

GSM Test Data

General Description of EUT	
Product Name:	Smart Watch
Test Model:	BH11
Sample ID:	HC-C-202412-0313-02-04#
Environmental Conditions	
Temperature:	22.0℃-25℃
Relative Humidity:	43%-55%
Test Voltage:	DC 3.85V
Test Engineer:	Rick Chen
Note: For a more detailed features description, please refer to the report TBR-C-202412-0313-93 The report only show the worst case data.	

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1: Conducted Output Power Data

Test Result

Band	Channel	ERP/EIRP(dBm)	Limit(dBm)	Verdict
GSM850	128	33.99	38.45	PASS
GSM850	190	34.24	38.45	PASS
GSM850	251	34.23	38.45	PASS
GSM1900	512	29.78	33.00	PASS
GSM1900	661	30.20	33.00	PASS
GSM1900	810	30.74	33.00	PASS

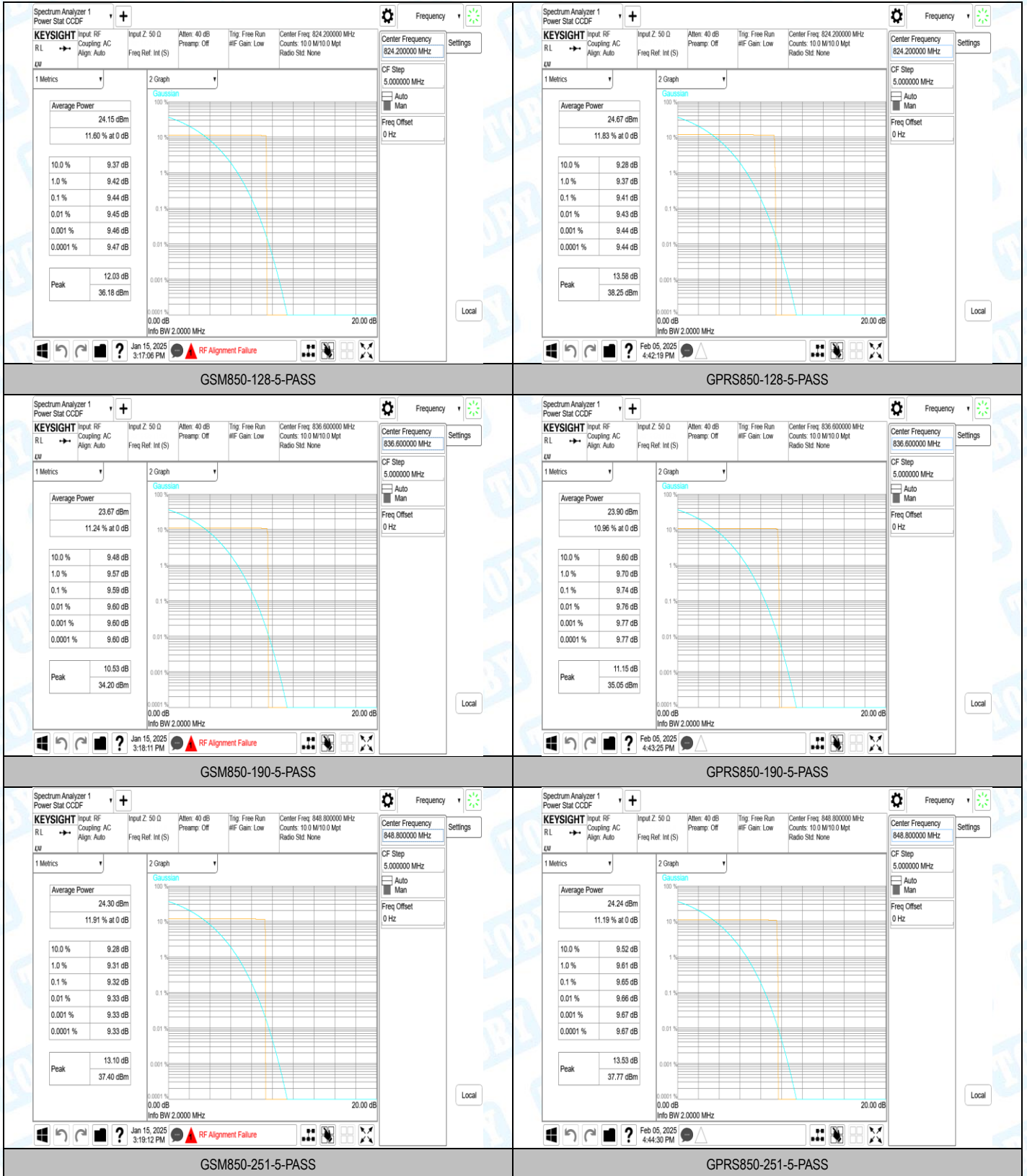
Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	34.07	38.45	PASS
GPRS850	190	1	34.20	38.45	PASS
GPRS850	251	1	34.18	38.45	PASS
GPRS850	128	2	31.29	38.45	PASS
GPRS850	190	2	31.55	38.45	PASS
GPRS850	251	2	31.49	38.45	PASS
GPRS850	128	3	29.25	38.45	PASS
GPRS850	190	3	29.53	38.45	PASS
GPRS850	251	3	29.47	38.45	PASS
GPRS850	128	4	27.26	38.45	PASS
GPRS850	190	4	27.56	38.45	PASS
GPRS850	251	4	27.49	38.45	PASS
GPRS1900	512	1	29.86	33.00	PASS
GPRS1900	661	1	30.19	33.00	PASS
GPRS1900	810	1	30.71	33.00	PASS
GPRS1900	512	2	27.42	33.00	PASS
GPRS1900	661	2	27.93	33.00	PASS
GPRS1900	810	2	28.74	33.00	PASS
GPRS1900	512	3	25.82	33.00	PASS
GPRS1900	661	3	26.32	33.00	PASS
GPRS1900	810	3	27.18	33.00	PASS
GPRS1900	512	4	23.63	33.00	PASS
GPRS1900	661	4	24.12	33.00	PASS
GPRS1900	810	4	25.03	33.00	PASS

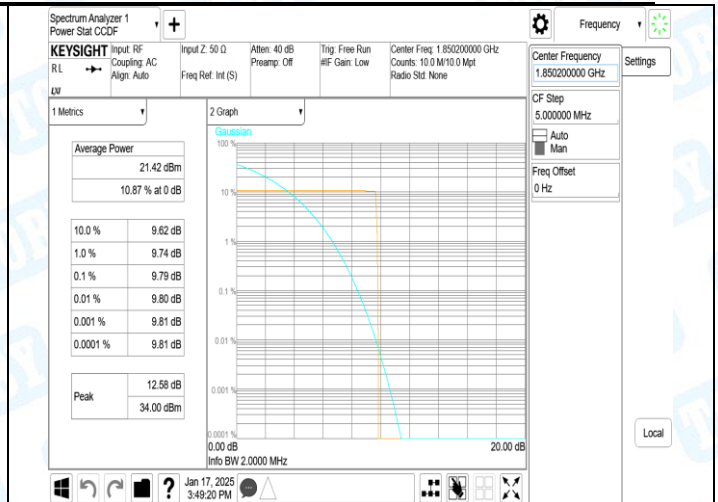
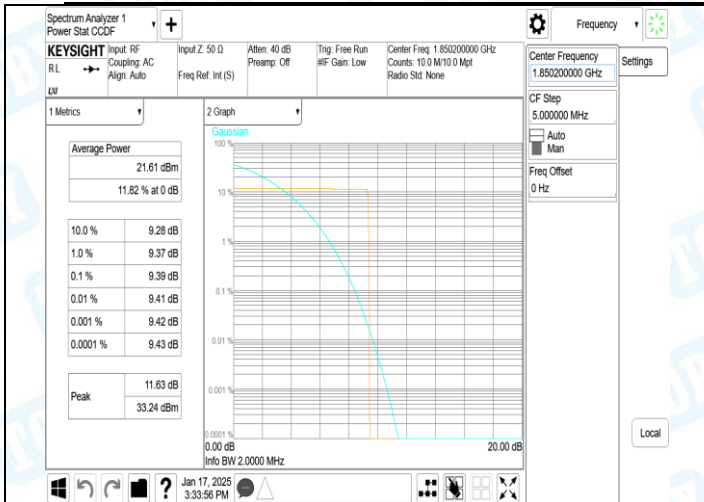
2: Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	9.44	13	PASS
GPRS850	128	9.41	13	PASS
GSM850	190	9.59	13	PASS
GPRS850	190	9.74	13	PASS
GSM850	251	9.32	13	PASS
GPRS850	251	9.65	13	PASS
GSM1900	512	9.39	13	PASS
GPRS1900	512	9.79	13	PASS
GSM1900	661	9.59	13	PASS
GPRS1900	661	9.69	13	PASS
GSM1900	810	9.34	13	PASS
GPRS1900	810	9.59	13	PASS

