

LTE Band5 Test Data

General Description of EUT	
Product Name:	Smartphone
Test Model:	HiBreak
Sample ID:	HC-C-202406-0078-01-01-2#
Environmental Conditions	
Temperature:	23.8℃
Relative Humidity:	48%
Test Voltage:	DC 3.8V
Test Engineer:	ZKN ZHOU
Note: For a more detailed features description, please refer to the report TBR-C-202406-0078-35 . The report only show the worst case data.	

Contents

LTE Band5 Test Data1

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

 Test Result3

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

 Test Result7

 Test Graphs9

3: 26dB Bandwidth and Occupied Bandwidth17

 Test Result17

 Test Graphs18

4: Band Edge22

 Test Result22

 Test Graphs24

5: Conducted Spurious Emission.....32

 Test Result32

 Test Graphs35

6: Frequency Stability55

 Test Result55

1: Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.63	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.74	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.59	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.69	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.72	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.73	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.71	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.51	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.66	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.52	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.52	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.54	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.55	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.59	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.57	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.76	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.57	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.67	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.66	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.63	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.72	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.48	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.70	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.48	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.52	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.52	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.52	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.68	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.27	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.44	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.29	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.35	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.34	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.40	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.32	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.31	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.54	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.31	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.37	PASS

Band5	1.4MHz	16QAM	20643	3RB#1	22.38	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.37	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.65	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.72	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.70	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.64	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.72	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.67	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.75	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.69	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.56	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.55	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.58	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.61	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.55	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.52	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.52	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.63	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.64	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.64	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.64	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.67	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.67	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.63	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.76	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.80	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.73	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.74	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.70	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.74	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.70	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.35	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.33	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.34	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.46	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.47	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.41	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.43	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.43	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.63	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.66	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.58	PASS

Band5	3MHz	16QAM	20635	15RB#0	21.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.67	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.76	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.55	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.64	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.59	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.80	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.74	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.44	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.55	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.46	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.37	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.67	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.59	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.52	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.70	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.64	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.50	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.48	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.53	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.49	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.56	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.69	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.53	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.55	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.43	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.77	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.75	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.43	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.61	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.12	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.69	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.61	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.47	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.51	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.47	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.58	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.44	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.50	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.51	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.52	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.56	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.66	PASS

Band5	10MHz	QPSK	20450	1RB#24	23.52	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.46	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.49	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.46	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.58	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.49	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.52	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.69	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.63	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.52	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.78	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.53	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.75	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.57	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.19	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.50	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.44	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.34	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.44	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.68	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.71	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.64	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.48	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.48	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.53	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.51	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.32	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.44	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.18	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.81	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.81	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.53	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.72	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.01	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.27	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.29	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.54	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.20	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.80	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.66	PASS

2: Peak-to-Average Ratio(CCDF)

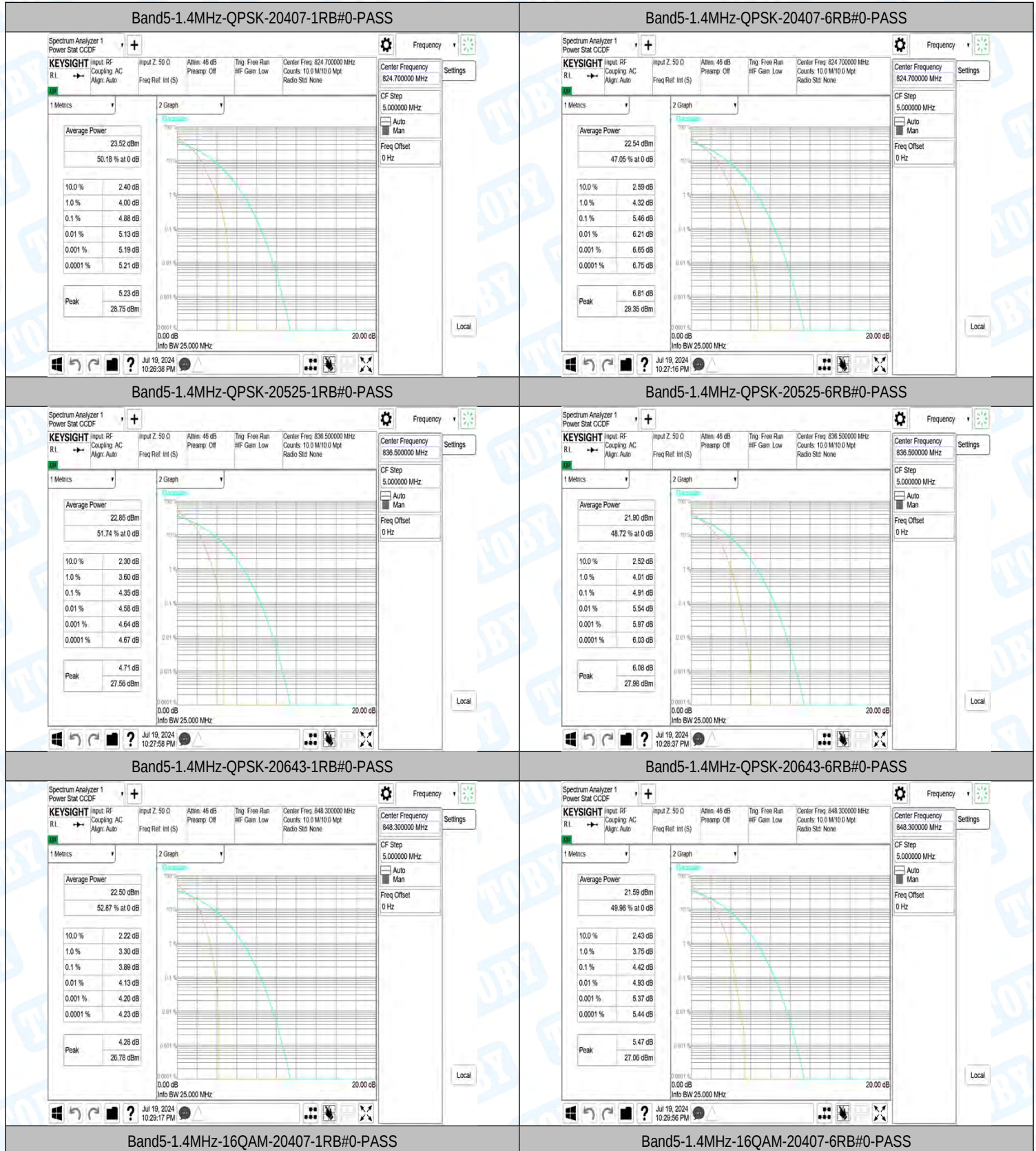
Test Result

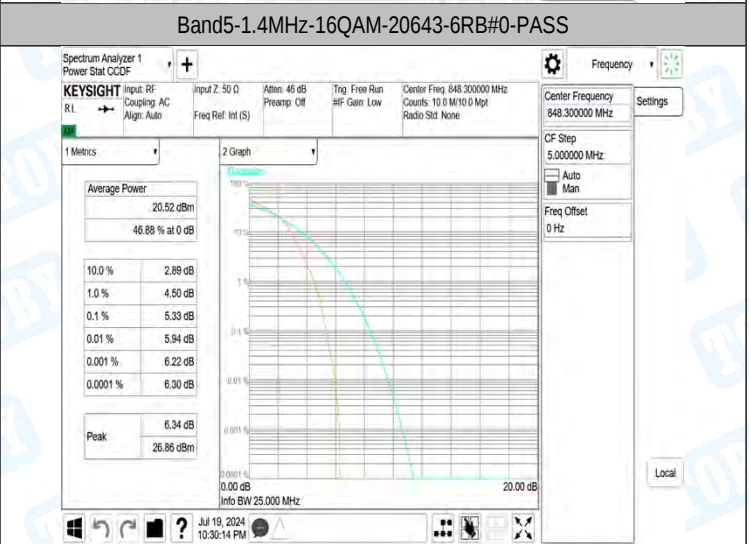
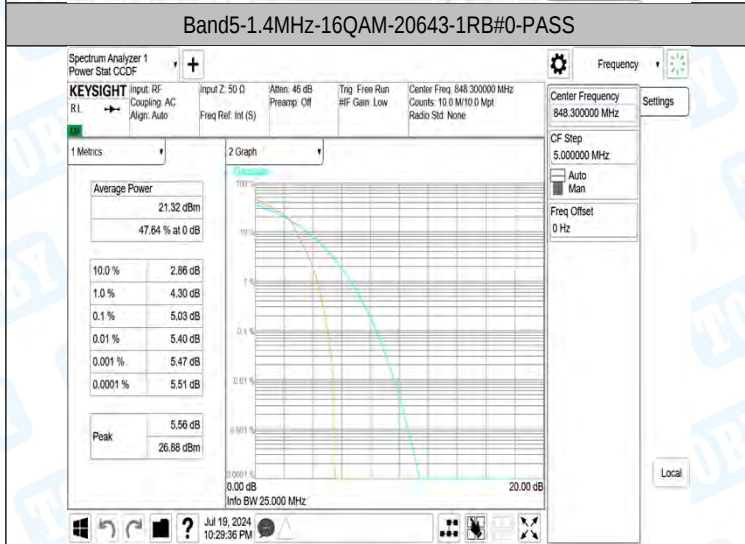
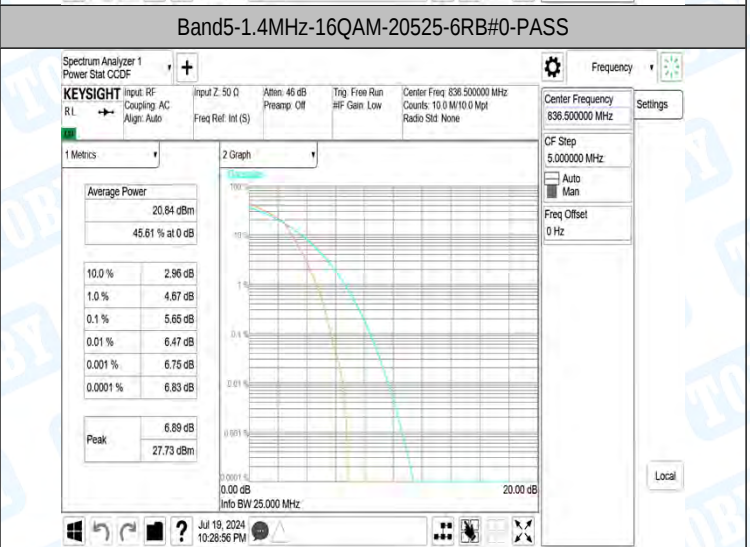
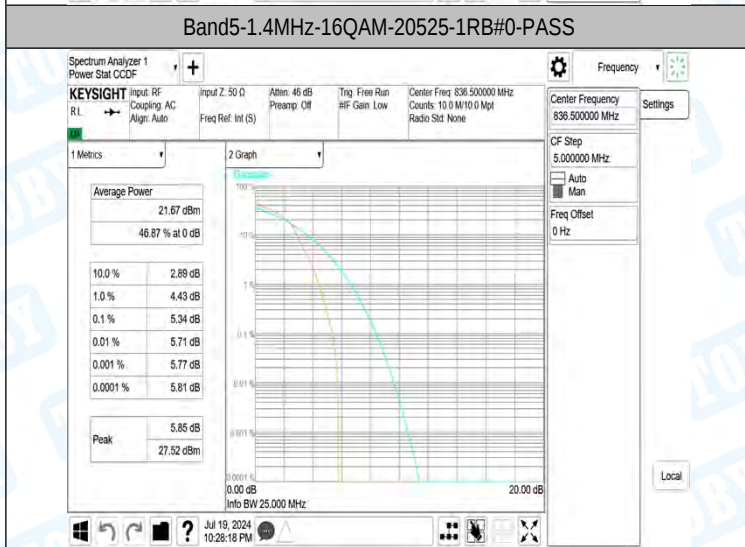
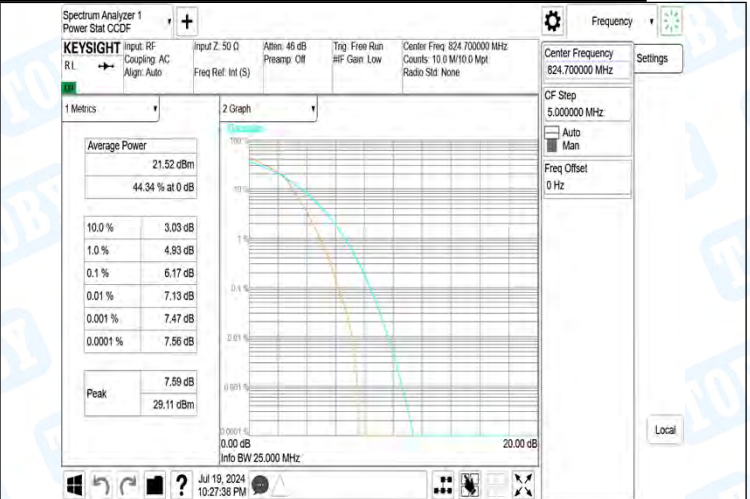
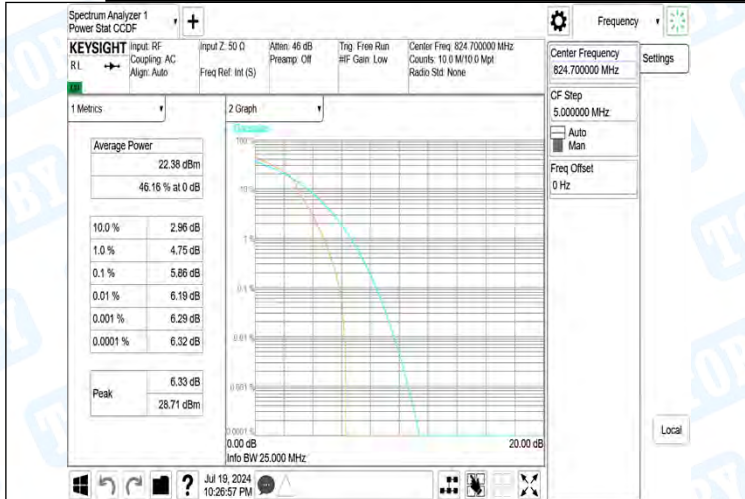
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.88	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.46	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.35	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.91	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.89	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.42	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.86	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.17	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.34	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.65	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.03	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.33	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.88	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.57	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.32	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	4.95	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.41	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.71	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.88	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.32	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.16	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.75	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.39	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.63	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.00	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.62	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.37	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.03	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	5.25	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.06	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.67	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.31	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.02	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.72	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.94	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.86	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.11	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.36	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.36	13	PASS

