GSM Test Data

General Description of EUT	
Product Name:	Tablet
Test Model:	B7
Test Standard:	**FCC Part 2** **FCC Part 22 Subpart H** **FCC Part 24 Subpart E**
Environmental Conditions	
Temperature:	23.8℃
Relative Humidity:	48%
Test Voltage:	DC 3.85V
Test Engineer:	Rick. chen
Note: For a more detailed features description, please refer to the report **TBR-C-202503-3450-114.** 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	33.42	38.45	PASS
GSM850	190	33.73	38.45	PASS
GSM850	251	33.51	38.45	PASS
GSM1900	512	29.61	33.00	PASS
GSM1900	661	29.67	33.00	PASS
GSM1900	810	29.70	33.00	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	33.44	38.45	PASS
GPRS850	190	1	33.67	38.45	PASS
GPRS850	251	1	33.44	38.45	PASS
GPRS850	128	2	32.66	38.45	PASS
GPRS850	190	2	32.79	38.45	PASS
GPRS850	251	2	32.55	38.45	PASS
GPRS850	128	3	30.80	38.45	PASS
GPRS850	190	3	30.88	38.45	PASS
GPRS850	251	3	30.63	38.45	PASS
GPRS850	128	4	29.77	38.45	PASS
GPRS850	190	4	29.86	38.45	PASS
GPRS850	251	4	29.58	38.45	PASS
GPRS1900	512	1	29.62	33.00	PASS
GPRS1900	661	1	29.65	33.00	PASS
GPRS1900	810	1	29.69	33.00	PASS
GPRS1900	512	2	28.37	33.00	PASS
GPRS1900	661	2	28.50	33.00	PASS
GPRS1900	810	2	28.58	33.00	PASS
GPRS1900	512	3	26.18	33.00	PASS
GPRS1900	661	3	26.36	33.00	PASS
GPRS1900	810	3	26.46	33.00	PASS
GPRS1900	512	4	25.42	33.00	PASS
GPRS1900	661	4	25.61	33.00	PASS
GPRS1900	810	4	25.72	33.00	PASS

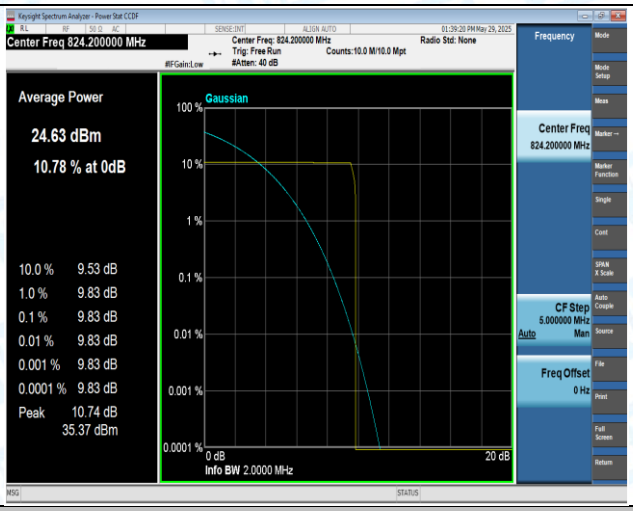
Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	27.49	38.45	PASS
EGPRS850	190	1	27.78	38.45	PASS
EGPRS850	251	1	27.42	38.45	PASS
EGPRS850	128	2	26.23	38.45	PASS
EGPRS850	190	2	26.65	38.45	PASS
EGPRS850	251	2	26.31	38.45	PASS
EGPRS850	128	3	24.20	38.45	PASS
EGPRS850	190	3	24.55	38.45	PASS
EGPRS850	251	3	24.25	38.45	PASS
EGPRS850	128	4	22.93	38.45	PASS
EGPRS850	190	4	23.34	38.45	PASS
EGPRS850	251	4	23.10	38.45	PASS
EGPRS1900	512	1	28.22	33.00	PASS
EGPRS1900	661	1	27.45	33.00	PASS
EGPRS1900	810	1	26.70	33.00	PASS
EGPRS1900	512	2	27.19	33.00	PASS
EGPRS1900	661	2	26.48	33.00	PASS
EGPRS1900	810	2	25.68	33.00	PASS
EGPRS1900	512	3	25.18	33.00	PASS
EGPRS1900	661	3	24.42	33.00	PASS
EGPRS1900	810	3	23.54	33.00	PASS
EGPRS1900	512	4	24.00	33.00	PASS
EGPRS1900	661	4	23.23	33.00	PASS
EGPRS1900	810	4	22.38	33.00	PASS

2: Peak-to-Average Ratio(CCDF)

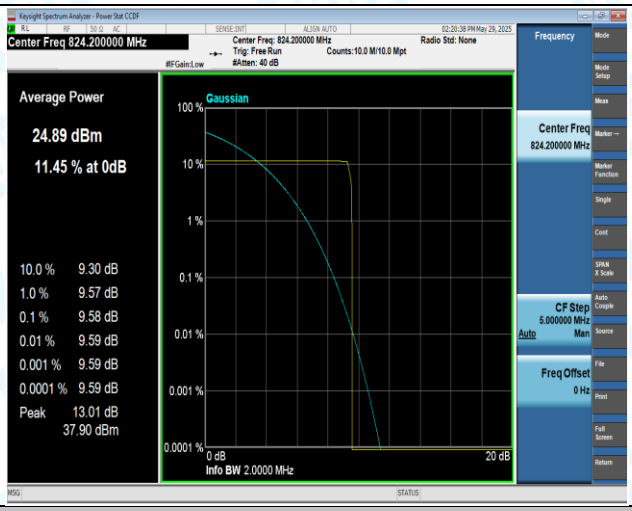
Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GPRS850	128	9.83	13	PASS
GSM850	128	9.58	13	PASS
GPRS850	190	9.70	13	PASS
GSM850	190	9.30	13	PASS
GPRS850	251	9.68	13	PASS
GSM850	251	9.48	13	PASS
EGPRS850	128	12.69	13	PASS
EGPRS850	190	12.83	13	PASS
EGPRS850	251	12.71	13	PASS
GSM1900	512	9.61	13	PASS
GPRS1900	512	9.65	13	PASS
GSM1900	661	9.40	13	PASS
GPRS1900	661	9.79	13	PASS
GSM1900	810	9.61	13	PASS
GPRS1900	810	9.57	13	PASS
EGPRS1900	512	12.48	13	PASS
EGPRS1900	661	12.54	13	PASS
EGPRS1900	810	12.65	13	PASS

Test Graphs



GPRS850-128-5-PASS



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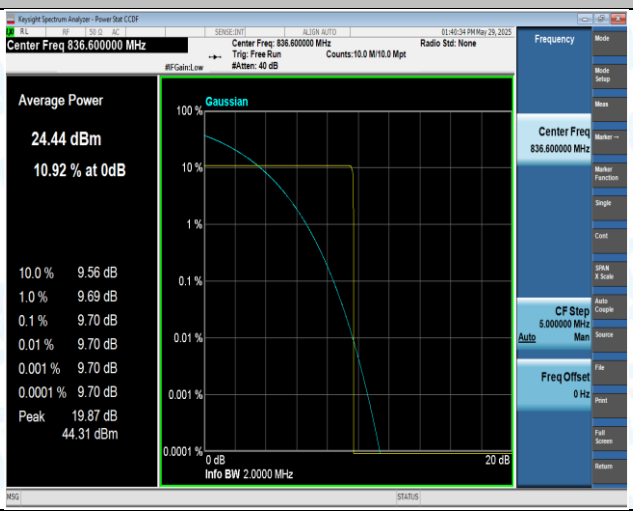

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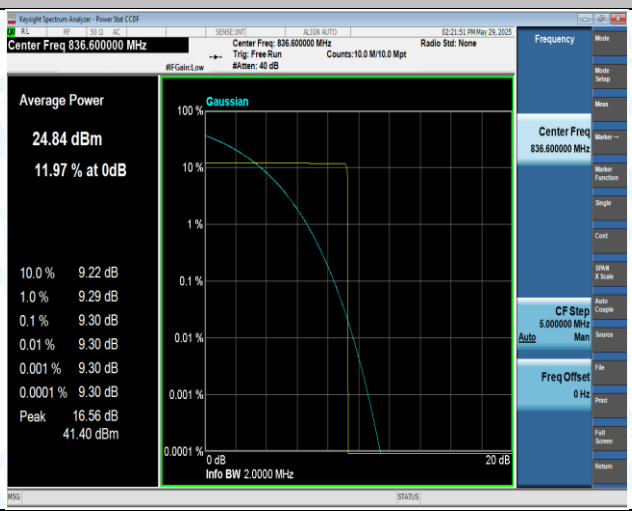

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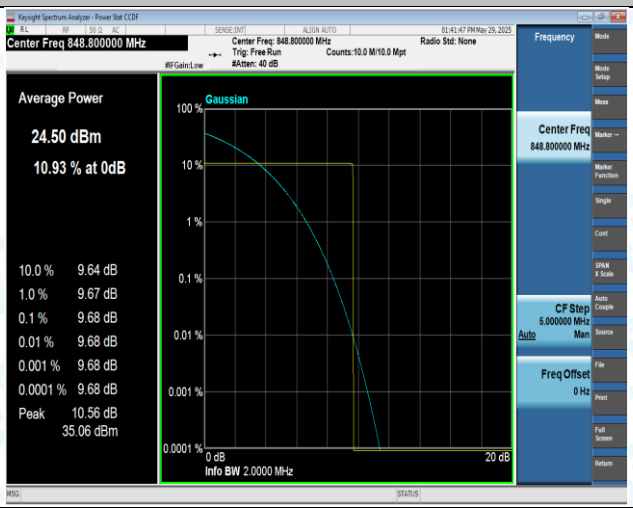
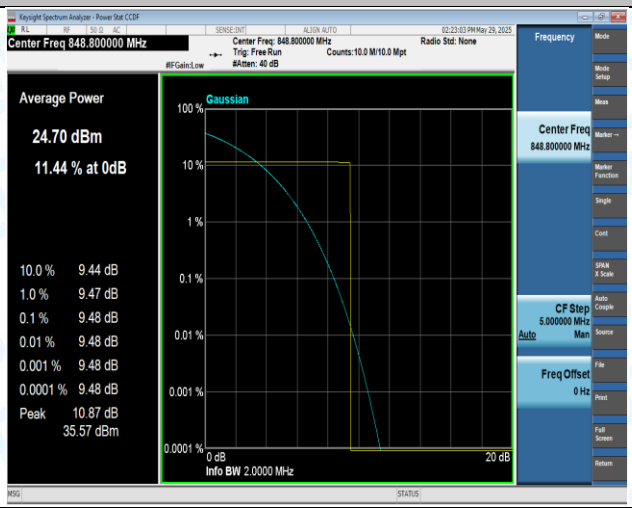


