

LTE Test Data

General Description of EUT	
Product Name:	GPS Tracker
Test Model:	C003
Sample ID:	HC-C-202510-0290-01-01#
Environmental Conditions	
Temperature:	22.0℃-25℃
Relative Humidity:	43%-55%
Test Voltage:	DC 12V
Test Engineer:	Gold Zhang
Note: For a more detailed features description, please refer to the report TBR-C-202510-0290-11 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	20.38	33	PASS
Band7	5MHz	QPSK	20775	1RB#12	20.08	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	19.71	33	PASS
Band7	5MHz	QPSK	20775	12RB#0	19.49	33	PASS
Band7	5MHz	QPSK	20775	12RB#6	19.30	33	PASS
Band7	5MHz	QPSK	20775	12RB#13	18.86	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	19.23	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	21.06	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	21.04	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	20.66	33	PASS
Band7	5MHz	QPSK	21100	12RB#0	20.06	33	PASS
Band7	5MHz	QPSK	21100	12RB#6	20.23	33	PASS
Band7	5MHz	QPSK	21100	12RB#13	20.14	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	19.77	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	19.67	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	19.52	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	19.68	33	PASS
Band7	5MHz	QPSK	21425	12RB#0	18.66	33	PASS
Band7	5MHz	QPSK	21425	12RB#6	18.87	33	PASS
Band7	5MHz	QPSK	21425	12RB#13	18.82	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	18.79	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	19.42	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	19.09	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	18.68	33	PASS
Band7	5MHz	16QAM	20775	12RB#0	18.05	33	PASS
Band7	5MHz	16QAM	20775	12RB#6	18.16	33	PASS
Band7	5MHz	16QAM	20775	12RB#13	17.75	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	18.07	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	20.05	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	20.14	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	19.76	33	PASS
Band7	5MHz	16QAM	21100	12RB#0	19.09	33	PASS
Band7	5MHz	16QAM	21100	12RB#6	19.28	33	PASS
Band7	5MHz	16QAM	21100	12RB#13	18.80	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	19.12	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	18.42	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	18.77	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	18.72	33	PASS
Band7	5MHz	16QAM	21425	12RB#0	17.68	33	PASS

Band7	5MHz	16QAM	21425	12RB#6	17.63	33	PASS
Band7	5MHz	16QAM	21425	12RB#13	17.91	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	17.85	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	20.17	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	19.45	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	18.90	33	PASS
Band7	10MHz	QPSK	20800	25RB#0	18.59	33	PASS
Band7	10MHz	QPSK	20800	25RB#12	18.56	33	PASS
Band7	10MHz	QPSK	20800	25RB#25	17.98	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	18.48	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	20.73	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	21.07	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	20.51	33	PASS
Band7	10MHz	QPSK	21100	25RB#0	19.84	33	PASS
Band7	10MHz	QPSK	21100	25RB#12	20.15	33	PASS
Band7	10MHz	QPSK	21100	25RB#25	19.59	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	19.94	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	18.53	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	19.41	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	19.67	33	PASS
Band7	10MHz	QPSK	21400	25RB#0	17.66	33	PASS
Band7	10MHz	QPSK	21400	25RB#12	18.31	33	PASS
Band7	10MHz	QPSK	21400	25RB#25	18.64	33	PASS
Band7	10MHz	QPSK	21400	50RB#0	18.24	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	19.72	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	18.54	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	17.87	33	PASS
Band7	10MHz	16QAM	20800	25RB#0	17.74	33	PASS
Band7	10MHz	16QAM	20800	25RB#12	17.47	33	PASS
Band7	10MHz	16QAM	20800	25RB#25	16.78	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	19.54	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	20.17	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	19.44	33	PASS
Band7	10MHz	16QAM	21100	25RB#0	18.83	33	PASS
Band7	10MHz	16QAM	21100	25RB#12	19.15	33	PASS
Band7	10MHz	16QAM	21100	25RB#25	19.02	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	17.15	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	18.02	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	18.72	33	PASS
Band7	10MHz	16QAM	21400	25RB#0	16.68	33	PASS
Band7	10MHz	16QAM	21400	25RB#12	17.18	33	PASS
Band7	10MHz	16QAM	21400	25RB#25	17.71	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	20.54	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	18.92	33	PASS

Band7	15MHz	QPSK	20825	1RB#74	18.80	33	PASS
Band7	15MHz	QPSK	20825	36RB#0	18.53	33	PASS
Band7	15MHz	QPSK	20825	36RB#18	18.27	33	PASS
Band7	15MHz	QPSK	20825	36RB#39	17.77	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	18.29	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	20.36	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	21.17	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	20.01	33	PASS
Band7	15MHz	QPSK	21100	36RB#0	19.76	33	PASS
Band7	15MHz	QPSK	21100	36RB#18	20.18	33	PASS
Band7	15MHz	QPSK	21100	36RB#39	19.99	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	19.97	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	18.23	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	19.04	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	19.73	33	PASS
Band7	15MHz	QPSK	21375	36RB#0	17.19	33	PASS
Band7	15MHz	QPSK	21375	36RB#18	17.58	33	PASS
Band7	15MHz	QPSK	21375	36RB#39	18.40	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	17.83	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	19.61	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	18.15	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	17.75	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	19.38	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	20.05	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	19.59	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	16.88	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	17.85	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	18.43	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	20.49	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	18.85	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	18.98	33	PASS
Band7	20MHz	QPSK	20850	50RB#0	18.46	33	PASS
Band7	20MHz	QPSK	20850	50RB#25	17.95	33	PASS
Band7	20MHz	QPSK	20850	50RB#50	17.68	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.04	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	20.08	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	21.14	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	20.00	33	PASS
Band7	20MHz	QPSK	21100	50RB#0	19.54	33	PASS
Band7	20MHz	QPSK	21100	50RB#25	20.14	33	PASS
Band7	20MHz	QPSK	21100	50RB#50	19.77	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	19.78	33	PASS
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Band7	20MHz	QPSK	21350	1RB#49	18.57	33	PASS

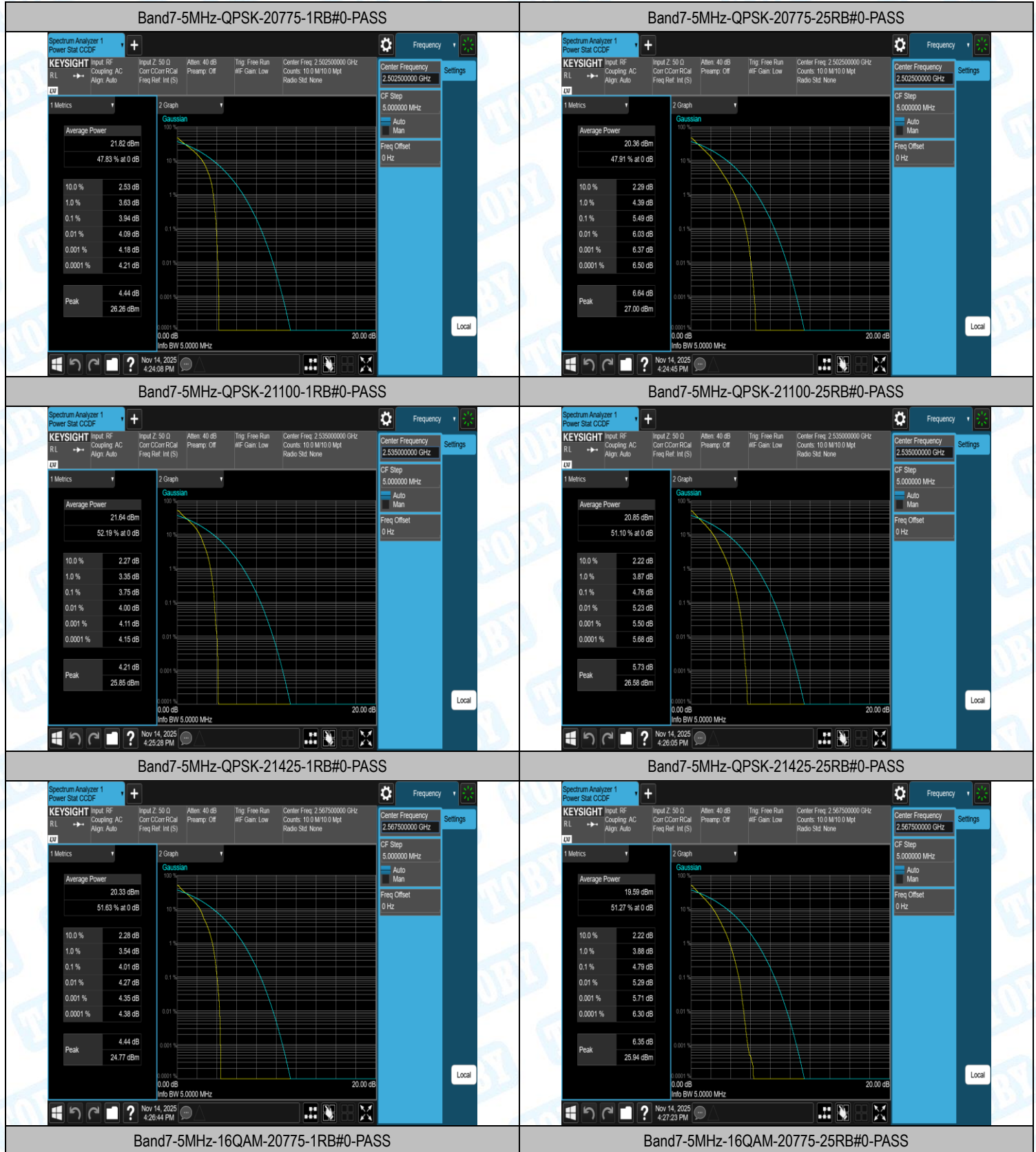
Band7	20MHz	QPSK	21350	1RB#99	19.61	33	PASS
Band7	20MHz	QPSK	21350	50RB#0	16.96	33	PASS
Band7	20MHz	QPSK	21350	50RB#25	17.40	33	PASS
Band7	20MHz	QPSK	21350	50RB#50	18.20	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.58	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	19.48	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	17.70	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	17.88	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	18.94	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	20.17	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	18.61	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	17.26	33	PASS
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Band7	20MHz	16QAM	21350	1RB#99	18.81	33	PASS

