

LTE Band 7 Test Data

General Description of EUT	
EUT Name:	Tractive Dog 6 XL
Model:	TG6XLC
Sample ID:	HC-C-202512-0263-01-01#
Environmental Conditions	
Temperature:	22.0℃-25℃
Relative Humidity:	43%-55%
Test Voltage:	DC 3.87V
Test Engineer:	Lily Zhang
Note: For a more detailed features description, please refer to the report TBR-C-202512-0263-151 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	19.11	33	PASS
Band7	5MHz	QPSK	20775	1RB#12	19.39	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	19.75	33	PASS
Band7	5MHz	QPSK	20775	12RB#0	19.33	33	PASS
Band7	5MHz	QPSK	20775	12RB#6	19.47	33	PASS
Band7	5MHz	QPSK	20775	12RB#13	19.72	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	19.56	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	18.56	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	18.60	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	18.49	33	PASS
Band7	5MHz	QPSK	21100	12RB#0	18.59	33	PASS
Band7	5MHz	QPSK	21100	12RB#6	18.67	33	PASS
Band7	5MHz	QPSK	21100	12RB#13	18.58	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	18.57	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	20.67	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	19.85	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	19.19	33	PASS
Band7	5MHz	QPSK	21425	12RB#0	20.31	33	PASS
Band7	5MHz	QPSK	21425	12RB#6	19.99	33	PASS
Band7	5MHz	QPSK	21425	12RB#13	19.53	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	19.94	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	19.19	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	19.19	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	19.77	33	PASS
Band7	5MHz	16QAM	20775	12RB#0	19.42	33	PASS
Band7	5MHz	16QAM	20775	12RB#6	19.41	33	PASS
Band7	5MHz	16QAM	20775	12RB#13	19.72	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	19.58	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	18.30	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	18.32	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	18.31	33	PASS
Band7	5MHz	16QAM	21100	12RB#0	18.76	33	PASS
Band7	5MHz	16QAM	21100	12RB#6	18.60	33	PASS
Band7	5MHz	16QAM	21100	12RB#13	18.65	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	18.55	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	20.29	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	19.64	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	19.06	33	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.40	33	PASS
Band7	5MHz	16QAM	21425	12RB#6	19.92	33	PASS

Band7	5MHz	16QAM	21425	12RB#13	19.62	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	19.90	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	18.19	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	18.98	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	19.27	33	PASS
Band7	10MHz	QPSK	20800	25RB#0	19.00	33	PASS
Band7	10MHz	QPSK	20800	25RB#12	19.54	33	PASS
Band7	10MHz	QPSK	20800	25RB#25	20.02	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	19.76	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	17.61	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	18.70	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	17.31	33	PASS
Band7	10MHz	QPSK	21100	25RB#0	18.63	33	PASS
Band7	10MHz	QPSK	21100	25RB#12	18.56	33	PASS
Band7	10MHz	QPSK	21100	25RB#25	18.42	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	18.36	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	20.54	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	20.81	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	18.17	33	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.25	33	PASS
Band7	10MHz	QPSK	21400	25RB#12	20.77	33	PASS
Band7	10MHz	QPSK	21400	25RB#25	20.00	33	PASS
Band7	10MHz	QPSK	21400	50RB#0	20.58	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	18.44	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	19.04	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	19.30	33	PASS
Band7	10MHz	16QAM	20800	25RB#0	19.15	33	PASS
Band7	10MHz	16QAM	20800	25RB#12	19.59	33	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.16	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	17.63	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	18.34	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	17.31	33	PASS
Band7	10MHz	16QAM	21100	25RB#0	18.60	33	PASS
Band7	10MHz	16QAM	21100	25RB#12	18.59	33	PASS
Band7	10MHz	16QAM	21100	25RB#25	18.44	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	20.83	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	20.80	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	18.34	33	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.30	33	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.83	33	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.02	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	18.08	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	20.81	33	PASS
Band7	15MHz	QPSK	20825	1RB#74	21.09	33	PASS

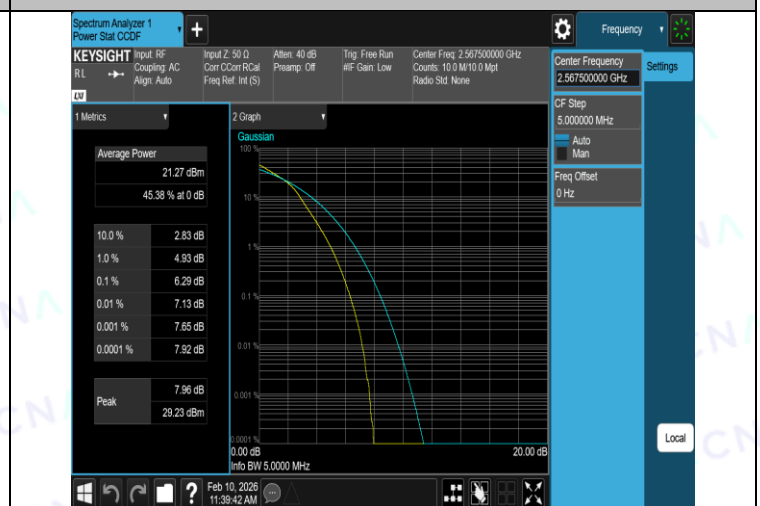
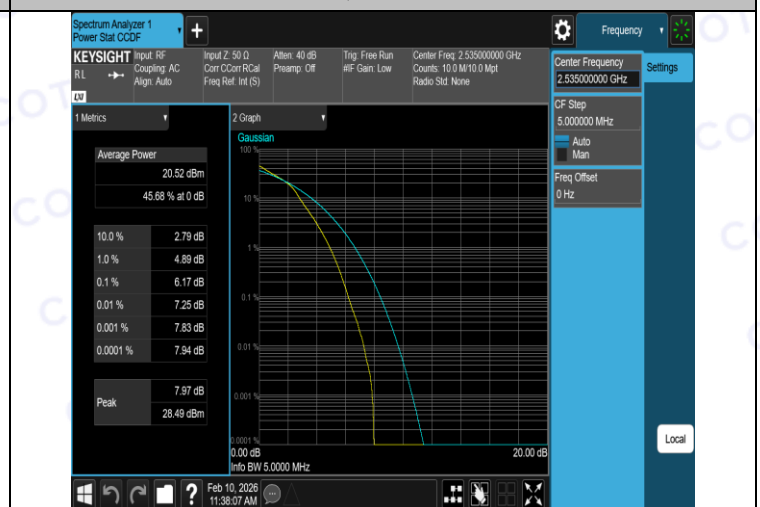
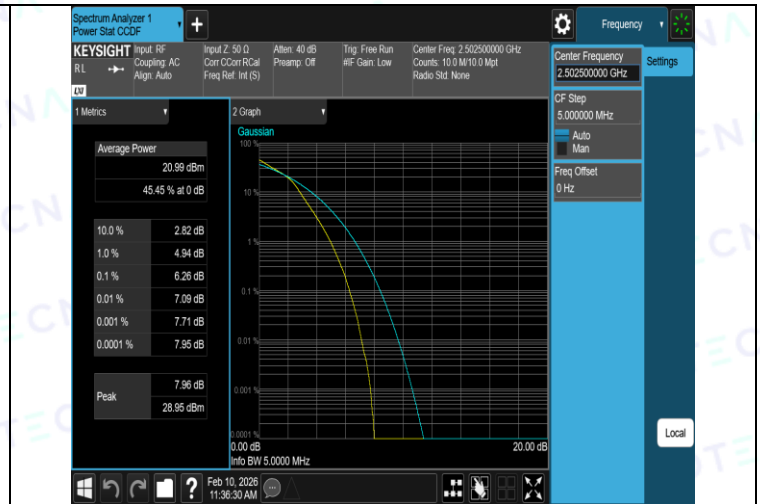
Band7	15MHz	QPSK	20825	36RB#0	19.83	33	PASS
Band7	15MHz	QPSK	20825	36RB#18	20.84	33	PASS
Band7	15MHz	QPSK	20825	36RB#39	21.86	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.12	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	18.03	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	18.79	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	17.93	33	PASS
Band7	15MHz	QPSK	21100	36RB#0	18.71	33	PASS
Band7	15MHz	QPSK	21100	36RB#18	18.77	33	PASS
Band7	15MHz	QPSK	21100	36RB#39	18.69	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	18.69	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	20.64	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	21.38	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	18.25	33	PASS
Band7	15MHz	QPSK	21375	36RB#0	21.88	33	PASS
Band7	15MHz	QPSK	21375	36RB#18	21.47	33	PASS
Band7	15MHz	QPSK	21375	36RB#39	20.40	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.29	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	18.32	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	20.71	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.31	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	18.05	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	18.73	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	17.88	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	20.69	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.13	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	18.15	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	17.77	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	21.48	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	20.23	33	PASS
Band7	20MHz	QPSK	20850	50RB#0	20.09	33	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.56	33	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.93	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.31	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	18.22	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	18.77	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	17.87	33	PASS
Band7	20MHz	QPSK	21100	50RB#0	18.94	33	PASS
Band7	20MHz	QPSK	21100	50RB#25	18.83	33	PASS
Band7	20MHz	QPSK	21100	50RB#50	18.74	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	19.00	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	18.76	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.09	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	18.05	33	PASS

