

GSM Test Data

General Description of EUT	
Product Name:	Tractive Dog 6
Test Model:	TG6A
Sample ID:	HC-C-202403-0336-01-04#
Environmental Conditions	
Temperature:	22°C-25°C
Relative Humidity:	43%-55%
Test Voltage:	DC 3.87V
Test Engineer:	Mike Yan
Note: For a more detailed features description, please refer to the report TBR-C-202403-0336-92. The report only show the worst case data.	

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1. Conducted Output Power Data

Test Result

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	32.76	38.45	PASS
GPRS850	190	1	32.68	38.45	PASS
GPRS850	251	1	32.77	38.45	PASS
GPRS850	128	2	31.17	38.45	PASS
GPRS850	190	2	31.28	38.45	PASS
GPRS850	251	2	31.23	38.45	PASS
GPRS850	128	3	29.58	38.45	PASS
GPRS850	190	3	29.62	38.45	PASS
GPRS850	251	3	29.62	38.45	PASS
GPRS850	128	4	28.82	38.45	PASS
GPRS850	190	4	28.85	38.45	PASS
GPRS850	251	4	28.89	38.45	PASS
GPRS1900	512	1	29.23	33.00	PASS
GPRS1900	661	1	29.00	33.00	PASS
GPRS1900	810	1	29.07	33.00	PASS
GPRS1900	512	2	27.69	33.00	PASS
GPRS1900	661	2	27.55	33.00	PASS
GPRS1900	810	2	27.57	33.00	PASS
GPRS1900	512	3	25.79	33.00	PASS
GPRS1900	661	3	25.80	33.00	PASS
GPRS1900	810	3	25.77	33.00	PASS
GPRS1900	512	4	24.75	33.00	PASS
GPRS1900	661	4	24.77	33.00	PASS
GPRS1900	810	4	24.63	33.00	PASS

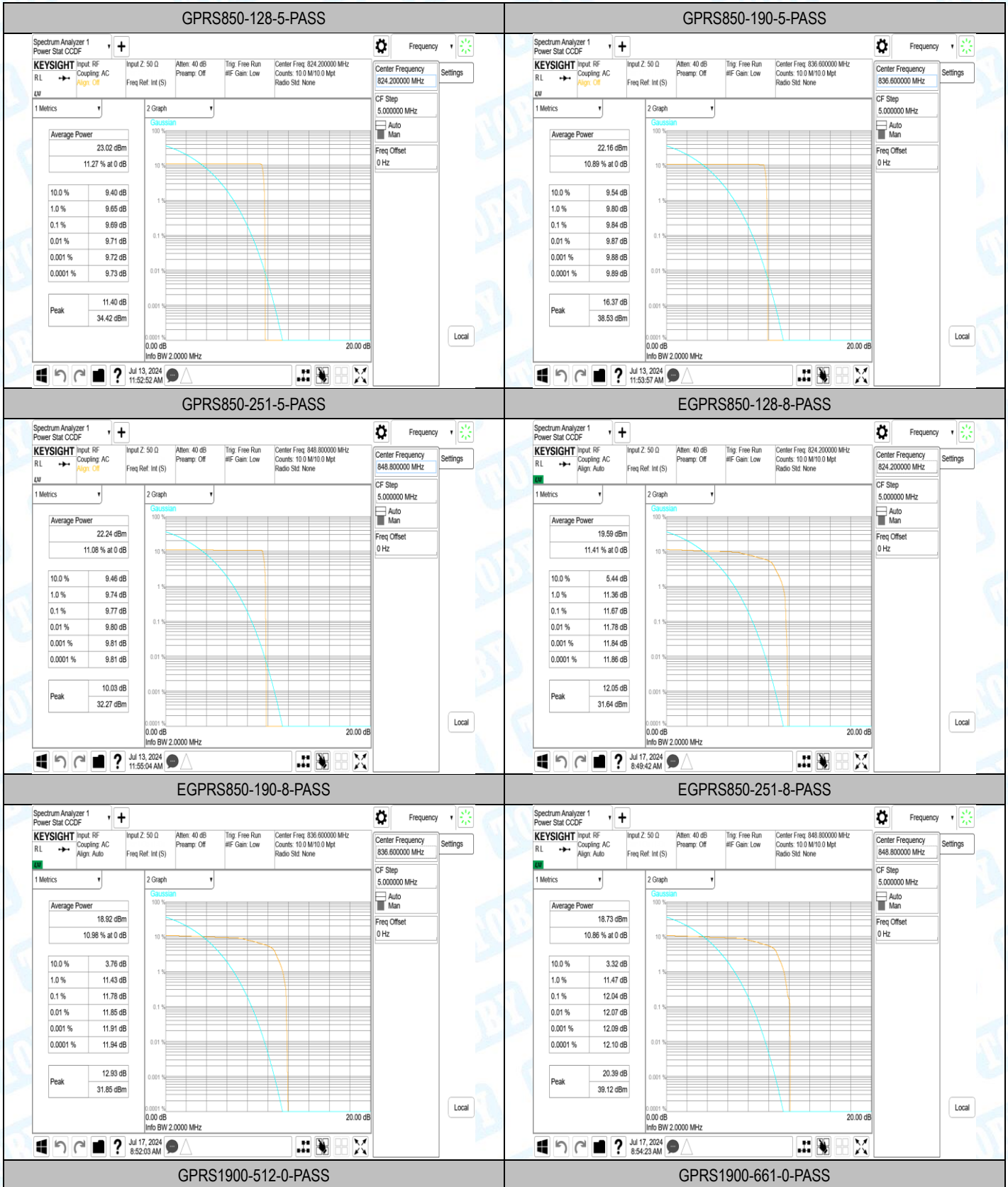
Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	26.79	38.45	PASS
EGPRS850	190	1	26.83	38.45	PASS
EGPRS850	251	1	26.82	38.45	PASS
EGPRS850	128	2	26.62	38.45	PASS
EGPRS850	190	2	26.65	38.45	PASS
EGPRS850	251	2	26.57	38.45	PASS
EGPRS850	128	3	26.41	38.45	PASS
EGPRS850	190	3	26.42	38.45	PASS
EGPRS850	251	3	26.38	38.45	PASS
EGPRS850	128	4	26.13	38.45	PASS
EGPRS850	190	4	26.11	38.45	PASS
EGPRS850	251	4	26.08	38.45	PASS
EGPRS1900	512	1	25.31	33.00	PASS
EGPRS1900	661	1	25.18	33.00	PASS
EGPRS1900	810	1	25.16	33.00	PASS
EGPRS1900	512	2	25.33	33.00	PASS
EGPRS1900	661	2	25.08	33.00	PASS
EGPRS1900	810	2	25.12	33.00	PASS
EGPRS1900	512	3	25.23	33.00	PASS
EGPRS1900	661	3	24.99	33.00	PASS
EGPRS1900	810	3	25.03	33.00	PASS
EGPRS1900	512	4	25.01	33.00	PASS
EGPRS1900	661	4	24.85	33.00	PASS
EGPRS1900	810	4	24.92	33.00	PASS