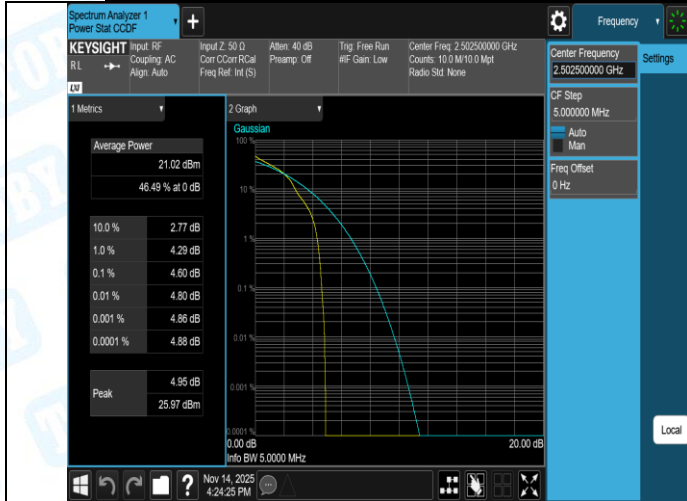
2: Peak-to-Average Ratio(CCDF)

Test Result

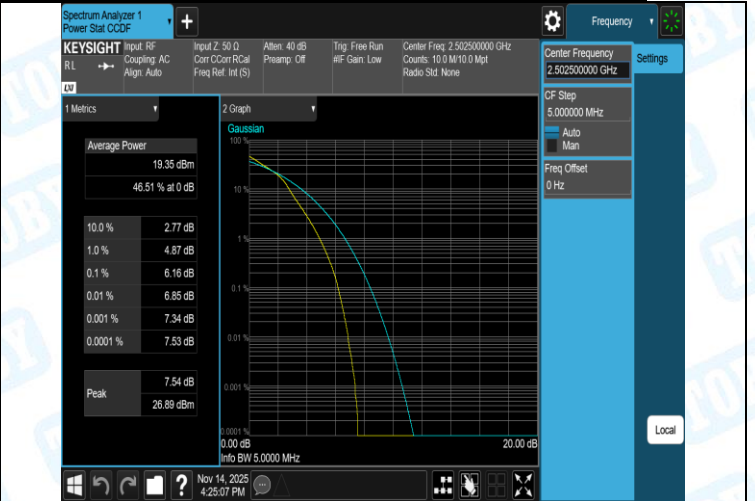
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	3.94	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.49	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	3.75	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.76	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	4.01	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.79	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	4.60	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.16	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	4.47	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.45	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	4.81	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.51	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	3.92	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.66	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	4.12	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.80	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	5.52	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.15	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	4.68	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	4.96	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	6.33	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	3.95	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	6.14	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.70	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.01	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	5.80	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.68	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	4.91	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.76	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	6.63	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	3.95	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.86	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	5.39	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.86	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	5.70	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.50	13	PASS