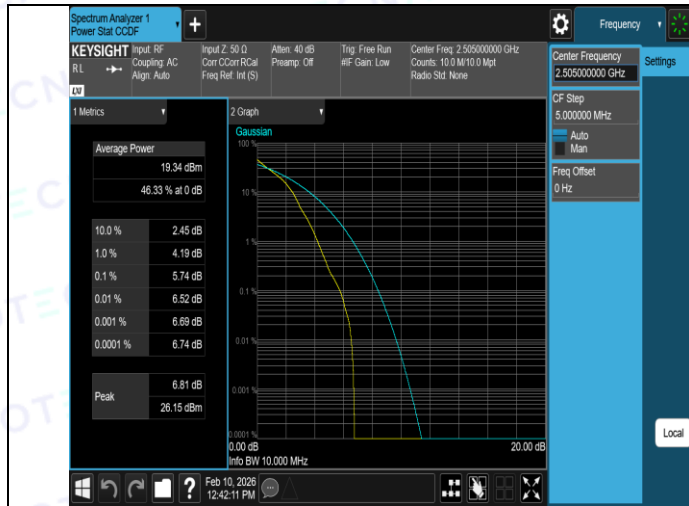
Band7	20MHz	QPSK	21350	50RB#0	21.47	33	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.84	33	PASS
Band7	20MHz	QPSK	21350	50RB#50	20.86	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.27	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	17.91	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.31	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	20.25	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	18.64	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	18.67	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	18.21	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	18.97	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.90	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	18.00	33	PASS

2: Peak-to-Average Ratio(CCDF)

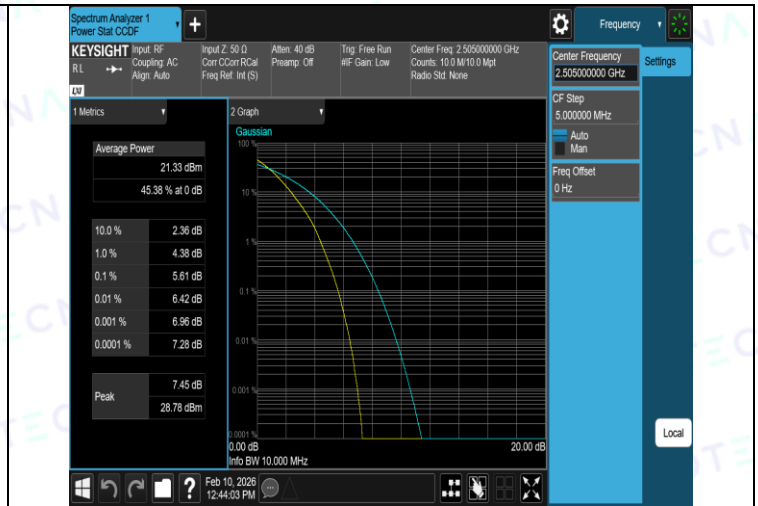
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	5.39	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.70	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	5.46	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.58	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	5.09	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.56	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	6.06	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.26	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	6.26	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.17	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	6.30	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.29	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	5.74	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.61	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	5.67	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.47	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	5.28	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.31	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	6.41	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	6.03	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	6.21	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	5.71	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.74	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	5.36	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.90	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	5.56	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.52	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	6.74	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	6.30	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	6.04	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	5.33	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.40	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	5.67	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	6.04	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	5.77	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.70	13	PASS

