

LTE Test Data-B7

General Description of EUT	
Product Name:	Tractive DOG 6 mini, Tractive CAT 6 mini
Test Model:	TG7A
Sample ID:	HC-C-202601-0392-5-02
Environmental Conditions	
Temperature:	22.0℃-25℃
Relative Humidity:	43%-55%
Test Voltage:	DC 3.88V
Test Engineer:	Lily Zhang
Note: For a more detailed features description, please refer to the report TBR-C-202601-0392-91. The report only show the worst case data.	

Contents

LTE Test Data-B7	1
1: Conducted Output Power Data	3
Test Result	3
2: Peak-to-Average Ratio(CCDF)	7
Test Result	7
Test Graphs	8
3: 26dB Bandwidth and Occupied Bandwidth	14
Test Result	14
Test Graphs	15
4: Band Edge	19
Test Result	19
Test Graphs	21
5: Conducted Spurious Emission	28
Test Result	28
Test Graphs	32
6: Frequency Stability	56
Test Result	56

1: Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Limit(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	21.34	33	PASS
Band7	5MHz	QPSK	20775	1RB#12	21.80	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.23	33	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.14	33	PASS
Band7	5MHz	QPSK	20775	12RB#6	21.39	33	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.65	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.63	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	21.89	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	21.98	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	21.79	33	PASS
Band7	5MHz	QPSK	21100	12RB#0	20.92	33	PASS
Band7	5MHz	QPSK	21100	12RB#6	20.89	33	PASS
Band7	5MHz	QPSK	21100	12RB#13	20.99	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	20.91	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.66	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.09	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	21.25	33	PASS
Band7	5MHz	QPSK	21425	12RB#0	20.60	33	PASS
Band7	5MHz	QPSK	21425	12RB#6	20.85	33	PASS
Band7	5MHz	QPSK	21425	12RB#13	18.15	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	20.31	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	20.68	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.15	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.53	33	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.35	33	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.52	33	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.76	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.73	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.16	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	20.88	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	20.78	33	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.06	33	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.13	33	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.07	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.09	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.44	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	20.96	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	19.93	33	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.68	33	PASS
Band7	5MHz	16QAM	21425	12RB#6	19.95	33	PASS

Band7	5MHz	16QAM	21425	12RB#13	19.24	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.26	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	21.58	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.15	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.06	33	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.45	33	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.70	33	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.12	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.65	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.00	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	21.78	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	20.51	33	PASS
Band7	10MHz	QPSK	21100	25RB#0	20.07	33	PASS
Band7	10MHz	QPSK	21100	25RB#12	19.93	33	PASS
Band7	10MHz	QPSK	21100	25RB#25	19.93	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	20.54	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	20.91	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.32	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	19.79	33	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.48	33	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.49	33	PASS
Band7	10MHz	QPSK	21400	25RB#25	20.97	33	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.42	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	20.82	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.70	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.07	33	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.63	33	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.90	33	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.17	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	20.97	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	20.50	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	19.74	33	PASS
Band7	10MHz	16QAM	21100	25RB#0	19.25	33	PASS
Band7	10MHz	16QAM	21100	25RB#12	19.01	33	PASS
Band7	10MHz	16QAM	21100	25RB#25	19.04	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.07	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.33	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	19.06	33	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.74	33	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.69	33	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.07	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	21.50	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.61	33	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.40	33	PASS
Band7	15MHz	QPSK	20825	36RB#0	21.62	33	PASS

Band7	15MHz	QPSK	20825	36RB#18	22.13	33	PASS
Band7	15MHz	QPSK	20825	36RB#39	22.27	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	18.27	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	20.78	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	21.60	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	20.46	33	PASS
Band7	15MHz	QPSK	21100	36RB#0	19.84	33	PASS
Band7	15MHz	QPSK	21100	36RB#18	19.81	33	PASS
Band7	15MHz	QPSK	21100	36RB#39	19.74	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	20.08	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.45	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.68	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	20.26	33	PASS
Band7	15MHz	QPSK	21375	36RB#0	21.61	33	PASS
Band7	15MHz	QPSK	21375	36RB#18	21.12	33	PASS
Band7	15MHz	QPSK	21375	36RB#39	20.16	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	20.89	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	20.96	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.67	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.66	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	20.00	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	20.71	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	19.64	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.57	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	19.16	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	19.32	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	21.25	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.02	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.50	33	PASS
Band7	20MHz	QPSK	20850	50RB#0	20.04	33	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.15	33	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.61	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.02	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	20.05	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	21.03	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	19.53	33	PASS
Band7	20MHz	QPSK	21100	50RB#0	18.27	33	PASS
Band7	20MHz	QPSK	21100	50RB#25	17.99	33	PASS
Band7	20MHz	QPSK	21100	50RB#50	18.03	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	18.01	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	19.86	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.82	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	19.86	33	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.28	33	PASS
Band7	20MHz	QPSK	21350	50RB#25	20.74	33	PASS

Band7	20MHz	QPSK	21350	50RB#50	19.27	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	20.33	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	20.30	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	20.97	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.14	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	19.44	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	19.88	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	18.57	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	18.98	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.78	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	18.80	33	PASS

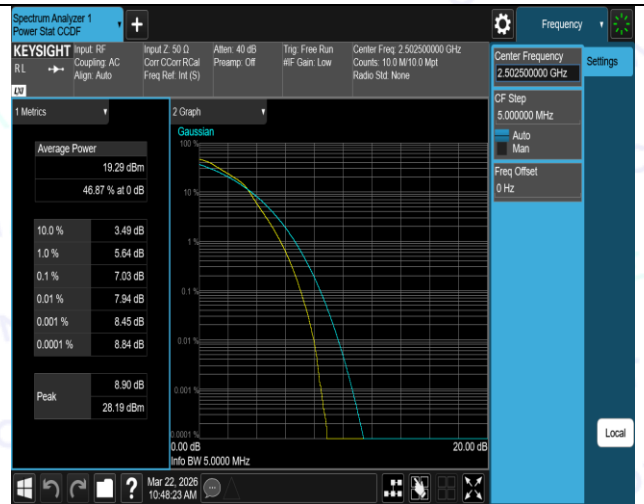
2: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	5.08	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.76	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	5.11	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.45	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	8.44	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.60	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.78	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	7.03	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.80	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	7.44	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	8.44	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.01	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	5.40	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.49	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	5.09	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.38	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	5.46	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.15	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	12.71	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	6.02	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	6.09	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	5.36	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	8.93	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	5.39	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	6.55	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	5.09	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.31	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	6.06	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	6.42	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	6.39	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	5.00	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	12.61	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	5.39	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	8.46	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	5.48	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.92	13	PASS



