

GSM Test Data

General Description of EUT	
Product Name:	Tablet PC
Test Model:	IRA T1030
Sample ID:	HC-C-202406-0309-01-02
Environmental Conditions	
Temperature:	22.0℃-25℃
Relative Humidity:	43%-55%
Test Voltage:	DC 3.8V
Test Engineer:	Mike Yan
Note: For a more detailed features description, please refer to the report TBR-C-202406-0309-25 The report only show the worst case data.	

Contents

GSM Test Data1

1: Conducted Output Power Data3

 Test Result3

2: Peak-to-Average Ratio(CCDF)5

 Test Result5

 Test Graphs.....6

3: 26dB Bandwidth and Occupied Bandwidth.....9

 Test Result9

 Test Graphs.....10

4: Band Edge13

 Test Result13

 Test Graphs.....14

5: Conducted Spurious Emission16

 Test Result16

 Test Graphs.....18

6: Frequency Stability32

 Test Result32

7: Modulation Characteristics.....38

 Test Result38

 Test Graphs.....39

1: Conducted Output Power Data

Test Result

Band	Channel	ERP/EIRP(dBm)	Limit(dBm)	Verdict
GSM850	128	32.70	38.45	PASS
GSM850	190	33.02	38.45	PASS
GSM850	251	33.00	38.45	PASS
GSM1900	512	29.01	33.00	PASS
GSM1900	661	28.94	33.00	PASS
GSM1900	810	28.44	33.00	PASS

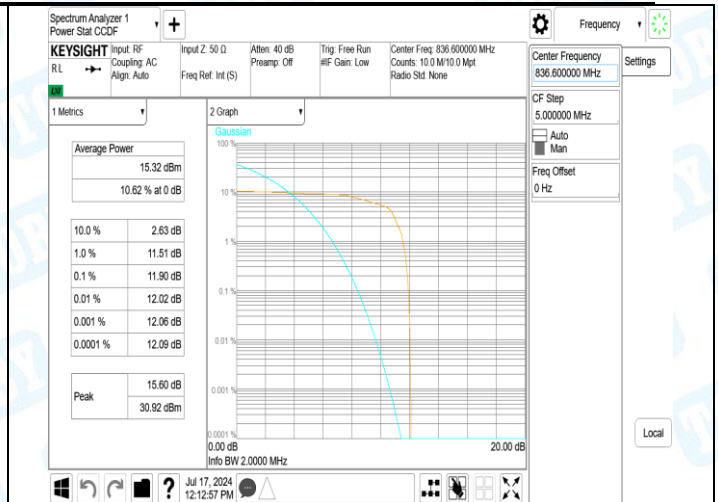
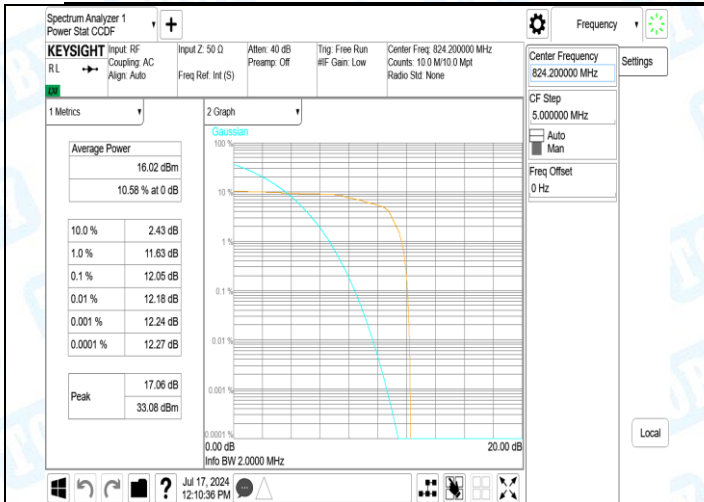
Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	32.81	38.45	PASS
GPRS850	190	1	33.02	38.45	PASS
GPRS850	251	1	32.96	38.45	PASS
GPRS850	128	2	30.69	38.45	PASS
GPRS850	190	2	30.86	38.45	PASS
GPRS850	251	2	30.63	38.45	PASS
GPRS850	128	3	28.65	38.45	PASS
GPRS850	190	3	28.65	38.45	PASS
GPRS850	251	3	28.50	38.45	PASS
GPRS850	128	4	26.33	38.45	PASS
GPRS850	190	4	26.58	38.45	PASS
GPRS850	251	4	26.46	38.45	PASS
GPRS1900	512	1	29.59	33.00	PASS
GPRS1900	661	1	29.45	33.00	PASS
GPRS1900	810	1	29.00	33.00	PASS
GPRS1900	512	2	27.56	33.00	PASS
GPRS1900	661	2	27.20	33.00	PASS
GPRS1900	810	2	26.75	33.00	PASS
GPRS1900	512	3	25.88	33.00	PASS
GPRS1900	661	3	25.53	33.00	PASS
GPRS1900	810	3	25.09	33.00	PASS
GPRS1900	512	4	23.70	33.00	PASS
GPRS1900	661	4	23.32	33.00	PASS
GPRS1900	810	4	22.89	33.00	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	25.62	38.45	PASS
EGPRS850	190	1	25.75	38.45	PASS
EGPRS850	251	1	25.53	38.45	PASS
EGPRS850	128	2	24.67	38.45	PASS
EGPRS850	190	2	25.00	38.45	PASS
EGPRS850	251	2	24.79	38.45	PASS
EGPRS850	128	3	22.51	38.45	PASS
EGPRS850	190	3	22.92	38.45	PASS
EGPRS850	251	3	22.72	38.45	PASS
EGPRS850	128	4	20.23	38.45	PASS
EGPRS850	190	4	20.75	38.45	PASS
EGPRS850	251	4	20.53	38.45	PASS
EGPRS1900	512	1	27.12	33.00	PASS
EGPRS1900	661	1	26.82	33.00	PASS
EGPRS1900	810	1	26.28	33.00	PASS
EGPRS1900	512	2	25.97	33.00	PASS
EGPRS1900	661	2	25.90	33.00	PASS
EGPRS1900	810	2	25.31	33.00	PASS
EGPRS1900	512	3	23.55	33.00	PASS
EGPRS1900	661	3	23.61	33.00	PASS
EGPRS1900	810	3	23.05	33.00	PASS
EGPRS1900	512	4	21.74	33.00	PASS
EGPRS1900	661	4	21.74	33.00	PASS
EGPRS1900	810	4	21.22	33.00	PASS

