

LTE Test Data

General Description of EUT	
Product Name:	Acerone Liquid S272E4
Test Model:	Acerone Liquid S272E4
Sample ID:	HC-C-202410-0214-01-01#
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 3.87V
Test Engineer:	Zkn Zhou
Note: For a more detailed features description, please refer to the report TBR-C-202410-0214-26 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..... 35

6: Frequency Stability 55

 Test Result 55

1: Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	24.88	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	24.93	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	24.88	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	24.93	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	24.93	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	24.92	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	24.01	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	24.94	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	25.03	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	24.90	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	24.95	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	24.97	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	24.99	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.97	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	24.91	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	25.04	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	24.92	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	25.04	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	25.04	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	25.03	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	24.09	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.87	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.98	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.82	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	23.77	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	23.78	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	23.73	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.99	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.85	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.99	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.79	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	23.86	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	23.87	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	23.88	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.78	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.75	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.93	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.70	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	23.85	PASS

Band5	1.4MHz	16QAM	20643	3RB#1	23.87	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	23.80	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	23.01	PASS
Band5	3MHz	QPSK	20415	1RB#0	24.94	PASS
Band5	3MHz	QPSK	20415	1RB#8	24.96	PASS
Band5	3MHz	QPSK	20415	1RB#14	24.91	PASS
Band5	3MHz	QPSK	20415	8RB#0	24.00	PASS
Band5	3MHz	QPSK	20415	8RB#4	23.99	PASS
Band5	3MHz	QPSK	20415	8RB#7	24.00	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.95	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.93	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.95	PASS
Band5	3MHz	QPSK	20525	1RB#14	25.00	PASS
Band5	3MHz	QPSK	20525	8RB#0	23.99	PASS
Band5	3MHz	QPSK	20525	8RB#4	24.01	PASS
Band5	3MHz	QPSK	20525	8RB#7	23.96	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.97	PASS
Band5	3MHz	QPSK	20635	1RB#0	25.05	PASS
Band5	3MHz	QPSK	20635	1RB#8	24.96	PASS
Band5	3MHz	QPSK	20635	1RB#14	24.98	PASS
Band5	3MHz	QPSK	20635	8RB#0	24.11	PASS
Band5	3MHz	QPSK	20635	8RB#4	24.11	PASS
Band5	3MHz	QPSK	20635	8RB#7	24.12	PASS
Band5	3MHz	QPSK	20635	15RB#0	24.06	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.99	PASS
Band5	3MHz	16QAM	20415	1RB#8	24.00	PASS
Band5	3MHz	16QAM	20415	1RB#14	24.01	PASS
Band5	3MHz	16QAM	20415	8RB#0	23.01	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.98	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.98	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.95	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.89	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.86	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.83	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.98	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.94	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.95	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.89	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.81	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.83	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.84	PASS
Band5	3MHz	16QAM	20635	8RB#0	23.07	PASS
Band5	3MHz	16QAM	20635	8RB#4	23.10	PASS
Band5	3MHz	16QAM	20635	8RB#7	23.04	PASS

Band5	3MHz	16QAM	20635	15RB#0	22.95	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.36	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.52	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.36	PASS
Band5	5MHz	QPSK	20425	12RB#0	23.42	PASS
Band5	5MHz	QPSK	20425	12RB#6	23.43	PASS
Band5	5MHz	QPSK	20425	12RB#13	23.51	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.53	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.90	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.91	PASS
Band5	5MHz	QPSK	20525	1RB#24	24.40	PASS
Band5	5MHz	QPSK	20525	12RB#0	23.53	PASS
Band5	5MHz	QPSK	20525	12RB#6	23.47	PASS
Band5	5MHz	QPSK	20525	12RB#13	23.52	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.48	PASS
Band5	5MHz	QPSK	20625	1RB#0	24.49	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.56	PASS
Band5	5MHz	QPSK	20625	1RB#24	24.48	PASS
Band5	5MHz	QPSK	20625	12RB#0	23.62	PASS
Band5	5MHz	QPSK	20625	12RB#6	23.60	PASS
Band5	5MHz	QPSK	20625	12RB#13	23.63	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.61	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.38	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.49	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.41	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.47	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.42	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.46	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.51	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.47	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.84	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.53	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.55	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.52	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.49	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.47	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.50	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.39	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.52	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.54	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.61	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.64	PASS
Band5	10MHz	QPSK	20450	1RB#0	24.91	PASS