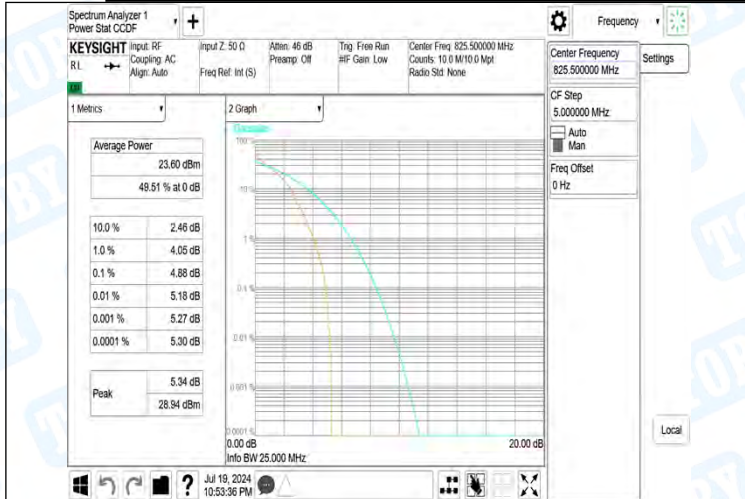


Band5	10MHz	QPSK	20525	50RB#0	5.07	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.72	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.41	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.97	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.18	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.17	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.83	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.79	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.21	13	PASS