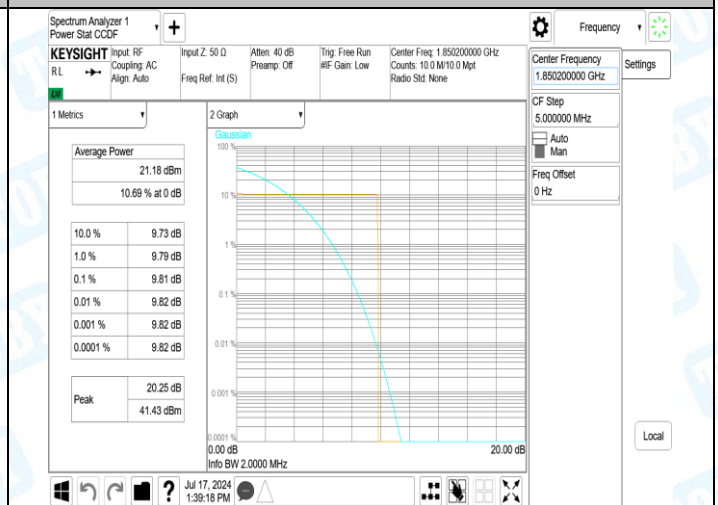
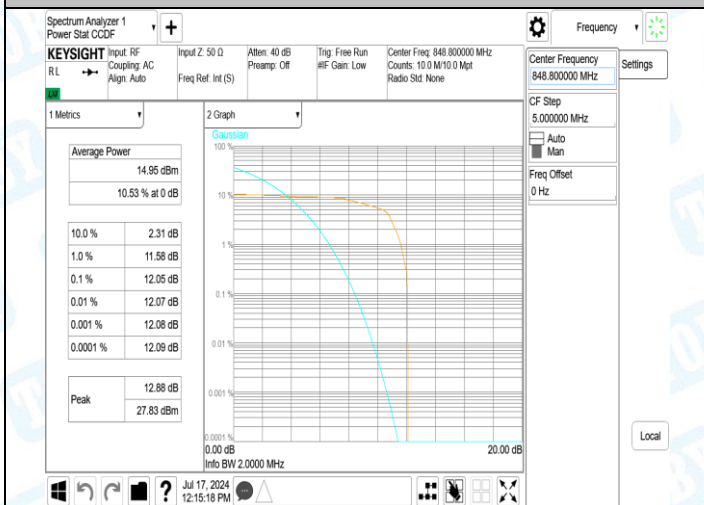
2: Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GPRS850	128	9.68	13	PASS
GSM850	128	9.60	13	PASS
GPRS850	190	9.41	13	PASS
GSM850	190	9.69	13	PASS
GPRS850	251	9.67	13	PASS
GSM850	251	9.50	13	PASS
EGPRS850	128	12.05	13	PASS
EGPRS850	190	11.90	13	PASS
EGPRS850	251	12.05	13	PASS
GPRS1900	512	9.81	13	PASS
GSM1900	512	9.66	13	PASS
GPRS1900	661	9.44	13	PASS
GSM1900	661	9.60	13	PASS
GPRS1900	810	9.53	13	PASS
GSM1900	810	9.58	13	PASS
EGPRS1900	512	12.15	13	PASS
EGPRS1900	661	12.05	13	PASS
EGPRS1900	810	12.04	13	PASS

