

Appendix RF Test Data for GSM

FCC : 2BFV9-VK59

Company : SHENZHEN SHENGYE TECHNOLOGY CO., LTD

EUT : KIDS SMART WATCH

Model Number : VK59

Report No. : CTA26052902201

Reviewed By : Eric Wang

00 GSM EMISSION DESIGNATOR

Band	Emission Designator (99%OBW)
GPRS1900	244KGXW
GSM1900	245KGXW
GPRS850	245KGXW
GSM850	239KGXW

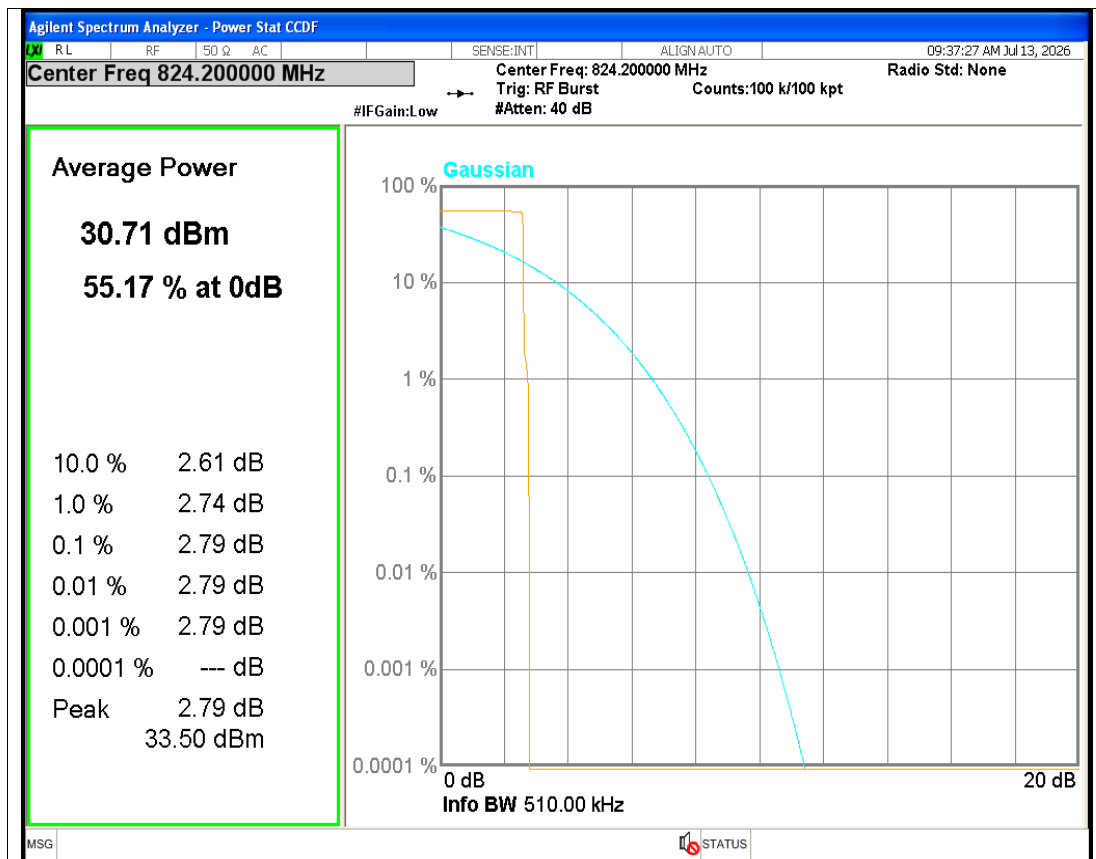
01 GSM CONDUCTED OUTPUT POWER

Band	Channel	Frequency (MHz)	Power (dBm)	ERP Limit (dBm)	Verdict
GSM850	128	824.2	32.72	34.77	PASS
GSM850	190	836.6	32.68	34.77	PASS
GSM850	251	848.8	32.66	34.77	PASS
GPRS850 1 Slot	128	824.2	32.68	34.77	PASS
GPRS850 1 Slot	190	836.6	32.67	34.77	PASS
GPRS850 1 Slot	251	848.8	32.65	34.77	PASS
GPRS850 2 Slot	128	824.2	32.63	34.77	PASS
GPRS850 2 Slot	190	836.6	31.06	34.77	PASS
GPRS850 2 Slot	251	848.8	31.39	34.77	PASS
GPRS850 3 Slot	128	824.2	31.28	34.77	PASS
GPRS850 3 Slot	190	836.6	29.96	34.77	PASS
GPRS850 3 Slot	251	848.8	30.05	34.77	PASS
GPRS850 4 Slot	128	824.2	30.1	34.77	PASS
GPRS850 4 Slot	190	836.6	28.41	34.77	PASS
GPRS850 4 Slot	251	848.8	28.41	34.77	PASS

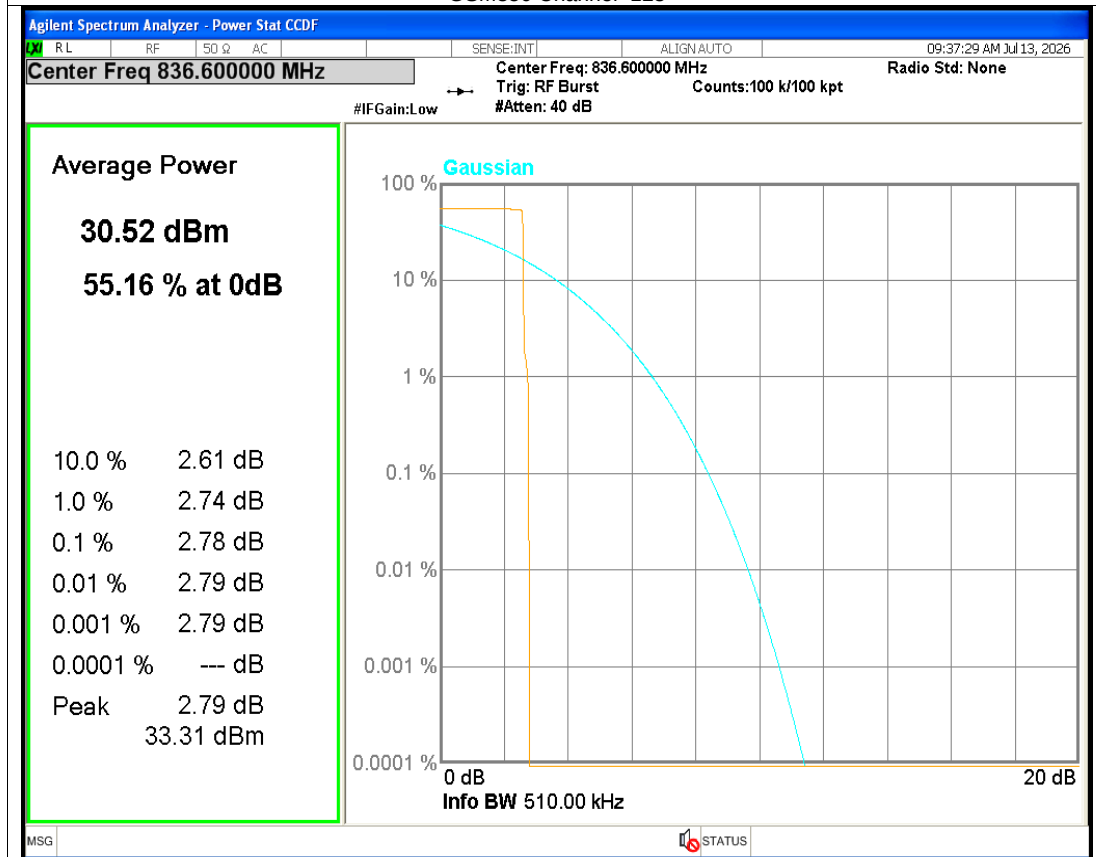
Band	Channel	Frequency (MHz)	Power (dBm)	EIRP Limit (dBm)	Verdict
GSM1900	512	1850.2	29.92	33.01	PASS
GSM1900	661	1880.0	29.72	33.01	PASS
GSM1900	810	1909.8	29.53	33.01	PASS
GPRS1900 1 Slot	512	1850.2	29.99	33.01	PASS
GPRS1900 1 Slot	661	1880.0	29.79	33.01	PASS
GPRS1900 1 Slot	810	1909.8	29.64	33.01	PASS
GPRS1900 2 Slot	512	1850.2	29.91	33.01	PASS
GPRS1900 2 Slot	661	1880.0	29.69	33.01	PASS
GPRS1900 2 Slot	810	1909.8	29.51	33.01	PASS
GPRS1900 3 Slot	512	1850.2	28.18	33.01	PASS
GPRS1900 3 Slot	661	1880.0	27.8	33.01	PASS
GPRS1900 3 Slot	810	1909.8	27.71	33.01	PASS
GPRS1900 4 Slot	512	1850.2	26.29	33.01	PASS
GPRS1900 4 Slot	661	1880.0	25.99	33.01	PASS
GPRS1900 4 Slot	810	1909.8	25.85	33.01	PASS