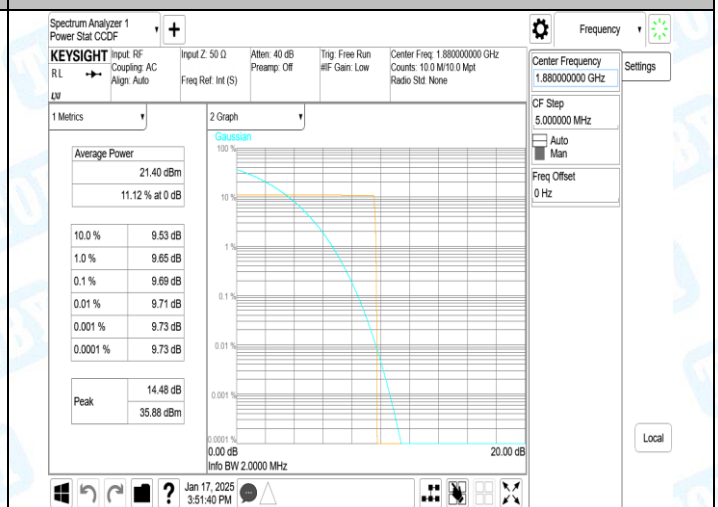
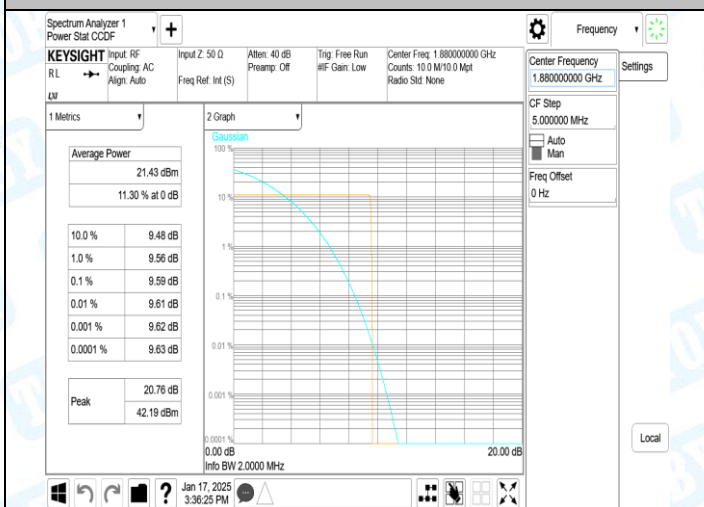
Test Graphs





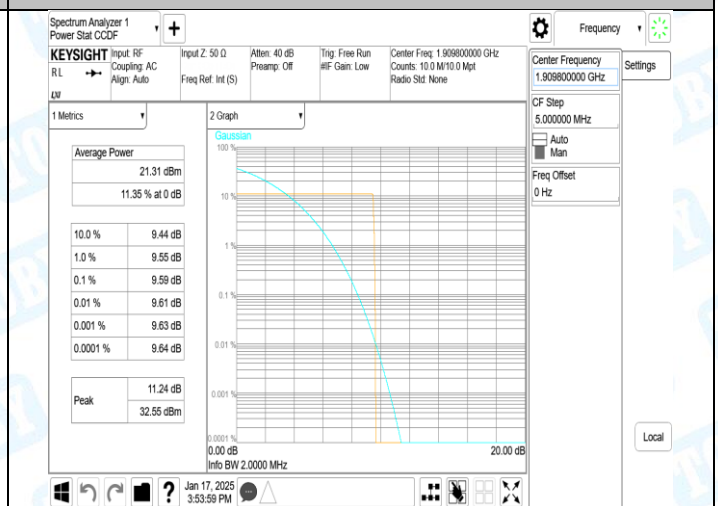
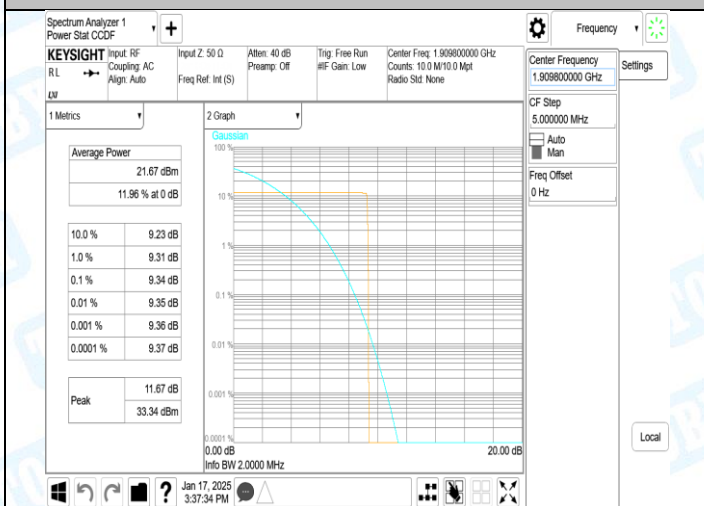
GSM1900-512-0-PASS