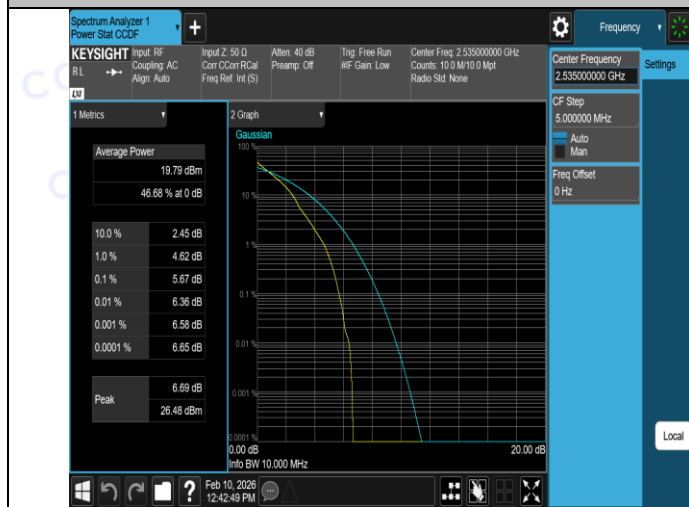




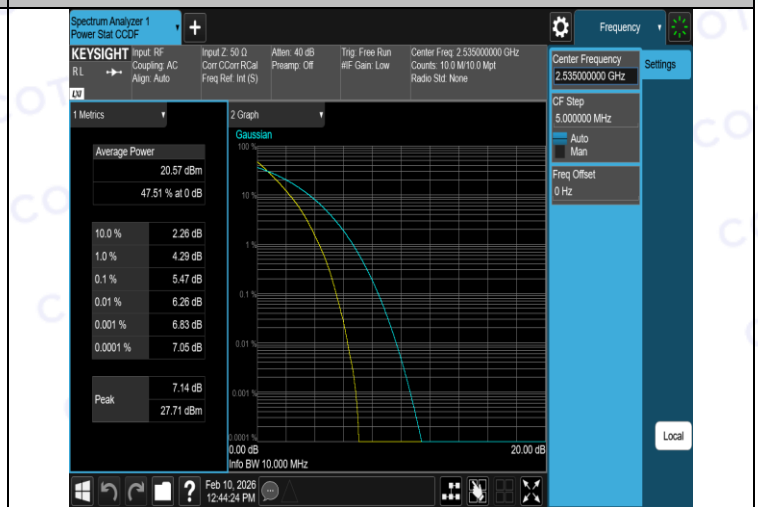
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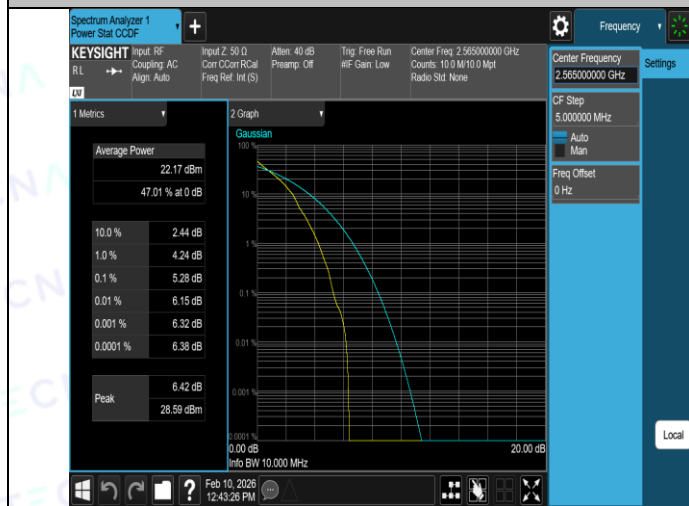
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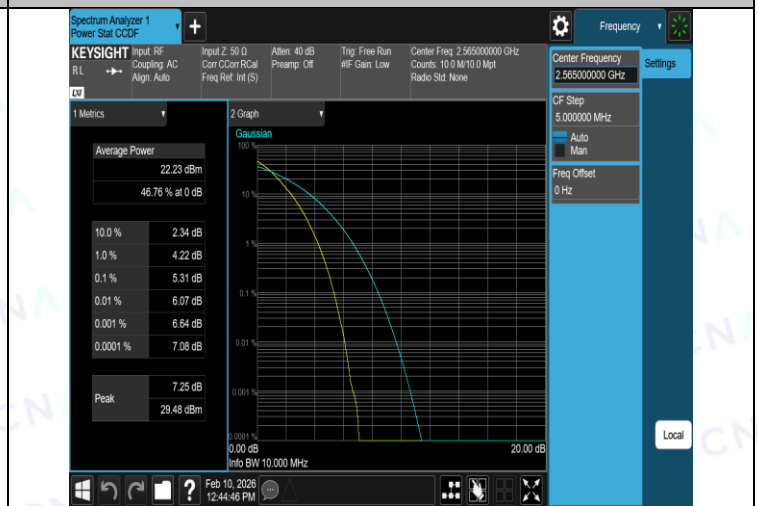
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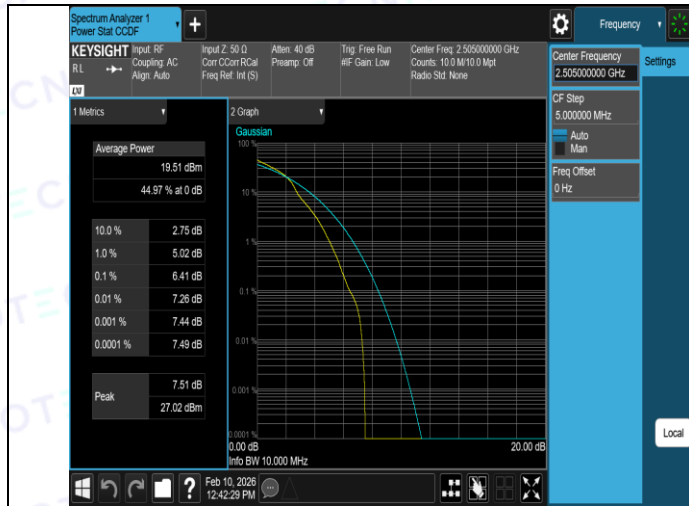
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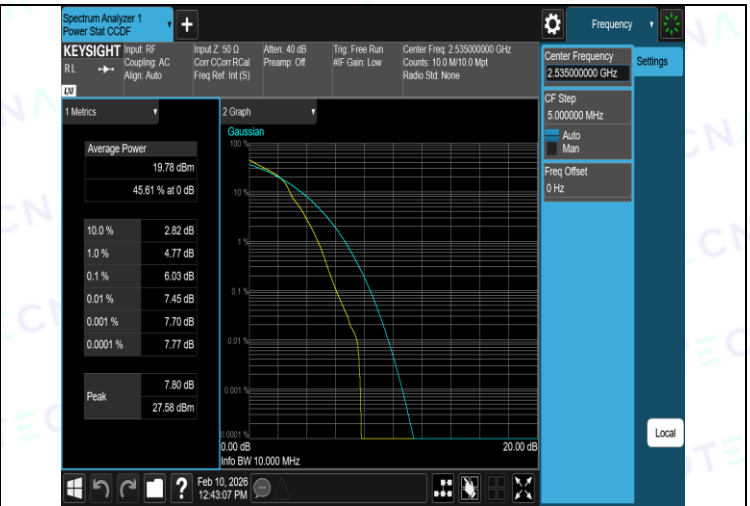
Band7-10MHz-16QAM-20800-1RB#0-PASS



