

LTE Test Data

General Description of EUT	
Product Name:	2.5K 4G 24/7 Recording Pan & Tilt Camera
Test Model:	CM-PT2U
Sample ID:	HC-C-202409-0282-01-01#
Environmental Conditions	
Temperature:	22.0℃-25℃
Relative Humidity:	43%-55%
Test Voltage:	DC 5V
Test Engineer:	Zkn Zhou
Note: For a more detailed features description, please refer to the report TBR-C-202409-0282-11 The report only show the worst case data.	

Contents

LTE Test Data 1

1: Conducted Output Power Data..... 3

 Test Result 3

2: Peak-to-Average Ratio(CCDF)..... 7

 Test Result 7

 Test Graphs..... 9

3: 26dB Bandwidth and Occupied Bandwidth 17

 Test Result 17

 Test Graphs..... 18

4: Band Edge 22

 Test Result 22

 Test Graphs..... 24

5: Conducted Spurious Emission..... 32

 Test Result 32

 Test Graphs..... 40

6: Frequency Stability 98

 Test Result 98

1: Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	24.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	24.72	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	24.67	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	24.64	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	24.59	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	24.63	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.67	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	24.23	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.96	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.94	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.95	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.93	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.93	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.98	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	24.79	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	24.67	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	24.63	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	24.69	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	24.68	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	24.65	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	23.69	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.68	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.60	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.62	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	23.40	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	23.46	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	23.39	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.66	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.03	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.90	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.85	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	23.04	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	23.01	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.83	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.11	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.73	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.70	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.74	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	23.53	PASS

Band12	1.4MHz	16QAM	23173	3RB#1	23.51	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	23.49	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.62	PASS
Band12	3MHz	QPSK	23025	1RB#0	24.55	PASS
Band12	3MHz	QPSK	23025	1RB#8	24.79	PASS
Band12	3MHz	QPSK	23025	1RB#14	24.38	PASS
Band12	3MHz	QPSK	23025	8RB#0	23.67	PASS
Band12	3MHz	QPSK	23025	8RB#4	23.72	PASS
Band12	3MHz	QPSK	23025	8RB#7	23.69	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.69	PASS
Band12	3MHz	QPSK	23095	1RB#0	24.24	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.87	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.84	PASS
Band12	3MHz	QPSK	23095	8RB#0	23.07	PASS
Band12	3MHz	QPSK	23095	8RB#4	23.00	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.83	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.89	PASS
Band12	3MHz	QPSK	23165	1RB#0	24.46	PASS
Band12	3MHz	QPSK	23165	1RB#8	24.69	PASS
Band12	3MHz	QPSK	23165	1RB#14	24.45	PASS
Band12	3MHz	QPSK	23165	8RB#0	23.57	PASS
Band12	3MHz	QPSK	23165	8RB#4	23.49	PASS
Band12	3MHz	QPSK	23165	8RB#7	23.59	PASS
Band12	3MHz	QPSK	23165	15RB#0	23.55	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.76	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.92	PASS
Band12	3MHz	16QAM	23025	1RB#14	23.65	PASS
Band12	3MHz	16QAM	23025	8RB#0	22.76	PASS
Band12	3MHz	16QAM	23025	8RB#4	22.77	PASS
Band12	3MHz	16QAM	23025	8RB#7	22.89	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.64	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.99	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.67	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.79	PASS
Band12	3MHz	16QAM	23095	8RB#0	22.18	PASS
Band12	3MHz	16QAM	23095	8RB#4	22.20	PASS
Band12	3MHz	16QAM	23095	8RB#7	22.02	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.10	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.26	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.56	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.46	PASS
Band12	3MHz	16QAM	23165	8RB#0	22.56	PASS
Band12	3MHz	16QAM	23165	8RB#4	22.57	PASS
Band12	3MHz	16QAM	23165	8RB#7	22.68	PASS

Band12	3MHz	16QAM	23165	15RB#0	22.54	PASS
Band12	5MHz	QPSK	23035	1RB#0	25.01	PASS
Band12	5MHz	QPSK	23035	1RB#12	24.80	PASS
Band12	5MHz	QPSK	23035	1RB#24	24.51	PASS
Band12	5MHz	QPSK	23035	12RB#0	23.81	PASS
Band12	5MHz	QPSK	23035	12RB#6	23.86	PASS
Band12	5MHz	QPSK	23035	12RB#13	23.60	PASS
Band12	5MHz	QPSK	23035	25RB#0	23.75	PASS
Band12	5MHz	QPSK	23095	1RB#0	24.56	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.93	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.61	PASS
Band12	5MHz	QPSK	23095	12RB#0	23.30	PASS
Band12	5MHz	QPSK	23095	12RB#6	23.35	PASS
Band12	5MHz	QPSK	23095	12RB#13	23.19	PASS
Band12	5MHz	QPSK	23095	25RB#0	23.29	PASS
Band12	5MHz	QPSK	23155	1RB#0	24.71	PASS
Band12	5MHz	QPSK	23155	1RB#12	24.66	PASS
Band12	5MHz	QPSK	23155	1RB#24	24.91	PASS
Band12	5MHz	QPSK	23155	12RB#0	23.50	PASS
Band12	5MHz	QPSK	23155	12RB#6	23.53	PASS
Band12	5MHz	QPSK	23155	12RB#13	23.86	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.71	PASS
Band12	5MHz	16QAM	23035	1RB#0	23.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	23.50	PASS
Band12	5MHz	16QAM	23035	1RB#24	23.31	PASS
Band12	5MHz	16QAM	23035	12RB#0	22.95	PASS
Band12	5MHz	16QAM	23035	12RB#6	22.96	PASS
Band12	5MHz	16QAM	23035	12RB#13	22.72	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.73	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.73	PASS
Band12	5MHz	16QAM	23095	1RB#12	23.20	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.73	PASS
Band12	5MHz	16QAM	23095	12RB#0	22.54	PASS
Band12	5MHz	16QAM	23095	12RB#6	22.54	PASS
Band12	5MHz	16QAM	23095	12RB#13	22.38	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.34	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.36	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.68	PASS
Band12	5MHz	16QAM	23155	1RB#24	23.94	PASS
Band12	5MHz	16QAM	23155	12RB#0	22.63	PASS
Band12	5MHz	16QAM	23155	12RB#6	22.64	PASS
Band12	5MHz	16QAM	23155	12RB#13	22.97	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.81	PASS
Band12	10MHz	QPSK	23060	1RB#0	25.12	PASS

