

GSM Test Data

General Description of EUT	
EUT Name:	Mobile phone
Model:	C8
Sample ID:	HC-C-202505-0225-01-03#
Environmental Conditions	
Ambient Temperature:	25℃
Ambient Humidity:	45%RH
Test Power Supply:	DC 5V
Test Engineer:	Rick Chen
Note: For a more detailed features description, please refer to the report TBR-C-202505-0225-11	

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1: Conducted Output Power Data

Test Result

Band	Channel	Conducted Output Power(dBm)	Limit(dBm)	Verdict
GSM850	128	32.48	38.45	PASS
GSM850	190	32.53	38.45	PASS
GSM850	251	32.09	38.45	PASS
GSM1900	512	27.97	33	PASS
GSM1900	661	27.83	33	PASS
GSM1900	810	27.85	33	PASS

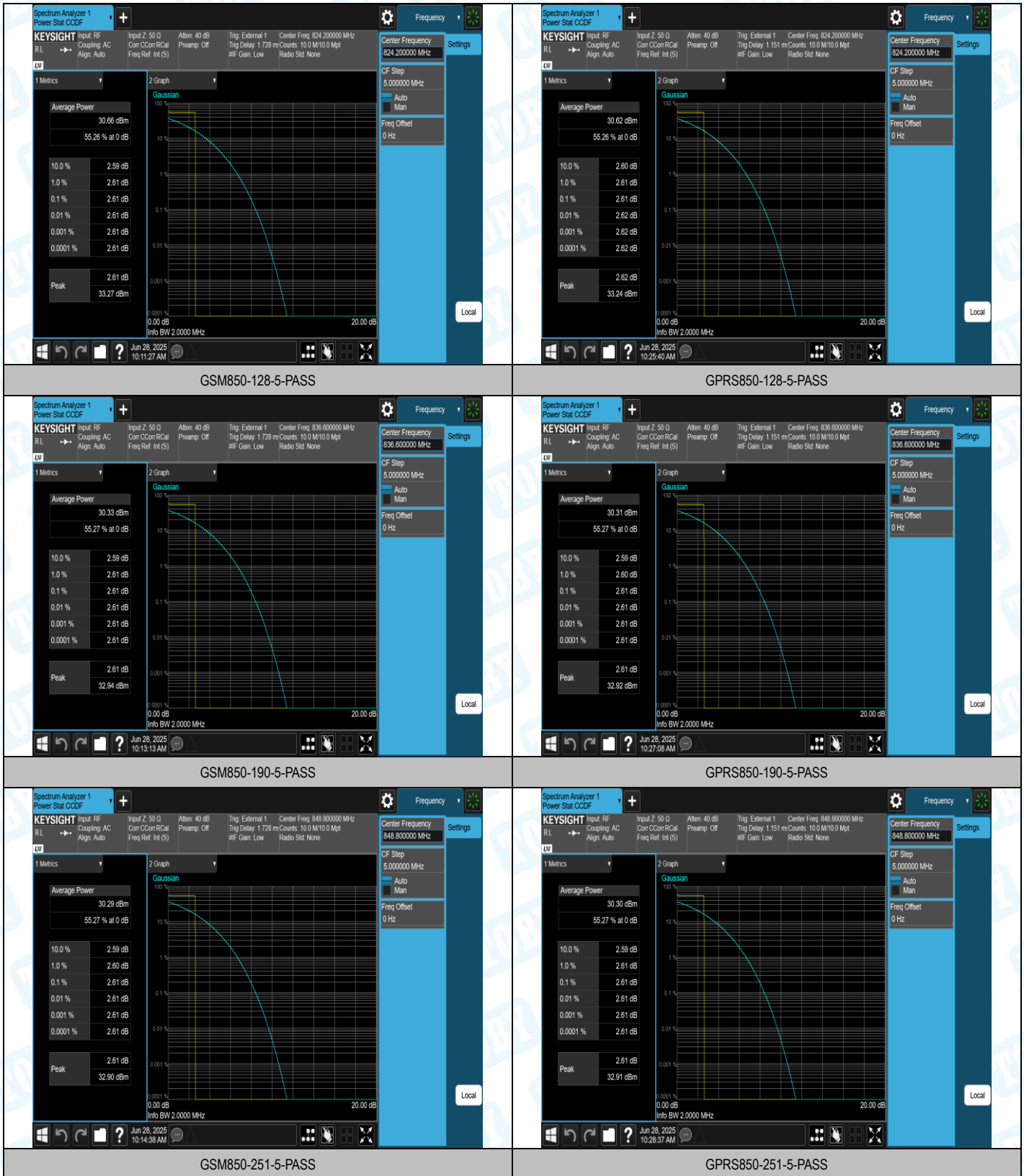
Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	32.45	38.45	PASS
GPRS850	190	1	32.47	38.45	PASS
GPRS850	251	1	32.04	38.45	PASS
GPRS850	128	2	30.38	38.45	PASS
GPRS850	190	2	30.45	38.45	PASS
GPRS850	251	2	30.05	38.45	PASS
GPRS850	128	3	28.70	38.45	PASS
GPRS850	190	3	28.80	38.45	PASS
GPRS850	251	3	28.44	38.45	PASS
GPRS850	128	4	26.63	38.45	PASS
GPRS850	190	4	26.76	38.45	PASS
GPRS850	251	4	26.44	38.45	PASS
GPRS1900	512	1	28.00	33	PASS
GPRS1900	661	1	27.93	33	PASS
GPRS1900	810	1	27.93	33	PASS
GPRS1900	512	2	25.96	33	PASS
GPRS1900	661	2	25.81	33	PASS
GPRS1900	810	2	25.81	33	PASS
GPRS1900	512	3	24.48	33	PASS
GPRS1900	661	3	24.33	33	PASS
GPRS1900	810	3	24.33	33	PASS
GPRS1900	512	4	22.53	33	PASS
GPRS1900	661	4	22.38	33	PASS
GPRS1900	810	4	22.37	33	PASS

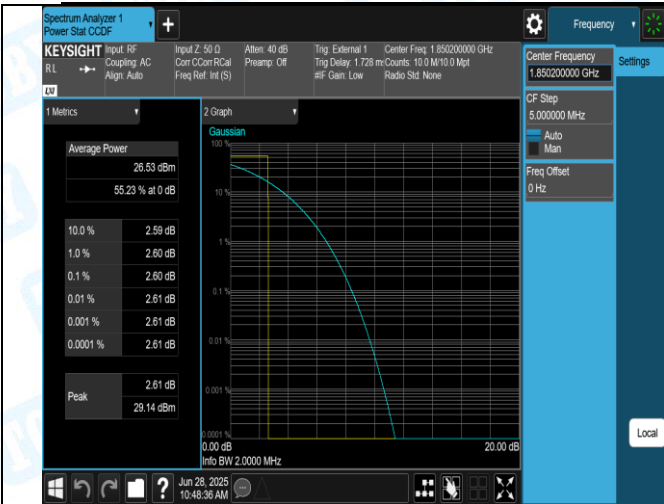
2: Peak-to-Average Ratio(CCDF)