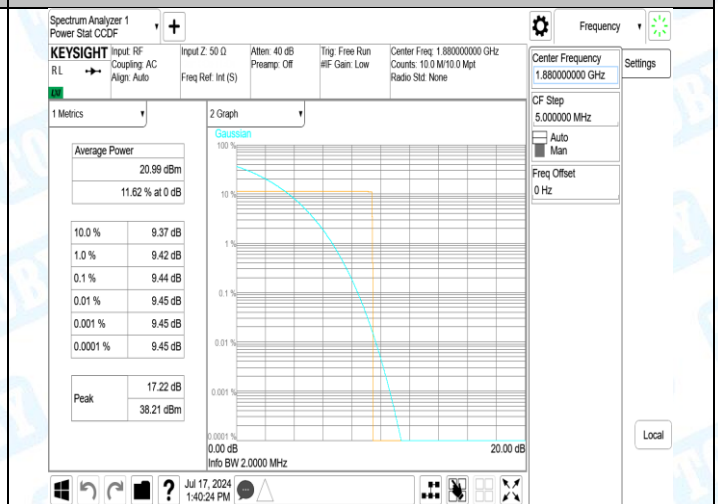
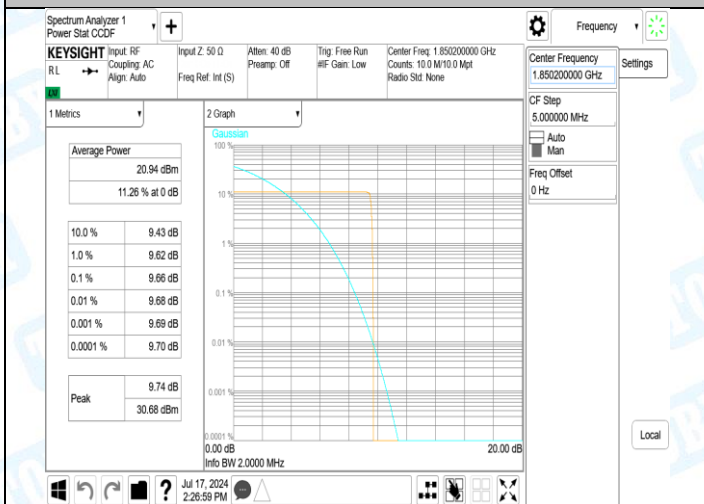


EGPRS850-251-8-PASS



GPRS1900-512-0-PASS

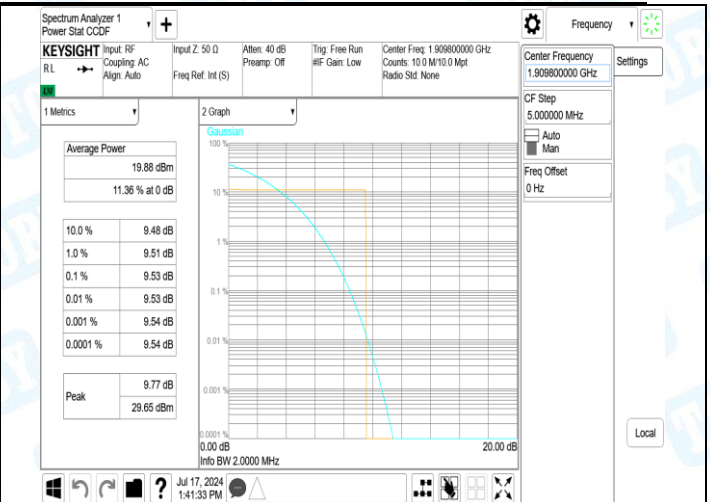
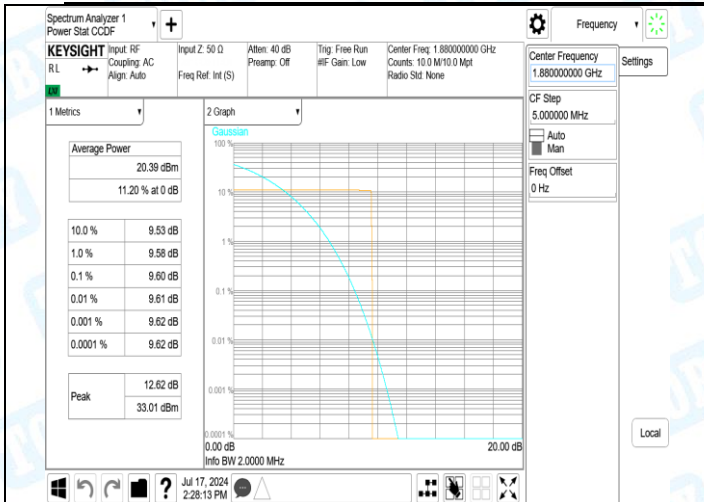
GSM1900-512-0-PASS