Test Graphs

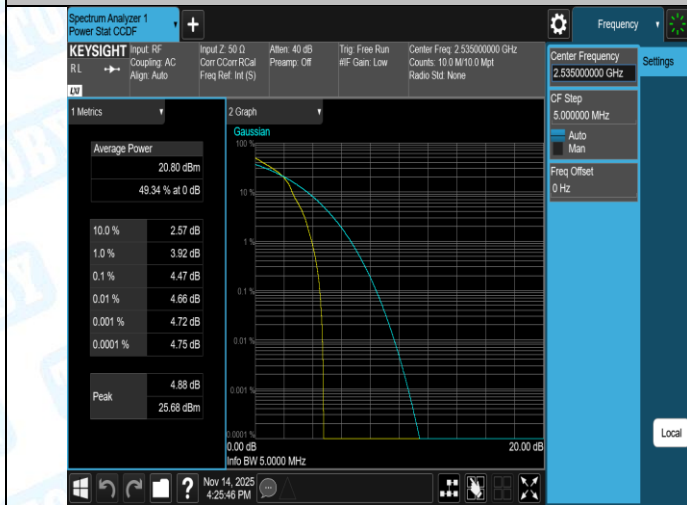




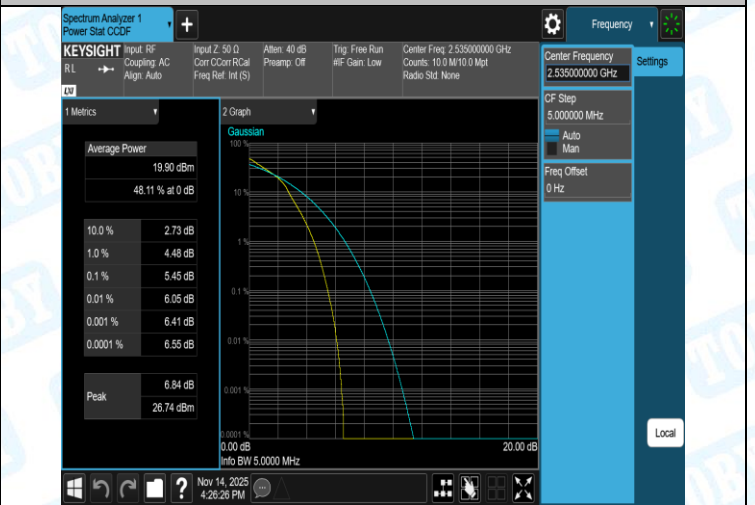
Band7-5MHz-16QAM-21100-1RB#0-PASS



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



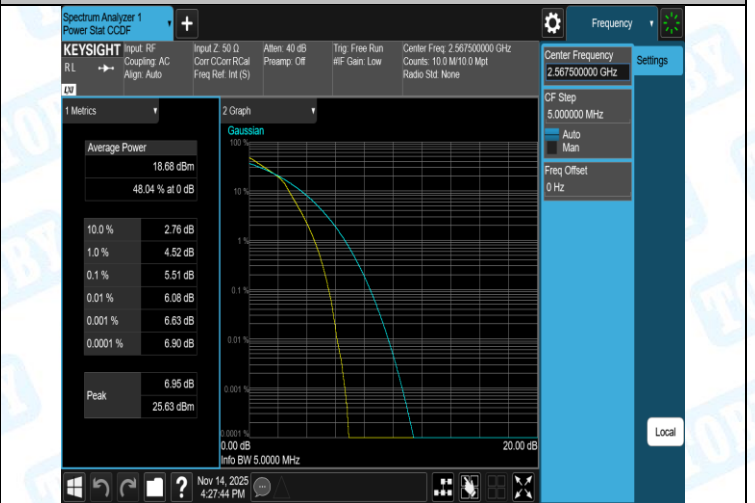
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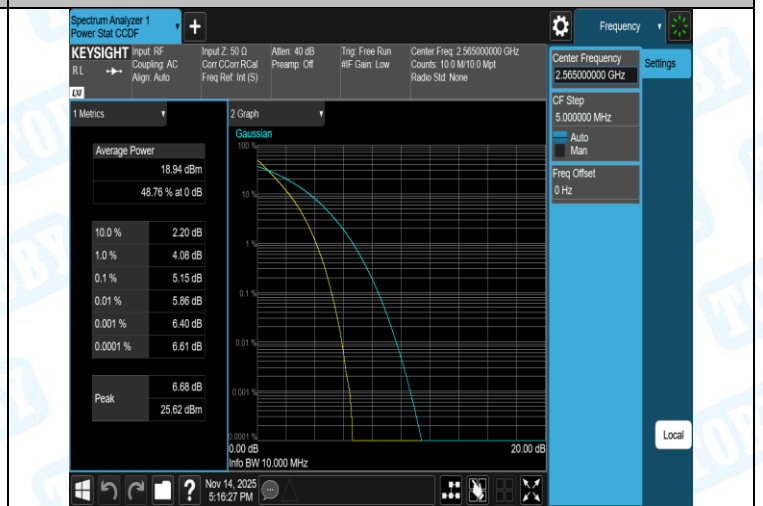
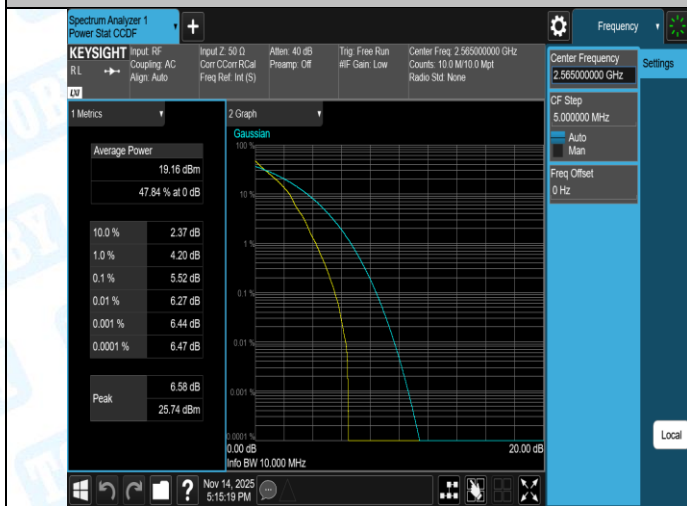
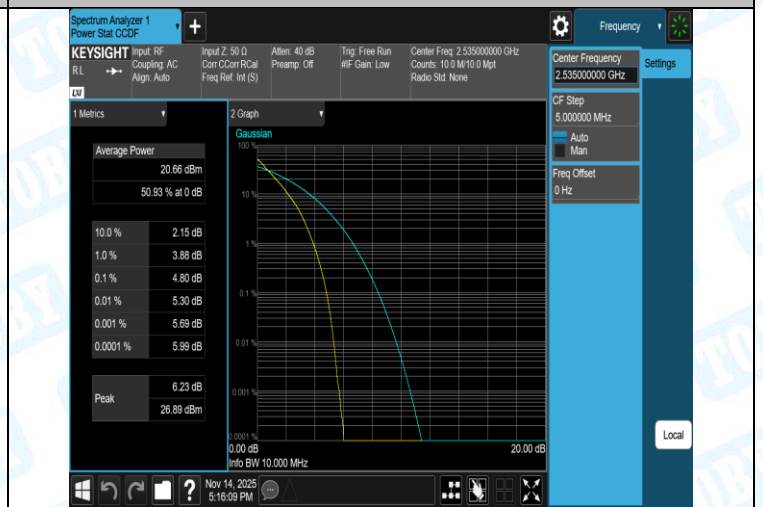
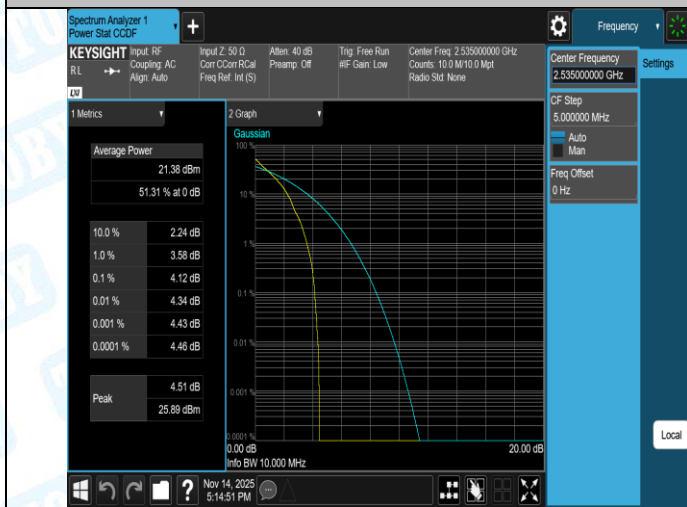
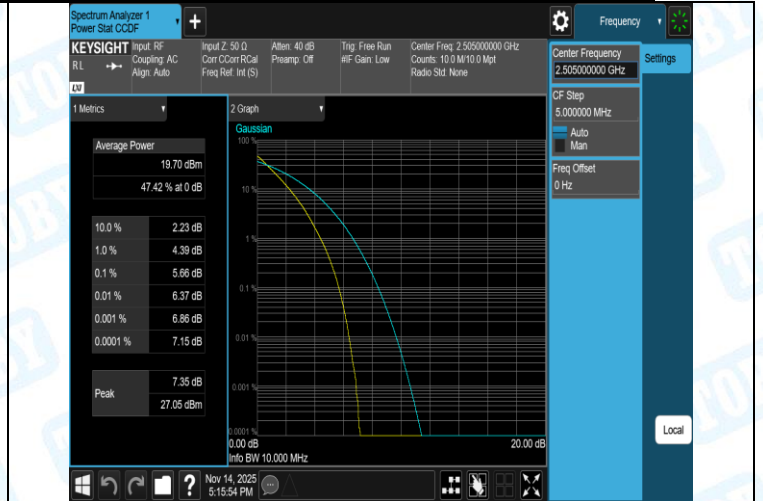
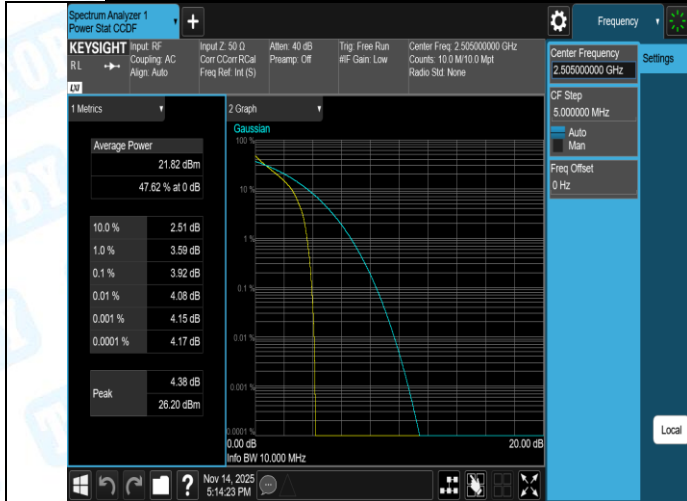
Band7-5MHz-16QAM-21425-25RB#0-PASS