GPRS850-251-5-PASS



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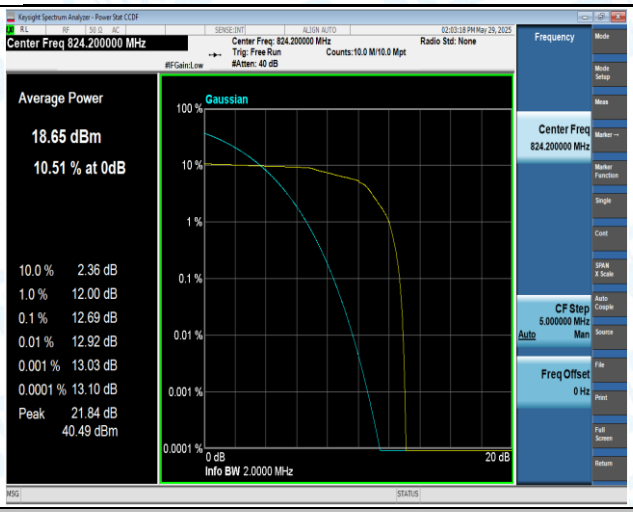
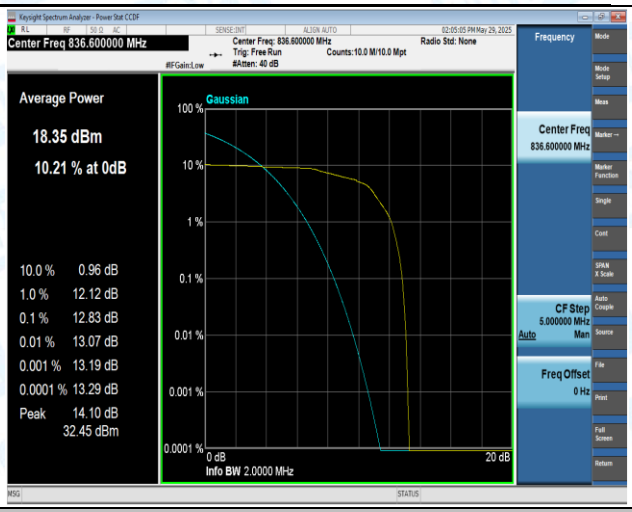


EGPRS850-128-8-PASS



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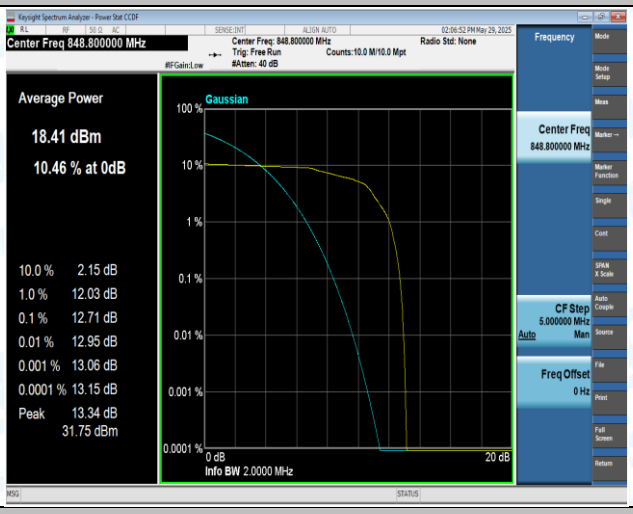

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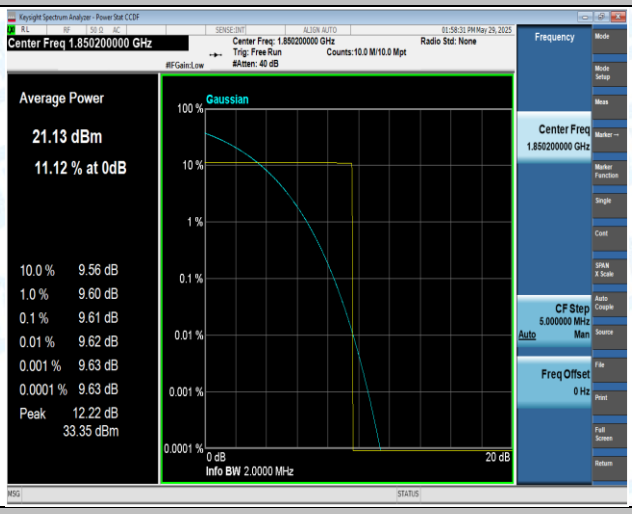
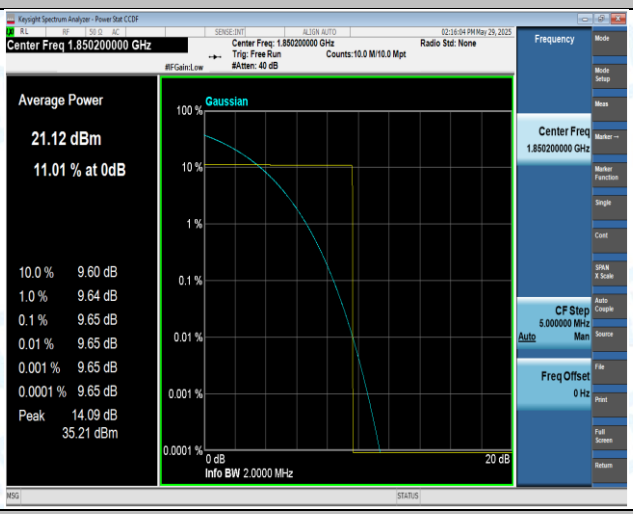


GSM1900-512-0-PASS



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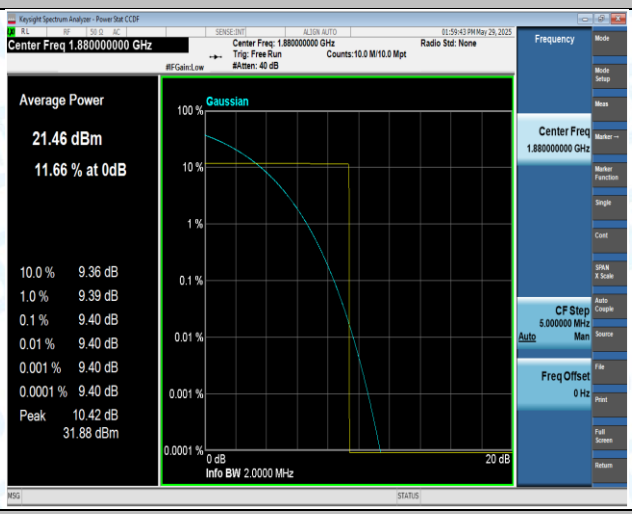
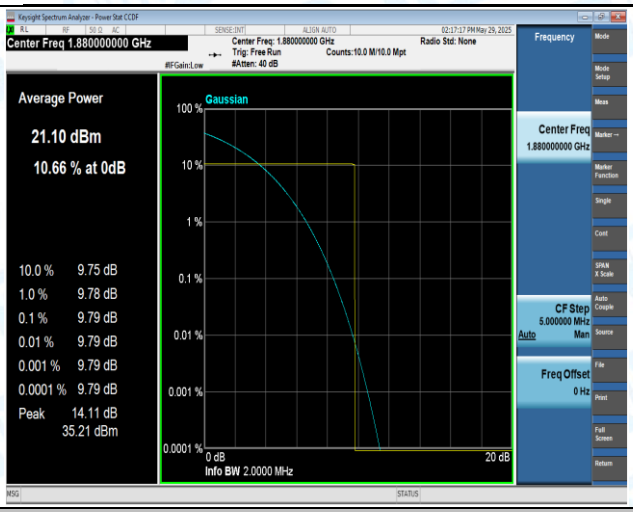
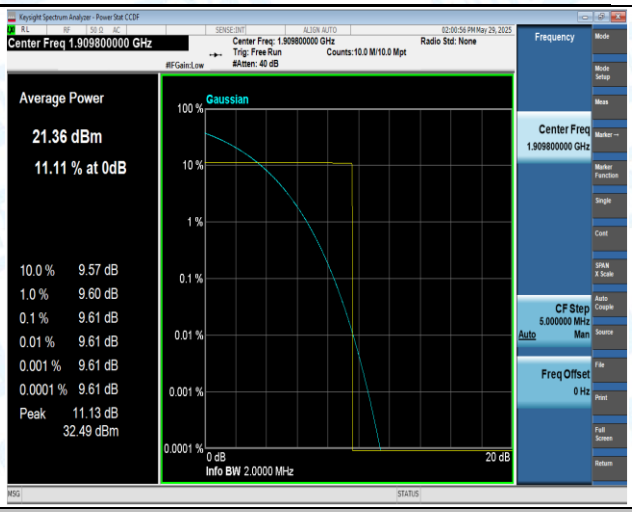