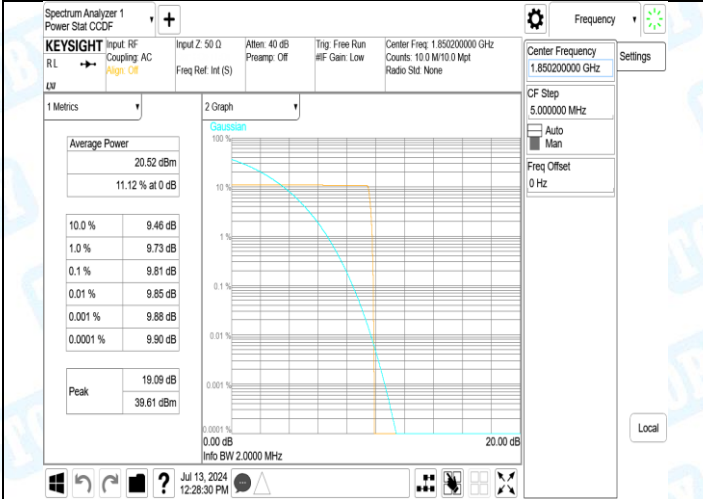
2. Peak-to-Average Ratio(CCDF)

Test Result

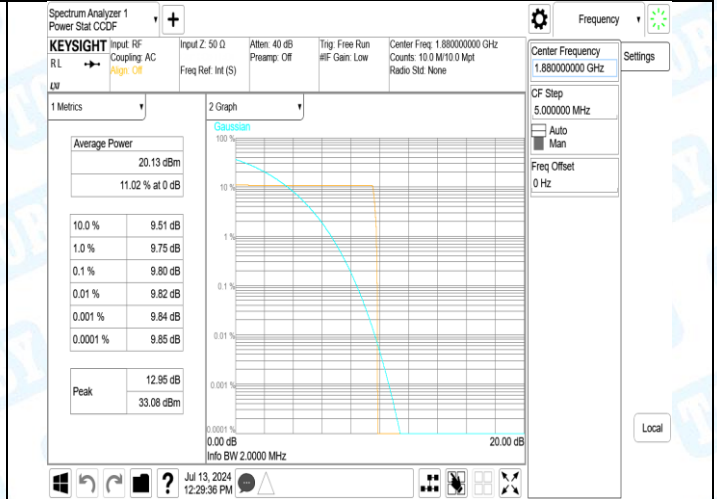
Band	Channel	Result(dB)	Limit(dB)	Verdict
GPRS850	128	9.69	13	PASS
GPRS850	190	9.84	13	PASS
GPRS850	251	9.77	13	PASS
EGPRS850	128	11.67	13	PASS
EGPRS850	190	11.78	13	PASS
EGPRS850	251	12.04	13	PASS
GPRS1900	512	9.81	13	PASS
GPRS1900	661	9.80	13	PASS
GPRS1900	810	9.87	13	PASS
EGPRS1900	512	12.12	13	PASS
EGPRS1900	661	12.02	13	PASS
EGPRS1900	810	12.18	13	PASS