Test Result

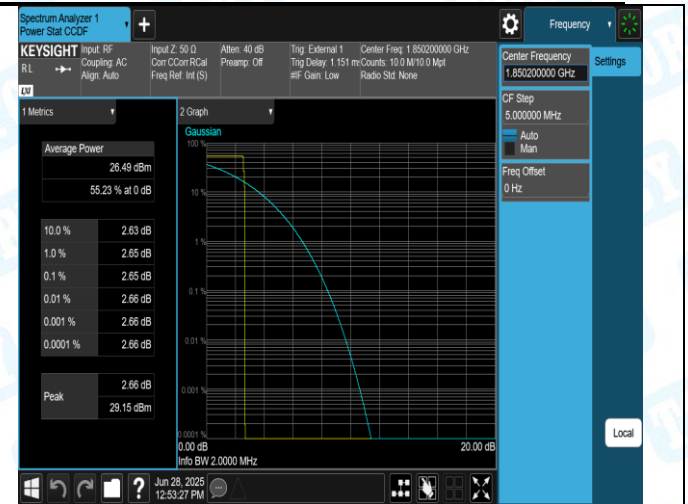
Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	2.61	13	PASS
GPRS850	128	2.61	13	PASS
GSM850	190	2.61	13	PASS
GPRS850	190	2.61	13	PASS
GSM850	251	2.61	13	PASS
GPRS850	251	2.61	13	PASS
GSM1900	512	2.60	13	PASS
GPRS1900	512	2.65	13	PASS
GSM1900	661	2.61	13	PASS
GPRS1900	661	2.61	13	PASS
GSM1900	810	2.61	13	PASS
GPRS1900	810	2.61	13	PASS