03 GSM PEAK-TO-AVERAGE RATIO

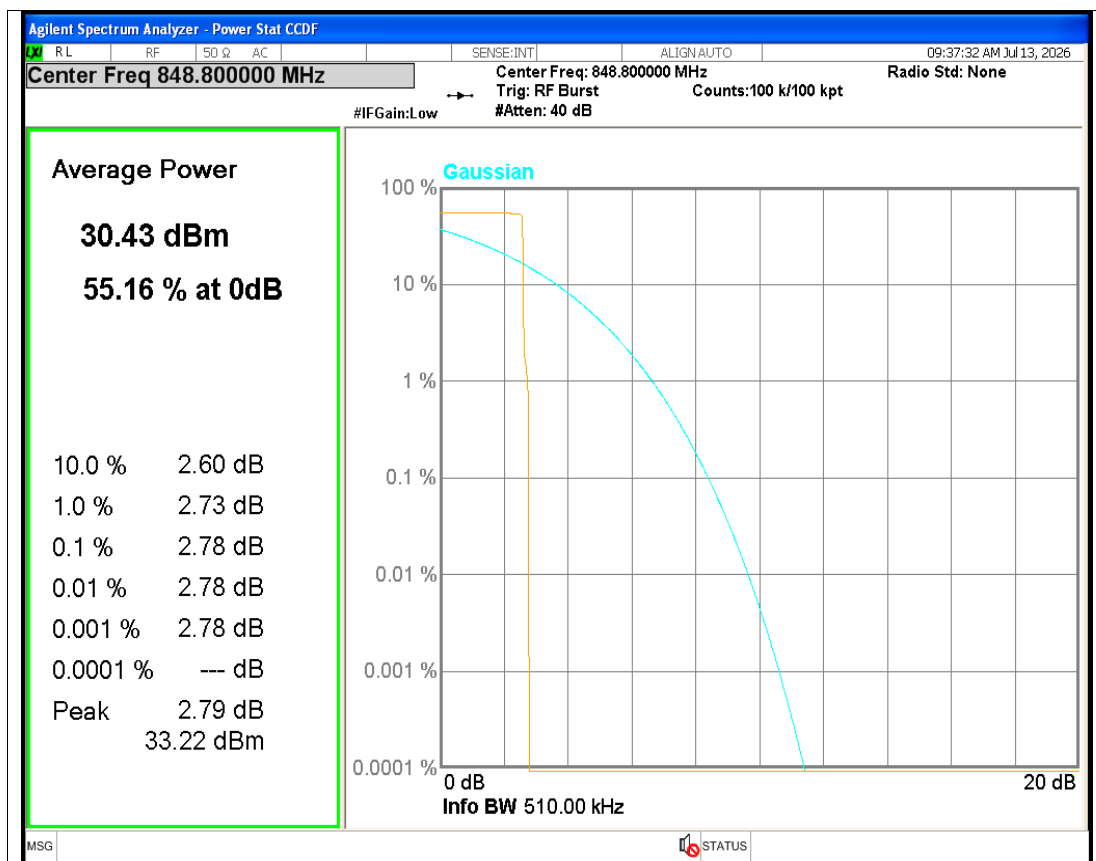
Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GSM850	128	824.2	2.79	13	PASS
GSM850	190	836.6	2.78	13	PASS
GSM850	251	848.8	2.78	13	PASS
GPRS850	128	824.2	2.782162162	13.00	PASS
GPRS850	190	836.6	2.778613139	13.00	PASS
GPRS850	251	848.8	2.868929766	13.00	PASS
GSM1900	512	1850.2	2.74	13	PASS
GSM1900	661	1880	2.74	13	PASS
GSM1900	810	1909.8	2.74	13	PASS
GPRS1900	512	1850.2	2.74443662	13.00	PASS
GPRS1900	661	1880	2.734609375	13.00	PASS
GPRS1900	810	1909.8	2.744904459	13.00	PASS