GRPS1900-512-0-PASS



GSM1900-661-0-PASS

GRPS1900-661-0-PASS



GSM1900-810-0-PASS

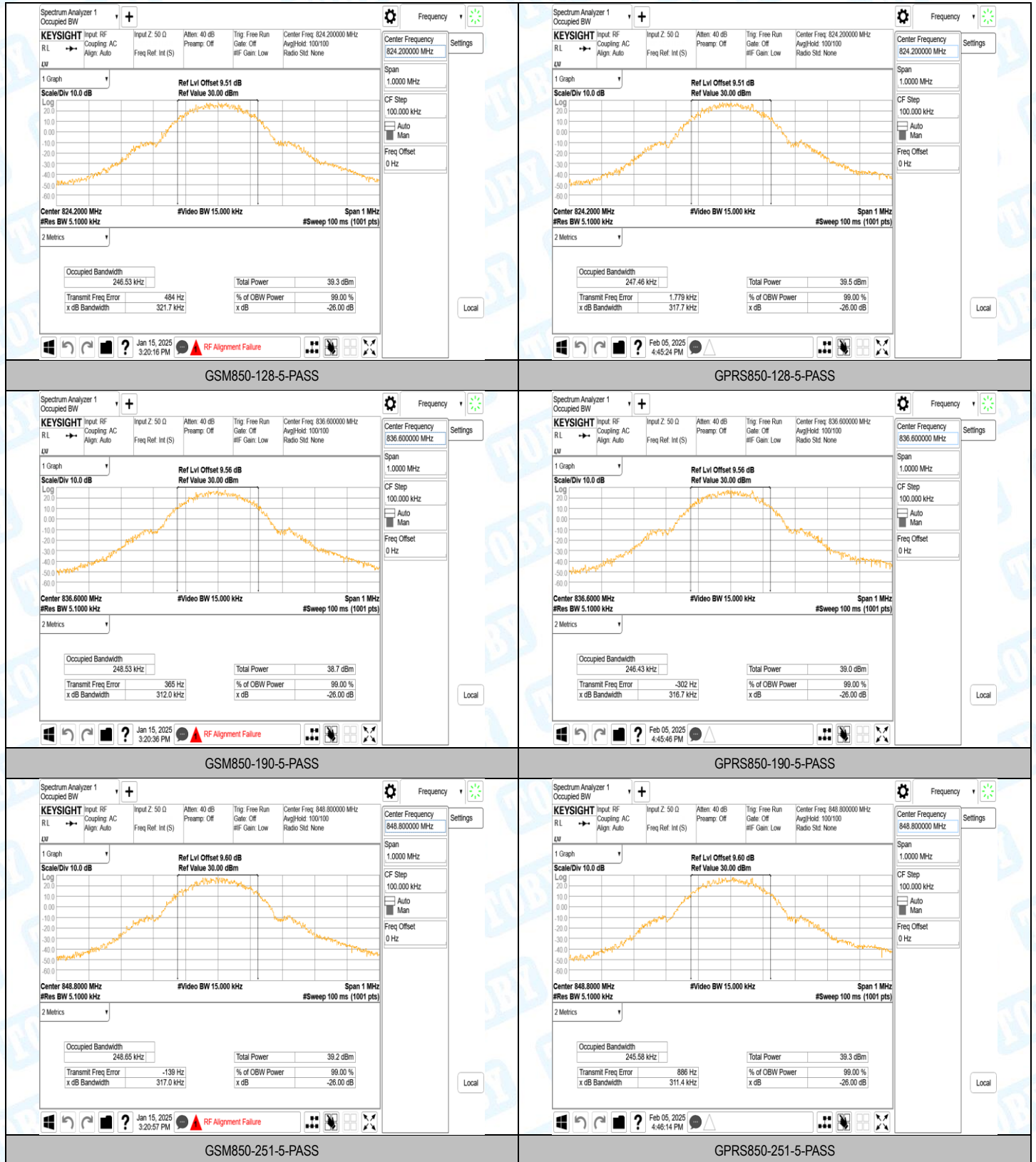
GRPS1900-810-0-PASS

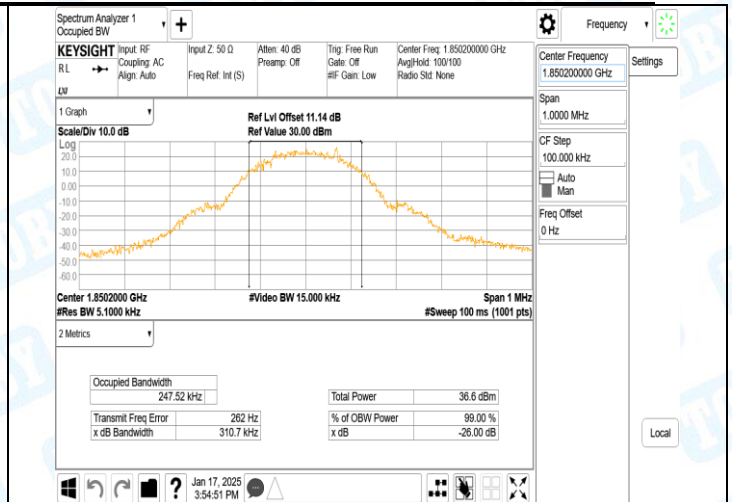
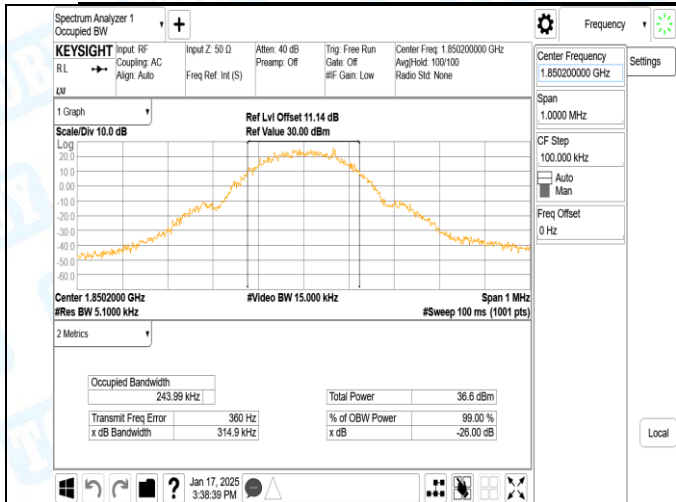
3: 26dB Bandwidth and Occupied Bandwidth

Test Result

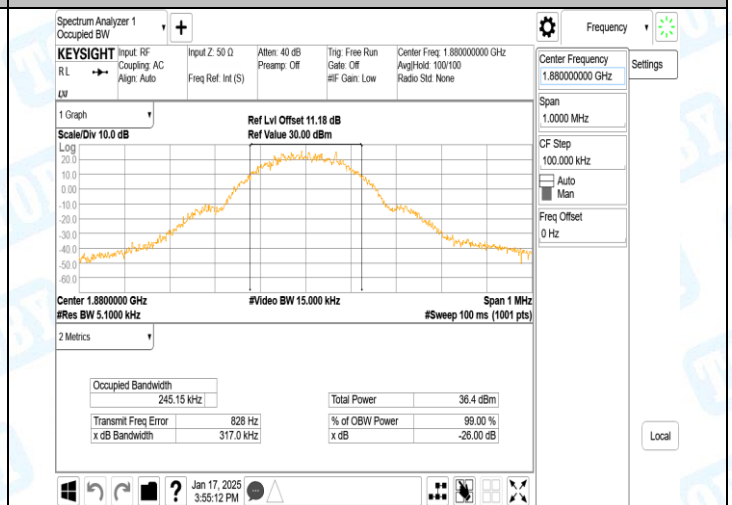
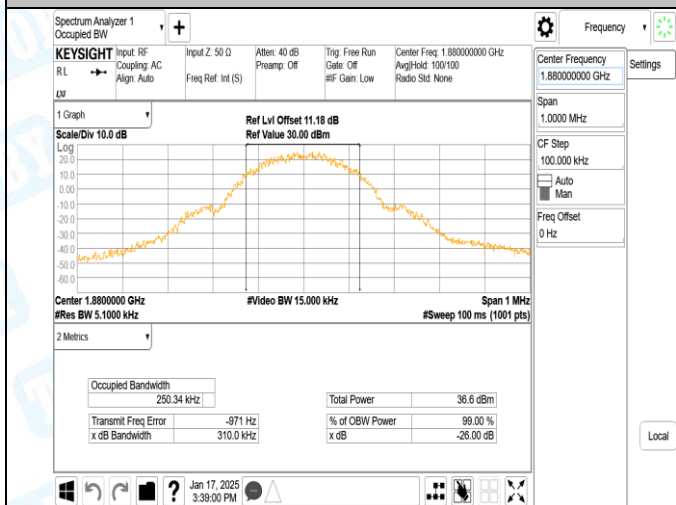
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.24653	0.3217	---	PASS
GPRS850	128	0.24746	0.3177	---	PASS
GSM850	190	0.24853	0.3120	---	PASS
GPRS850	190	0.24643	0.3167	---	PASS
GSM850	251	0.24865	0.3170	---	PASS
GPRS850	251	0.24558	0.3114	---	PASS
GSM1900	512	0.24399	0.3149	---	PASS
GPRS1900	512	0.24752	0.3107	---	PASS
GSM1900	661	0.25034	0.3100	---	PASS
GPRS1900	661	0.24515	0.3170	---	PASS
GSM1900	810	0.24991	0.3138	---	PASS
GPRS1900	810	0.24641	0.3177	---	PASS