Band12	10MHz	QPSK	23060	1RB#24	24.49	PASS
Band12	10MHz	QPSK	23060	1RB#49	24.17	PASS
Band12	10MHz	QPSK	23060	25RB#0	24.02	PASS
Band12	10MHz	QPSK	23060	25RB#12	24.08	PASS
Band12	10MHz	QPSK	23060	25RB#25	23.30	PASS
Band12	10MHz	QPSK	23060	50RB#0	23.59	PASS
Band12	10MHz	QPSK	23095	1RB#0	24.96	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.98	PASS
Band12	10MHz	QPSK	23095	1RB#49	25.06	PASS
Band12	10MHz	QPSK	23095	25RB#0	23.45	PASS
Band12	10MHz	QPSK	23095	25RB#12	23.49	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.41	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.62	PASS
Band12	10MHz	QPSK	23130	1RB#0	24.35	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.37	PASS
Band12	10MHz	QPSK	23130	1RB#49	25.08	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.99	PASS
Band12	10MHz	QPSK	23130	25RB#12	23.06	PASS
Band12	10MHz	QPSK	23130	25RB#25	23.87	PASS
Band12	10MHz	QPSK	23130	50RB#0	23.53	PASS
Band12	10MHz	16QAM	23060	1RB#0	24.44	PASS
Band12	10MHz	16QAM	23060	1RB#24	23.67	PASS
Band12	10MHz	16QAM	23060	1RB#49	23.47	PASS
Band12	10MHz	16QAM	23060	25RB#0	23.09	PASS
Band12	10MHz	16QAM	23060	25RB#12	23.10	PASS
Band12	10MHz	16QAM	23060	25RB#25	22.34	PASS
Band12	10MHz	16QAM	23095	1RB#0	23.91	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.75	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.85	PASS
Band12	10MHz	16QAM	23095	25RB#0	22.51	PASS
Band12	10MHz	16QAM	23095	25RB#12	22.52	PASS
Band12	10MHz	16QAM	23095	25RB#25	22.47	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.20	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.32	PASS
Band12	10MHz	16QAM	23130	1RB#49	24.08	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.94	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.95	PASS
Band12	10MHz	16QAM	23130	25RB#25	22.79	PASS

2: Peak-to-Average Ratio(CCDF)

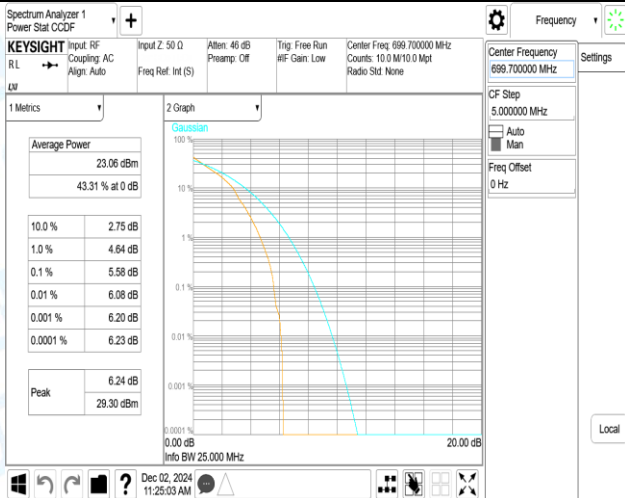
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	5.58	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.92	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.99	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	6.32	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	5.07	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.44	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	6.47	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.53	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	6.88	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.85	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	6.01	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.14	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.63	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.78	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	6.04	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	6.20	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	5.66	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.55	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	6.55	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.45	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	6.75	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.83	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	6.35	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.31	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.37	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.88	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.62	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	6.33	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	5.77	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.87	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	6.19	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.42	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	6.41	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.83	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	6.51	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.44	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	5.27	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.75	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.12	13	PASS

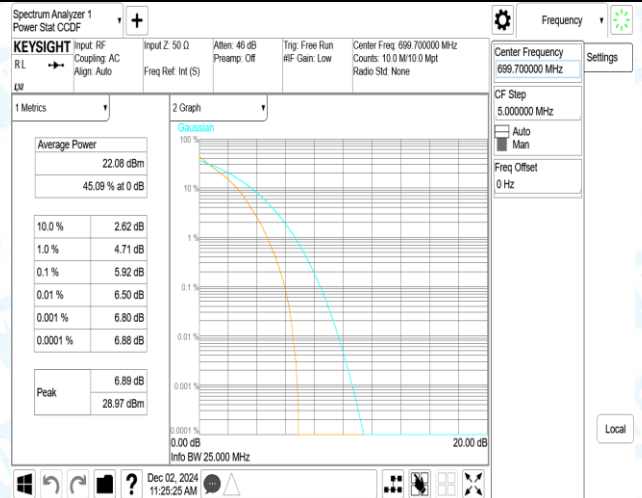
Band12	10MHz	QPSK	23095	50RB#0	5.91	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	5.74	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.91	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	6.05	13	PASS
Band12	10MHz	16QAM	23060	27RB#0	6.27	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.86	13	PASS
Band12	10MHz	16QAM	23095	27RB#0	6.43	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	6.35	13	PASS
Band12	10MHz	16QAM	23130	27RB#0	6.60	13	PASS