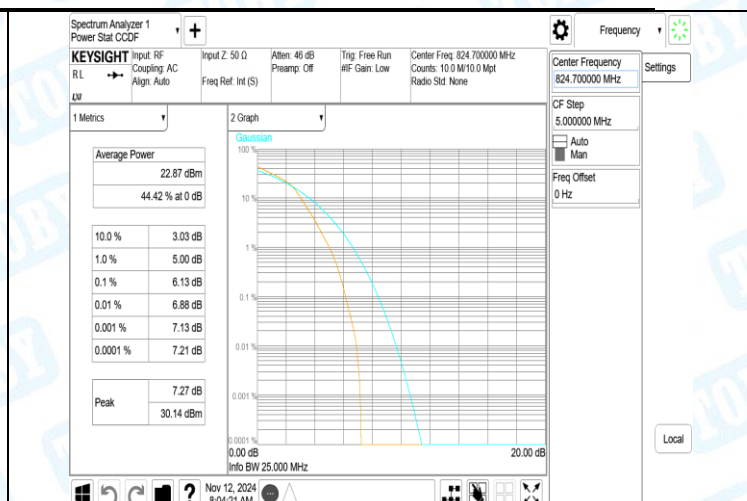
Band5	10MHz	QPSK	20450	1RB#24	25.02	PASS
Band5	10MHz	QPSK	20450	1RB#49	24.92	PASS
Band5	10MHz	QPSK	20450	25RB#0	24.01	PASS
Band5	10MHz	QPSK	20450	25RB#12	24.01	PASS
Band5	10MHz	QPSK	20450	25RB#25	24.02	PASS
Band5	10MHz	QPSK	20450	50RB#0	24.04	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.98	PASS
Band5	10MHz	QPSK	20525	1RB#24	25.12	PASS
Band5	10MHz	QPSK	20525	1RB#49	25.02	PASS
Band5	10MHz	QPSK	20525	25RB#0	24.05	PASS
Band5	10MHz	QPSK	20525	25RB#12	24.01	PASS
Band5	10MHz	QPSK	20525	25RB#25	24.08	PASS
Band5	10MHz	QPSK	20525	50RB#0	24.03	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.95	PASS
Band5	10MHz	QPSK	20600	1RB#24	25.14	PASS
Band5	10MHz	QPSK	20600	1RB#49	24.99	PASS
Band5	10MHz	QPSK	20600	25RB#0	24.28	PASS
Band5	10MHz	QPSK	20600	25RB#12	24.28	PASS
Band5	10MHz	QPSK	20600	25RB#25	24.16	PASS
Band5	10MHz	QPSK	20600	50RB#0	24.21	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.99	PASS
Band5	10MHz	16QAM	20450	1RB#24	24.20	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.98	PASS
Band5	10MHz	16QAM	20450	25RB#0	23.02	PASS
Band5	10MHz	16QAM	20450	25RB#12	22.98	PASS
Band5	10MHz	16QAM	20450	25RB#25	23.04	PASS
Band5	10MHz	16QAM	20450	50RB#0	23.04	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.88	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.99	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.97	PASS
Band5	10MHz	16QAM	20525	25RB#0	23.05	PASS
Band5	10MHz	16QAM	20525	25RB#12	23.06	PASS
Band5	10MHz	16QAM	20525	25RB#25	23.07	PASS
Band5	10MHz	16QAM	20525	50RB#0	23.03	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.80	PASS
Band5	10MHz	16QAM	20600	1RB#24	24.02	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.80	PASS
Band5	10MHz	16QAM	20600	25RB#0	23.30	PASS
Band5	10MHz	16QAM	20600	25RB#12	23.27	PASS
Band5	10MHz	16QAM	20600	25RB#25	23.15	PASS
Band5	10MHz	16QAM	20600	50RB#0	23.18	PASS

2: Peak-to-Average Ratio(CCDF)

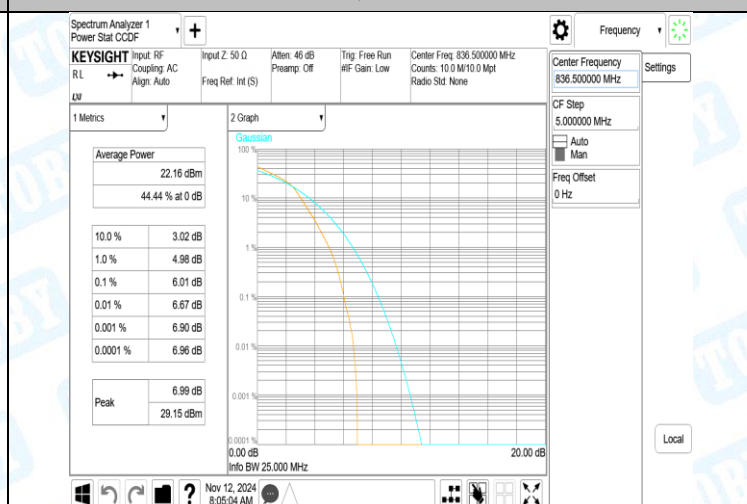
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.86	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.30	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.64	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.17	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.50	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.92	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.85	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.13	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.67	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.01	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.52	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.84	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.09	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.57	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.85	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.41	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	5.01	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.27	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.93	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.40	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.68	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.24	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.87	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.13	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.97	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.58	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.71	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.30	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	5.19	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.35	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.57	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.31	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.39	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.07	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.74	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.12	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.90	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.51	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.69	13	PASS

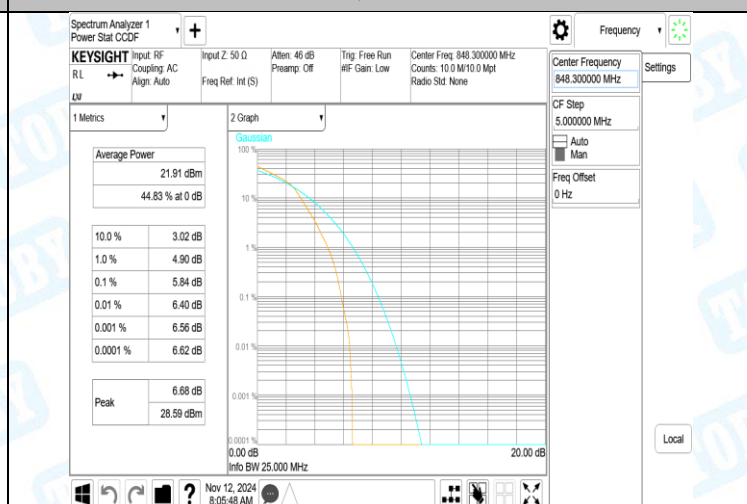
Band5	10MHz	QPSK	20525	50RB#0	5.35	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.95	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.53	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.77	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.27	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.50	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.17	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.77	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.30	13	PASS