Test Graphs



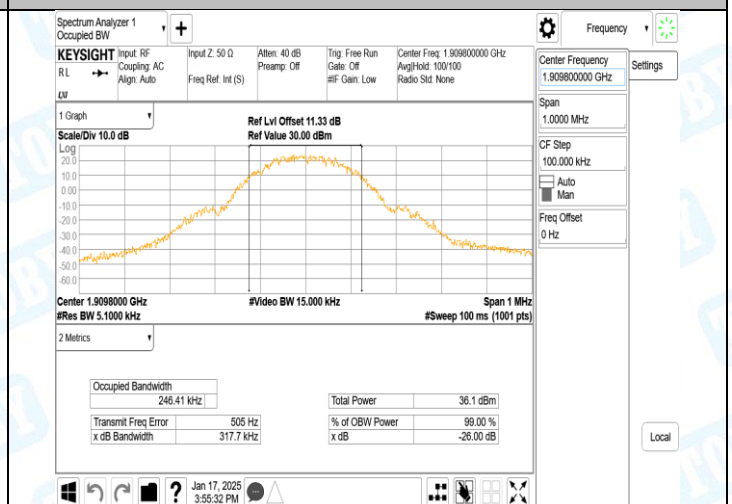
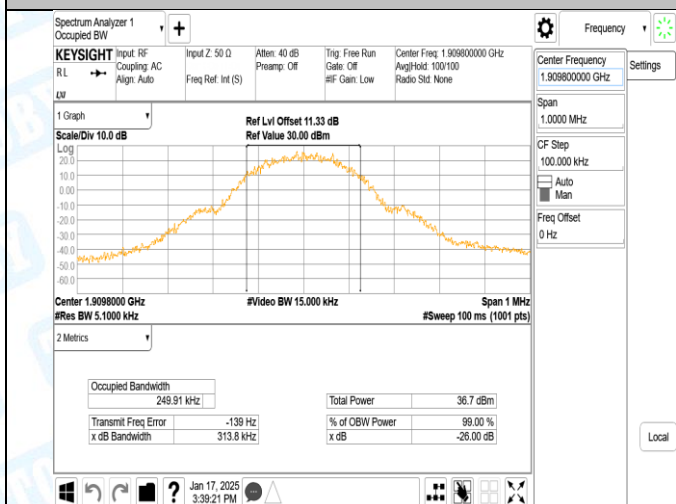


GSM1900-512-0-PASS



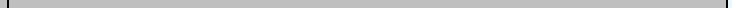
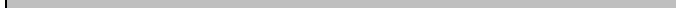
GPRS1900-512-0-PASS

GSM1900-661-0-PASS



GPRS1900-661-0-PASS

GSM1900-810-0-PASS



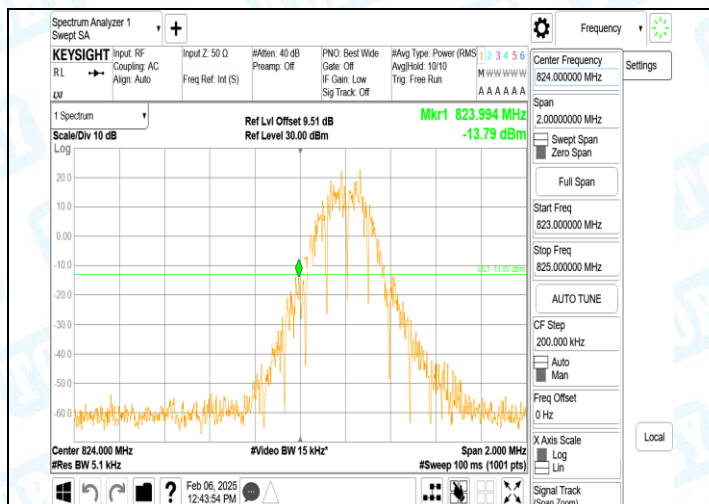
GPRS1900-810-0-PASS

4: Band Edge

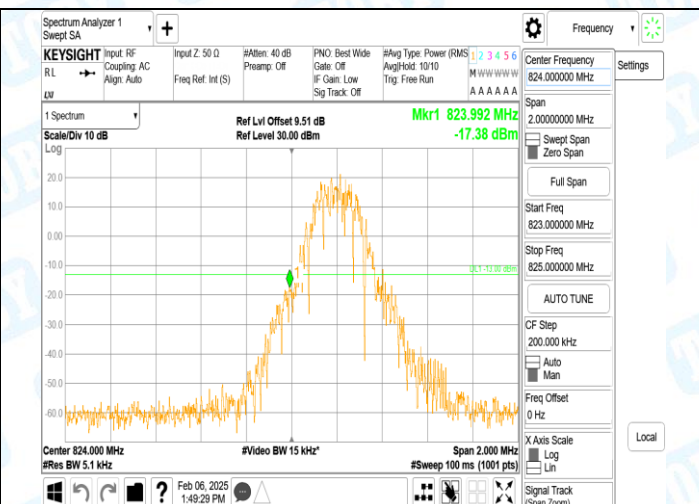
Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	823.99	-13.79	-13	PASS
GPRS850	128	823.99	-17.38	-13	PASS
GSM850	251	849.02	-13.84	-13	PASS
GPRS850	251	849.00	-14.36	-13	PASS
GSM1900	512	1849.99	-14.55	-13	PASS
GPRS1900	512	1849.99	-17.23	-13	PASS
GSM1900	810	1910.02	-13.26	-13	PASS
GPRS1900	810	1910.01	-17.27	-13	PASS