Test Graphs

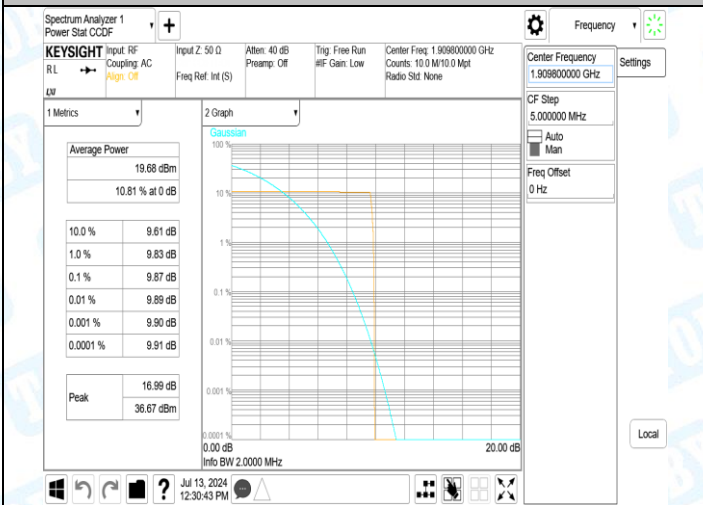




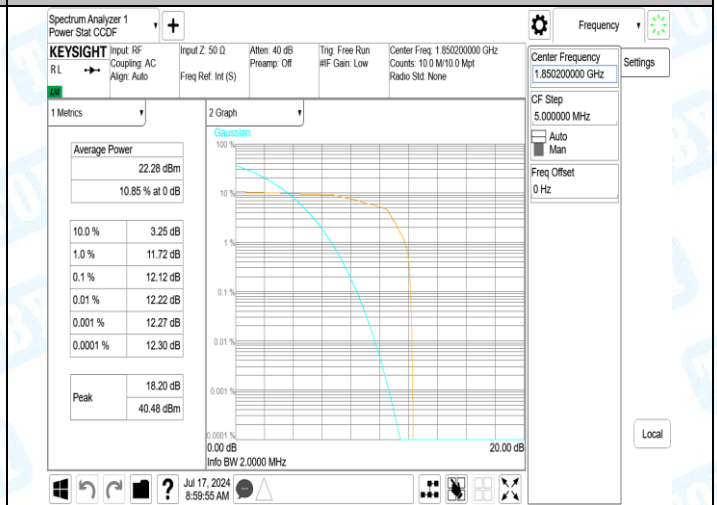
GPRS1900-810-0-PASS



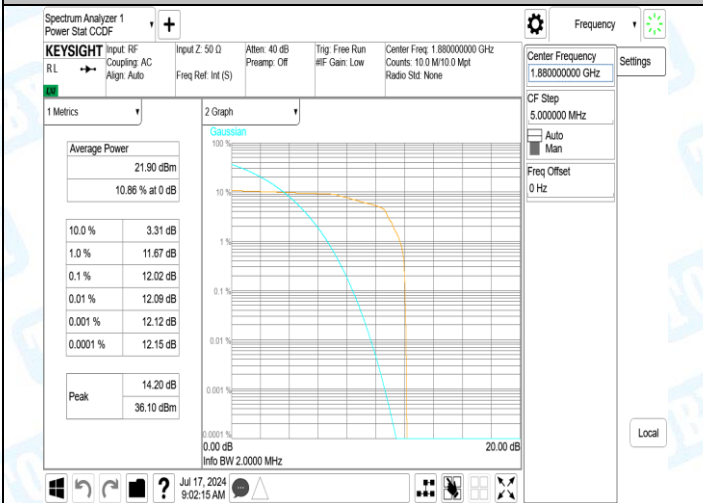
EGPRS1900-512-2-PASS



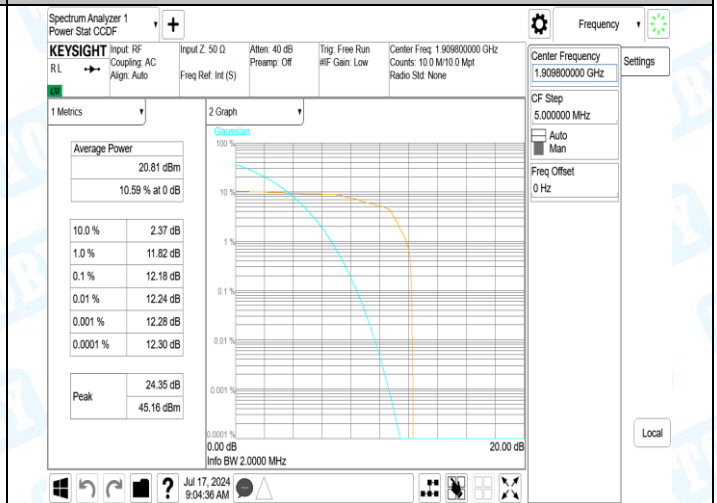
EGPRS1900-661-2-PASS



EGPRS1900-810-2-PASS



GPRS1900-810-0-PASS



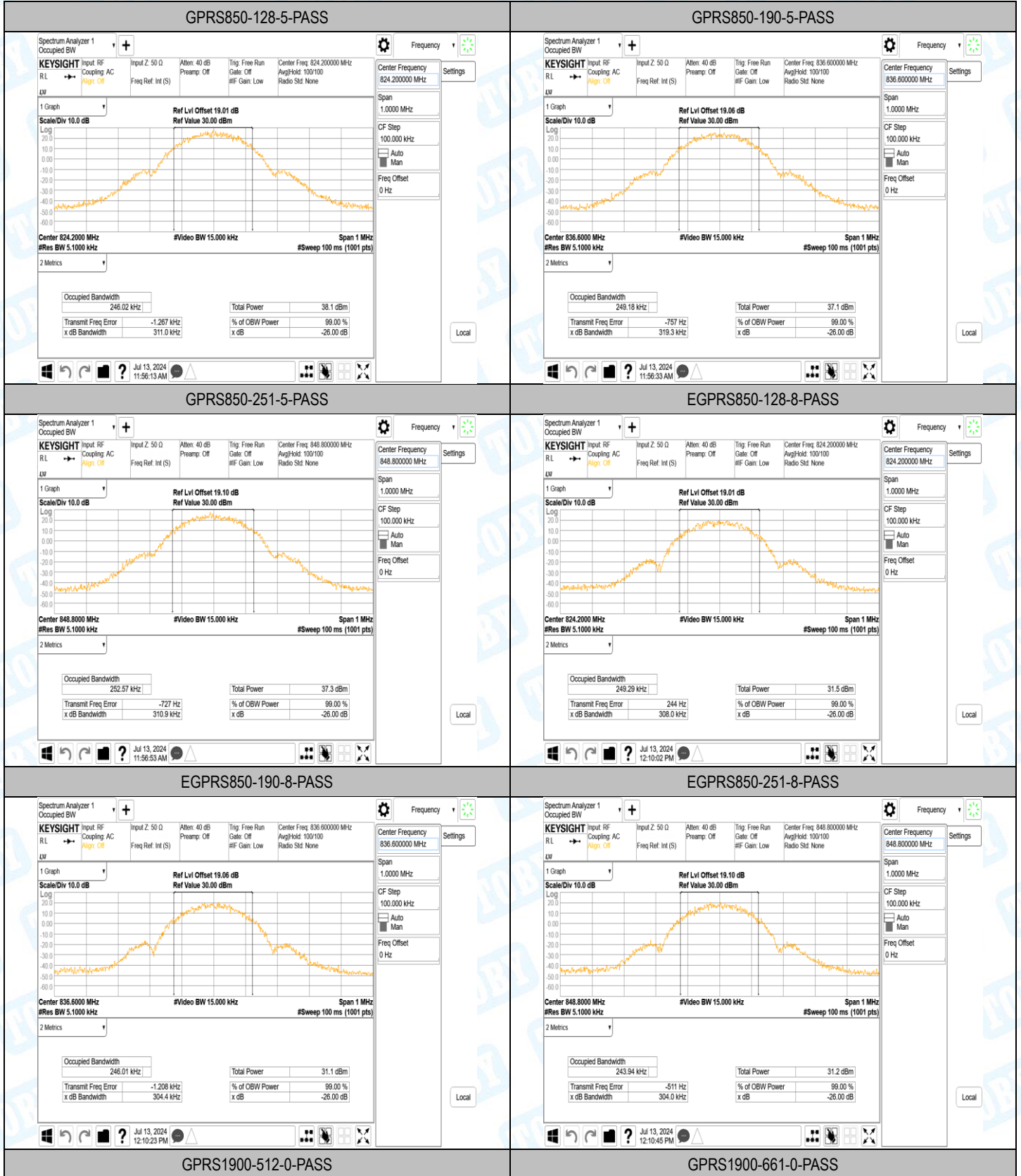
EGPRS1900-810-2-PASS

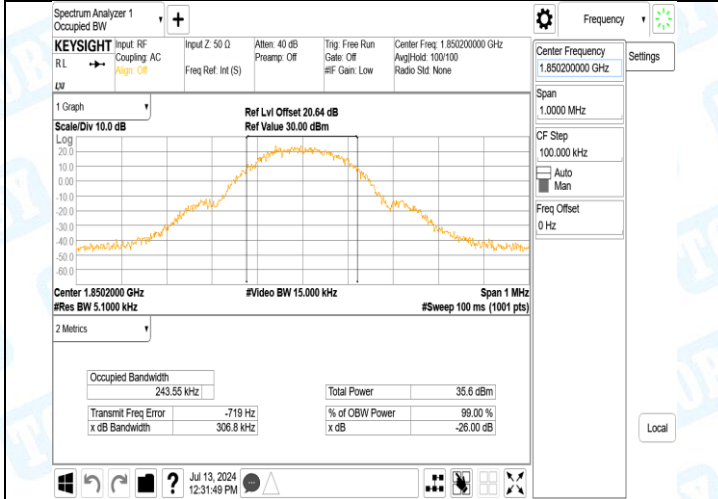
3. 26dB Bandwidth and Occupied Bandwidth