Test Graphs



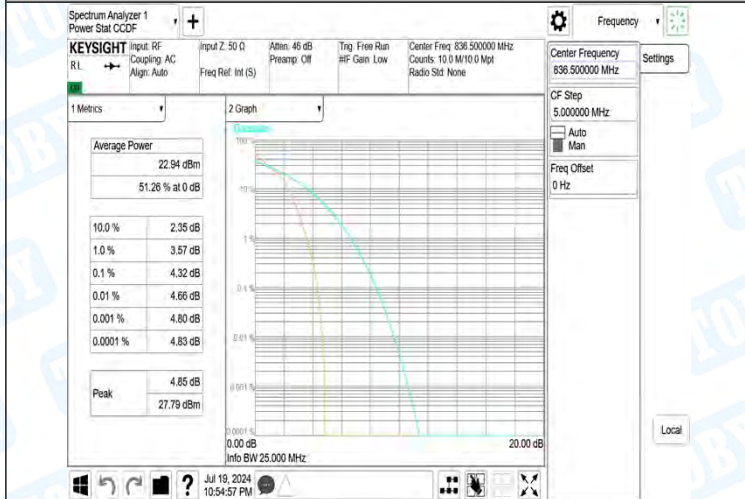




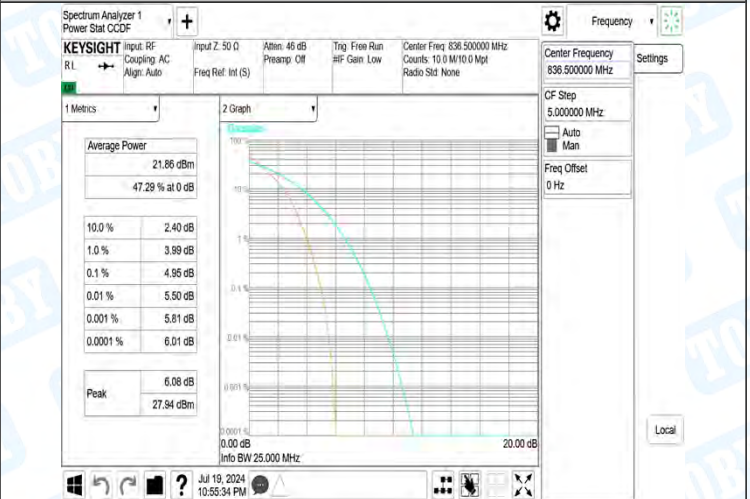
Band5-3MHz-QPSK-20525-1RB#0-PASS



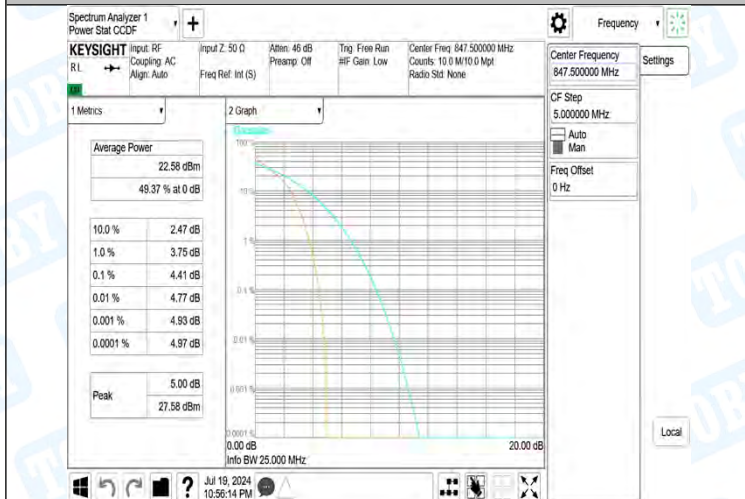
Band5-3MHz-QPSK-20525-15RB#0-PASS



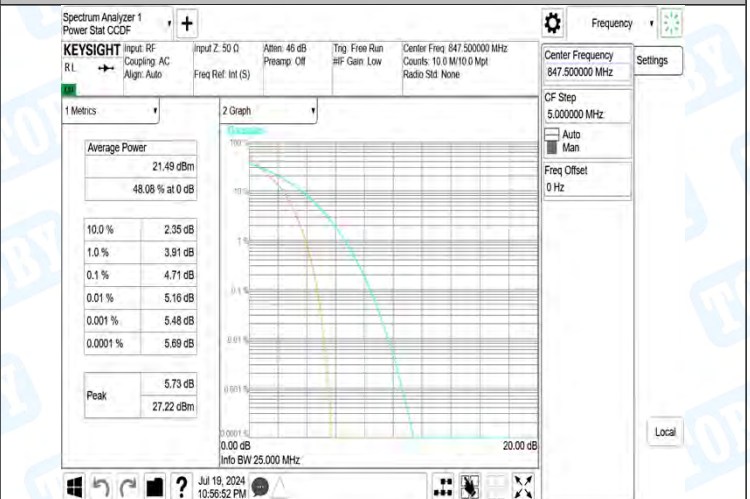
Band5-3MHz-QPSK-20635-1RB#0-PASS



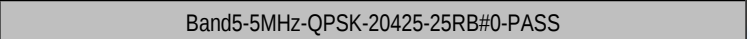
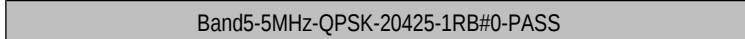
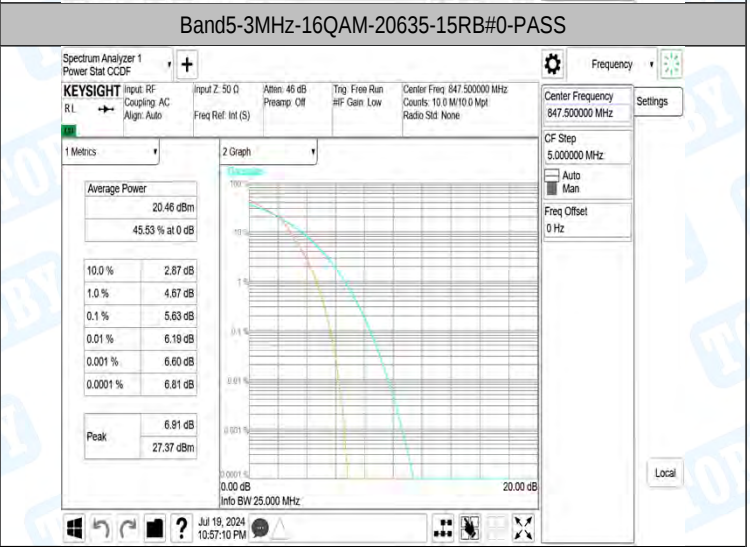
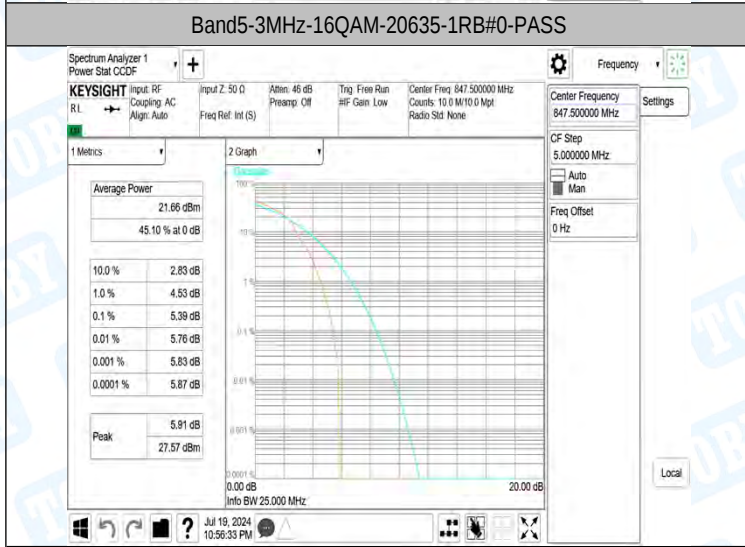
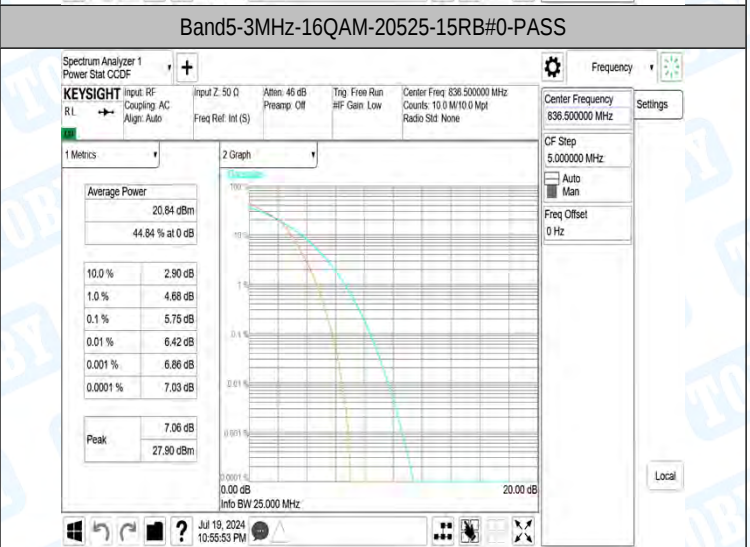
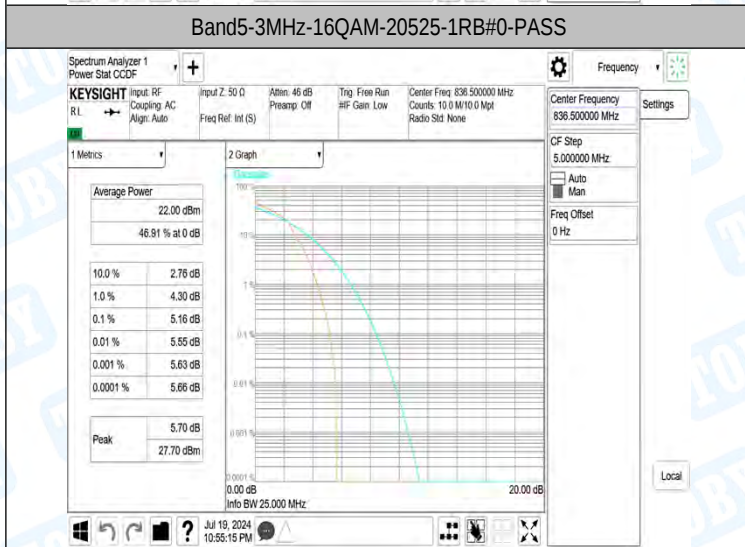
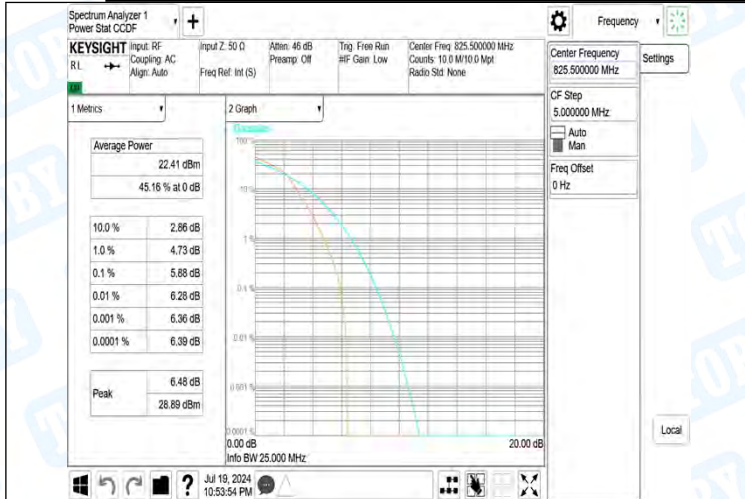
Band5-3MHz-QPSK-20635-15RB#0-PASS