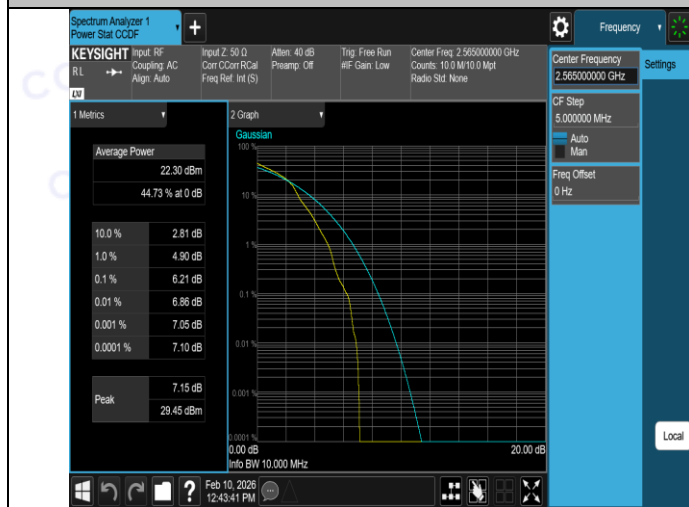
Band7-10MHz-16QAM-21100-1RB#0-PASS



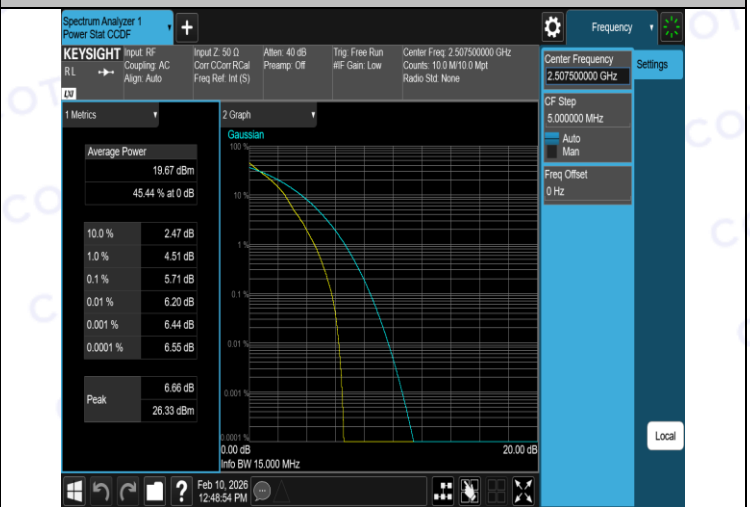
Band7-10MHz-16QAM-21400-1RB#0-PASS



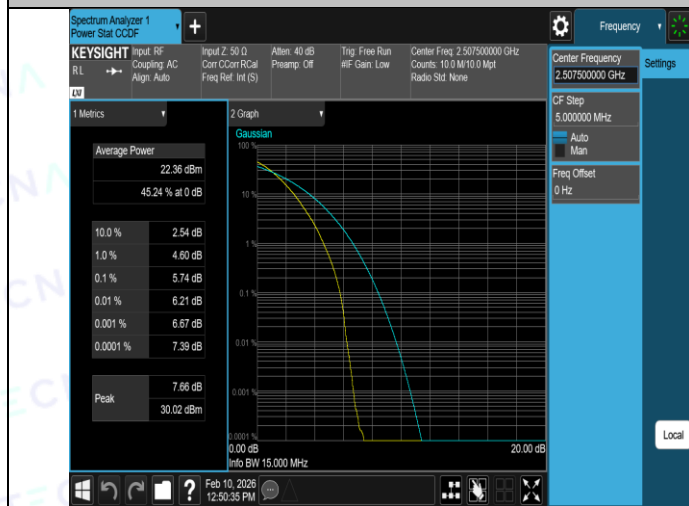
Band7-15MHz-QPSK-20825-1RB#0-PASS



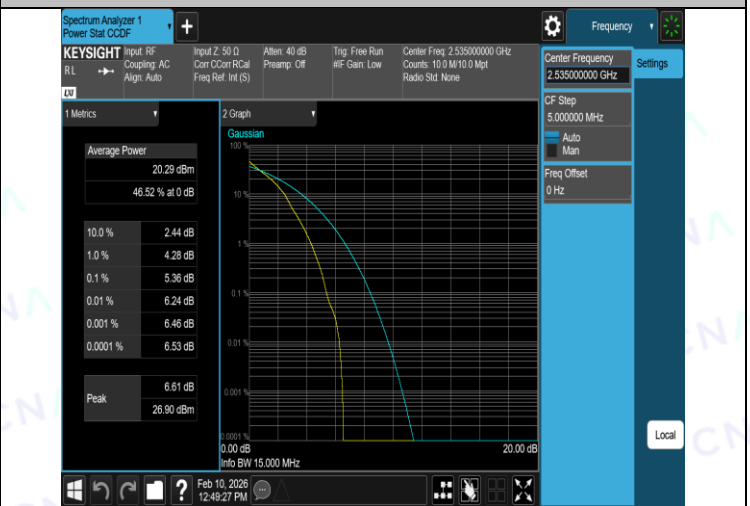
Band7-15MHz-QPSK-20825-75RB#0-PASS



Band7-15MHz-QPSK-21100-1RB#0-PASS



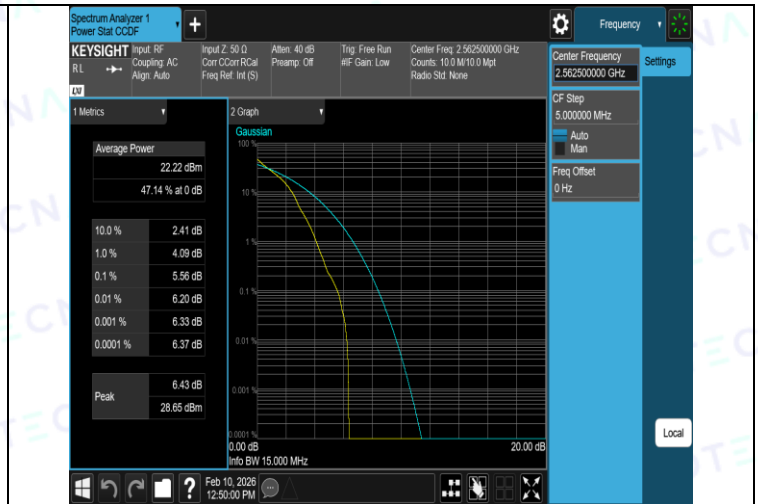
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Band7-15MHz-QPSK-21375-1RB#0-PASS



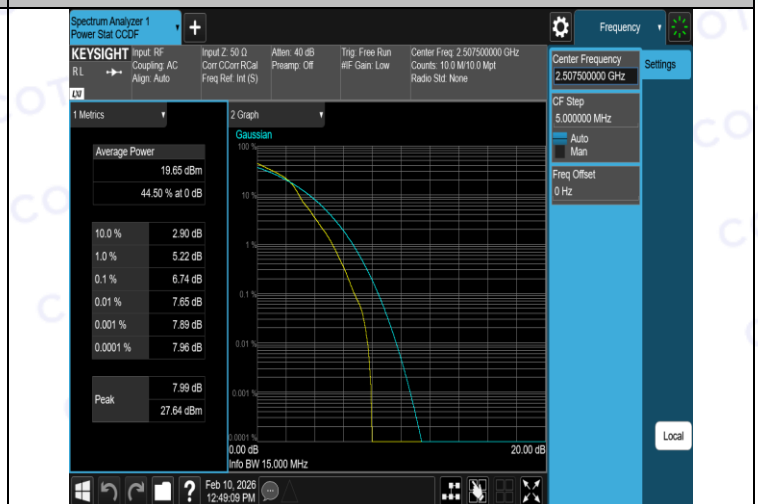
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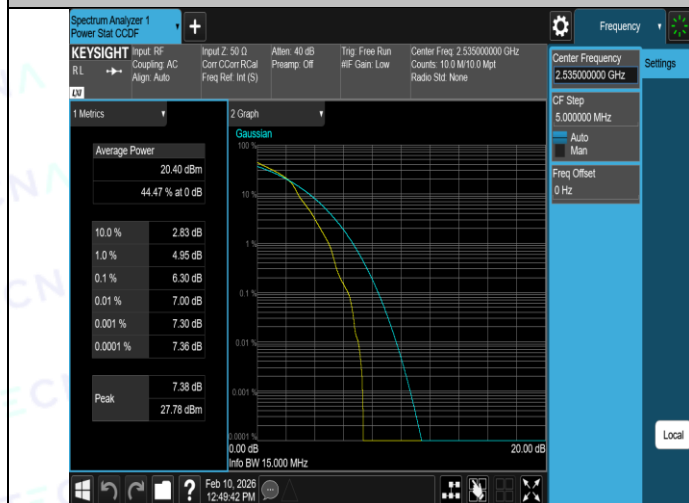
Band7-15MHz-16QAM-20825-1RB#0-PASS



