

GSM Test Data

General Description of EUT	
Product Name:	Mobile phone
Test Model:	RS1
Sample ID:	HC-C-202404-0014-01-02#
Environmental Conditions	
Temperature:	22.0°C-25°C
Relative Humidity:	43%-55%
Test Voltage:	DC 3.7V
Test Engineer:	Mike Yan
Note: For a more detailed features description, please refer to the report TBR-C-202404-0014-31 . The report only show the worst case data.	

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1: Conducted Output Power Data

Test Result

Band	Channel	Conducted Power(dBm)	Limit(dBm)	Verdict
GSM850	128	31.54	38.45	PASS
GSM850	190	31.62	38.45	PASS
GSM850	251	31.14	38.45	PASS
GSM1900	512	26.15	33.00	PASS
GSM1900	661	26.47	33.00	PASS
GSM1900	810	26.15	33.00	PASS

Band	Channel	Slot	Conducted Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	33.86	38.45	PASS
GPRS850	190	1	33.75	38.45	PASS
GPRS850	251	1	33.54	38.45	PASS
GPRS850	128	2	31.64	38.45	PASS
GPRS850	190	2	31.55	38.45	PASS
GPRS850	251	2	31.37	38.45	PASS
GPRS850	128	3	29.74	38.45	PASS
GPRS850	190	3	29.67	38.45	PASS
GPRS850	251	3	29.50	38.45	PASS
GPRS850	128	4	27.61	38.45	PASS
GPRS850	190	4	27.55	38.45	PASS
GPRS850	251	4	27.41	38.45	PASS
GPRS1900	512	1	26.18	33.00	PASS
GPRS1900	661	1	26.39	33.00	PASS
GPRS1900	810	1	26.03	33.00	PASS
GPRS1900	512	2	24.28	33.00	PASS
GPRS1900	661	2	24.18	33.00	PASS
GPRS1900	810	2	23.77	33.00	PASS
GPRS1900	512	3	22.68	33.00	PASS
GPRS1900	661	3	22.56	33.00	PASS
GPRS1900	810	3	22.12	33.00	PASS
GPRS1900	512	4	20.51	33.00	PASS
GPRS1900	661	4	20.39	33.00	PASS
GPRS1900	810	4	19.94	33.00	PASS

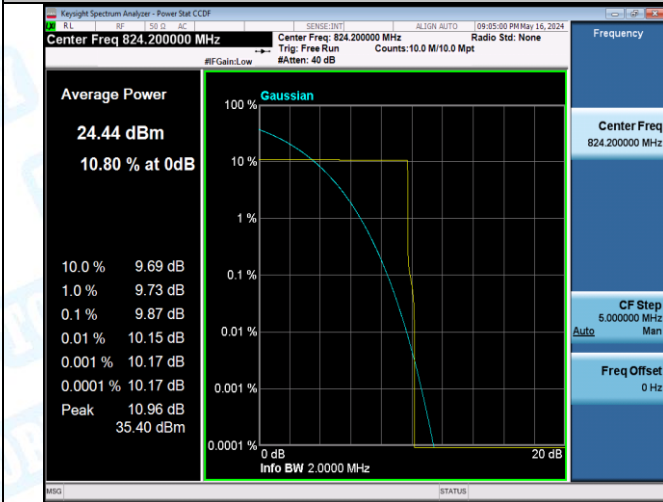
2: Peak-to-Average Ratio(CCDF)

Test Result

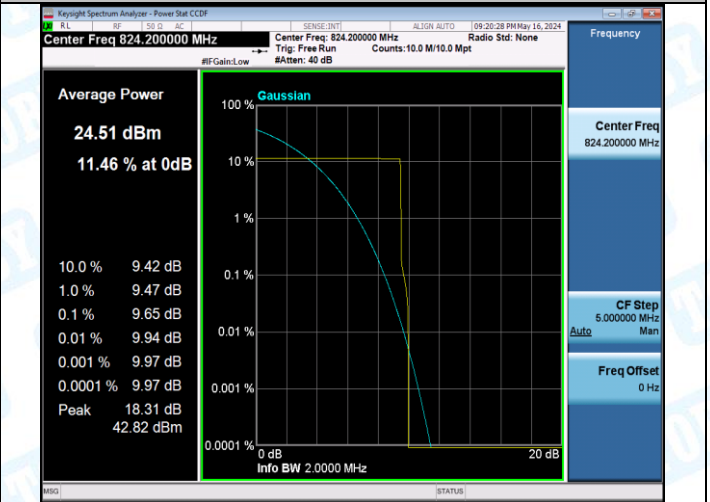
Band	Channel	Result(dB)	Limit(dB)	Verdict
GPRS850	128	9.87	13	PASS
GSM850	128	9.65	13	PASS
GPRS850	190	9.22	13	PASS
GSM850	190	9.38	13	PASS
GPRS850	251	9.53	13	PASS
GSM850	251	9.95	13	PASS
GPRS1900	512	9.47	13	PASS
GSM1900	512	9.35	13	PASS
GPRS1900	661	10.12	13	PASS
GSM1900	661	9.47	13	PASS
GPRS1900	810	9.92	13	PASS
GSM1900	810	9.59	13	PASS