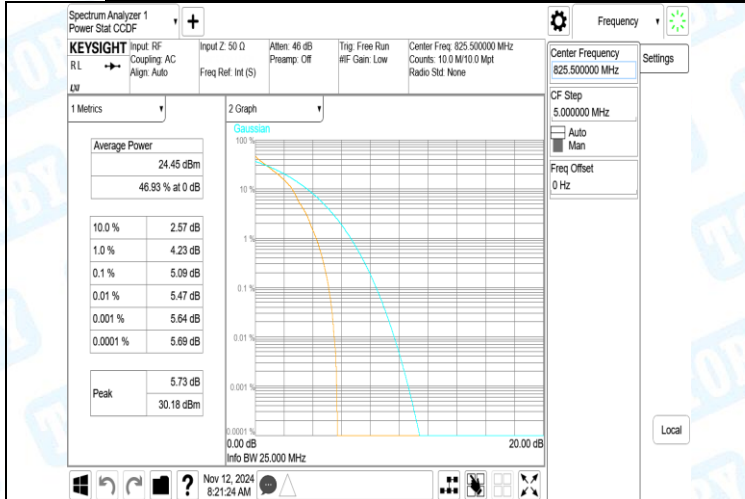
Band5-1.4MHz-16QAM-20525-6RB#0-PASS



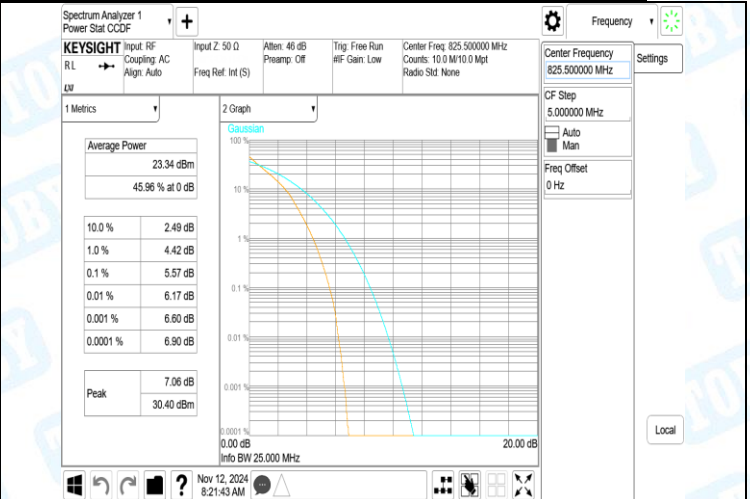
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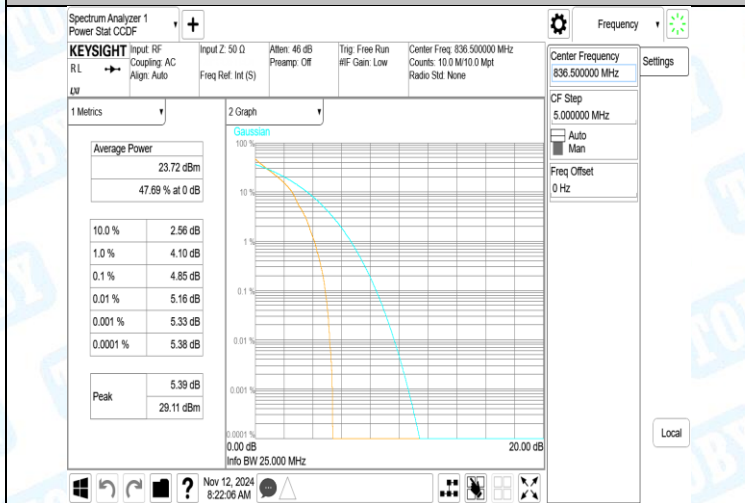
Band5-3MHz-QPSK-20415-15RB#0-PASS



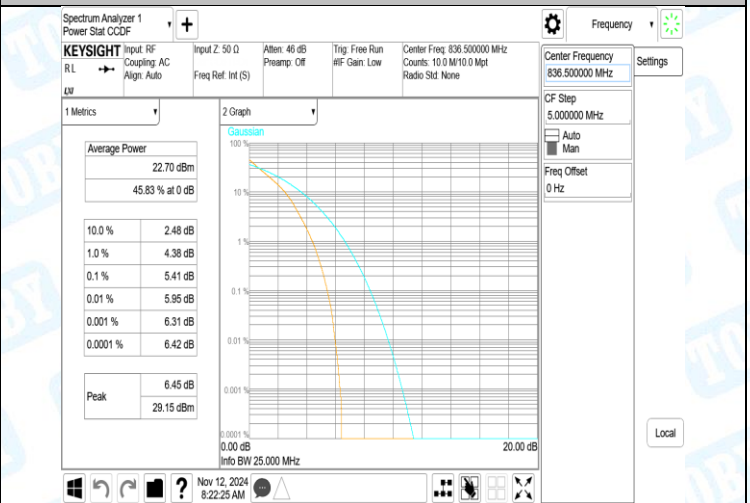
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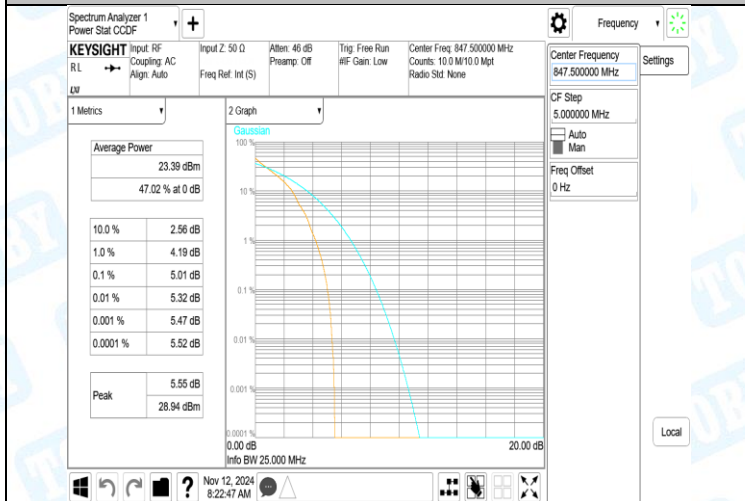
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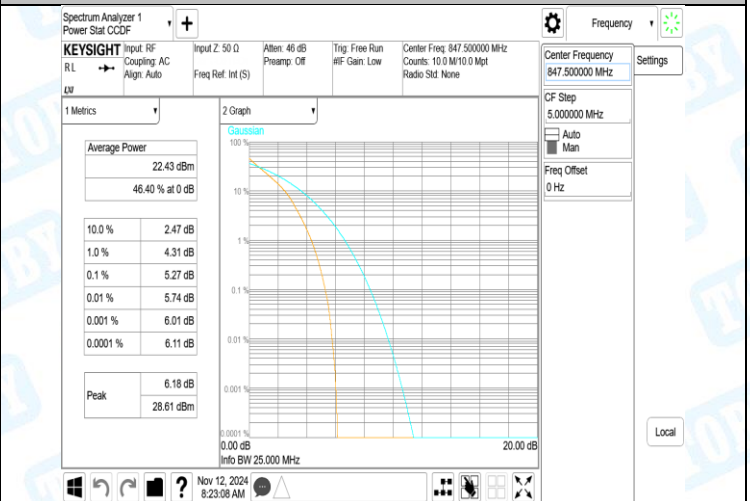
Band5-3MHz-QPSK-20635-1RB#0-PASS