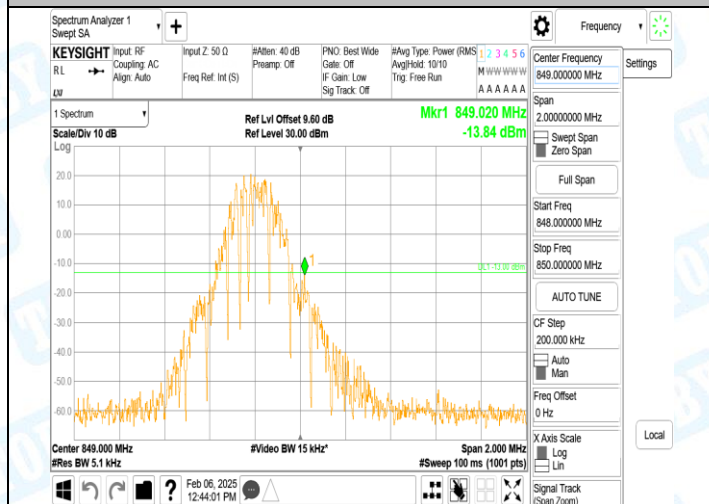
Test Graphs



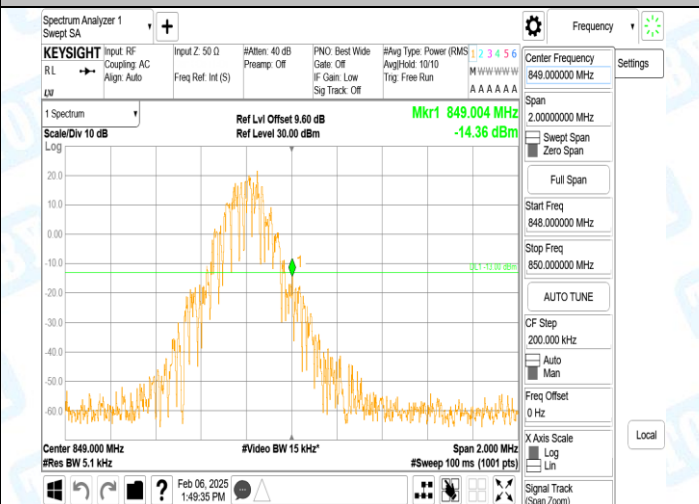
GSM850-128-5-PASS



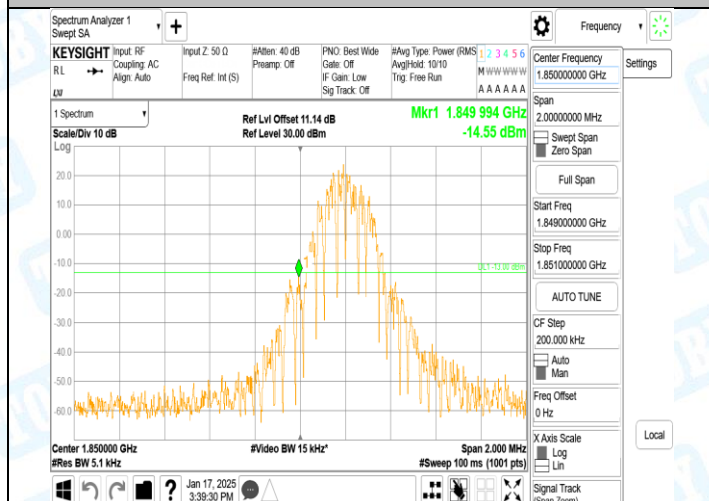
GPRS850-128-5-PASS



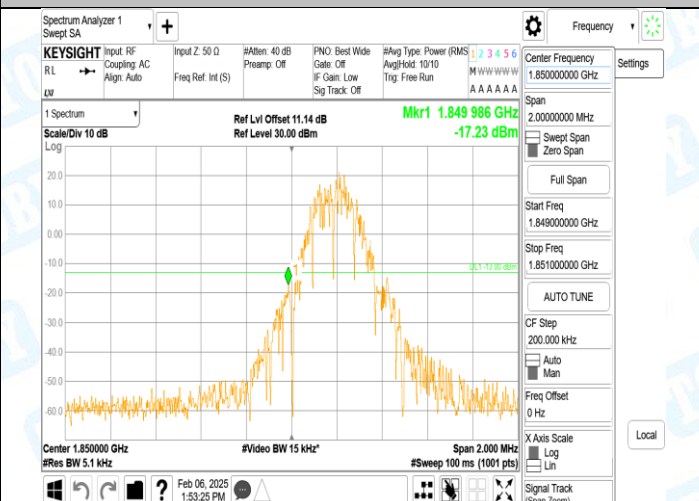
GSM850-251-5-PASS



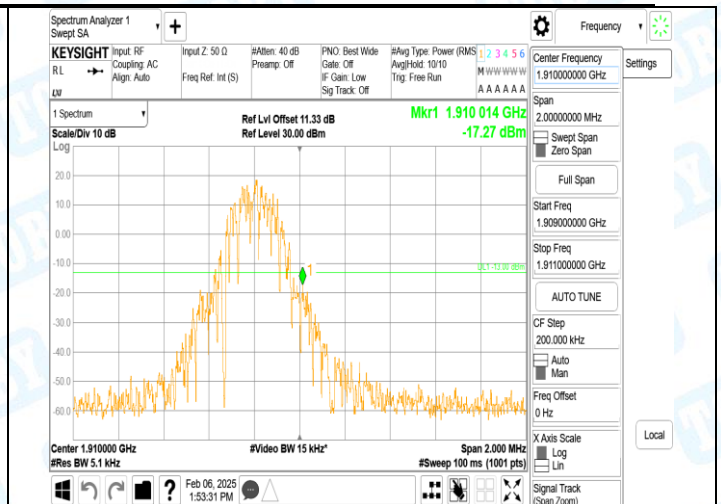
GPRS850-251-5-PASS



GSM1900-512-0-PASS



GPRS1900-512-0-PASS



GPRS1900-810-0-PASS

