

LTE Test Data

General Description of EUT	
Product Name:	Tractive Dog 6
Test Model:	TG6C
Sample ID:	HC-C-202505-0203-01-02#
Environmental Conditions	
Temperature:	22.0℃-25℃
Relative Humidity:	43%-55%
Test Voltage:	DC 5V
Test Engineer:	Rick Chen
Note: For a more detailed features description, please refer to the report TBR-C-202505-0203-31 The report only show the worst case data.	

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1: Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Limit(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	21.07	33	PASS
Band7	5MHz	QPSK	20775	1RB#12	21.50	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.35	33	PASS
Band7	5MHz	QPSK	20775	12RB#0	20.53	33	PASS
Band7	5MHz	QPSK	20775	12RB#6	20.82	33	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.34	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.10	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	20.10	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	20.04	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	20.15	33	PASS
Band7	5MHz	QPSK	21100	12RB#0	19.25	33	PASS
Band7	5MHz	QPSK	21100	12RB#6	19.26	33	PASS
Band7	5MHz	QPSK	21100	12RB#13	19.39	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	19.28	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	21.78	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	21.14	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	20.72	33	PASS
Band7	5MHz	QPSK	21425	12RB#0	20.61	33	PASS
Band7	5MHz	QPSK	21425	12RB#6	20.35	33	PASS
Band7	5MHz	QPSK	21425	12RB#13	20.05	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	20.34	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	20.06	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	20.54	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.25	33	PASS
Band7	5MHz	16QAM	20775	12RB#0	19.74	33	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.08	33	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.61	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.21	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	19.37	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	19.38	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	19.55	33	PASS
Band7	5MHz	16QAM	21100	12RB#0	18.55	33	PASS
Band7	5MHz	16QAM	21100	12RB#6	18.47	33	PASS
Band7	5MHz	16QAM	21100	12RB#13	18.57	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	18.45	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	20.90	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	20.24	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	19.90	33	PASS
Band7	5MHz	16QAM	21425	12RB#0	19.79	33	PASS

Band7	5MHz	16QAM	21425	12RB#6	19.45	33	PASS
Band7	5MHz	16QAM	21425	12RB#13	19.29	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	19.57	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	21.08	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	20.93	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	21.80	33	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.15	33	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.07	33	PASS
Band7	10MHz	QPSK	20800	25RB#25	20.60	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.93	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	18.30	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	19.71	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	17.31	33	PASS
Band7	10MHz	QPSK	21100	25RB#0	18.56	33	PASS
Band7	10MHz	QPSK	21100	25RB#12	16.67	33	PASS
Band7	10MHz	QPSK	21100	25RB#25	18.03	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	19.41	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	21.16	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	20.91	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	16.28	33	PASS
Band7	10MHz	QPSK	21400	25RB#0	20.48	33	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.01	33	PASS
Band7	10MHz	QPSK	21400	25RB#25	18.55	33	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.34	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	16.70	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	20.89	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.81	33	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.34	33	PASS
Band7	10MHz	16QAM	20800	25RB#12	18.21	33	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.56	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	18.52	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	16.10	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	17.51	33	PASS
Band7	10MHz	16QAM	21100	25RB#0	18.09	33	PASS
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Band7	10MHz	16QAM	21100	25RB#25	18.22	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.19	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.12	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	17.09	33	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.42	33	PASS
Band7	10MHz	16QAM	21400	25RB#12	17.14	33	PASS
Band7	10MHz	16QAM	21400	25RB#25	18.45	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	21.06	33	PASS

Band7	15MHz	QPSK	20825	1RB#38	24.12	33	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.02	33	PASS
Band7	15MHz	QPSK	20825	38RB#0	22.78	33	PASS
Band7	15MHz	QPSK	20825	38RB#18	23.02	33	PASS
Band7	15MHz	QPSK	20825	38RB#37	22.42	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.68	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	19.73	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	20.48	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	20.34	33	PASS
Band7	15MHz	QPSK	21100	38RB#0	19.66	33	PASS
Band7	15MHz	QPSK	21100	38RB#18	19.69	33	PASS
Band7	15MHz	QPSK	21100	38RB#37	19.43	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	19.49	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.58	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.91	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	20.21	33	PASS
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Band7	15MHz	QPSK	21375	38RB#18	22.05	33	PASS
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Band7	15MHz	QPSK	21375	75RB#0	22.20	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	20.25	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.95	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.49	33	PASS
Band7	15MHz	16QAM	20825	38RB#0	22.75	33	PASS
Band7	15MHz	16QAM	20825	38RB#18	0.00	33	PASS
Band7	15MHz	16QAM	20825	38RB#37	22.61	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	18.75	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	19.37	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	19.47	33	PASS
Band7	15MHz	16QAM	21100	38RB#0	19.68	33	PASS
Band7	15MHz	16QAM	21100	38RB#18	0.00	33	PASS
Band7	15MHz	16QAM	21100	38RB#37	19.56	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.77	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.73	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	19.28	33	PASS
Band7	15MHz	16QAM	21375	38RB#0	22.15	33	PASS
Band7	15MHz	16QAM	21375	38RB#18	0.00	33	PASS
Band7	15MHz	16QAM	21375	38RB#37	22.15	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	20.15	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	20.24	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	19.03	33	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.96	33	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.67	33	PASS

Band7	20MHz	QPSK	20850	50RB#50	21.73	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.76	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	19.22	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	16.73	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	14.37	33	PASS
Band7	20MHz	QPSK	21100	50RB#0	18.33	33	PASS
Band7	20MHz	QPSK	21100	50RB#25	18.68	33	PASS
Band7	20MHz	QPSK	21100	50RB#50	15.65	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.01	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	20.08	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	20.51	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	17.78	33	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.38	33	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.53	33	PASS
Band7	20MHz	QPSK	21350	50RB#50	16.84	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	19.55	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	20.12	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	20.84	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	18.98	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	18.63	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	17.65	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	15.65	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	20.31	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	20.28	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	17.99	33	PASS

