

GSM Test Data

General Description of EUT	
Product Name:	Tablet
Test Model:	B10
Environmental Conditions	
Temperature:	22.0℃-25℃
Relative Humidity:	43%-55%
Test Voltage:	DC 3.85V
Test Engineer:	Lily zhang
Note: For a more detailed features description, please refer to the report TBR-C-202511-0314-193. The report only show the worst case data.	

Contents

GSM Test Data 1

1: Conducted Output Power Data 3

 Test Result 3

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

 Test Result 5

 Test Graphs.....6

3: 26dB Bandwidth and Occupied Bandwidth 9

 Test Result 9

 Test Graphs.....10

4: Band Edge 13

 Test Result 13

 Test Graphs.....14

5: Conducted Spurious Emission 16

 Test Result 16

 Test Graphs.....18

6: Frequency Stability 32

 Test Result 32

7: Modulation Characteristics.....38

 Test Result 38

 Test Graphs.....39

1: Conducted Output Power Data

Test Result

Band	Channel	ERP/EIRP(dBm)	Limit(dBm)	Verdict
GSM850	128	32.13	38.45	PASS
GSM850	190	32.18	38.45	PASS
GSM850	251	32.00	38.45	PASS
GSM1900	512	29.16	33	PASS
GSM1900	661	29.15	33	PASS
GSM1900	810	28.96	33	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	32.14	38.45	PASS
GPRS850	190	1	32.18	38.45	PASS
GPRS850	251	1	32.01	38.45	PASS
GPRS850	128	2	31.54	38.45	PASS
GPRS850	190	2	31.55	38.45	PASS
GPRS850	251	2	31.35	38.45	PASS
GPRS850	128	3	30.08	38.45	PASS
GPRS850	190	3	30.00	38.45	PASS
GPRS850	251	3	29.78	38.45	PASS
GPRS850	128	4	29.12	38.45	PASS
GPRS850	190	4	29.01	38.45	PASS
GPRS850	251	4	28.77	38.45	PASS
GPRS1900	512	1	30.22	33	PASS
GPRS1900	661	1	30.55	33	PASS
GPRS1900	810	1	30.73	33	PASS
GPRS1900	512	2	29.55	33	PASS
GPRS1900	661	2	29.86	33	PASS
GPRS1900	810	2	30.01	33	PASS
GPRS1900	512	3	27.87	33	PASS
GPRS1900	661	3	28.21	33	PASS
GPRS1900	810	3	28.38	33	PASS
GPRS1900	512	4	26.82	33	PASS
GPRS1900	661	4	27.18	33	PASS
GPRS1900	810	4	27.34	33	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	26.68	38.45	PASS
EGPRS850	190	1	26.66	38.45	PASS
EGPRS850	251	1	26.45	38.45	PASS
EGPRS850	128	2	25.65	38.45	PASS
EGPRS850	190	2	25.50	38.45	PASS
EGPRS850	251	2	25.31	38.45	PASS
EGPRS850	128	3	23.58	38.45	PASS
EGPRS850	190	3	23.43	38.45	PASS
EGPRS850	251	3	23.28	38.45	PASS
EGPRS850	128	4	22.51	38.45	PASS
EGPRS850	190	4	22.27	38.45	PASS
EGPRS850	251	4	22.11	38.45	PASS
EGPRS1900	512	1	26.88	33	PASS
EGPRS1900	661	1	27.08	33	PASS
EGPRS1900	810	1	27.23	33	PASS
EGPRS1900	512	2	26.00	33	PASS
EGPRS1900	661	2	26.26	33	PASS
EGPRS1900	810	2	26.38	33	PASS
EGPRS1900	512	3	24.23	33	PASS
EGPRS1900	661	3	24.51	33	PASS
EGPRS1900	810	3	24.72	33	PASS
EGPRS1900	512	4	23.13	33	PASS
EGPRS1900	661	4	23.54	33	PASS
EGPRS1900	810	4	23.67	33	PASS

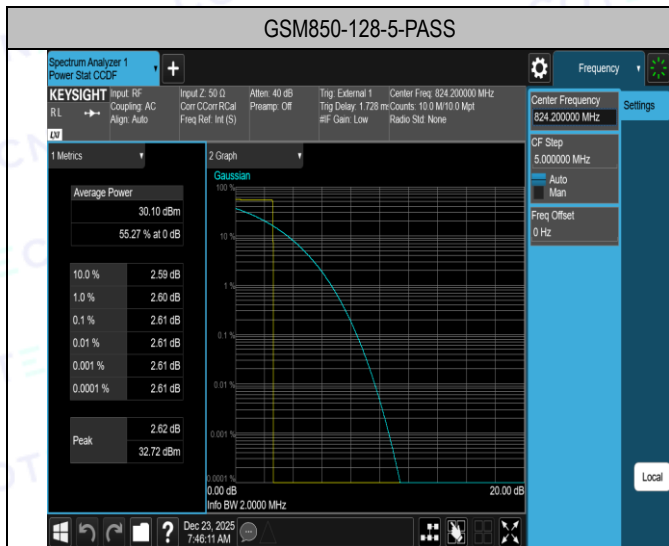
2: Peak-to-Average Ratio(CCDF)

Test Result

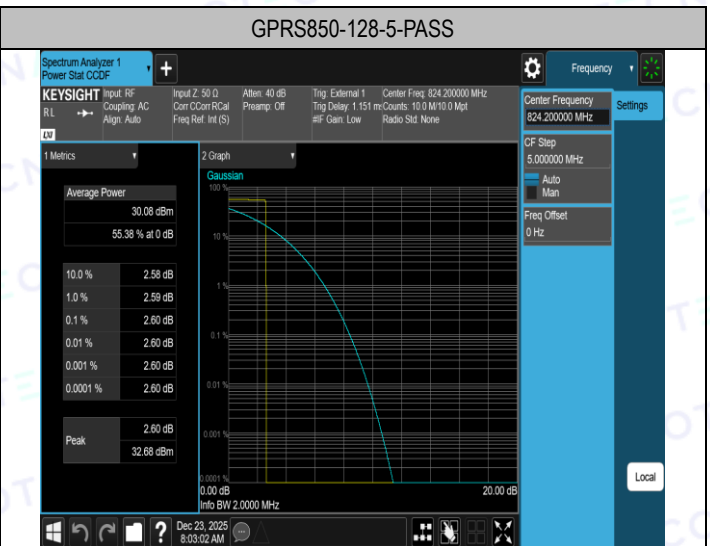
Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	2.61	13	PASS
GPRS850	128	2.60	13	PASS
GSM850	190	2.61	13	PASS
GPRS850	190	2.60	13	PASS
GSM850	251	2.61	13	PASS
GPRS850	251	2.59	13	PASS
EGPRS850	128	5.46	13	PASS
EGPRS850	190	5.49	13	PASS
EGPRS850	251	5.51	13	PASS
GSM1900	512	8.41	13	PASS
GPRS1900	512	2.64	13	PASS
GSM1900	661	8.42	13	PASS
GPRS1900	661	2.66	13	PASS
GSM1900	810	8.42	13	PASS
EGPRS1900	512	5.13	13	PASS
EGPRS1900	661	5.08	13	PASS
EGPRS1900	810	5.07	13	PASS