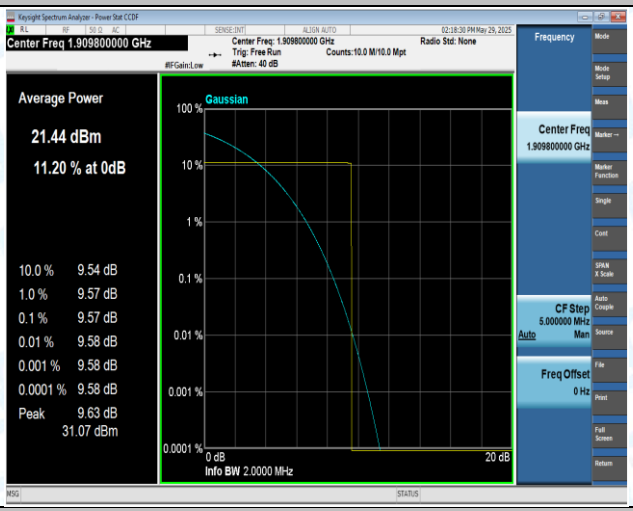
GSM1900-661-0-PASS



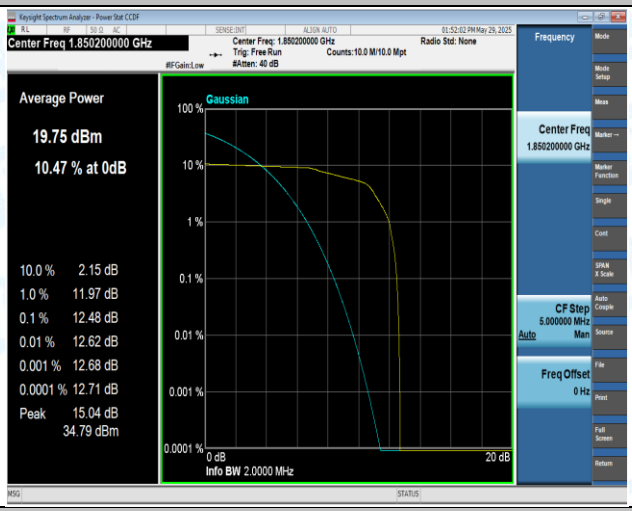
GPRS1900-661-0-PASS



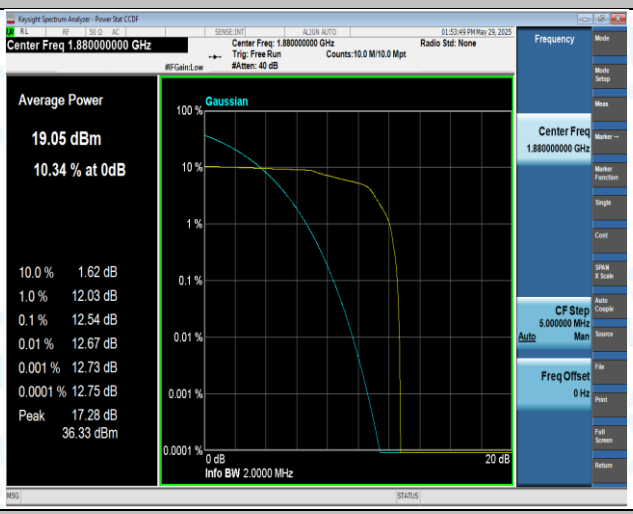
GSM1900-810-0-PASS



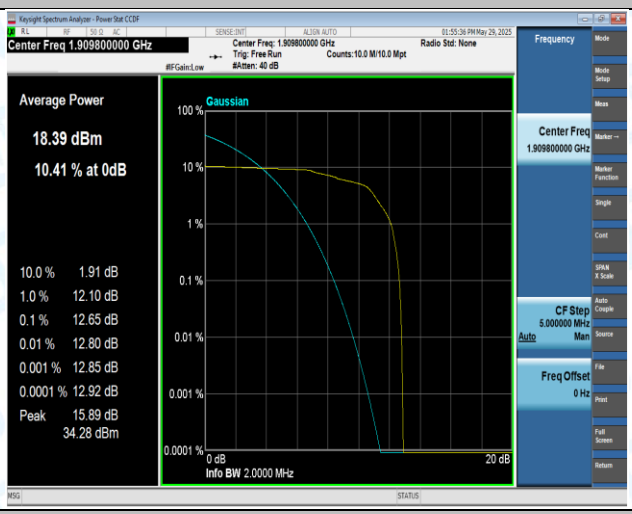
GPRS1900-810-0-PASS



EGPRS1900-512-2-PASS



EGPRS1900-661-2-PASS



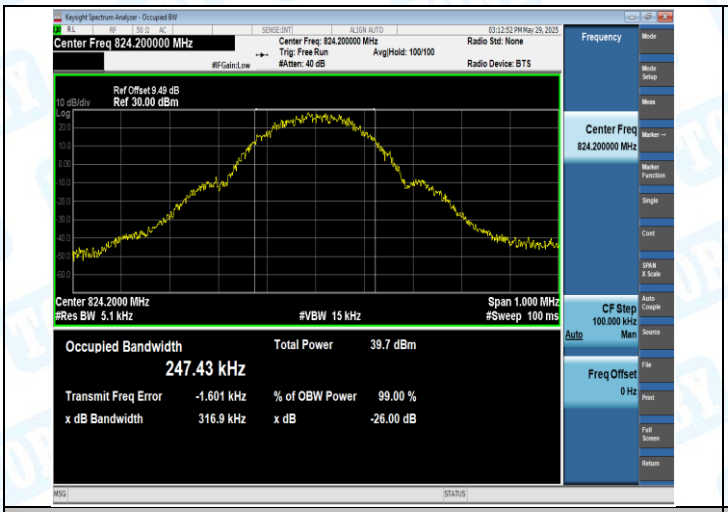
EGPRS1900-810-2-PASS

3: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GPRS850	128	0.24743	0.3169	---	PASS
GSM850	128	0.24452	0.3119	---	PASS
GPRS850	190	0.24772	0.3105	---	PASS
GSM850	190	0.24752	0.3170	---	PASS
GPRS850	251	0.24292	0.3147	---	PASS
GSM850	251	0.24756	0.3137	---	PASS
EGPRS850	128	0.24809	0.3007	---	PASS
EGPRS850	190	0.24992	0.3122	---	PASS
EGPRS850	251	0.24874	0.3114	---	PASS
GPRS1900	512	0.24633	0.3159	---	PASS
GSM1900	512	0.24633	0.3159	---	PASS
GPRS1900	661	0.24027	0.3137	---	PASS
GSM1900	661	0.24563	0.3073	---	PASS
GPRS1900	810	0.24683	0.3143	---	PASS
GSM1900	810	0.24526	0.3101	---	PASS
EGPRS1900	512	0.25313	0.3174	---	PASS
EGPRS1900	661	0.24687	0.3111	---	PASS
EGPRS1900	810	0.24799	0.2970	---	PASS