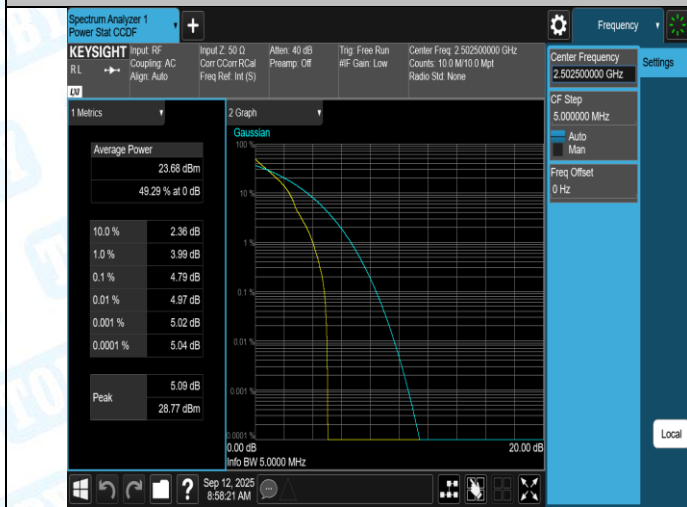
2: Peak-to-Average Ratio(CCDF)

Test Result

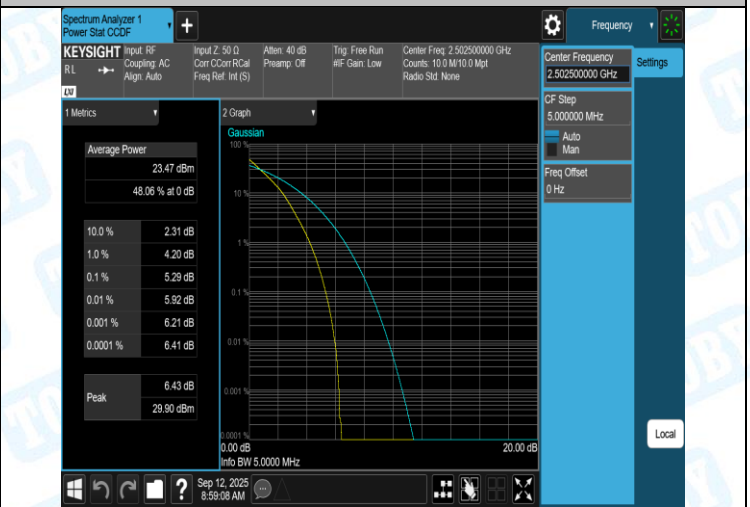
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	4.79	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.29	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	5.19	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.50	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	4.81	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.85	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.55	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.95	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.96	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.08	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.93	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.17	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	5.07	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.14	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	5.43	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.50	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	5.17	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.30	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	6.02	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	6.95	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	5.74	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	5.43	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.25	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	5.17	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.87	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.99	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	6.42	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	6.60	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	6.19	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	6.38	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	5.45	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.21	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	5.70	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.62	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.94	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.06	13	PASS

Test Graphs

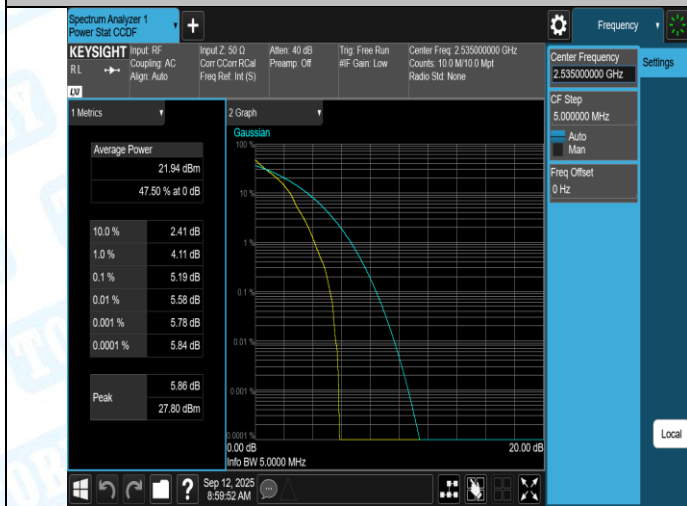
Band7-5MHz-QPSK-20775-1RB#0-PASS



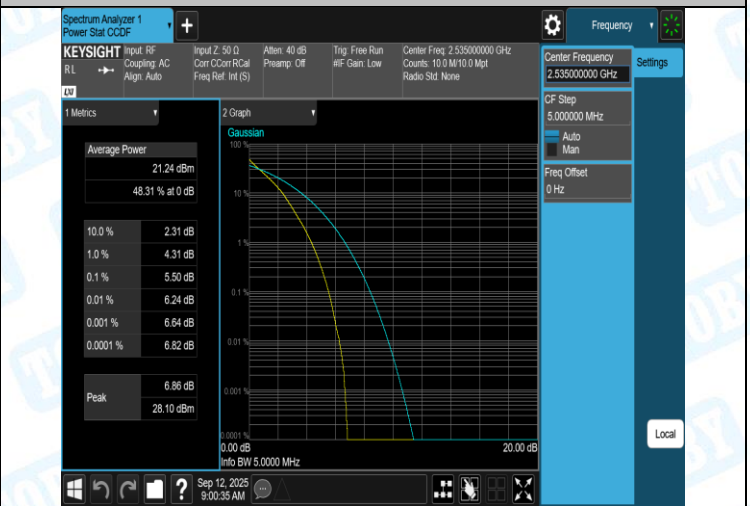
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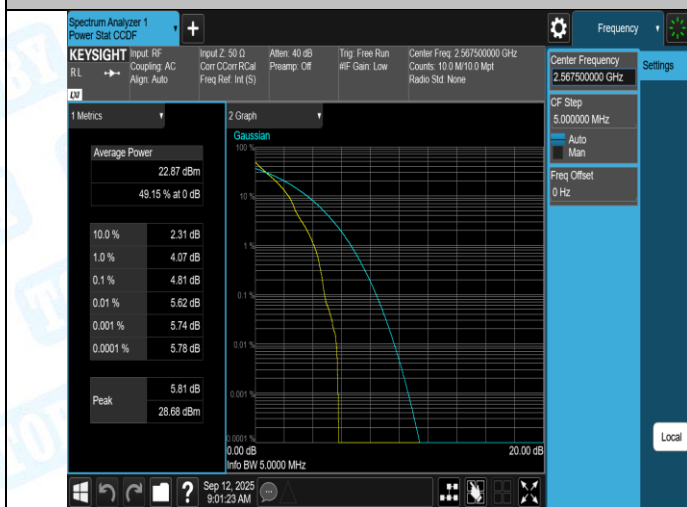
Band7-5MHz-QPSK-21100-1RB#0-PASS