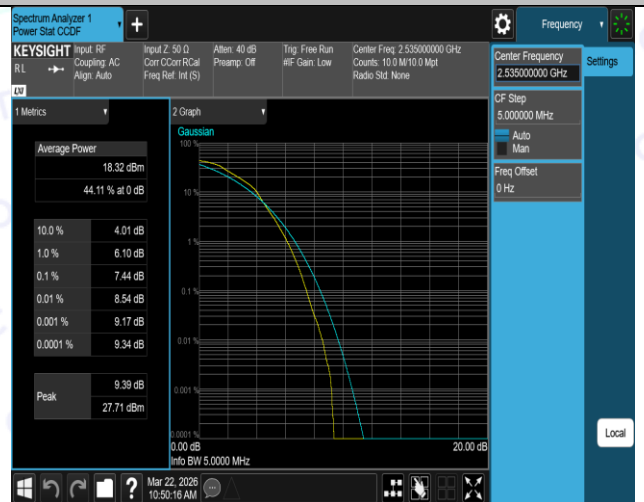
Band7-5MHz-16QAM-21100-1RB#0-PASS



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



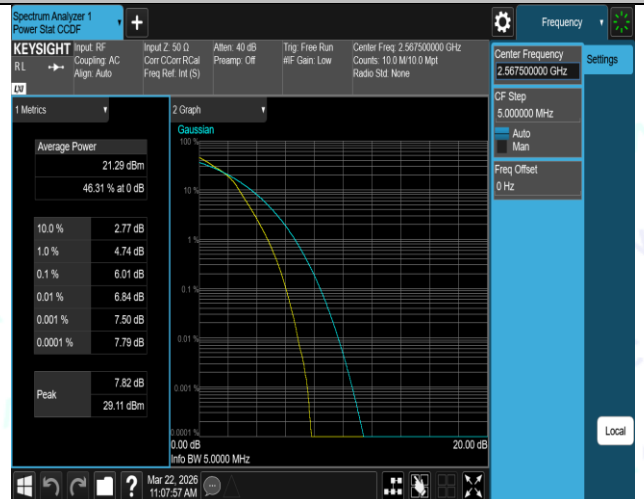
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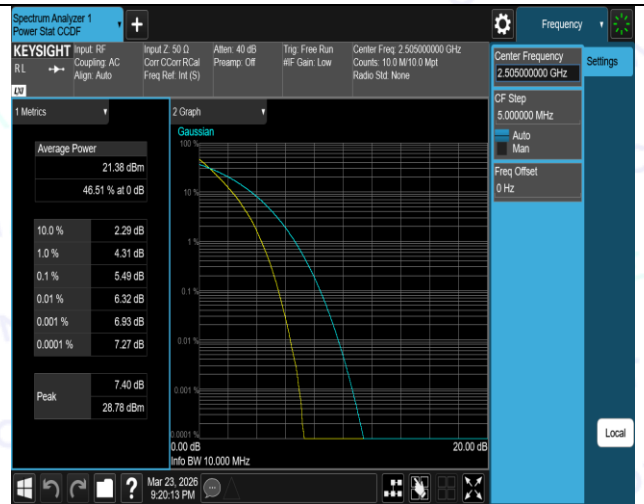
Band7-10MHz-QPSK-20800-1RB#0-PASS



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



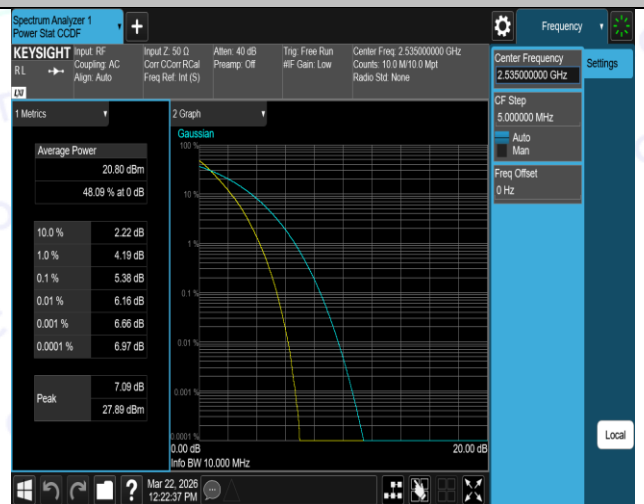
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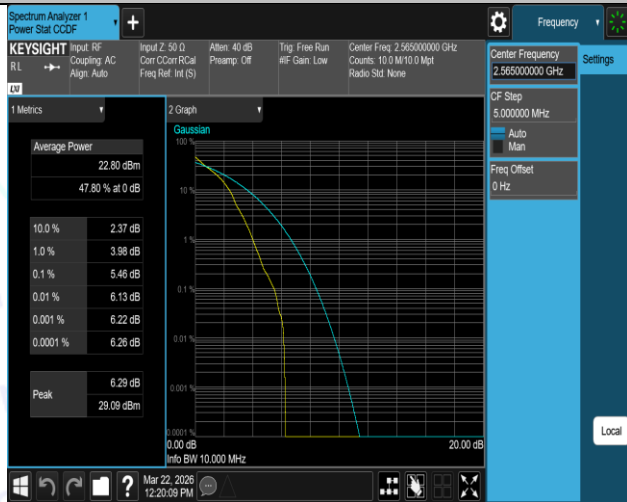
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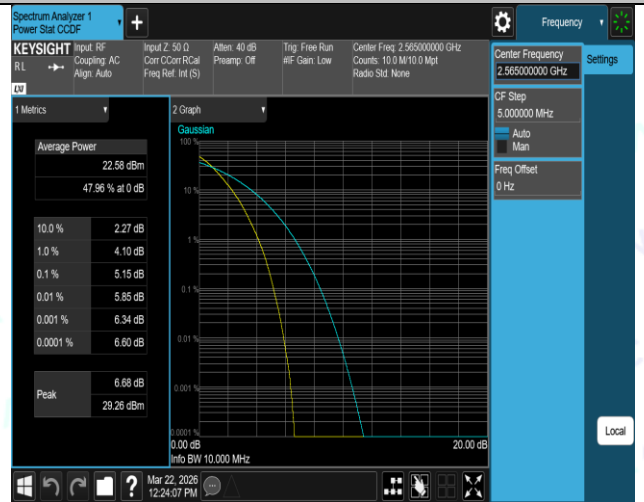
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Band7-10MHz-QPSK-21400-50RB#0-PASS