Test Graphs

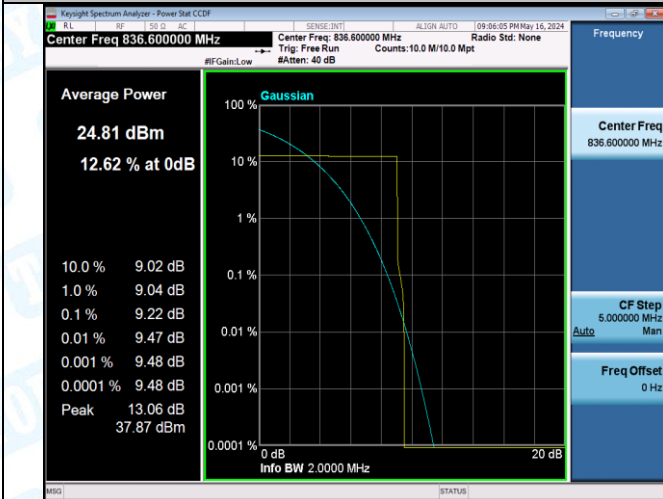
GPRS850-128-5-PASS



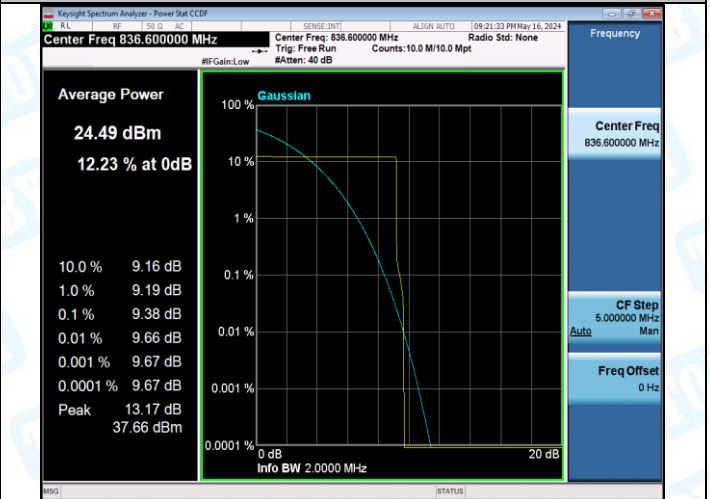
GSM850-128-5-PASS



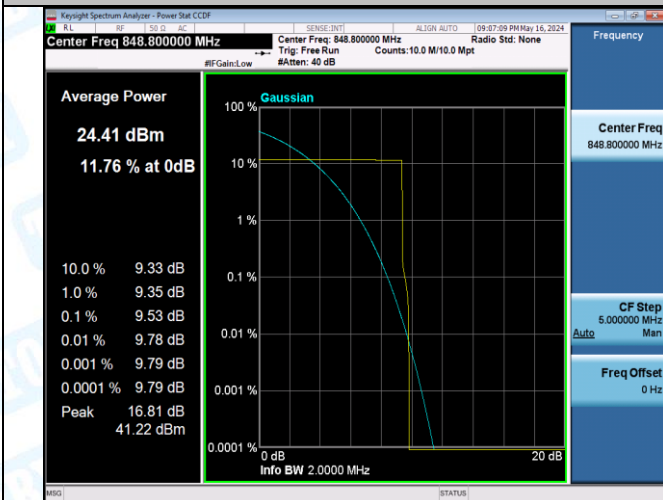
GPRS850-190-5-PASS



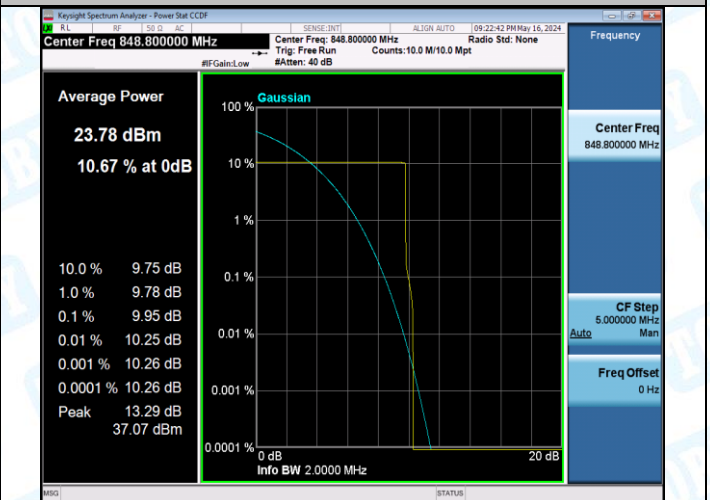
GSM850-190-5-PASS



GPRS850-251-5-PASS

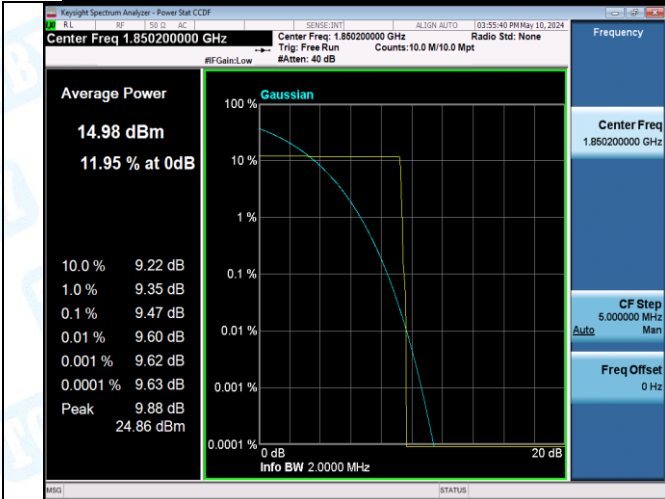