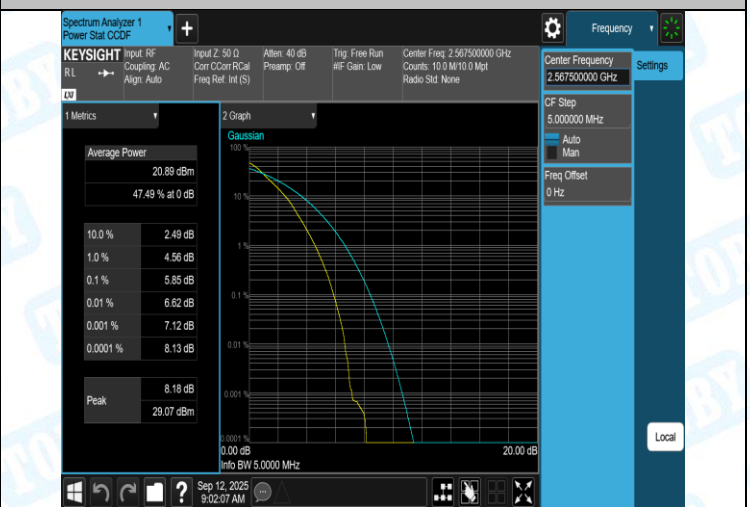
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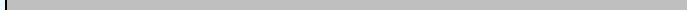
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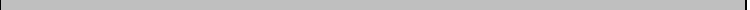
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Band7-5MHz-16QAM-20775-1RB#0-PASS

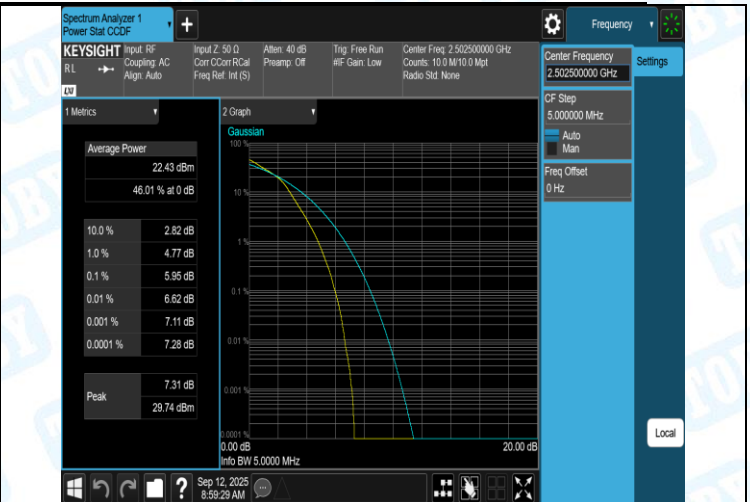


Band7-5MHz-16QAM-20775-25RB#0-PASS

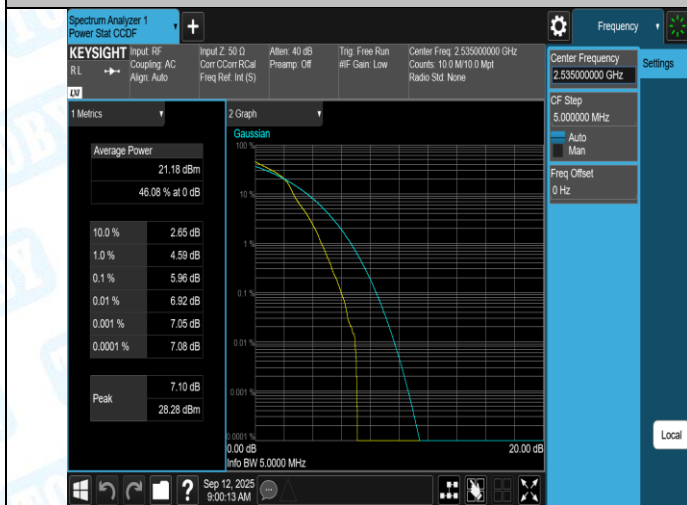




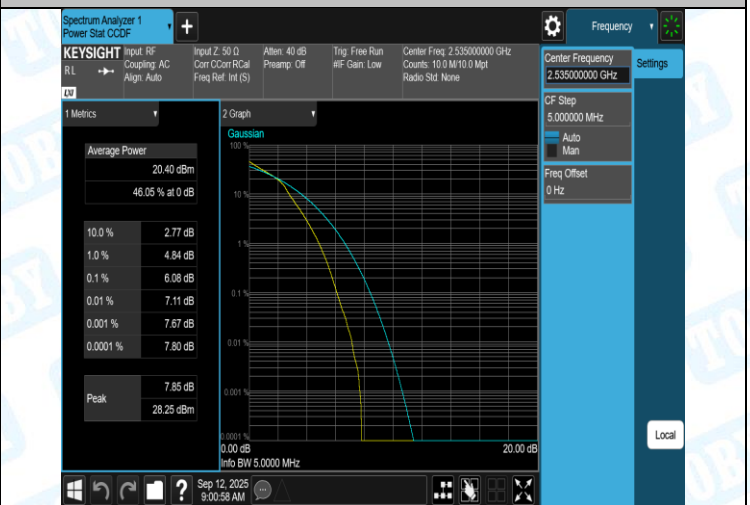
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Band7-5MHz-16QAM-21100-25RB#0-PASS