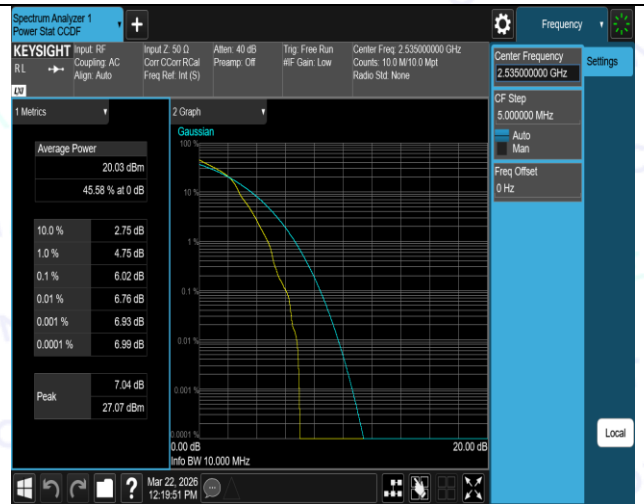
Band7-10MHz-16QAM-20800-1RB#0-PASS



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



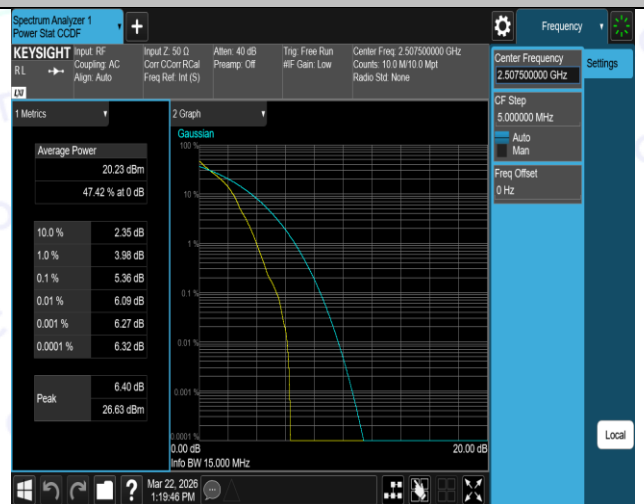
Band7-10MHz-16QAM-21400-1RB#0-PASS



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



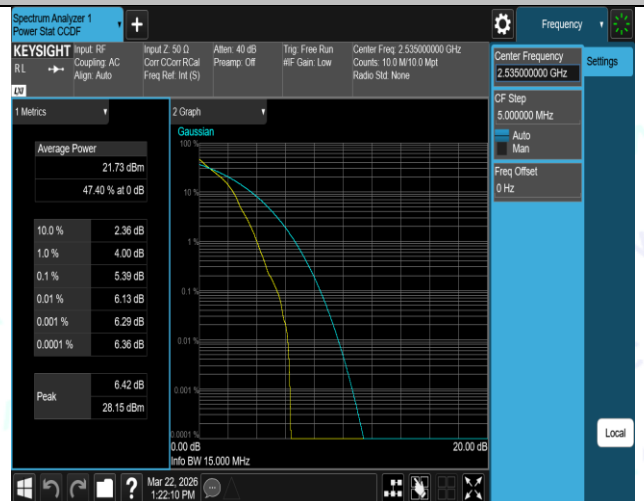
Band7-15MHz-QPSK-20825-75RB#0-PASS



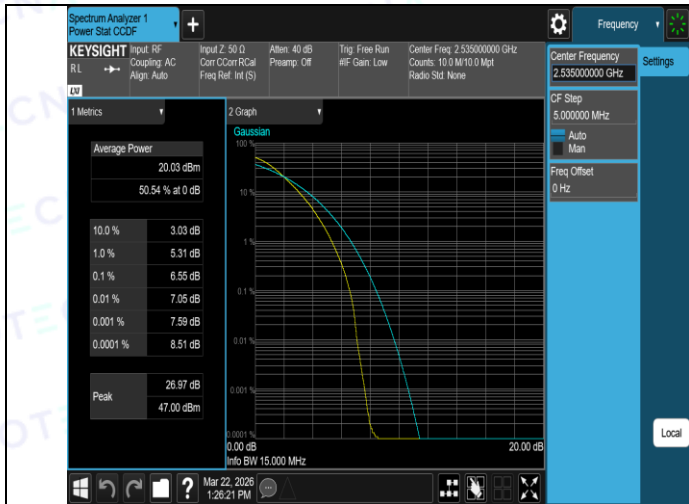
Band7-15MHz-QPSK-21100-1RB#0-PASS



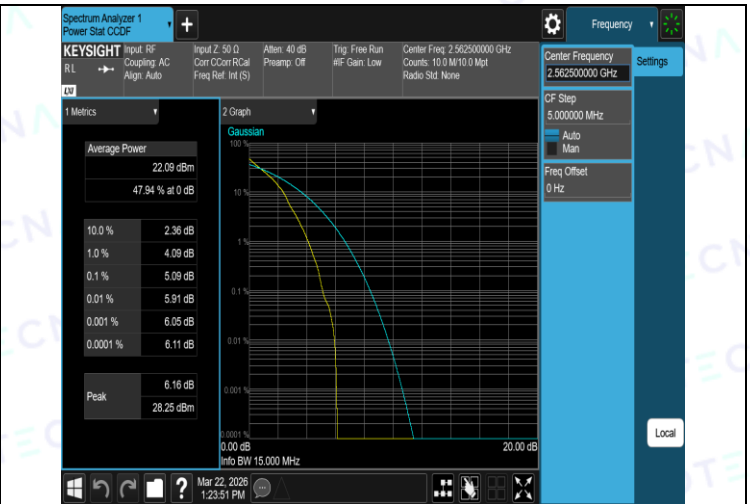
Band7-15MHz-QPSK-21100-75RB#0-PASS



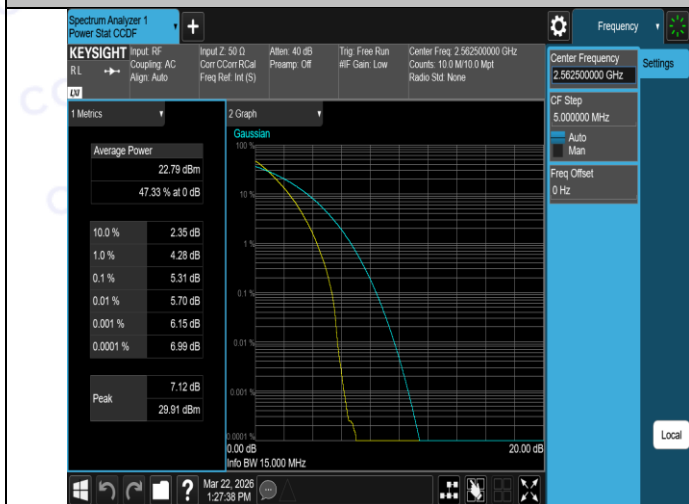
Band7-15MHz-QPSK-21375-1RB#0-PASS



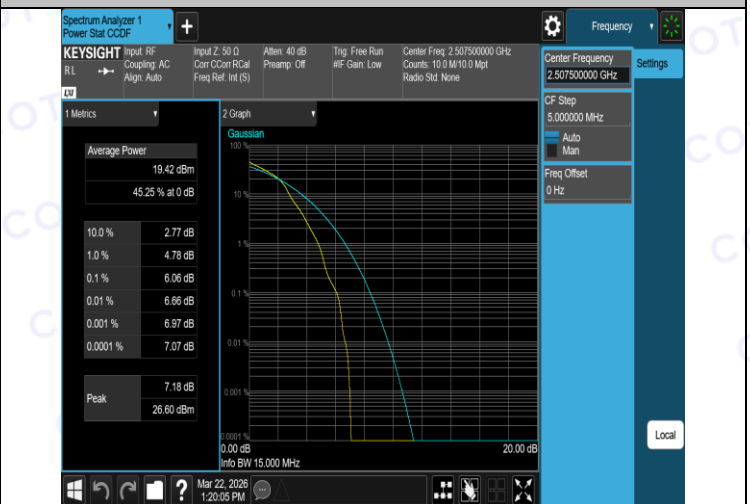