GPRS1900-661-0-PASS

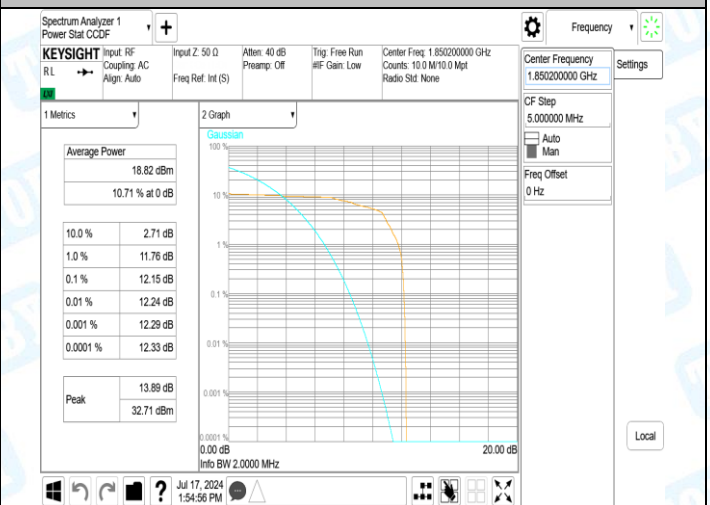
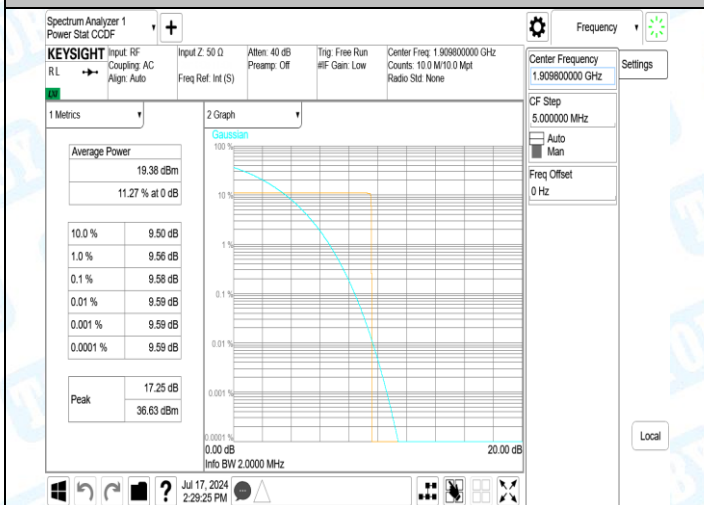
GSM1900-661-0-PASS

GPRS1900-810-0-PASS



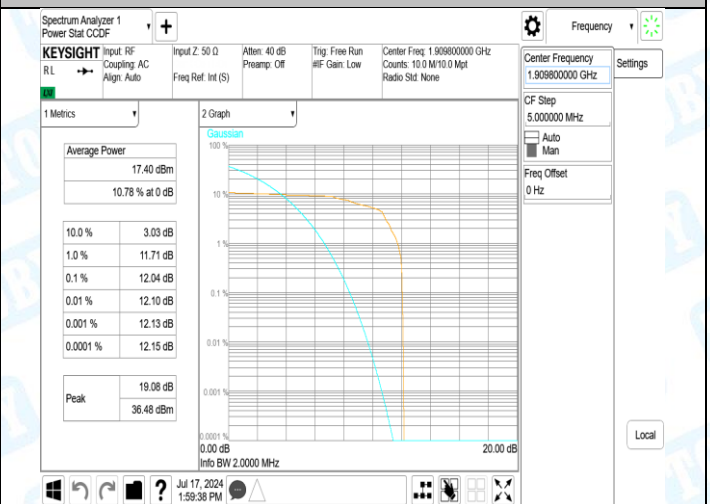
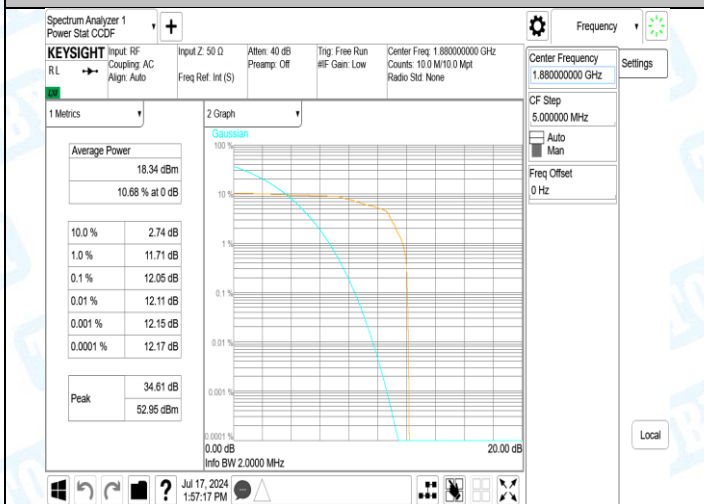
GSM1900-810-0-PASS