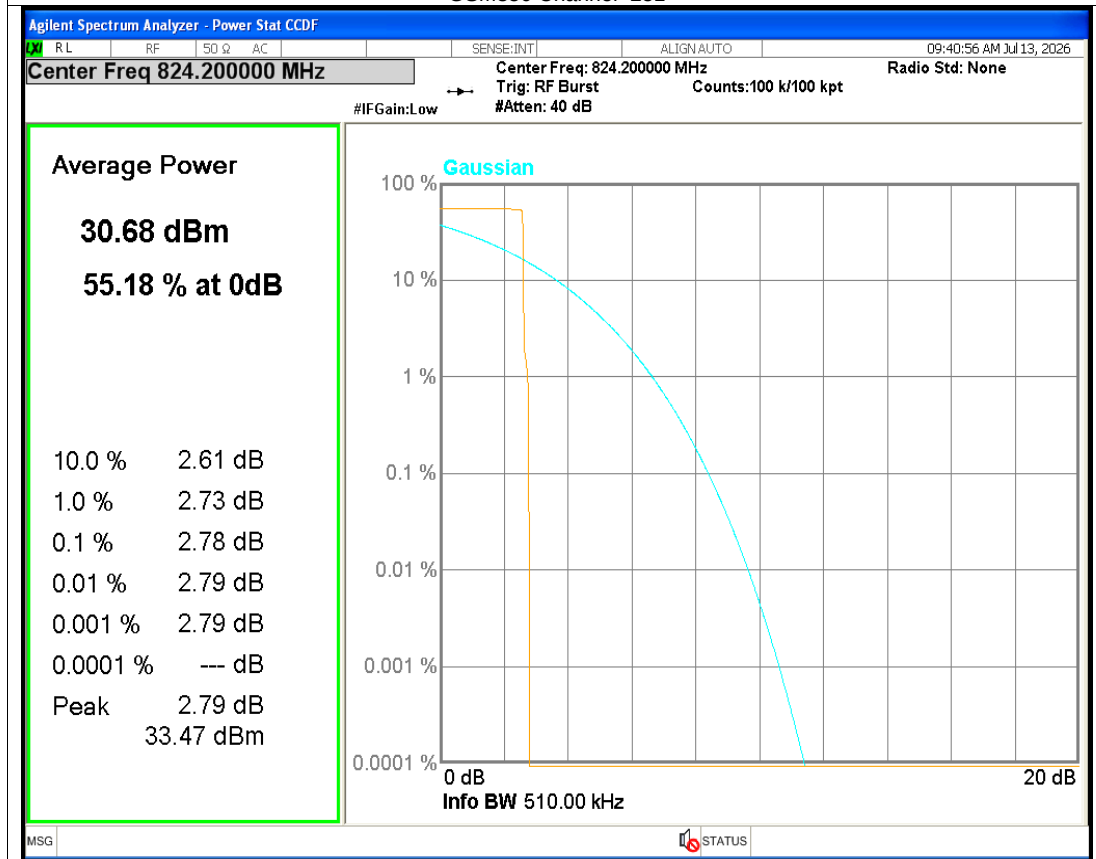
GSM850 Channel=128



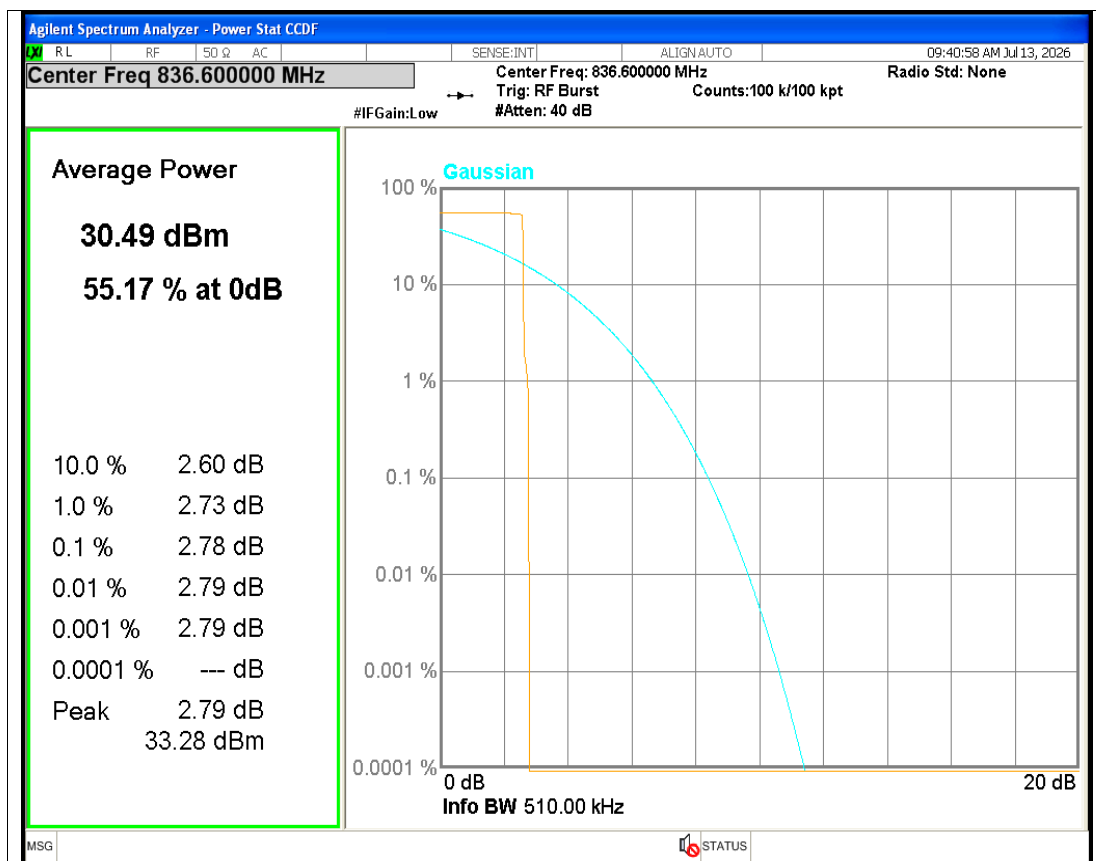
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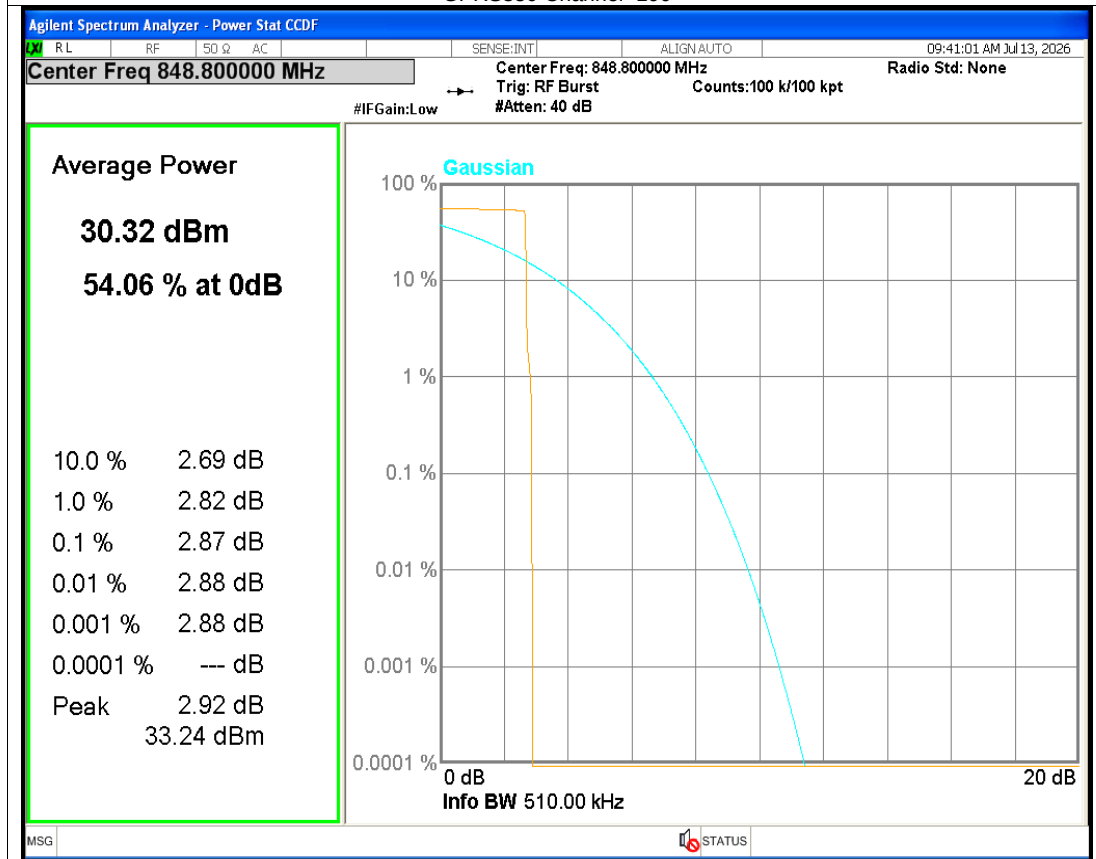
GSM850 Channel=251