Test Graphs

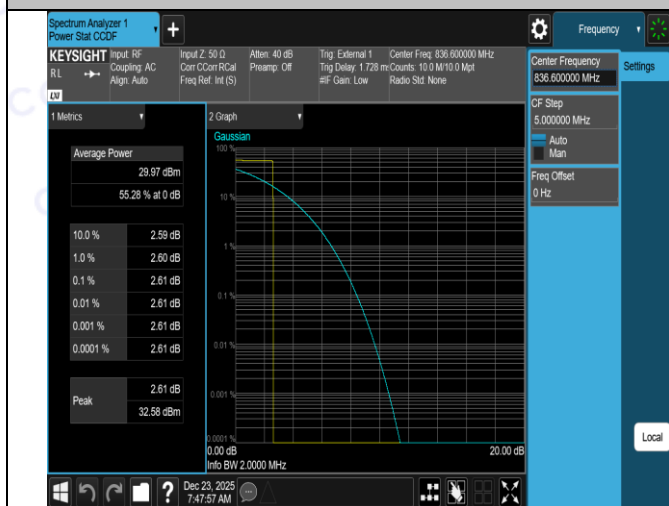
GSM850-128-5-PASS



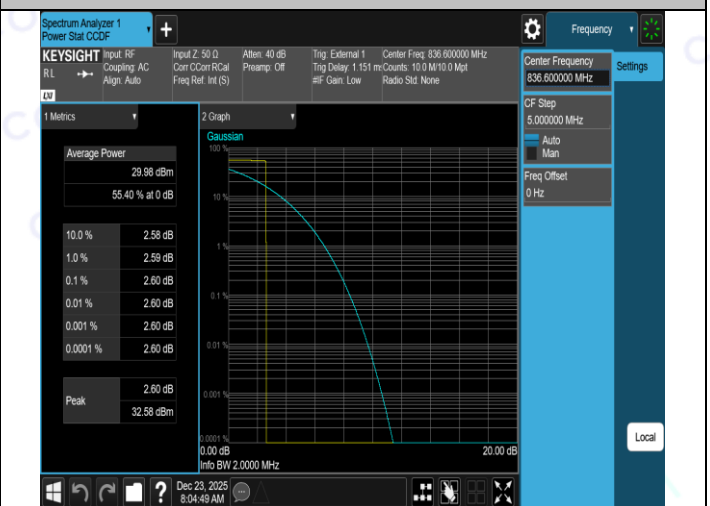
GPRS850-128-5-PASS



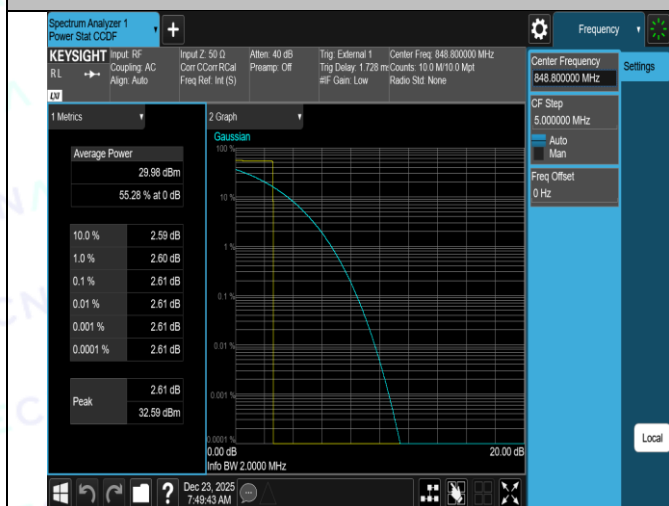
GSM850-190-5-PASS



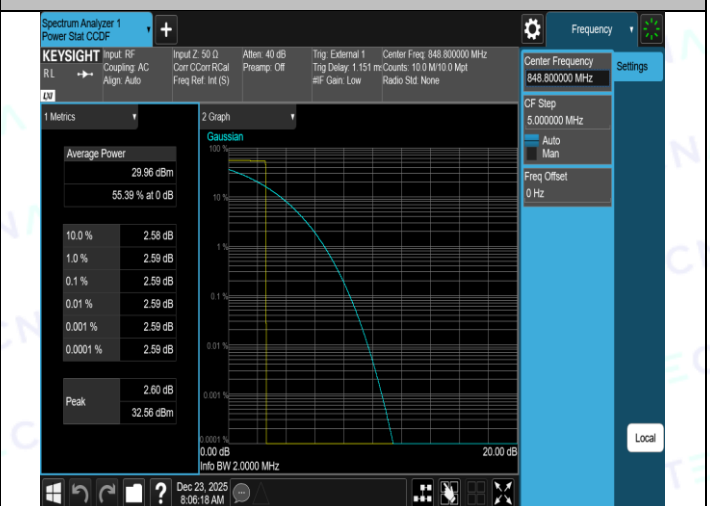
GPRS850-190-5-PASS



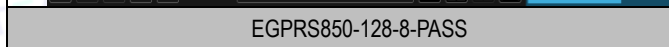
GSM850-251-5-PASS



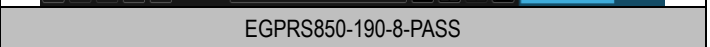
GPRS850-251-5-PASS

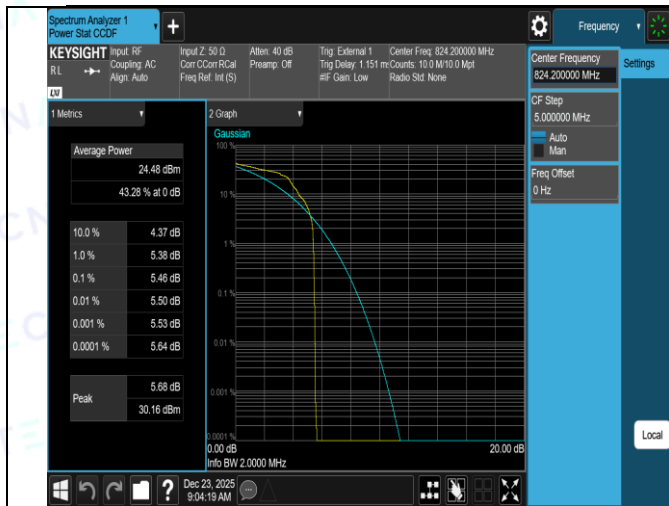


EGPRS850-128-8-PASS

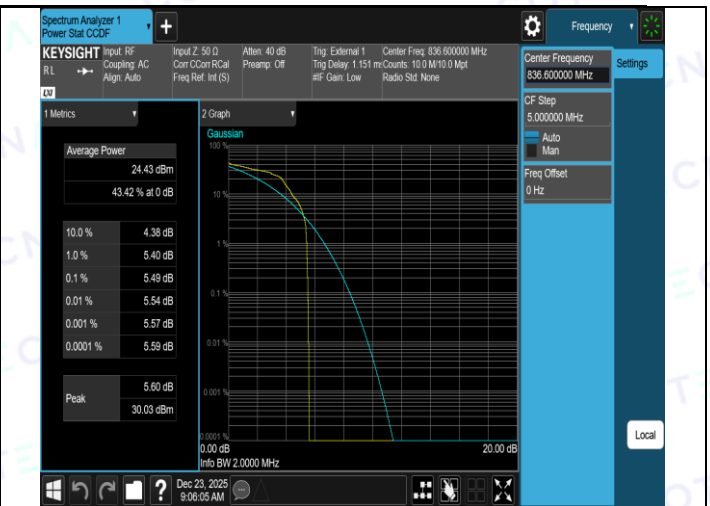


EGPRS850-190-8-PASS