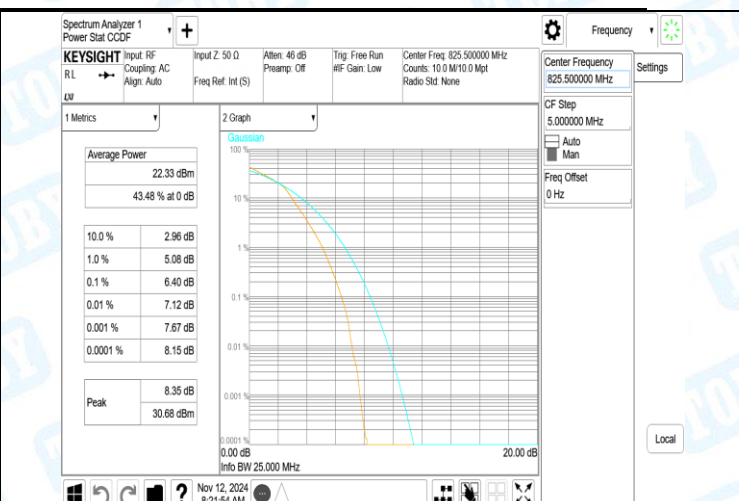
Band5-3MHz-QPSK-20635-15RB#0-PASS



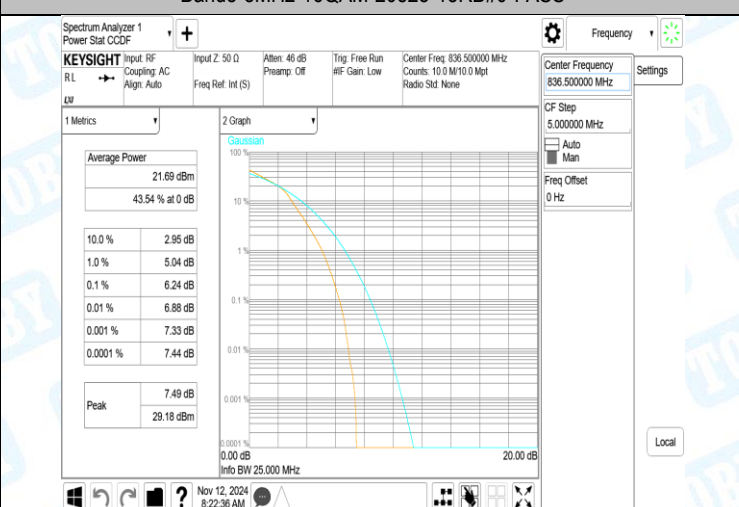
Band5-3MHz-16QAM-20415-1RB#0-PASS



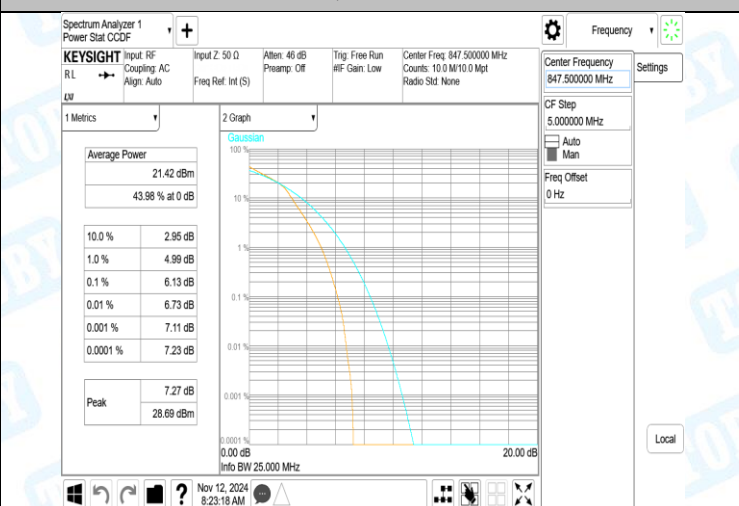
Band5-3MHz-16QAM-20415-15RB#0-PASS



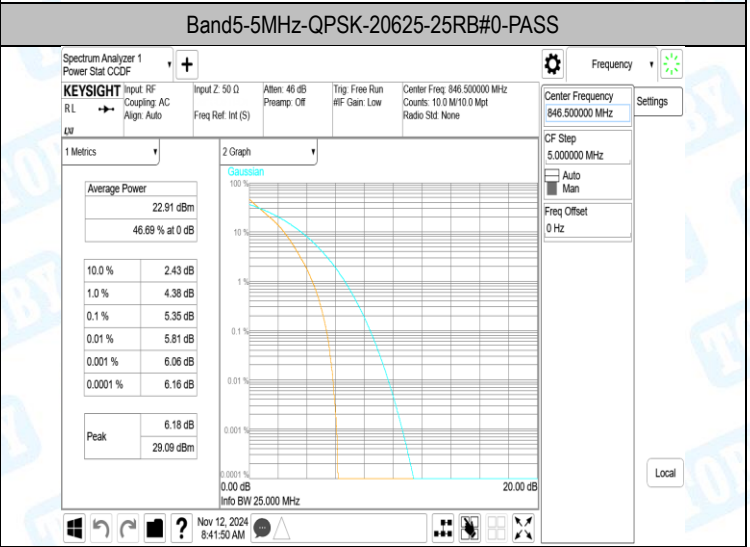