Band7-15MHz-QPSK-21375-75RB#0-PASS



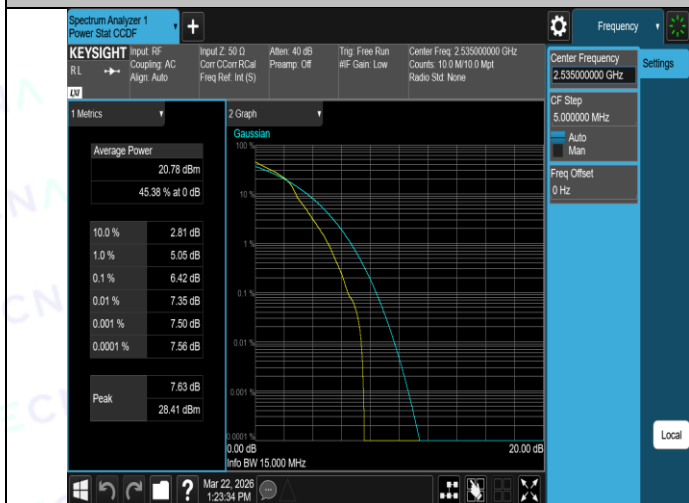
Band7-15MHz-16QAM-20825-1RB#0-PASS



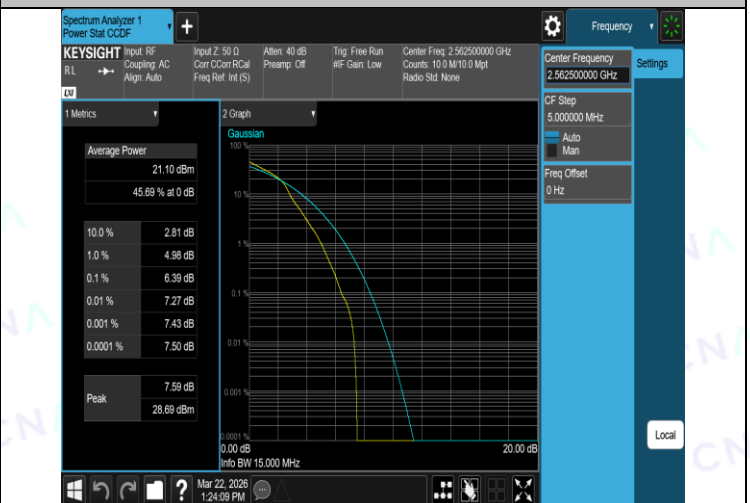
Band7-15MHz-16QAM-21100-1RB#0-PASS



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



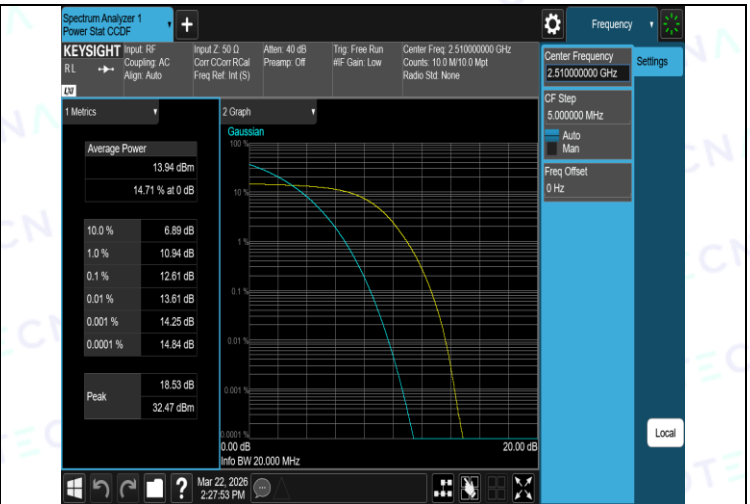
Band7-20MHz-QPSK-20850-1RB#0-PASS



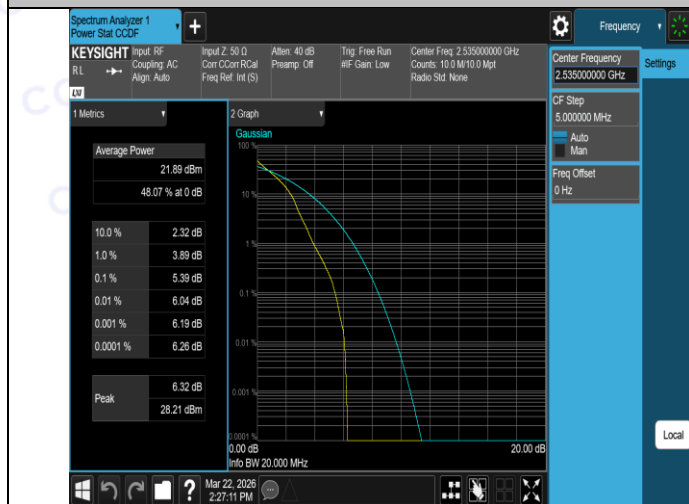
Band7-20MHz-QPSK-20850-100RB#0-PASS



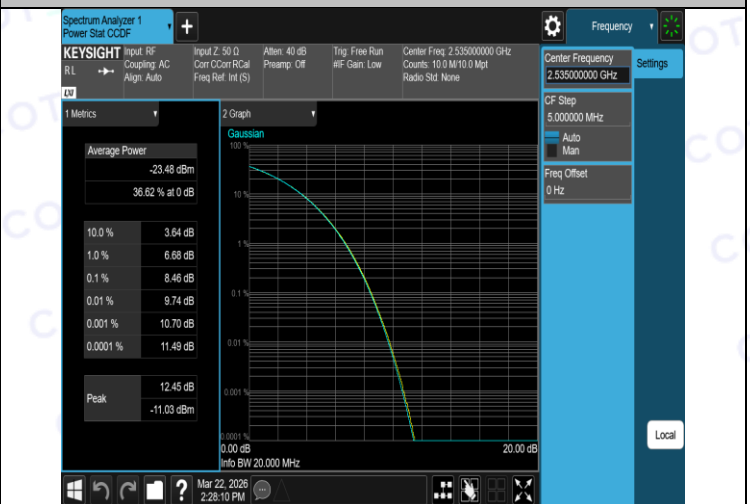
Band7-20MHz-QPSK-21100-1RB#0-PASS



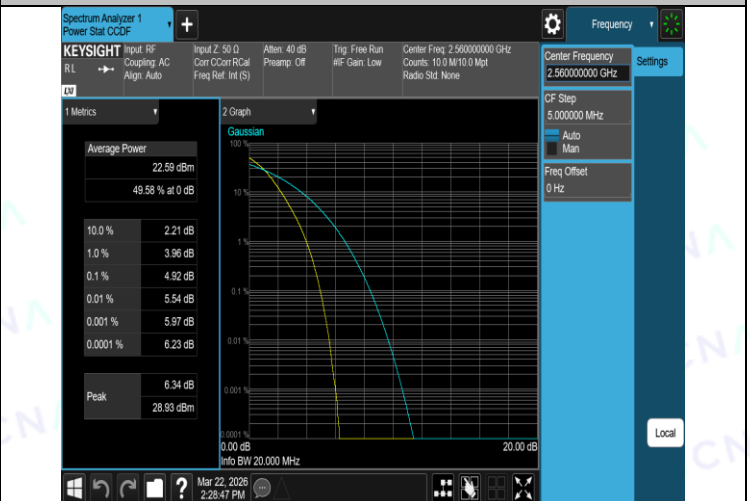
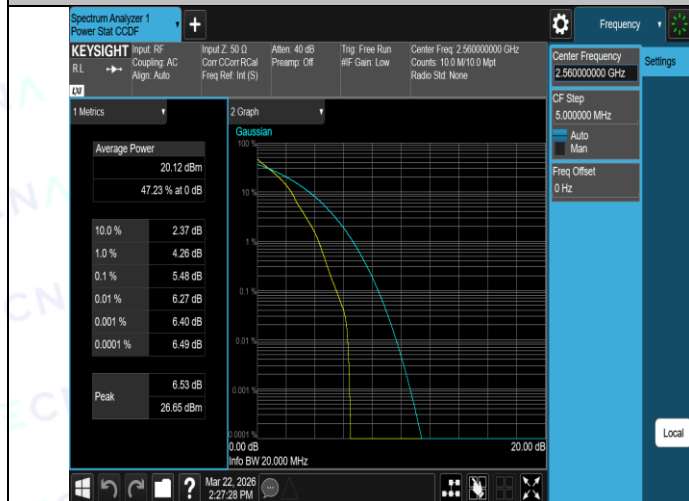
Band7-20MHz-QPSK-21100-100RB#0-PASS