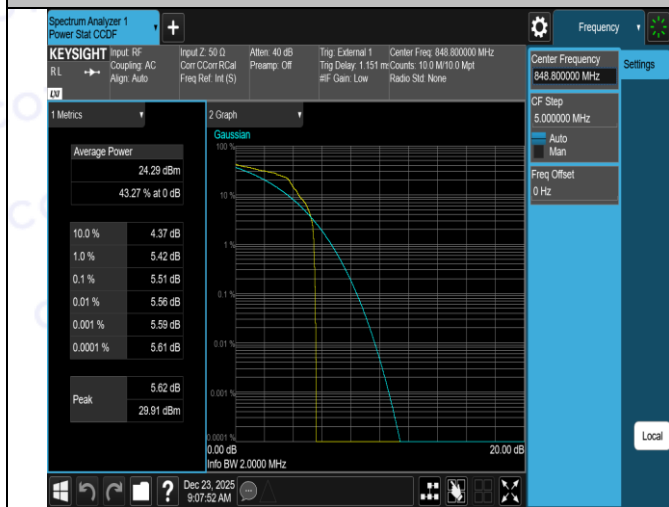




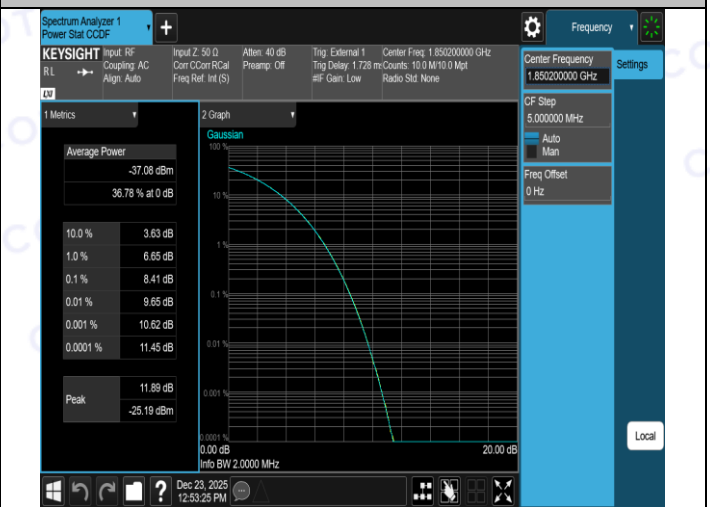
EGPRS850-251-8-PASS



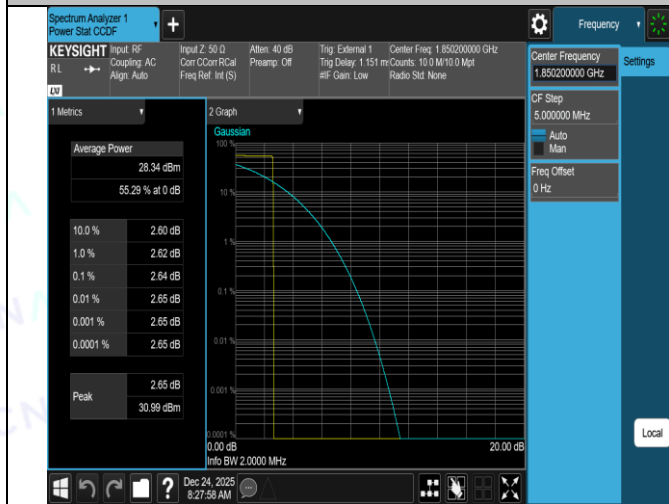
GSM1900-512-0-PASS



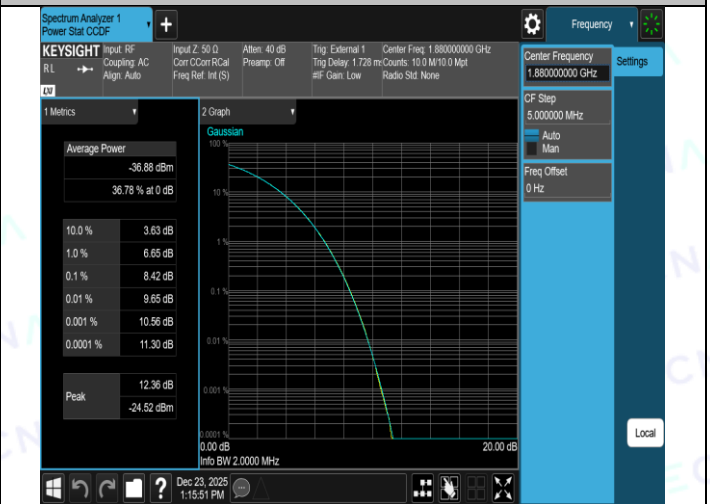
GPRS1900-512-0-PASS



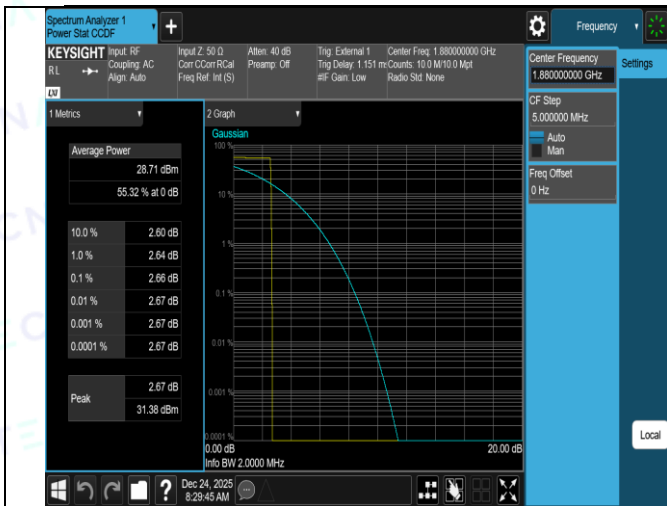
GSM1900-661-0-PASS



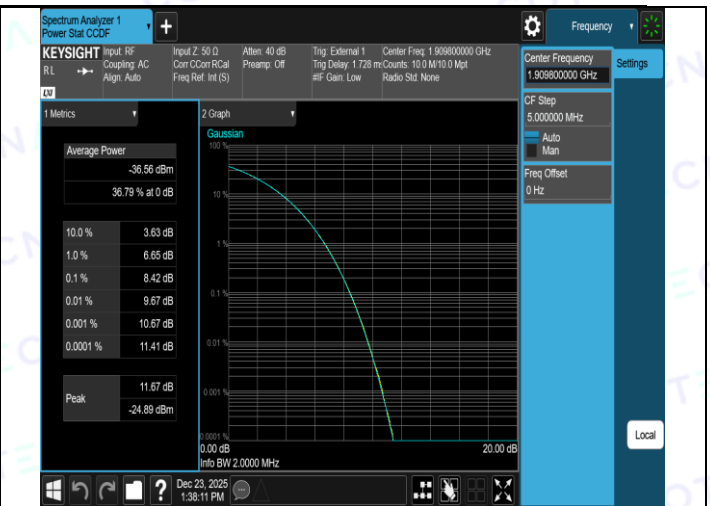
GPRS1900-661-0-PASS



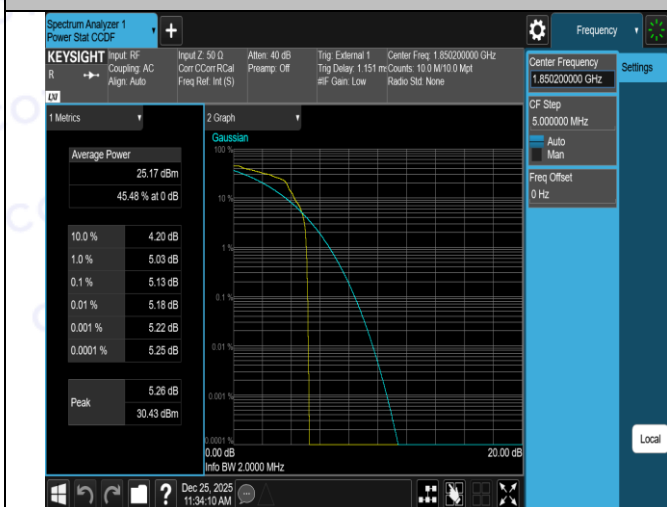
GSM1900-810-0-PASS



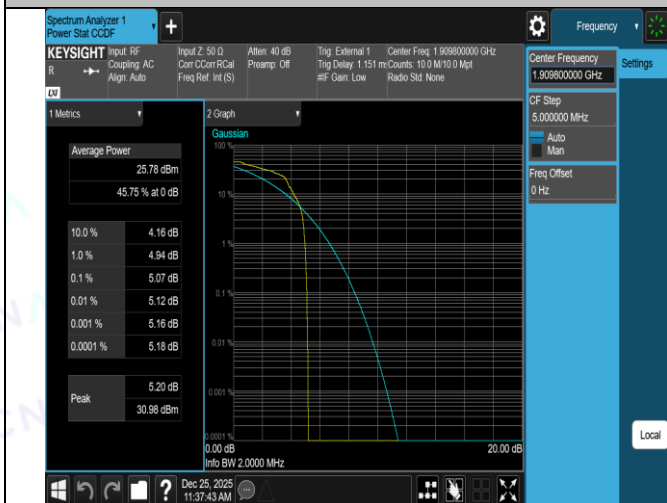
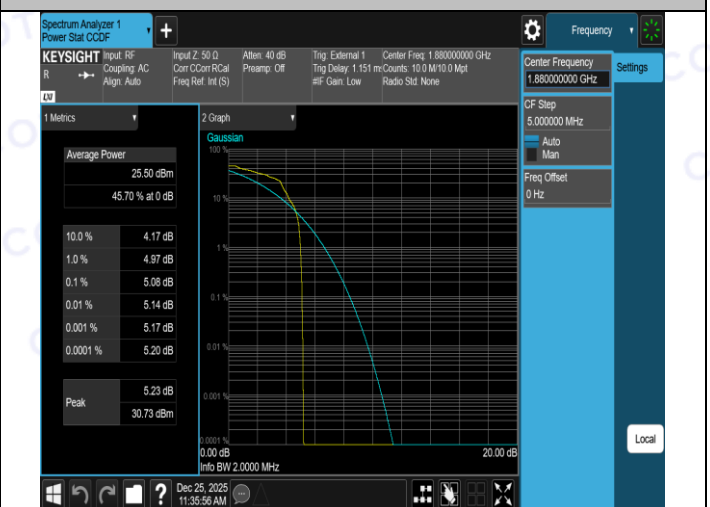
EGPRS1900-512-2-PASS