Test Result

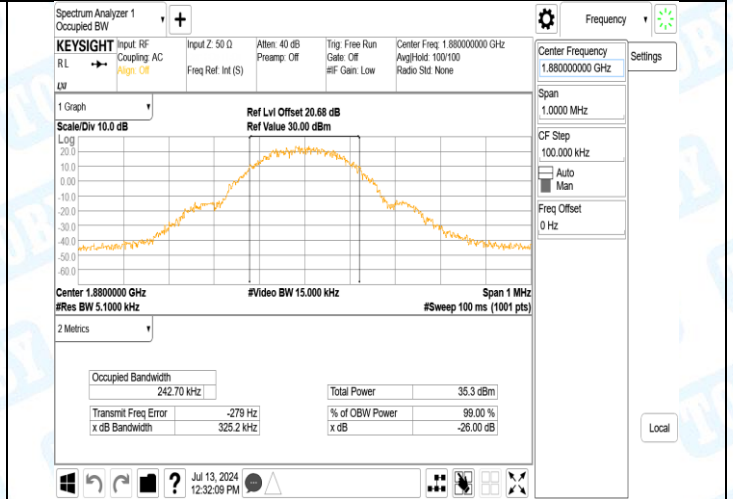
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GPRS850	128	0.24602	0.3110	---	PASS
GPRS850	190	0.24918	0.3193	---	PASS
GPRS850	251	0.25257	0.3109	---	PASS
EGPRS850	128	0.24929	0.3080	---	PASS
EGPRS850	190	0.24601	0.3044	---	PASS
EGPRS850	251	0.24394	0.3040	---	PASS
GPRS1900	512	0.24355	0.3068	---	PASS
GPRS1900	661	0.24270	0.3252	---	PASS
GPRS1900	810	0.24429	0.3127	---	PASS
EGPRS1900	512	0.24653	0.3046	---	PASS
EGPRS1900	661	0.24887	0.3148	---	PASS
EGPRS1900	810	0.24921	0.3056	---	PASS