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



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

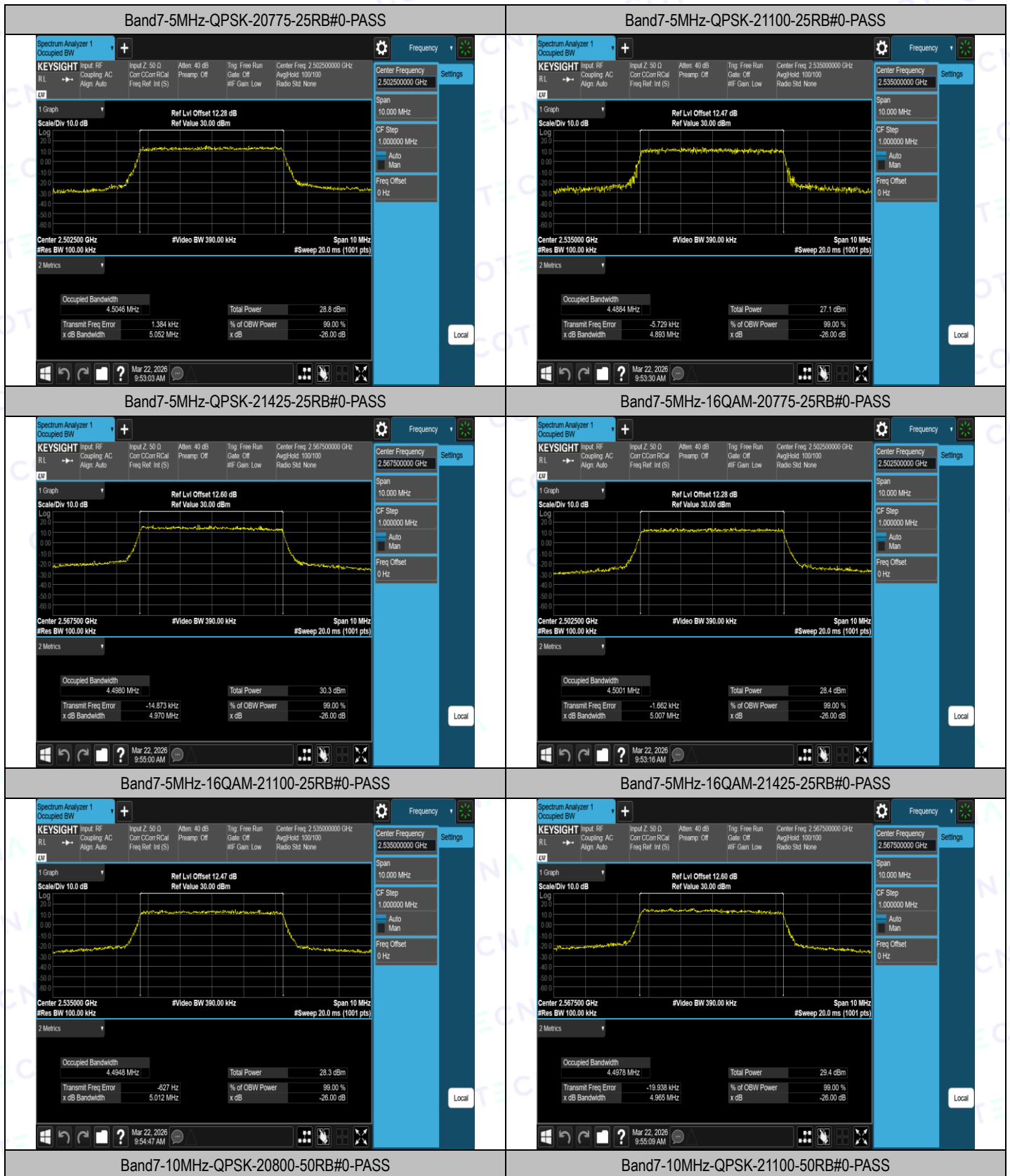


3: 26dB Bandwidth and Occupied Bandwidth

Test Result

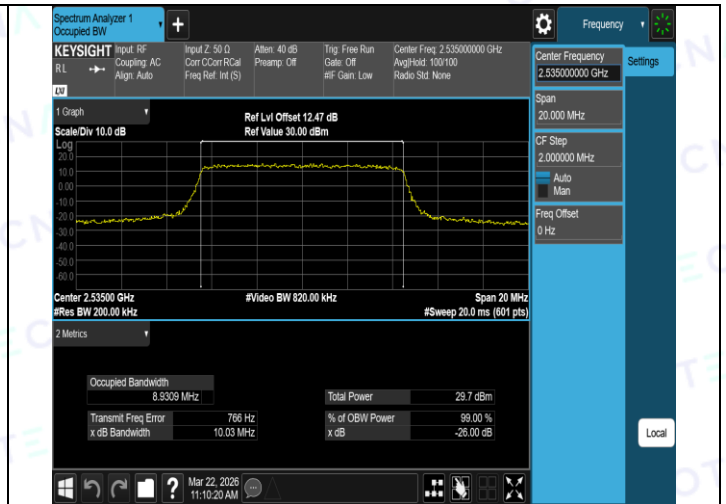
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5046	5.052	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4884	4.893	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.4980	4.970	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5001	5.007	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4948	5.012	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.4978	4.965	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9056	9.932	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9309	10.03	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.8798	9.969	PASS
Band7	10MHz	16QAM	20800	27RB#0	5.0030	5.939	PASS
Band7	10MHz	16QAM	21100	27RB#0	19.846	20.00	PASS