EGPRS1900-661-2-PASS



EGPRS1900-810-2-PASS

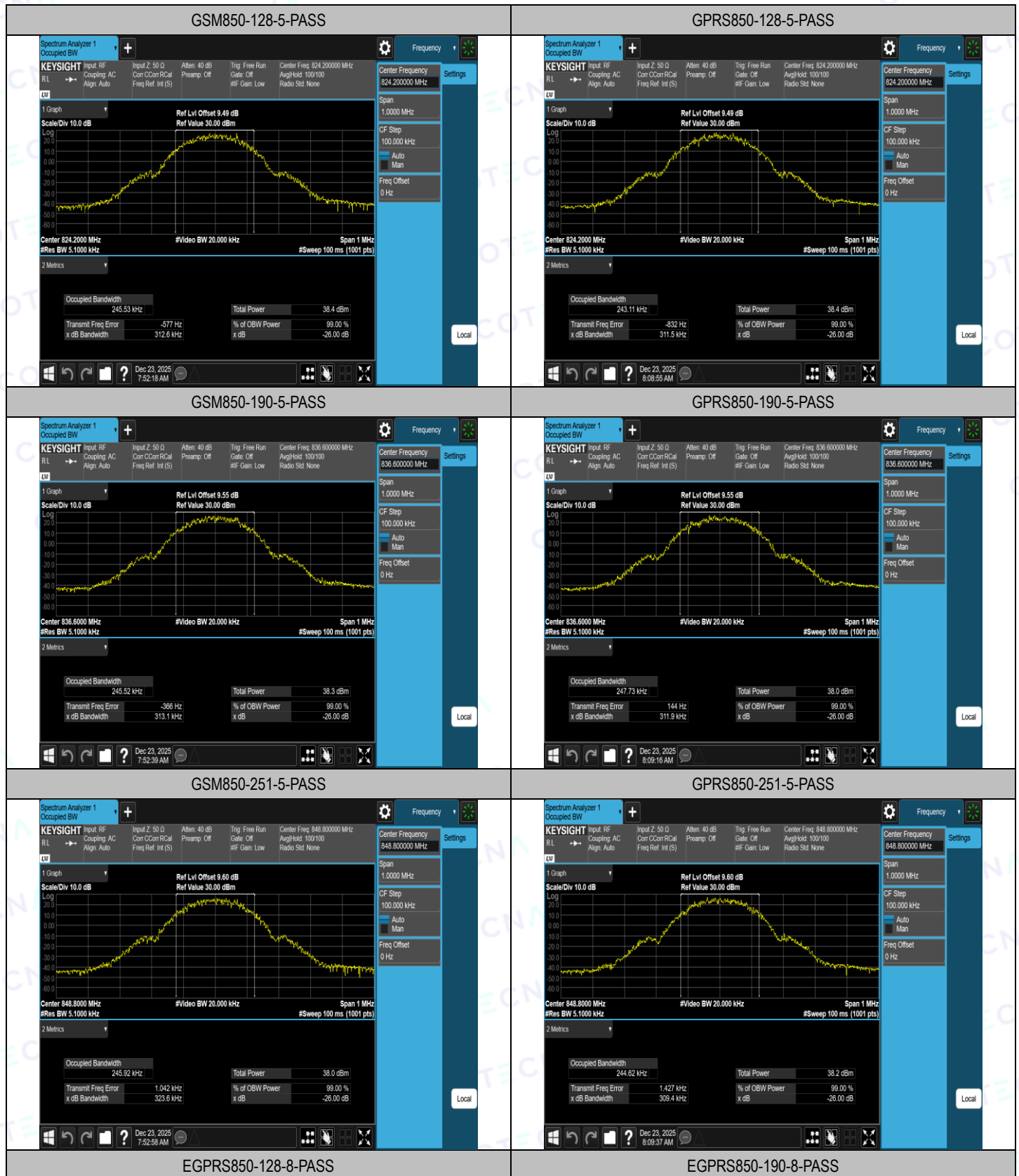


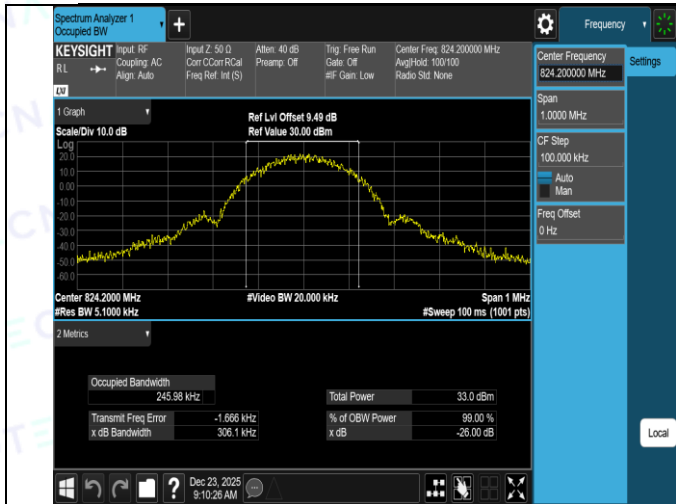
3: 26dB Bandwidth and Occupied Bandwidth

Test Result

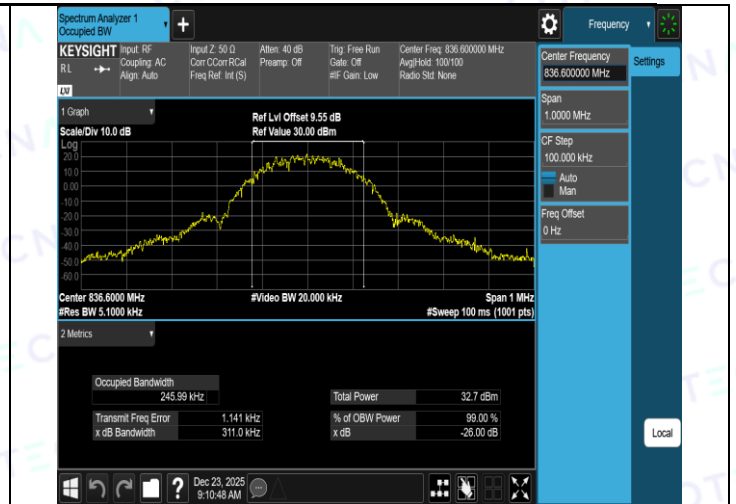
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.24553	0.3126	---	PASS
GPRS850	128	0.24311	0.3115	---	PASS
GSM850	190	0.24552	0.3131	---	PASS
GPRS850	190	0.24773	0.3119	---	PASS
GSM850	251	0.24592	0.3236	---	PASS
GPRS850	251	0.24462	0.3094	---	PASS
EGPRS850	128	0.24598	0.3061	---	PASS
EGPRS850	190	0.24599	0.3110	---	PASS
EGPRS850	251	0.24859	0.3121	---	PASS
GSM1900	512	0.24301	0.3134	---	PASS
GPRS1900	512	0.24620	0.3102	---	PASS
GSM1900	661	0.24199	0.3126	---	PASS
GPRS1900	661	0.24465	0.3108	---	PASS
GSM1900	810	0.24354	0.3068	---	PASS
GPRS1900	810	0.24436	0.3064	---	PASS
EGPRS1900	512	0.25193	0.3178	---	PASS
EGPRS1900	661	0.25684	0.3284	---	PASS
EGPRS1900	810	0.25543	0.3215	---	PASS