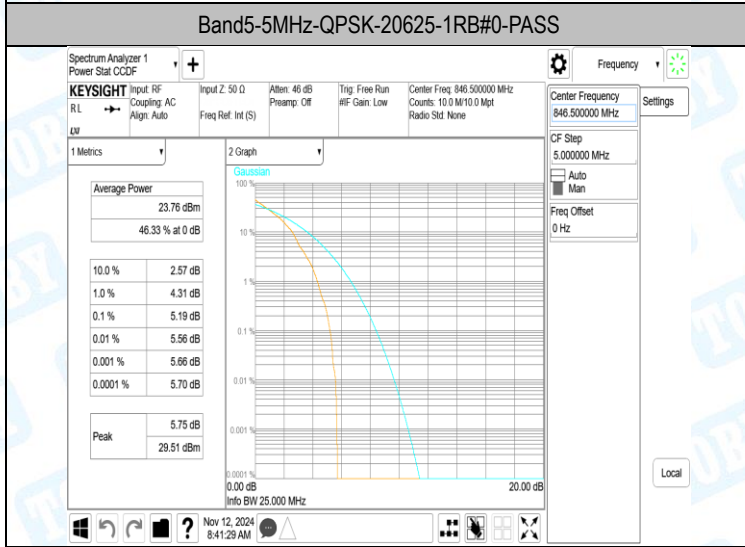
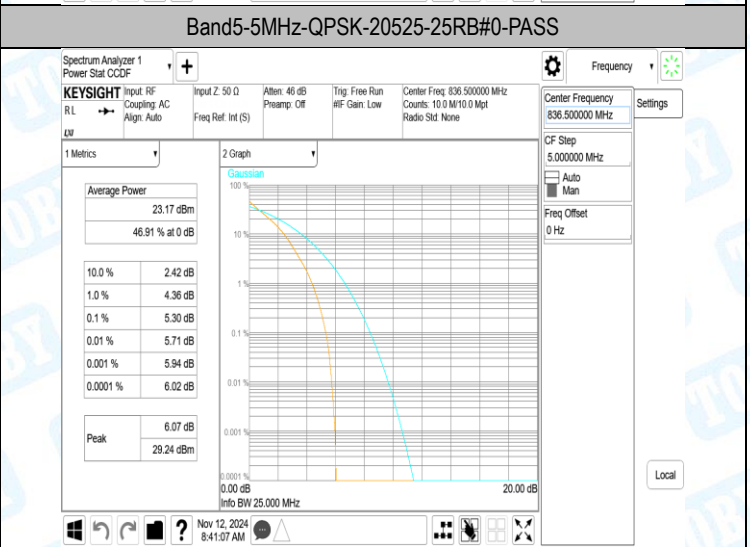
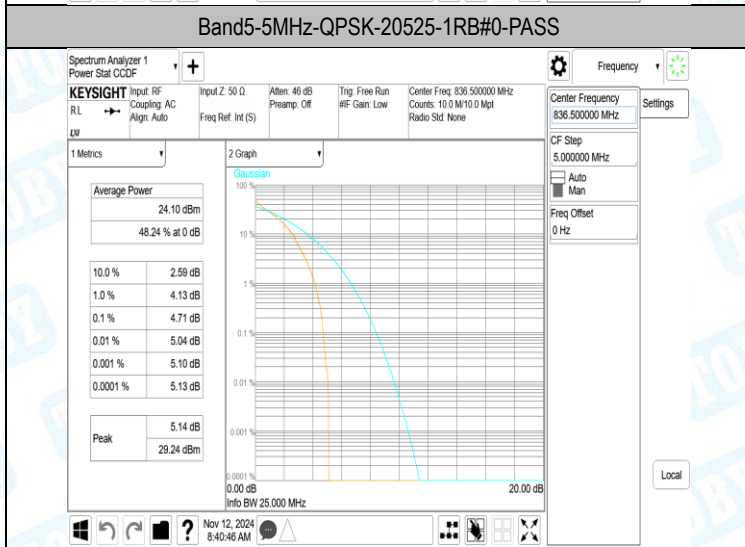
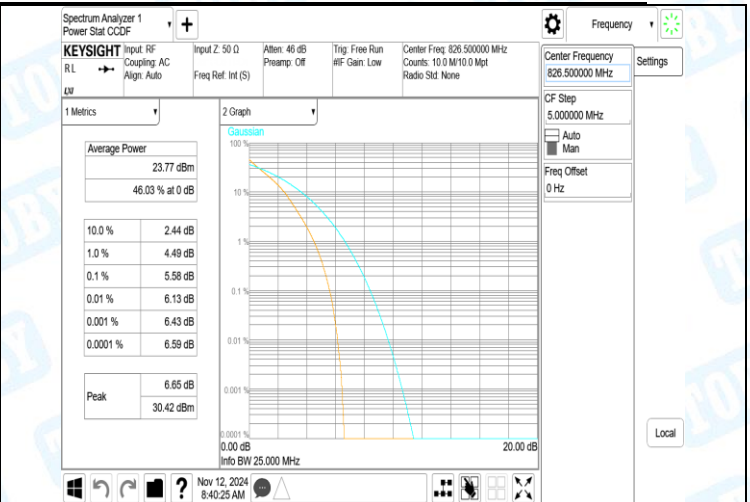
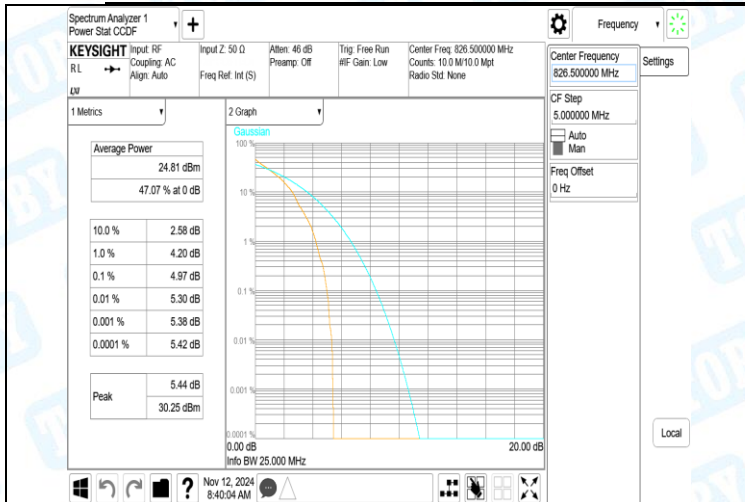
Band5-3MHz-16QAM-20525-15RB#0-PASS