Test Graphs

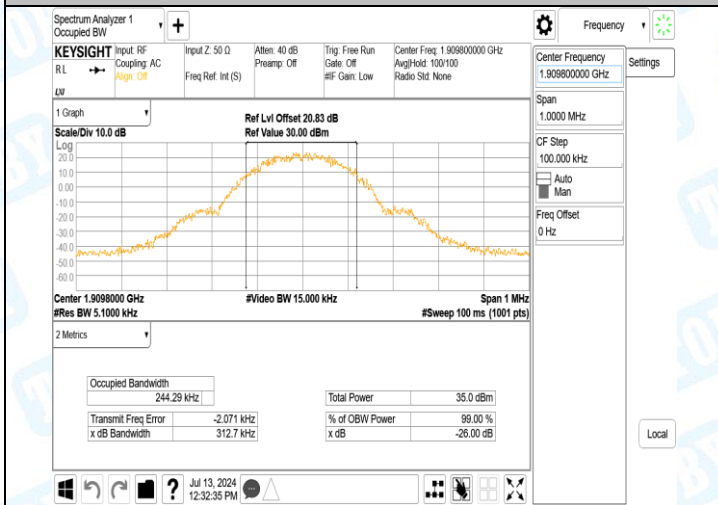




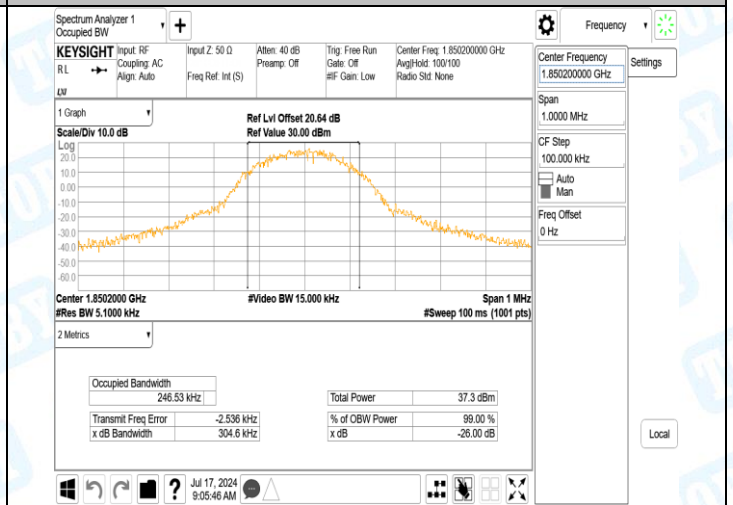
GPRS1900-810-0-PASS



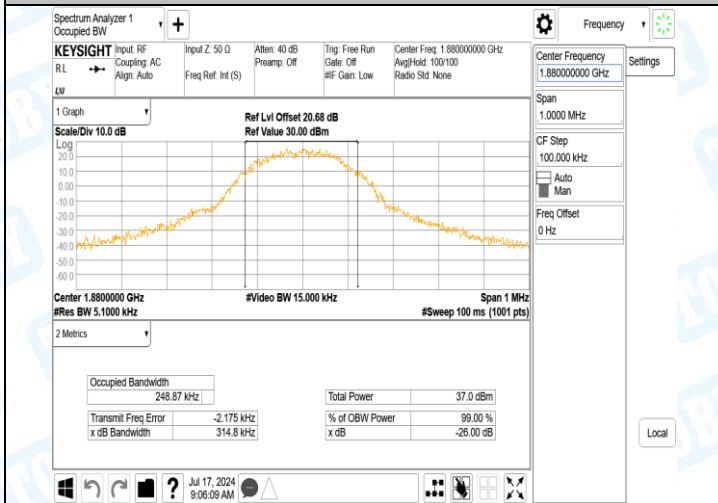
EGPRS1900-512-2-PASS



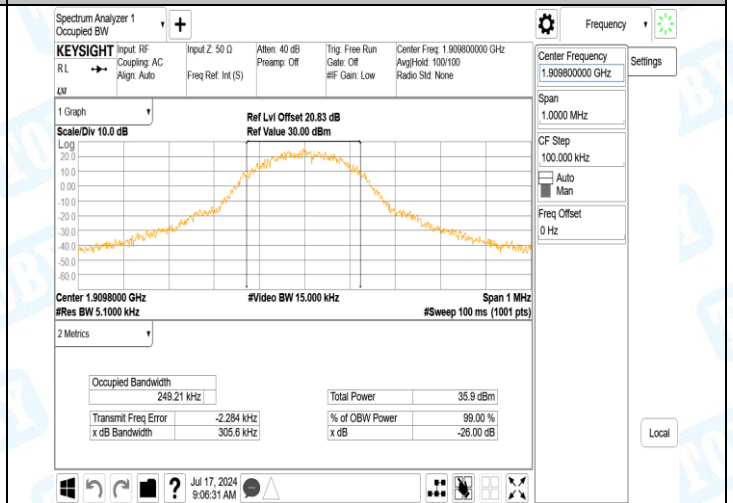
EGPRS1900-661-2-PASS



EGPRS1900-810-2-PASS



EGPRS1900-810-2-PASS



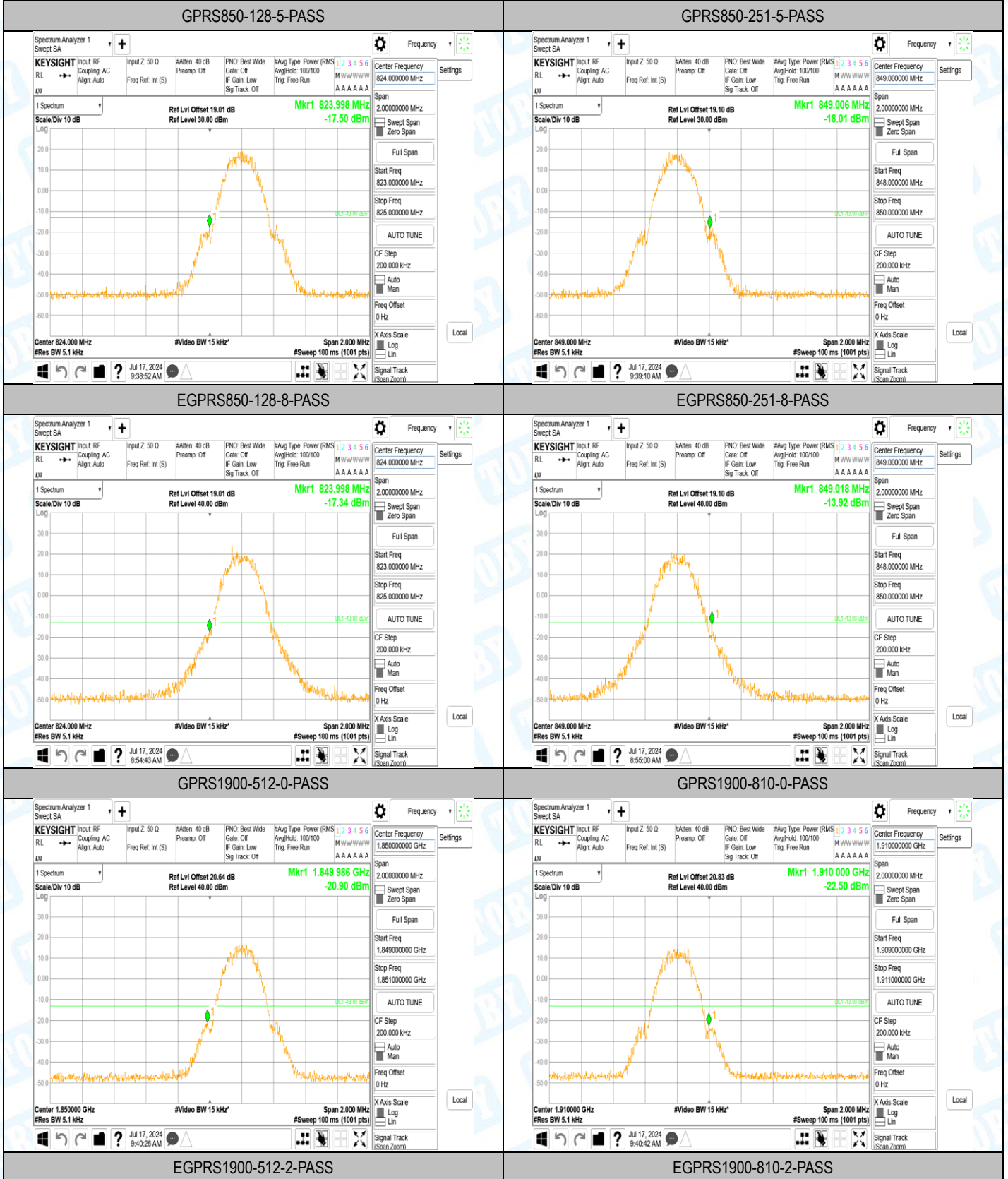
EGPRS1900-810-2-PASS

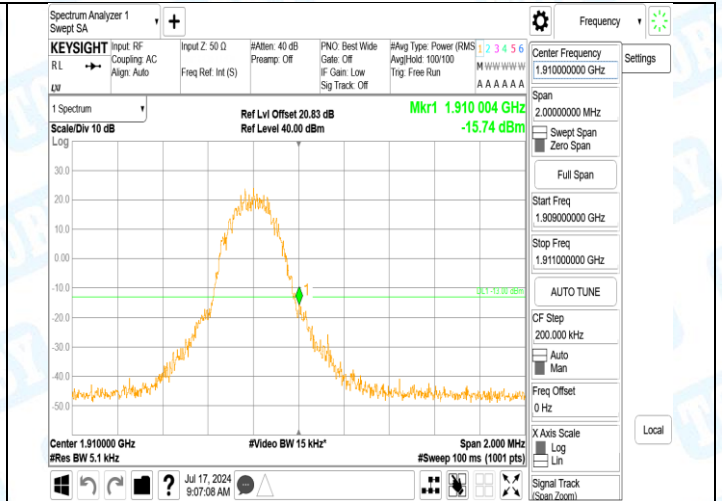
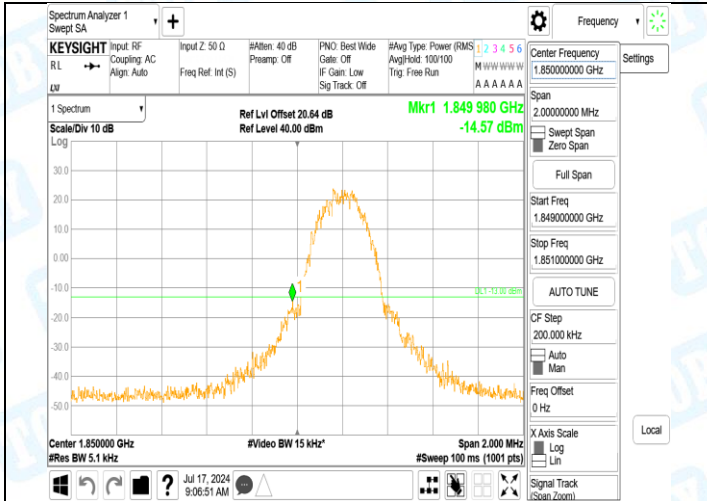
4. Band Edge

Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GPRS850	128	824.00	-17.50	-13	PASS
GPRS850	251	849.01	-18.01	-13	PASS
EGPRS850	128	824.00	-17.34	-13	PASS
EGPRS850	251	849.02	-13.92	-13	PASS
GPRS1900	512	1849.99	-20.90	-13	PASS
GPRS1900	810	1910.00	-22.50	-13	PASS
EGPRS1900	512	1849.98	-14.57	-13	PASS
EGPRS1900	810	1910.00	-15.74	-13	PASS

Test Graphs





5. Conducted Spurious Emission

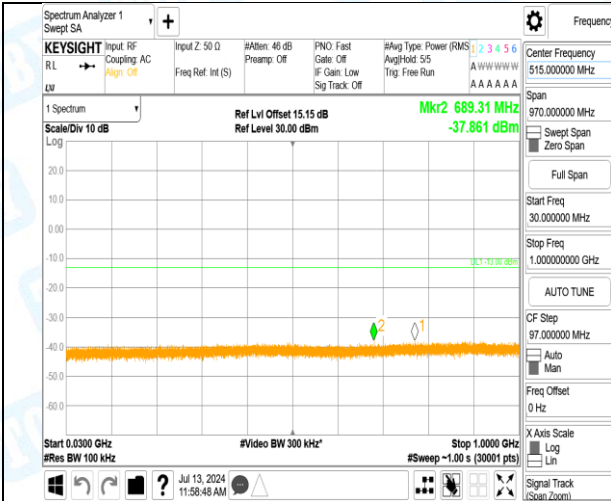
Test Result

Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GPRS850	128	0.009~0.15MHz	0.01	-68.93	-33	PASS
GPRS850	128	0.15~30MHz	0.16	-65.06	-23	PASS
GPRS850	128	30~1000MHz	951.5	-37.63	-13	PASS
GPRS850	128	1000~10000MHz	2665.9	-38.12	-13	PASS
GPRS850	190	0.009~0.15MHz	0.01	-66.95	-33	PASS
GPRS850	190	0.15~30MHz	0.16	-64.95	-23	PASS
GPRS850	190	30~1000MHz	689.31	-37.86	-13	PASS
GPRS850	190	1000~10000MHz	3188.5	-38.05	-13	PASS
GPRS850	251	0.009~0.15MHz	0.01	-70.02	-33	PASS
GPRS850	251	0.15~30MHz	0.15	-64.53	-23	PASS
GPRS850	251	30~1000MHz	373.74	-38.09	-13	PASS
GPRS850	251	1000~10000MHz	3167.2	-37.86	-13	PASS
EGPRS850	128	0.009~0.15MHz	0.14	-69.17	-33	PASS
EGPRS850	128	0.15~30MHz	0.16	-64.09	-23	PASS
EGPRS850	128	30~1000MHz	957.42	-38.1	-13	PASS
EGPRS850	128	1000~10000MHz	3179.5	-37.85	-13	PASS
EGPRS850	190	0.009~0.15MHz	0.12	-68.75	-33	PASS
EGPRS850	190	0.15~30MHz	0.16	-63.92	-23	PASS
EGPRS850	190	30~1000MHz	946.59	-38.35	-13	PASS
EGPRS850	190	1000~10000MHz	2702.8	-37.97	-13	PASS
EGPRS850	251	0.009~0.15MHz	0.11	-68.72	-33	PASS
EGPRS850	251	0.15~30MHz	0.16	-65.49	-23	PASS
EGPRS850	251	30~1000MHz	450.27	-38.28	-13	PASS
EGPRS850	251	1000~10000MHz	3172.3	-38.06	-13	PASS
GPRS1900	512	0.009~0.15MHz	0.09	-69.86	-43	PASS
GPRS1900	512	0.15~30MHz	0.15	-64.94	-33	PASS
GPRS1900	512	30~1000MHz	881.85	-35.61	-13	PASS
GPRS1900	512	1000~3000MHz	2681.2	-21.91	-13	PASS
GPRS1900	512	3000~18000MHz	16485.5	-40.26	-13	PASS
GPRS1900	661	0.009~0.15MHz	0.14	-69.26	-43	PASS
GPRS1900	661	0.15~30MHz	0.15	-65.51	-33	PASS
GPRS1900	661	30~1000MHz	840.63	-35.94	-13	PASS
GPRS1900	661	1000~3000MHz	2702.93	-21.95	-13	PASS
GPRS1900	661	3000~18000MHz	16423.5	-40.36	-13	PASS
GPRS1900	810	0.009~0.15MHz	0.03	-69.93	-43	PASS
GPRS1900	810	0.15~30MHz	0.16	-64.41	-33	PASS
GPRS1900	810	30~1000MHz	883.5	-35.64	-13	PASS
GPRS1900	810	1000~3000MHz	2693.2	-22.01	-13	PASS
GPRS1900	810	3000~18000MHz	16434	-40.32	-13	PASS
EGPRS1900	512	0.009~0.15MHz	0.15	-69.12	-43	PASS