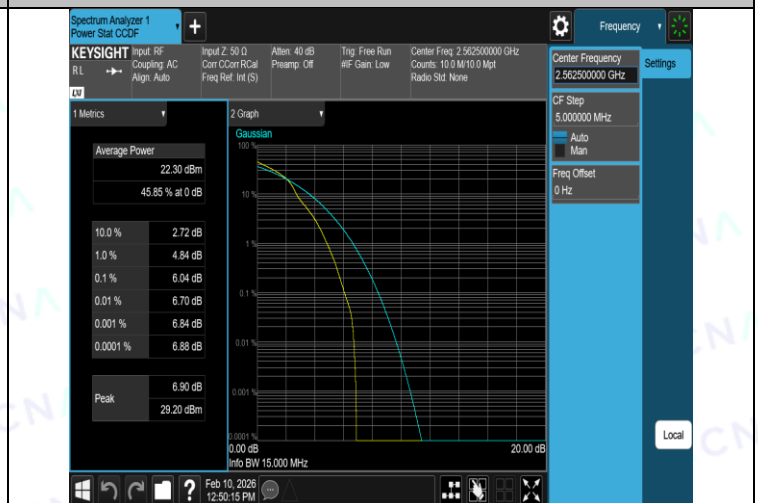
Band7-15MHz-16QAM-21100-1RB#0-PASS



Band7-15MHz-16QAM-21375-1RB#0-PASS



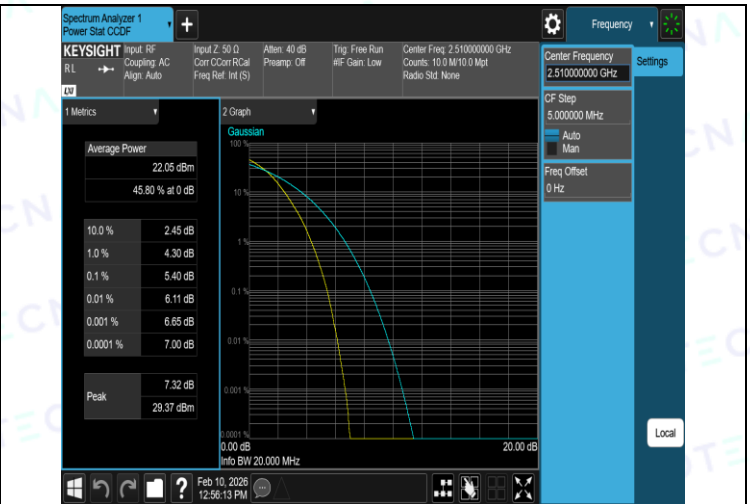
Band7-20MHz-QPSK-20850-1RB#0-PASS



Band7-20MHz-QPSK-20850-100RB#0-PASS



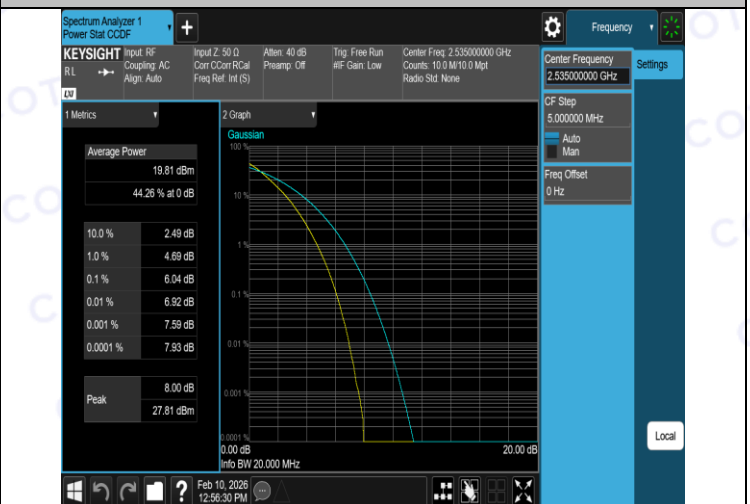
Band7-20MHz-QPSK-21100-1RB#0-PASS



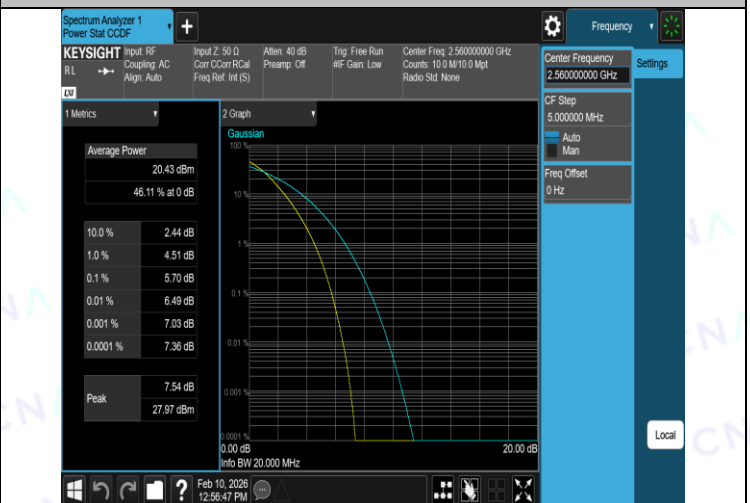
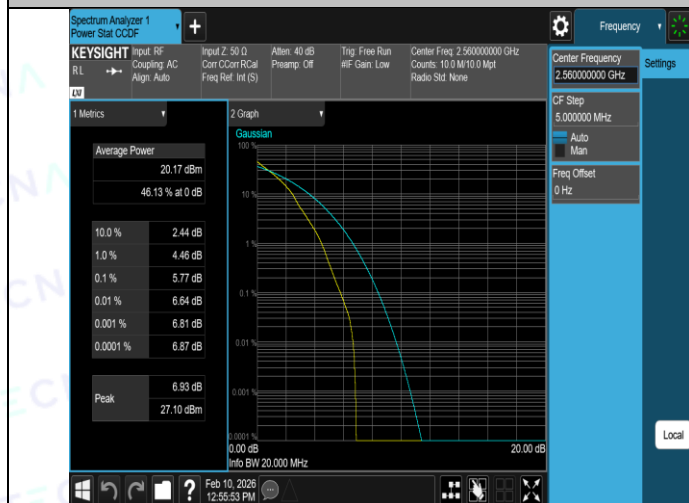
Band7-20MHz-QPSK-21100-100RB#0-PASS