5: Conducted Spurious Emission

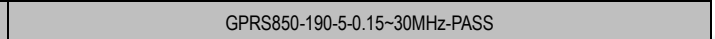
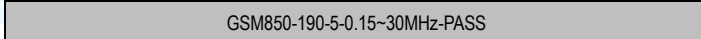
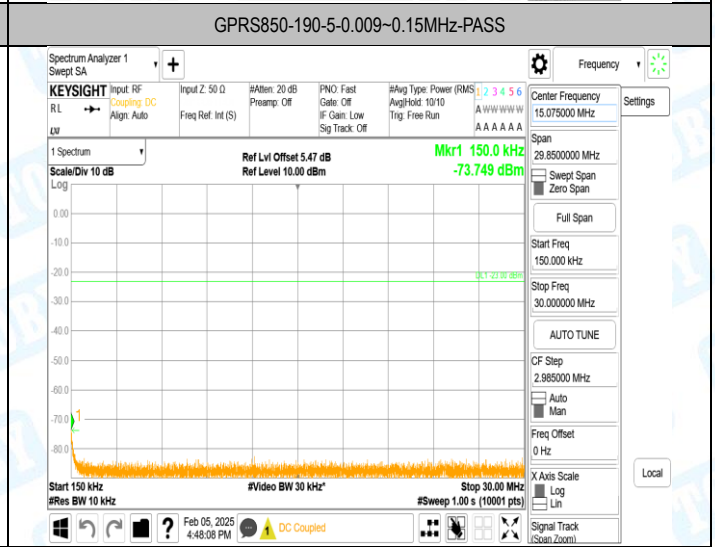
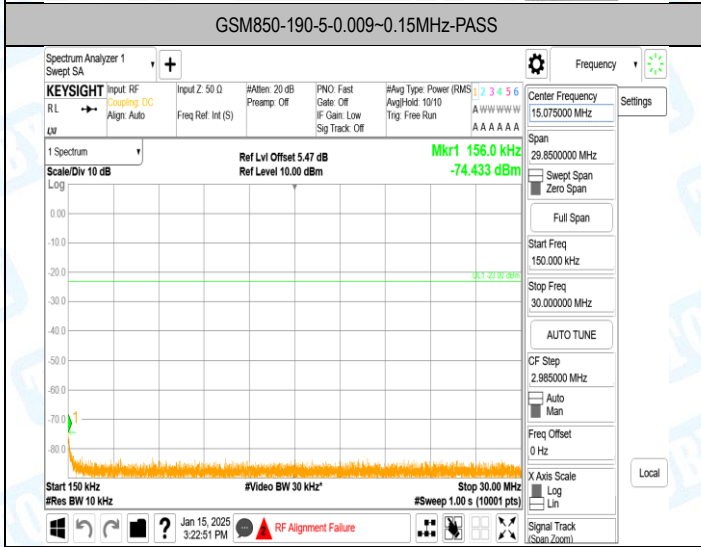
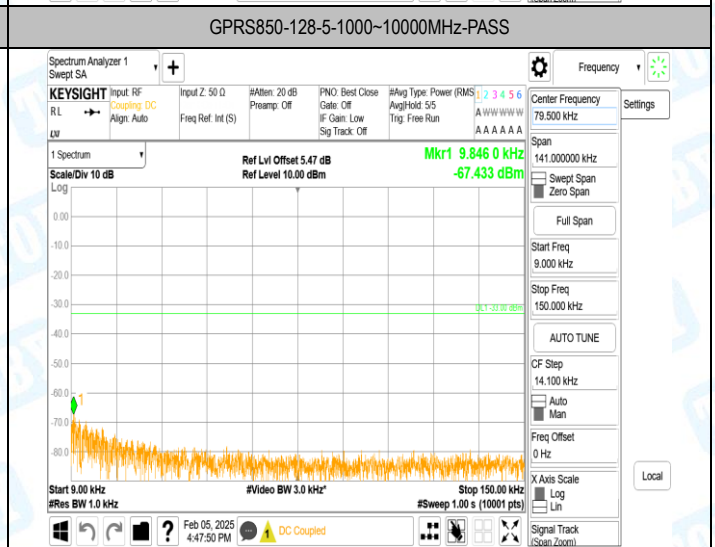
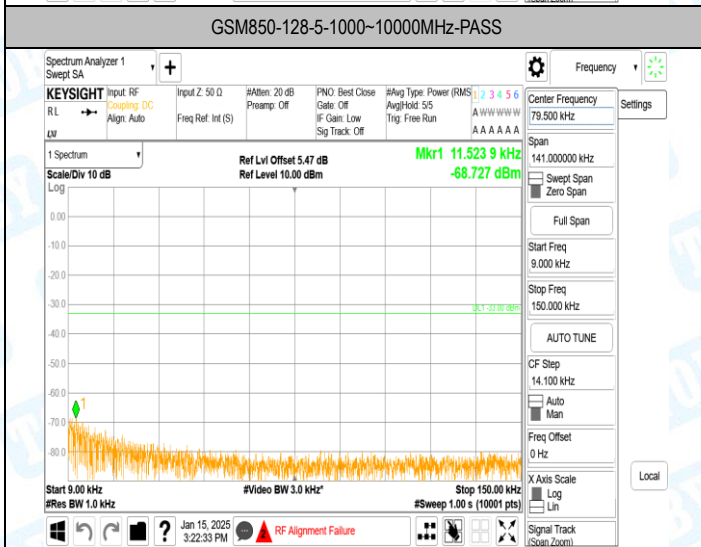
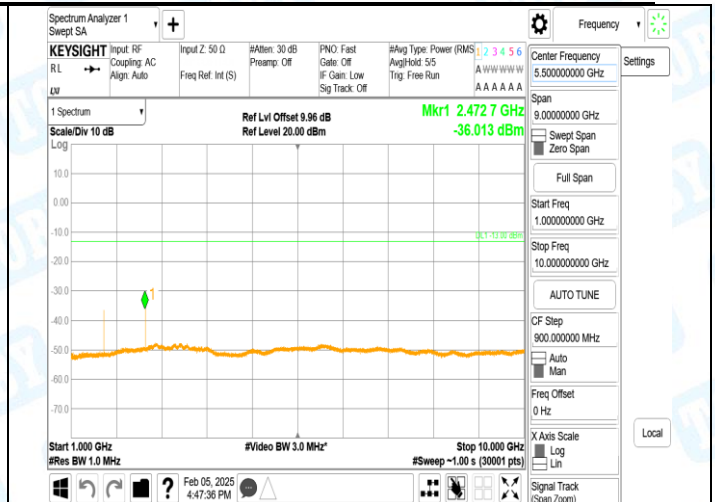
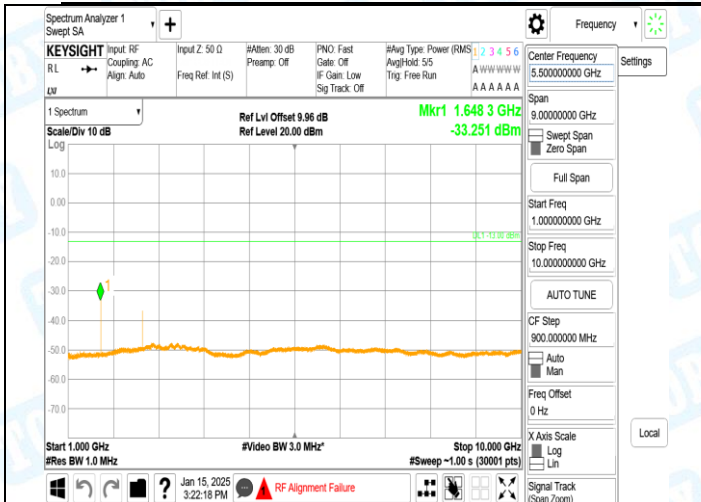
Test Result