Test Graphs

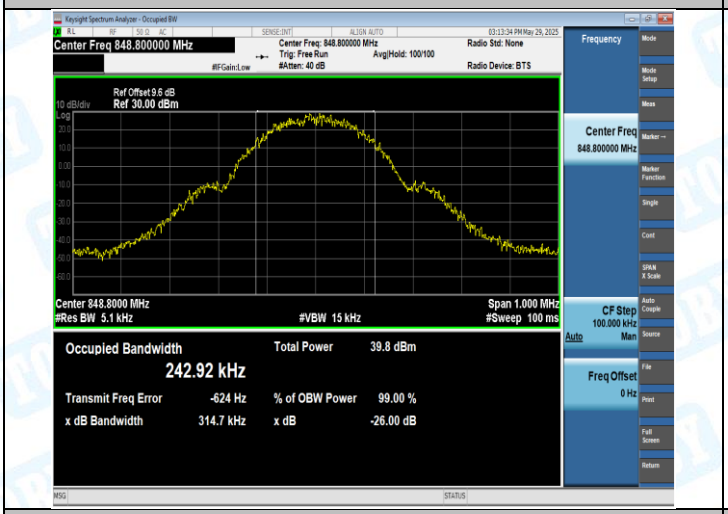


GPRS850-128-5-PASS

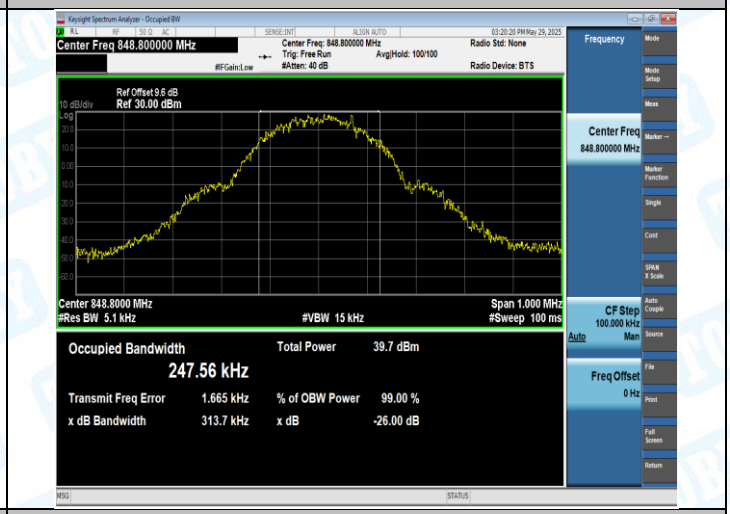
GSM850-128-5-PASS

GPRS850-190-5-PASS

GSM850-190-5-PASS



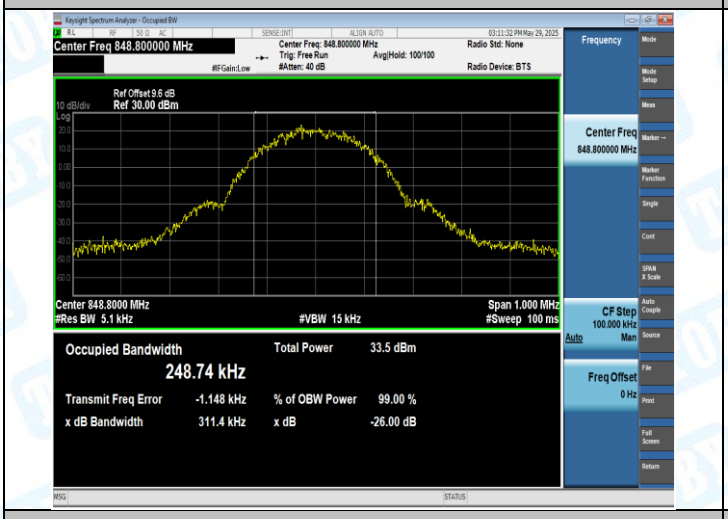
GPRS850-251-5-PASS



GSM850-251-5-PASS

EGPRS850-128-8-PASS

EGPRS850-190-8-PASS



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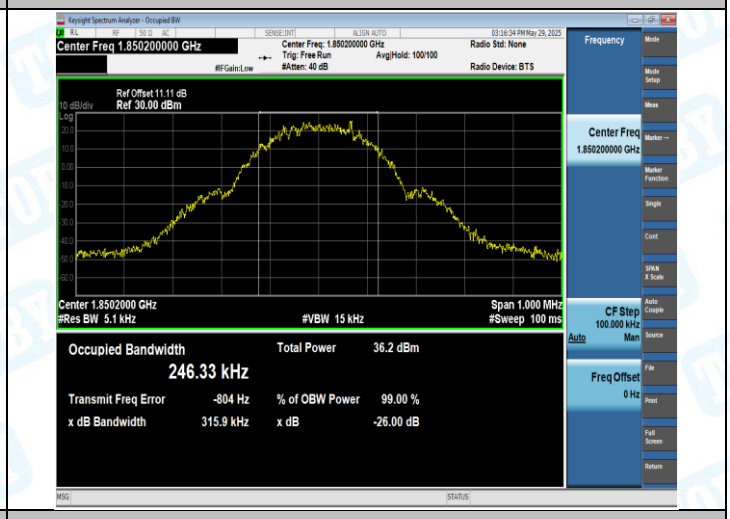
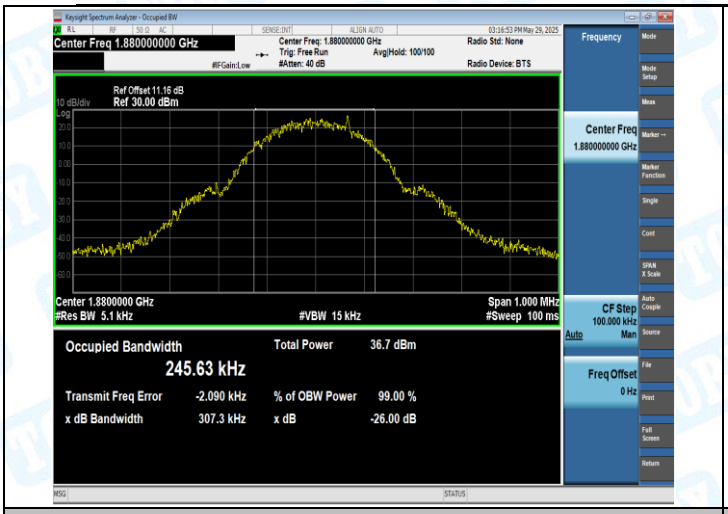