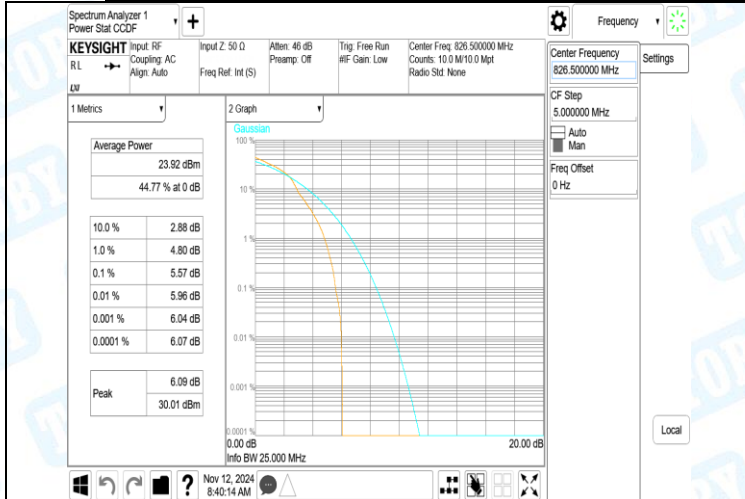


Band5-3MHz-16QAM-20635-15RB#0-PASS

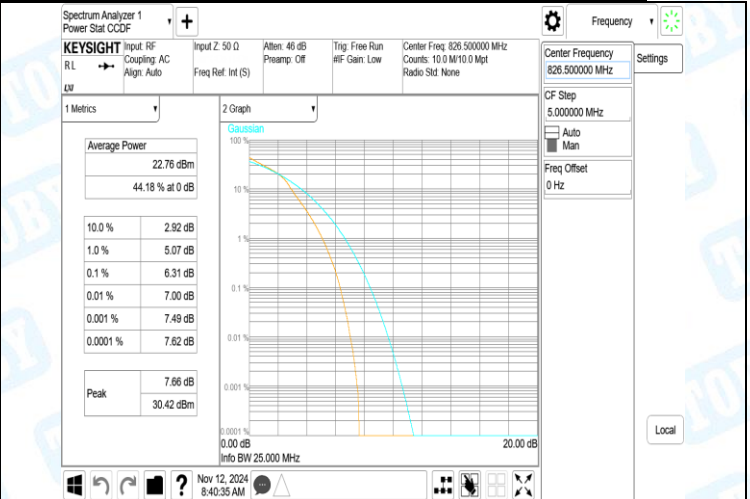


Band5-5MHz-QPSK-20425-25RB#0-PASS

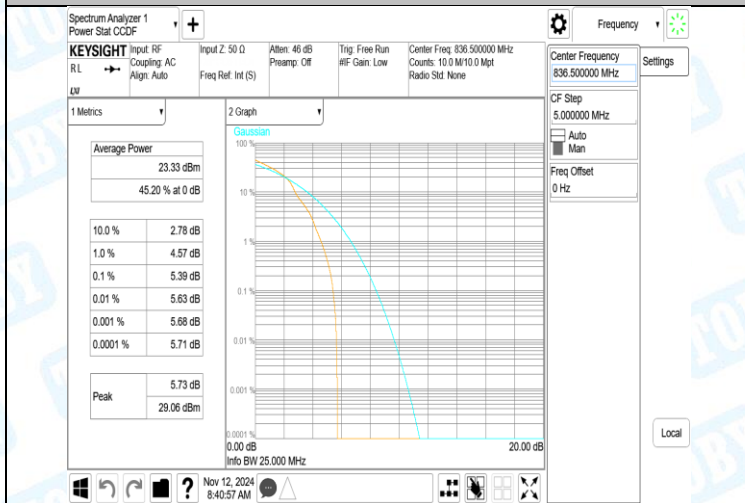




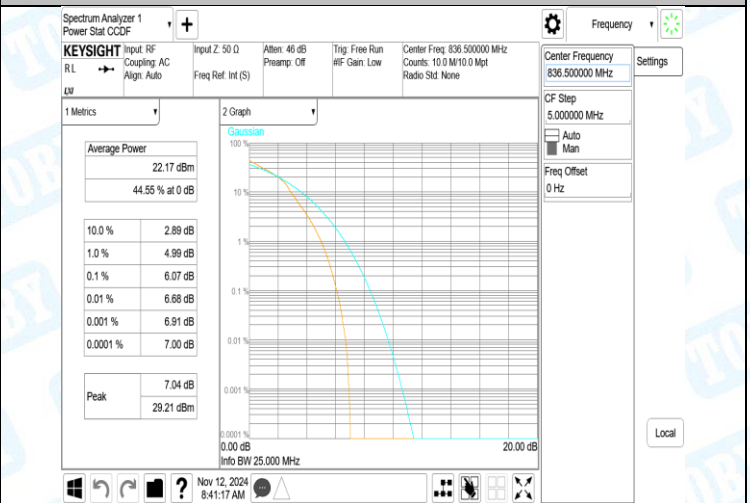
Band5-5MHz-16QAM-20525-1RB#0-PASS



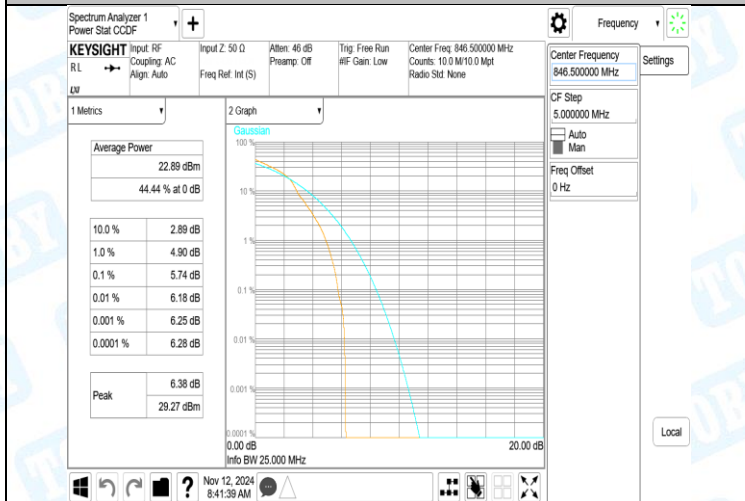