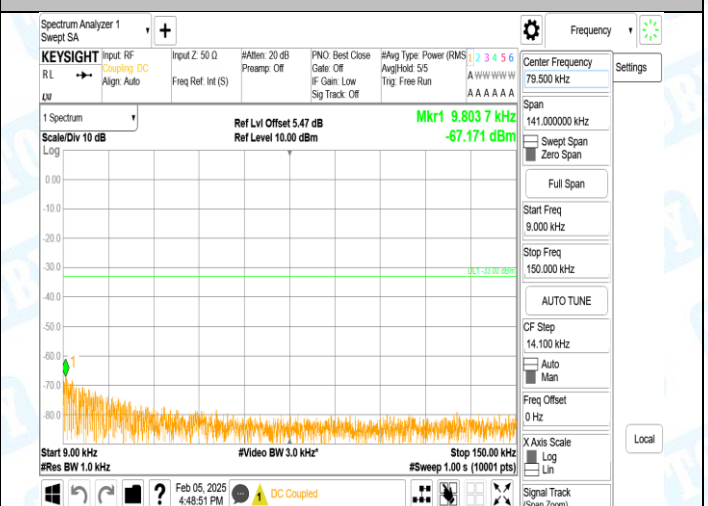
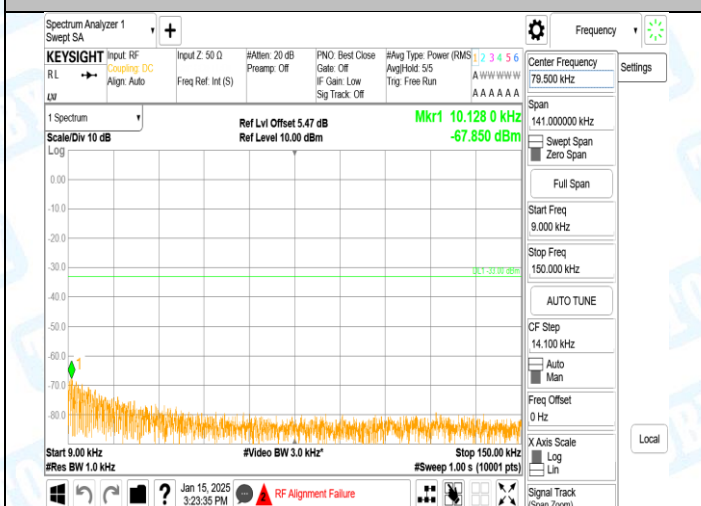
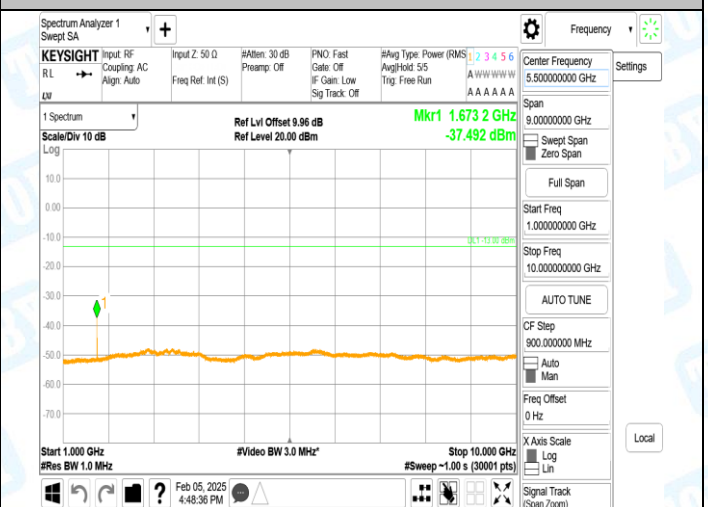
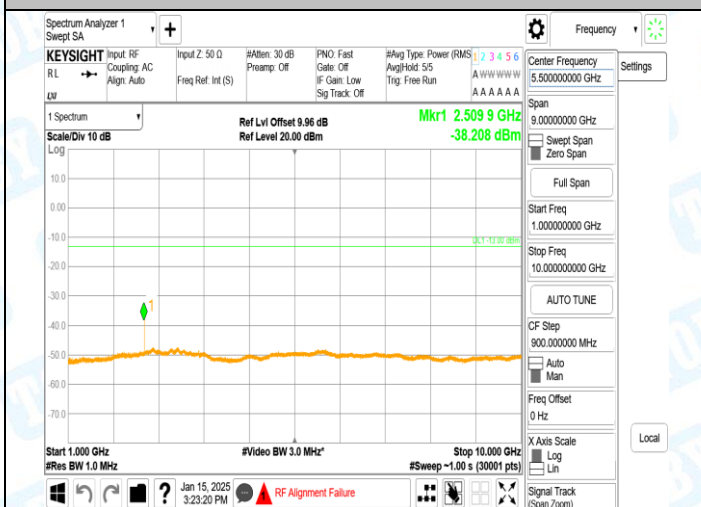
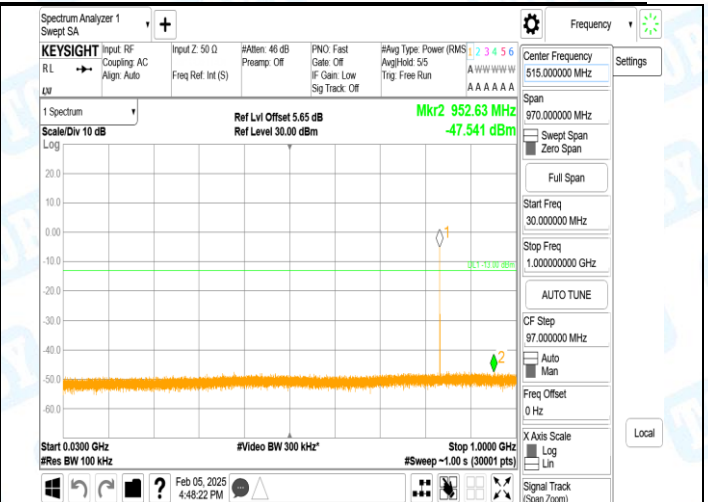
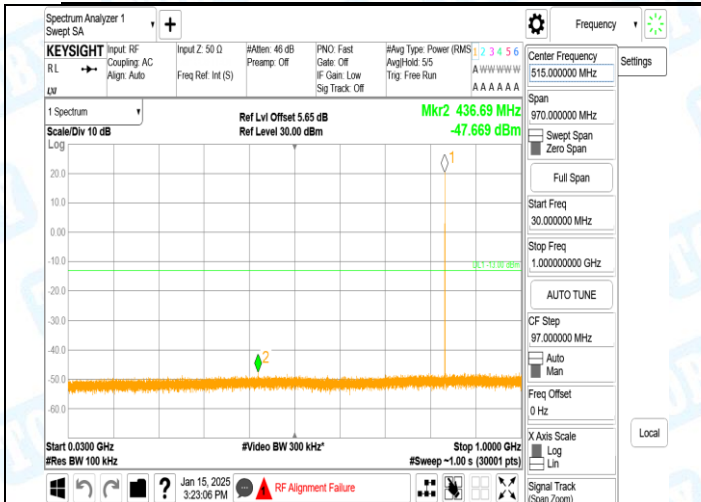
Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	0.009~0.15MHz	0.01	-66.99	-33	PASS
GPRS850	128	0.009~0.15MHz	0.01	-65.47	-33	PASS
GSM850	128	0.15~30MHz	0.16	-74.43	-23	PASS
GPRS850	128	0.15~30MHz	0.16	-74.22	-23	PASS
GSM850	128	30~1000MHz	997.74	-47.66	-13	PASS
GPRS850	128	30~1000MHz	538.8	-47.6	-13	PASS
GSM850	128	1000~10000MHz	1648.3	-33.25	-13	PASS
GPRS850	128	1000~10000MHz	2472.7	-36.01	-13	PASS
GSM850	190	0.009~0.15MHz	0.01	-68.73	-33	PASS
GPRS850	190	0.009~0.15MHz	0.01	-67.43	-33	PASS
GSM850	190	0.15~30MHz	0.16	-74.43	-23	PASS
GPRS850	190	0.15~30MHz	0.15	-73.75	-23	PASS
GSM850	190	30~1000MHz	436.69	-47.67	-13	PASS
GPRS850	190	30~1000MHz	952.63	-47.54	-13	PASS
GSM850	190	1000~10000MHz	2509.9	-38.21	-13	PASS
GPRS850	190	1000~10000MHz	1673.2	-37.49	-13	PASS
GSM850	251	0.009~0.15MHz	0.01	-67.85	-33	PASS
GPRS850	251	0.009~0.15MHz	0.01	-67.17	-33	PASS
GSM850	251	0.15~30MHz	0.15	-74.65	-23	PASS
GPRS850	251	0.15~30MHz	0.18	-74.89	-23	PASS
GSM850	251	30~1000MHz	962.62	-48.36	-13	PASS
GPRS850	251	30~1000MHz	983.38	-47.75	-13	PASS
GSM850	251	1000~10000MHz	2546.5	-36.3	-13	PASS
GPRS850	251	1000~10000MHz	2546.2	-37.9	-13	PASS
GSM1900	512	0.009~0.15MHz	0.01	-72.1	-43	PASS
GPRS1900	512	0.009~0.15MHz	0.01	-71.71	-43	PASS
GSM1900	512	0.15~30MHz	0.16	-73.86	-33	PASS
GPRS1900	512	0.15~30MHz	0.16	-74.81	-33	PASS
GSM1900	512	30~1000MHz	890.16	-45.29	-13	PASS
GPRS1900	512	30~1000MHz	837.95	-45.43	-13	PASS
GSM1900	512	1000~3000MHz	2675.2	-31.43	-13	PASS
GPRS1900	512	1000~3000MHz	2686.73	-31.44	-13	PASS
GSM1900	512	3000~18000MHz	5550.5	-46.48	-13	PASS
GPRS1900	512	3000~18000MHz	3700.5	-47.75	-13	PASS
GSM1900	661	0.009~0.15MHz	0.01	-72.07	-43	PASS
GPRS1900	661	0.009~0.15MHz	0.01	-70.6	-43	PASS
GSM1900	661	0.15~30MHz	0.17	-74.59	-33	PASS
GPRS1900	661	0.15~30MHz	0.18	-74.98	-33	PASS
GSM1900	661	30~1000MHz	891.85	-45.29	-13	PASS
GPRS1900	661	30~1000MHz	964.89	-45.38	-13	PASS