GSM850-251-5-PASS

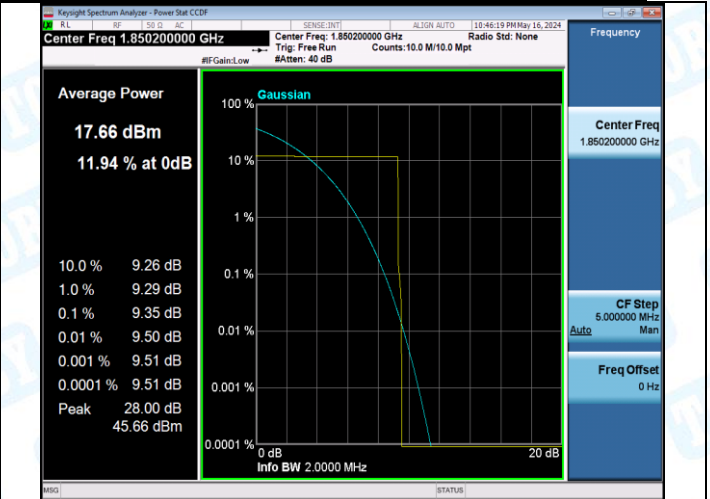


GPRS1900-512-0-PASS

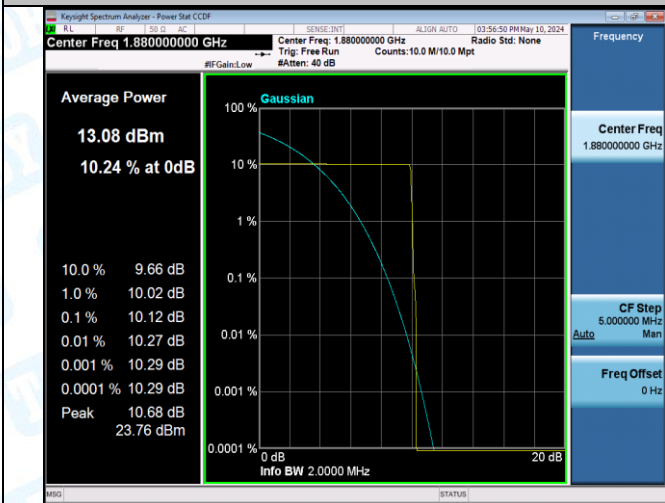
GSM1900-512-0-PASS



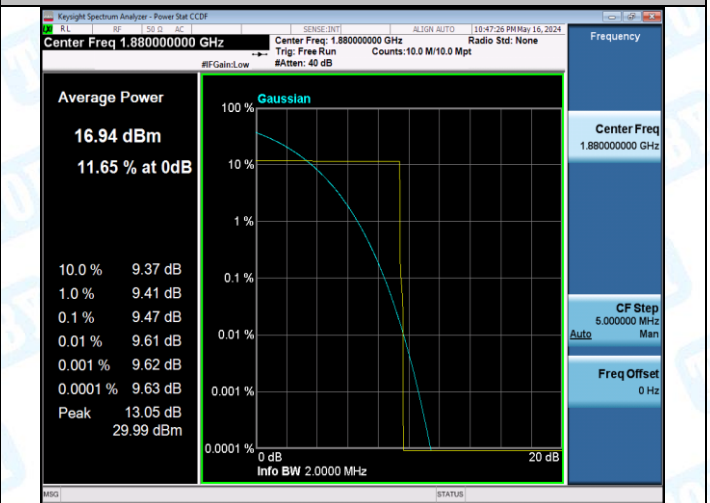
GPRS1900-661-0-PASS



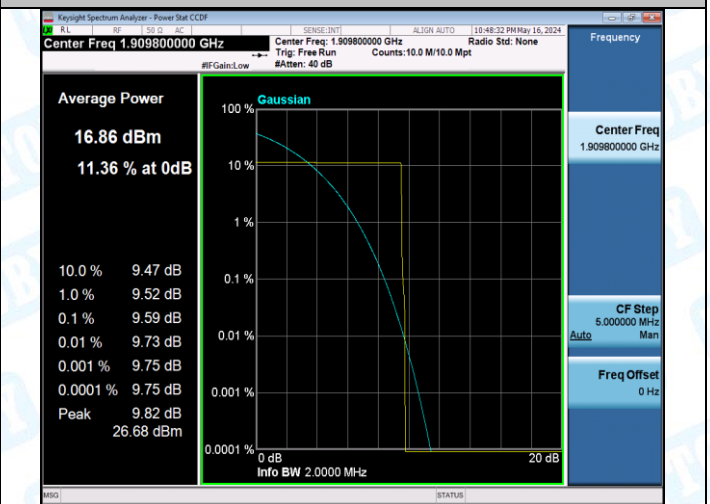
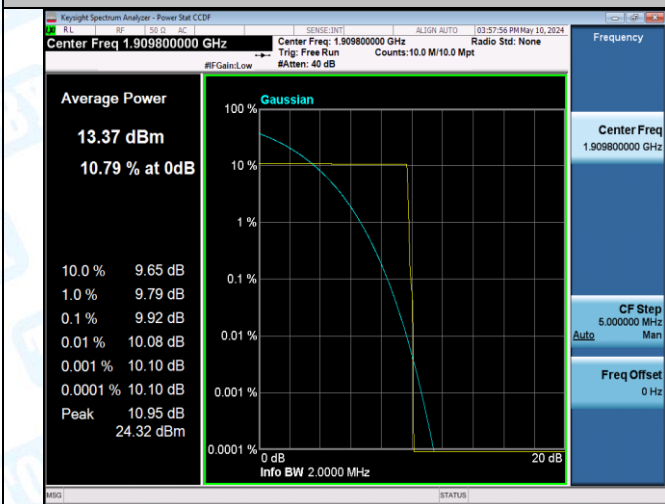
GSM1900-661-0-PASS