Test Graphs

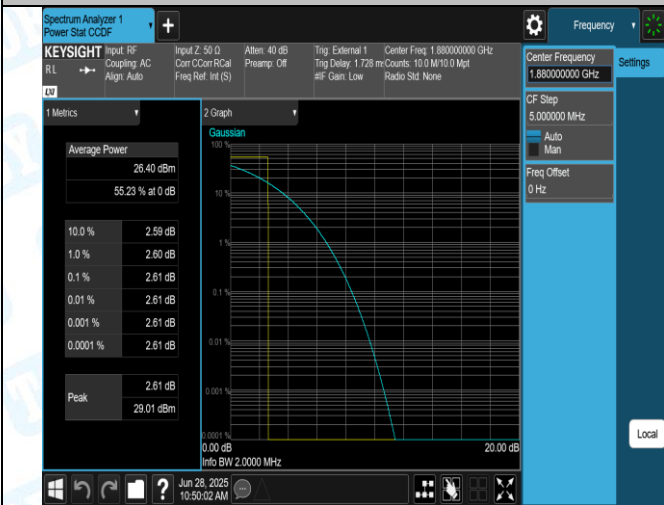




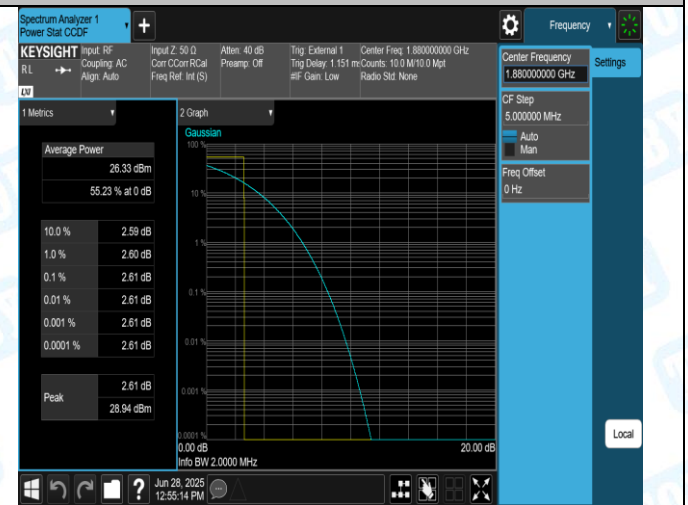
GSM1900-512-0-PASS



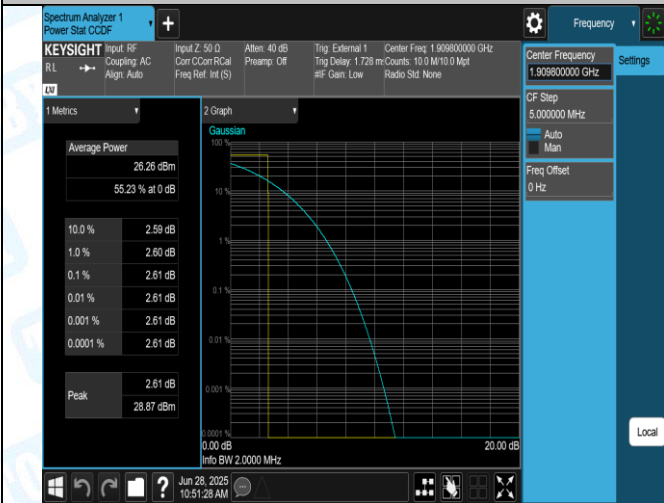
GPRS1900-512-0-PASS



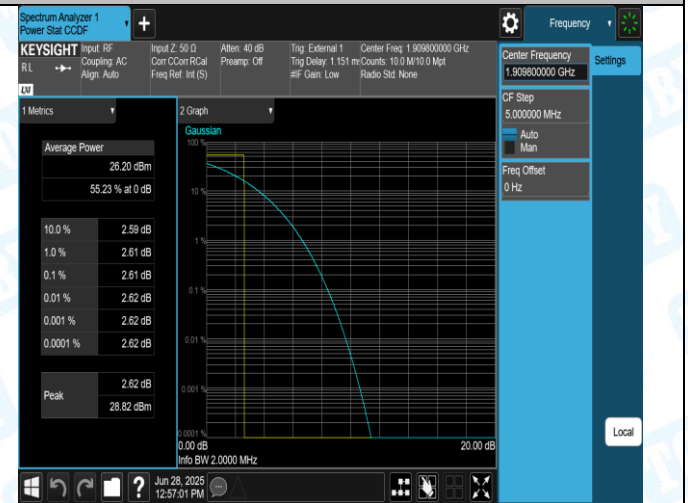
GSM1900-661-0-PASS



GPRS1900-661-0-PASS



GSM1900-810-0-PASS



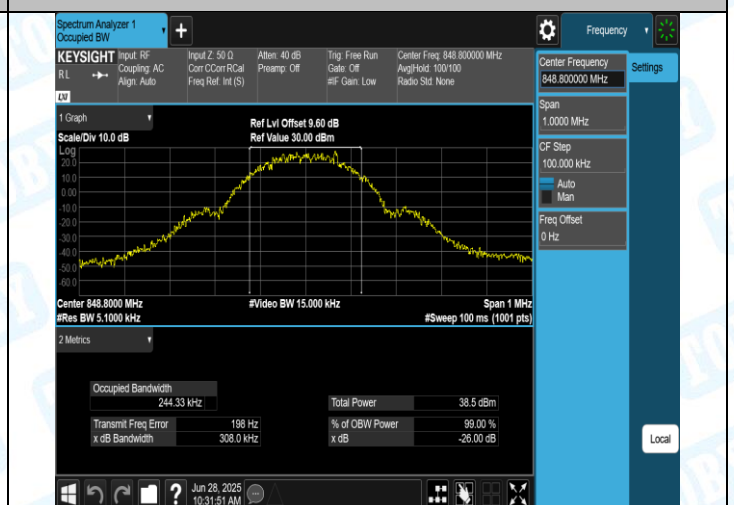
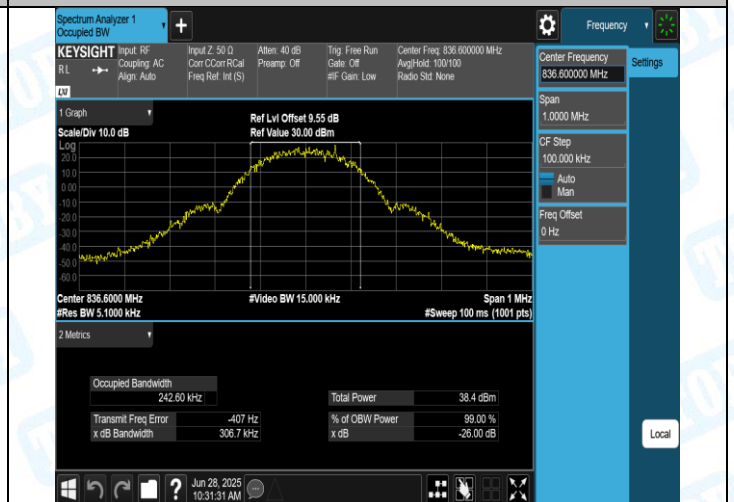
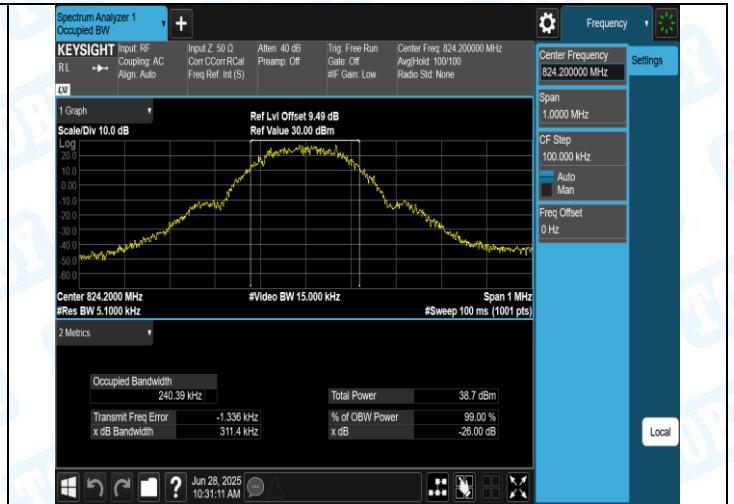
GPRS1900-810-0-PASS

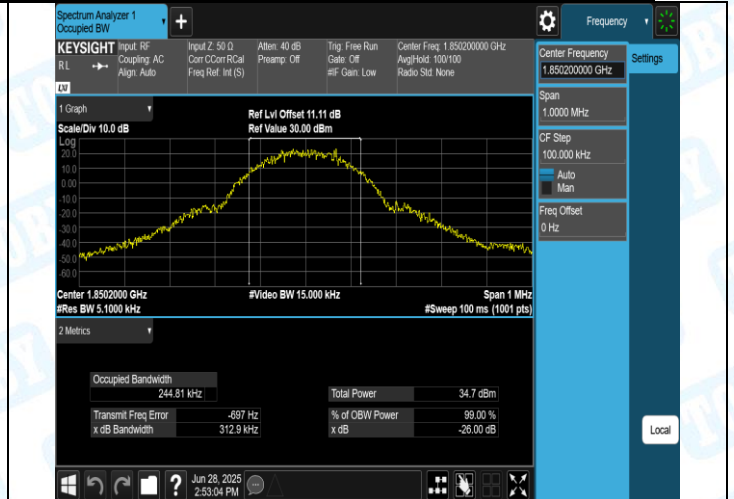
3: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.24509	0.3122	---	PASS
GPRS850	128	0.24039	0.3114	---	PASS
GSM850	190	0.24213	0.3117	---	PASS
GPRS850	190	0.24260	0.3067	---	PASS
GSM850	251	0.24654	0.3136	---	PASS
GPRS850	251	0.24433	0.3080	---	PASS
GSM1900	512	0.24910	0.3185	---	PASS
GPRS1900	512	0.24481	0.3129	---	PASS
GSM1900	661	0.24326	0.3144	---	PASS
GPRS1900	661	0.24288	0.3123	---	PASS
GSM1900	810	0.24575	0.3134	---	PASS
GPRS1900	810	0.24199	0.3134	---	PASS