GPRS1900-512-0-PASS

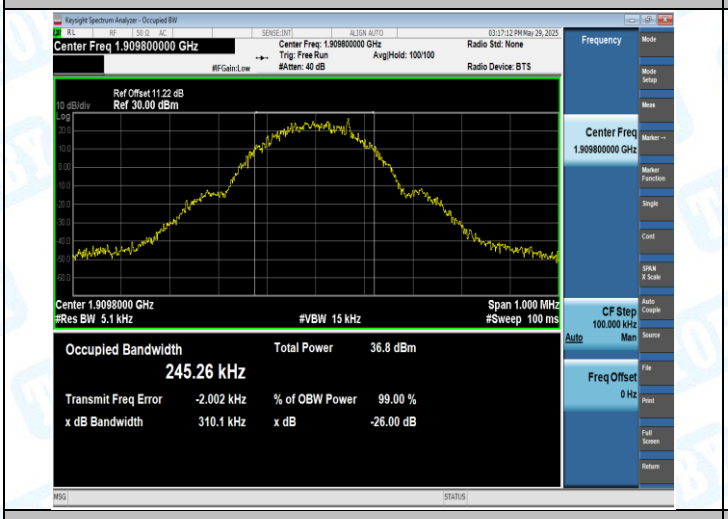
GSM1900-512-0-PASS

GPRS1900-661-0-PASS

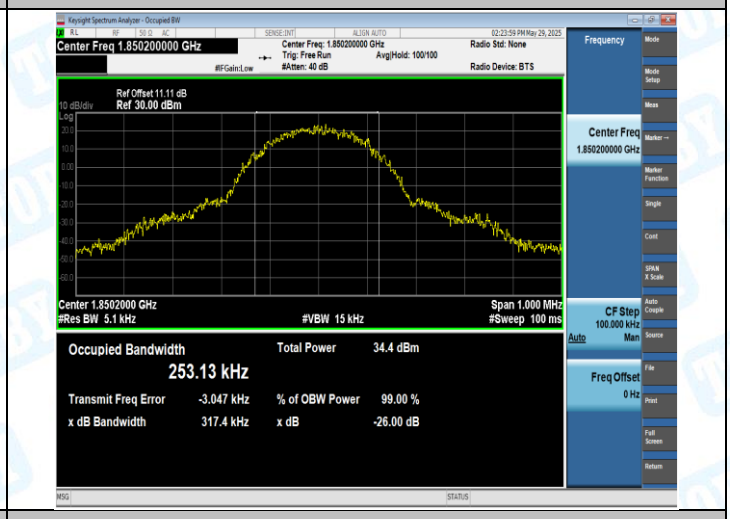


GSM1900-661-0-PASS

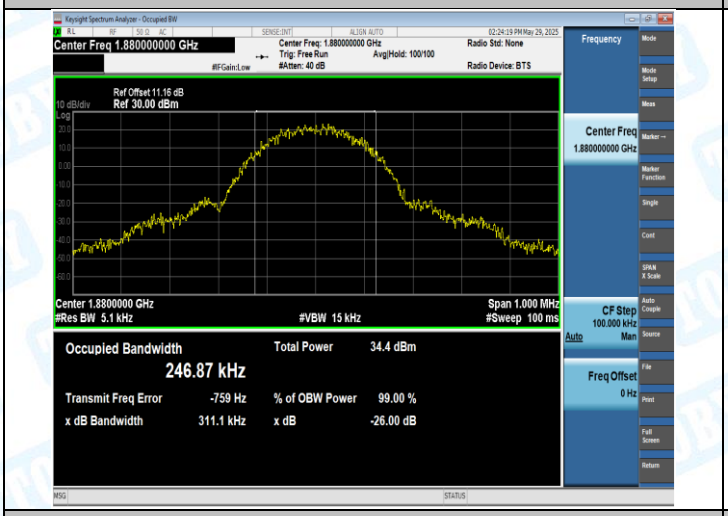
GPRS1900-810-0-PASS



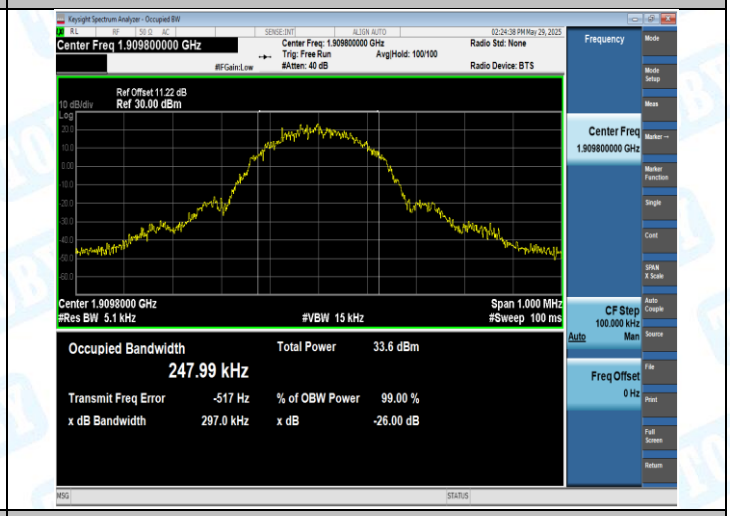
GSM1900-810-0-PASS



EGPRS1900-512-2-PASS



EGPRS1900-661-2-PASS



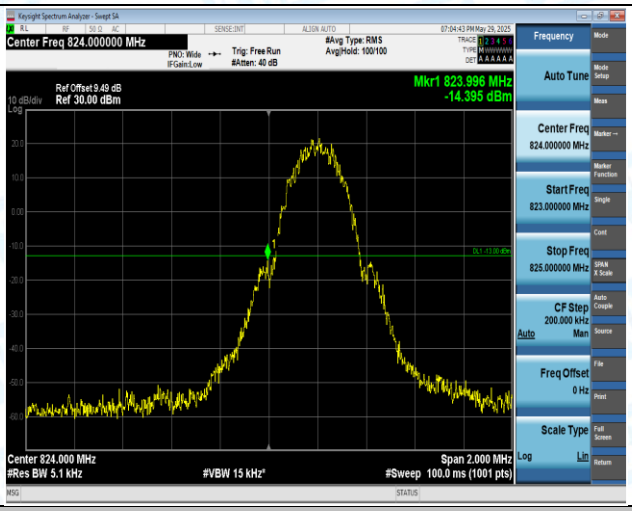
EGPRS1900-810-2-PASS

4: Band Edge

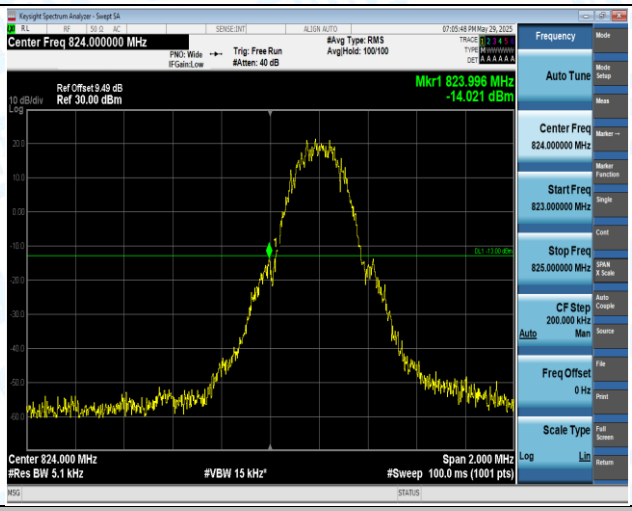
Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GPRS850	128	824.00	-14.39	-13	PASS
GSM850	128	824.00	-14.02	-13	PASS
GPRS850	251	849.02	-13.09	-13	PASS
GSM850	251	849.01	-14.77	-13	PASS
EGPRS850	128	823.97	-24.83	-13	PASS
EGPRS850	251	849.04	-24.01	-13	PASS
GSM1900	512	1850.00	-18.73	-13	PASS
GPRS1900	512	1849.99	-18.39	-13	PASS
GSM1900	810	1910.00	-17.72	-13	PASS
GPRS1900	810	1910.01	-18.59	-13	PASS
EGPRS1900	512	1849.97	-24.61	-13	PASS
EGPRS1900	810	1910.02	-24.23	-13	PASS

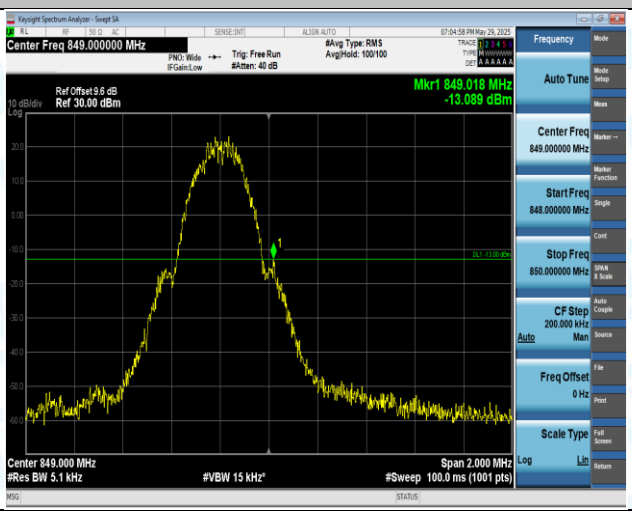
Test Graphs



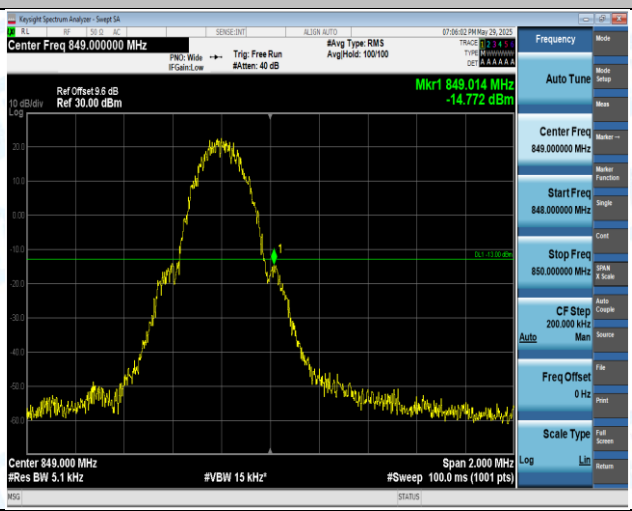
GPRS850-128-5-PASS



GSM850-128-5-PASS



GPRS850-251-5-PASS



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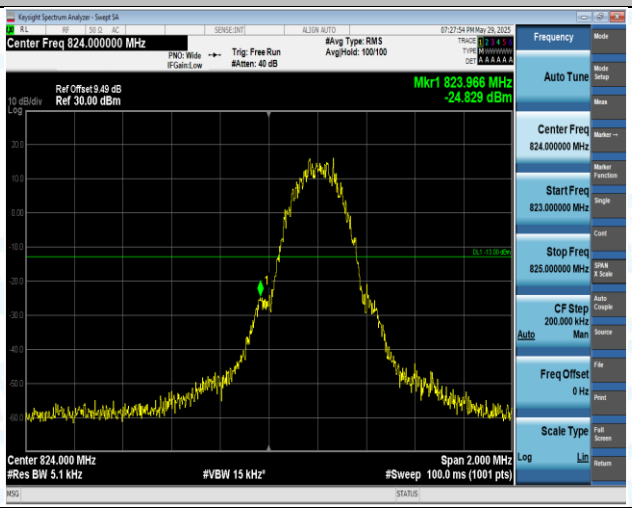
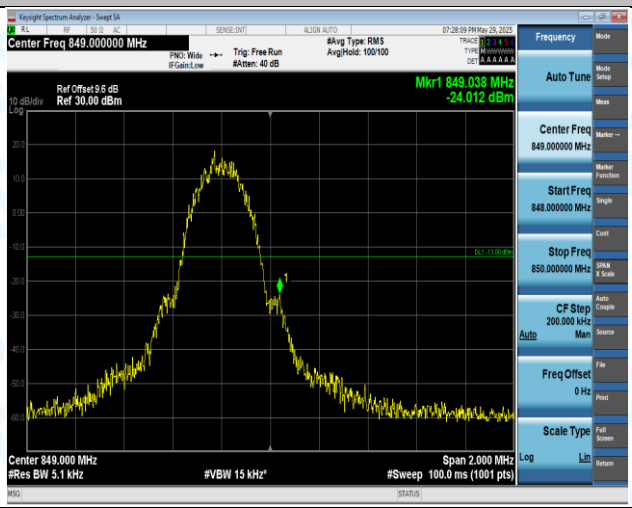
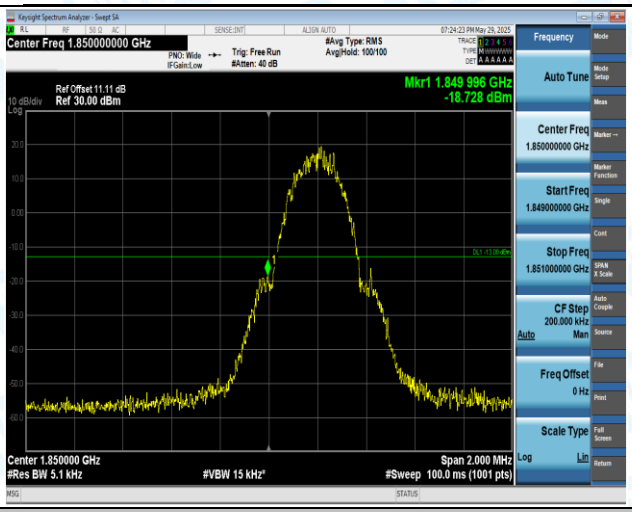