GPRS1900-810-0-PASS



GSM1900-810-0-PASS

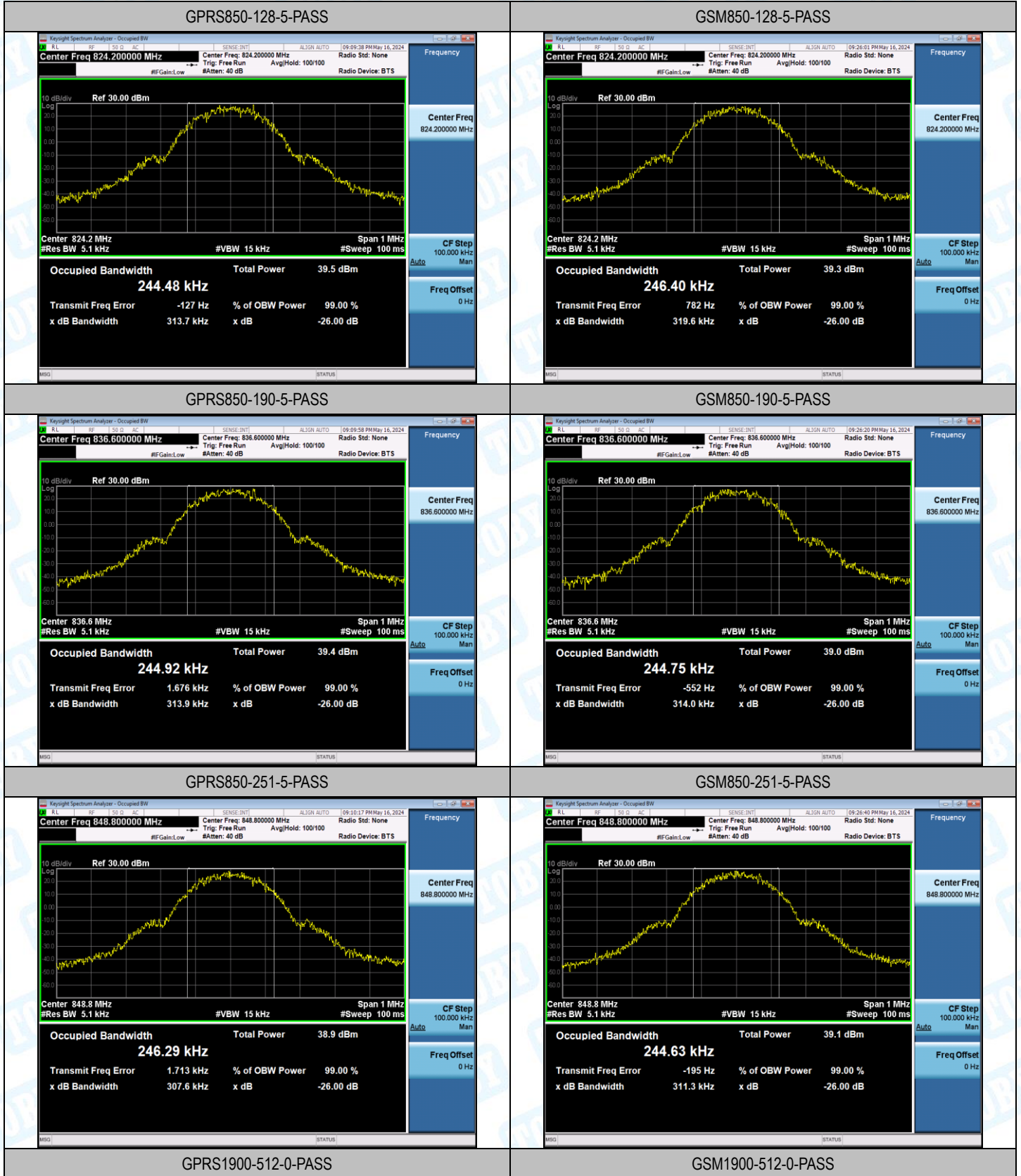


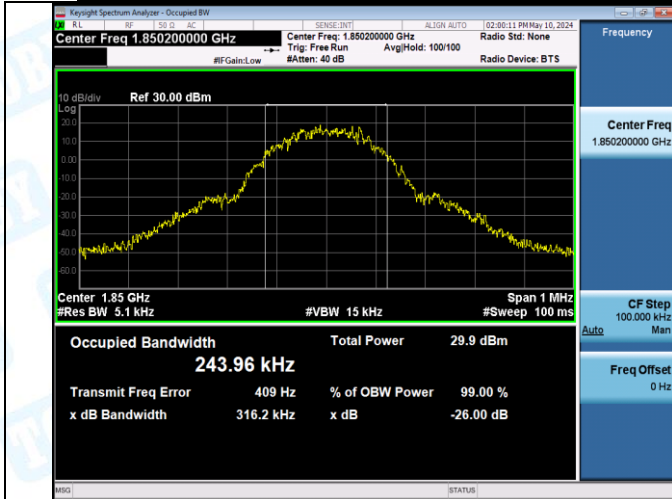
3: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GPRS850	128	0.24448	0.3137	---	PASS
GSM850	128	0.24640	0.3196	---	PASS
GPRS850	190	0.24492	0.3139	---	PASS
GSM850	190	0.24475	0.3140	---	PASS
GPRS850	251	0.24629	0.3076	---	PASS
GSM850	251	0.24463	0.3113	---	PASS
GPRS1900	512	0.24396	0.3162	---	PASS
GSM1900	512	0.24769	0.3153	---	PASS
GPRS1900	661	0.24360	0.3150	---	PASS
GSM1900	661	0.24744	0.3142	---	PASS
GPRS1900	810	0.24403	0.3191	---	PASS
GSM1900	810	0.24606	0.3146	---	PASS