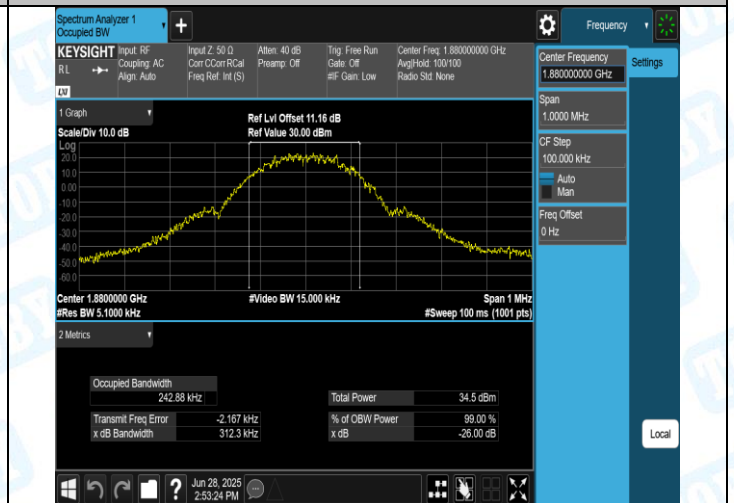
Test Graphs





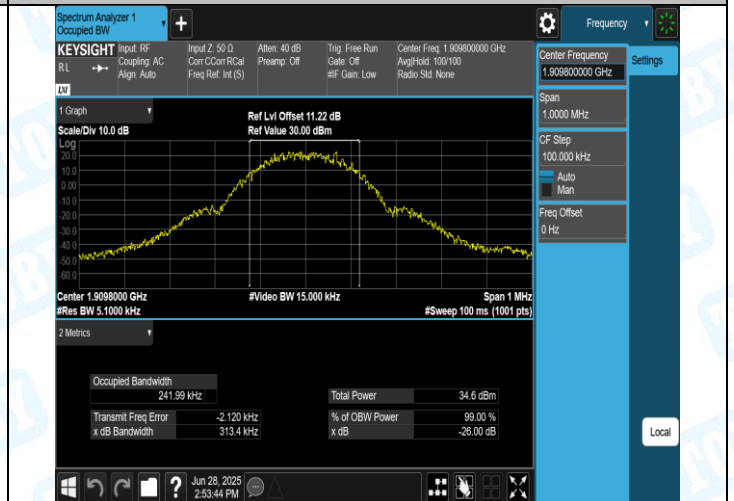
GSM1900-512-0-PASS

GPRS1900-512-0-PASS



GSM1900-661-0-PASS

GPRS1900-661-0-PASS



GSM1900-810-0-PASS

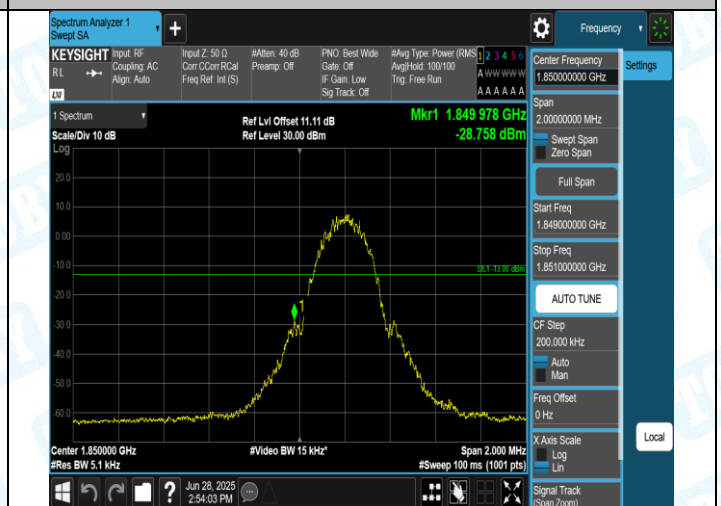
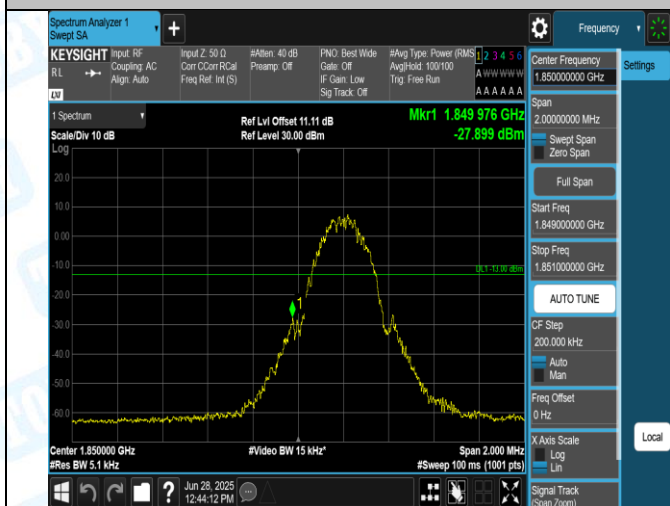
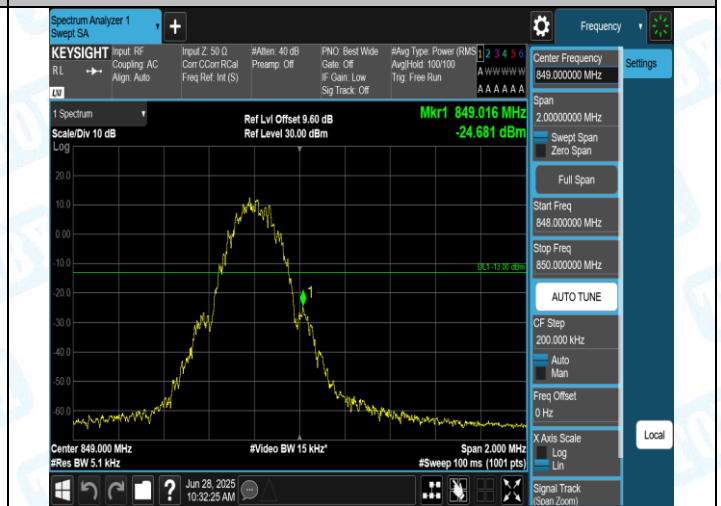
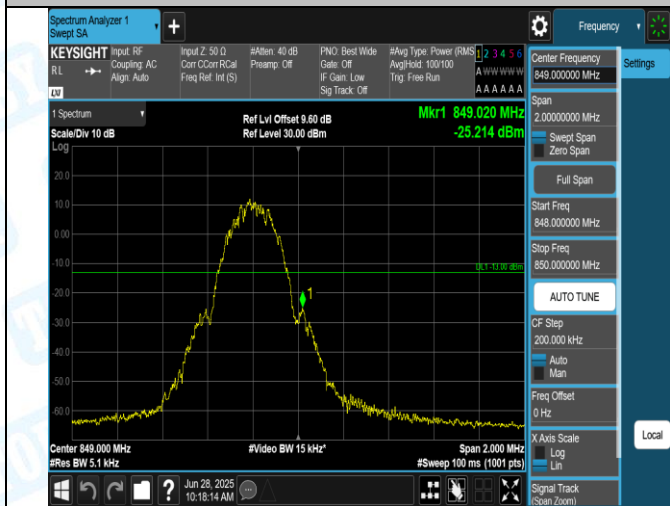
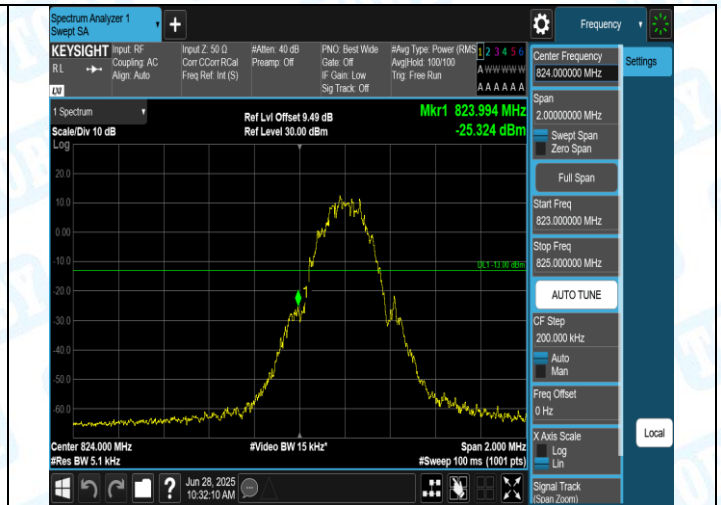
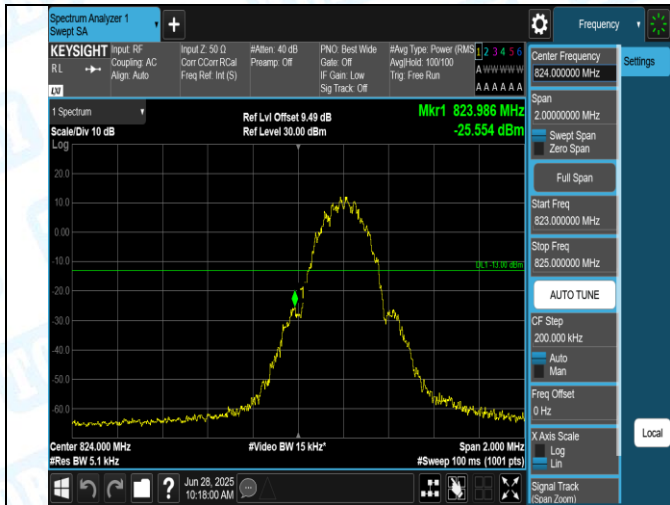
GPRS1900-810-0-PASS