EGPRS1900-512-2-PASS



EGPRS1900-661-2-PASS

EGPRS1900-810-2-PASS

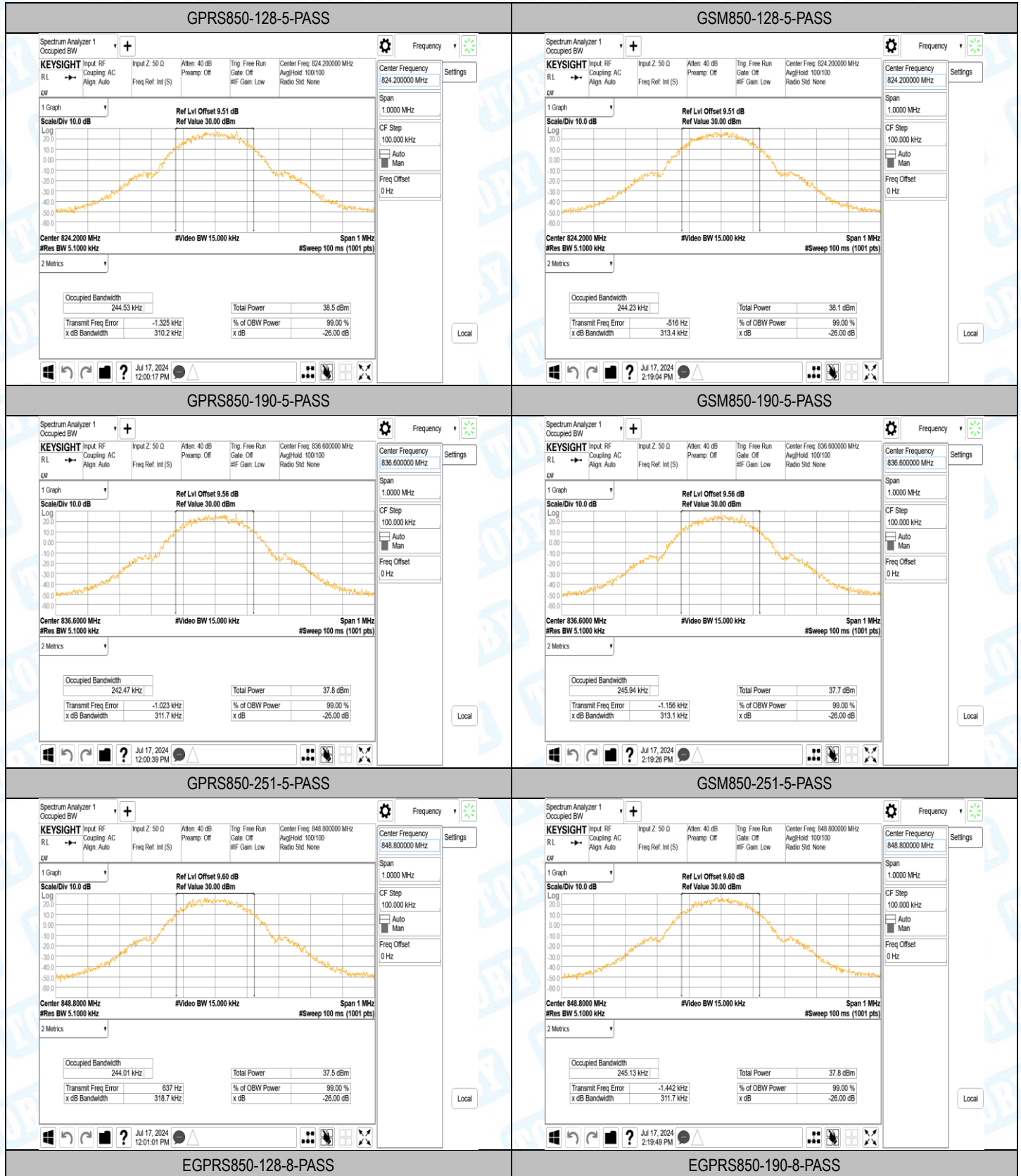


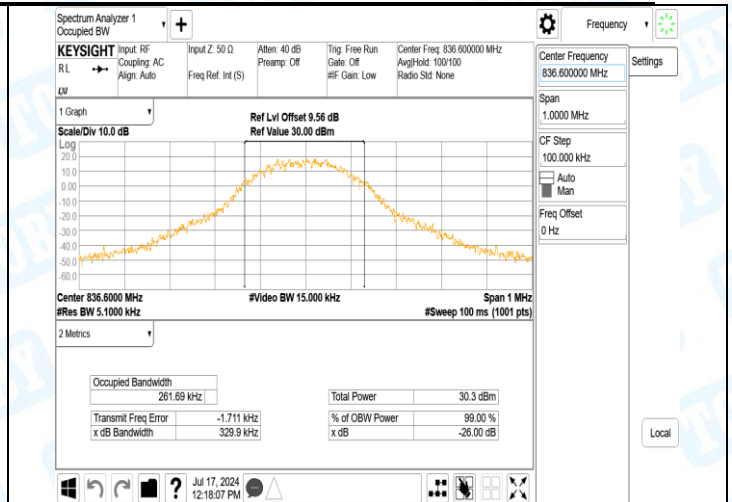
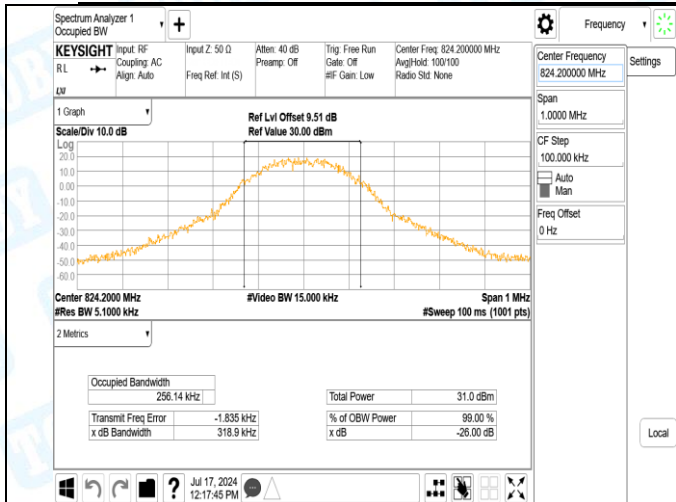
3: 26dB Bandwidth and Occupied Bandwidth