Test Graphs

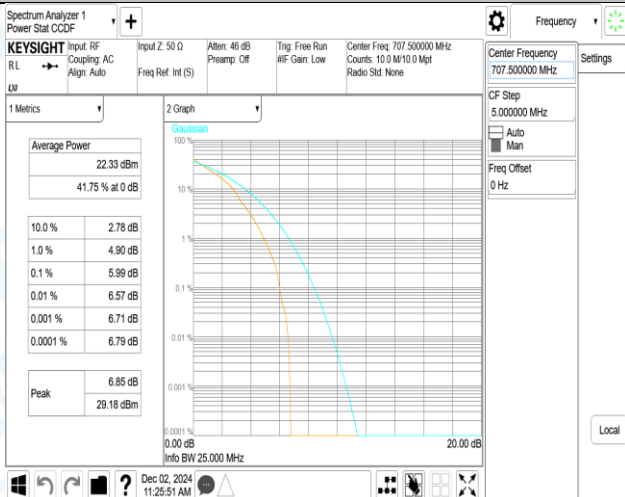
Band12-1.4MHz-QPSK-23017-1RB#0-PASS



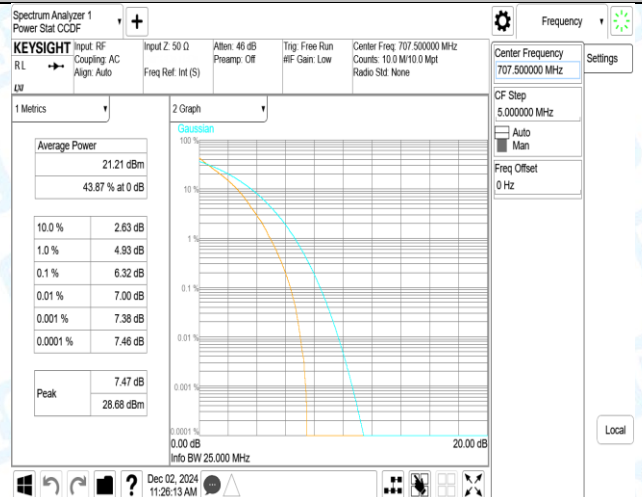
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