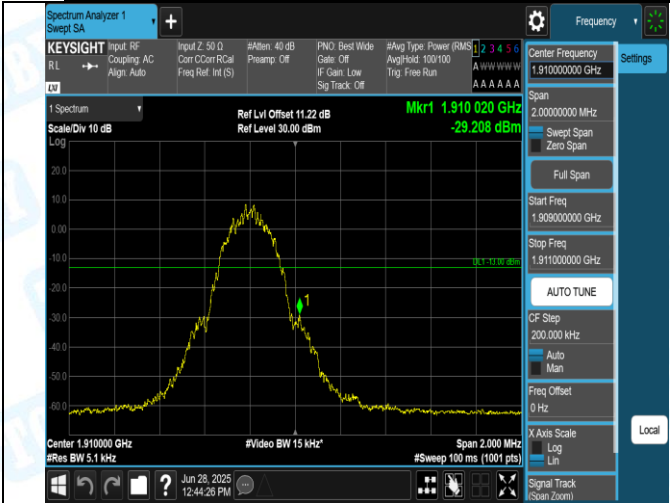
4: Band Edge

Test Result

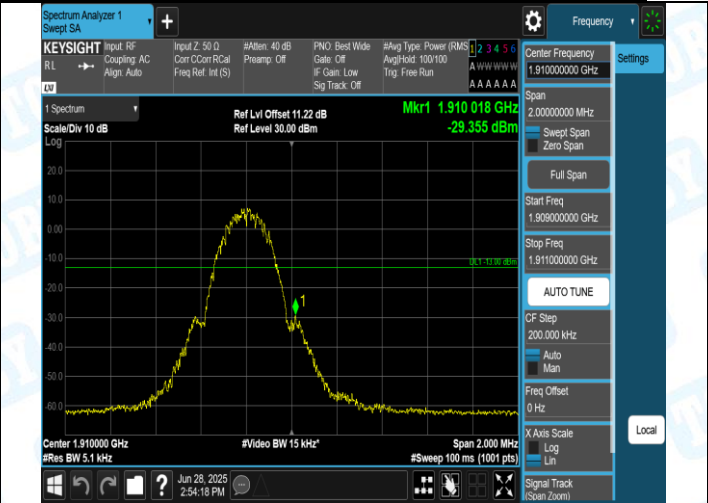
Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	823.99	-25.55	-13	PASS
GPRS850	128	823.99	-25.32	-13	PASS
GSM850	251	849.02	-25.21	-13	PASS
GPRS850	251	849.02	-24.68	-13	PASS
GSM1900	512	1849.98	-27.90	-13	PASS
GPRS1900	512	1849.98	-28.76	-13	PASS
GSM1900	810	1910.02	-29.21	-13	PASS
GPRS1900	810	1910.02	-29.35	-13	PASS