Test Result

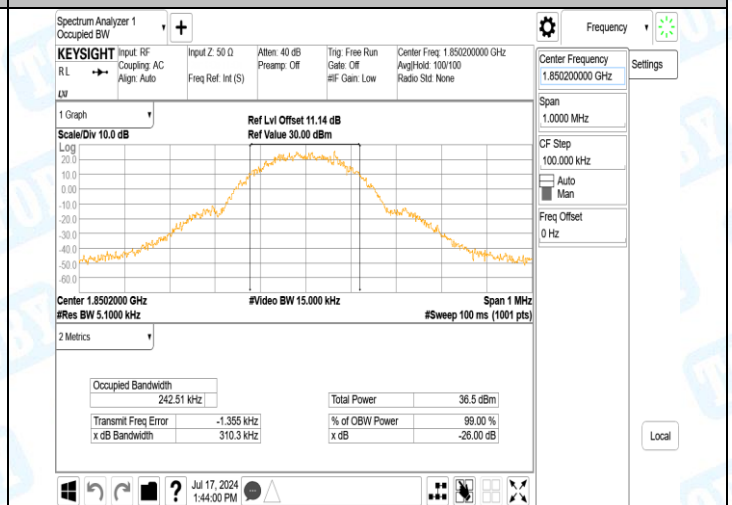
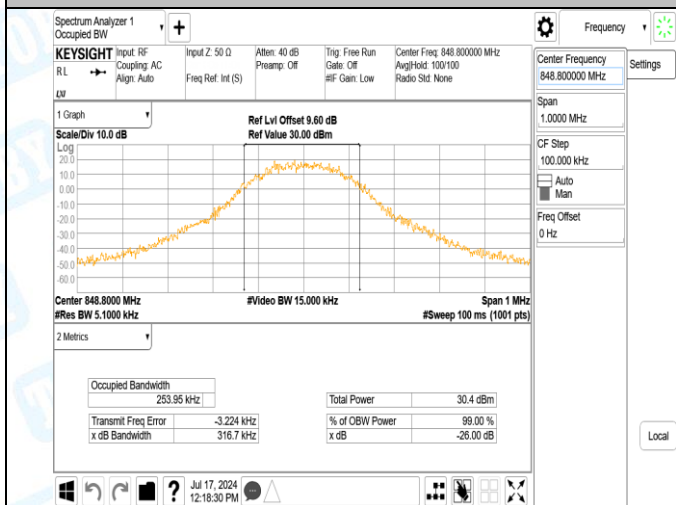
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GPRS850	128	0.24453	0.3102	---	PASS
GSM850	128	0.24423	0.3134	---	PASS
GPRS850	190	0.24247	0.3117	---	PASS
GSM850	190	0.24594	0.3131	---	PASS
GPRS850	251	0.24401	0.3187	---	PASS
GSM850	251	0.24513	0.3117	---	PASS
EGPRS850	128	0.25614	0.3189	---	PASS
EGPRS850	190	0.26169	0.3299	---	PASS
EGPRS850	251	0.25395	0.3167	---	PASS
GPRS1900	512	0.24251	0.3103	---	PASS
GSM1900	512	0.24448	0.3106	---	PASS
GPRS1900	661	0.24469	0.3060	---	PASS
GSM1900	661	0.24319	0.3112	---	PASS
GPRS1900	810	0.24402	0.3138	---	PASS
GSM1900	810	0.23991	0.3131	---	PASS
EGPRS1900	512	0.24905	0.3089	---	PASS
EGPRS1900	661	0.25410	0.3242	---	PASS
EGPRS1900	810	0.24794	0.3078	---	PASS