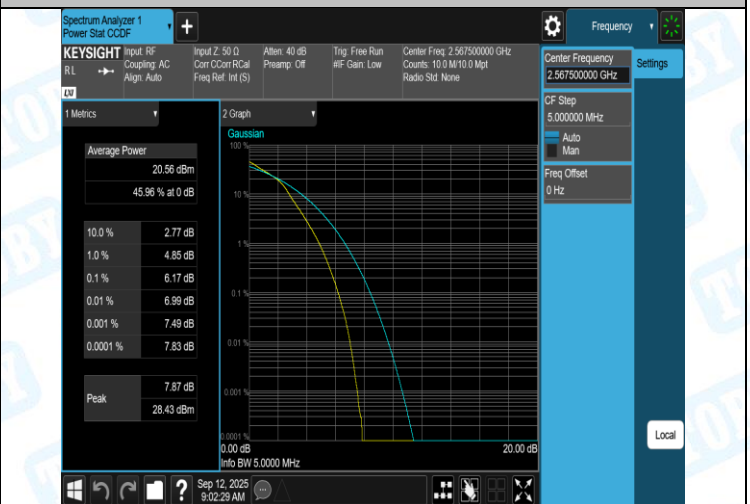
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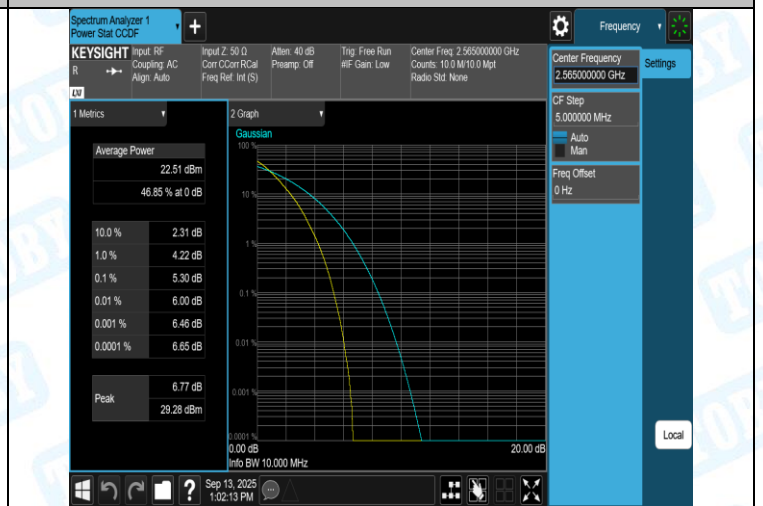
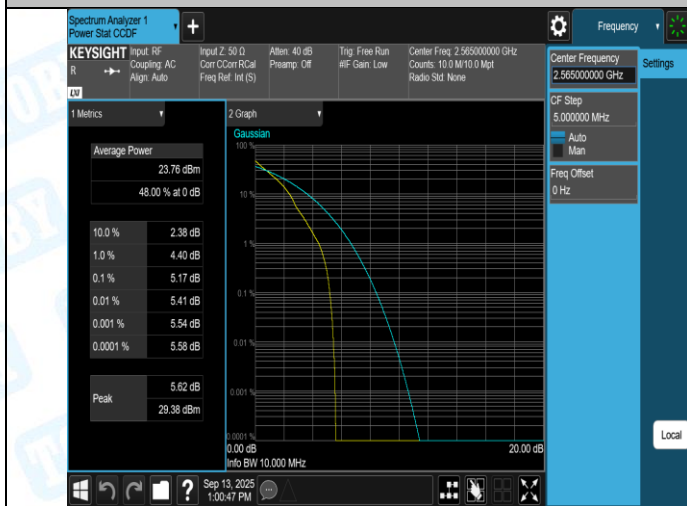