Test Graphs





GSM1900-810-0-PASS



GPRS1900-810-0-PASS

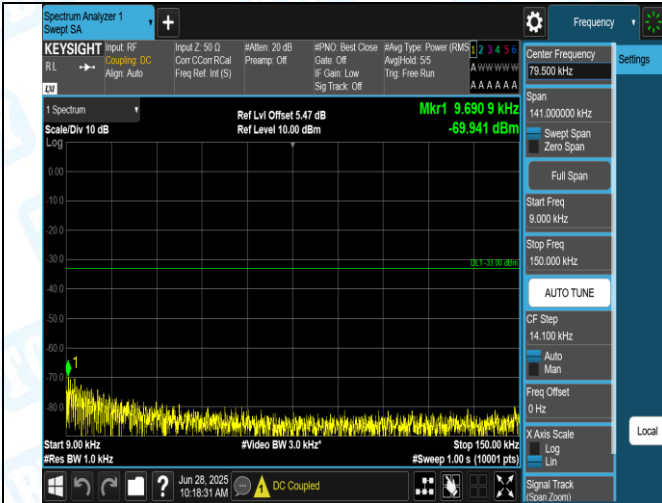
5: Conducted Spurious Emission

Test Result

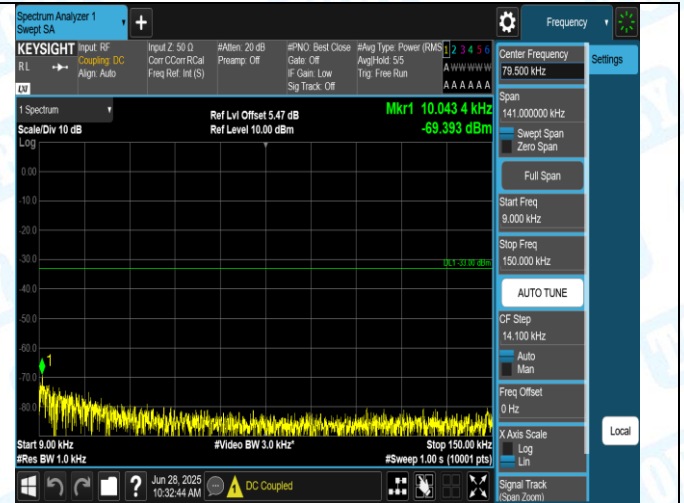
Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	0.009~0.15MHz	0.01	-69.94	-33	PASS
GPRS850	128	0.009~0.15MHz	0.01	-69.39	-33	PASS
GSM850	128	30~1000MHz	982.44	-47.68	-13	PASS
GPRS850	128	30~1000MHz	652.32	-47.55	-13	PASS
GSM850	128	1000~10000MHz	2472.4	-38.65	-13	PASS
GPRS850	128	1000~10000MHz	2693.5	-47.69	-13	PASS
GSM850	190	0.009~0.15MHz	0.01	-71.31	-33	PASS
GPRS850	190	0.009~0.15MHz	0.01	-72.16	-33	PASS
GSM850	190	30~1000MHz	973.84	-47.8	-13	PASS
GPRS850	190	30~1000MHz	947.49	-47.54	-13	PASS
GSM850	190	1000~10000MHz	3180.1	-47.46	-13	PASS
GPRS850	190	1000~10000MHz	2509.6	-36.59	-13	PASS
GSM850	251	0.009~0.15MHz	0.01	-71.27	-33	PASS
GPRS850	251	0.009~0.15MHz	0.01	-70.38	-33	PASS
GSM850	251	30~1000MHz	993.63	-47.85	-13	PASS
GPRS850	251	30~1000MHz	744.57	-47.69	-13	PASS
GSM850	251	1000~10000MHz	2546.5	-39.52	-13	PASS
GPRS850	251	1000~10000MHz	2669.5	-47.52	-13	PASS
GSM1900	512	0.009~0.15MHz	0.01	-76.51	-43	PASS
GPRS1900	512	0.009~0.15MHz	0.01	-54.46	-43	PASS
GSM1900	512	0.15~30MHz	0.57	-71.19	-33	PASS
GPRS1900	512	0.15~30MHz	0.25	-58.5	-33	PASS
GSM1900	512	30~1000MHz	813.5	-45.31	-13	PASS
GPRS1900	512	30~1000MHz	875.26	-45.45	-13	PASS
GSM1900	512	1000~3000MHz	2704.47	-31.61	-13	PASS
GPRS1900	512	1000~3000MHz	2707.67	-31.54	-13	PASS
GSM1900	512	3000~18000MHz	16329	-49.75	-13	PASS
GPRS1900	512	3000~18000MHz	16426	-49.82	-13	PASS
GSM1900	661	0.009~0.15MHz	0.01	-75.31	-43	PASS
GPRS1900	661	0.009~0.15MHz	0.01	-51.33	-43	PASS
GSM1900	661	0.15~30MHz	0.58	-71.81	-33	PASS
GPRS1900	661	0.15~30MHz	0.25	-57.41	-33	PASS
GSM1900	661	30~1000MHz	895.69	-45.36	-13	PASS
GPRS1900	661	30~1000MHz	900.38	-45.32	-13	PASS
GSM1900	661	1000~3000MHz	2675.67	-31.59	-13	PASS
GPRS1900	661	1000~3000MHz	2681.27	-31.42	-13	PASS
GSM1900	661	3000~18000MHz	16391.5	-49.71	-13	PASS
GPRS1900	661	3000~18000MHz	16463	-50.06	-13	PASS
GSM1900	810	0.009~0.15MHz	0.03	-75.69	-43	PASS
GPRS1900	810	0.009~0.15MHz	0.01	-52.77	-43	PASS

GSM1900	810	0.15~30MHz	0.64	-71.51	-33	PASS
GPRS1900	810	0.15~30MHz	0.25	-58.51	-33	PASS
GSM1900	810	30~1000MHz	911.89	-45.44	-13	PASS
GPRS1900	810	30~1000MHz	814.86	-45.5	-13	PASS
GSM1900	810	1000~3000MHz	2688.47	-31.57	-13	PASS
GPRS1900	810	1000~3000MHz	2684.27	-31.47	-13	PASS
GSM1900	810	3000~18000MHz	16402.5	-49.94	-13	PASS
GPRS1900	810	3000~18000MHz	16491.5	-49.57	-13	PASS