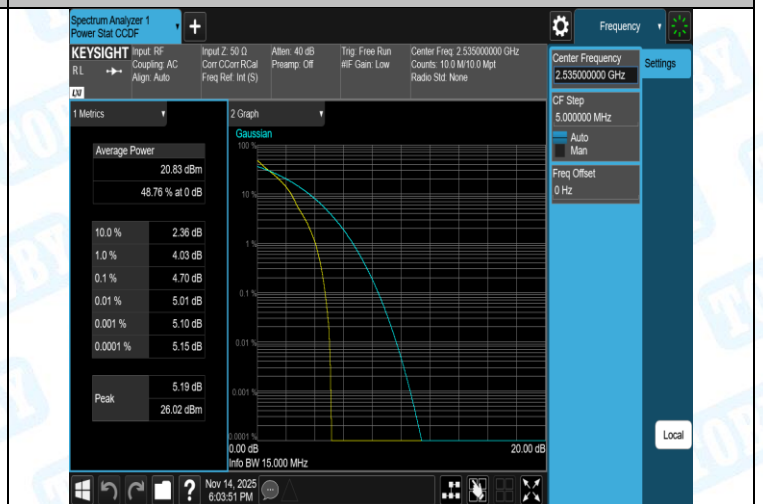
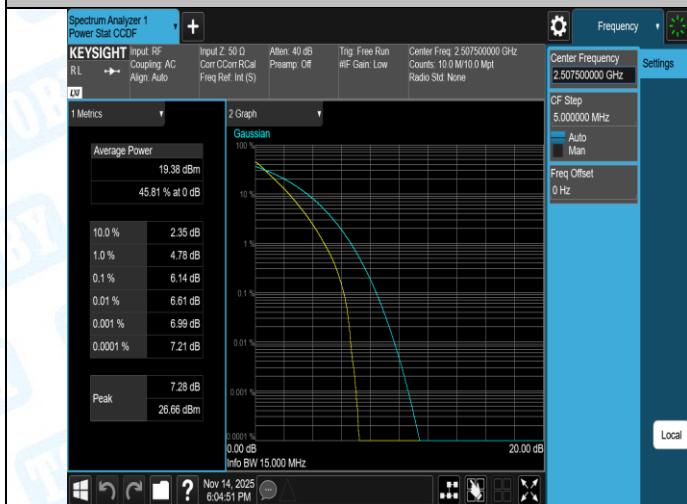
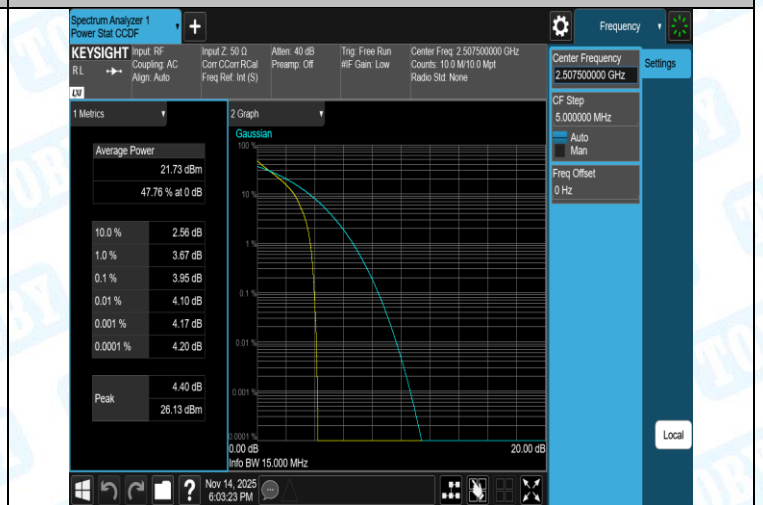
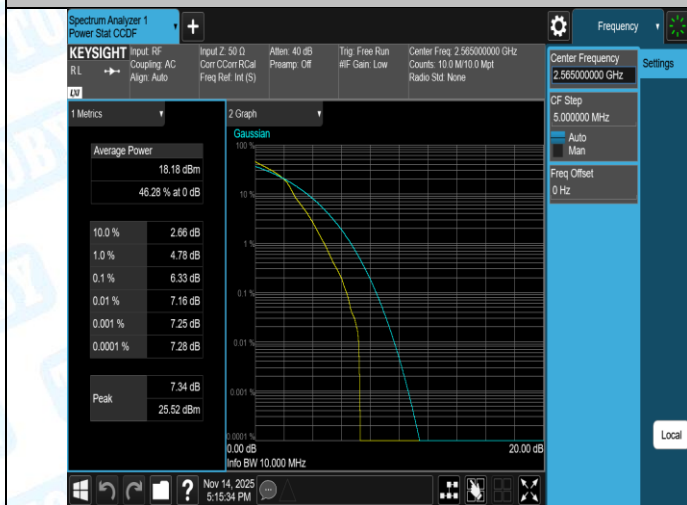
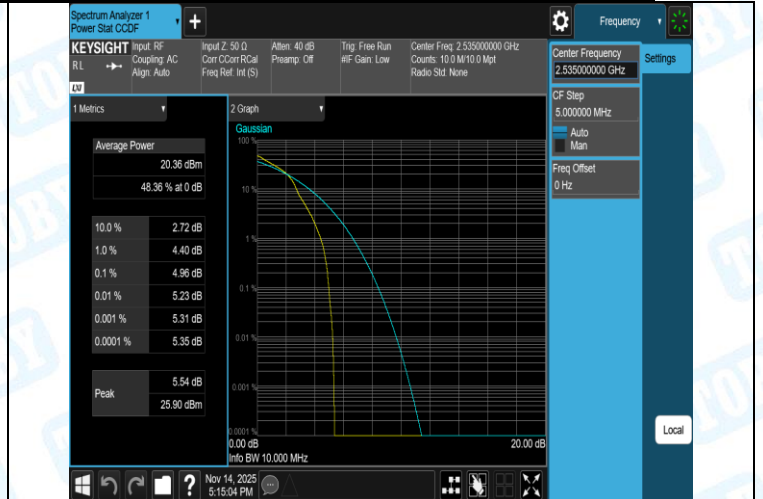
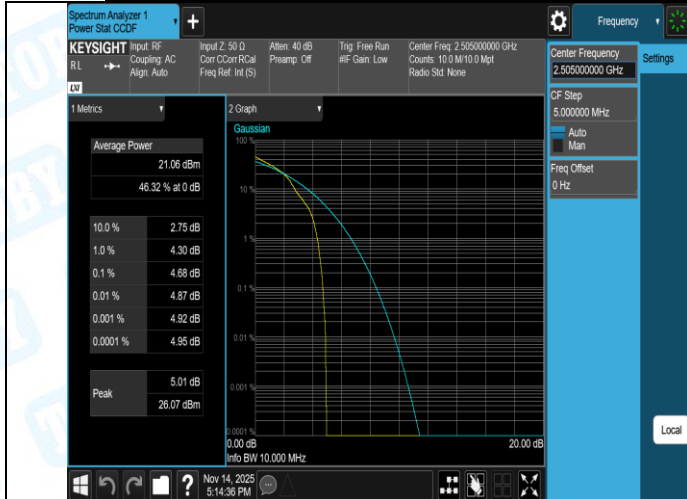


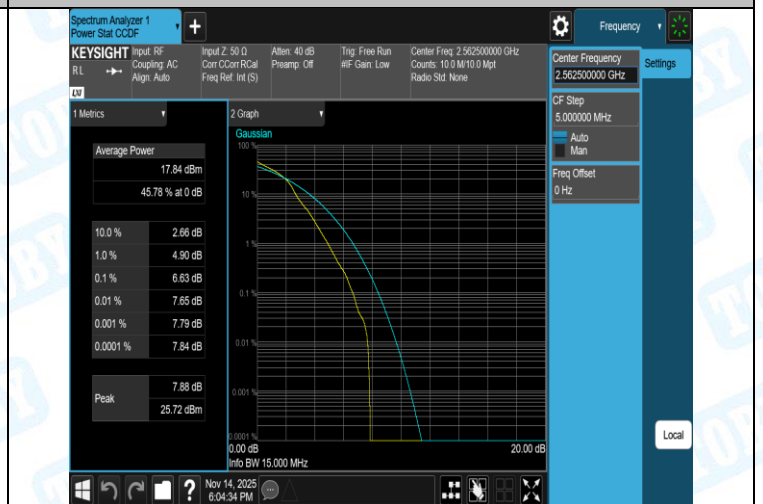
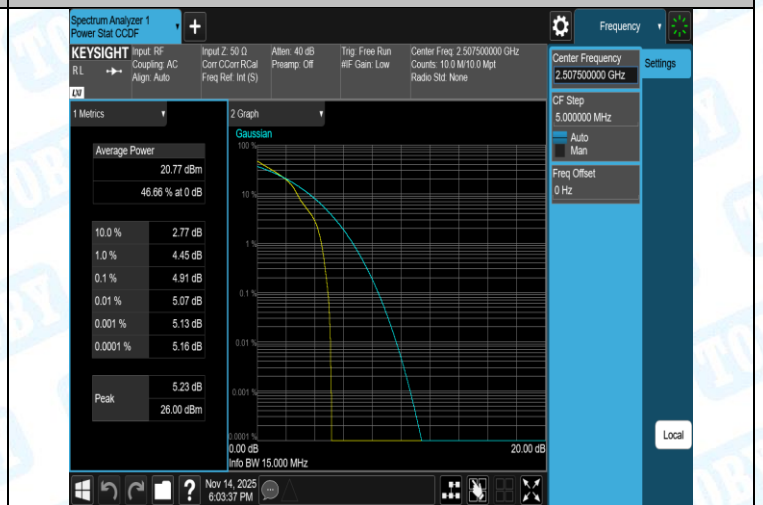
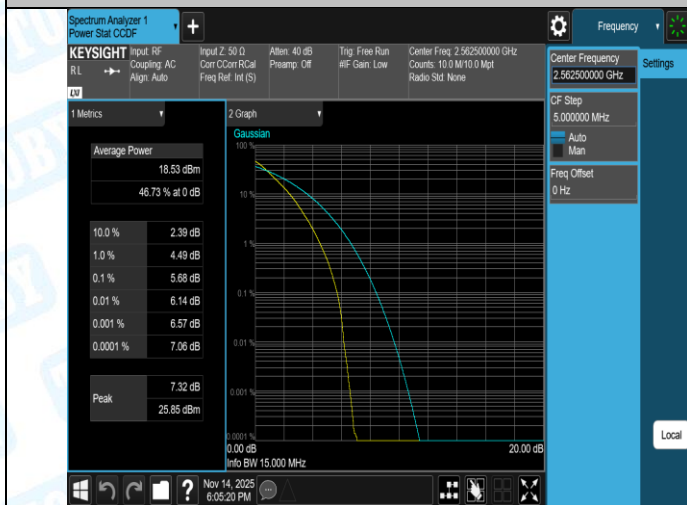
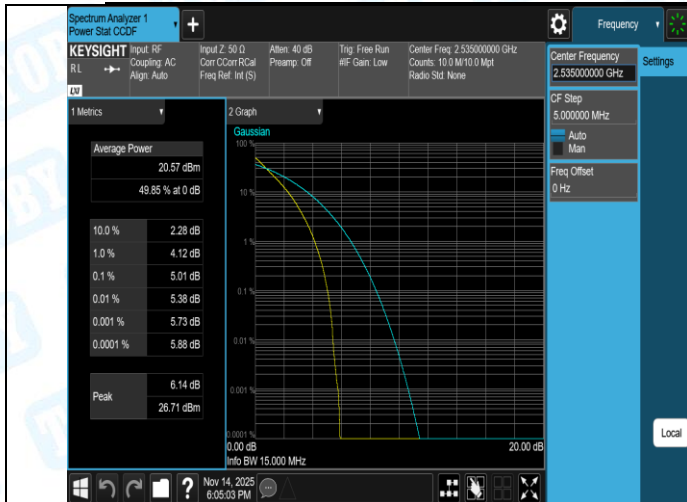
Band7-10MHz-QPSK-20800-1RB#0-PASS