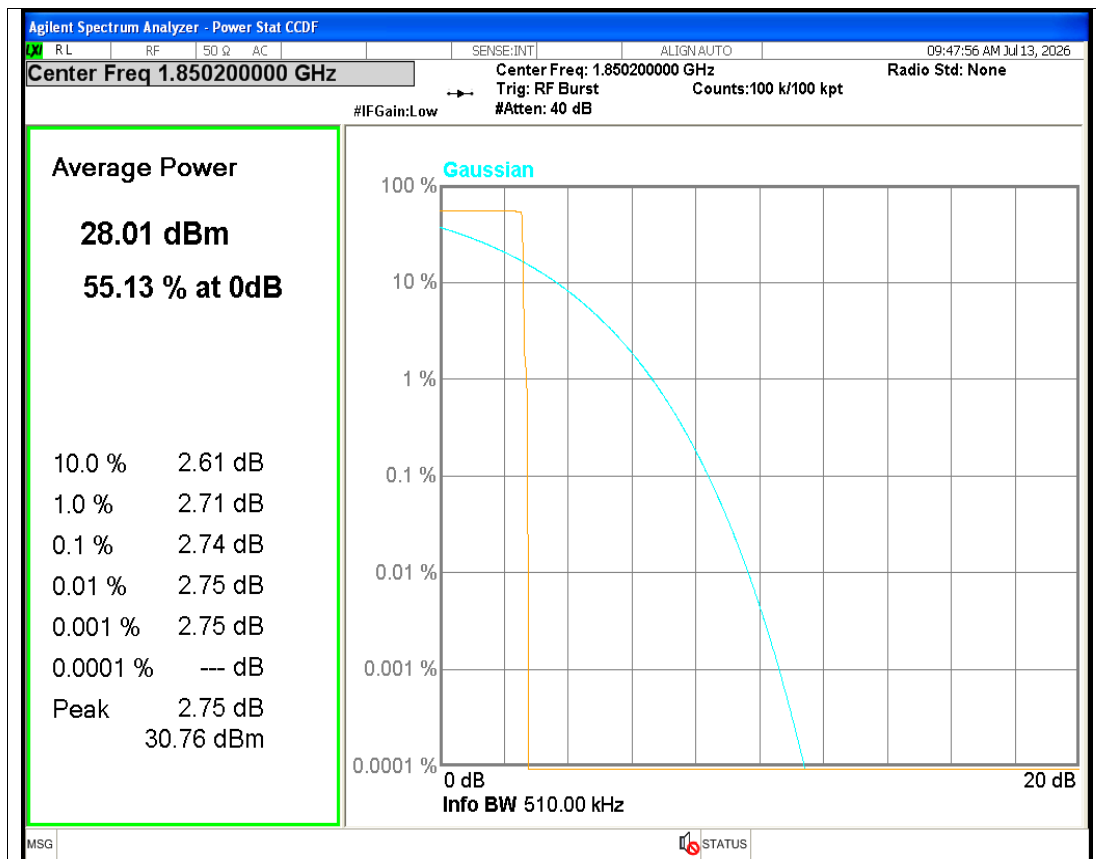
GPRS850 Channel=128



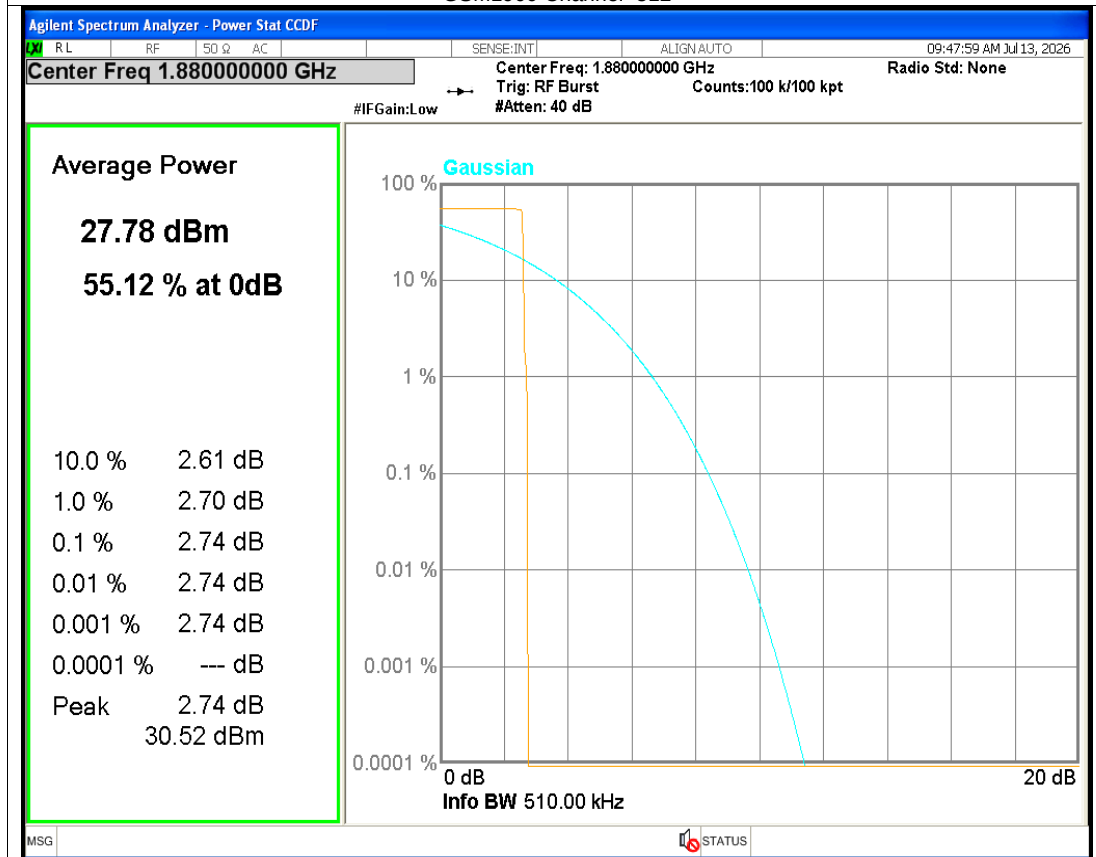
GPRS850 Channel=190



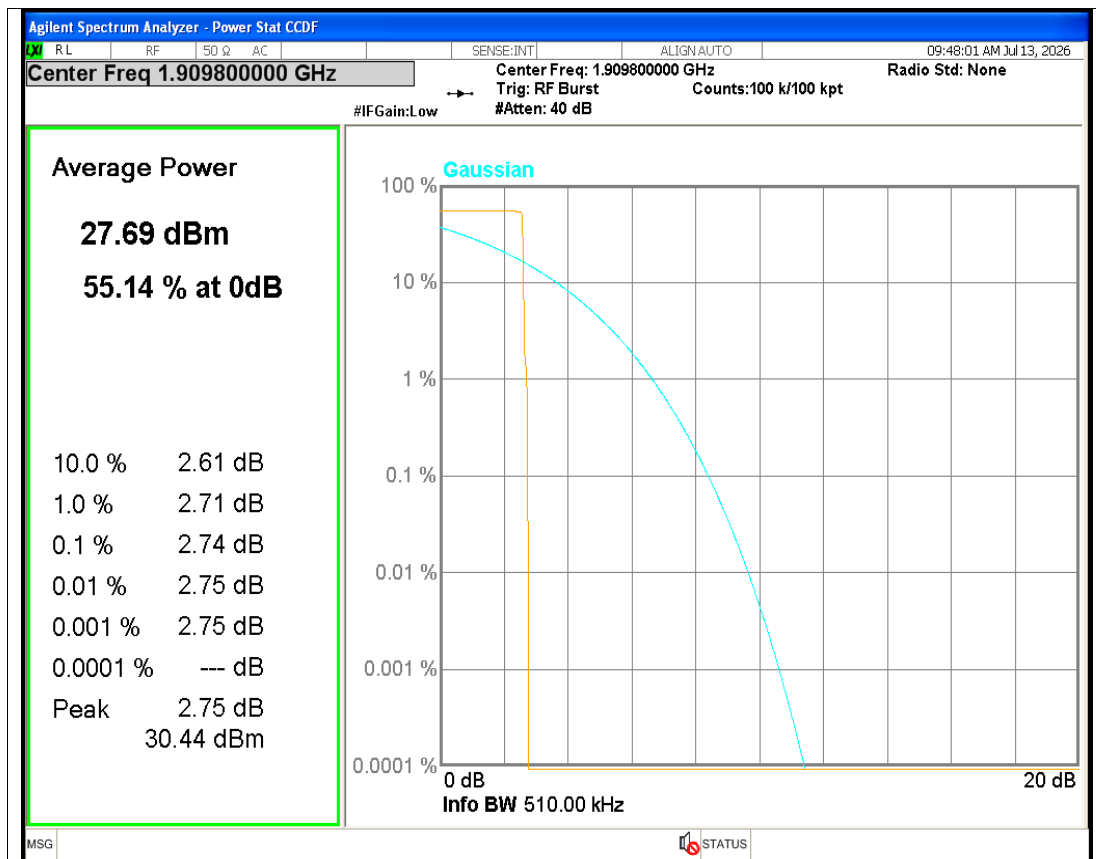
GPRS850 Channel=251



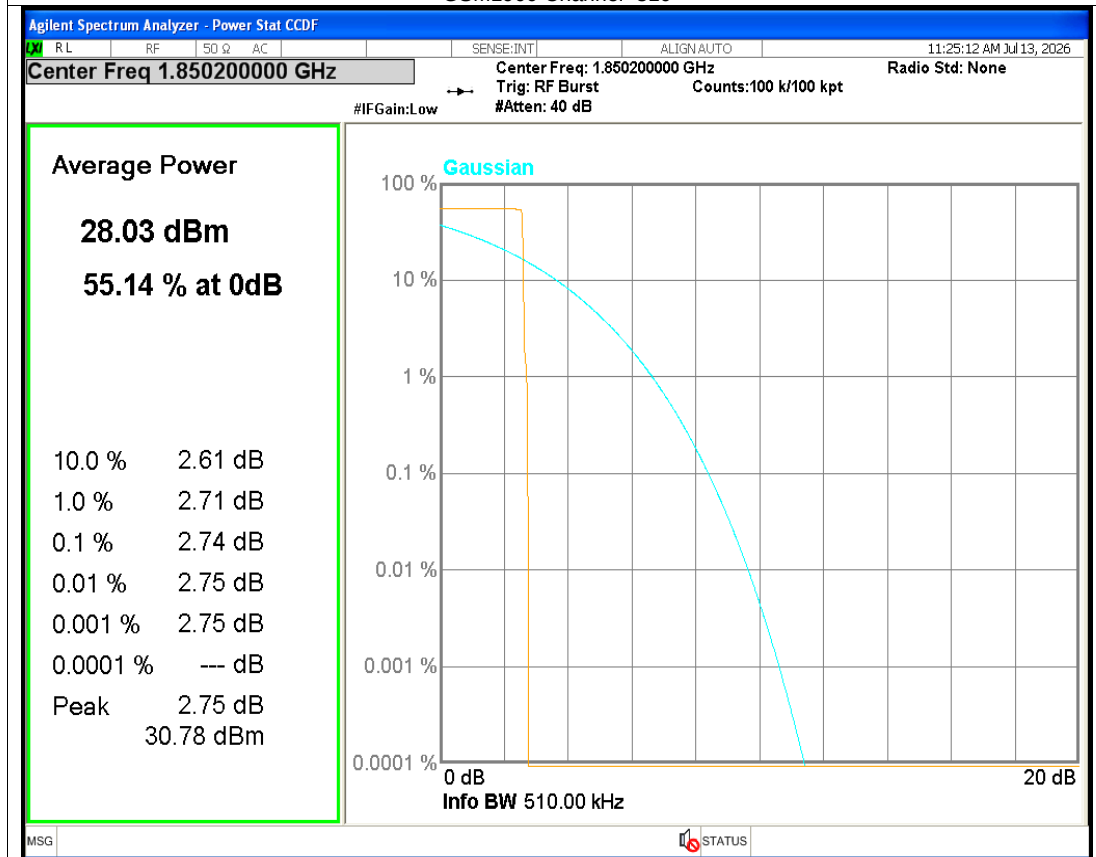
GSM1900 Channel=512



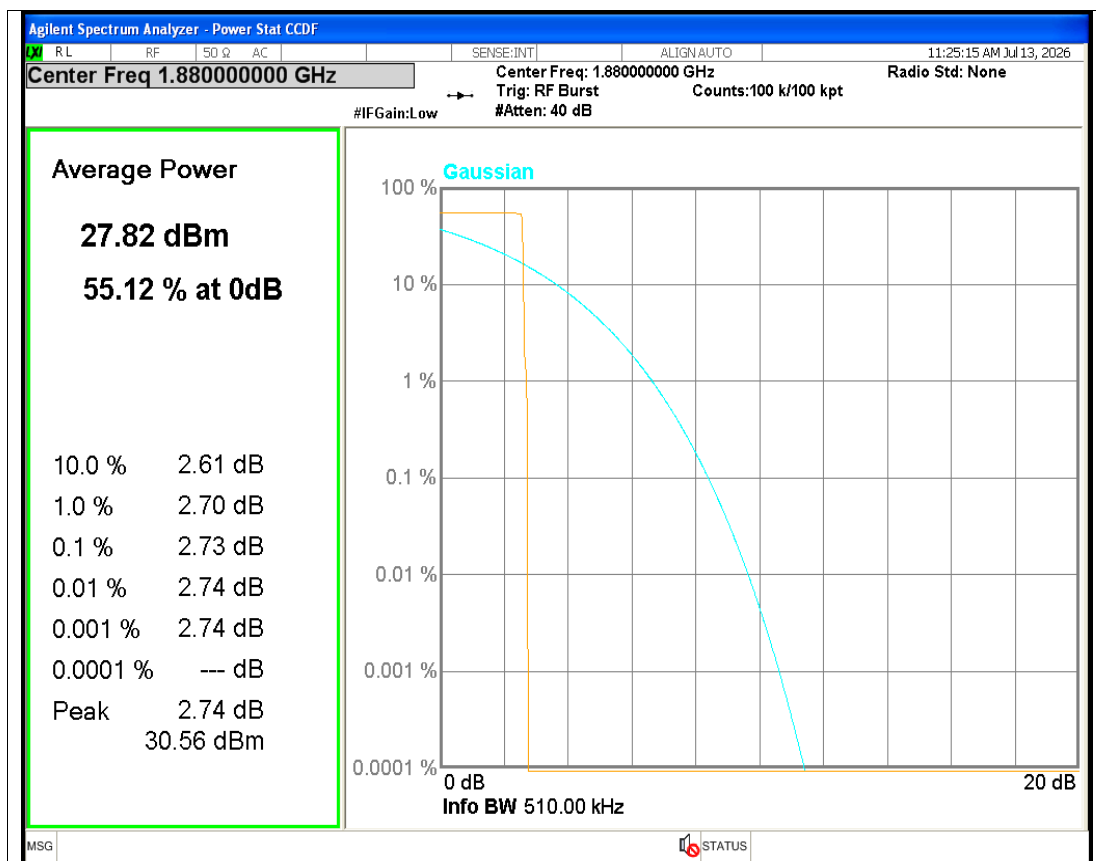
GSM1900 Channel=661



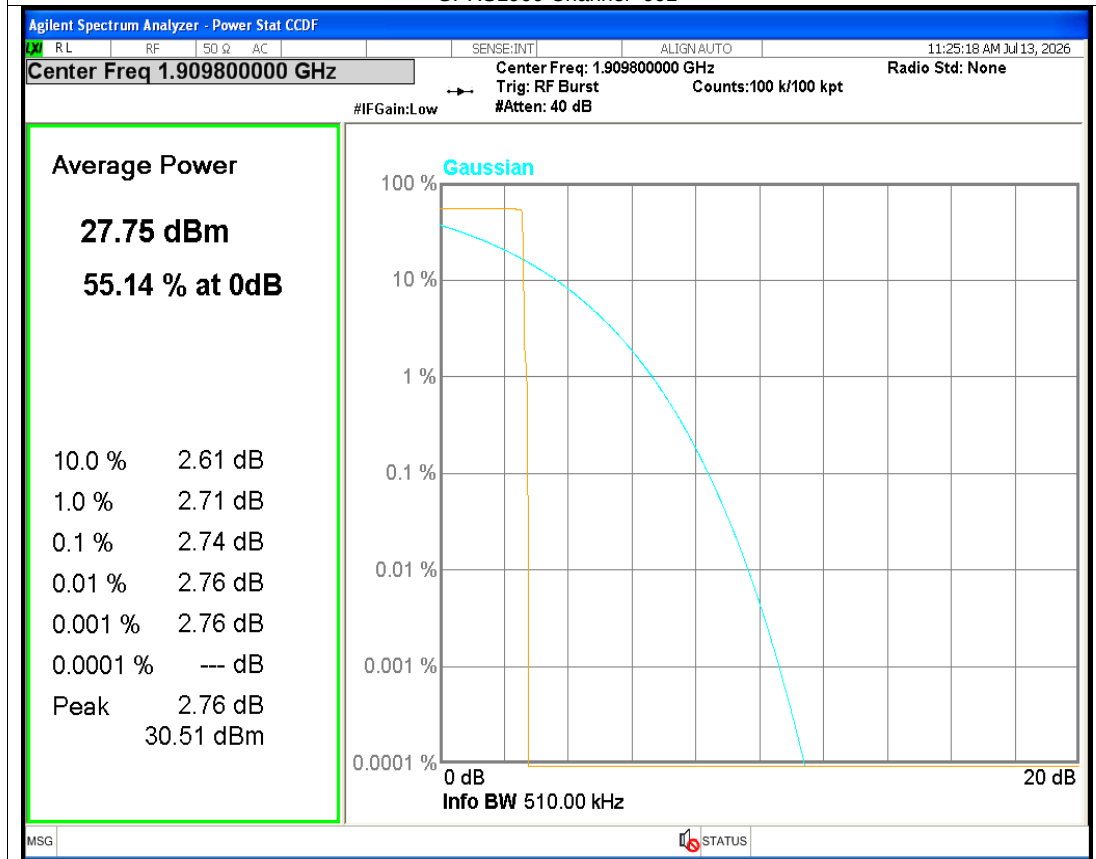
GSM1900 Channel=810