Test Graphs



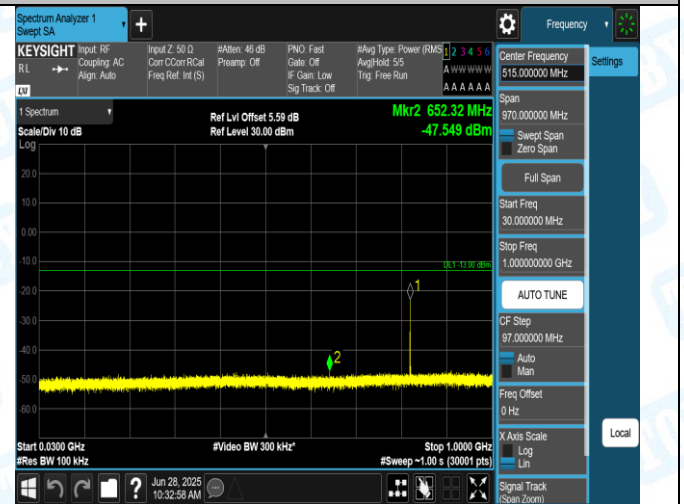
GSM850-128-5-0.009~0.15MHz-PASS



GPRS850-128-5-0.009~0.15MHz-PASS



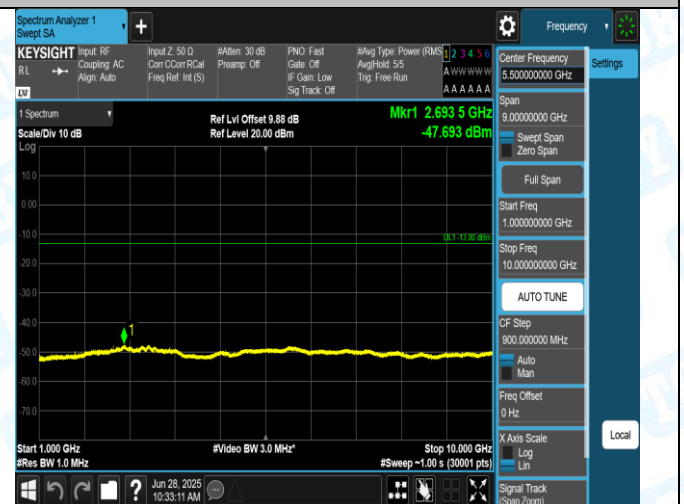
GSM850-128-5-30~1000MHz-PASS



GPRS850-128-5-30~1000MHz-PASS



GSM850-128-5-1000~10000MHz-PASS



GPRS850-128-5-1000~10000MHz-PASS



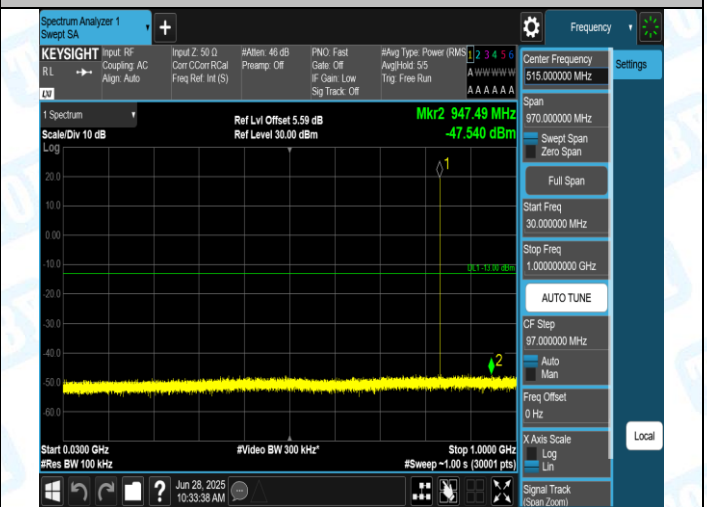
GSM850-190-5-0.009-0.15MHz-PASS



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



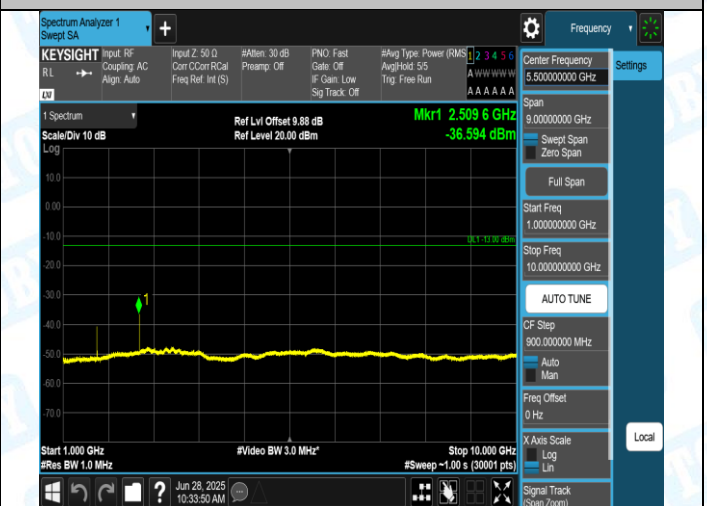
GSM850-190-5-30~1000MHz-PASS



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



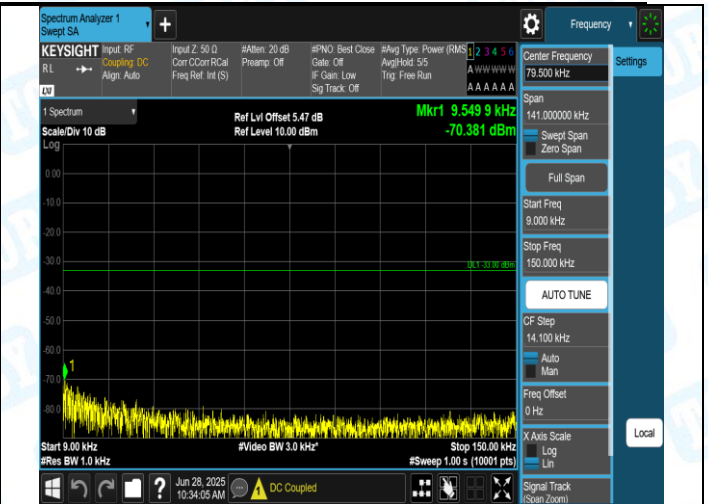
GSM850-190-5-1000~10000MHz-PASS



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



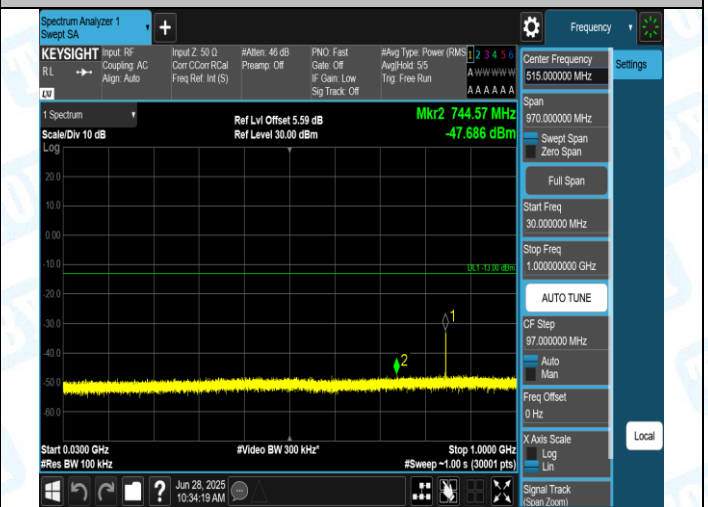
GSM850-251-5-0.009-0.15MHz-PASS