Test Graphs



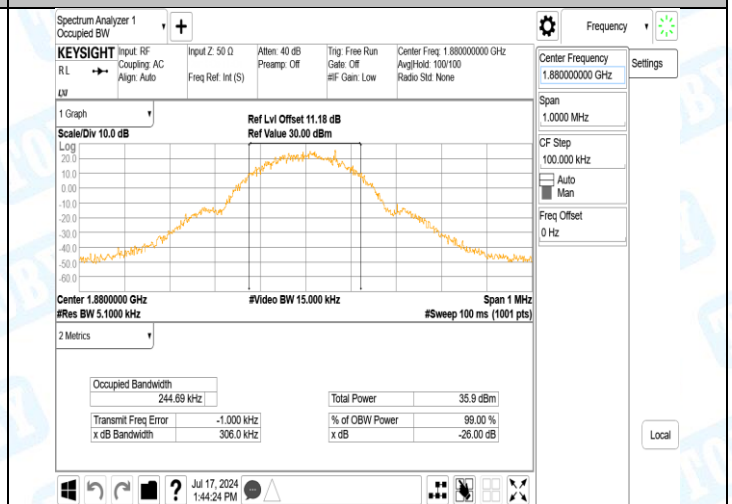
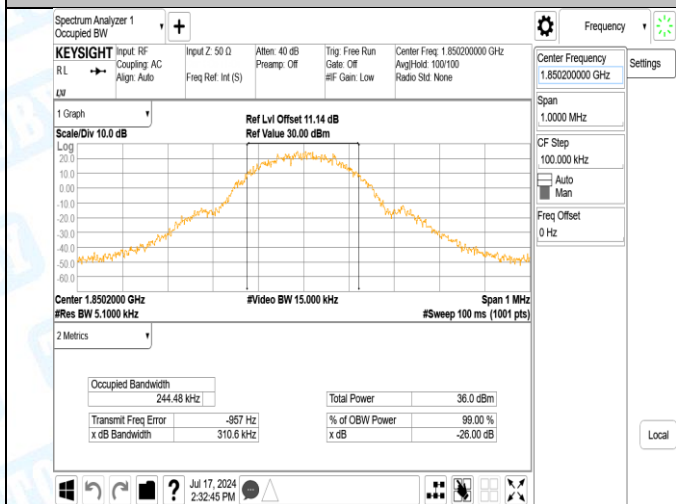


EGPRS850-251-8-PASS



GPRS1900-512-0-PASS

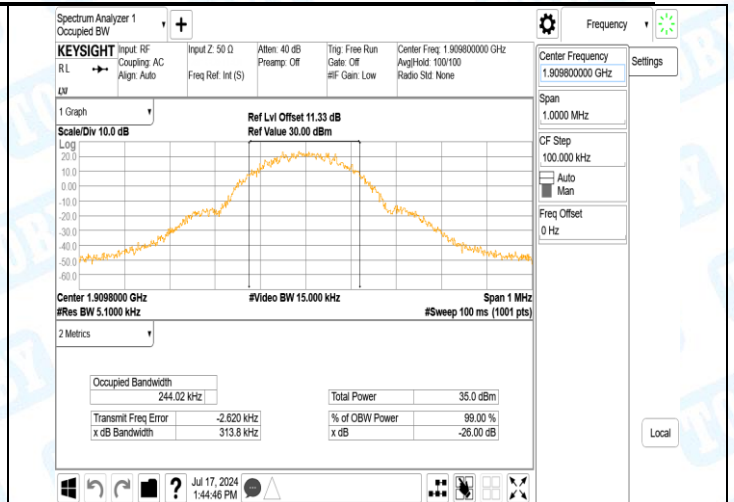
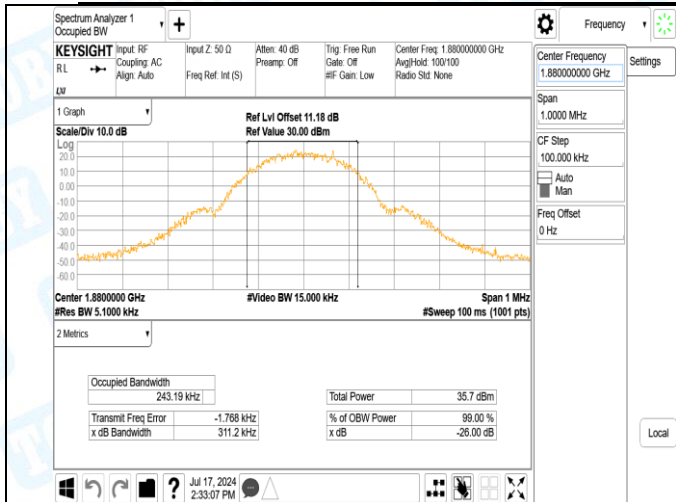
GSM1900-512-0-PASS