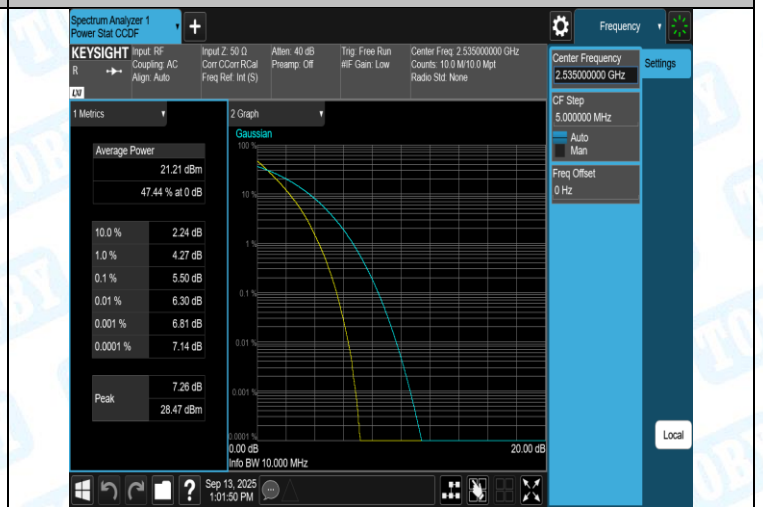
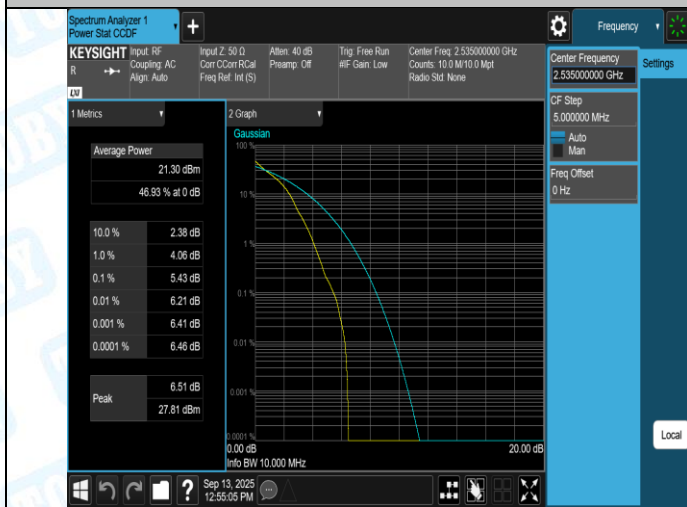
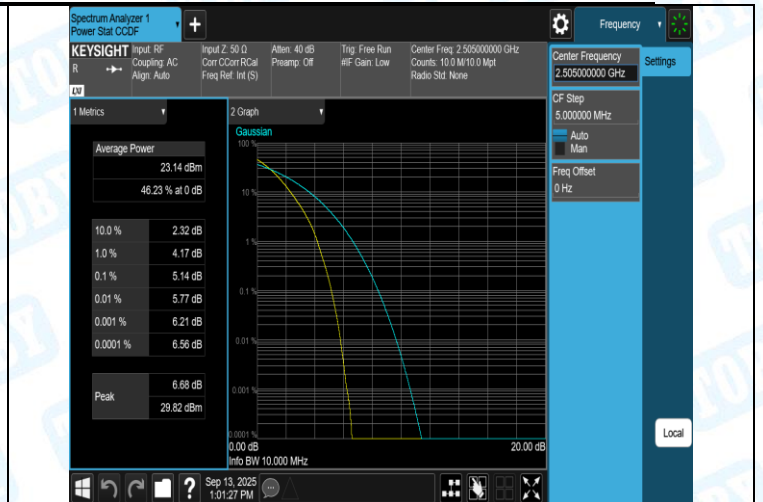
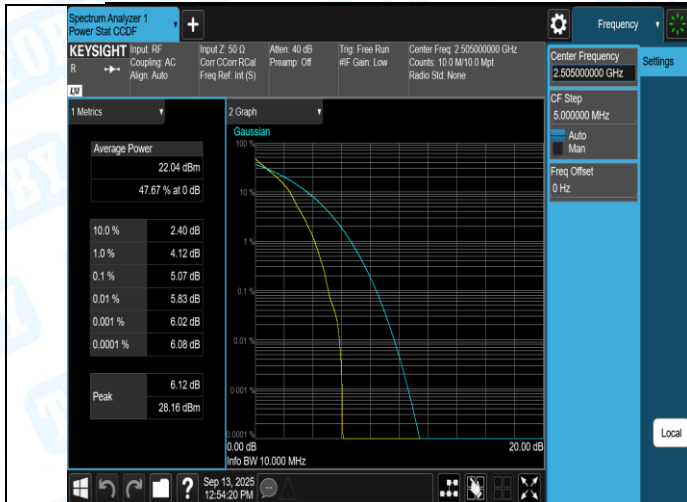
Band7-5MHz-16QAM-21425-25RB#0-PASS