Test Graphs





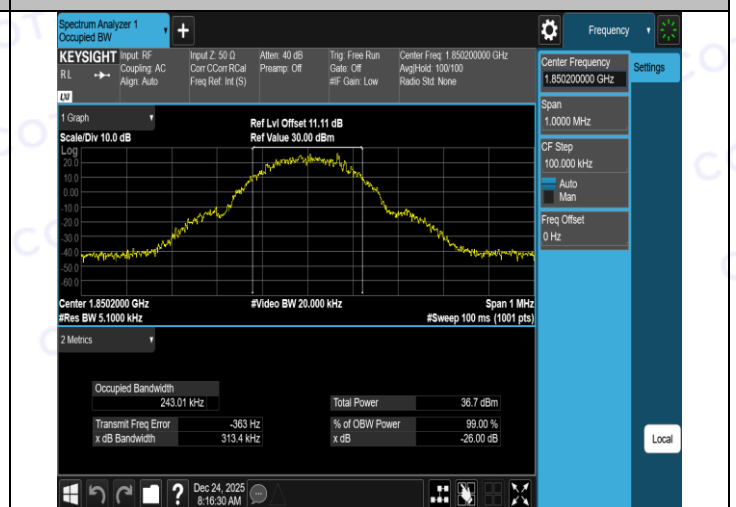
EGPRS850-251-8-PASS



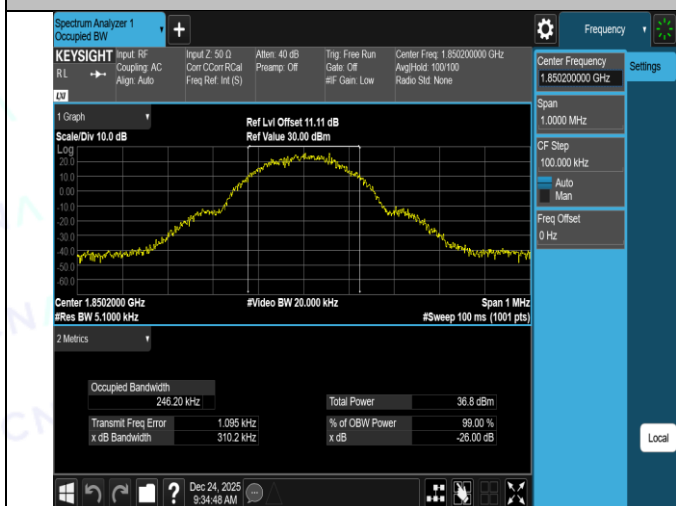
GSM1900-512-0-PASS



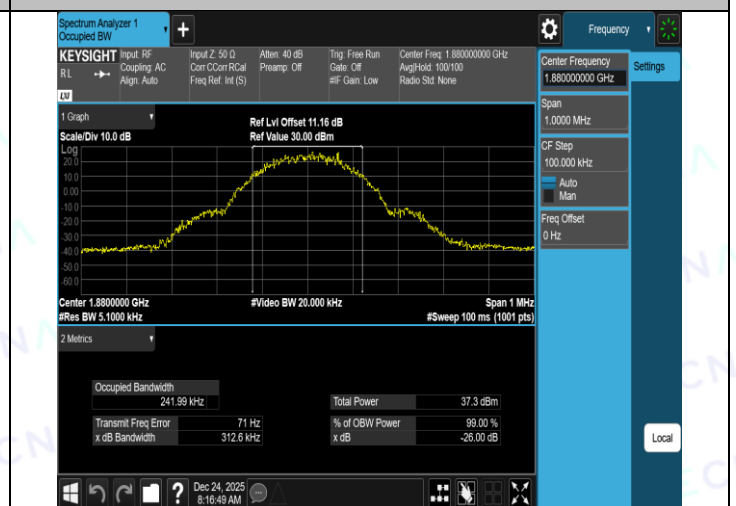
GPRS1900-512-0-PASS



GSM1900-661-0-PASS



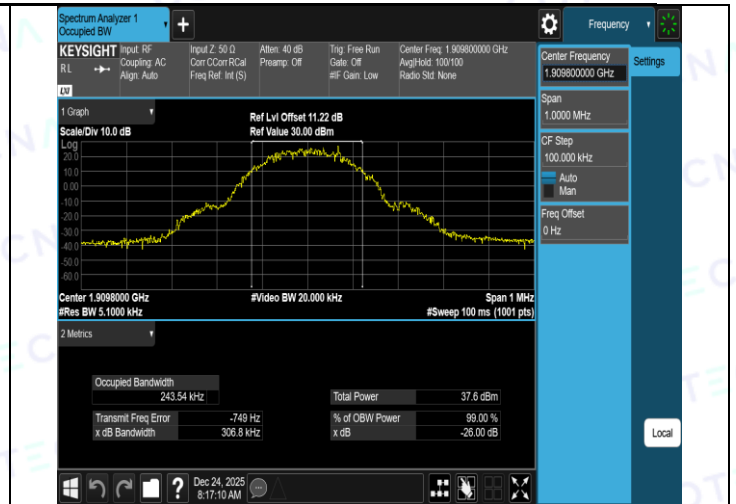
GPRS1900-661-0-PASS



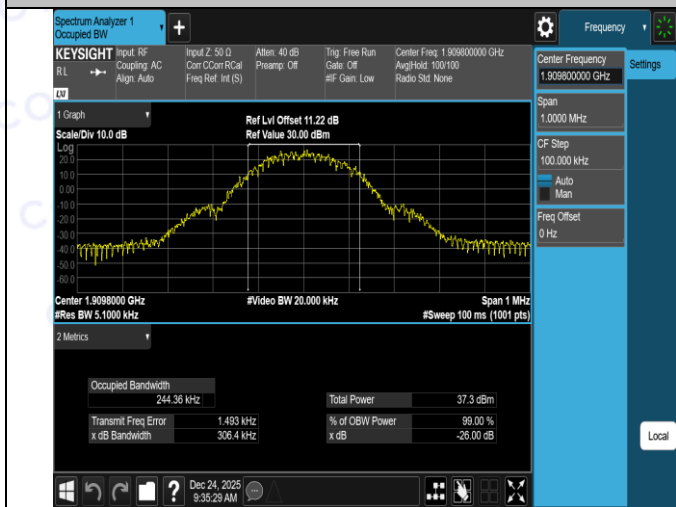
GSM1900-810-0-PASS



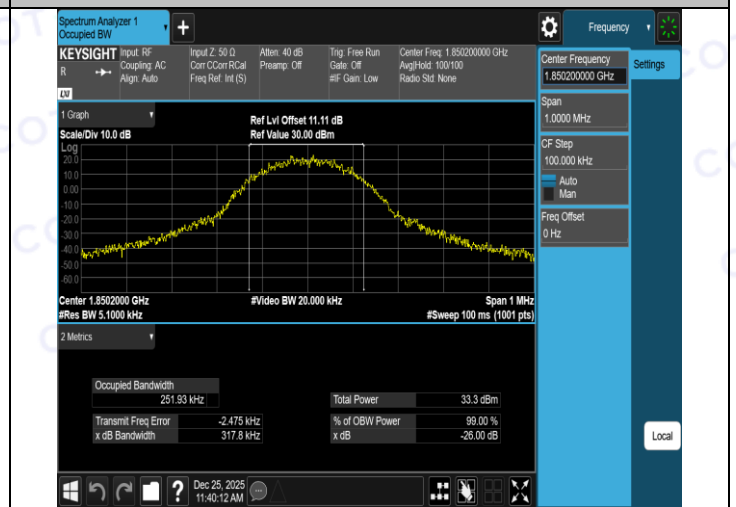
GPRS1900-810-0-PASS



EGPRS1900-512-2-PASS



EGPRS1900-661-2-PASS



EGPRS1900-810-2-PASS



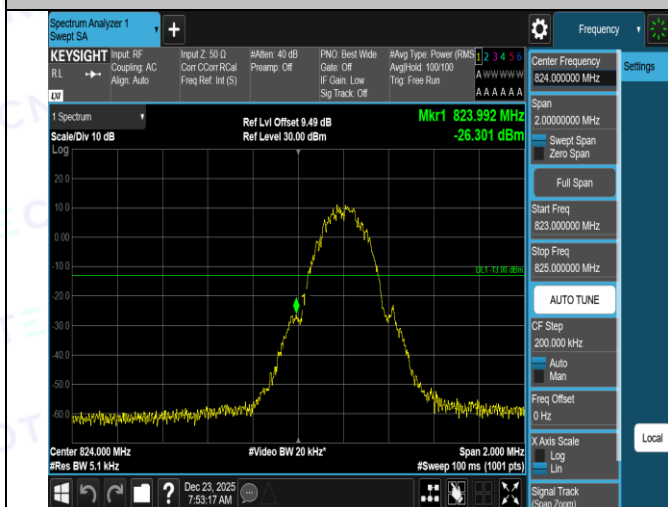
4: Band Edge

Test Result

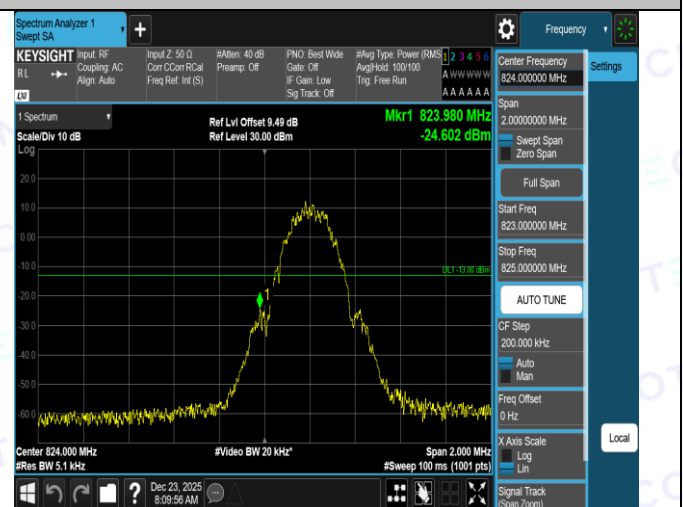
Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	823.99	-26.30	-13	PASS
GPRS850	128	823.98	-24.60	-13	PASS
GSM850	251	849.02	-24.17	-13	PASS
GPRS850	251	849.02	-26.34	-13	PASS
EGPRS850	128	823.98	-33.93	-13	PASS
EGPRS850	251	849.04	-36.23	-13	PASS
GSM1900	512	1850.00	-26.87	-13	PASS
GPRS1900	512	1849.98	-26.87	-13	PASS
GSM1900	810	1910.02	-26.46	-13	PASS
GPRS1900	810	1910.01	-25.29	-13	PASS
EGPRS1900	512	1850.00	-33.09	-13	PASS
EGPRS1900	810	1910.01	-32.09	-13	PASS