Test Graphs

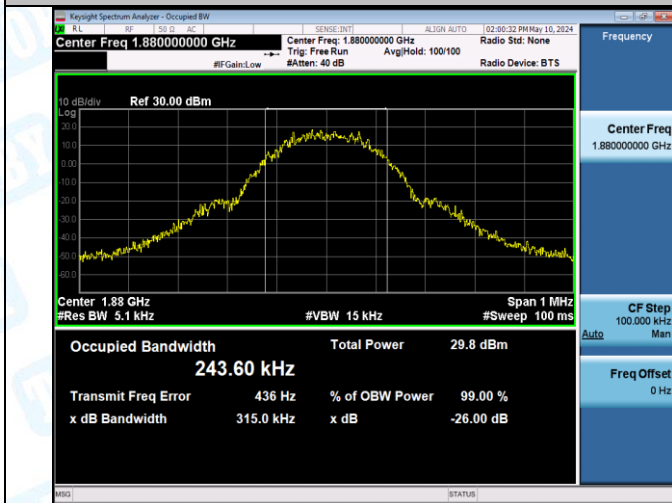




GPRS1900-661-0-PASS



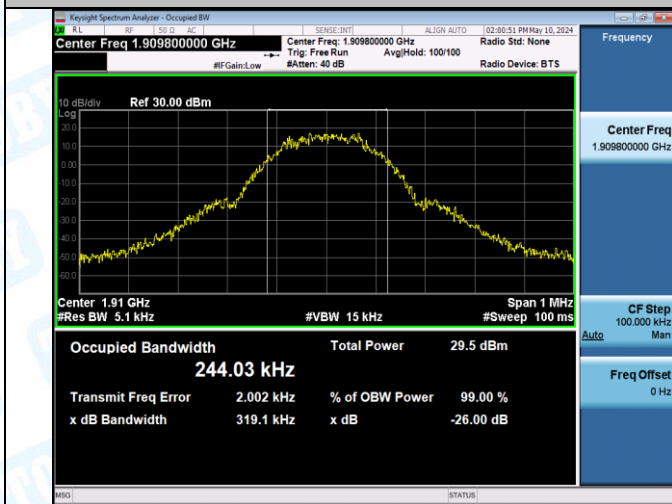
GSM1900-661-0-PASS



GPRS1900-810-0-PASS



GSM1900-810-0-PASS



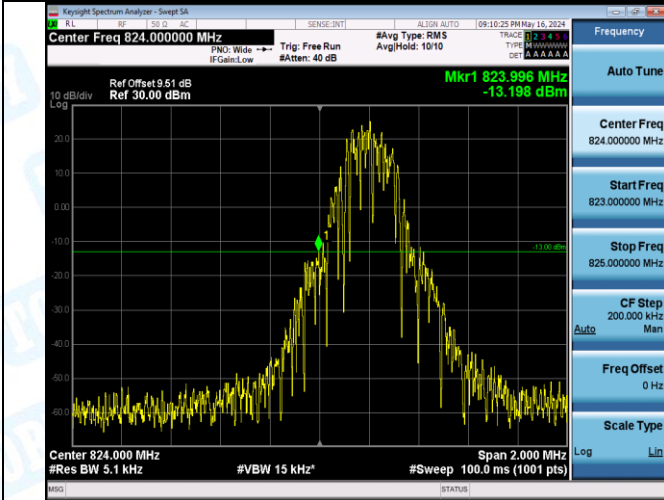
4: Band Edge

Test Result

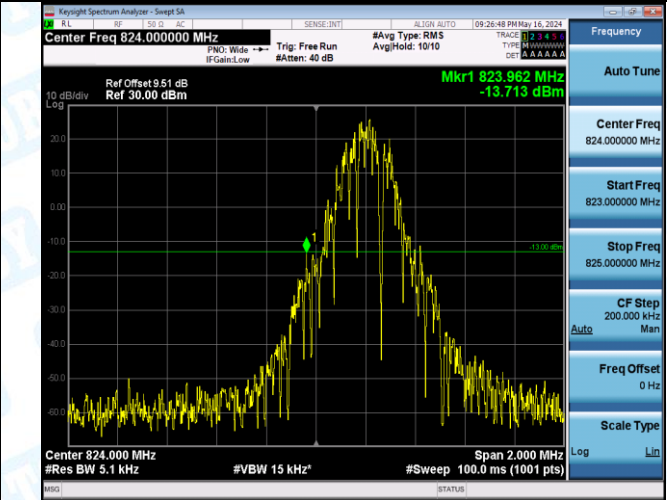
Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GPRS850	128	824.00	-13.20	-13	PASS
GSM850	128	823.96	-13.71	-13	PASS
GPRS850	251	849.02	-13.90	-13	PASS
GSM850	251	849.01	-13.12	-13	PASS
GPRS1900	512	1849.99	-21.00	-13	PASS
GSM1900	512	1849.97	-18.64	-13	PASS
GPRS1900	810	1910.02	-22.21	-13	PASS
GSM1900	810	1910.02	-19.78	-13	PASS