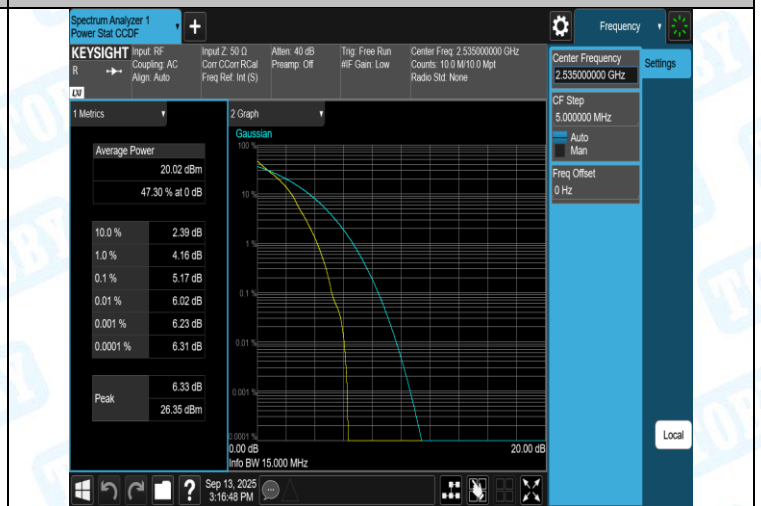
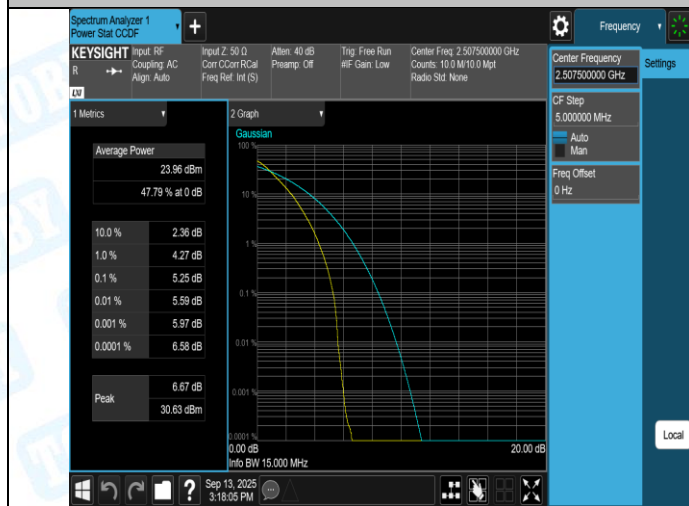
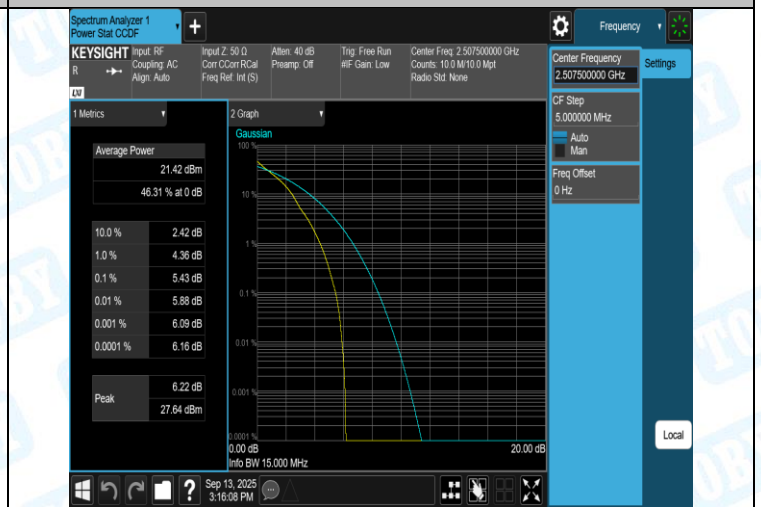
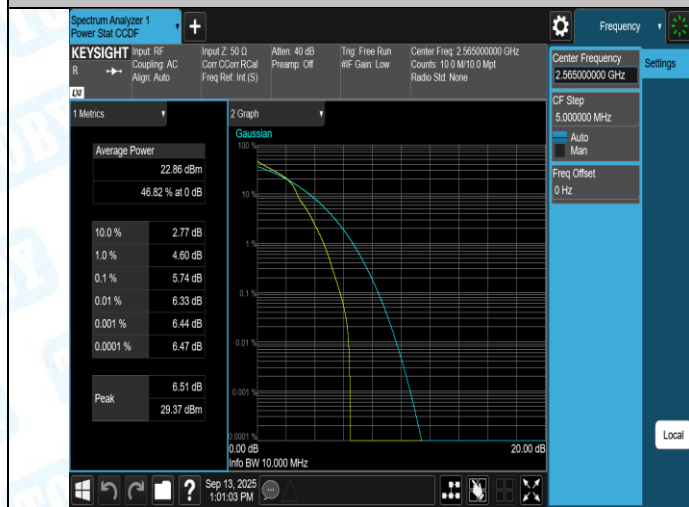
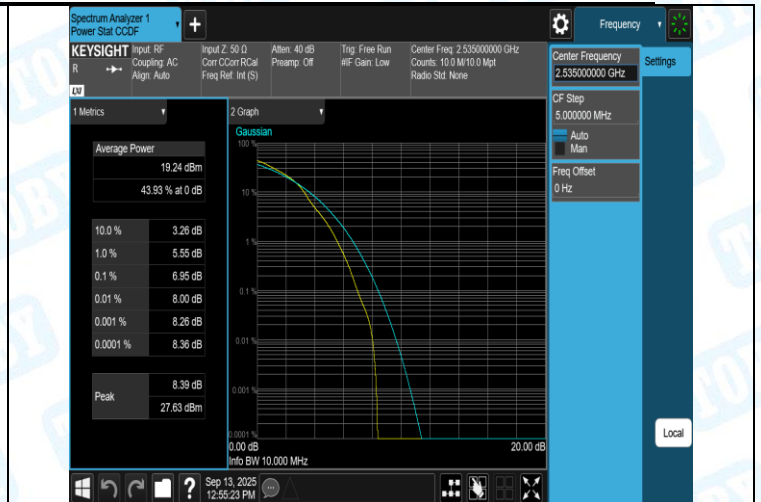
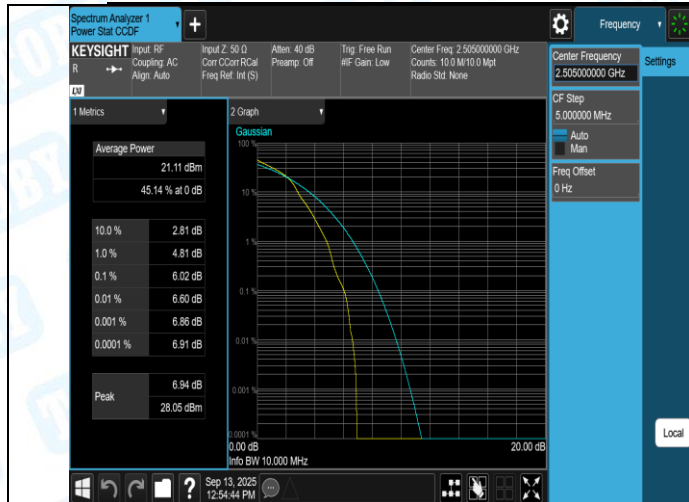