GPRS1900 Channel=512



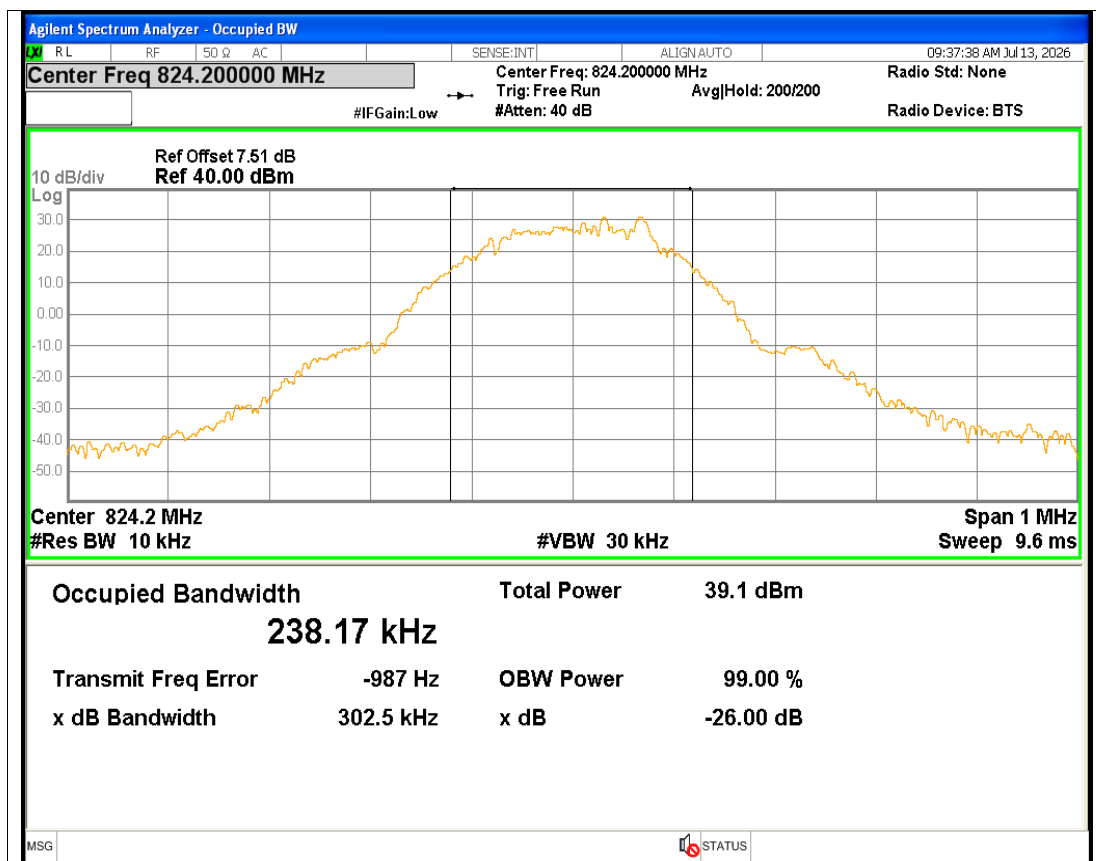
GPRS1900 Channel=661



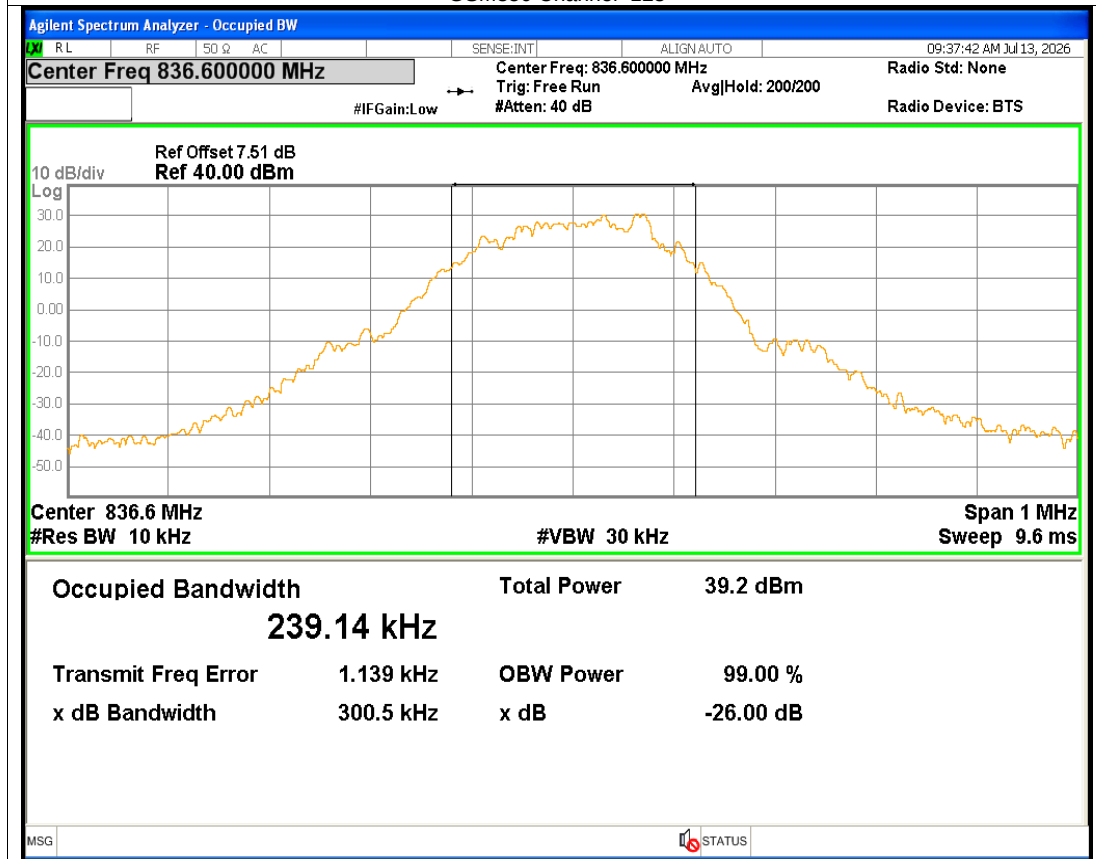
GPRS1900 Channel=810

04 GSM OCCUPIED BANDWIDTH

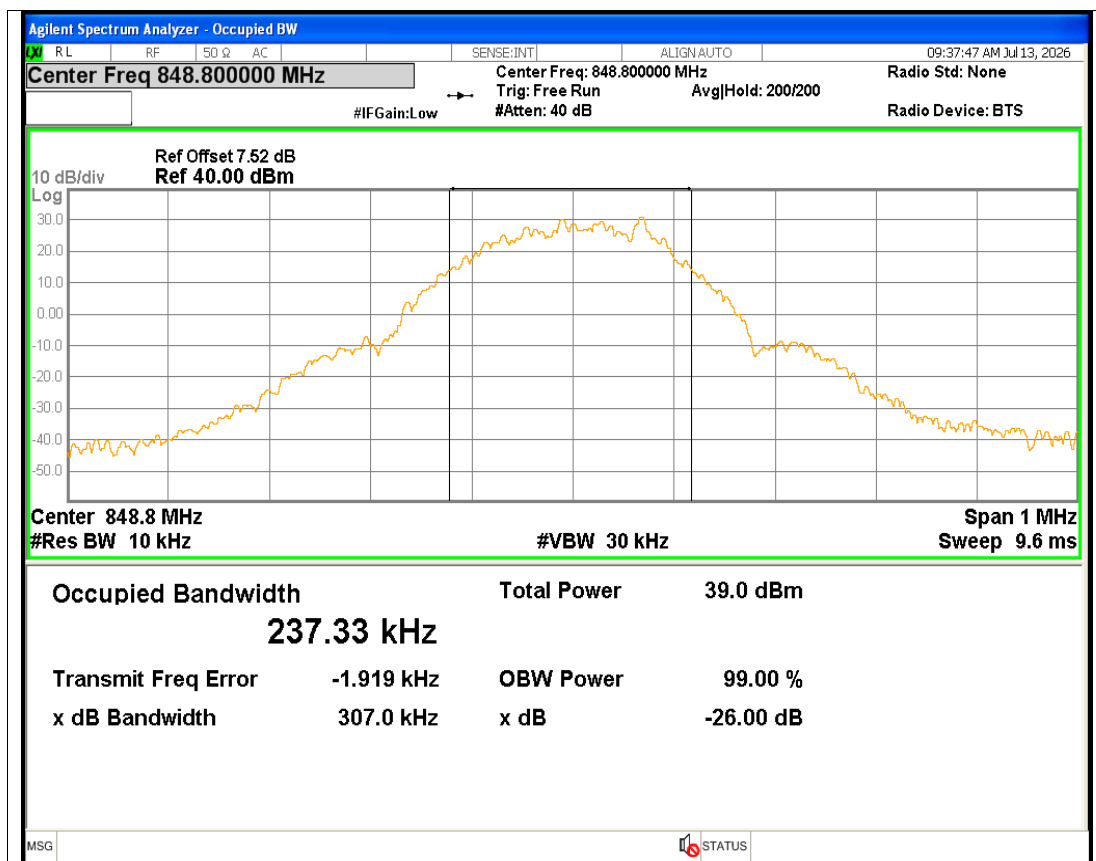
Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GSM850	128	824.2	238.172	302.502	PASS
GSM850	190	836.6	239.138	300.523	PASS
GSM850	251	848.8	237.335	306.969	PASS
GPRS850	128	824.2	245.349	316.264	PASS
GPRS850	190	836.6	241.912	313.093	PASS
GPRS850	251	848.8	239.745	315.326	PASS
GSM1900	512	1850.2	245.144	309.194	PASS
GSM1900	661	1880	240.987	314.607	PASS
GSM1900	810	1909.8	240.218	311.247	PASS
GPRS1900	512	1850.2	244.634	314.474	PASS
GPRS1900	661	1880	242.901	311.773	PASS
GPRS1900	810	1909.8	244.576	318.445	PASS