Test Graphs

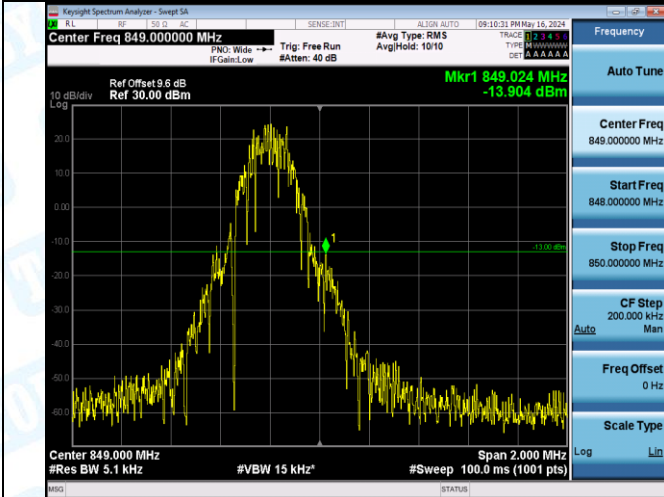
GPRS850-128-5-PASS



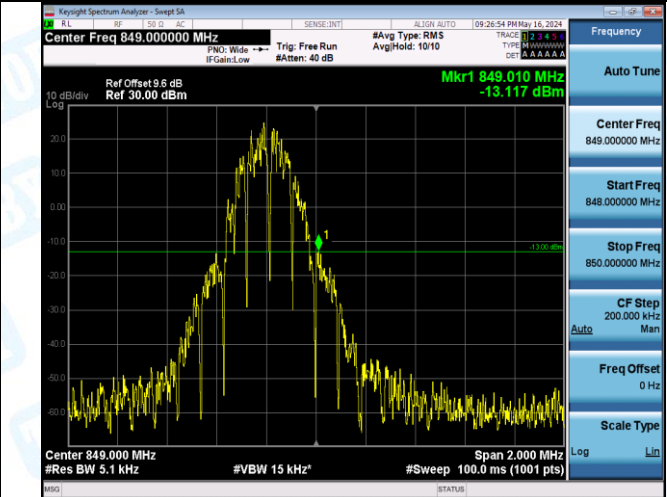
GSM850-128-5-PASS



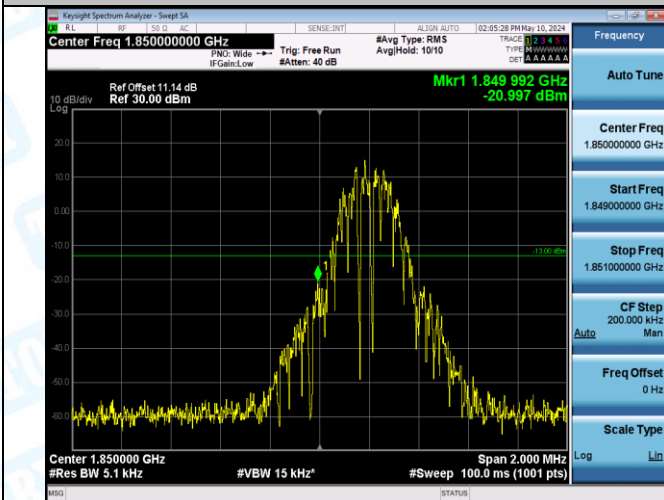
GPRS850-251-5-PASS



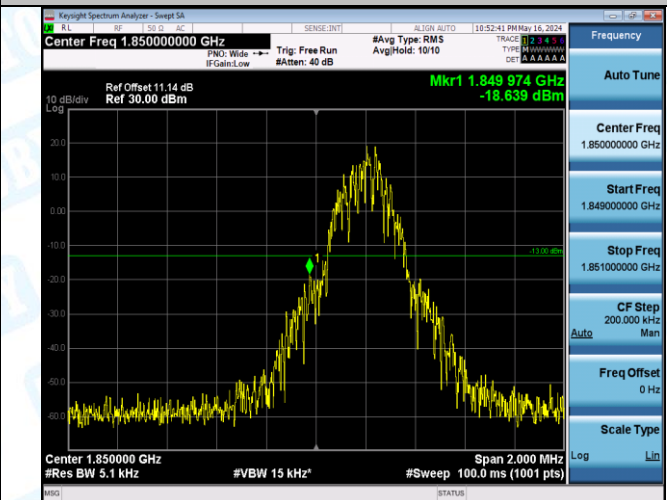