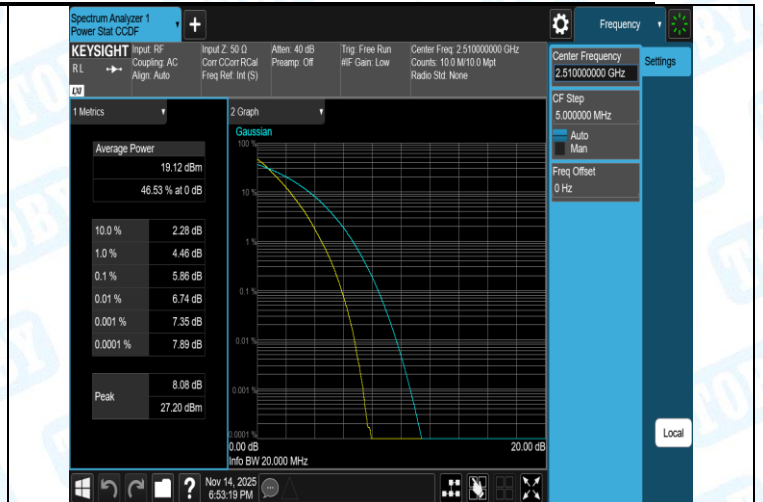
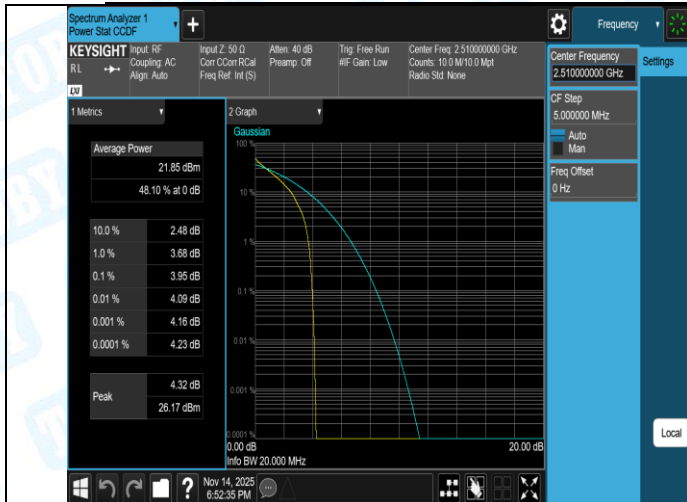


Band7-10MHz-QPSK-20800-50RB#0-PASS



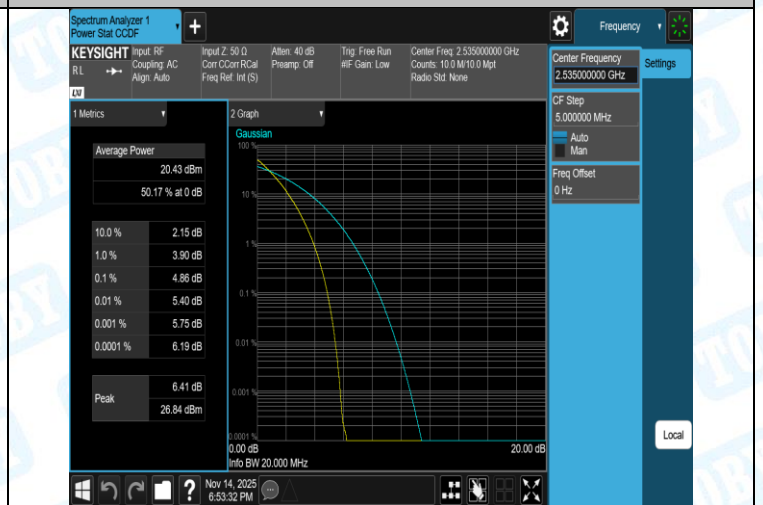
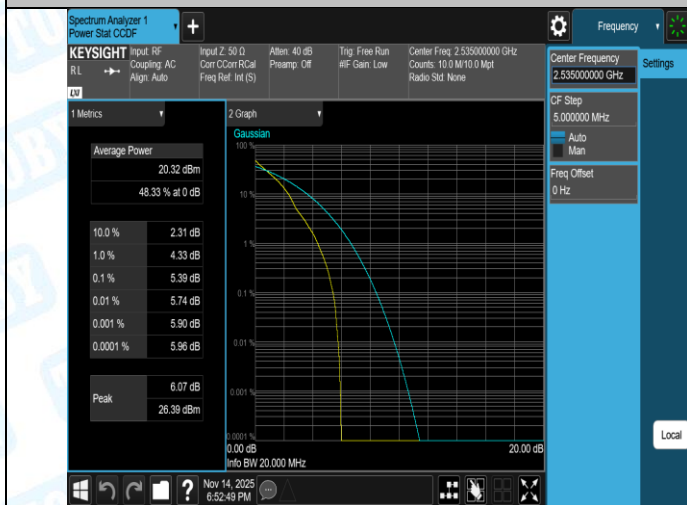






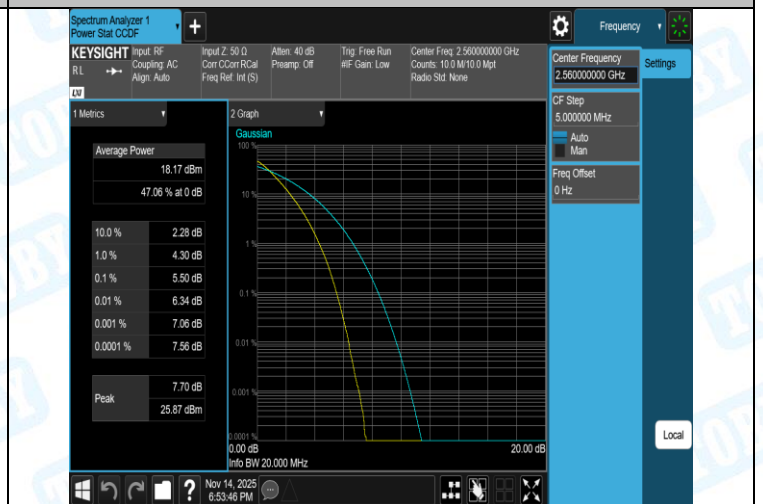
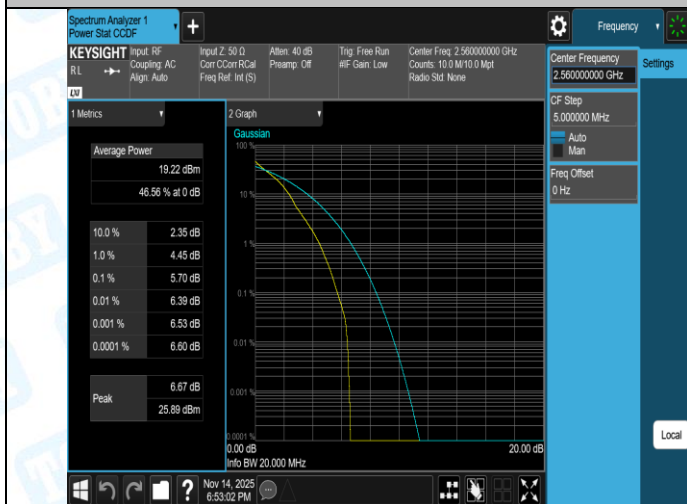
Band7-20MHz-QPSK-21100-1RB#0-PASS