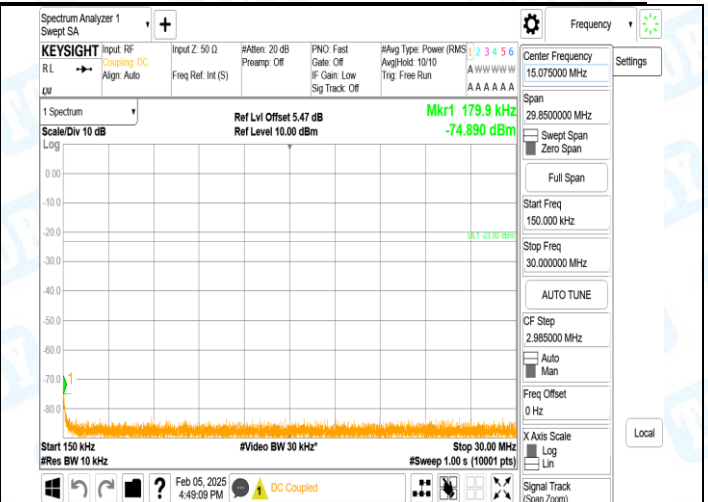
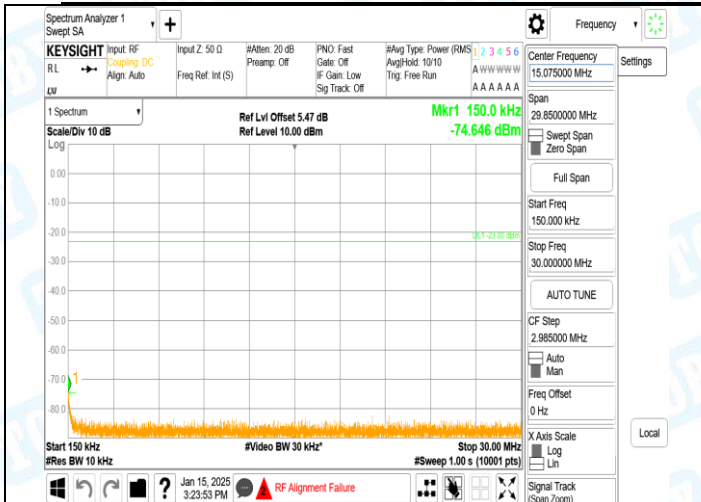
GSM1900	661	1000~3000MHz	2667.93	-31.59	-13	PASS
GPRS1900	661	1000~3000MHz	2688.33	-31.42	-13	PASS
GSM1900	661	3000~18000MHz	5640	-47.86	-13	PASS
GPRS1900	661	3000~18000MHz	5640	-49.81	-13	PASS
GSM1900	810	0.009~0.15MHz	0.01	-72.43	-43	PASS
GPRS1900	810	0.009~0.15MHz	0.01	-73.51	-43	PASS
GSM1900	810	0.15~30MHz	0.15	-73.48	-33	PASS
GPRS1900	810	0.15~30MHz	0.15	-73.79	-33	PASS
GSM1900	810	30~1000MHz	894.04	-45.46	-13	PASS
GPRS1900	810	30~1000MHz	947.98	-45.31	-13	PASS
GSM1900	810	1000~3000MHz	2689.33	-31.45	-13	PASS
GPRS1900	810	1000~3000MHz	2701	-31.39	-13	PASS
GSM1900	810	3000~18000MHz	16457	-50.04	-13	PASS
GPRS1900	810	3000~18000MHz	16461	-49.86	-13	PASS

Test Graphs



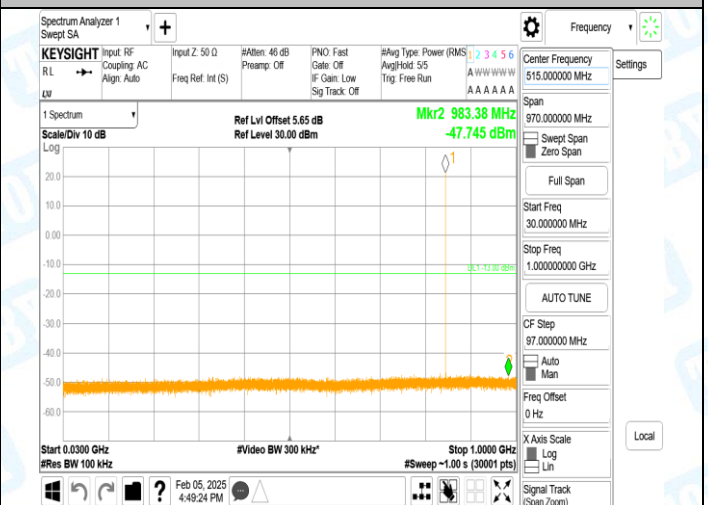
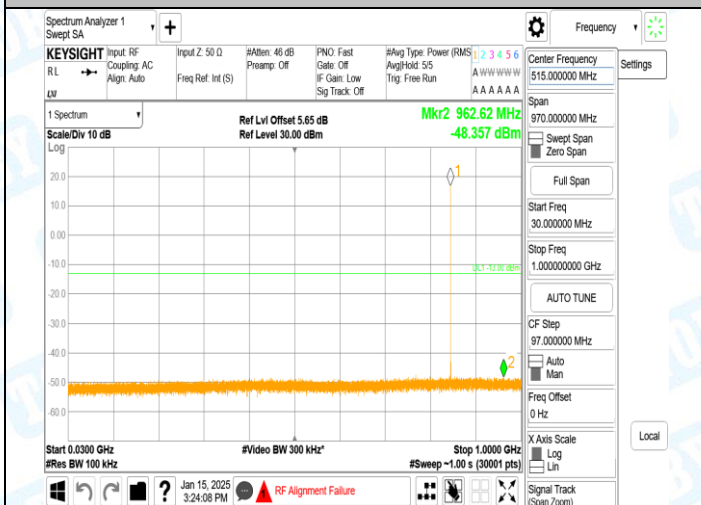






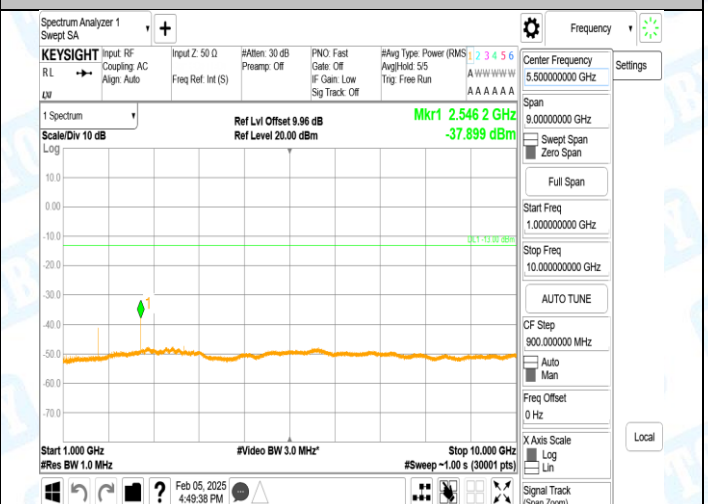
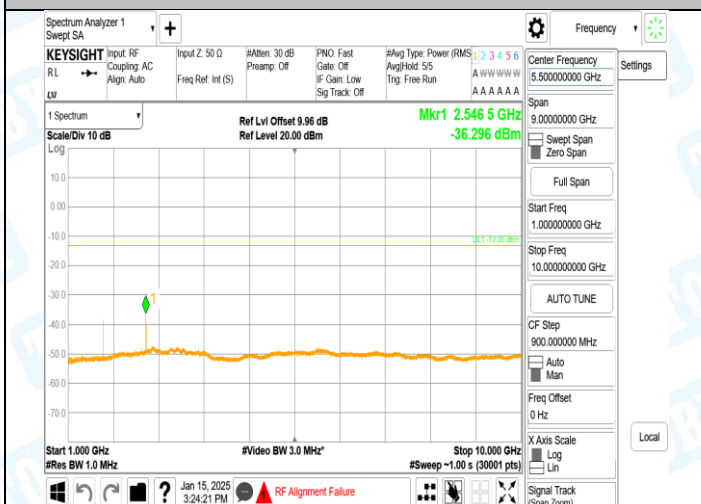
GSM850-251-5-0.15~30MHz-PASS

GPRS850-251-5-0.15~30MHz-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