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



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

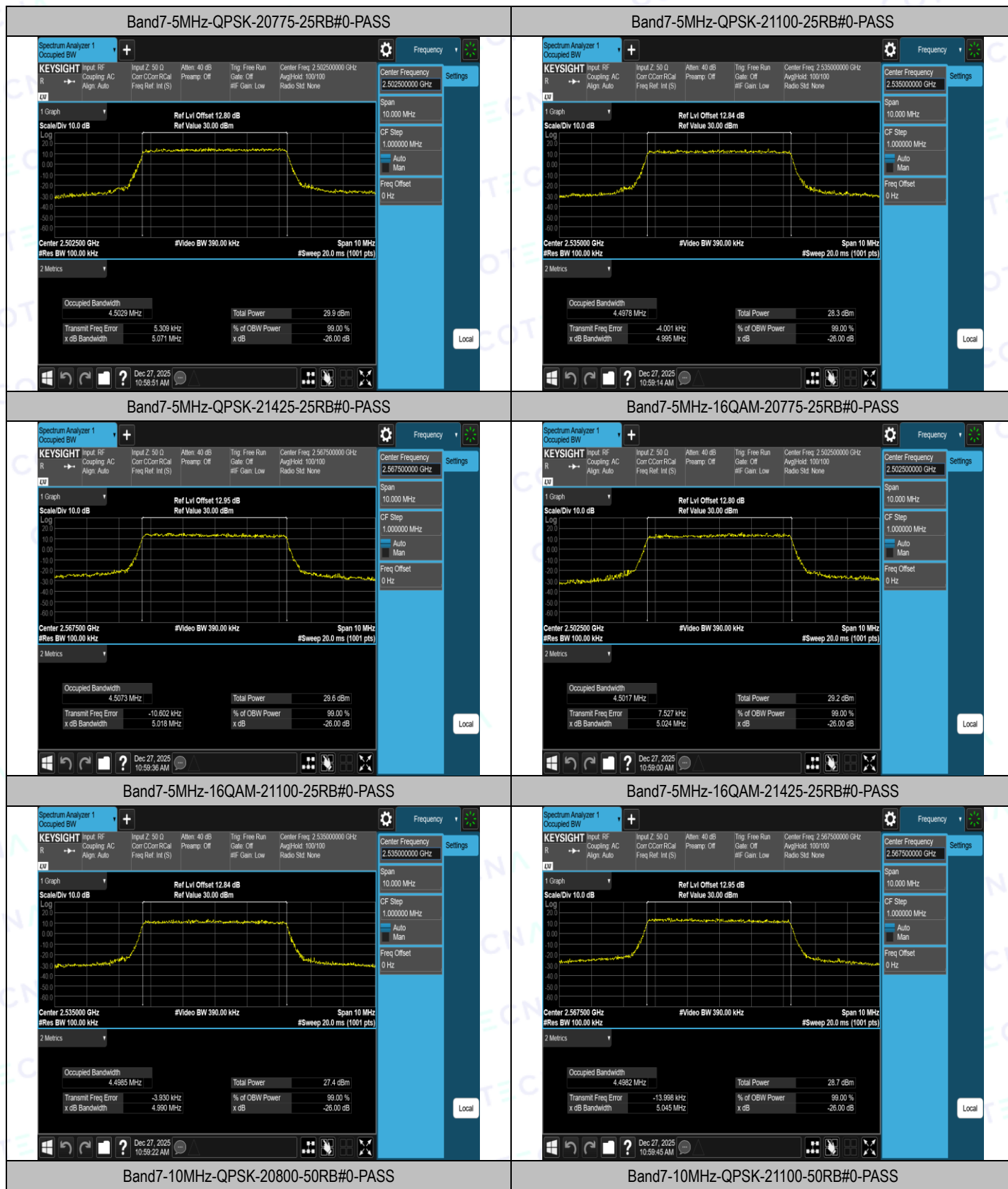


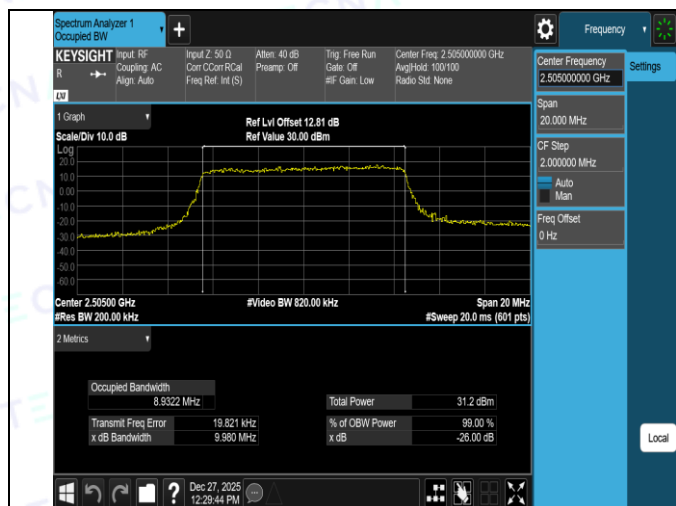
3: 26dB Bandwidth and Occupied Bandwidth

Test Result

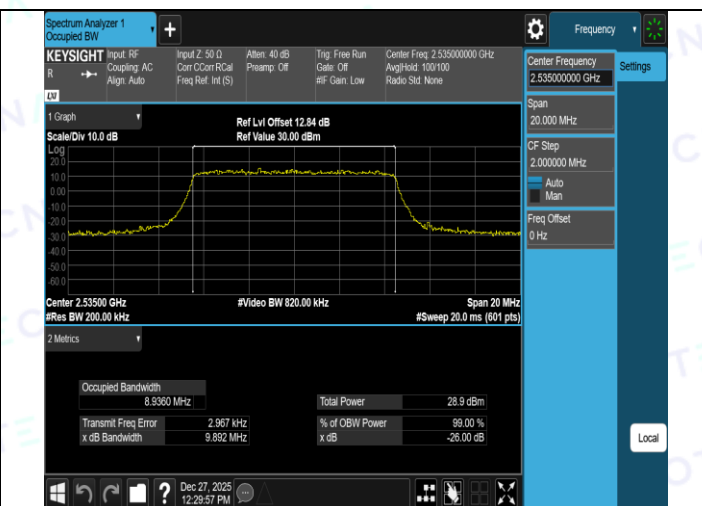
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5029	5.071	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4978	4.995	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5073	5.018	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5017	5.024	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4985	4.990	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.4982	5.045	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9322	9.980	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9360	9.892	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9298	9.999	PASS
Band7	10MHz	16QAM	20800	27RB#0	4.9927	6.039	PASS
Band7	10MHz	16QAM	21100	27RB#0	4.9673	6.068	PASS
Band7	10MHz	16QAM	21400	27RB#0	4.9517	6.228	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.405	14.90	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.454	15.11	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.404	15.11	PASS
Band7	15MHz	16QAM	20825	27RB#0	5.1501	6.517	PASS
Band7	15MHz	16QAM	21100	27RB#0	5.2318	6.664	PASS
Band7	15MHz	16QAM	21375	27RB#0	5.1251	6.555	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.789	19.48	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.889	19.73	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.826	19.60	PASS
Band7	20MHz	16QAM	20850	27RB#0	5.3610	6.866	PASS
Band7	20MHz	16QAM	21100	27RB#0	5.4051	7.124	PASS
Band7	20MHz	16QAM	21350	27RB#0	5.2512	6.746	PASS