GSM850-251-5-PASS



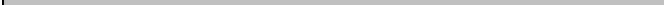
GPRS1900-512-0-PASS



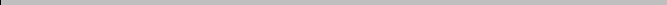
GSM1900-512-0-PASS

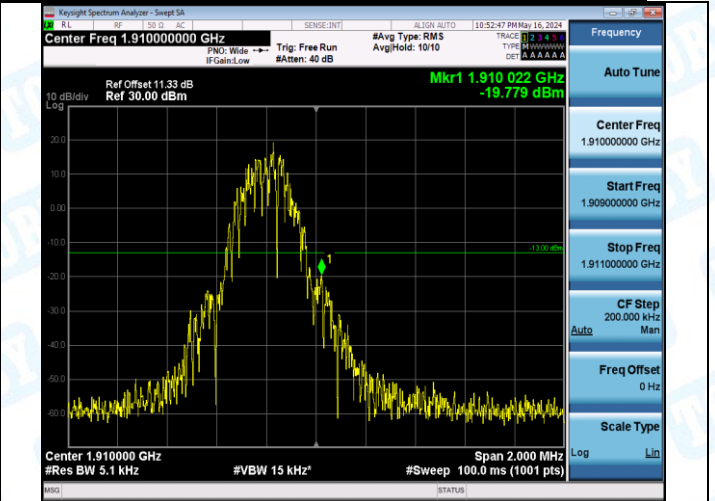
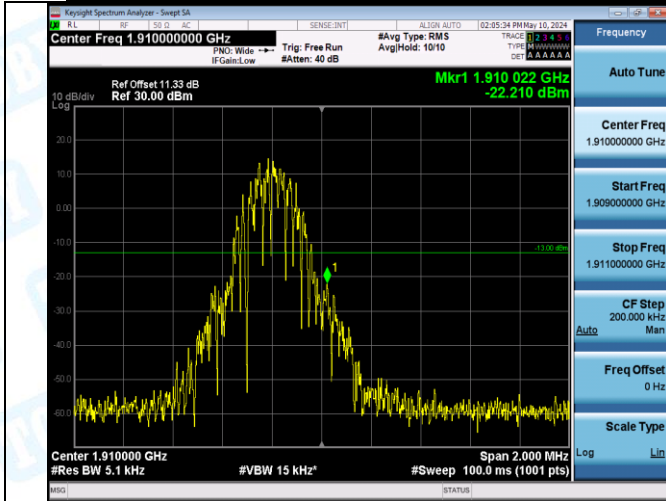