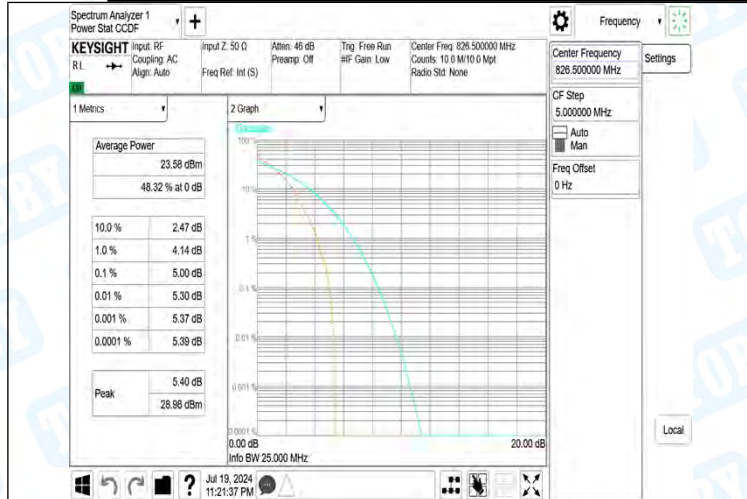


Band5-3MHz-16QAM-20415-1RB#0-PASS



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





Band5-5MHz-QPSK-20525-1RB#0-PASS



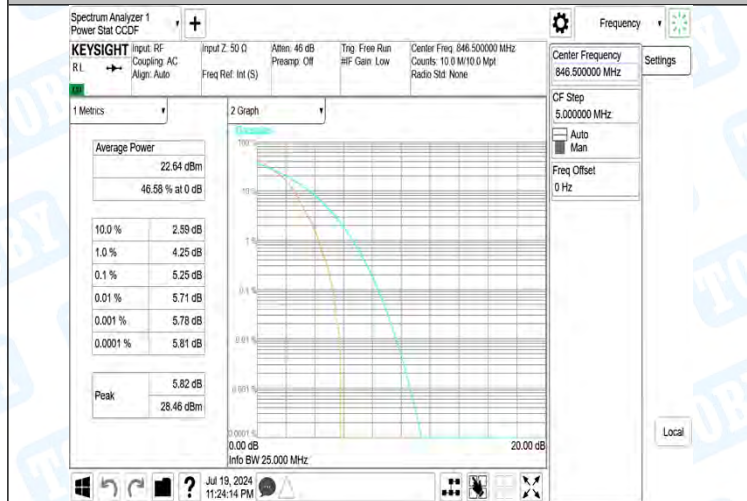
Band5-5MHz-QPSK-20525-25RB#0-PASS



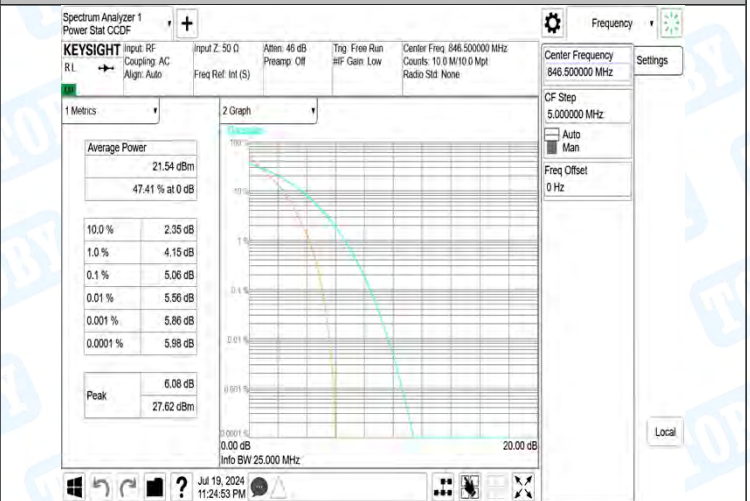
Band5-5MHz-QPSK-20625-1RB#0-PASS



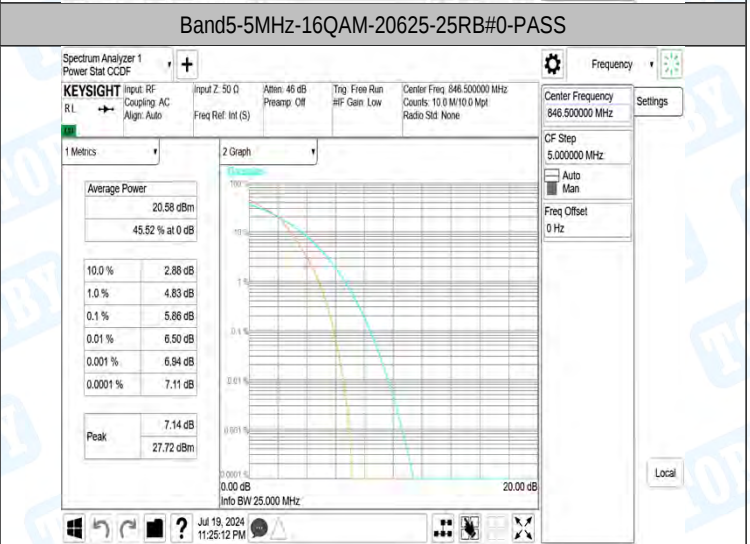
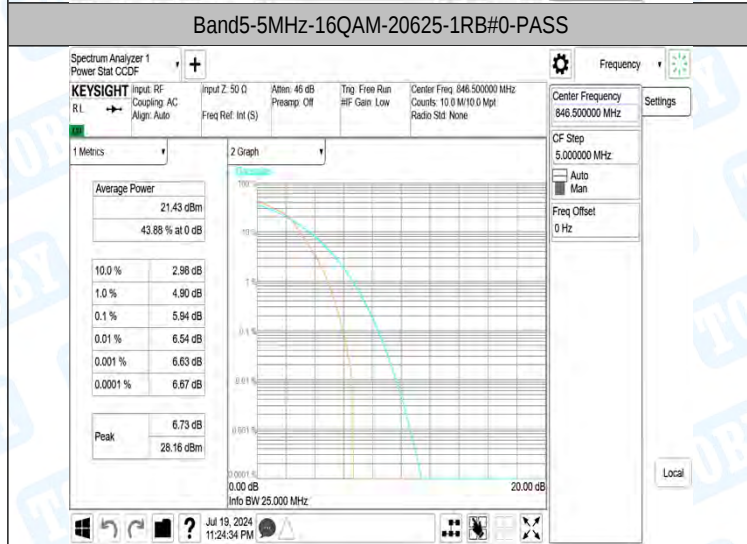
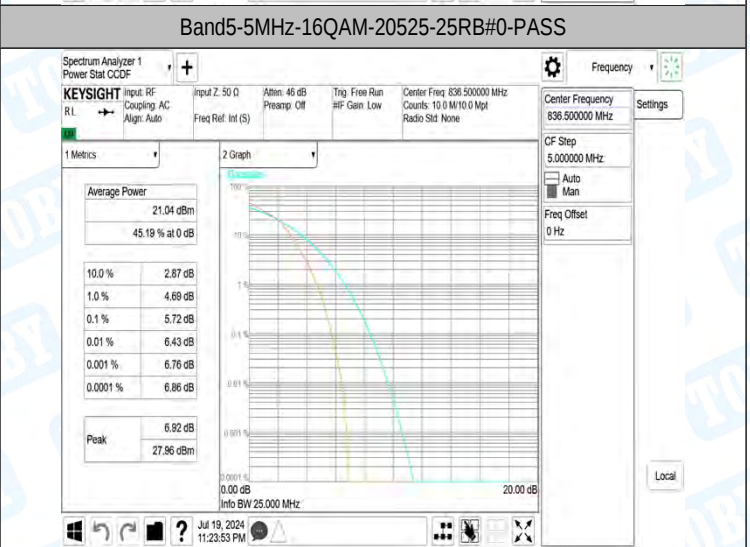
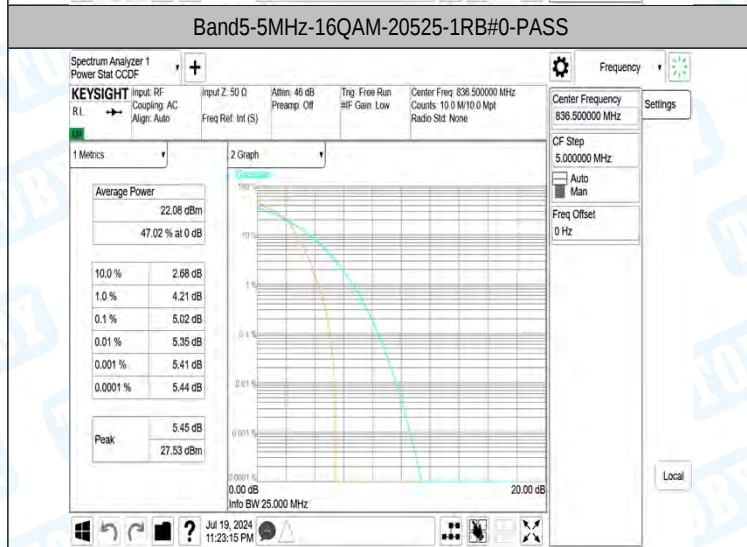
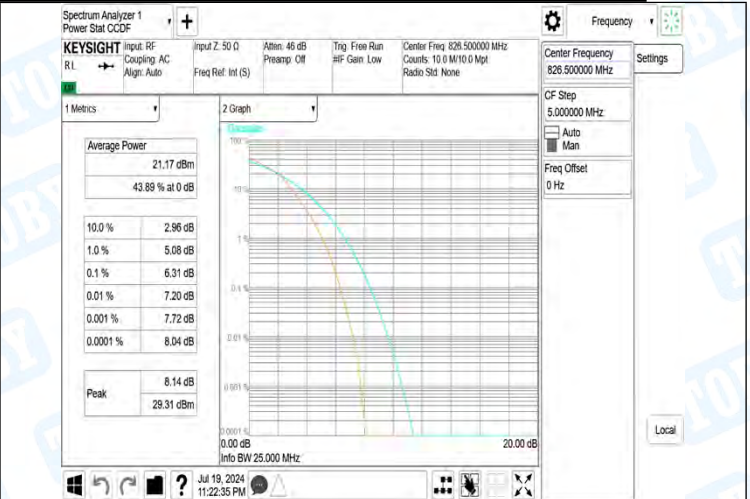
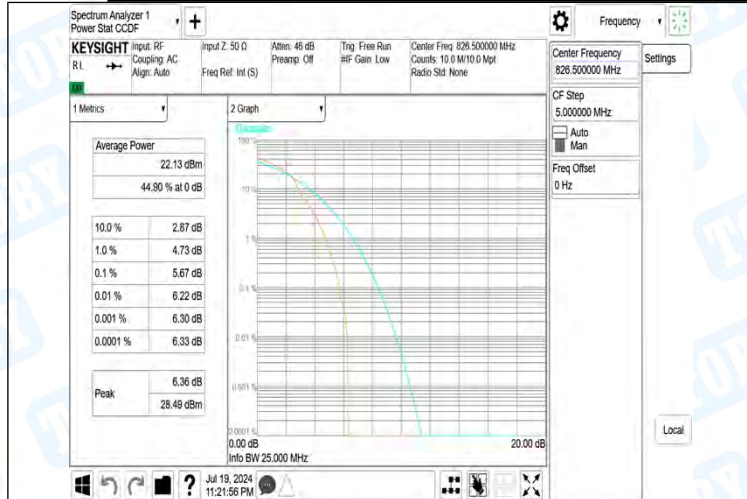
Band5-5MHz-QPSK-20625-25RB#0-PASS

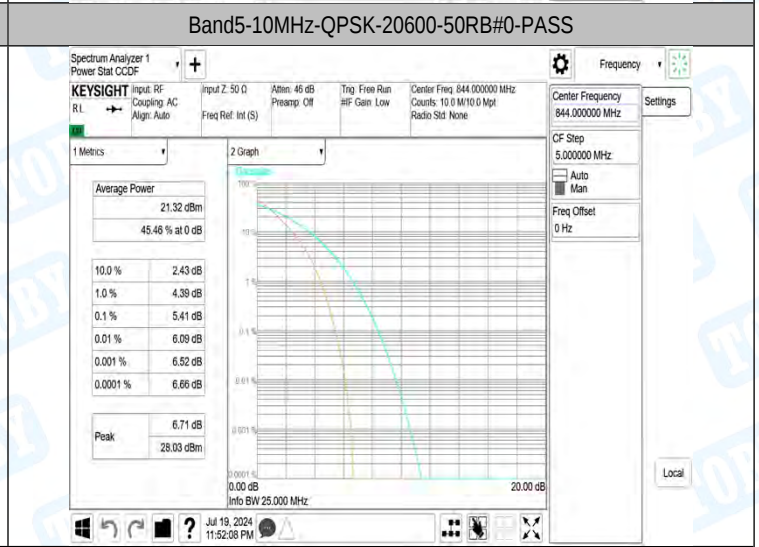
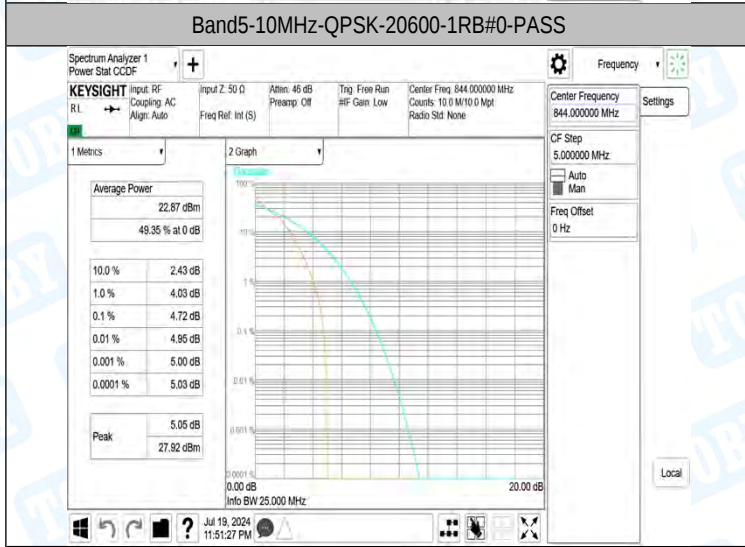
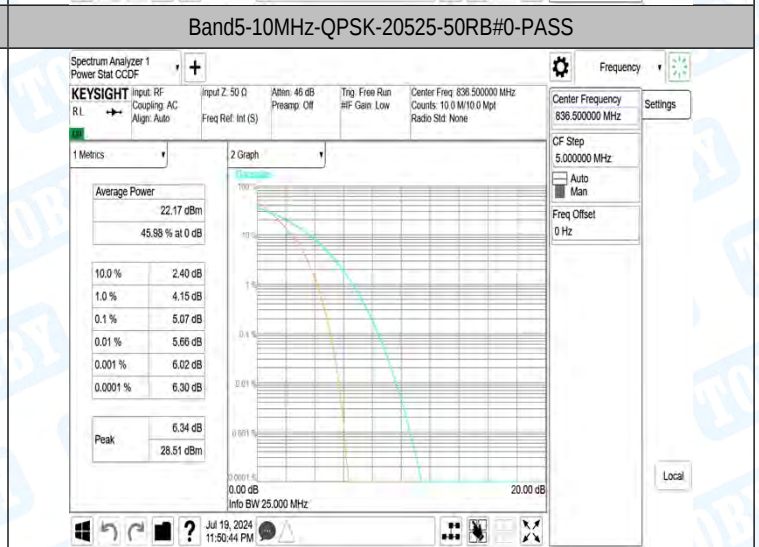
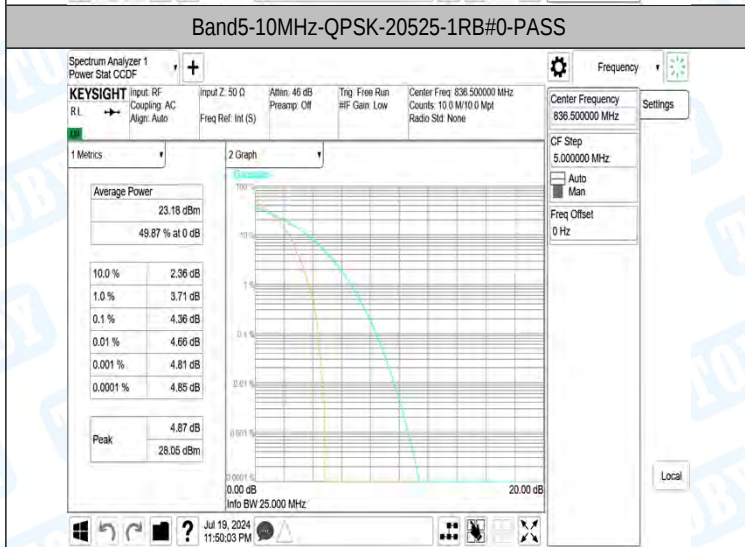
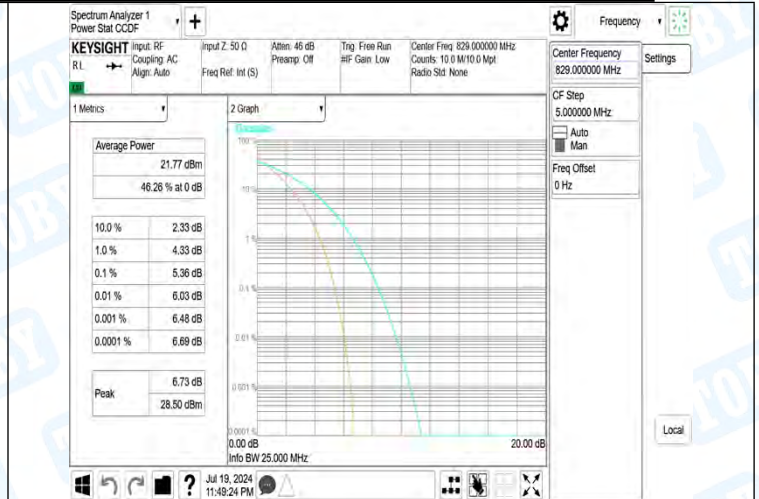
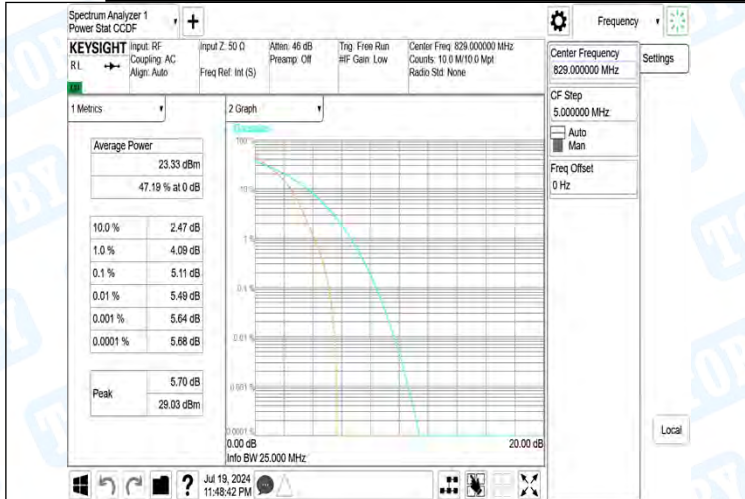