Band7	10MHz	16QAM	21400	27RB#0	4.9525	5.963	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.382	14.90	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.415	14.90	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.314	14.88	PASS
Band7	15MHz	16QAM	20825	27RB#0	5.2113	6.751	PASS
Band7	15MHz	16QAM	21100	27RB#0	5.1172	6.486	PASS
Band7	15MHz	16QAM	21375	27RB#0	5.1178	6.483	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.774	19.50	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.867	19.76	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.631	19.22	PASS
Band7	20MHz	16QAM	20850	27RB#0	5.2784	6.881	PASS
Band7	20MHz	16QAM	21100	27RB#0	5.2568	6.909	PASS
Band7	20MHz	16QAM	21350	27RB#0	5.3024	7.053	PASS

Test Graphs

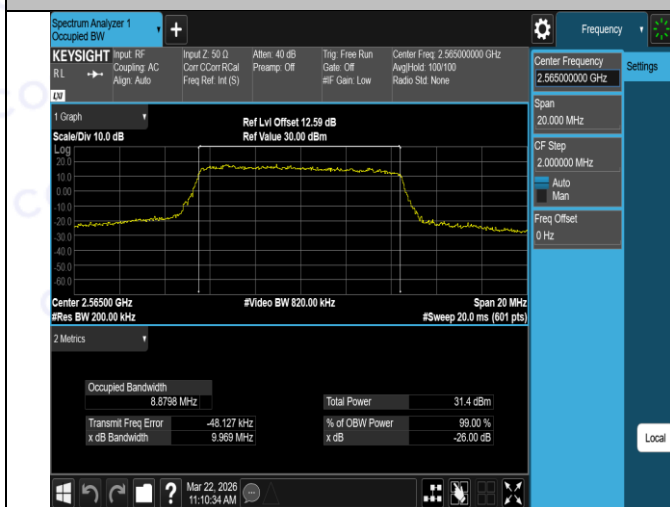




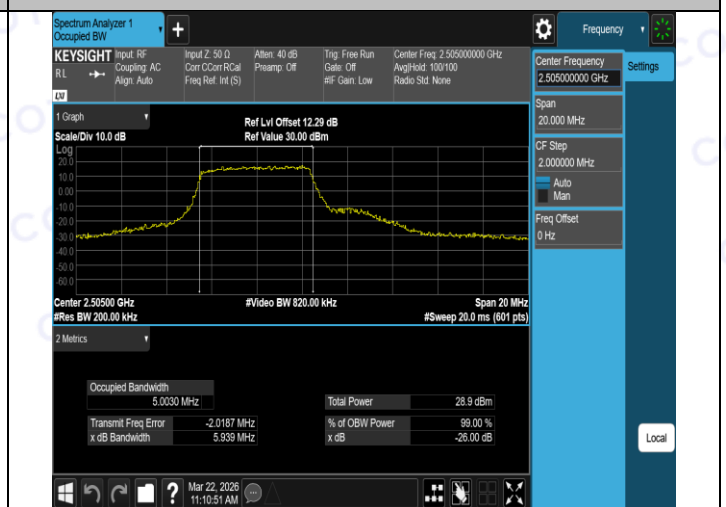
Band7-10MHz-QPSK-21400-50RB#0-PASS



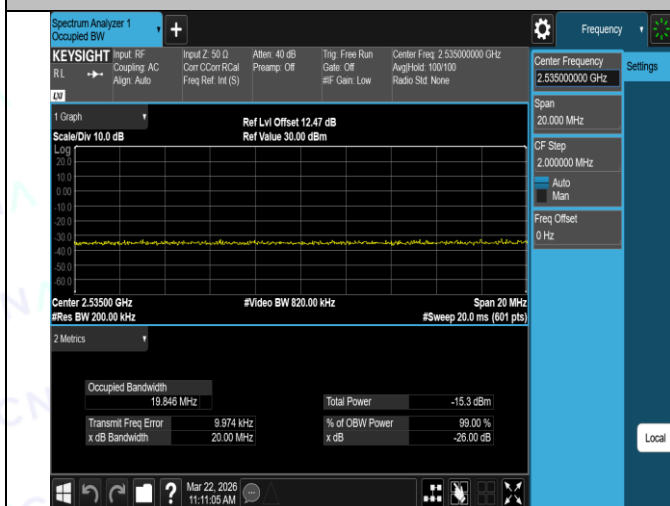
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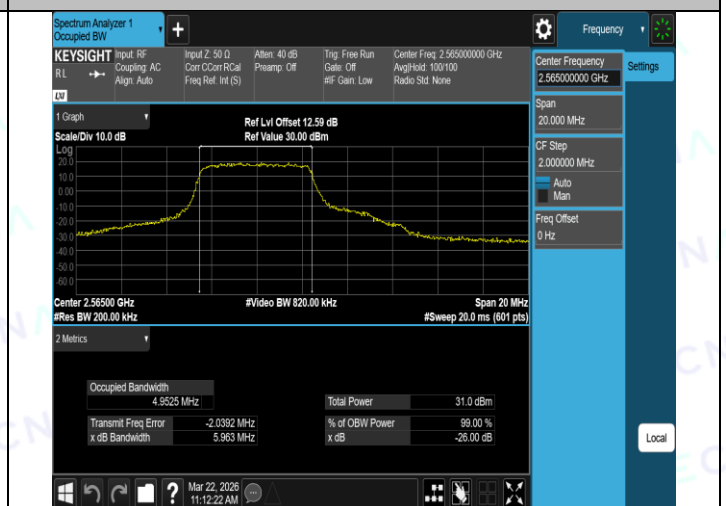
Band7-10MHz-16QAM-21100-27RB#0-PASS