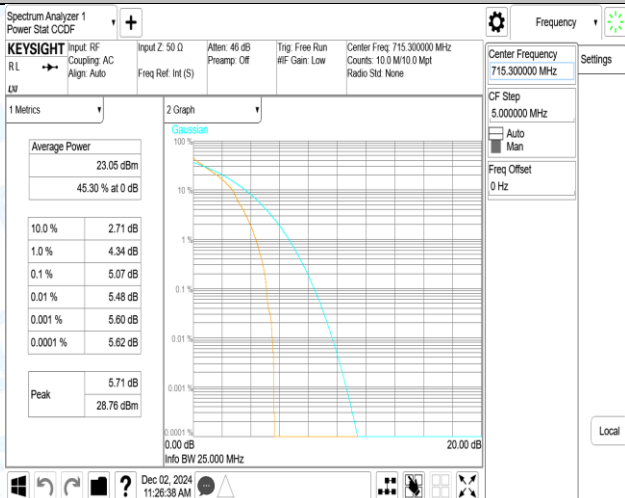
Band12-1.4MHz-QPSK-23095-1RB#0-PASS



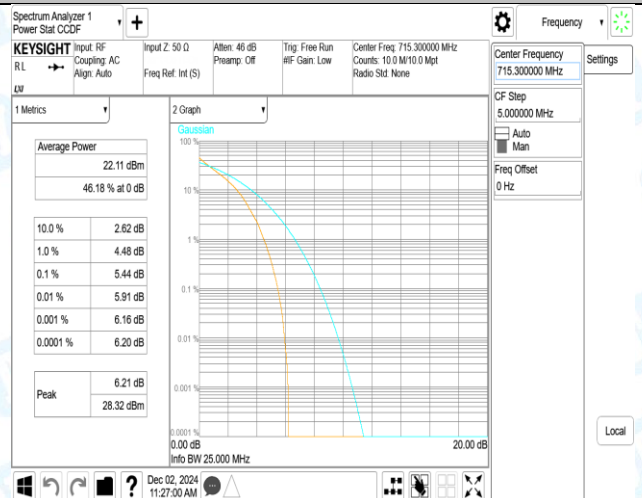
Band12-1.4MHz-QPSK-23095-6RB#0-PASS



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

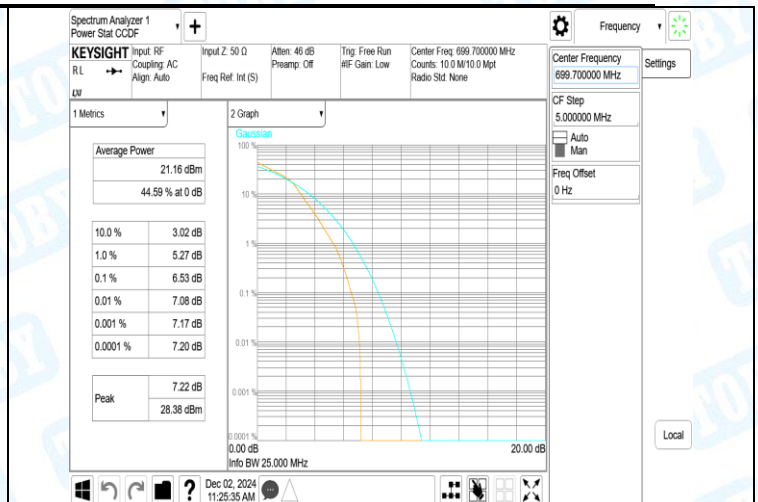


Band12-1.4MHz-QPSK-23173-6RB#0-PASS

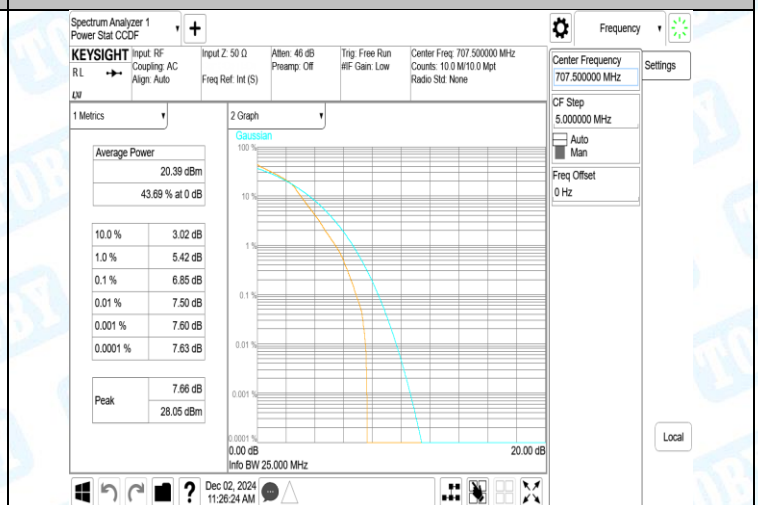


Band12-1.4MHz-16QAM-23017-1RB#0-PASS

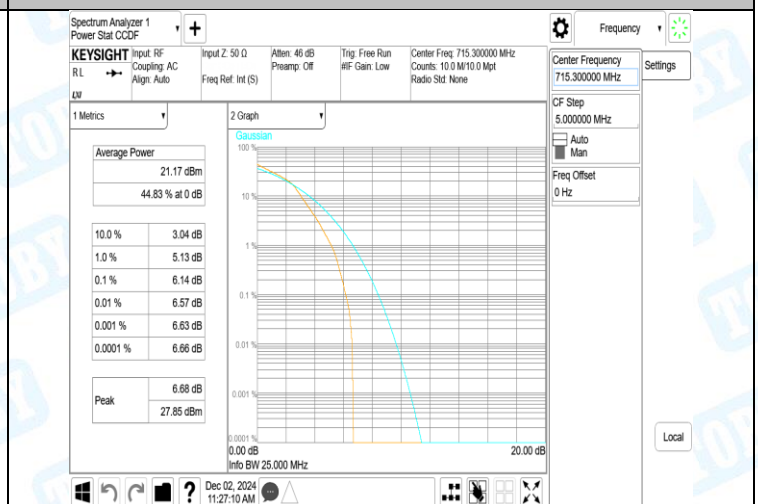
Band12-1.4MHz-16QAM-23017-6RB#0-PASS



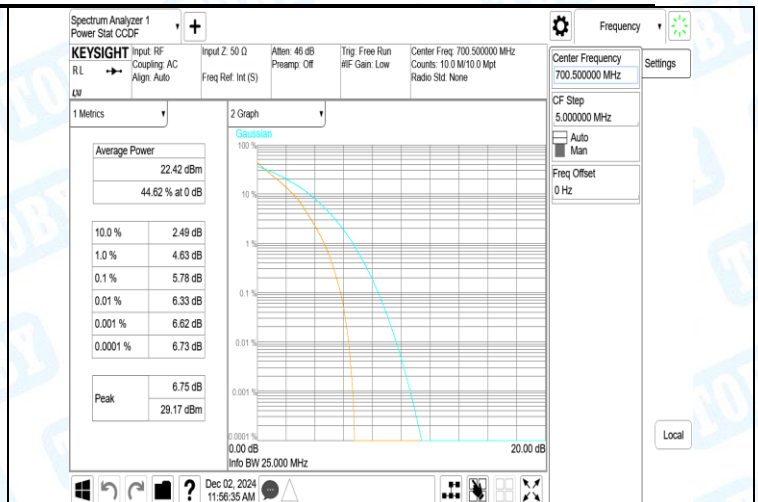
Band12-1.4MHz-16QAM-23095-6RB#0-PASS



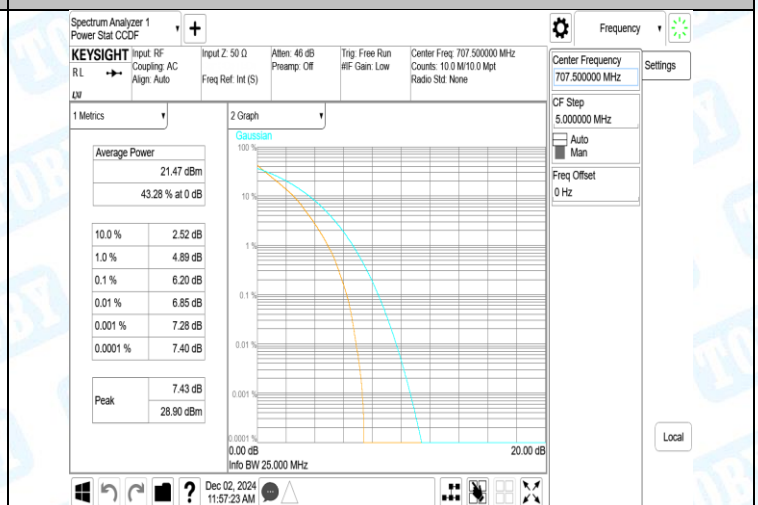
Band12-1.4MHz-16QAM-23173-6RB#0-PASS



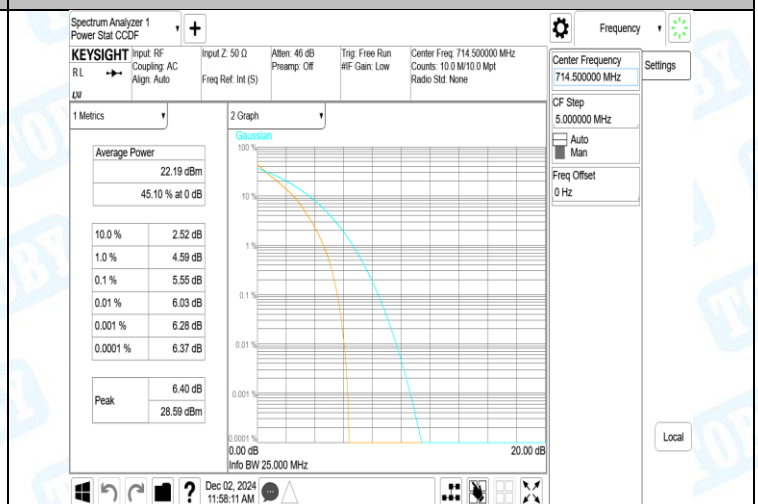
Band12-3MHz-QPSK-23025-15RB#0-PASS