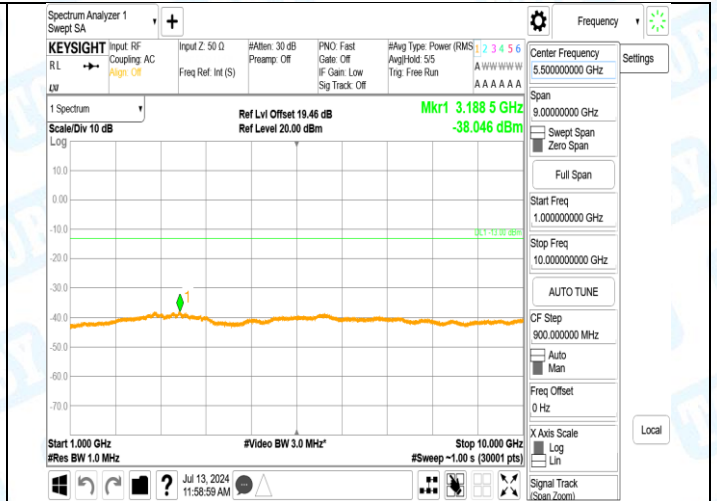
EGPRS1900	512	0.15~30MHz	0.15	-64.2	-33	PASS
EGPRS1900	512	30~1000MHz	923.21	-35.76	-13	PASS
EGPRS1900	512	1000~3000MHz	2679.6	-21.93	-13	PASS
EGPRS1900	512	3000~18000MHz	16473.5	-40.26	-13	PASS
EGPRS1900	661	0.009~0.15MHz	0.07	-69.38	-43	PASS
EGPRS1900	661	0.15~30MHz	0.16	-63.78	-33	PASS
EGPRS1900	661	30~1000MHz	891.49	-35.76	-13	PASS
EGPRS1900	661	1000~3000MHz	2700.67	-21.63	-13	PASS
EGPRS1900	661	3000~18000MHz	16354.5	-40.08	-13	PASS
EGPRS1900	810	0.009~0.15MHz	0.01	-69.37	-43	PASS
EGPRS1900	810	0.15~30MHz	0.15	-64.32	-33	PASS
EGPRS1900	810	30~1000MHz	905.94	-35.67	-13	PASS
EGPRS1900	810	1000~3000MHz	2686.8	-21.79	-13	PASS
EGPRS1900	810	3000~18000MHz	16466	-40.24	-13	PASS