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



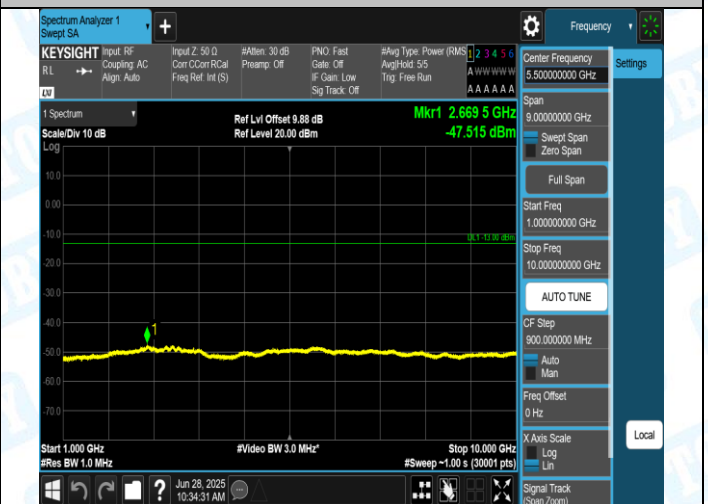
GSM850-251-5-30~1000MHz-PASS



GPRS850-251-5-30~1000MHz-PASS



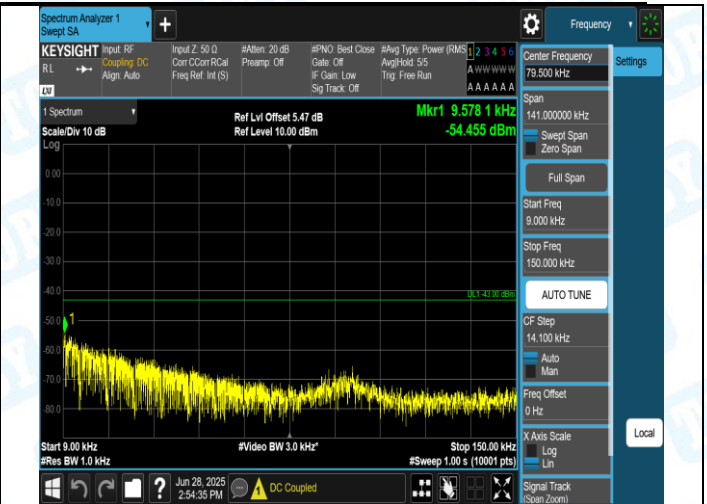
GSM850-251-5-1000~10000MHz-PASS



GPRS850-251-5-1000~10000MHz-PASS



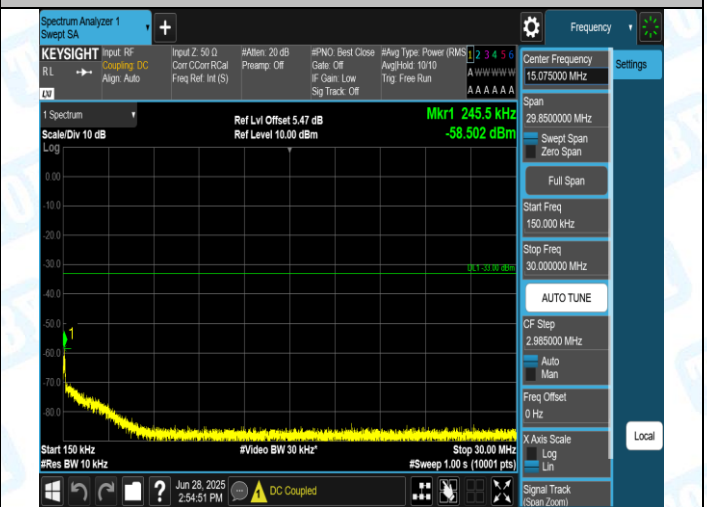
GSM1900-512-0-0.009~0.15MHz-PASS



GPRS1900-512-0-0.009~0.15MHz-PASS



GSM1900-512-0-0.15~30MHz-PASS



GPRS1900-512-0-0.15~30MHz-PASS



GSM1900-512-0-30~1000MHz-PASS



GPRS1900-512-0-30~1000MHz-PASS



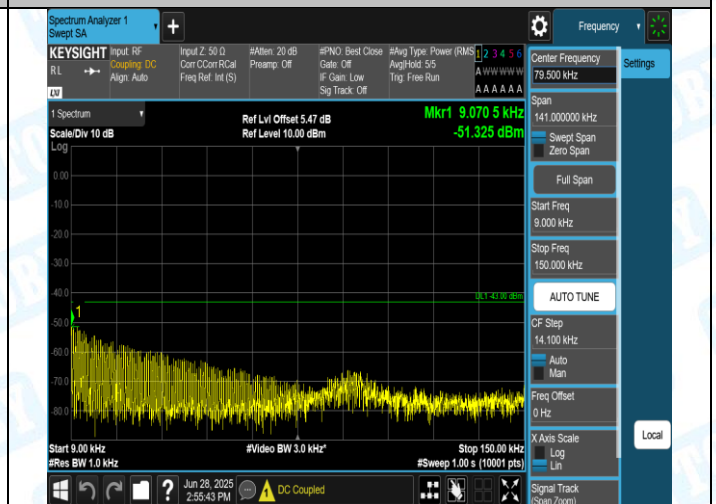
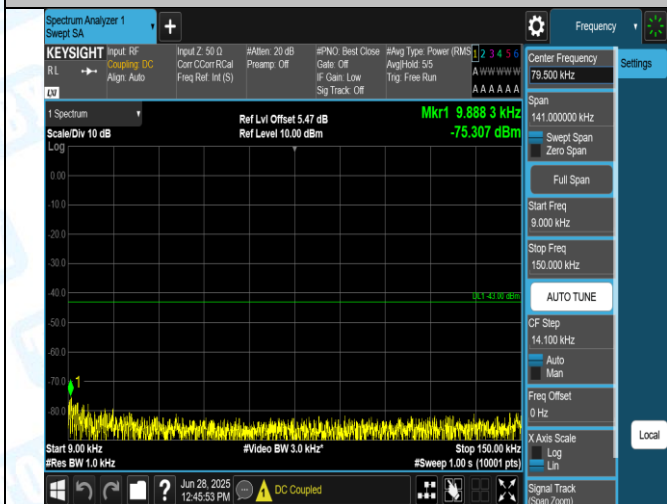
GSM1900-512-0-1000-3000MHz-PASS

GPRS1900-512-0-1000-3000MHz-PASS



GSM1900-512-0-3000-18000MHz-PASS

GPRS1900-512-0-3000-18000MHz-PASS



GSM1900-661-0-0.009-0.15MHz-PASS

GPRS1900-661-0-0.009-0.15MHz-PASS