Test Graphs

GSM850-128-5-PASS



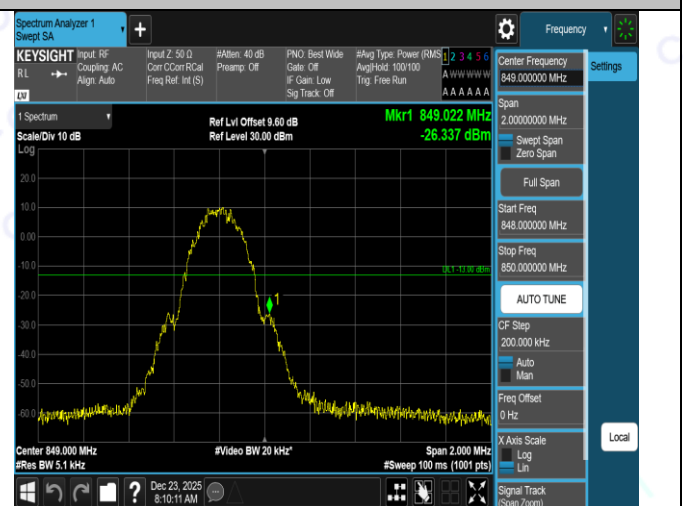
GPRS850-128-5-PASS



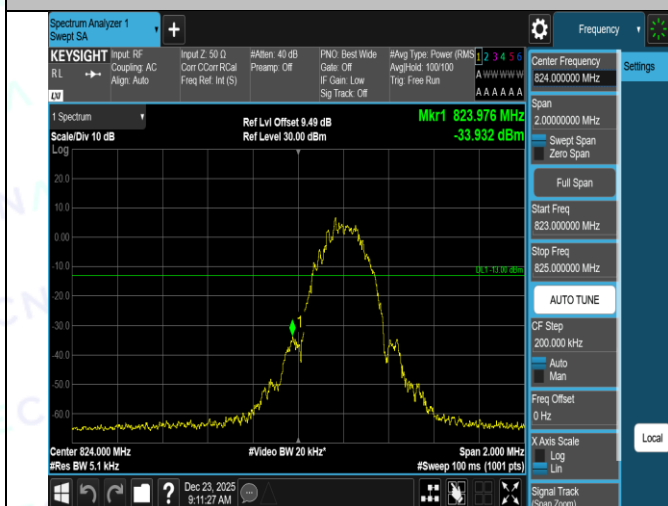
GSM850-251-5-PASS



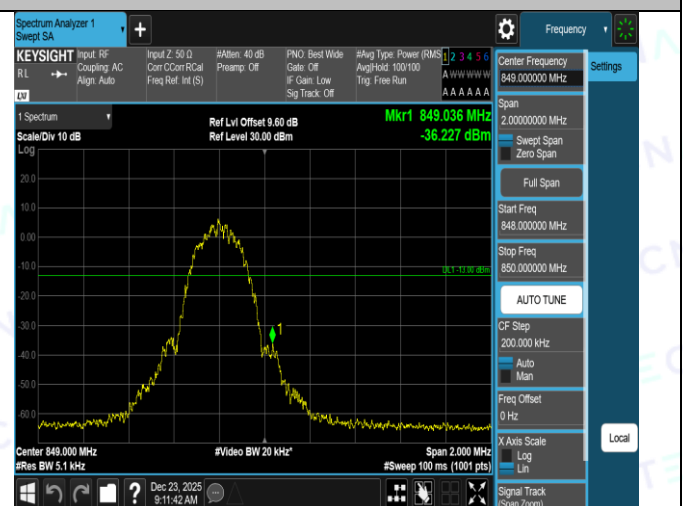
GPRS850-251-5-PASS



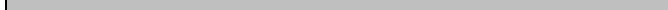
EGPRS850-128-8-PASS



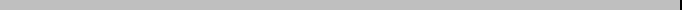
EGPRS850-251-8-PASS

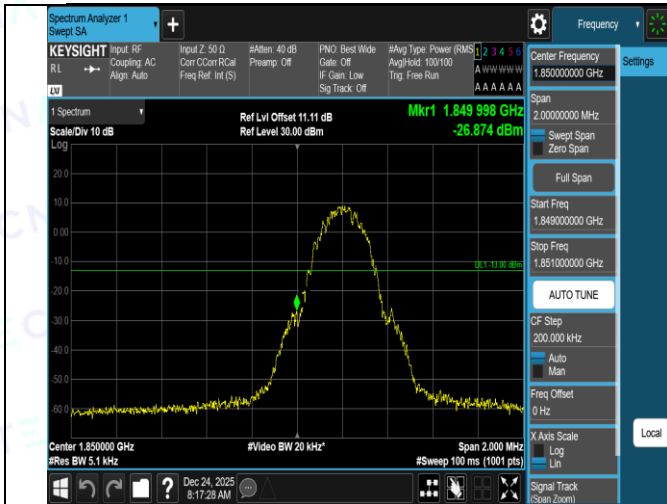


GSM1900-512-0-PASS

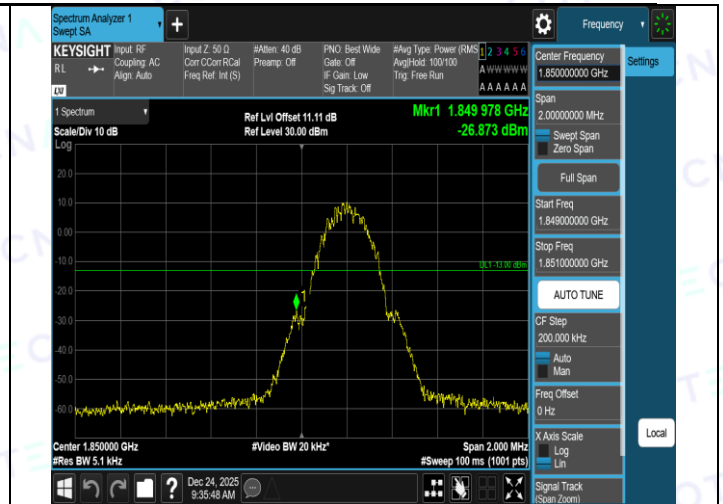


GPRS1900-512-0-PASS

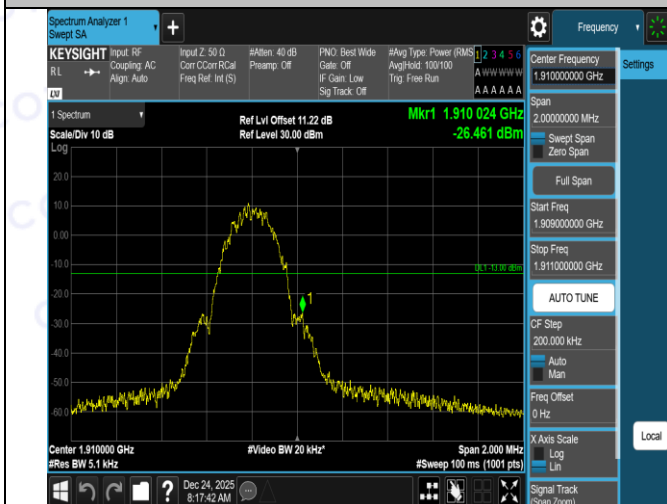




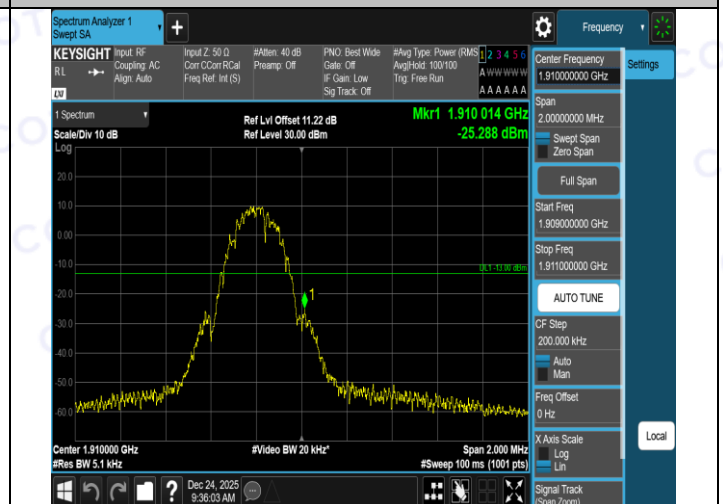
GSM1900-810-0-PASS



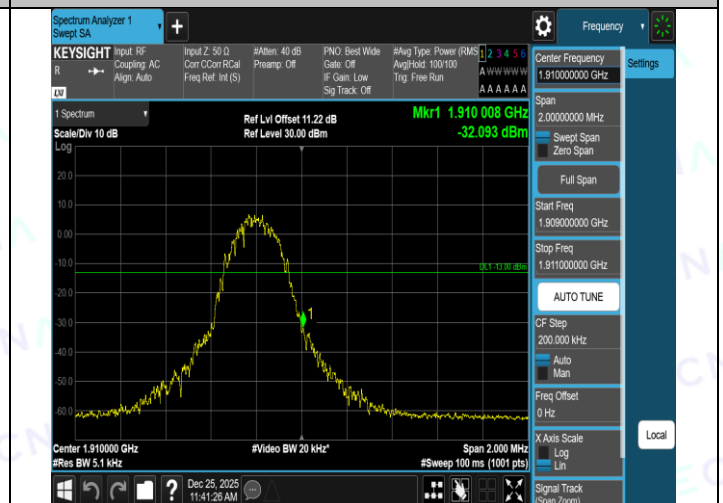
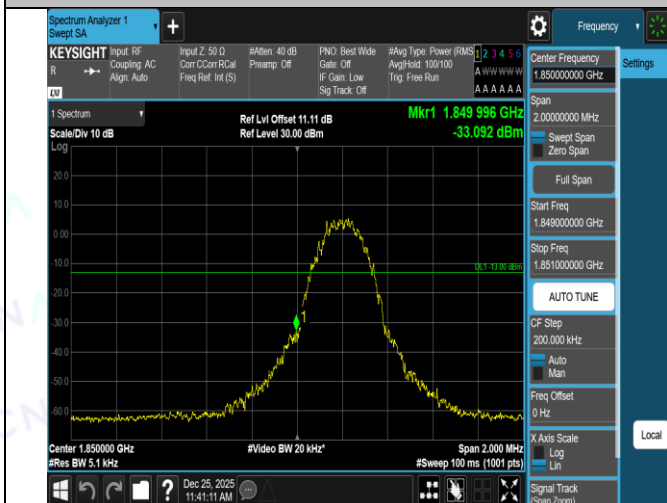
GPRS1900-810-0-PASS