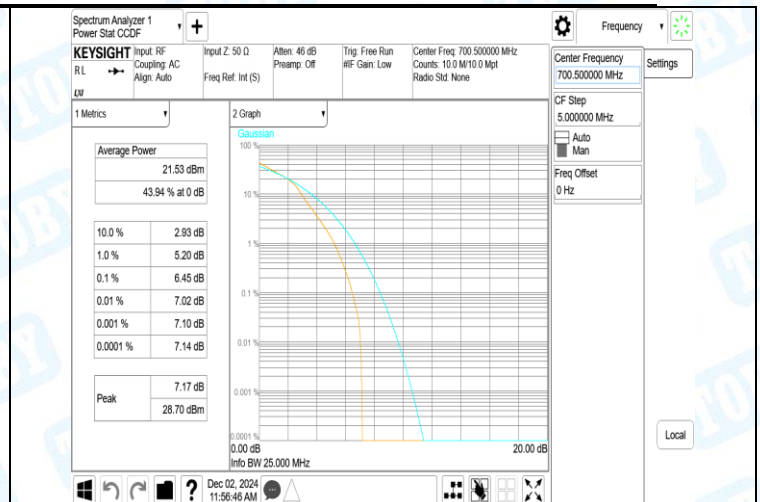
Band12-3MHz-QPSK-23095-15RB#0-PASS



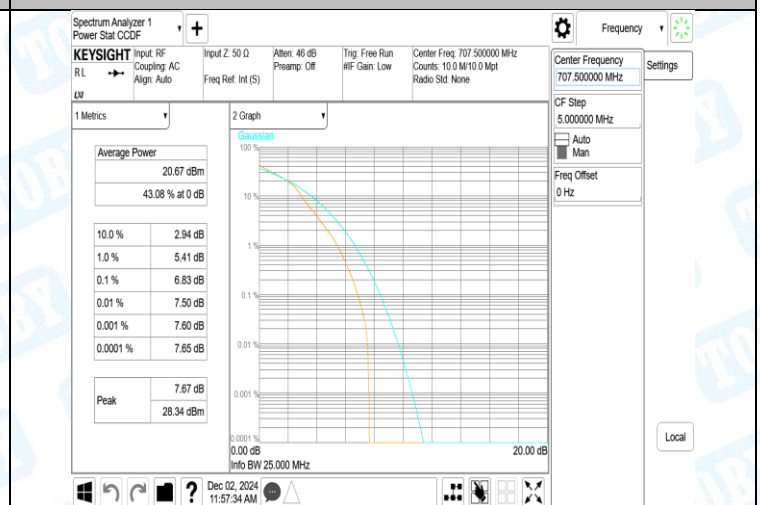
Band12-3MHz-QPSK-23165-15RB#0-PASS



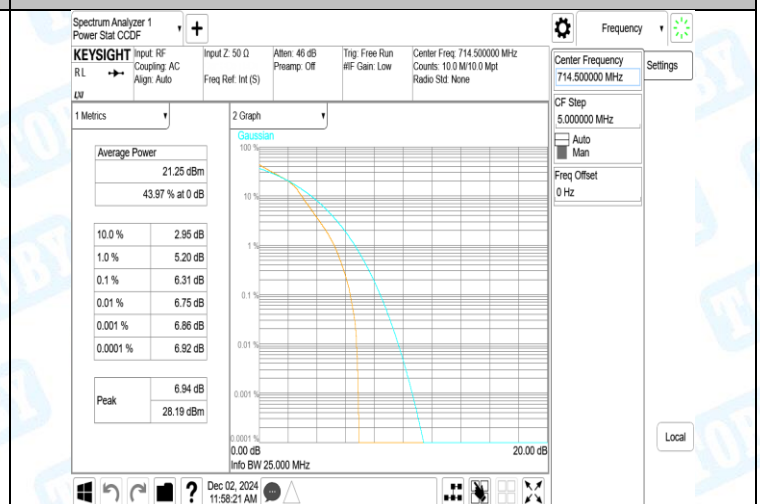
Band12-3MHz-16QAM-23025-15RB#0-PASS



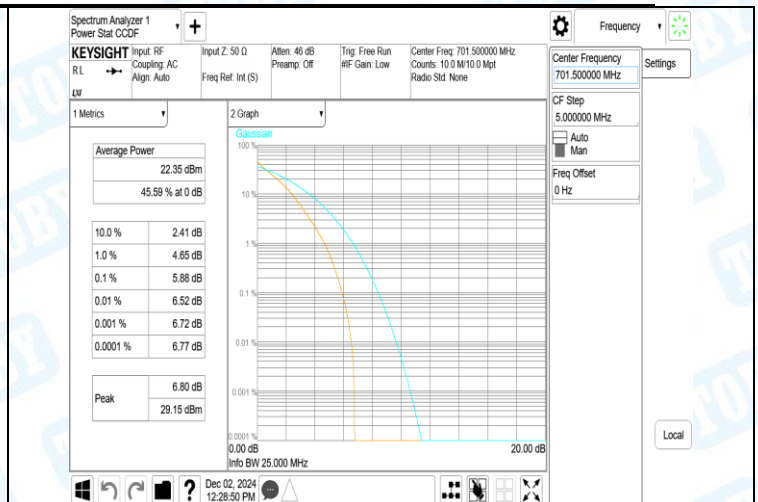
Band12-3MHz-16QAM-23095-15RB#0-PASS



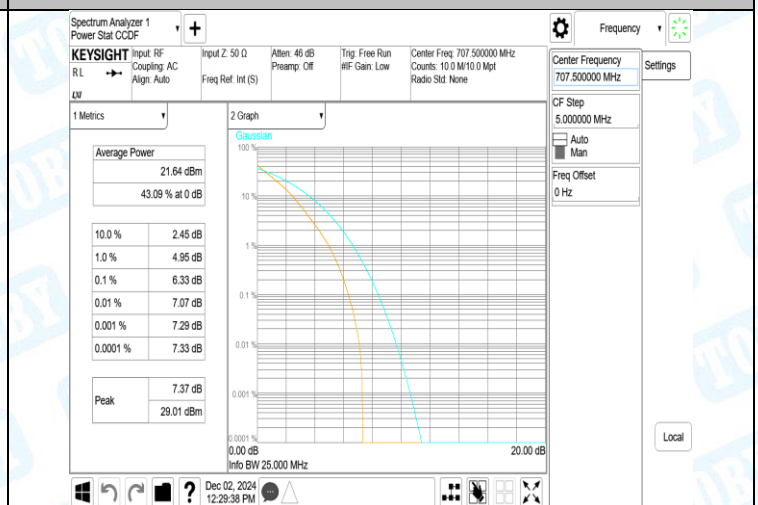
Band12-3MHz-16QAM-23165-15RB#0-PASS



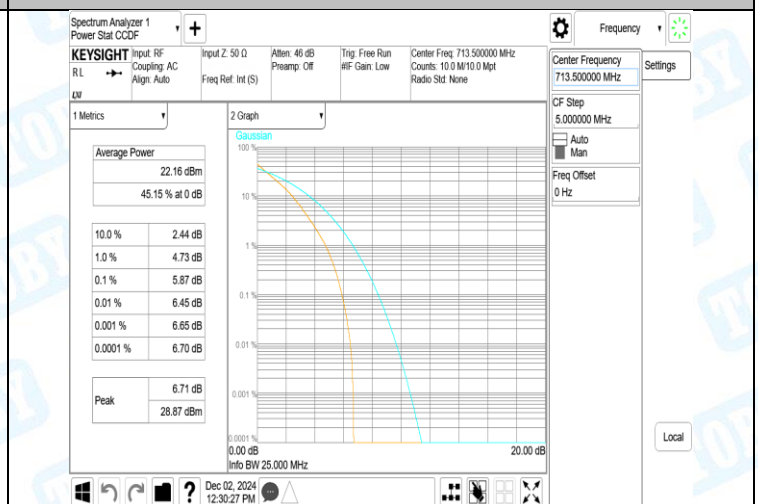
Band12-5MHz-QPSK-23035-25RB#0-PASS



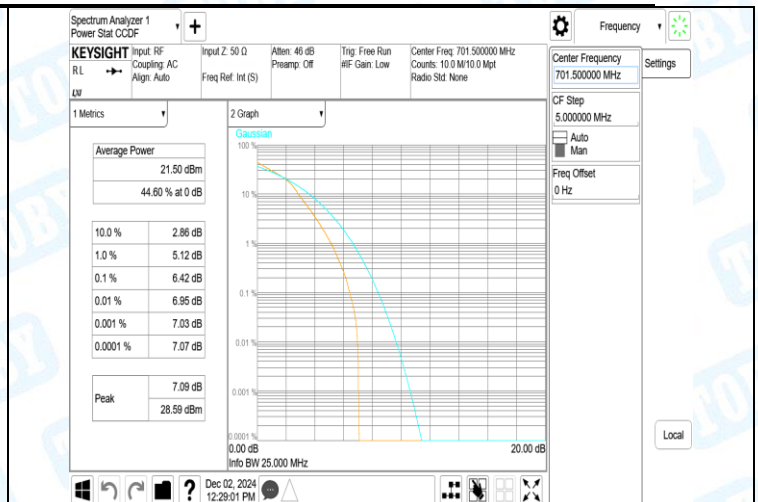
Band12-5MHz-QPSK-23095-25RB#0-PASS



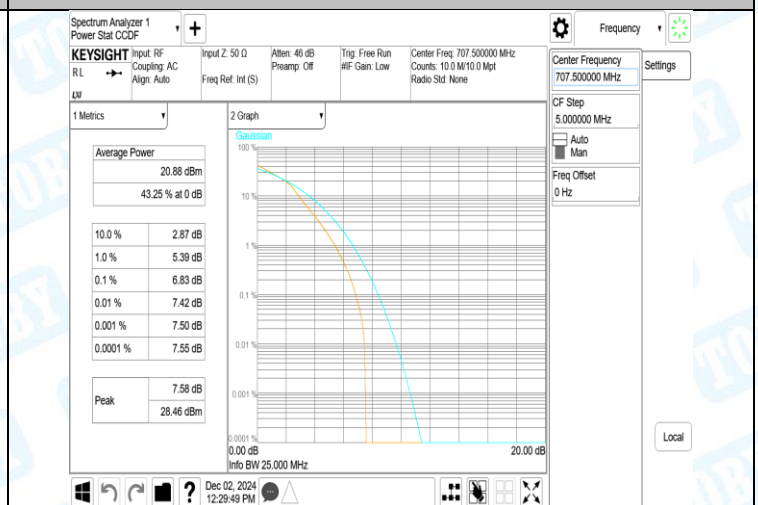
Band12-5MHz-QPSK-23155-25RB#0-PASS



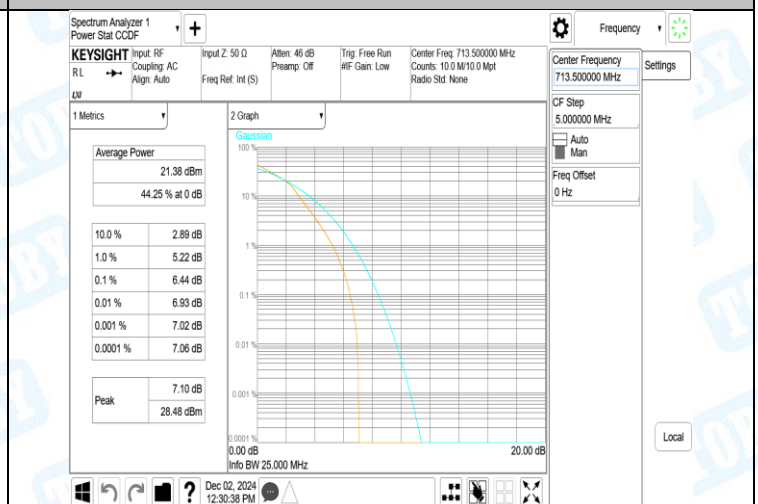