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



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

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

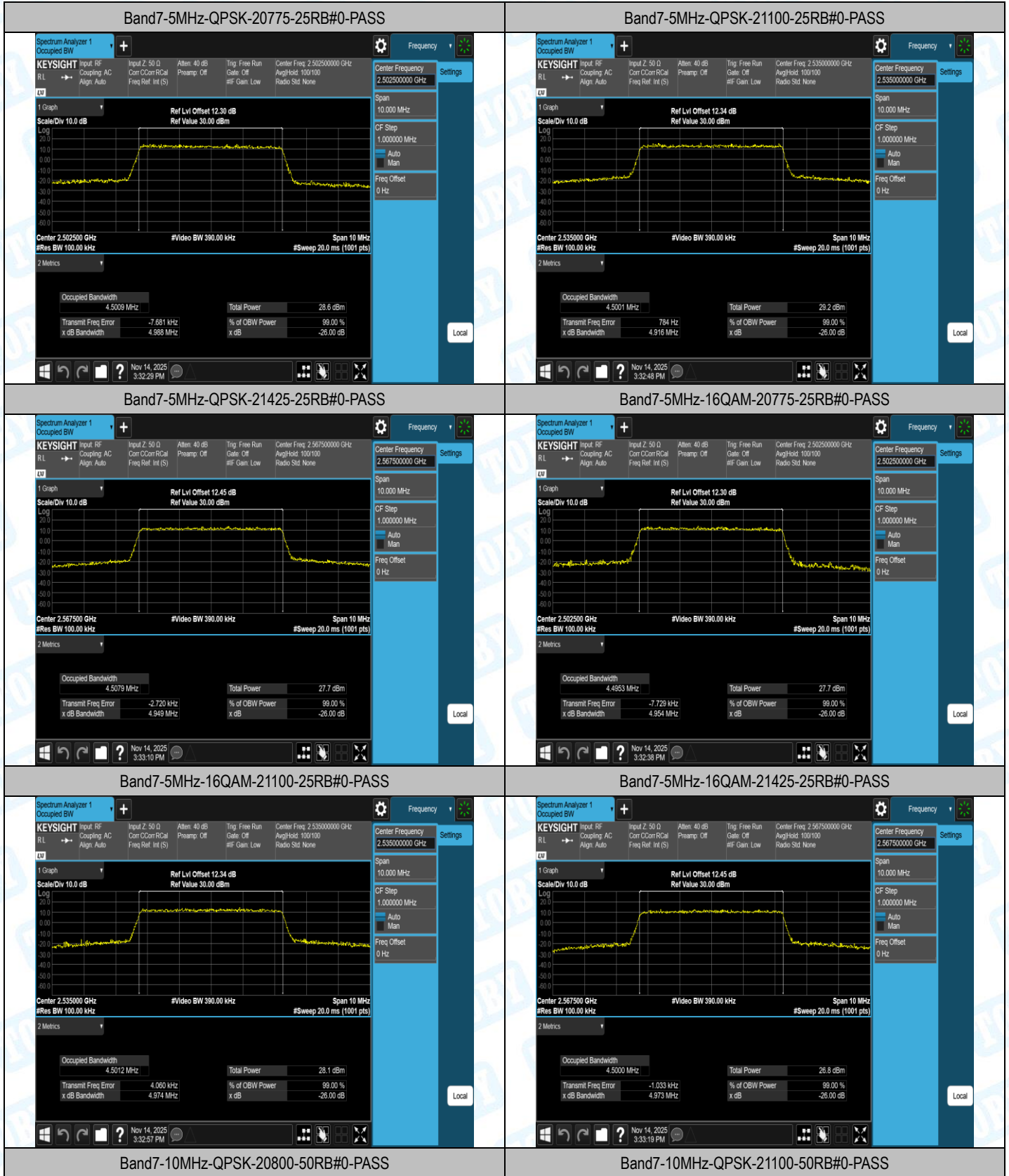


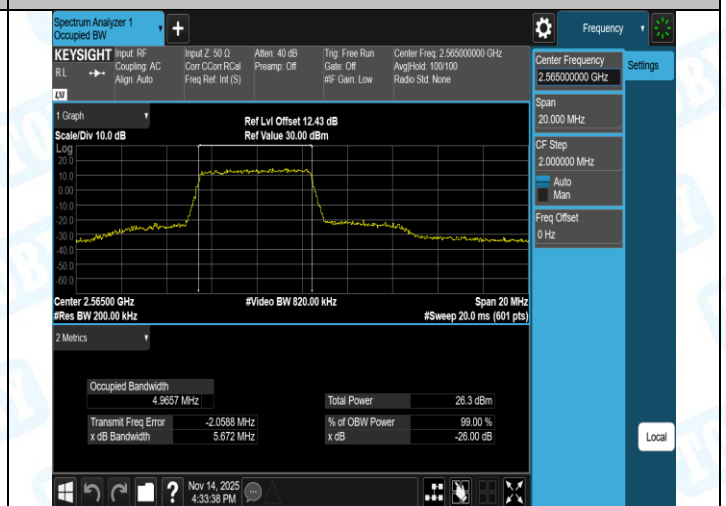
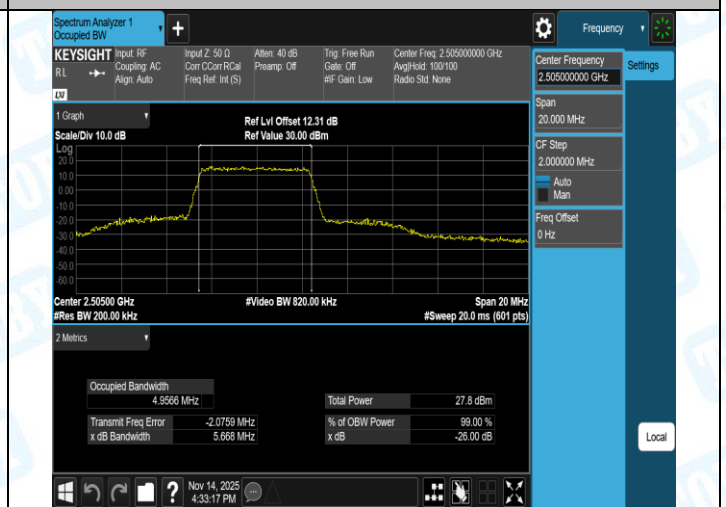
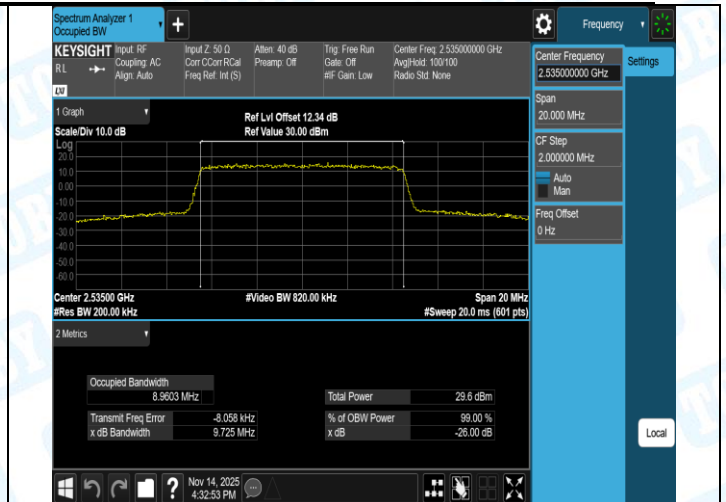
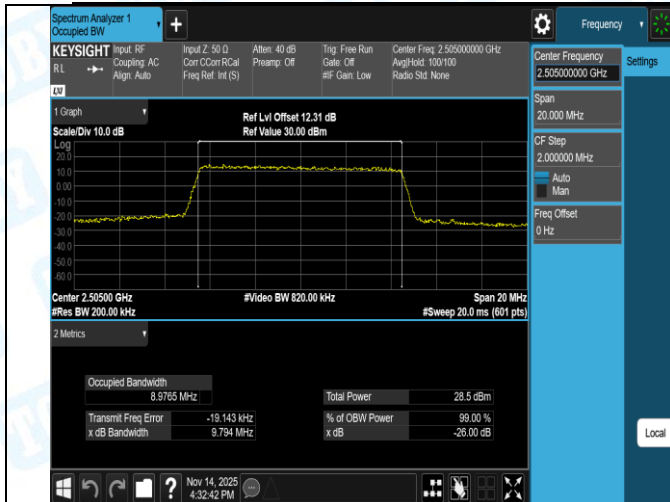
3: 26dB Bandwidth and Occupied Bandwidth