EGPRS1900-512-2-PASS



EGPRS1900-810-2-PASS



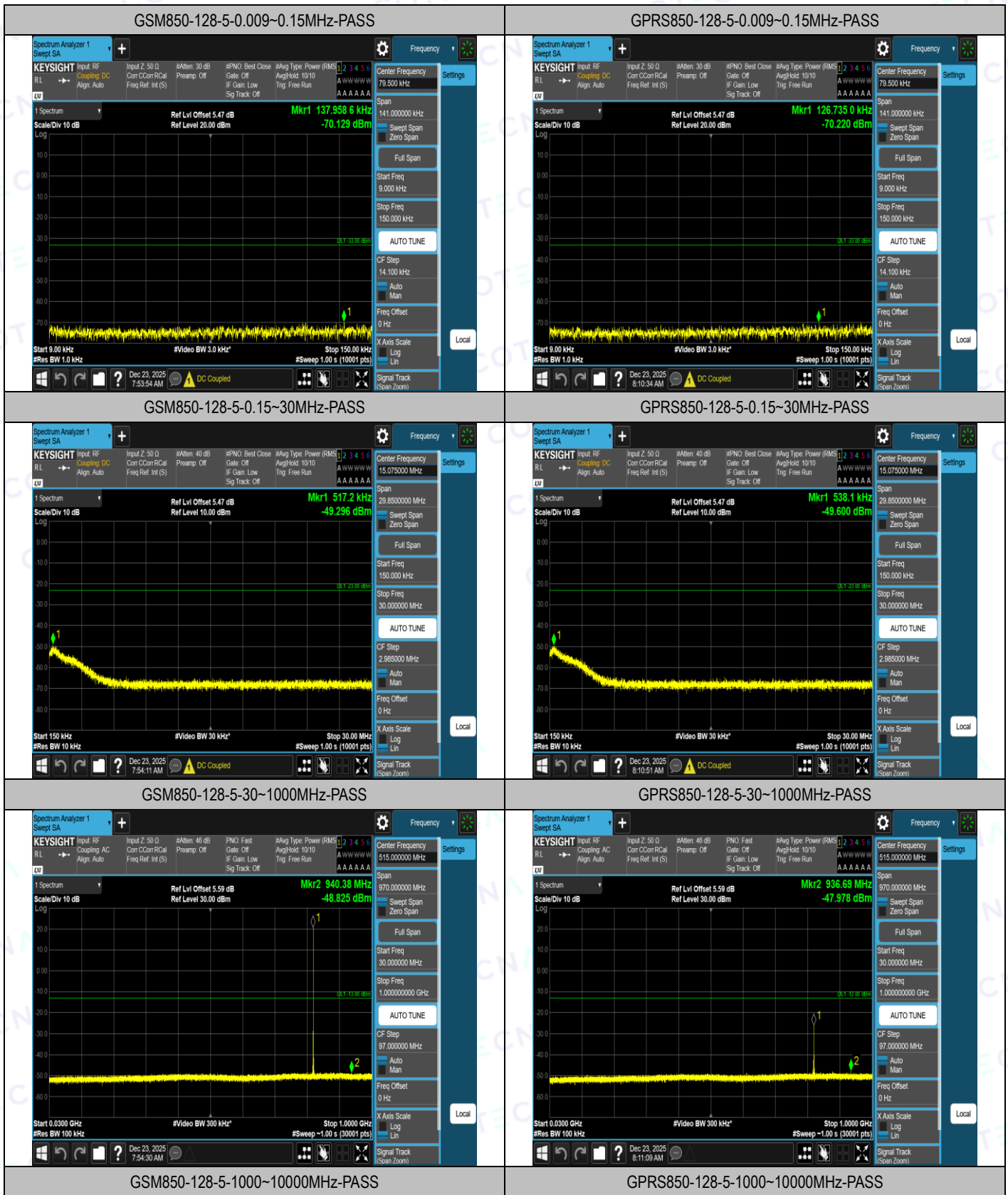
5: Conducted Spurious Emission

Test Result

Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	0.009~0.15MHz	0.14	-70.13	-33	PASS
GPRS850	128	0.009~0.15MHz	0.13	-70.22	-33	PASS
GSM850	128	0.15~30MHz	0.52	-49.3	-23	PASS
GPRS850	128	0.15~30MHz	0.54	-49.6	-23	PASS
GSM850	128	30~1000MHz	940.38	-48.83	-13	PASS
GPRS850	128	30~1000MHz	936.69	-47.98	-13	PASS
GSM850	128	1000~10000MHz	1648.9	-41.83	-13	PASS
GPRS850	128	1000~10000MHz	2472.7	-41.95	-13	PASS
GSM850	190	0.009~0.15MHz	0.09	-69.64	-33	PASS
GPRS850	190	0.009~0.15MHz	0.08	-70.38	-33	PASS
GSM850	190	0.15~30MHz	0.49	-49.59	-23	PASS
GPRS850	190	0.15~30MHz	0.48	-49.14	-23	PASS
GSM850	190	30~1000MHz	691.57	-48.81	-13	PASS
GPRS850	190	30~1000MHz	944.03	-48.34	-13	PASS
GSM850	190	1000~10000MHz	2509	-46.61	-13	PASS
GPRS850	190	1000~10000MHz	1673.2	-42.48	-13	PASS
GSM850	251	0.009~0.15MHz	0.1	-70.66	-33	PASS
GPRS850	251	0.009~0.15MHz	0.1	-70.88	-33	PASS
GSM850	251	0.15~30MHz	0.35	-49.08	-23	PASS
GPRS850	251	0.15~30MHz	0.49	-49.5	-23	PASS
GSM850	251	30~1000MHz	429.8	-48.61	-13	PASS
GPRS850	251	30~1000MHz	979.44	-48.66	-13	PASS
GSM850	251	1000~10000MHz	1697.5	-43.1	-13	PASS
GPRS850	251	1000~10000MHz	2546.2	-41.98	-13	PASS
EGPRS850	128	0.009~0.15MHz	0.11	-70.67	-33	PASS
EGPRS850	128	0.15~30MHz	0.55	-49.97	-23	PASS
EGPRS850	128	30~1000MHz	722.9	-48.19	-13	PASS
EGPRS850	128	1000~10000MHz	2472.7	-47.68	-13	PASS
EGPRS850	190	0.009~0.15MHz	0.13	-70.54	-33	PASS
EGPRS850	190	0.15~30MHz	0.56	-49.3	-23	PASS
EGPRS850	190	30~1000MHz	734.48	-48.3	-13	PASS
EGPRS850	190	1000~10000MHz	3169.3	-47.8	-13	PASS
EGPRS850	251	0.009~0.15MHz	0.11	-69.99	-33	PASS
EGPRS850	251	0.15~30MHz	0.69	-49.35	-23	PASS
EGPRS850	251	30~1000MHz	970.22	-48.25	-13	PASS
EGPRS850	251	1000~10000MHz	2677.6	-47.95	-13	PASS
GSM1900	512	0.009~0.15MHz	0.13	-70.17	-43	PASS
GPRS1900	512	0.009~0.15MHz	0.15	-70.56	-43	PASS
GSM1900	512	0.15~30MHz	0.59	-49.19	-33	PASS
GPRS1900	512	0.15~30MHz	0.42	-49.13	-33	PASS
GSM1900	512	30~1000MHz	849.52	-45.52	-13	PASS

GPRS1900	512	30~1000MHz	922.53	-45.82	-13	PASS
GSM1900	512	1000~3000MHz	2706	-31.85	-13	PASS
GPRS1900	512	1000~3000MHz	2700.27	-31.92	-13	PASS
GSM1900	512	3000~18000MHz	16435.5	-40.43	-13	PASS
GPRS1900	512	3000~18000MHz	16460	-40.52	-13	PASS
GSM1900	661	0.009~0.15MHz	0.15	-70.21	-43	PASS
GPRS1900	661	0.009~0.15MHz	0.12	-70.65	-43	PASS
GSM1900	661	0.15~30MHz	0.34	-49.13	-33	PASS
GPRS1900	661	0.15~30MHz	0.54	-49.56	-33	PASS
GSM1900	661	30~1000MHz	871.77	-45.51	-13	PASS
GPRS1900	661	30~1000MHz	906.33	-45.75	-13	PASS
GSM1900	661	1000~3000MHz	2697.33	-31.93	-13	PASS
GPRS1900	661	1000~3000MHz	2674.73	-31.83	-13	PASS
GSM1900	661	3000~18000MHz	16356.5	-40.32	-13	PASS
GPRS1900	661	3000~18000MHz	16479.5	-40.49	-13	PASS
GSM1900	810	0.009~0.15MHz	0.14	-70.59	-43	PASS
GPRS1900	810	0.009~0.15MHz	0.12	-69.94	-43	PASS
GSM1900	810	0.15~30MHz	0.58	-49.31	-33	PASS
GPRS1900	810	0.15~30MHz	0.56	-48.89	-33	PASS
GSM1900	810	30~1000MHz	883.37	-45.87	-13	PASS
GPRS1900	810	30~1000MHz	870.93	-45.75	-13	PASS
GSM1900	810	1000~3000MHz	2692.07	-31.82	-13	PASS
GPRS1900	810	1000~3000MHz	2698.2	-31.92	-13	PASS
GSM1900	810	3000~18000MHz	16342.5	-40.38	-13	PASS
GPRS1900	810	3000~18000MHz	16468	-40.45	-13	PASS
EGPRS1900	512	0.009~0.15MHz	0.14	-70.33	-43	PASS
EGPRS1900	512	0.15~30MHz	0.57	-49.55	-33	PASS
EGPRS1900	512	30~1000MHz	889.29	-45.72	-13	PASS
EGPRS1900	512	1000~3000MHz	2703.07	-31.84	-13	PASS
EGPRS1900	512	3000~18000MHz	16435	-40.33	-13	PASS
EGPRS1900	661	0.009~0.15MHz	0.12	-70.14	-43	PASS
EGPRS1900	661	0.15~30MHz	0.72	-49.71	-33	PASS
EGPRS1900	661	30~1000MHz	890.88	-45.76	-13	PASS
EGPRS1900	661	1000~3000MHz	2684.53	-31.83	-13	PASS
EGPRS1900	661	3000~18000MHz	16470	-40.47	-13	PASS
EGPRS1900	810	0.009~0.15MHz	0.14	-70.14	-43	PASS
EGPRS1900	810	0.15~30MHz	0.49	-49.41	-33	PASS
EGPRS1900	810	30~1000MHz	933.26	-45.81	-13	PASS
EGPRS1900	810	1000~3000MHz	2690.47	-31.83	-13	PASS
EGPRS1900	810	3000~18000MHz	16481	-40.42	-13	PASS