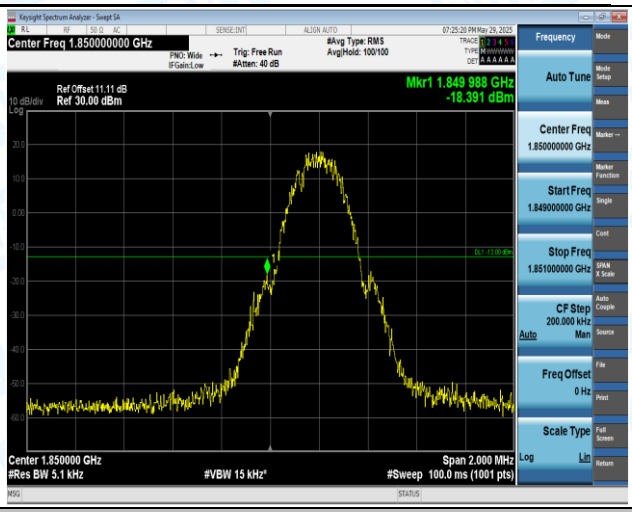
EGPRS850-128-8-PASS



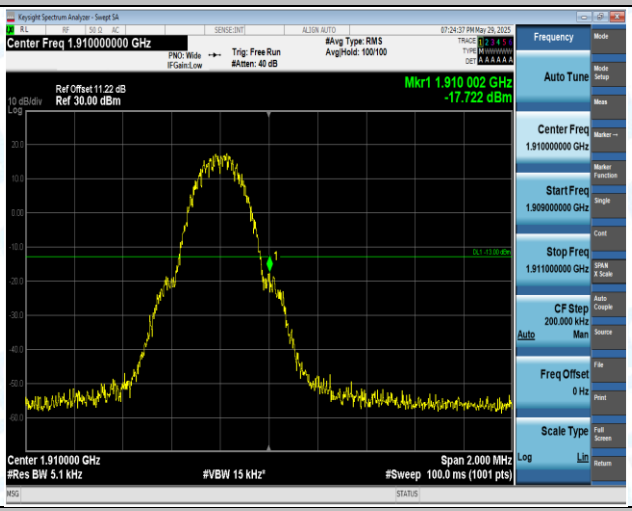
EGPRS850-251-8-PASS



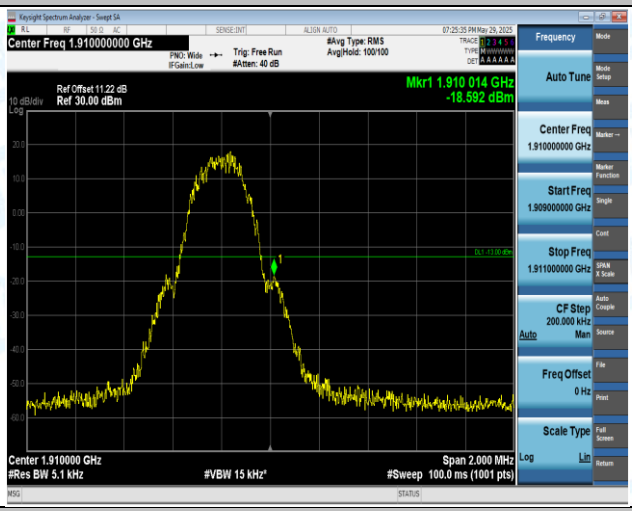
GSM1900-512-0-PASS



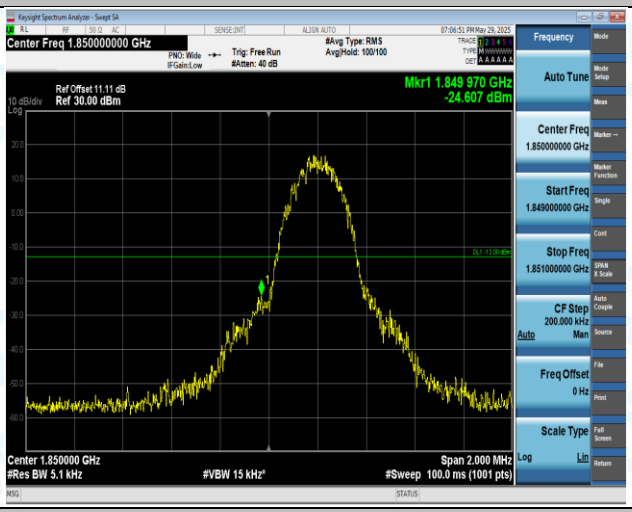
GPRS1900-512-0-PASS



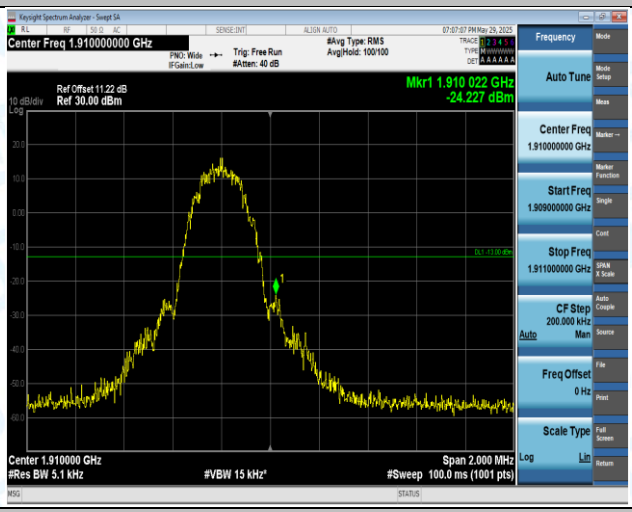
GSM1900-810-0-PASS



GPRS1900-810-0-PASS



EGPRS1900-512-2-PASS



EGPRS1900-810-2-PASS

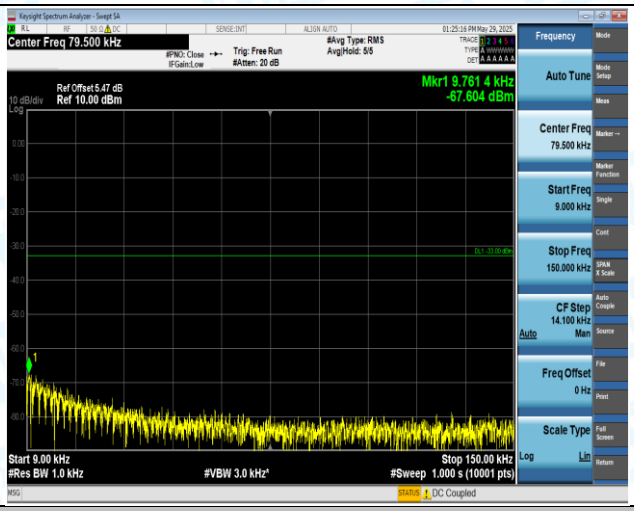
5: Conducted Spurious Emission

Test Result

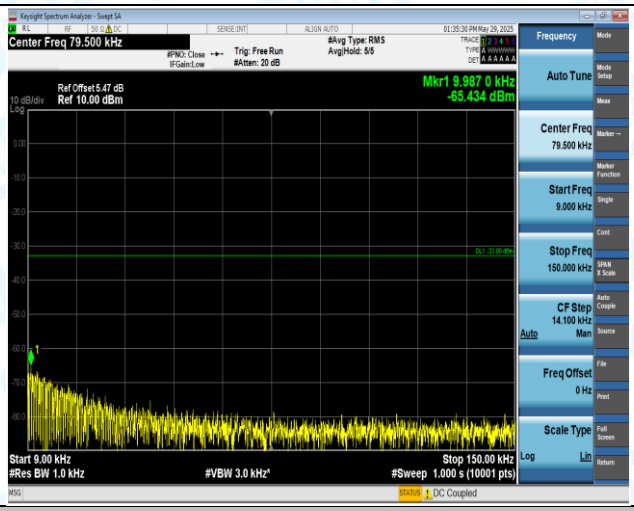
Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	0.009~0.15MHz	0.01	-67.6	-33	PASS
GPRS850	128	0.009~0.15MHz	0.01	-65.43	-33	PASS
GSM850	128	0.15~30MHz	0.61	-69.66	-23	PASS
GPRS850	128	0.15~30MHz	0.63	-69.33	-23	PASS
GSM850	128	30~1000MHz	946.49	-47.74	-13	PASS
GPRS850	128	30~1000MHz	999.94	-48.01	-13	PASS
GSM850	128	1000~10000MHz	2472.7	-33.62	-13	PASS
GPRS850	128	1000~10000MHz	2472.7	-36.14	-13	PASS
GSM850	190	0.009~0.15MHz	0.01	-64.99	-33	PASS
GPRS850	190	0.009~0.15MHz	0.01	-67.11	-33	PASS
GSM850	190	0.15~30MHz	0.47	-69.23	-23	PASS
GPRS850	190	0.15~30MHz	0.67	-69.25	-23	PASS
GSM850	190	30~1000MHz	958.84	-47.68	-13	PASS
GPRS850	190	30~1000MHz	948.4	-47.65	-13	PASS
GSM850	190	1000~10000MHz	2509.9	-37	-13	PASS
GPRS850	190	1000~10000MHz	2509.9	-37.6	-13	PASS
GSM850	251	0.009~0.15MHz	0.01	-67.23	-33	PASS
GPRS850	251	0.009~0.15MHz	0.01	-67.86	-33	PASS
GSM850	251	0.15~30MHz	0.61	-69.29	-23	PASS
GPRS850	251	0.15~30MHz	0.42	-69.69	-23	PASS
GSM850	251	30~1000MHz	520.04	-48.02	-13	PASS
GPRS850	251	30~1000MHz	387.19	-47.52	-13	PASS
GSM850	251	1000~10000MHz	3152.5	-47.74	-13	PASS
GPRS850	251	1000~10000MHz	2546.5	-33.05	-13	PASS
EGPRS850	128	0.009~0.15MHz	0.14	-79.3	-33	PASS
EGPRS850	128	0.15~30MHz	0.56	-68.97	-23	PASS
EGPRS850	128	30~1000MHz	939.5	-47.69	-13	PASS
EGPRS850	128	1000~10000MHz	2473	-47.64	-13	PASS
EGPRS850	190	0.009~0.15MHz	0.01	-68.2	-33	PASS
EGPRS850	190	0.15~30MHz	0.59	-69.34	-23	PASS
EGPRS850	190	30~1000MHz	990.14	-47.61	-13	PASS
EGPRS850	190	1000~10000MHz	3168.1	-47.53	-13	PASS
EGPRS850	251	0.009~0.15MHz	0.03	-70.16	-33	PASS
EGPRS850	251	0.15~30MHz	0.53	-69.29	-23	PASS
EGPRS850	251	30~1000MHz	974.97	-47.88	-13	PASS
EGPRS850	251	1000~10000MHz	3166.3	-47.57	-13	PASS
GSM1900	512	0.009~0.15MHz	0.01	-74.66	-43	PASS
GPRS1900	512	0.009~0.15MHz	0.01	-73.71	-43	PASS
GSM1900	512	0.15~30MHz	0.74	-69.89	-33	PASS
GPRS1900	512	0.15~30MHz	0.64	-69.57	-33	PASS