Test Graphs

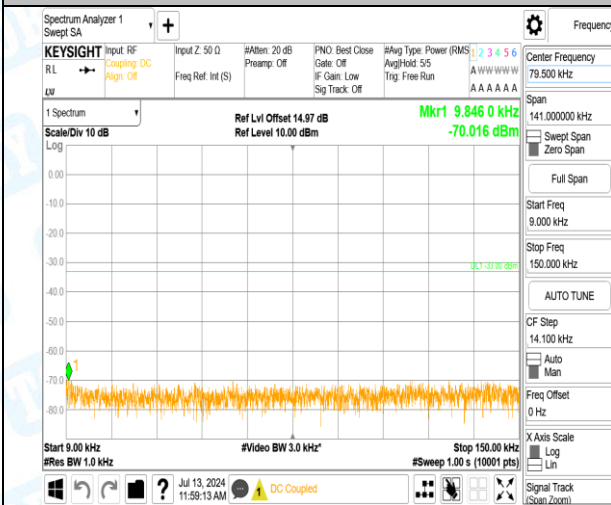




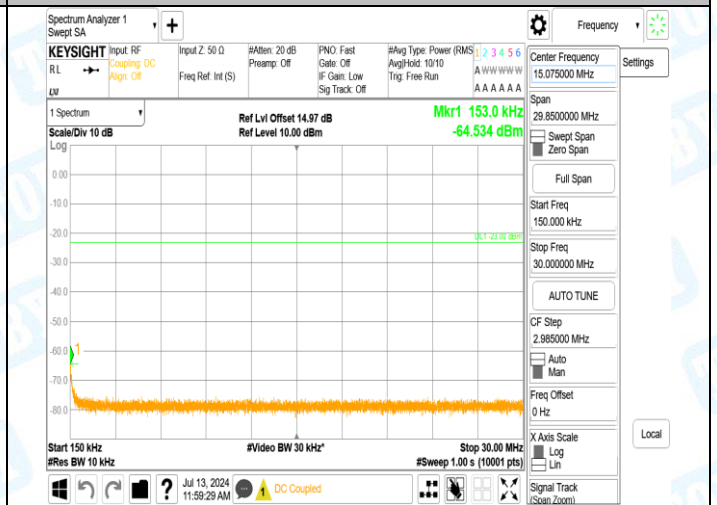
GPRS850-251-5-0.009~0.15MHz-PASS



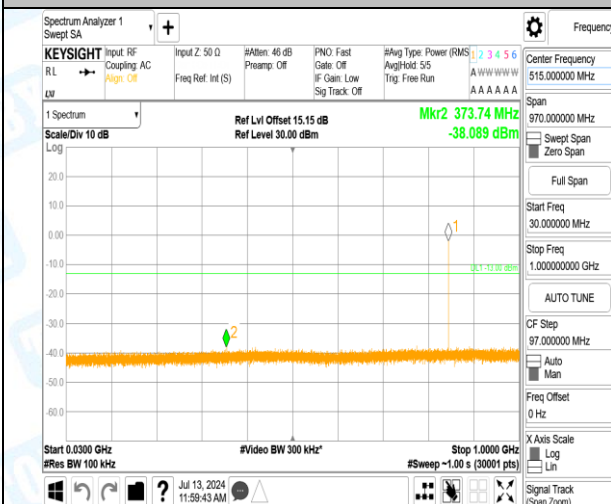
GPRS850-251-5-0.15~30MHz-PASS



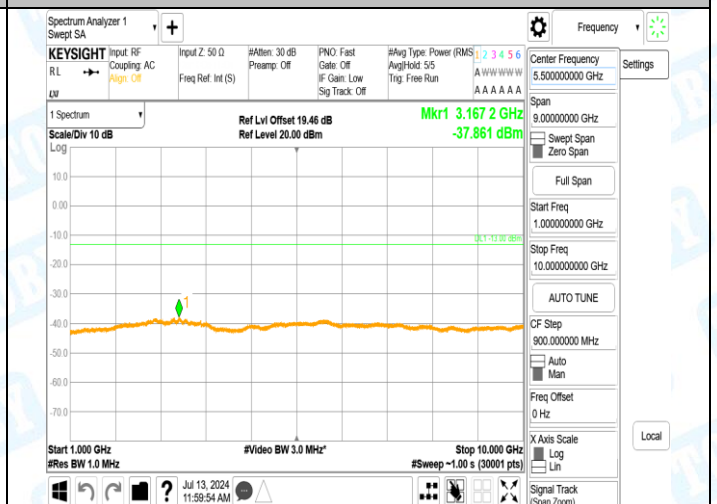
GPRS850-251-5-30~1000MHz-PASS



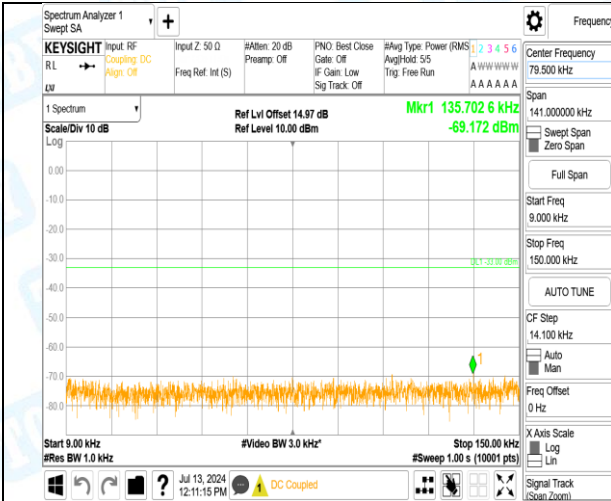
GPRS850-251-5-1000~10000MHz-PASS



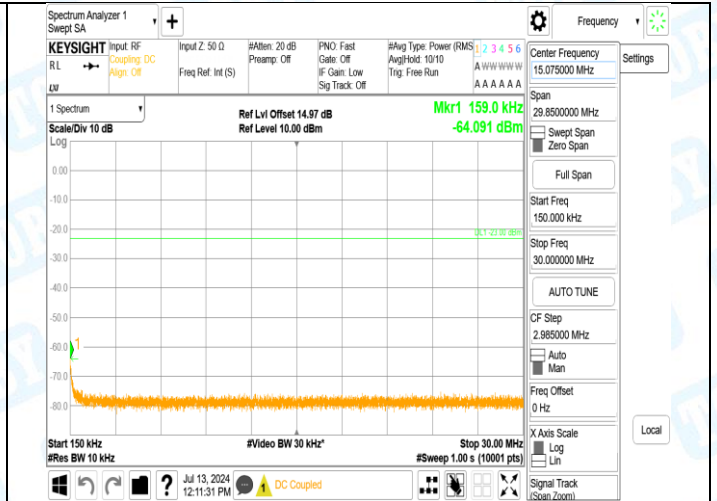
EGPRS850-128-8-0.009~0.15MHz-PASS



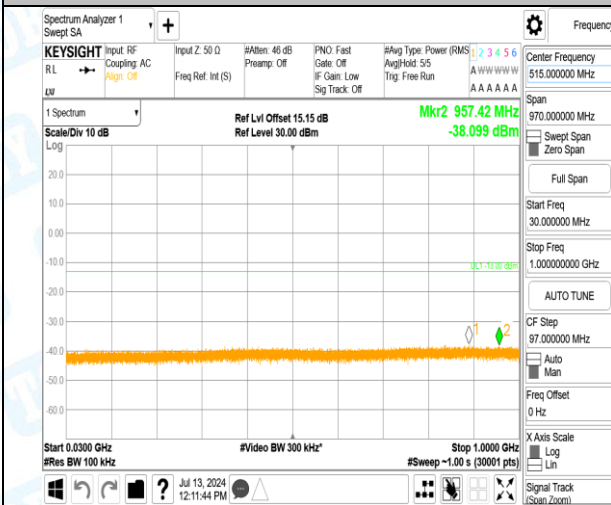
EGPRS850-128-8-0.15~30MHz-PASS



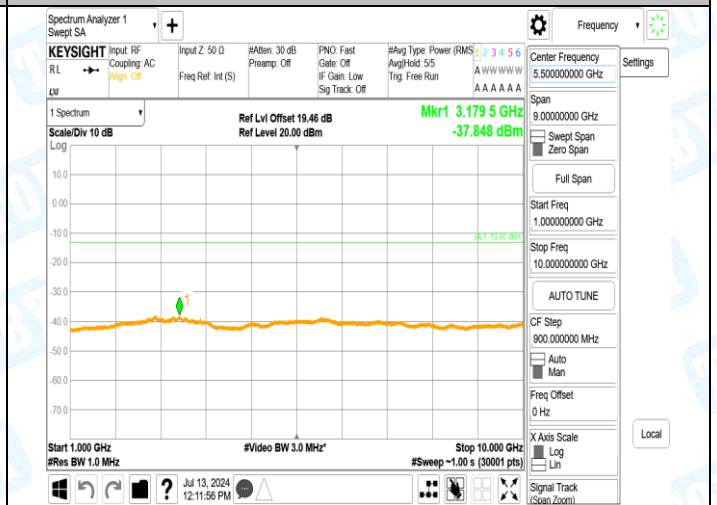
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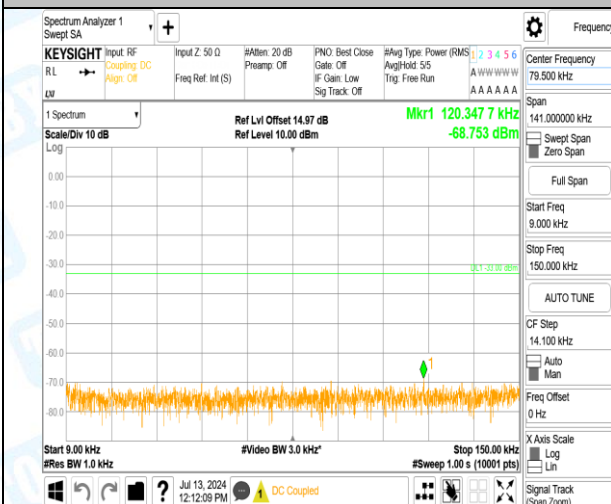
EGPRS850-128-8-1000~10000MHz-PASS



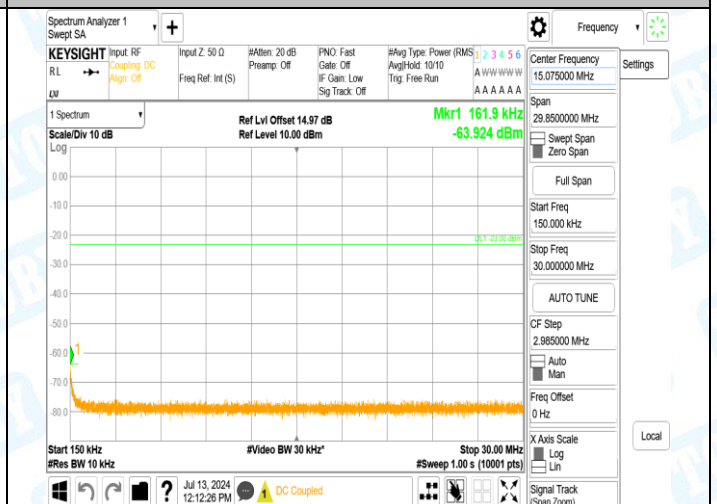
EGPRS850-190-8-0.009~0.15MHz-PASS



EGPRS850-190-8-0.15~30MHz-PASS



EGPRS850-190-8-30~1000MHz-PASS



EGPRS850-190-8-1000~10000MHz-PASS