Band5-5MHz-16QAM-20525-25RB#0-PASS



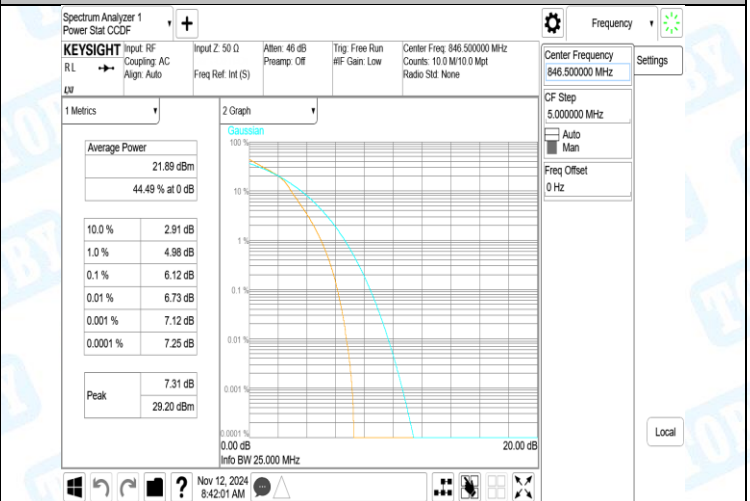
Band5-5MHz-16QAM-20625-1RB#0-PASS



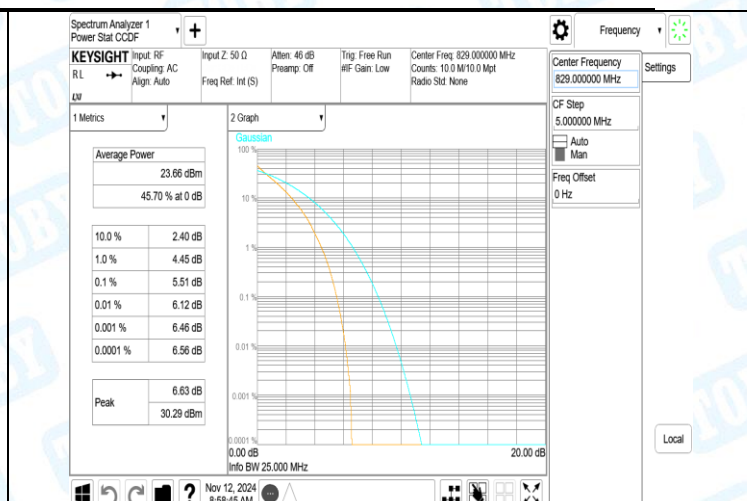
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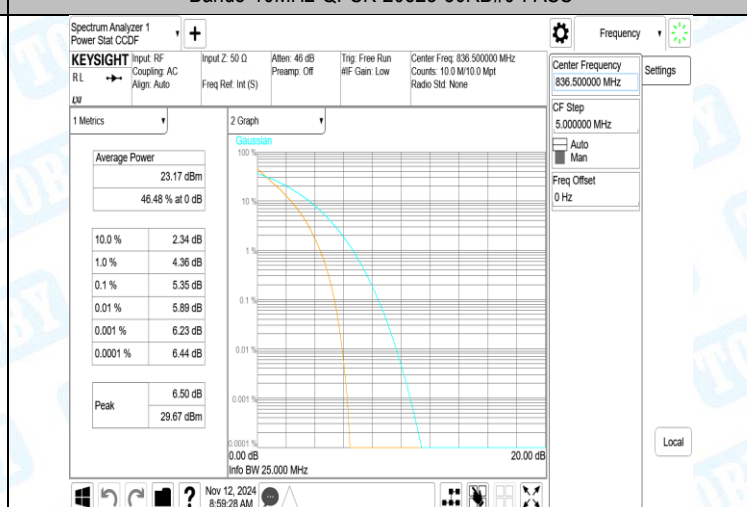
Band5-10MHz-QPSK-20450-1RB#0-PASS