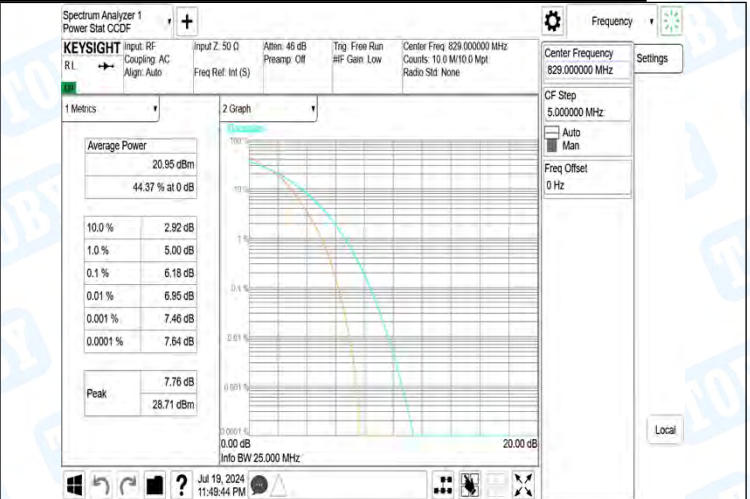
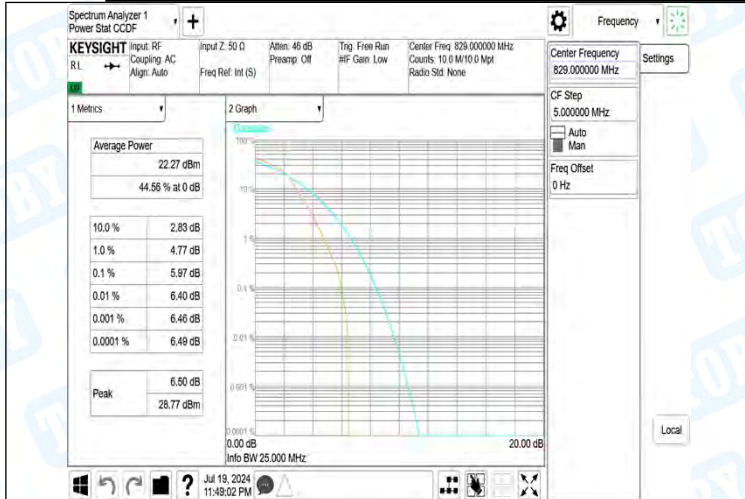
Band5-5MHz-16QAM-20425-1RB#0-PASS



Band5-5MHz-16QAM-20425-25RB#0-PASS







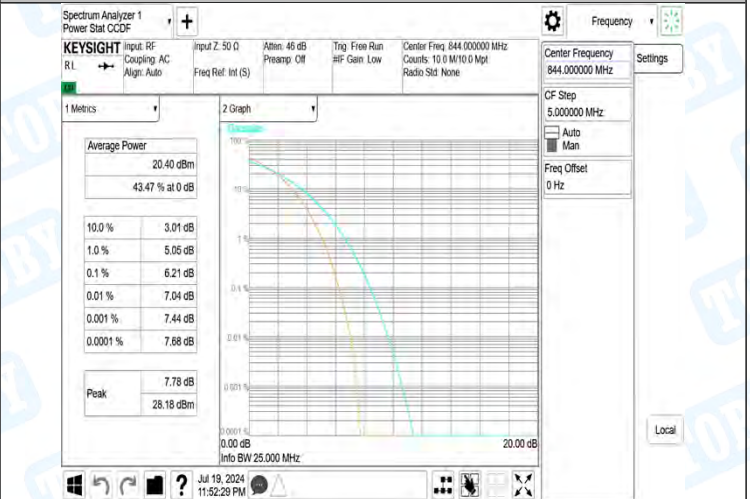
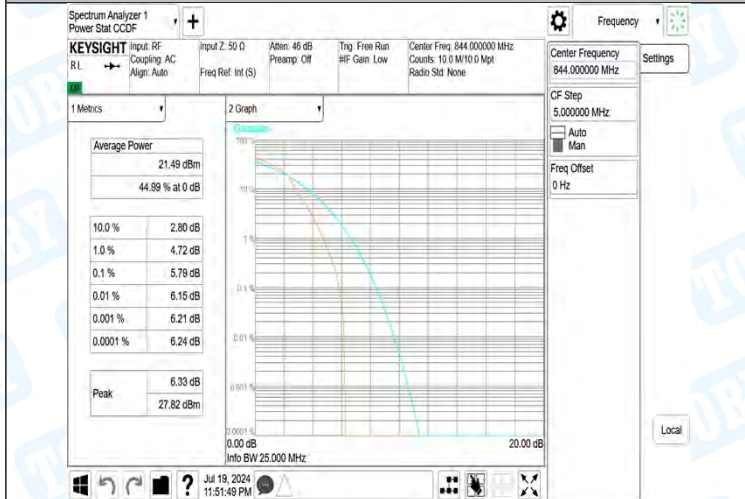
Band5-10MHz-16QAM-20525-1RB#0-PASS

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



Band5-10MHz-16QAM-20600-1RB#0-PASS

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



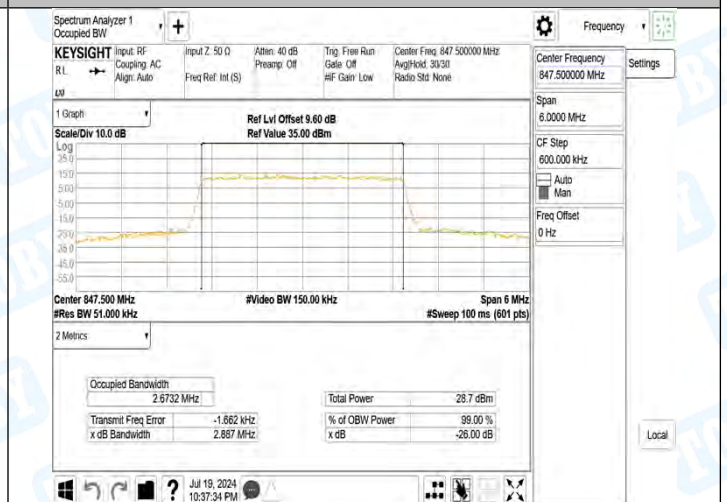
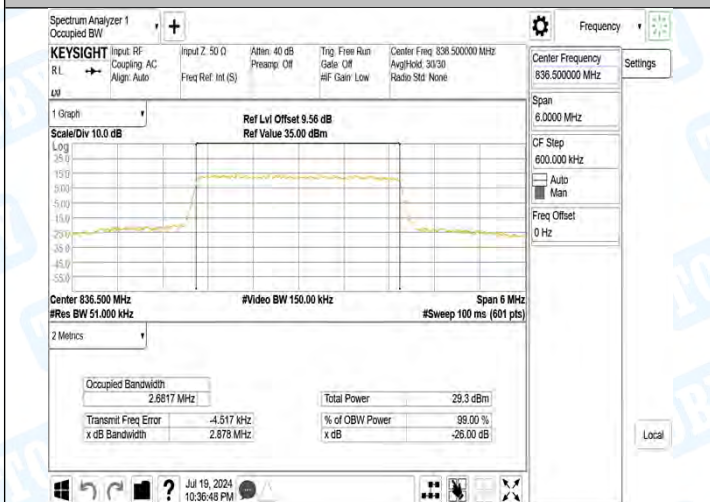
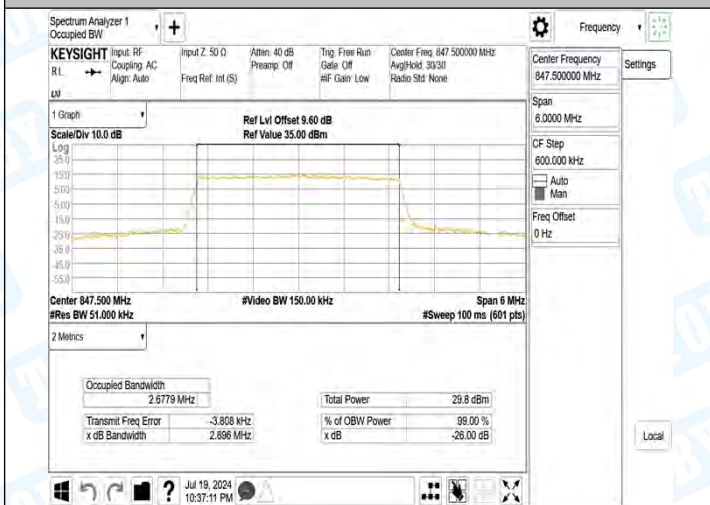
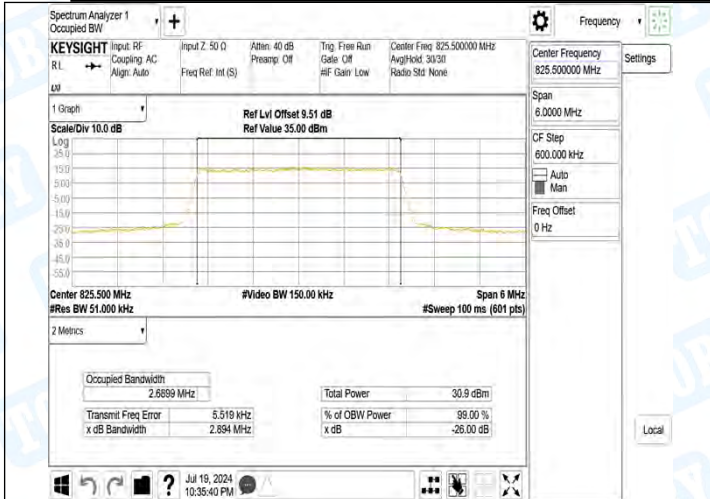
3: 26dB Bandwidth and Occupied Bandwidth