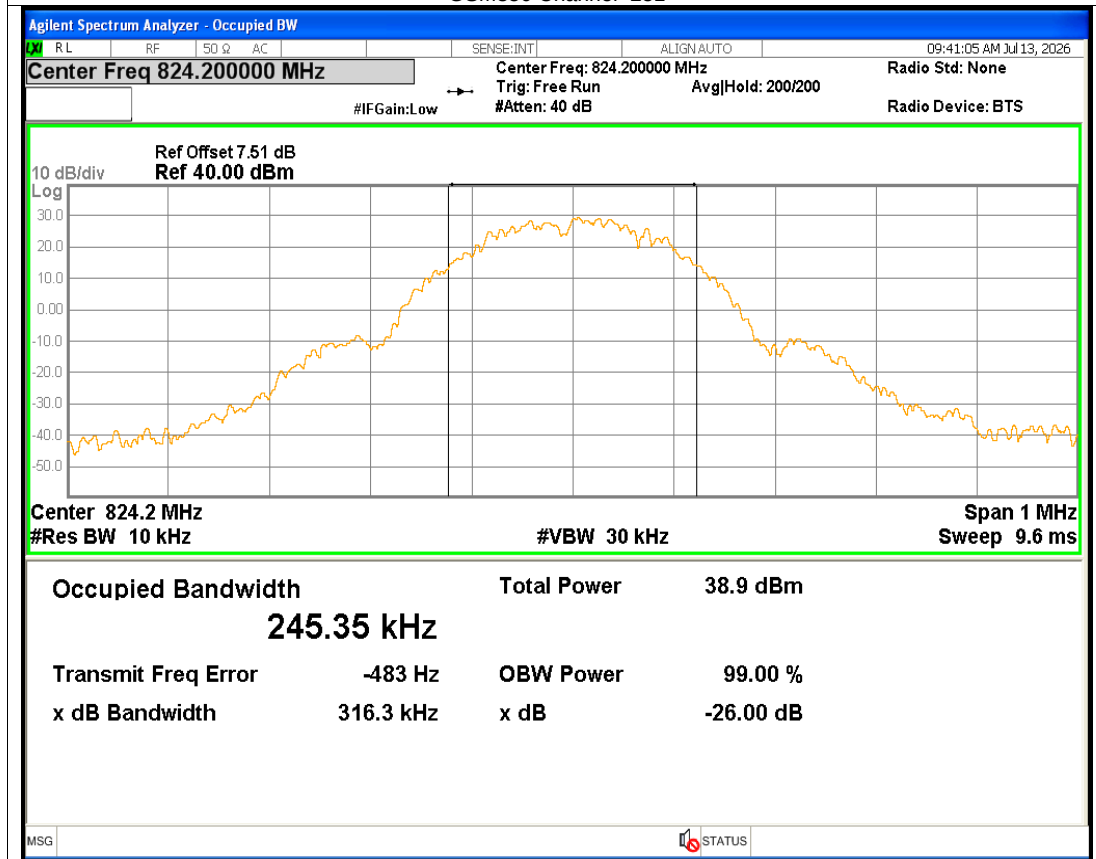
GSM850 Channel=128



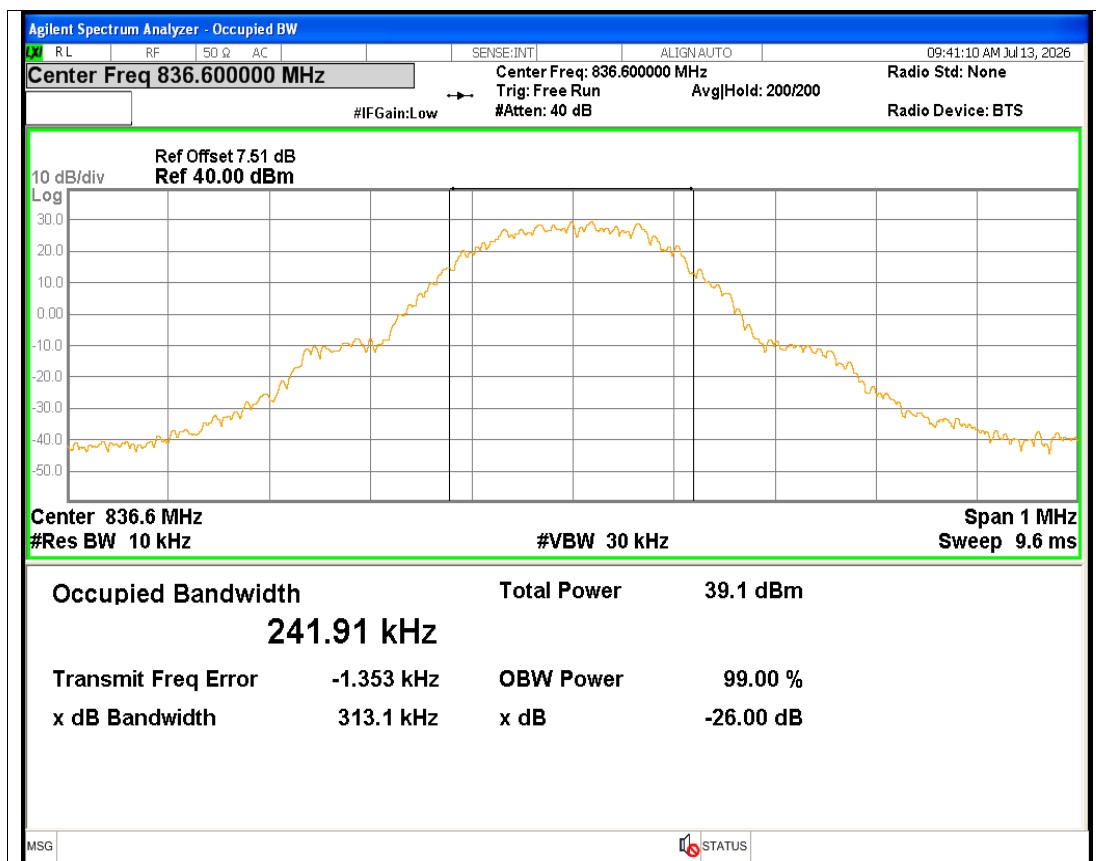
GSM850 Channel=190



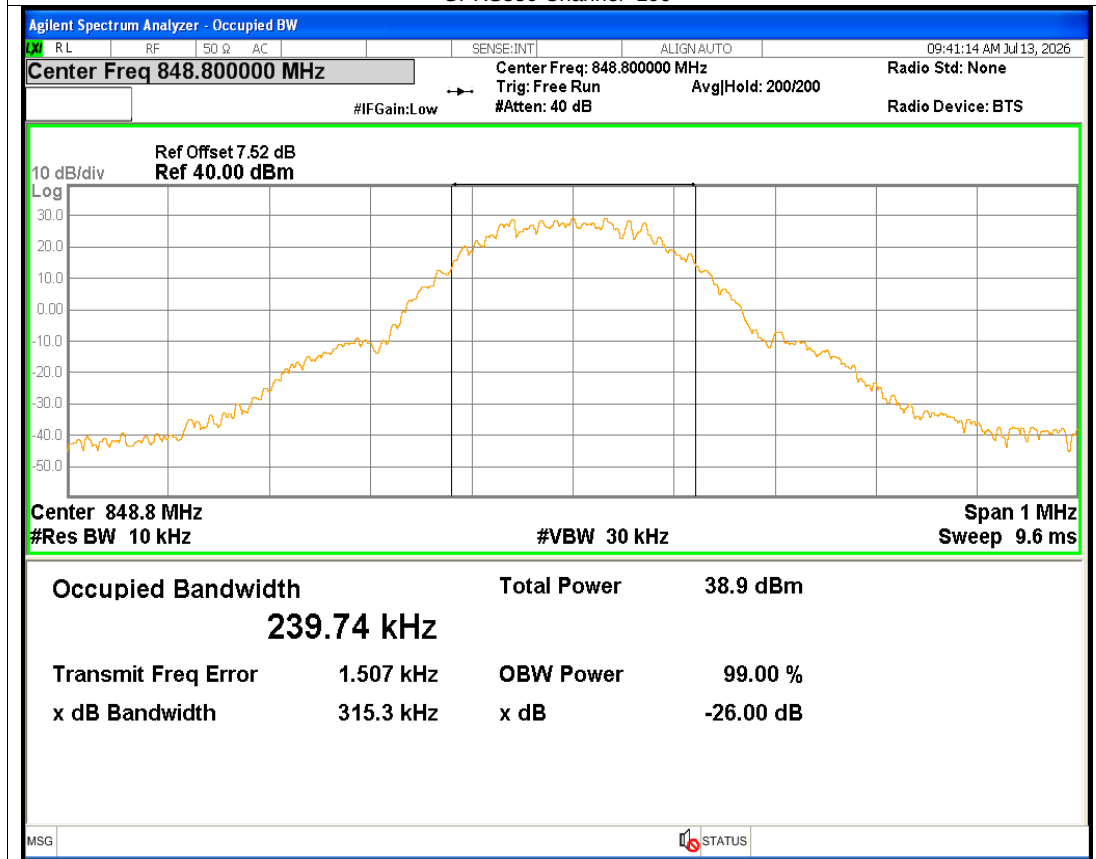