Band12-5MHz-16QAM-23035-25RB#0-PASS



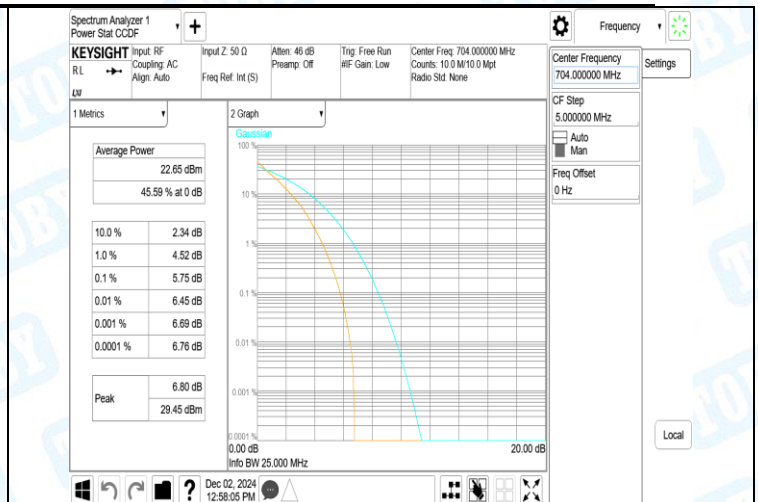
Band12-5MHz-16QAM-23095-25RB#0-PASS



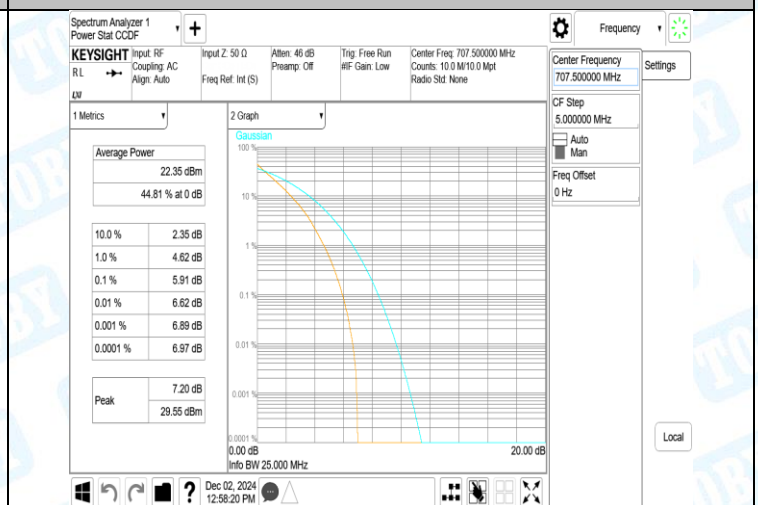
Band12-5MHz-16QAM-23155-25RB#0-PASS



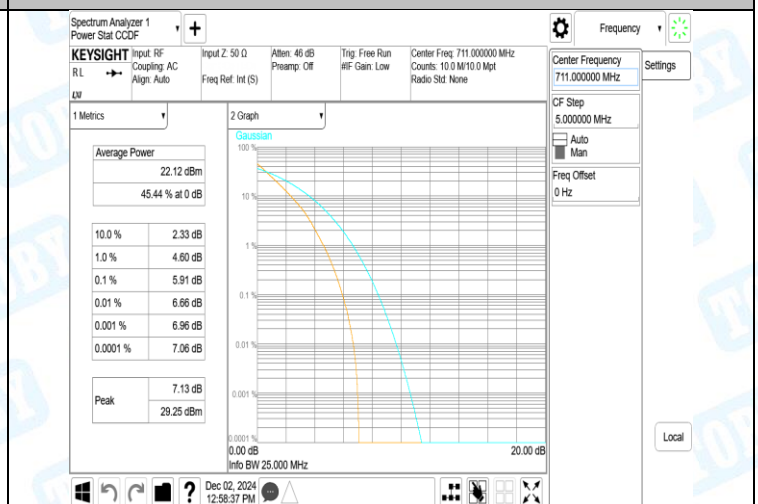
Band12-10MHz-QPSK-23060-50RB#0-PASS



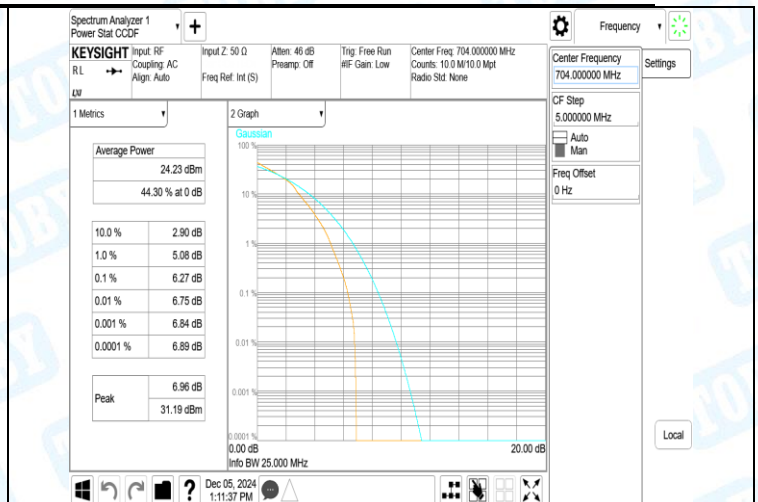
Band12-10MHz-QPSK-23095-50RB#0-PASS



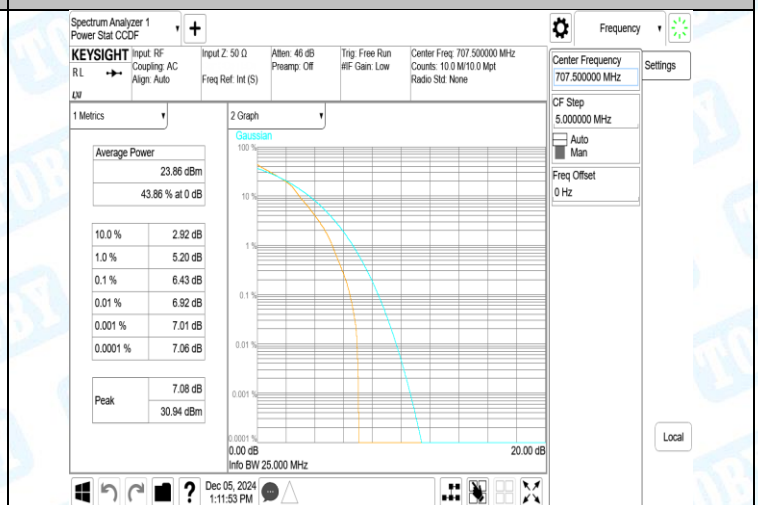
Band12-10MHz-QPSK-23130-50RB#0-PASS



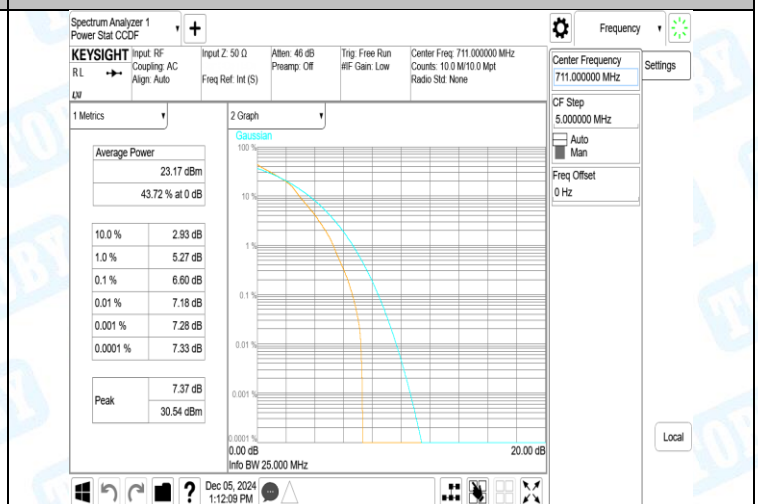
Band12-10MHz-16QAM-23060-27RB#0-PASS



Band12-10MHz-16QAM-23095-27RB#0-PASS



Band12-10MHz-16QAM-23130-27RB#0-PASS



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	1.0967	1.329	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0962	1.325	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0961	1.332	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0971	1.327	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0994	1.323	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0979	1.324	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7076	3.162	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7093	3.143	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7089	3.159	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7144	3.120	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7108	3.135	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7107	3.117	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5365	5.558	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5486	5.631	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5457	5.603	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5428	5.634	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5500	5.648	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5409	5.644	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0239	10.62	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0494	10.87	PASS
Band12	10MHz	QPSK	23130	50RB#0	9.0226	10.71	PASS
Band12	10MHz	16QAM	23060	27RB#0	5.0558	6.515	PASS
Band12	10MHz	16QAM	23095	27RB#0	5.0750	6.657	PASS
Band12	10MHz	16QAM	23130	27RB#0	5.0565	6.676	PASS

Test Graphs