Test Graphs

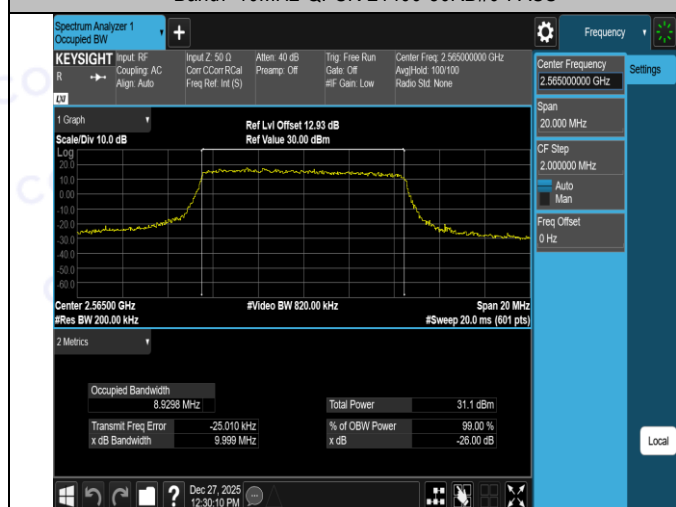




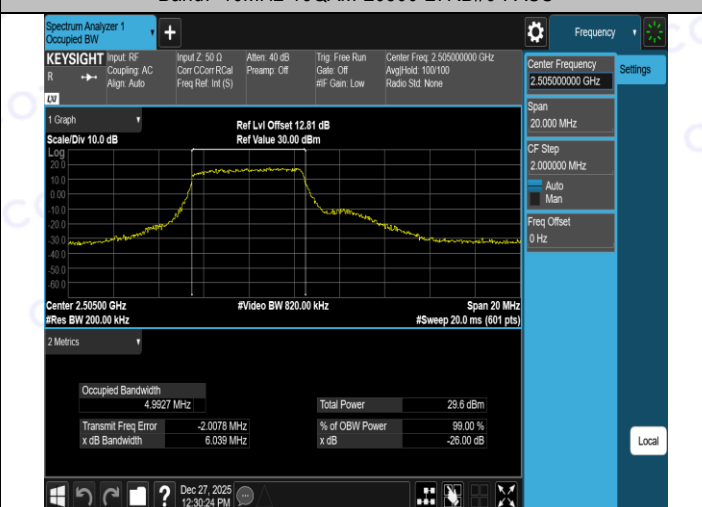
Band7-10MHz-QPSK-21400-50RB#0-PASS



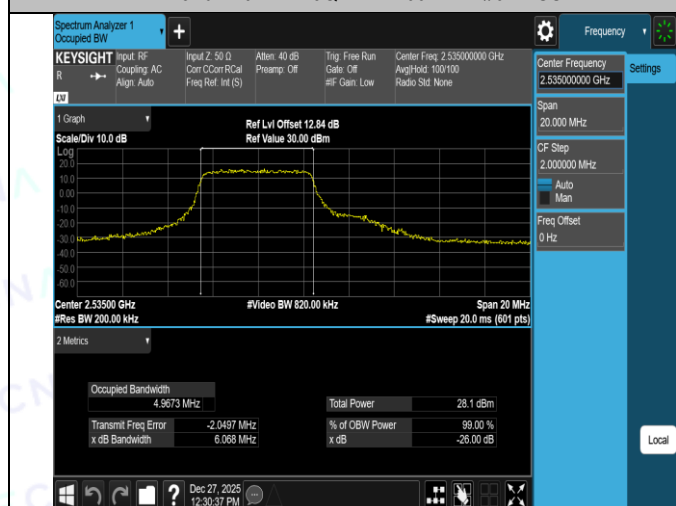
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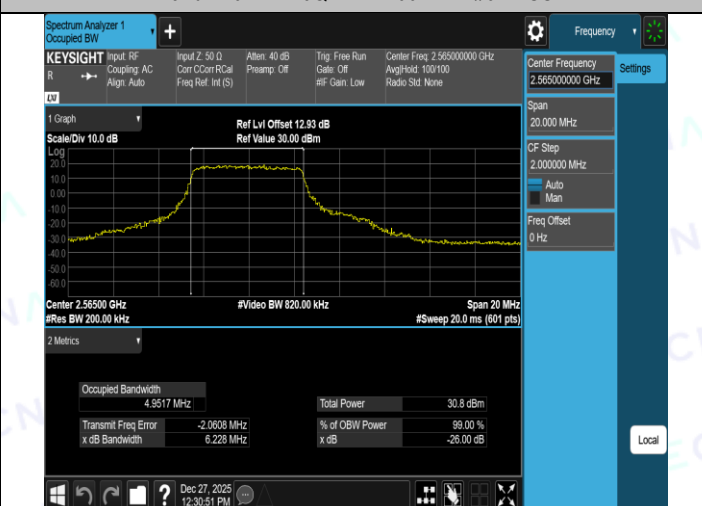
Band7-10MHz-16QAM-21100-27RB#0-PASS