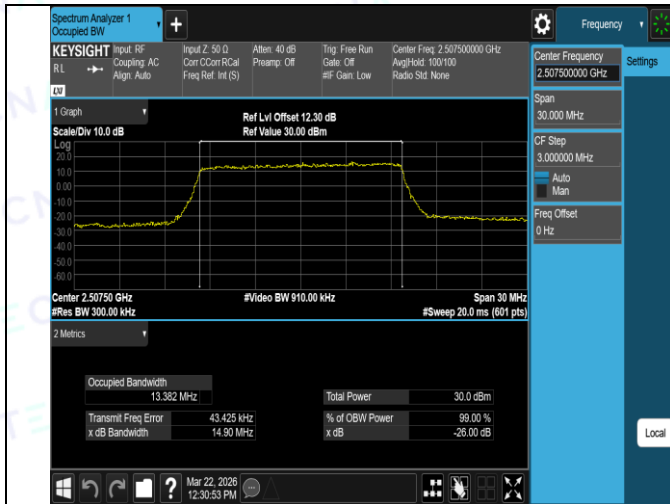
Band7-10MHz-16QAM-21400-27RB#0-PASS



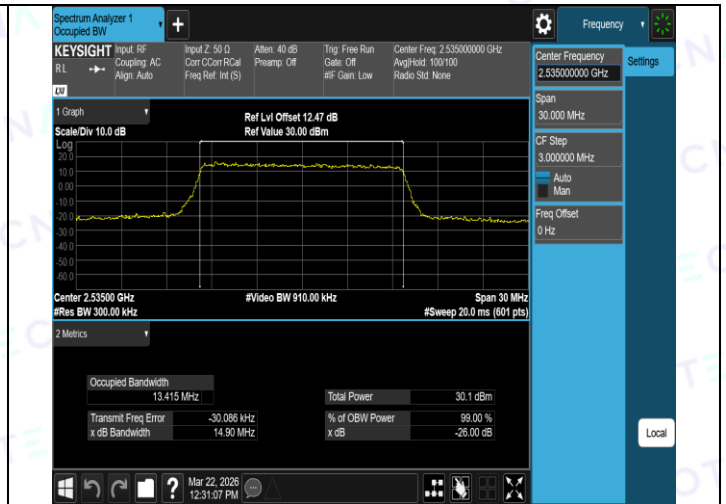
Band7-15MHz-QPSK-20825-75RB#0-PASS



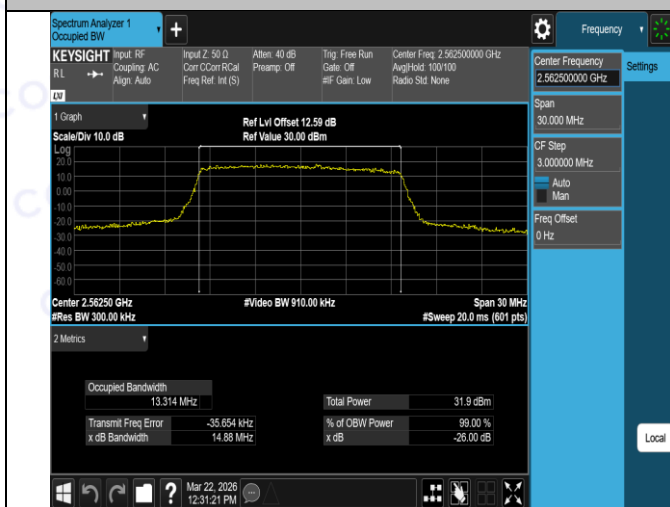
Band7-15MHz-QPSK-21100-75RB#0-PASS



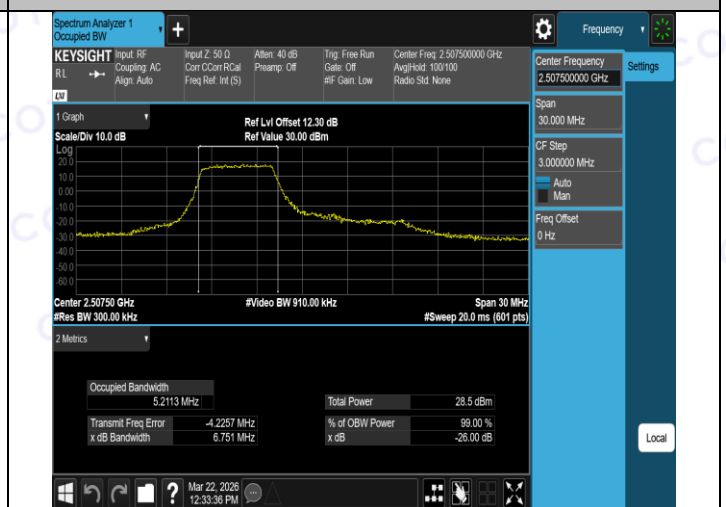
Band7-15MHz-QPSK-21375-75RB#0-PASS



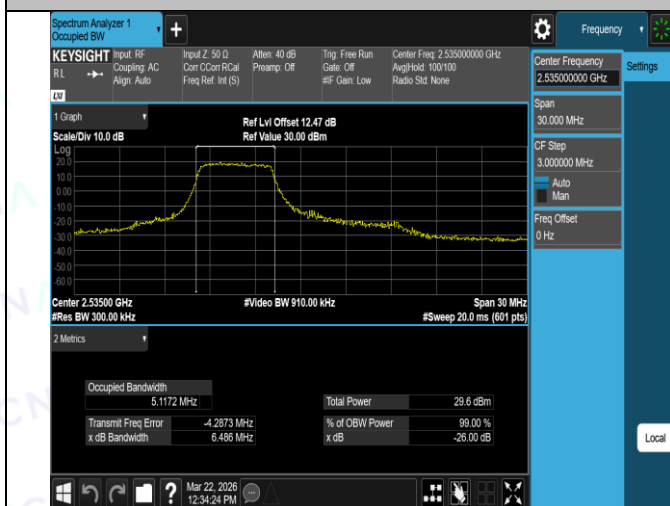
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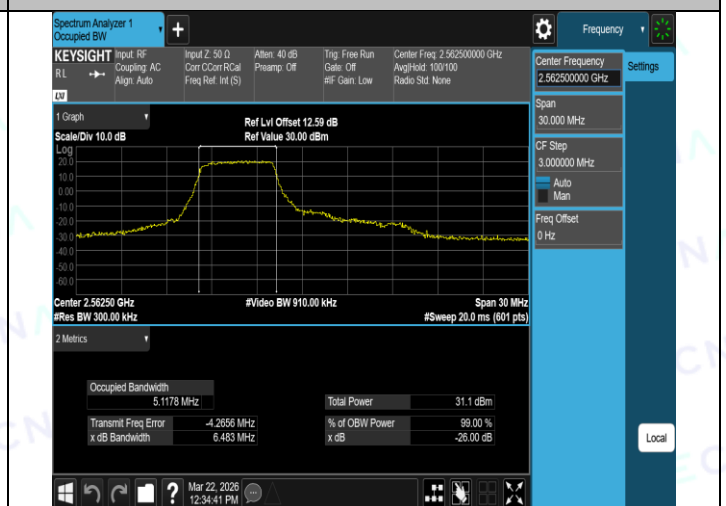
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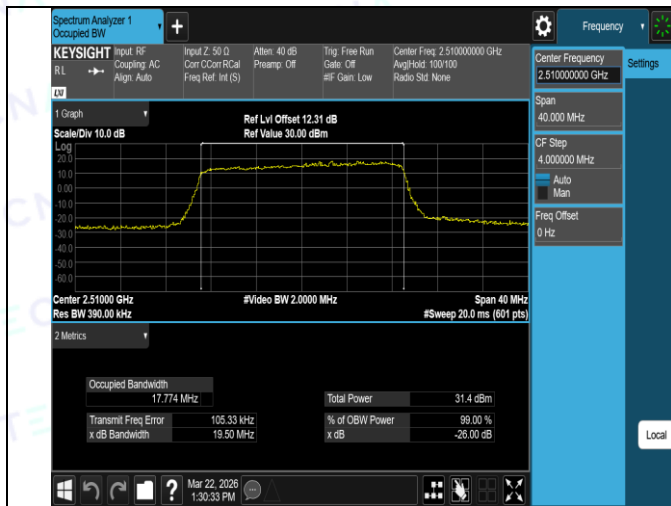