GPRS1900-810-0-PASS



GSM1900-810-0-PASS





5: Conducted Spurious Emission

Test Result

Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GPRS850	128	0.009~0.15MHz	0.01	-43.75	-33	PASS
GSM850	128	0.009~0.15MHz	0.01	-45.58	-33	PASS
GPRS850	128	0.15~30MHz	0.17	-34.71	-23	PASS
GSM850	128	0.15~30MHz	0.16	-33	-23	PASS
GPRS850	128	30~1000MHz	999.22	-46.83	-13	PASS
GSM850	128	30~1000MHz	934.36	-46.74	-13	PASS
GPRS850	128	1000~10000MHz	2472.7	-37.07	-13	PASS
GSM850	128	1000~10000MHz	2472.7	-34.83	-13	PASS
GPRS850	190	0.009~0.15MHz	0.01	-45.31	-33	PASS
GSM850	190	0.009~0.15MHz	0.01	-43.88	-33	PASS
GPRS850	190	0.15~30MHz	0.15	-33.58	-23	PASS
GSM850	190	0.15~30MHz	0.15	-32.91	-23	PASS
GPRS850	190	30~1000MHz	962.53	-46.96	-13	PASS
GSM850	190	30~1000MHz	944.39	-46.93	-13	PASS
GPRS850	190	1000~10000MHz	2509.6	-40.26	-13	PASS
GSM850	190	1000~10000MHz	2509.6	-38.36	-13	PASS
GPRS850	251	0.009~0.15MHz	0.01	-43.78	-33	PASS
GSM850	251	0.009~0.15MHz	0.01	-44.03	-33	PASS
GPRS850	251	0.15~30MHz	0.15	-31.94	-23	PASS
GSM850	251	0.15~30MHz	0.15	-34.24	-23	PASS
GPRS850	251	30~1000MHz	976.2	-46.84	-13	PASS
GSM850	251	30~1000MHz	954.77	-46.79	-13	PASS
GPRS850	251	1000~10000MHz	2546.5	-38.05	-13	PASS
GSM850	251	1000~10000MHz	2546.5	-38.71	-13	PASS
GPRS1900	512	0.009~0.15MHz	0.01	-45.13	-43	PASS
GSM1900	512	0.009~0.15MHz	0.01	-45.89	-43	PASS
GPRS1900	512	0.15~30MHz	0.15	-33.32	-33	PASS
GSM1900	512	0.15~30MHz	0.16	-53.4	-33	PASS
GPRS1900	512	30~1000MHz	922.89	-44.27	-13	PASS
GSM1900	512	30~1000MHz	895.82	-44.2	-13	PASS
GPRS1900	512	1000~3000MHz	2629.87	-31.7	-13	PASS
GSM1900	512	1000~3000MHz	2660.87	-32.1	-13	PASS
GPRS1900	512	3000~18000MHz	17741	-49.27	-13	PASS
GSM1900	512	3000~18000MHz	3700.5	-44.75	-13	PASS
GPRS1900	661	0.009~0.15MHz	0.01	-44.28	-43	PASS
GSM1900	661	0.009~0.15MHz	0.01	-45.7	-43	PASS
GPRS1900	661	0.15~30MHz	0.16	-34.76	-33	PASS
GSM1900	661	0.15~30MHz	0.15	-51.03	-33	PASS
GPRS1900	661	30~1000MHz	919.01	-44.2	-13	PASS
GSM1900	661	30~1000MHz	945.71	-44.21	-13	PASS

GPRS1900	661	1000~3000MHz	2669.2	-32.1	-13	PASS
GSM1900	661	1000~3000MHz	2648.33	-32.08	-13	PASS
GPRS1900	661	3000~18000MHz	17738	-49.17	-13	PASS
GSM1900	661	3000~18000MHz	3760	-43.17	-13	PASS
GPRS1900	810	0.009~0.15MHz	0.01	-45.85	-43	PASS
GSM1900	810	0.009~0.15MHz	0.01	-45.2	-43	PASS
GPRS1900	810	0.15~30MHz	0.15	-33.93	-33	PASS
GSM1900	810	0.15~30MHz	0.15	-52.38	-33	PASS
GPRS1900	810	30~1000MHz	936.79	-44.33	-13	PASS
GSM1900	810	30~1000MHz	943.26	-44.4	-13	PASS
GPRS1900	810	1000~3000MHz	2645.53	-31.82	-13	PASS
GSM1900	810	1000~3000MHz	2636.93	-32.12	-13	PASS
GPRS1900	810	3000~18000MHz	5729.5	-49.28	-13	PASS
GSM1900	810	3000~18000MHz	17742	-49.27	-13	PASS

Test Graphs