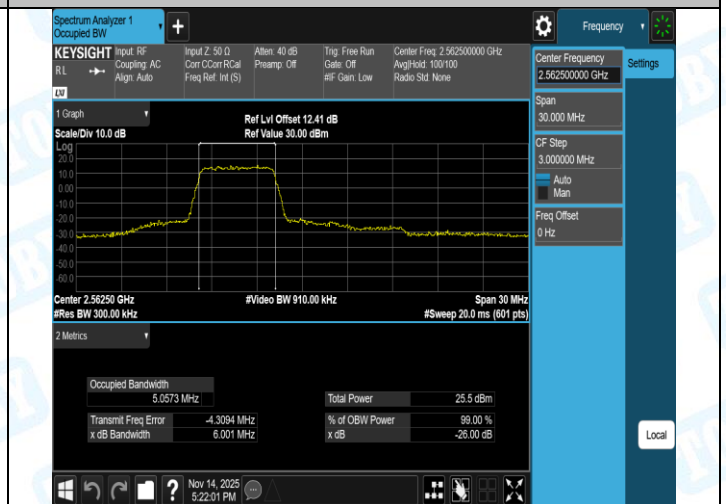
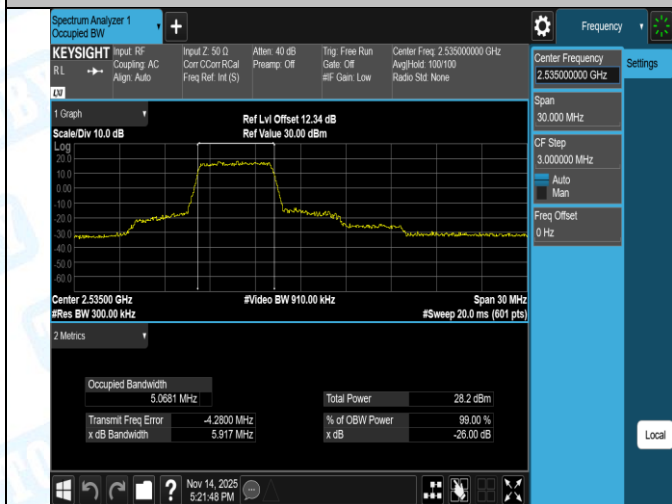
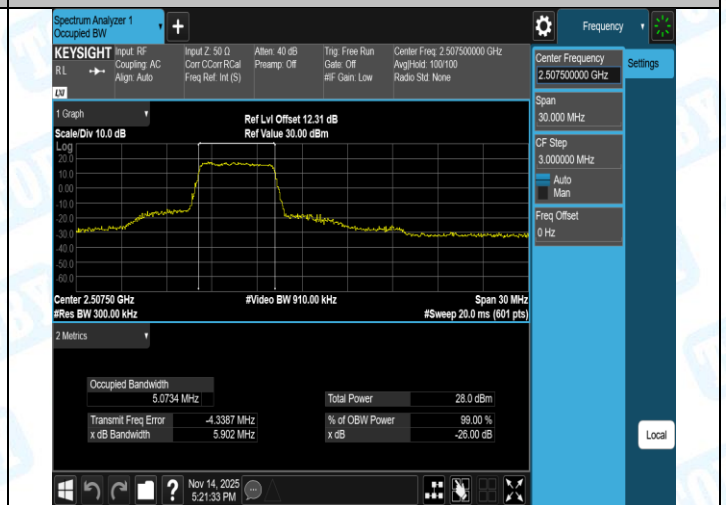
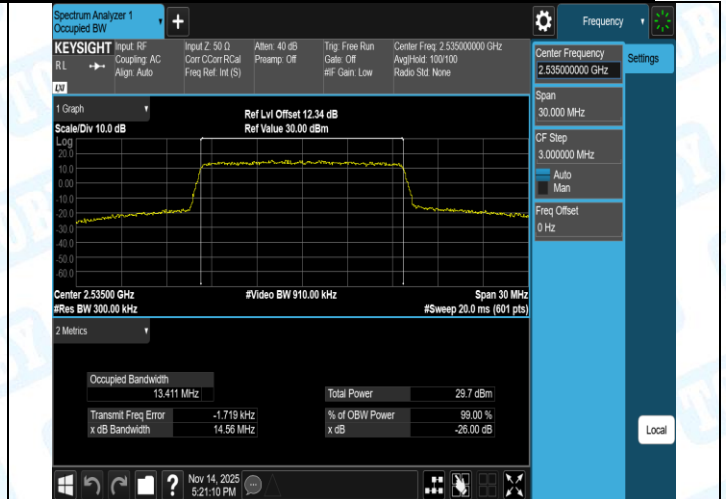
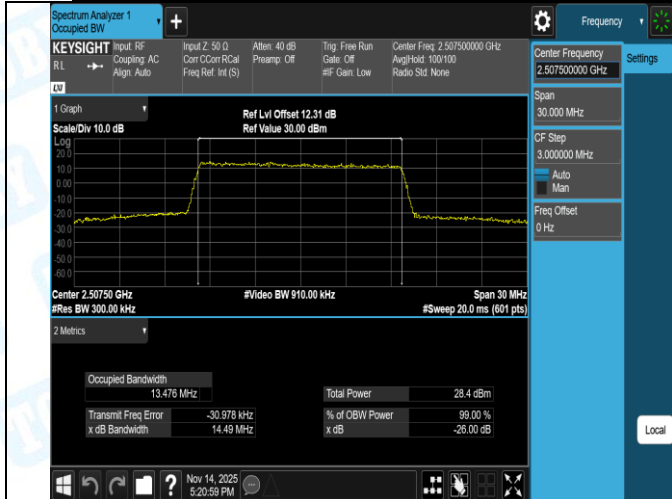
Test Result

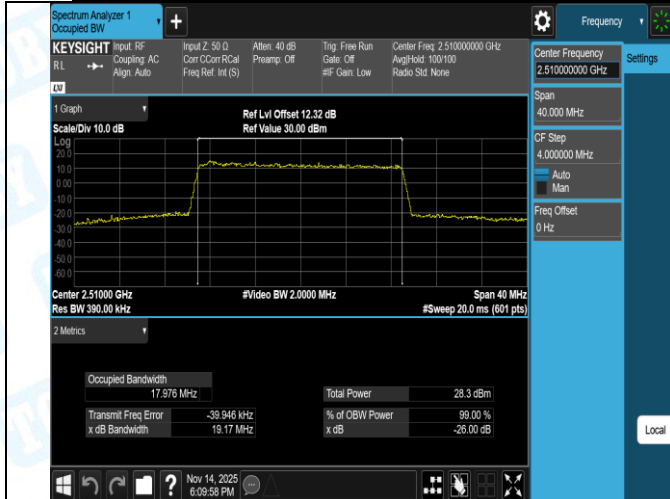
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5009	4.988	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5001	4.916	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5079	4.949	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4953	4.954	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5012	4.974	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5000	4.973	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9765	9.794	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9603	9.725	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9564	9.744	PASS
Band7	10MHz	16QAM	20800	27RB#0	4.9566	5.668	PASS
Band7	10MHz	16QAM	21100	27RB#0	4.9611	5.744	PASS
Band7	10MHz	16QAM	21400	27RB#0	4.9657	5.672	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.476	14.49	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.411	14.56	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.421	14.51	PASS
Band7	15MHz	16QAM	20825	27RB#0	5.0734	5.902	PASS
Band7	15MHz	16QAM	21100	27RB#0	5.0681	5.917	PASS
Band7	15MHz	16QAM	21375	27RB#0	5.0573	6.001	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.976	19.17	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.865	19.25	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.909	19.13	PASS
Band7	20MHz	16QAM	20850	27RB#0	5.1974	6.083	PASS
Band7	20MHz	16QAM	21100	27RB#0	5.1686	6.085	PASS
Band7	20MHz	16QAM	21350	27RB#0	5.1554	6.061	PASS