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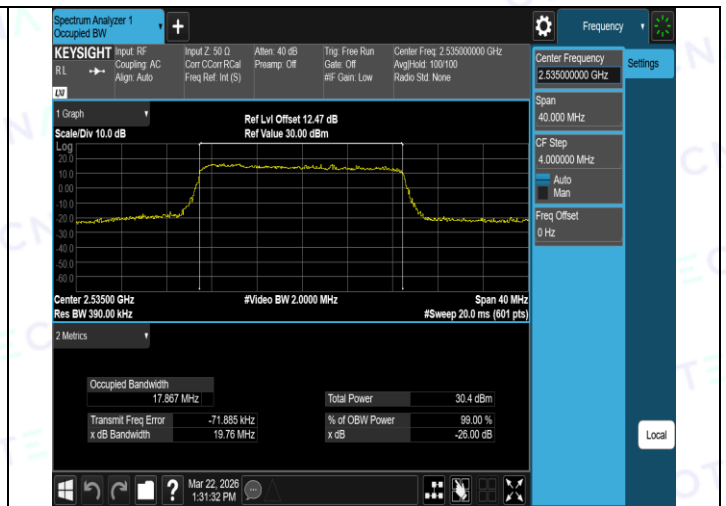
Band7-20MHz-QPSK-20850-100RB#0-PASS



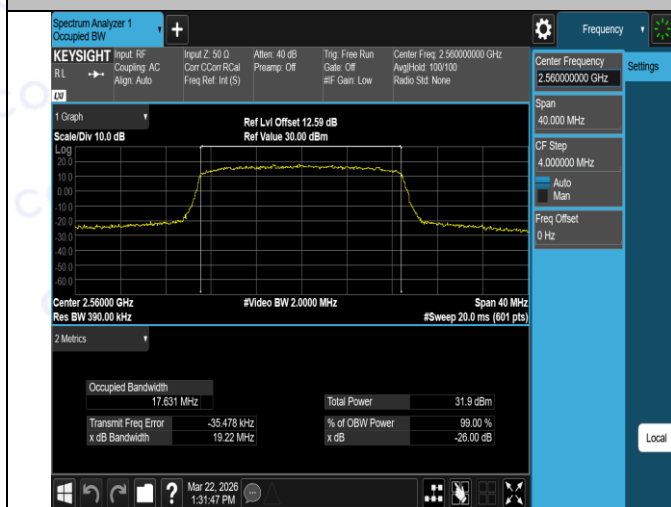
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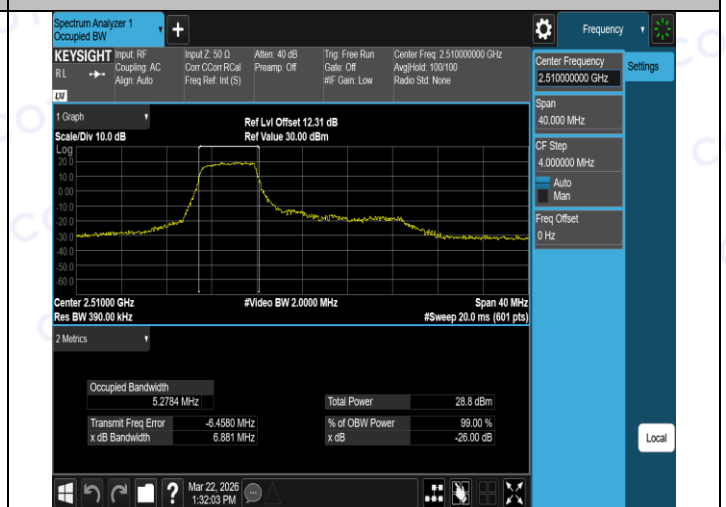
Band7-20MHz-QPSK-21350-100RB#0-PASS



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



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



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