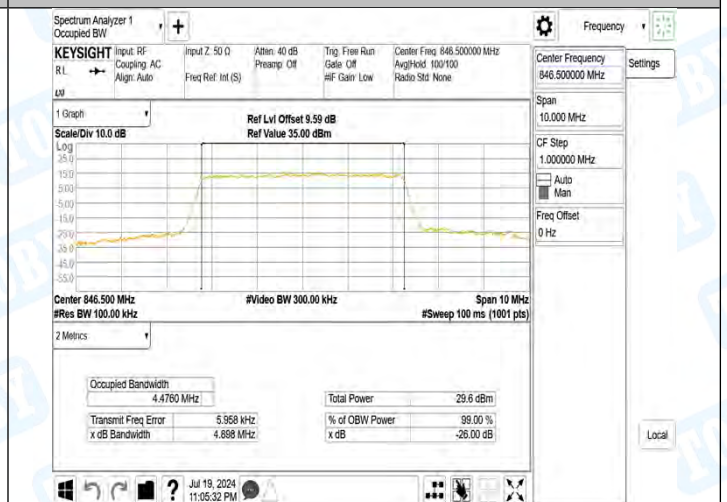
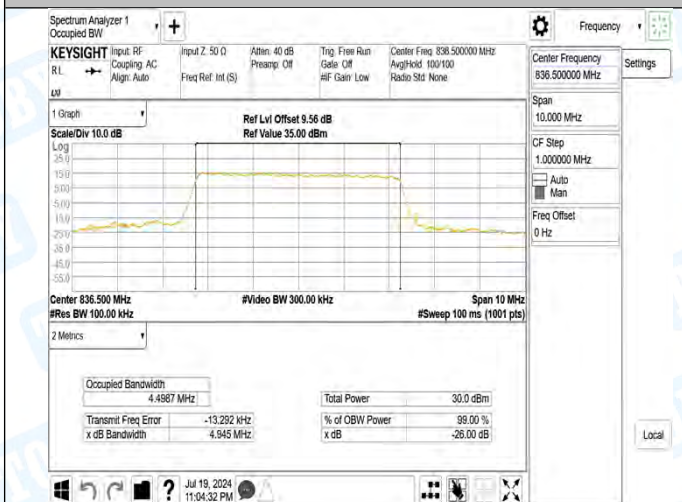
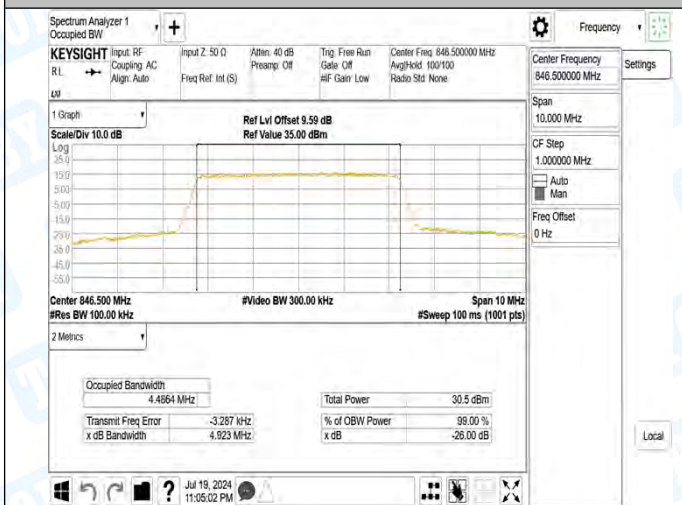
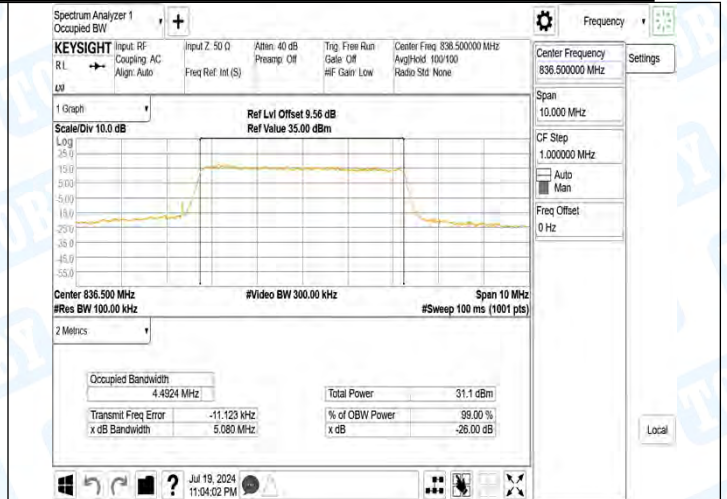
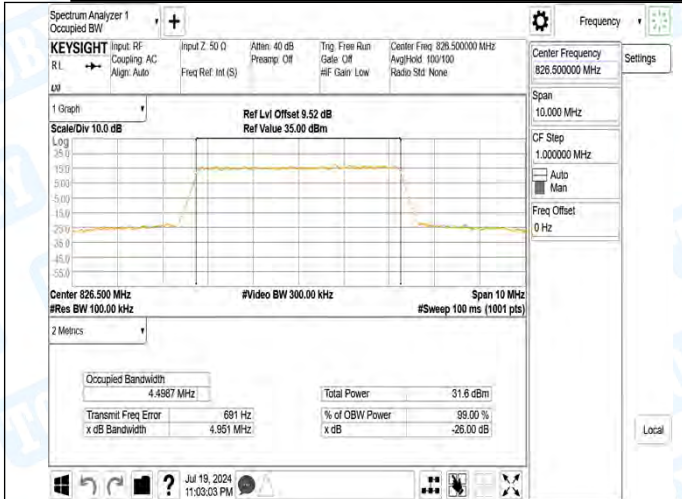
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0913	1.279	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0884	1.292	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0899	1.297	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0970	1.300	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0960	1.301	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0970	1.297	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6899	2.894	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6834	2.898	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6779	2.896	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6791	2.902	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6817	2.878	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6732	2.887	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4987	4.951	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4924	5.080	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4864	4.923	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4882	4.905	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4987	4.945	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4760	4.898	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9573	9.757	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9886	9.753	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9642	9.727	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9609	9.707	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9825	9.727	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9720	9.660	PASS

Test Graphs



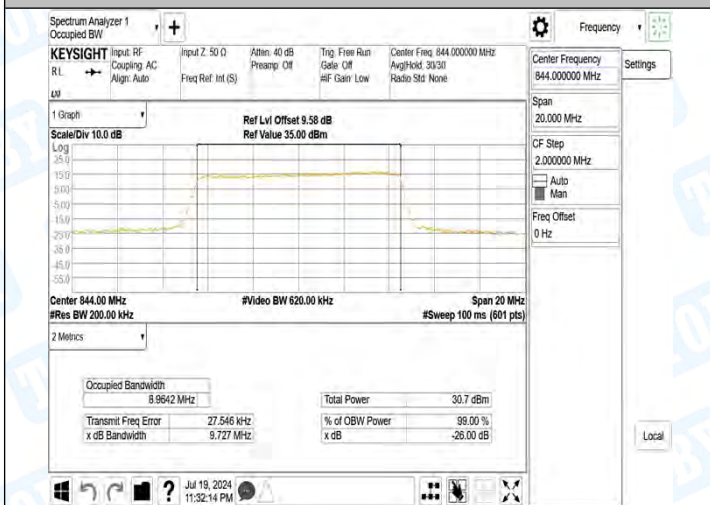






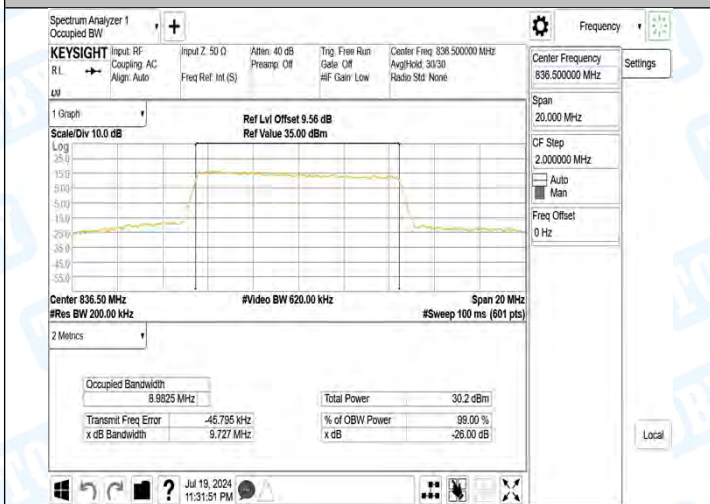
Band5-10MHz-QPSK-20600-50RB#0-PASS

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



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

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



4: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Level_dBm	Margin	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	-23.62	10.62	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	-56.08	34.88	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-30.70	17.70	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	-57.71	36.51	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-24.34	11.34	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-28.15	15.15	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-24.14	11.14	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	-56.19	34.99	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-30.43	17.43	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	-57.77	36.57	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-26.15	13.15	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-32.02	19.02	PASS
Band5	3MHz	QPSK	20415	1RB#0	-20.71	7.71	PASS
Band5	3MHz	QPSK	20415	1RB#14	-51.78	33.58	PASS
Band5	3MHz	QPSK	20415	15RB#0	-31.30	18.30	PASS
Band5	3MHz	QPSK	20635	1RB#0	-53.30	35.10	PASS
Band5	3MHz	QPSK	20635	1RB#14	-20.47	7.47	PASS
Band5	3MHz	QPSK	20635	15RB#0	-35.23	17.03	PASS
Band5	3MHz	16QAM	20415	1RB#0	-21.59	8.59	PASS
Band5	3MHz	16QAM	20415	1RB#14	-51.63	33.43	PASS
Band5	3MHz	16QAM	20415	15RB#0	-37.14	18.94	PASS
Band5	3MHz	16QAM	20635	1RB#0	-53.56	35.36	PASS
Band5	3MHz	16QAM	20635	1RB#14	-22.23	9.23	PASS
Band5	3MHz	16QAM	20635	15RB#0	-38.11	19.91	PASS
Band5	5MHz	QPSK	20425	1RB#0	-20.06	7.06	PASS
Band5	5MHz	QPSK	20425	1RB#24	-51.68	35.78	PASS
Band5	5MHz	QPSK	20425	25RB#0	-31.56	18.56	PASS
Band5	5MHz	QPSK	20625	1RB#0	-52.10	36.20	PASS
Band5	5MHz	QPSK	20625	1RB#24	-20.98	7.98	PASS
Band5	5MHz	QPSK	20625	25RB#0	-32.17	19.17	PASS
Band5	5MHz	16QAM	20425	1RB#0	-20.95	7.95	PASS
Band5	5MHz	16QAM	20425	1RB#24	-51.85	35.95	PASS
Band5	5MHz	16QAM	20425	25RB#0	-32.49	19.49	PASS
Band5	5MHz	16QAM	20625	1RB#0	-51.76	35.86	PASS
Band5	5MHz	16QAM	20625	1RB#24	-21.78	8.78	PASS
Band5	5MHz	16QAM	20625	25RB#0	-33.57	20.57	PASS
Band5	10MHz	QPSK	20450	1RB#0	-22.97	9.97	PASS
Band5	10MHz	QPSK	20450	1RB#49	-48.74	35.74	PASS
Band5	10MHz	QPSK	20450	50RB#0	-33.87	20.87	PASS



Band5	10MHz	QPSK	20600	1RB#0	-47.13	34.13	PASS
Band5	10MHz	QPSK	20600	1RB#49	-24.31	11.31	PASS
Band5	10MHz	QPSK	20600	50RB#0	-32.76	19.76	PASS
Band5	10MHz	16QAM	20450	1RB#0	-24.10	11.10	PASS
Band5	10MHz	16QAM	20450	1RB#49	-49.09	36.09	PASS
Band5	10MHz	16QAM	20450	50RB#0	-35.85	22.85	PASS
Band5	10MHz	16QAM	20600	1RB#0	-47.56	34.56	PASS
Band5	10MHz	16QAM	20600	1RB#49	-24.17	11.17	PASS
Band5	10MHz	16QAM	20600	50RB#0	-33.39	20.39	PASS