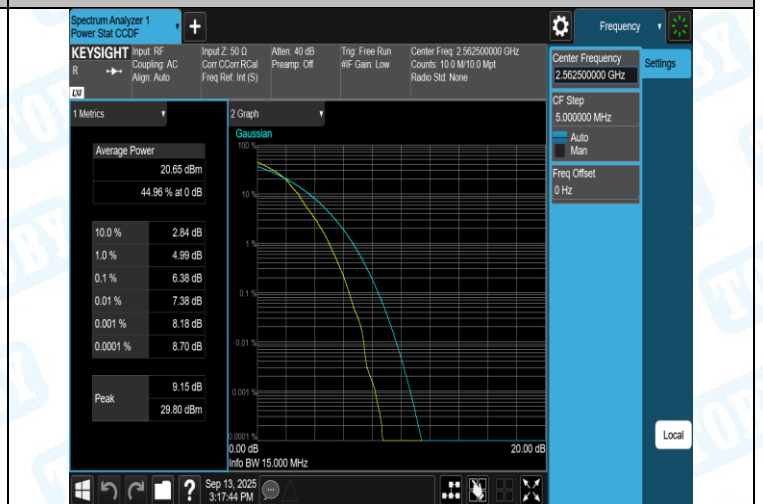
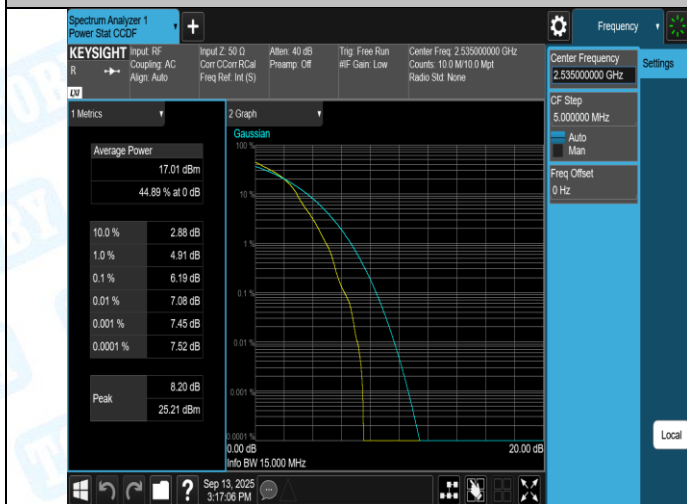
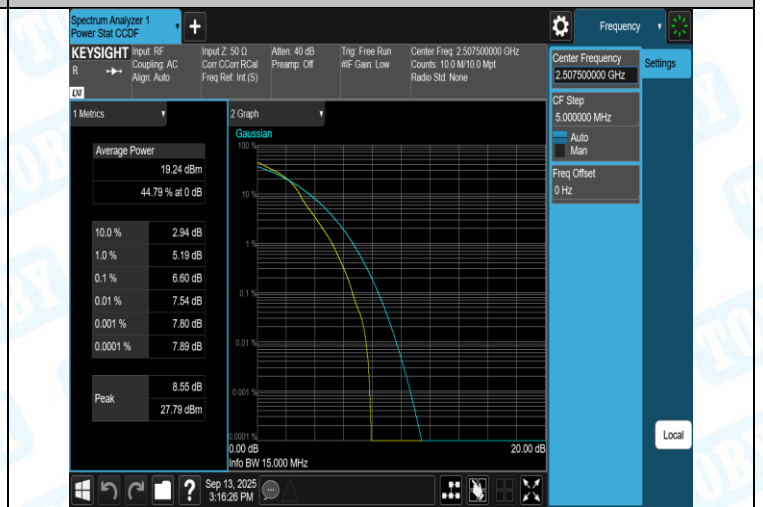
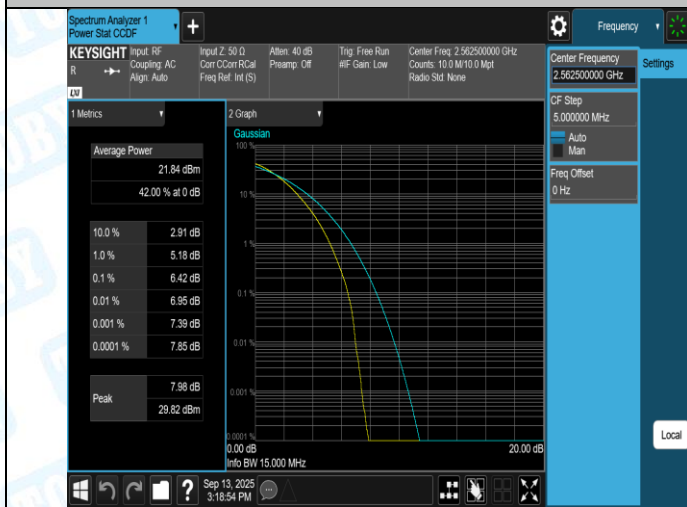
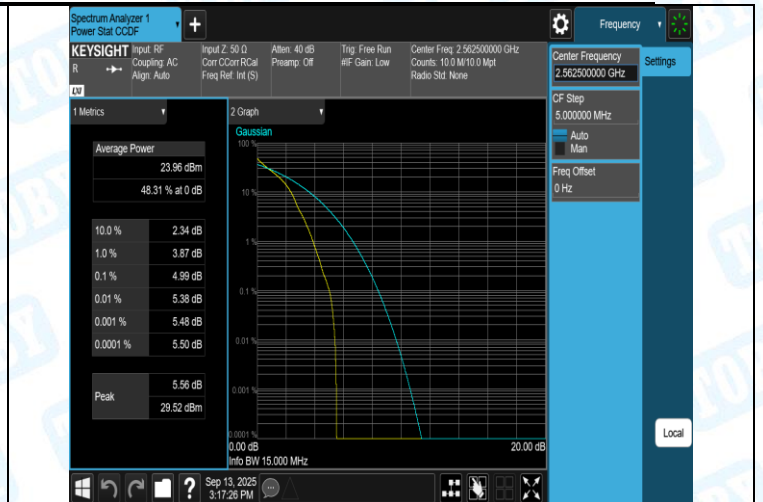
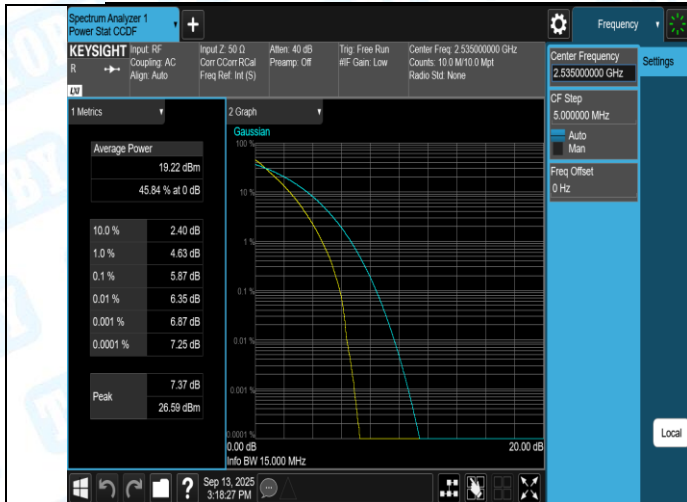
Band7-10MHz-QPSK-20800-1RB#0-PASS