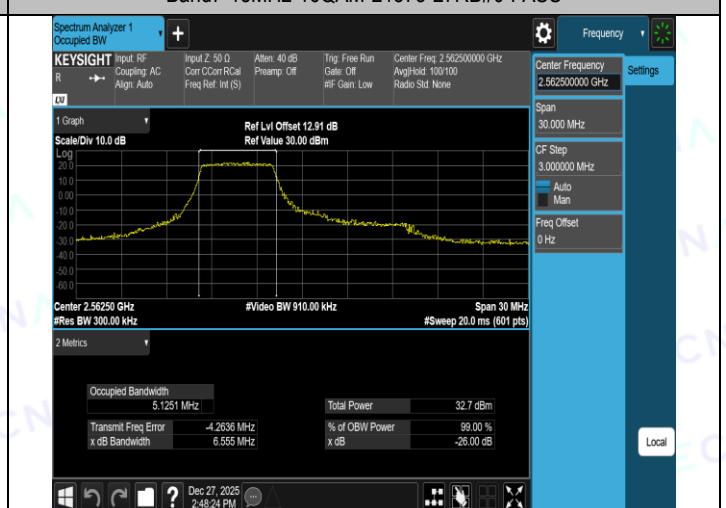
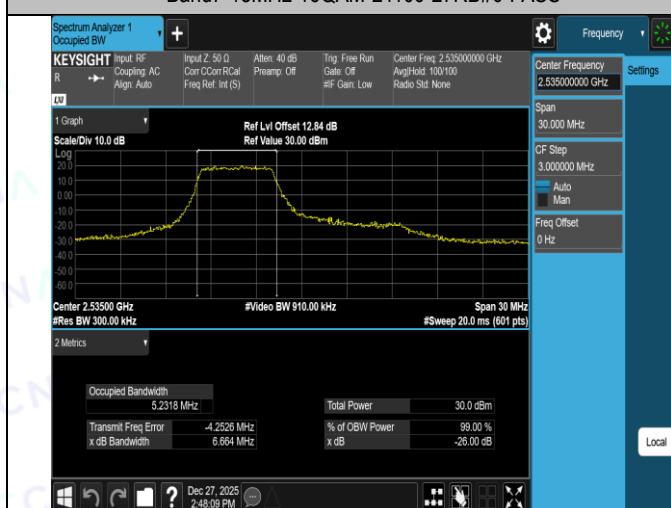
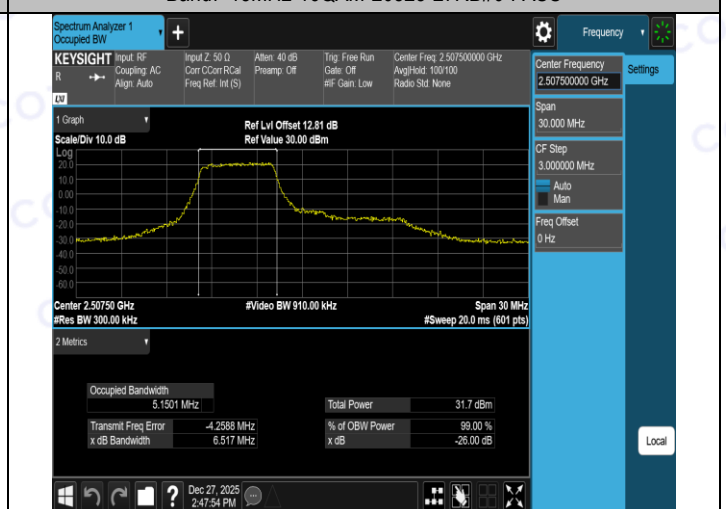
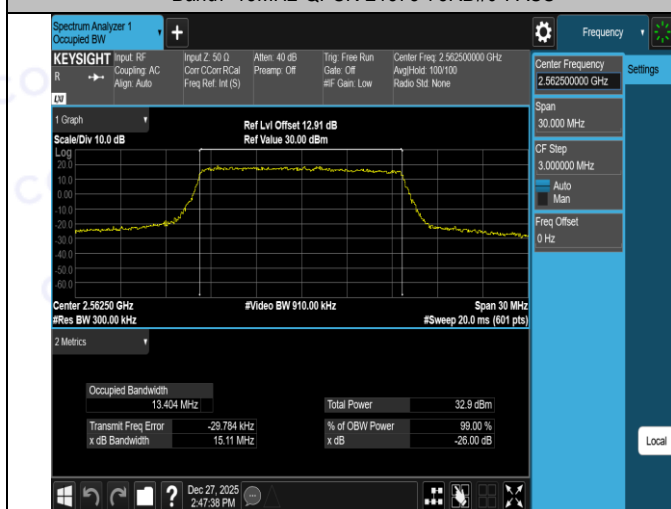
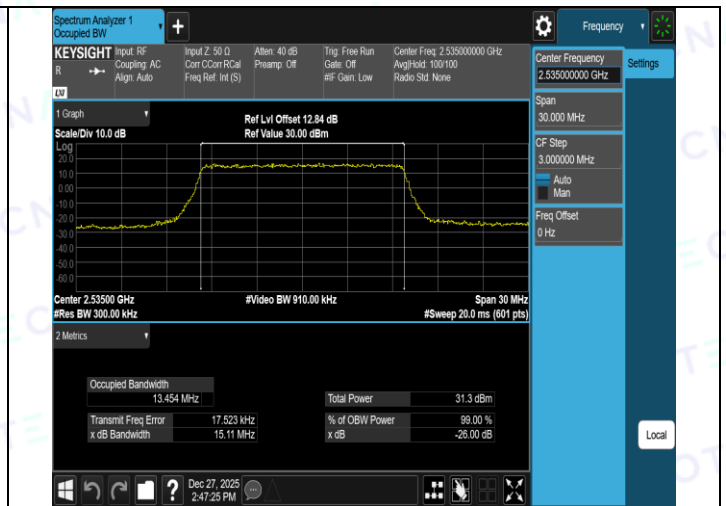
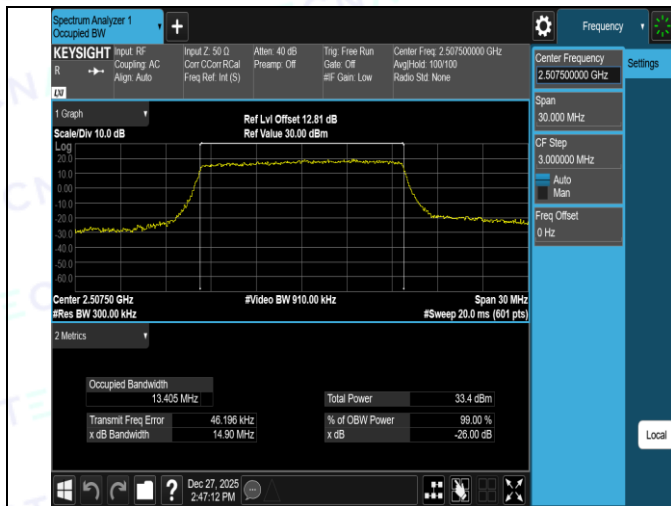
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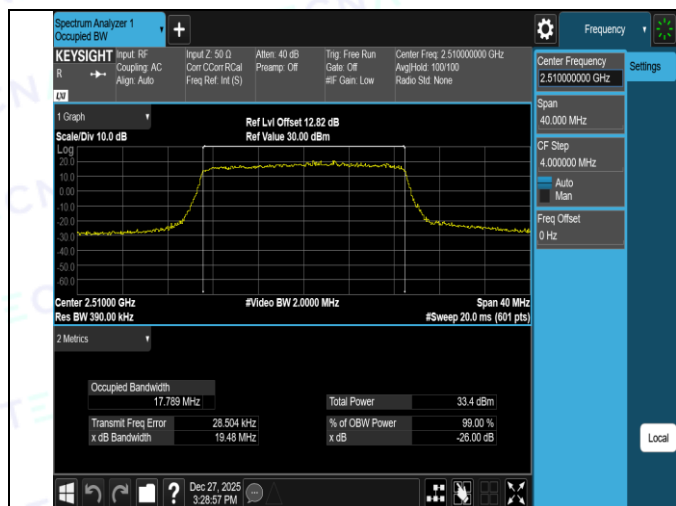


Band7-15MHz-QPSK-20825-75RB#0-PASS



Band7-15MHz-QPSK-21100-75RB#0-PASS

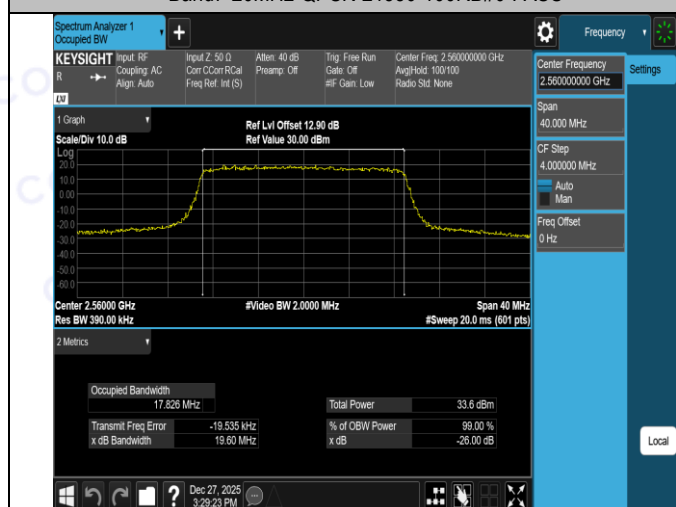




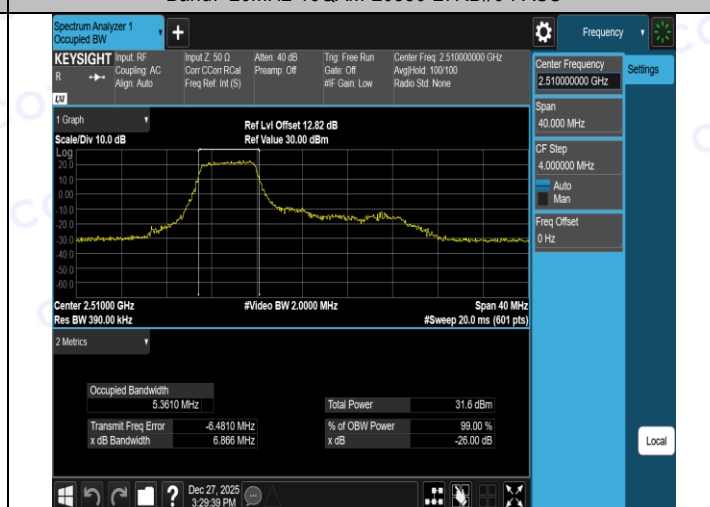
Band7-20MHz-QPSK-21350-100RB#0-PASS



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



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



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