Test Graphs





Band5_3MHz_QPSK_20415_1RB#0

Band5_3MHz_QPSK_20415_1RB#14



Band5_3MHz_QPSK_20415_15RB#0



Band5_3MHz_QPSK_20635_1RB#0



Band5_3MHz_QPSK_20635_1RB#14



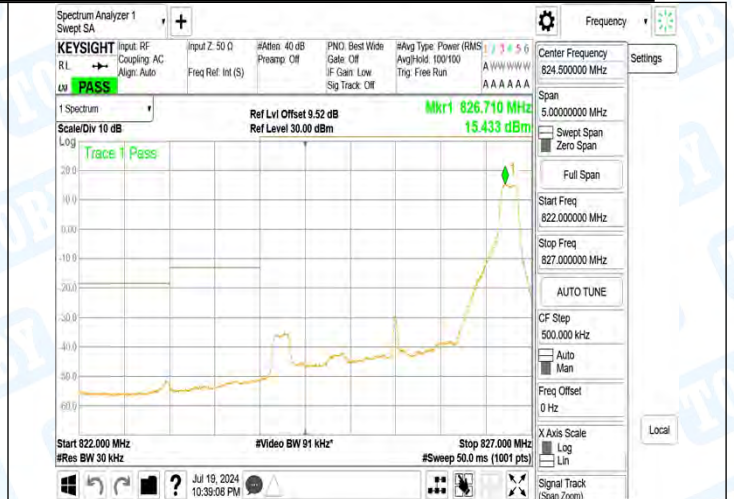
Band5_3MHz_QPSK_20635_15RB#0



Band5_3MHz_16QAM_20415_1RB#0



Band5_3MHz_16QAM_20415_1RB#14



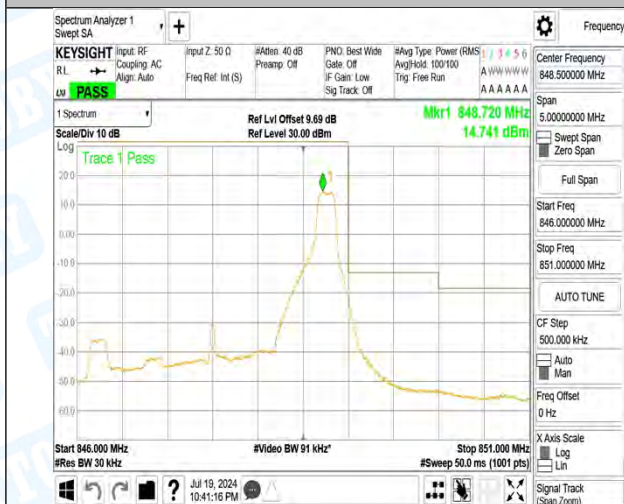
Band5_3MHz_16QAM_20415_15RB#0

Band5_3MHz_16QAM_20635_1RB#0



Band5_3MHz_16QAM_20635_1RB#14

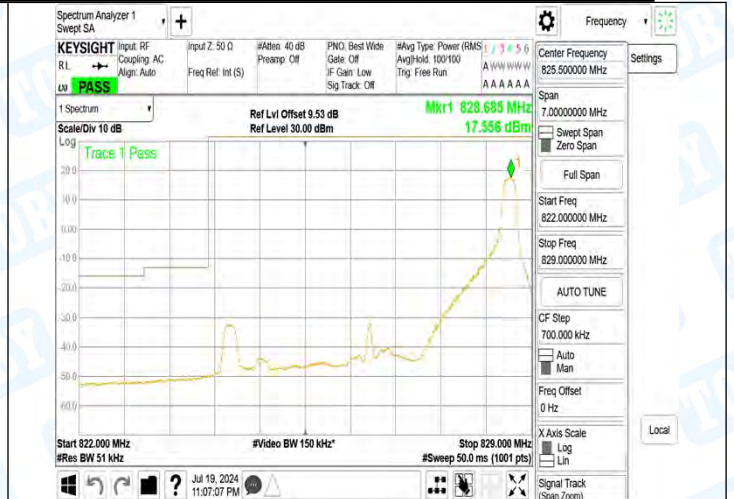
Band5_3MHz_16QAM_20635_15RB#0

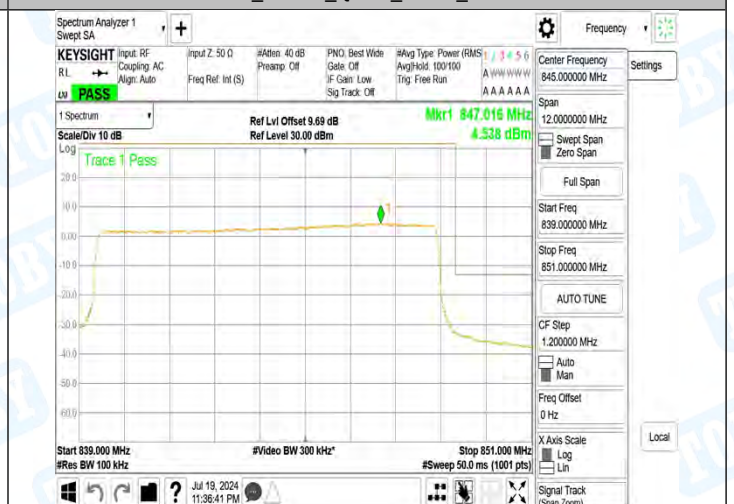
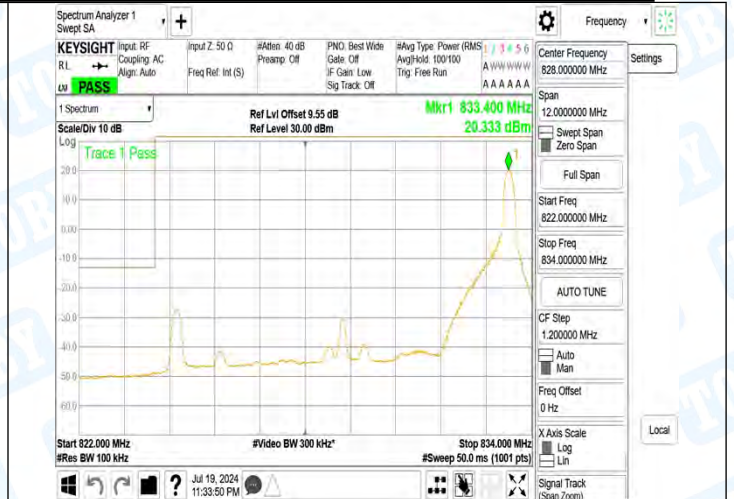


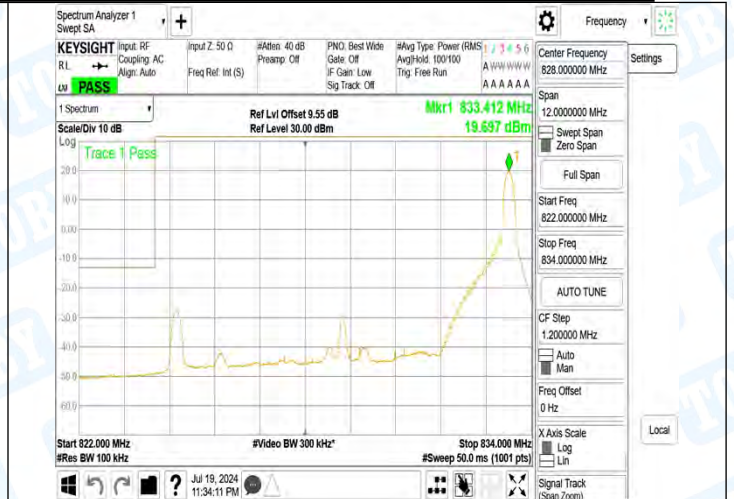
Band5_5MHz_QPSK_20425_1RB#0

Band5_5MHz_QPSK_20425_1RB#24









5: Conducted Spurious Emission

Test Result

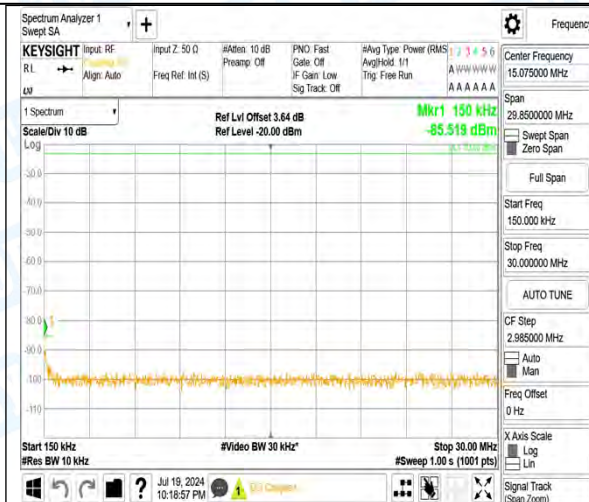
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Frequency	Value(dBm)	Limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	0.009~0.15	0.10	-96.46	-33.0	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	0.15~30	0.15	-86.90	-23.0	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	30~1000	828.31	-49.55	-13.0	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	1000~3000	2687.70	-42.48	-13.0	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	3000~10000	6130.93	-35.95	-13.0	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.009~0.15	0.09	-96.16	-33.0	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.15~30	0.15	-85.52	-23.0	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	30~1000	832.68	-50.29	-13.0	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1000~3000	2687.70	-42.46	-13.0	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3000~10000	6033.80	-35.69	-13.0	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.009~0.15	0.12	-97.42	-33.0	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.15~30	0.15	-87.86	-23.0	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	30~1000	844.80	-51.47	-13.0	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1000~3000	2706.25	-42.18	-13.0	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3000~10000	3177.63	-36.36	-13.0	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.009~0.15	0.07	-97.78	-33.0	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.15~30	0.15	-88.40	-23.0	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	30~1000	821.04	-48.09	-13.0	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	1000~3000	2670.80	-42.38	-13.0	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	3000~10000	3191.45	-36.42	-13.0	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.009~0.15	0.15	-96.86	-33.0	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.15~30	0.15	-87.86	-23.0	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	30~1000	832.68	-51.90	-13.0	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	1000~3000	2685.95	-42.46	-13.0	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	3000~10000	5959.08	-35.92	-13.0	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.009~0.15	0.13	-97.61	-33.0	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.15~30	0.15	-85.84	-23.0	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	30~1000	844.80	-52.51	-13.0	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	1000~3000	2655.80	-42.57	-13.0	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3000~10000	5978.15	-36.28	-13.0	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.009~0.15	0.13	-96.49	-33.0	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.15~30	0.15	-86.24	-23.0	PASS
Band5	3MHz	QPSK	20415	1RB#0	30~1000	817.64	-57.52	-13.0	PASS
Band5	3MHz	QPSK	20415	1RB#0	1000~3000	2683.00	-42.37	-13.0	PASS
Band5	3MHz	QPSK	20415	1RB#0	3000~10000	6070.73	-35.72	-13.0	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.009~0.15	0.10	-96.64	-33.0	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.15~30	0.15	-87.76	-23.0	PASS
Band5	3MHz	QPSK	20525	1RB#0	30~1000	828.80	-57.90	-13.0	PASS
Band5	3MHz	QPSK	20525	1RB#0	1000~3000	2681.40	-42.32	-13.0	PASS