GSM1900	512	30~1000MHz	872.7	-45.28	-13	PASS
GPRS1900	512	30~1000MHz	866.56	-45.49	-13	PASS
GSM1900	512	1000~3000MHz	2687	-31.6	-13	PASS
GPRS1900	512	1000~3000MHz	2694.13	-31.6	-13	PASS
GSM1900	512	3000~18000MHz	16466.5	-50.08	-13	PASS
GPRS1900	512	3000~18000MHz	3700.5	-41.46	-13	PASS
GSM1900	661	0.009~0.15MHz	0.01	-73.05	-43	PASS
GPRS1900	661	0.009~0.15MHz	0.01	-73.85	-43	PASS
GSM1900	661	0.15~30MHz	0.48	-69.08	-33	PASS
GPRS1900	661	0.15~30MHz	0.59	-69.36	-33	PASS
GSM1900	661	30~1000MHz	855.08	-45.41	-13	PASS
GPRS1900	661	30~1000MHz	901.29	-45.36	-13	PASS
GSM1900	661	1000~3000MHz	2695.27	-31.44	-13	PASS
GPRS1900	661	1000~3000MHz	2686	-31.47	-13	PASS
GSM1900	661	3000~18000MHz	5640	-46.34	-13	PASS
GPRS1900	661	3000~18000MHz	3760	-38.32	-13	PASS
GSM1900	810	0.009~0.15MHz	0.01	-73.74	-43	PASS
GPRS1900	810	0.009~0.15MHz	0.01	-73.53	-43	PASS
GSM1900	810	0.15~30MHz	0.66	-69	-33	PASS
GPRS1900	810	0.15~30MHz	0.55	-69.59	-33	PASS
GSM1900	810	30~1000MHz	873.54	-45.42	-13	PASS
GPRS1900	810	30~1000MHz	792.29	-45.35	-13	PASS
GSM1900	810	1000~3000MHz	2702.8	-31.47	-13	PASS
GPRS1900	810	1000~3000MHz	2683.13	-31.48	-13	PASS
GSM1900	810	3000~18000MHz	16363	-50.04	-13	PASS
GPRS1900	810	3000~18000MHz	5729.5	-47.66	-13	PASS
EGPRS1900	512	0.009~0.15MHz	0.02	-69.46	-43	PASS
EGPRS1900	512	0.15~30MHz	0.56	-69.62	-33	PASS
EGPRS1900	512	30~1000MHz	877.46	-45.44	-13	PASS
EGPRS1900	512	1000~3000MHz	2694.27	-31.6	-13	PASS
EGPRS1900	512	3000~18000MHz	16461	-49.97	-13	PASS
EGPRS1900	661	0.009~0.15MHz	0.02	-69.72	-43	PASS
EGPRS1900	661	0.15~30MHz	0.57	-69.78	-33	PASS
EGPRS1900	661	30~1000MHz	916.35	-45.51	-13	PASS
EGPRS1900	661	1000~3000MHz	2683.93	-31.52	-13	PASS
EGPRS1900	661	3000~18000MHz	3760	-43.83	-13	PASS
EGPRS1900	810	0.009~0.15MHz	0.05	-73.1	-43	PASS
EGPRS1900	810	0.15~30MHz	0.59	-69.09	-33	PASS
EGPRS1900	810	30~1000MHz	923.86	-45.48	-13	PASS
EGPRS1900	810	1000~3000MHz	2678.6	-31.6	-13	PASS
EGPRS1900	810	3000~18000MHz	16345.5	-50.02	-13	PASS