Test Graphs

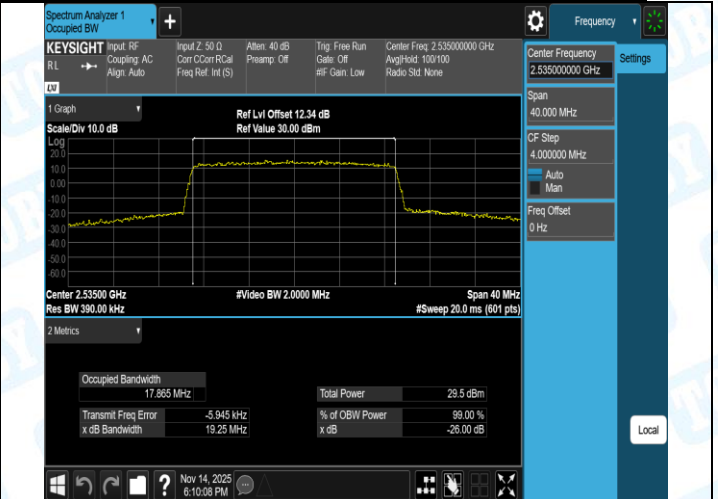




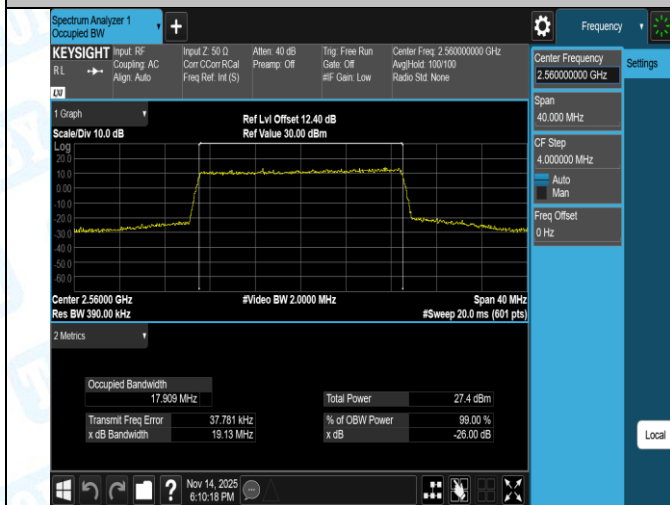




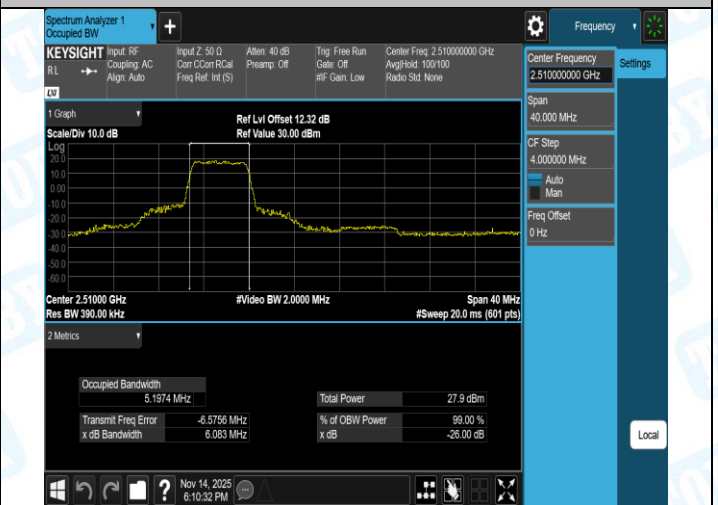
Band7-20MHz-QPSK-21350-100RB#0-PASS



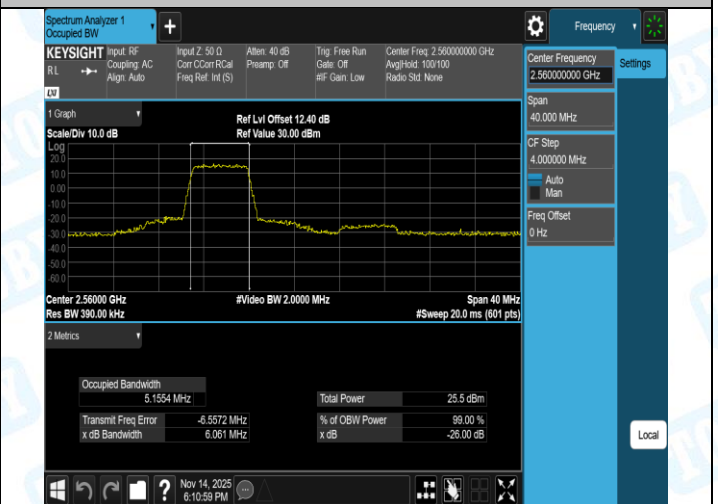
Band7-20MHz-16QAM-20850-27RB#0-PASS



Band7-20MHz-16QAM-21100-27RB#0-PASS



Band7-20MHz-16QAM-21350-27RB#0-PASS



4: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Level_dBm	Margin	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-23.91	13.91	PASS
Band7	5MHz	QPSK	20775	1RB#24	-44.40	19.40	PASS
Band7	5MHz	QPSK	20775	25RB#0	-23.18	13.18	PASS
Band7	5MHz	QPSK	21425	1RB#0	-43.40	18.40	PASS
Band7	5MHz	QPSK	21425	1RB#24	-25.63	15.63	PASS
Band7	5MHz	QPSK	21425	25RB#0	-22.57	12.57	PASS
Band7	5MHz	16QAM	20775	1RB#0	-27.42	17.42	PASS
Band7	5MHz	16QAM	20775	1RB#24	-44.40	19.40	PASS
Band7	5MHz	16QAM	20775	25RB#0	-24.29	14.29	PASS
Band7	5MHz	16QAM	21425	1RB#0	-43.41	18.41	PASS
Band7	5MHz	16QAM	21425	1RB#24	-26.60	16.60	PASS
Band7	5MHz	16QAM	21425	25RB#0	-25.14	15.14	PASS
Band7	10MHz	QPSK	20800	1RB#0	-44.12	19.12	PASS
Band7	10MHz	QPSK	20800	1RB#49	-44.35	19.35	PASS
Band7	10MHz	QPSK	20800	50RB#0	-39.14	14.14	PASS
Band7	10MHz	QPSK	21400	1RB#0	-43.45	18.45	PASS
Band7	10MHz	QPSK	21400	1RB#49	-43.43	18.43	PASS
Band7	10MHz	QPSK	21400	50RB#0	-26.19	16.19	PASS
Band7	10MHz	16QAM	20800	1RB#0	-44.24	19.24	PASS
Band7	10MHz	16QAM	20800	1RB#49	-44.37	19.37	PASS
Band7	10MHz	16QAM	21400	1RB#0	-43.43	18.43	PASS
Band7	10MHz	16QAM	21400	1RB#49	-43.39	18.39	PASS
Band7	15MHz	QPSK	20825	1RB#0	-43.68	18.68	PASS
Band7	15MHz	QPSK	20825	1RB#74	-37.78	12.78	PASS
Band7	15MHz	QPSK	20825	75RB#0	-34.25	9.25	PASS
Band7	15MHz	QPSK	21375	1RB#0	-43.52	18.52	PASS
Band7	15MHz	QPSK	21375	1RB#74	-43.47	18.47	PASS
Band7	15MHz	QPSK	21375	75RB#0	-27.57	17.57	PASS
Band7	15MHz	16QAM	20825	1RB#0	-43.56	18.56	PASS
Band7	15MHz	16QAM	20825	1RB#74	-38.59	13.59	PASS
Band7	15MHz	16QAM	21375	1RB#0	-43.51	18.51	PASS
Band7	15MHz	16QAM	21375	1RB#74	-43.49	18.49	PASS
Band7	20MHz	QPSK	20850	1RB#0	-44.10	19.10	PASS
Band7	20MHz	QPSK	20850	1RB#99	-44.33	19.33	PASS
Band7	20MHz	QPSK	20850	100RB#0	-36.00	11.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	-43.54	18.54	PASS
Band7	20MHz	QPSK	21350	1RB#99	-43.53	18.53	PASS
Band7	20MHz	QPSK	21350	100RB#0	-43.09	18.09	PASS
Band7	20MHz	16QAM	20850	1RB#0	-44.14	19.14	PASS

Band7	20MHz	16QAM	20850	1RB#99	-44.34	19.34	PASS
Band7	20MHz	16QAM	21350	1RB#0	-43.50	18.50	PASS
Band7	20MHz	16QAM	21350	1RB#99	-43.52	18.52	PASS

Test Graphs