Test Graphs





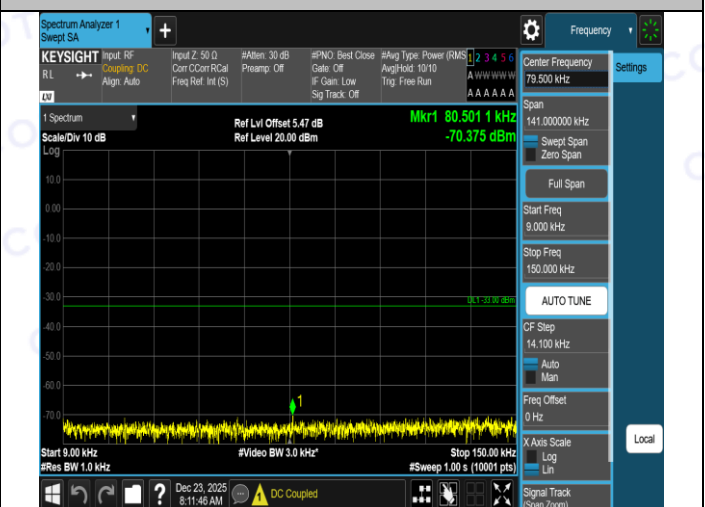
GSM850-190-5-0.009~0.15MHz-PASS



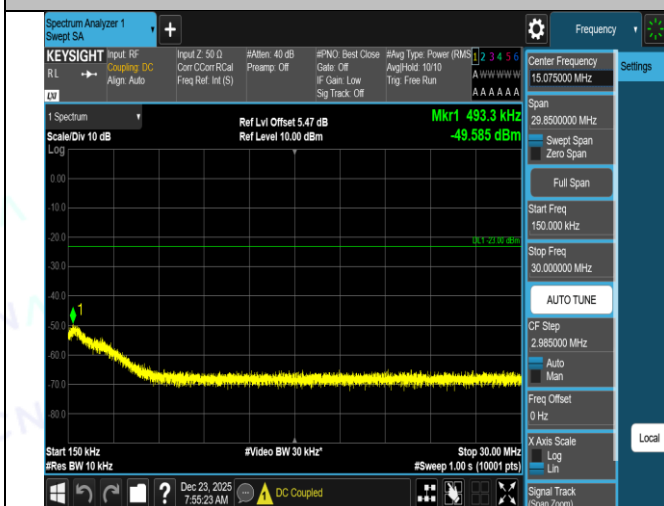
GPRS850-190-5-0.009~0.15MHz-PASS



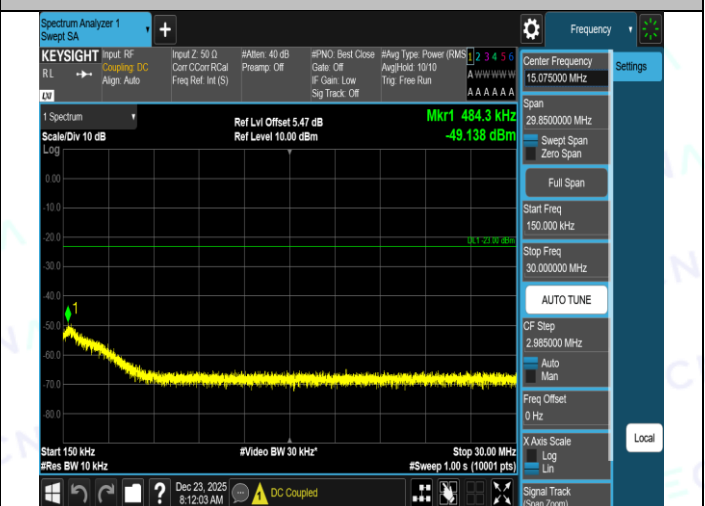
GSM850-190-5-0.15~30MHz-PASS



GPRS850-190-5-0.15~30MHz-PASS



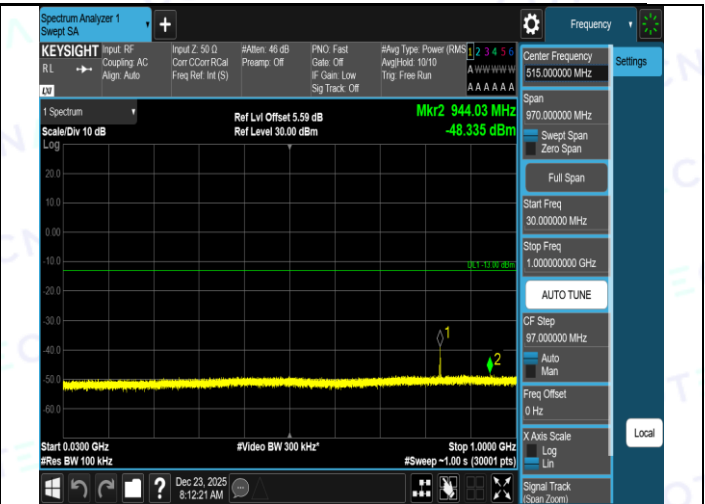
GSM850-190-5-30~1000MHz-PASS



GPRS850-190-5-30~1000MHz-PASS



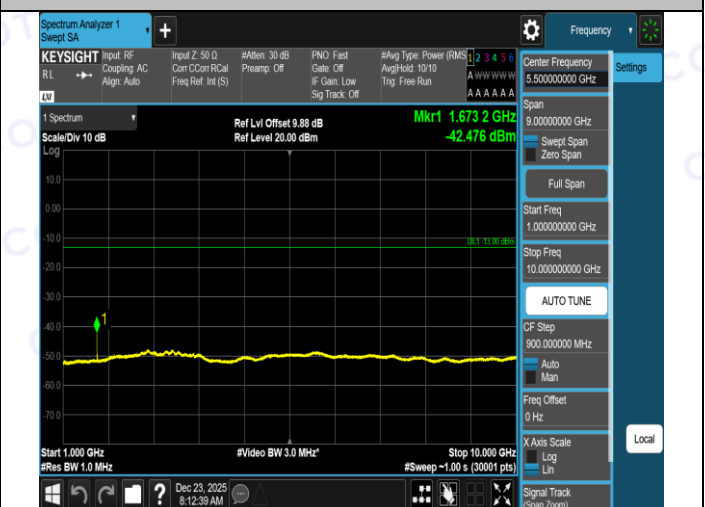
GSM850-190-5-1000~10000MHz-PASS



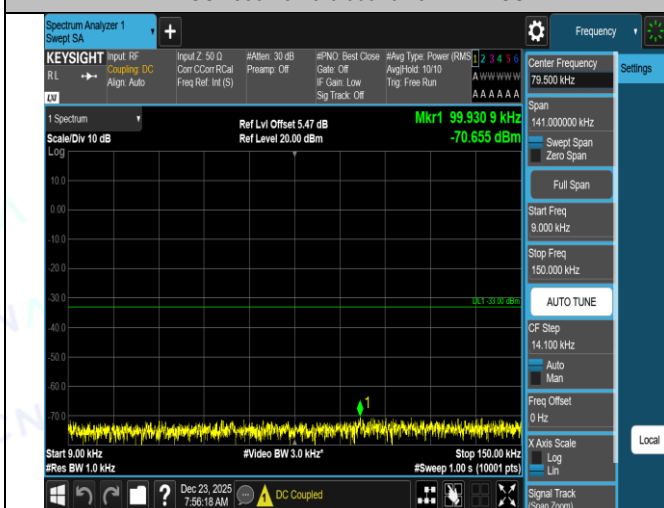
GPRS850-190-5-1000~10000MHz-PASS



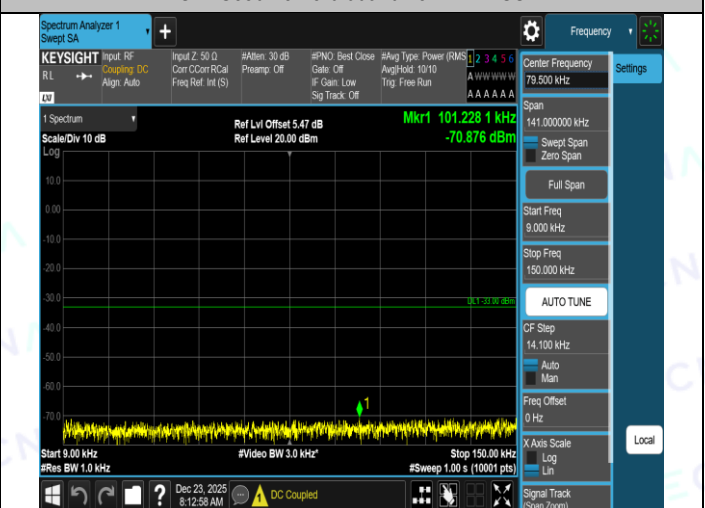
GSM850-251-5-0.009~0.15MHz-PASS



GPRS850-251-5-0.009~0.15MHz-PASS



GSM850-251-5-0.15~30MHz-PASS



GPRS850-251-5-0.15~30MHz-PASS