Band7-10MHz-QPSK-20800-50RB#0-PASS

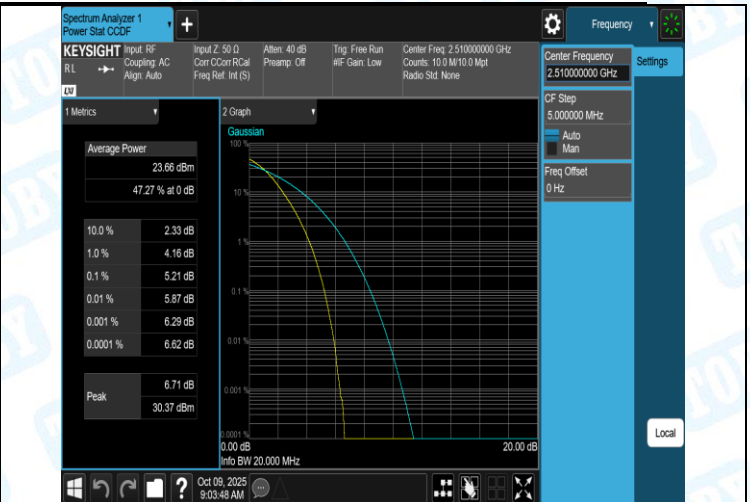




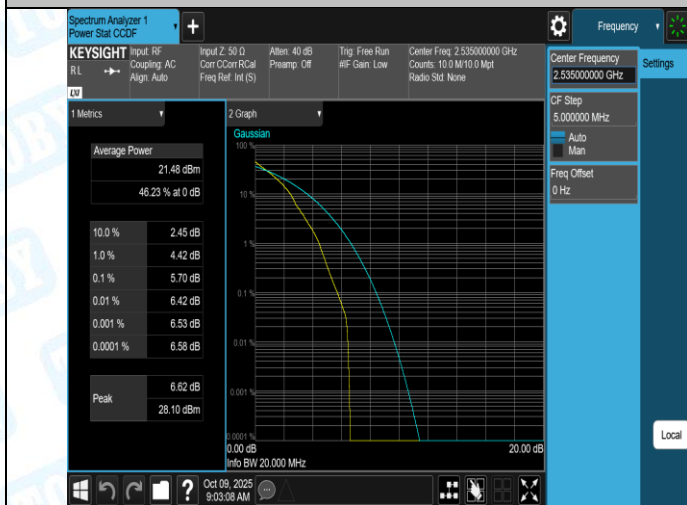




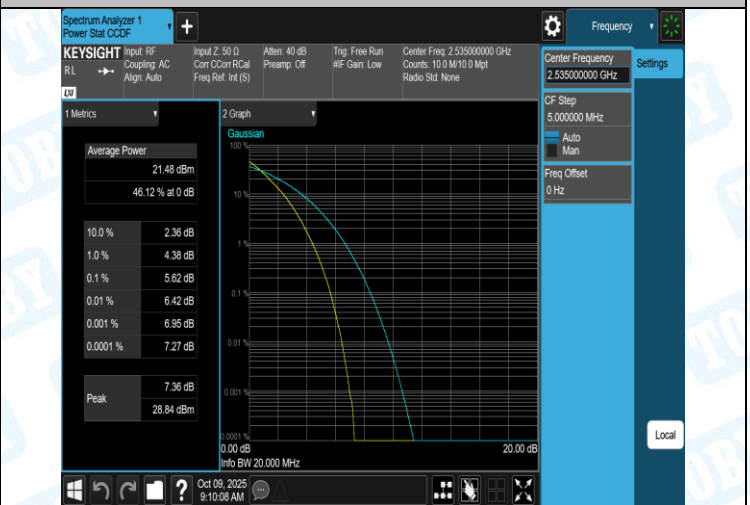
Band7-20MHz-QPSK-21100-1RB#0-PASS



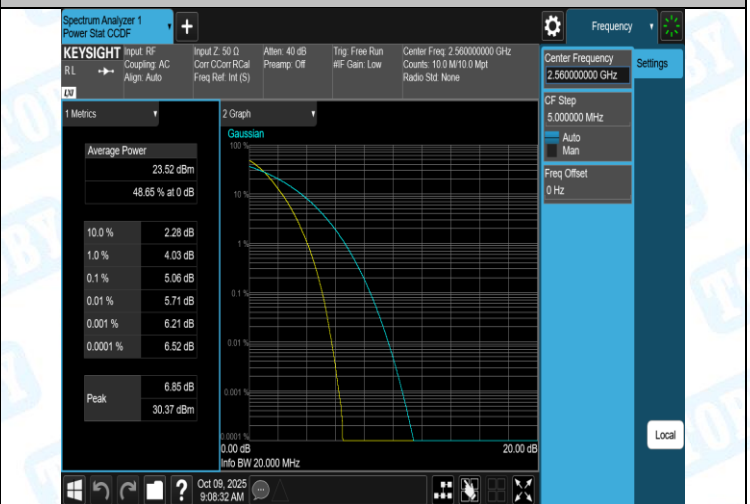
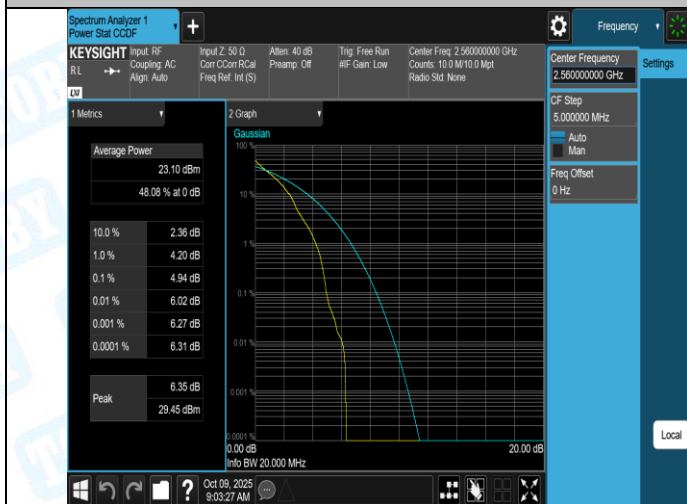
Band7-20MHz-QPSK-21100-100RB#0-PASS



Band7-20MHz-QPSK-21350-1RB#0-PASS



Band7-20MHz-QPSK-21350-100RB#0-PASS



3: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5181	5.111	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5056	5.021	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5154	5.102	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4980	5.090	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5040	5.031	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5246	5.051	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9271	9.938	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9391	9.983	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9470	9.933	PASS
Band7	10MHz	16QAM	20800	27RB#0	5.0140	6.040	PASS
Band7	10MHz	16QAM	21100	27RB#0	4.9605	6.075	PASS
Band7	10MHz	16QAM	21400	27RB#0	4.9552	6.191	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.345	14.85	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.445	15.10	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.410	15.03	PASS
Band7	15MHz	16QAM	20825	27RB#0	5.1396	6.643	PASS
Band7	15MHz	16QAM	21100	27RB#0	5.2077	6.595	PASS
Band7	15MHz	16QAM	21375	27RB#0	5.1322	6.475	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.872	19.30	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.908	19.45	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.928	19.58	PASS
Band7	20MHz	16QAM	20850	27RB#0	5.2068	6.379	PASS
Band7	20MHz	16QAM	21100	27RB#0	5.2313	6.477	PASS
Band7	20MHz	16QAM	21350	27RB#0	5.2454	6.408	PASS

Test Graphs