Band5	3MHz	QPSK	20525	1RB#0	3000~10000	3077.53	-36.32	-13.0	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.009~0.15	0.14	-97.17	-33.0	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.15~30	0.15	-87.33	-23.0	PASS
Band5	3MHz	QPSK	20635	1RB#0	30~1000	839.95	-59.20	-13.0	PASS
Band5	3MHz	QPSK	20635	1RB#0	1000~3000	2687.95	-42.60	-13.0	PASS
Band5	3MHz	QPSK	20635	1RB#0	3000~10000	5929.85	-36.31	-13.0	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.009~0.15	0.07	-98.22	-33.0	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.15~30	0.15	-85.76	-23.0	PASS
Band5	3MHz	16QAM	20415	1RB#0	30~1000	833.16	-57.03	-13.0	PASS
Band5	3MHz	16QAM	20415	1RB#0	1000~3000	2692.25	-42.29	-13.0	PASS
Band5	3MHz	16QAM	20415	1RB#0	3000~10000	6094.53	-36.42	-13.0	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.009~0.15	0.14	-97.23	-33.0	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.15~30	0.15	-88.39	-23.0	PASS
Band5	3MHz	16QAM	20525	1RB#0	30~1000	828.80	-58.01	-13.0	PASS
Band5	3MHz	16QAM	20525	1RB#0	1000~3000	2692.30	-42.69	-13.0	PASS
Band5	3MHz	16QAM	20525	1RB#0	3000~10000	6055.85	-36.22	-13.0	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.009~0.15	0.07	-96.82	-33.0	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.15~30	0.15	-88.04	-23.0	PASS
Band5	3MHz	16QAM	20635	1RB#0	30~1000	839.95	-58.37	-13.0	PASS
Band5	3MHz	16QAM	20635	1RB#0	1000~3000	2761.90	-42.40	-13.0	PASS
Band5	3MHz	16QAM	20635	1RB#0	3000~10000	6038.00	-36.38	-13.0	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.009~0.15	0.14	-95.41	-33.0	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.15~30	0.15	-86.47	-23.0	PASS
Band5	5MHz	QPSK	20425	1RB#0	30~1000	771.08	-60.16	-13.0	PASS
Band5	5MHz	QPSK	20425	1RB#0	1000~3000	2661.35	-42.76	-13.0	PASS
Band5	5MHz	QPSK	20425	1RB#0	3000~10000	3060.90	-35.77	-13.0	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.009~0.15	0.03	-97.32	-33.0	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.15~30	0.15	-86.21	-23.0	PASS
Band5	5MHz	QPSK	20525	1RB#0	30~1000	757.99	-60.12	-13.0	PASS
Band5	5MHz	QPSK	20525	1RB#0	1000~3000	2661.00	-42.66	-13.0	PASS
Band5	5MHz	QPSK	20525	1RB#0	3000~10000	3048.13	-36.19	-13.0	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.009~0.15	0.14	-97.30	-33.0	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.15~30	0.18	-87.18	-23.0	PASS
Band5	5MHz	QPSK	20625	1RB#0	30~1000	832.19	-56.31	-13.0	PASS
Band5	5MHz	QPSK	20625	1RB#0	1000~3000	2674.20	-42.20	-13.0	PASS
Band5	5MHz	QPSK	20625	1RB#0	3000~10000	5979.03	-36.13	-13.0	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.009~0.15	0.10	-96.07	-33.0	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.15~30	0.15	-86.31	-23.0	PASS
Band5	5MHz	16QAM	20425	1RB#0	30~1000	875.36	-60.42	-13.0	PASS
Band5	5MHz	16QAM	20425	1RB#0	1000~3000	2684.60	-42.50	-13.0	PASS
Band5	5MHz	16QAM	20425	1RB#0	3000~10000	3030.28	-36.35	-13.0	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.009~0.15	0.15	-95.35	-33.0	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.15~30	0.15	-87.02	-23.0	PASS
Band5	5MHz	16QAM	20525	1RB#0	30~1000	889.42	-60.21	-13.0	PASS

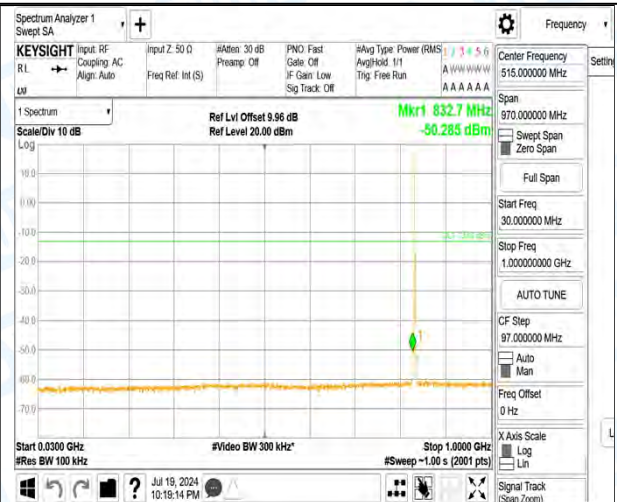
Band5	5MHz	16QAM	20525	1RB#0	1000~3000	2681.90	-42.56	-13.0	PASS
Band5	5MHz	16QAM	20525	1RB#0	3000~10000	3185.50	-35.94	-13.0	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.009~0.15	0.09	-96.19	-33.0	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.15~30	0.15	-87.02	-23.0	PASS
Band5	5MHz	16QAM	20625	1RB#0	30~1000	833.16	-57.33	-13.0	PASS
Band5	5MHz	16QAM	20625	1RB#0	1000~3000	2672.10	-42.65	-13.0	PASS
Band5	5MHz	16QAM	20625	1RB#0	3000~10000	3168.00	-36.22	-13.0	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.009~0.15	0.14	-96.93	-33.0	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.15~30	0.15	-87.56	-23.0	PASS
Band5	10MHz	QPSK	20450	1RB#0	30~1000	976.24	-60.43	-13.0	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~3000	2686.90	-42.88	-13.0	PASS
Band5	10MHz	QPSK	20450	1RB#0	3000~10000	6026.80	-36.22	-13.0	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.009~0.15	0.11	-96.57	-33.0	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.15~30	0.15	-85.76	-23.0	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000	874.39	-60.31	-13.0	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~3000	2691.30	-42.66	-13.0	PASS
Band5	10MHz	QPSK	20525	1RB#0	3000~10000	6069.50	-35.77	-13.0	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.009~0.15	0.11	-97.34	-33.0	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.15~30	0.15	-84.92	-23.0	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000	798.73	-60.41	-13.0	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~3000	2685.60	-42.31	-13.0	PASS
Band5	10MHz	QPSK	20600	1RB#0	3000~10000	3052.68	-36.17	-13.0	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.009~0.15	0.12	-97.46	-33.0	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.15~30	0.15	-86.83	-23.0	PASS
Band5	10MHz	16QAM	20450	1RB#0	30~1000	935.50	-60.29	-13.0	PASS
Band5	10MHz	16QAM	20450	1RB#0	1000~3000	2687.80	-42.39	-13.0	PASS
Band5	10MHz	16QAM	20450	1RB#0	3000~10000	6062.15	-36.12	-13.0	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.009~0.15	0.14	-95.56	-33.0	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.15~30	0.15	-85.45	-23.0	PASS
Band5	10MHz	16QAM	20525	1RB#0	30~1000	908.82	-59.73	-13.0	PASS
Band5	10MHz	16QAM	20525	1RB#0	1000~3000	2777.70	-42.49	-13.0	PASS
Band5	10MHz	16QAM	20525	1RB#0	3000~10000	5980.78	-36.01	-13.0	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.009~0.15	0.15	-97.12	-33.0	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.15~30	0.15	-85.61	-23.0	PASS
Band5	10MHz	16QAM	20600	1RB#0	30~1000	986.91	-60.28	-13.0	PASS
Band5	10MHz	16QAM	20600	1RB#0	1000~3000	2707.20	-42.50	-13.0	PASS
Band5	10MHz	16QAM	20600	1RB#0	3000~10000	5953.83	-35.75	-13.0	PASS

Test Graphs





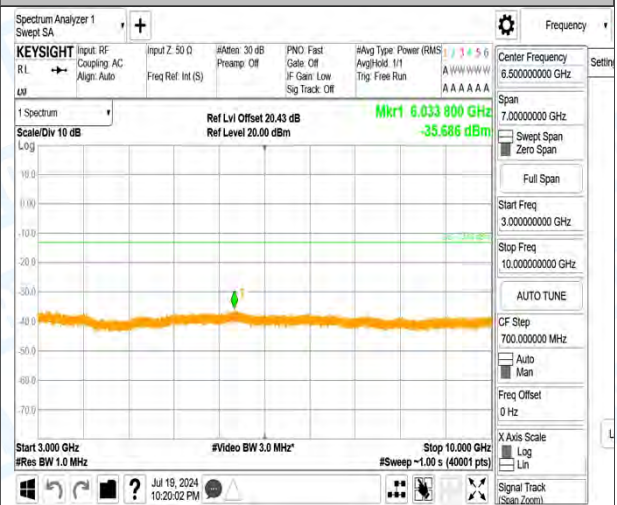
Band5_1.4MHz_QPSK_20525_1RB#0_1000~3000_1000~3000



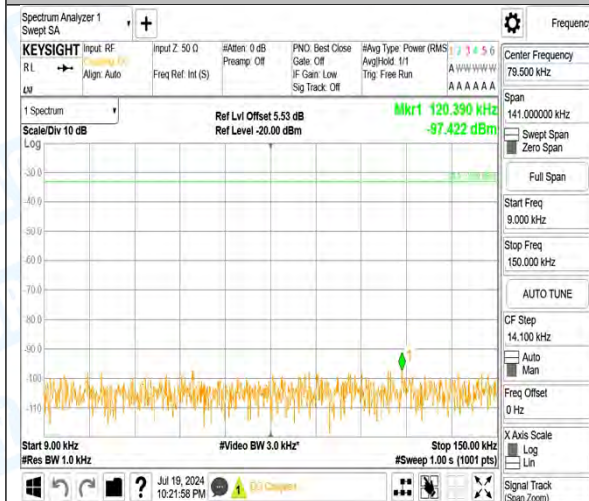
Band5_1.4MHz_QPSK_20525_1RB#0_3000~10000_3000~10000



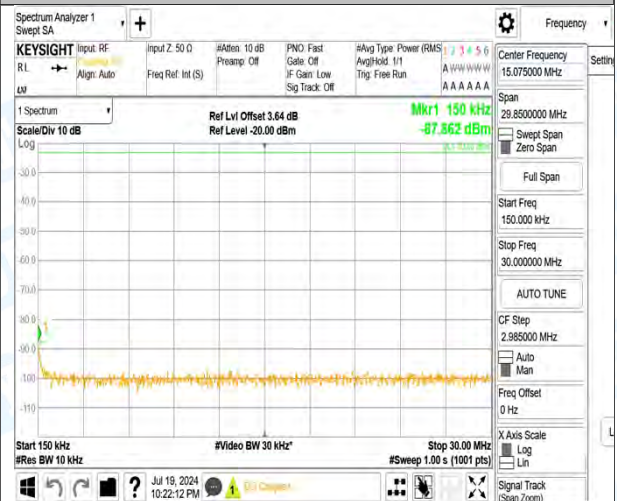
Band5_1.4MHz_QPSK_20643_1RB#0_0.009~0.15_0.009~0.15



Band5_1.4MHz_QPSK_20643_1RB#0_0.15~30_0.15~30



Band5_1.4MHz_QPSK_20643_1RB#0_30~1000_30~1000



Band5_1.4MHz_QPSK_20643_1RB#0_1000~3000_1000~3000