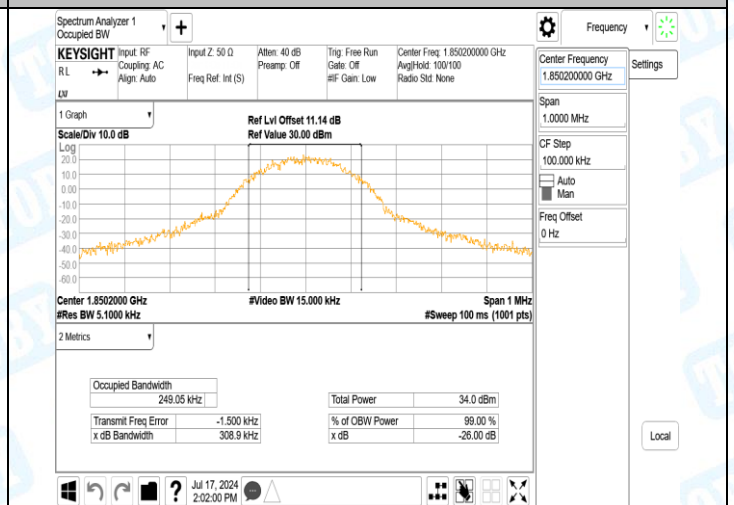
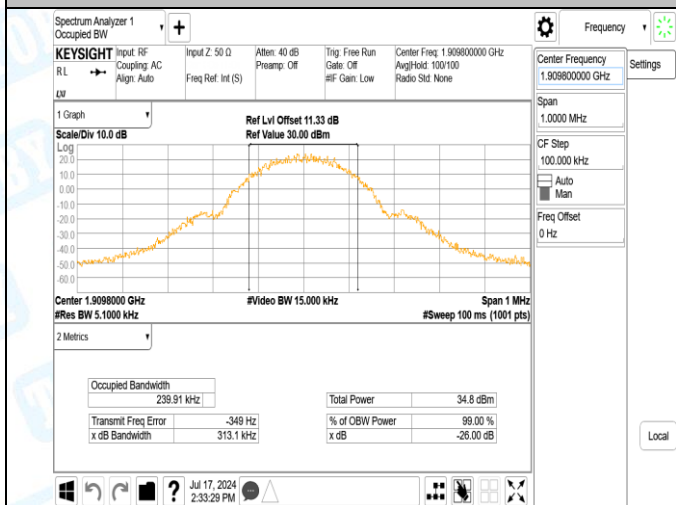
GPRS1900-661-0-PASS

GSM1900-661-0-PASS

GPRS1900-810-0-PASS

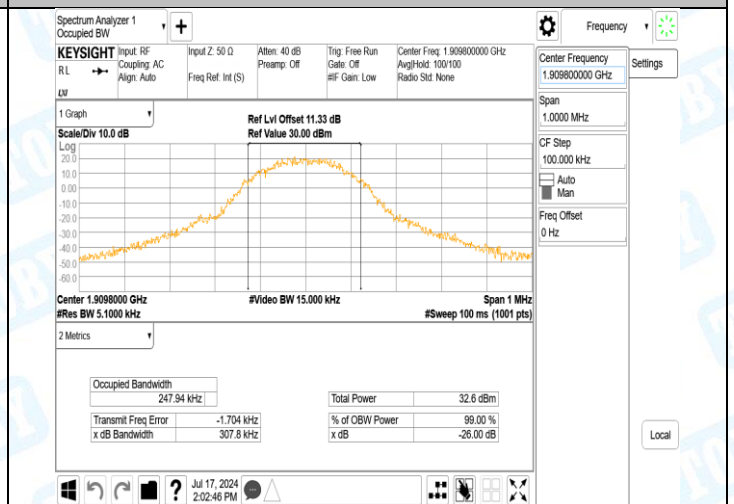
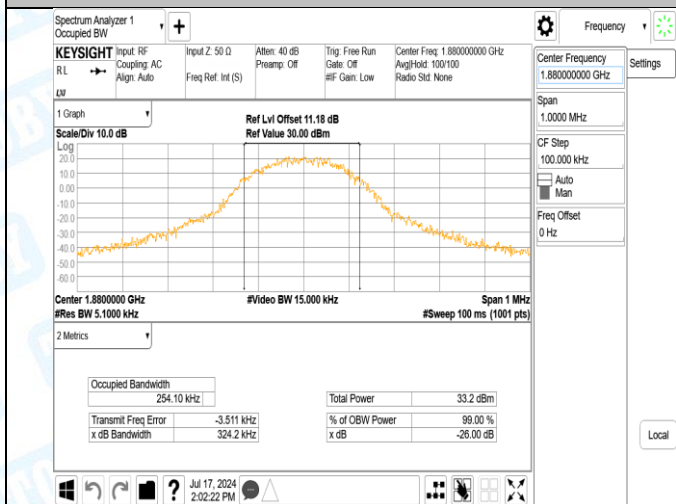


GSM1900-810-0-PASS



EGPRS1900-512-2-PASS

EGPRS1900-661-2-PASS



EGPRS1900-810-2-PASS

4: Band Edge

Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	823.98	-18.83	-13	PASS
GPRS850	128	823.97	-19.40	-13	PASS
GSM850	251	849.02	-17.31	-13	PASS
GPRS850	251	849.00	-18.05	-13	PASS
EGPRS850	128	823.99	-20.17	-13	PASS
EGPRS850	251	849.00	-18.74	-13	PASS
GPRS1900	512	1849.98	-15.08	-13	PASS
GSM1900	512	1850.00	-19.52	-13	PASS
GPRS1900	810	1910.02	-14.87	-13	PASS
GSM1900	810	1910.02	-20.50	-13	PASS
EGPRS1900	512	1850.00	-16.96	-13	PASS
EGPRS1900	810	1910.00	-19.53	-13	PASS