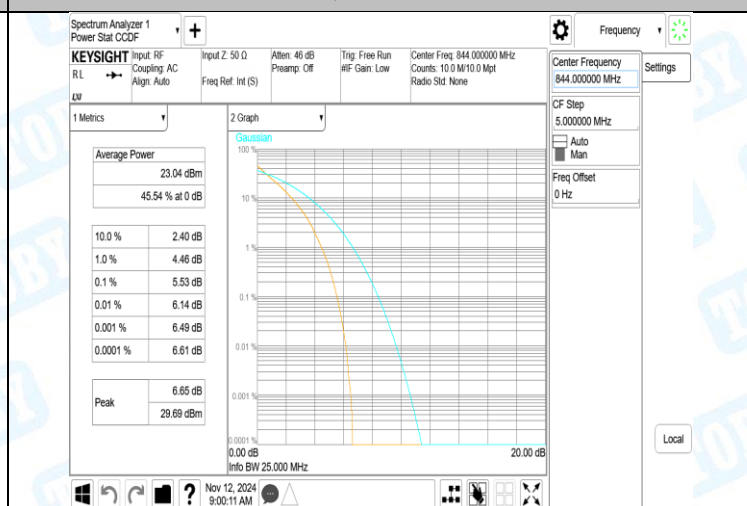
Band5-10MHz-QPSK-20450-50RB#0-PASS



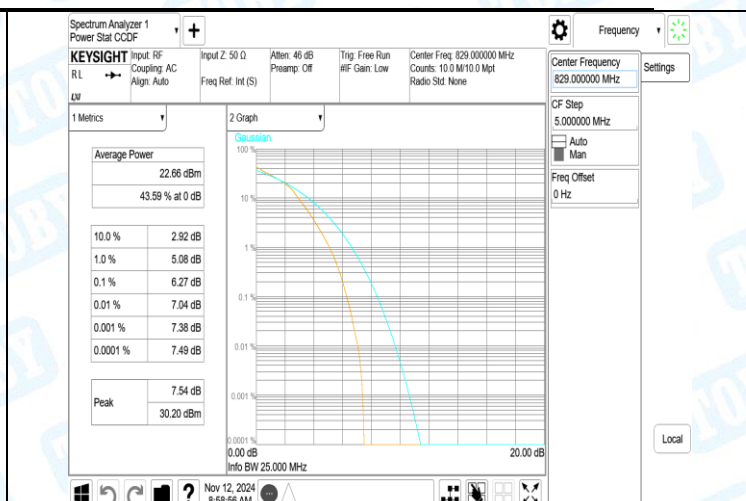
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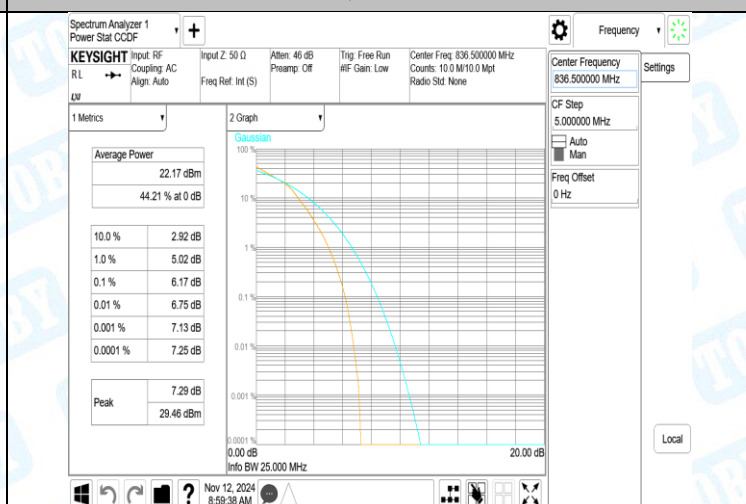
Band5-10MHz-QPSK-20600-50RB#0-PASS



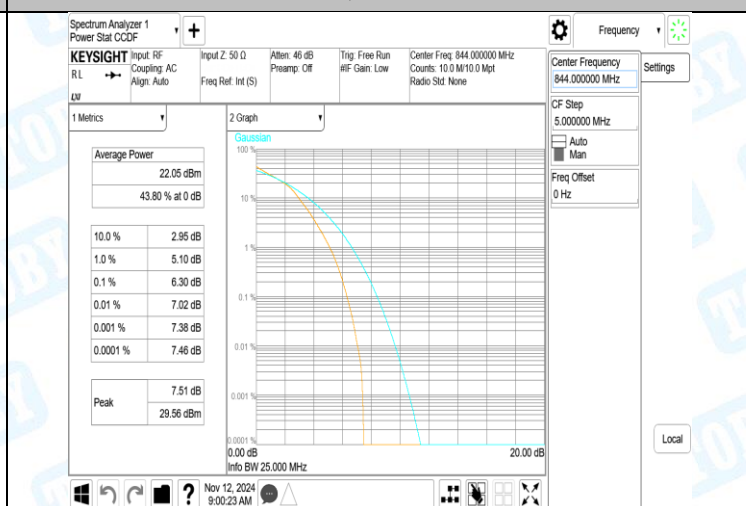
Band5-10MHz-16QAM-20450-50RB#0-PASS



Band5-10MHz-16QAM-20525-50RB#0-PASS



Band5-10MHz-16QAM-20600-50RB#0-PASS



3: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0922	1.288	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0913	1.287	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0908	1.275	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0975	1.310	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0983	1.305	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0999	1.296	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6895	2.878	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6841	2.885	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6895	2.903	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6811	2.901	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6829	2.896	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6762	2.893	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4977	4.953	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4889	4.917	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5035	5.069	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4957	4.918	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4884	4.942	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4954	5.545	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9989	9.807	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9662	9.790	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9952	9.836	PASS
Band5	10MHz	16QAM	20450	50RB#0	9.0063	9.742	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9703	9.786	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9982	9.723	PASS