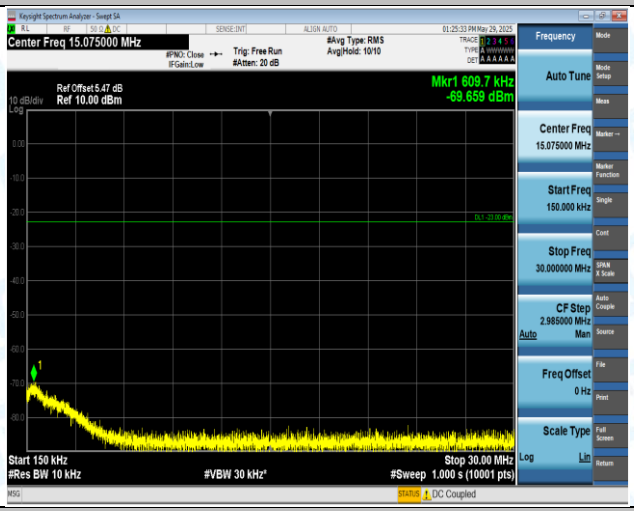
Test Graphs



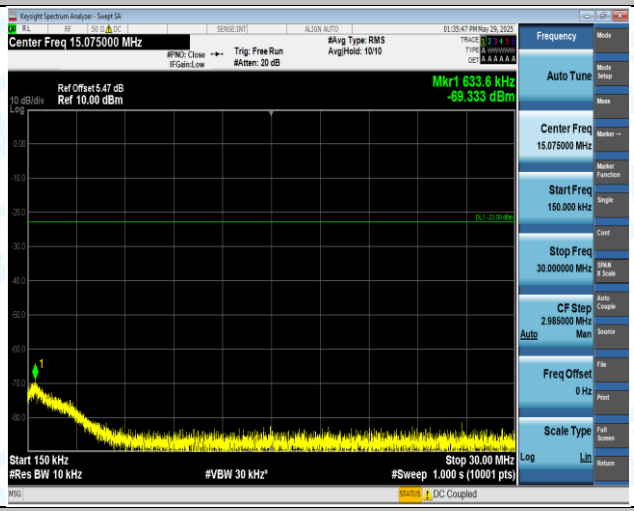
GSM850-128-5-0.009~0.15MHz-PASS



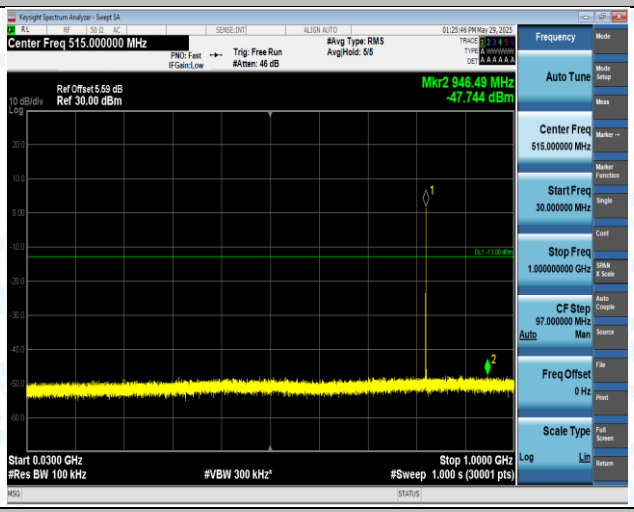
GPRS850-128-5-0.009~0.15MHz-PASS



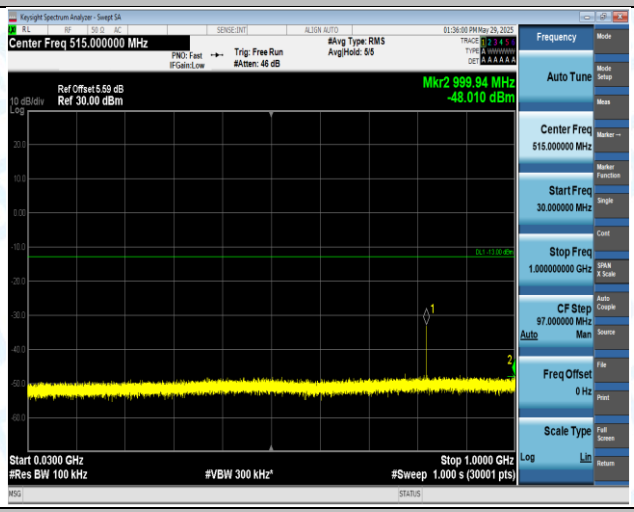
GSM850-128-5-0.15~30MHz-PASS



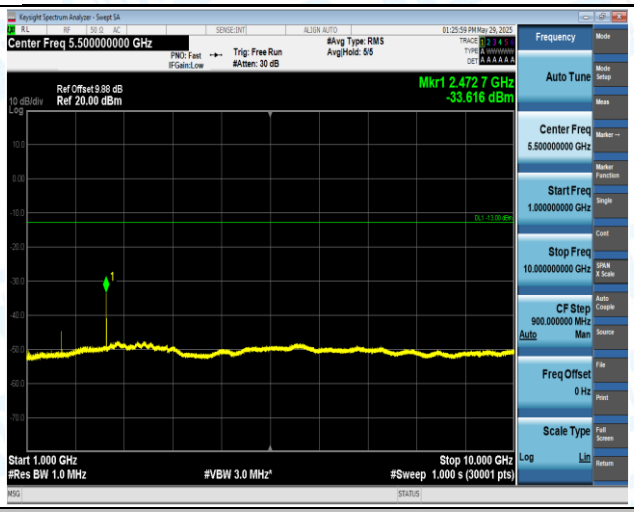
GPRS850-128-5-0.15~30MHz-PASS



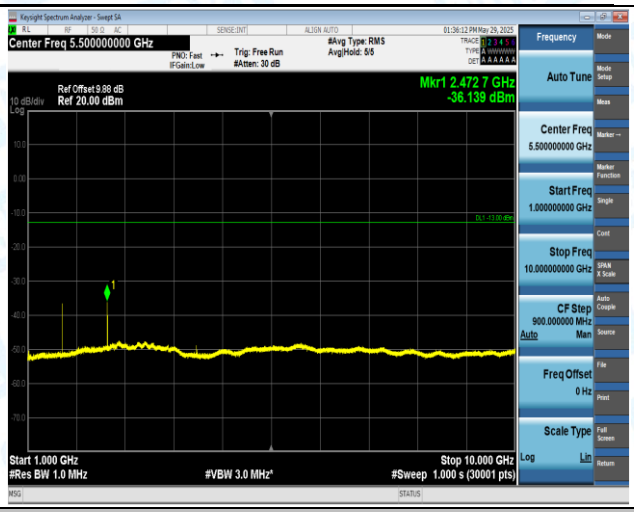
GSM850-128-5-30~1000MHz-PASS



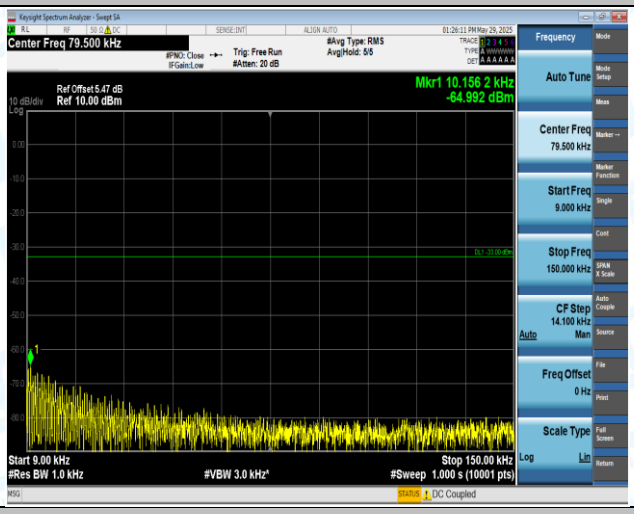
GPRS850-128-5-30~1000MHz-PASS



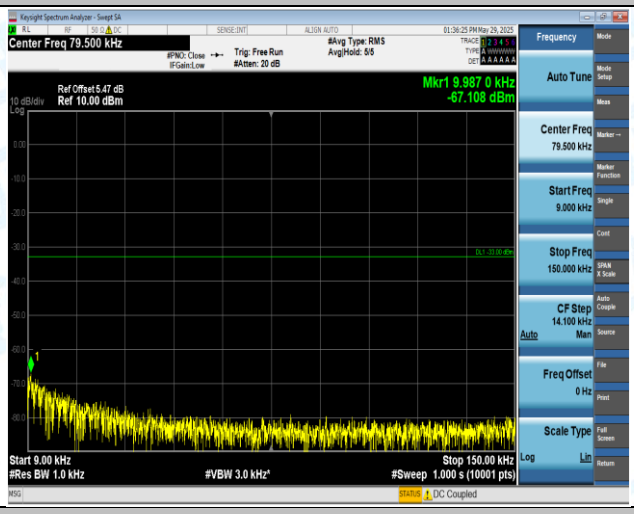
GSM850-128-5-1000~10000MHz-PASS



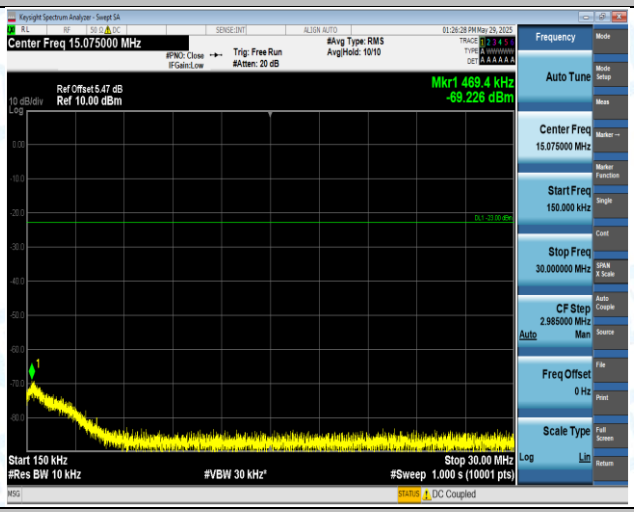
GPRS850-128-5-1000~10000MHz-PASS



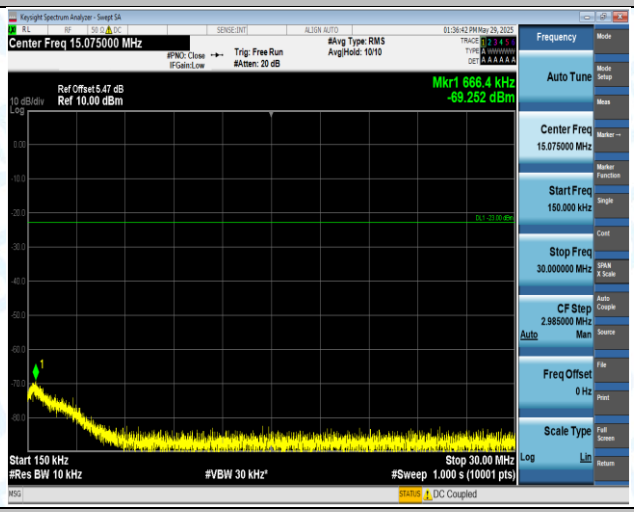
GSM850-190-5-0.009~0.15MHz-PASS



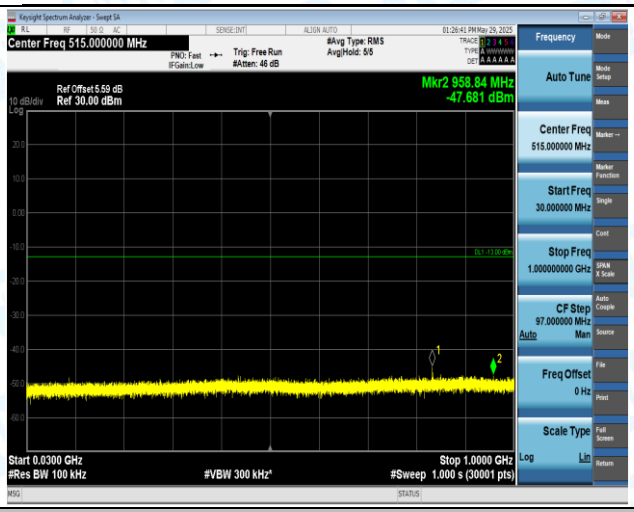
GPRS850-190-5-0.009~0.15MHz-PASS



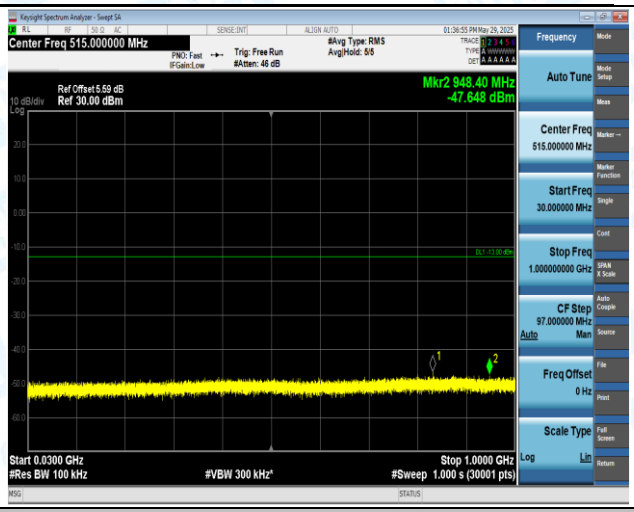
GSM850-190-5-0.15~30MHz-PASS



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

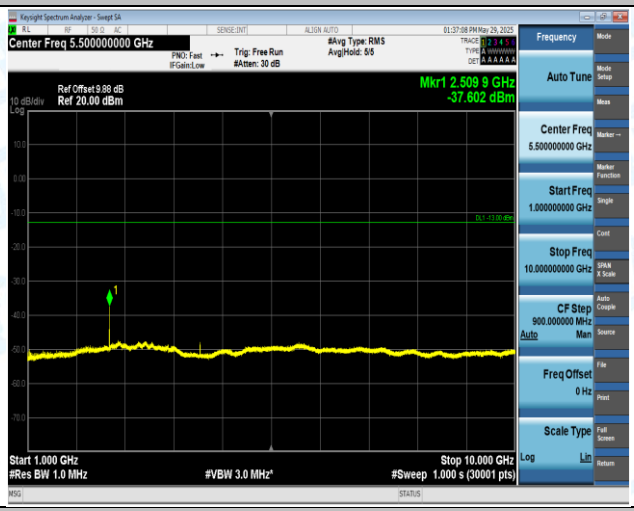


GSM850-190-5-30~1000MHz-PASS

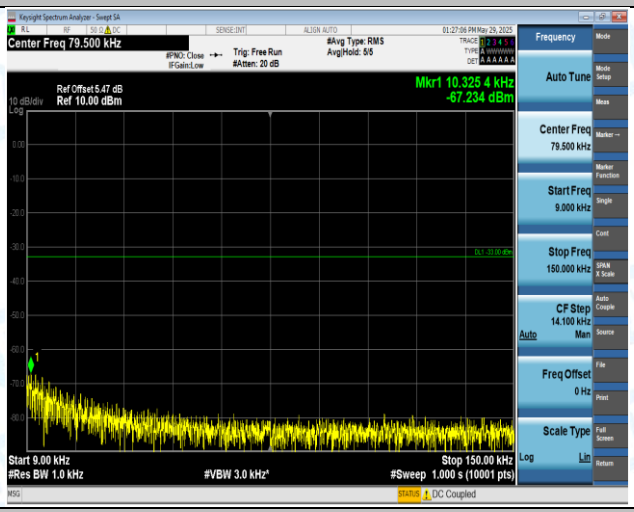


GPRS850-190-5-30~1000MHz-PASS

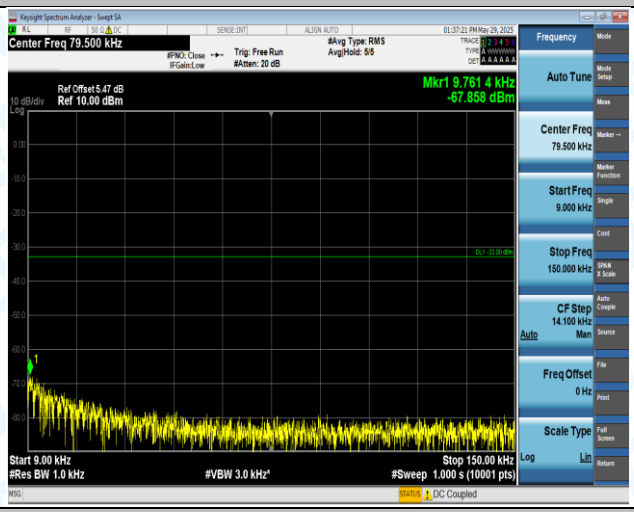
GSM850-190-5-1000~10000MHz-PASS



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



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



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