GSM850 Channel=251



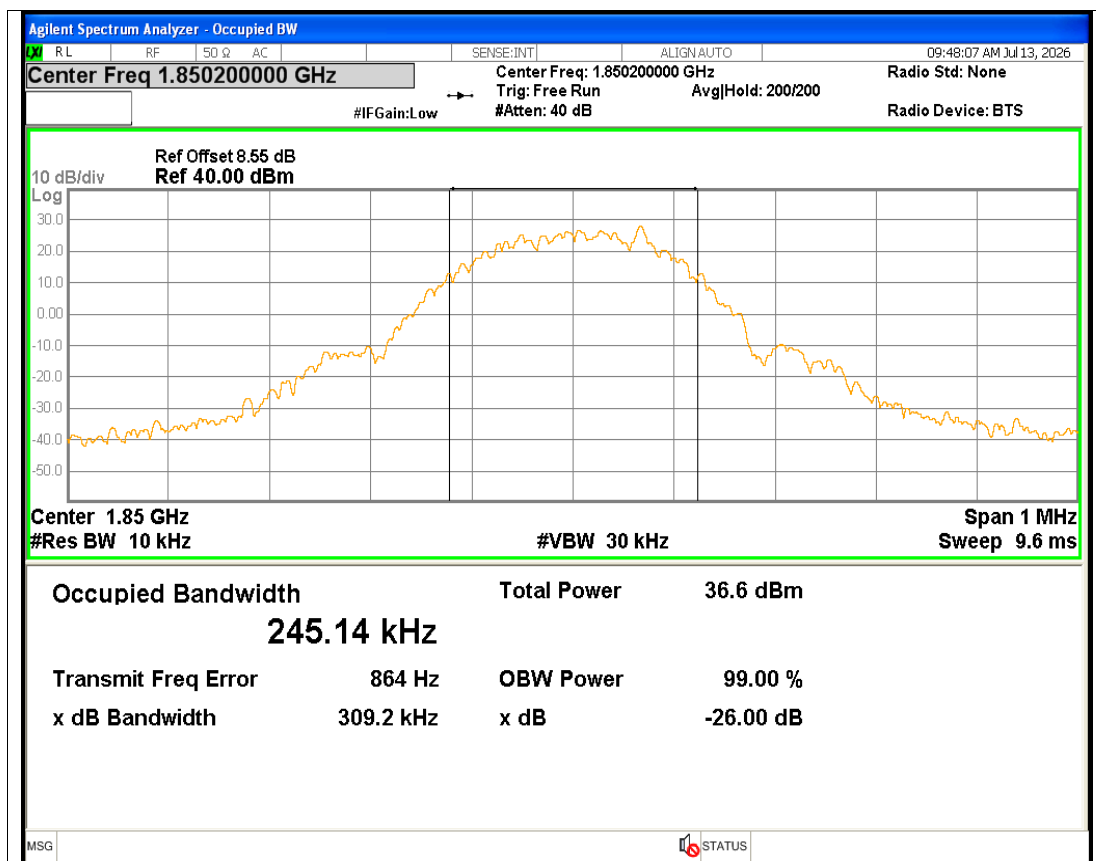
GPRS850 Channel=128



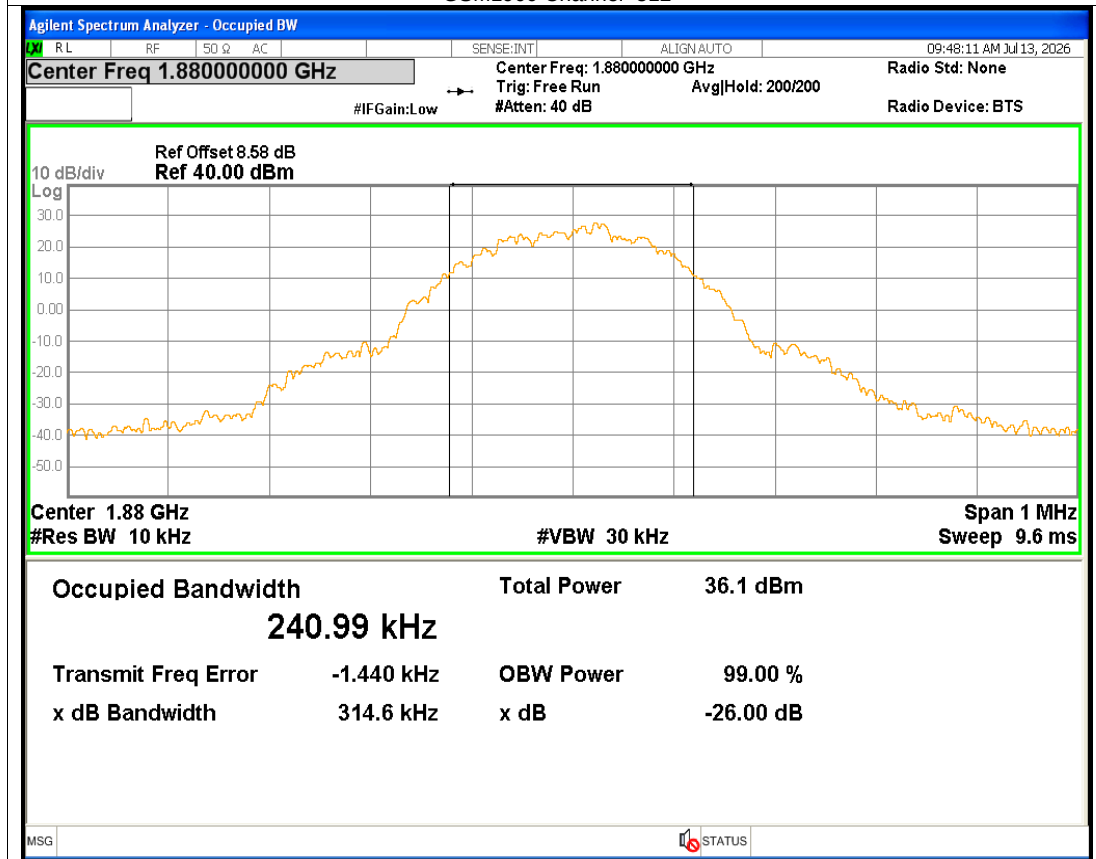
GPRS850 Channel=190



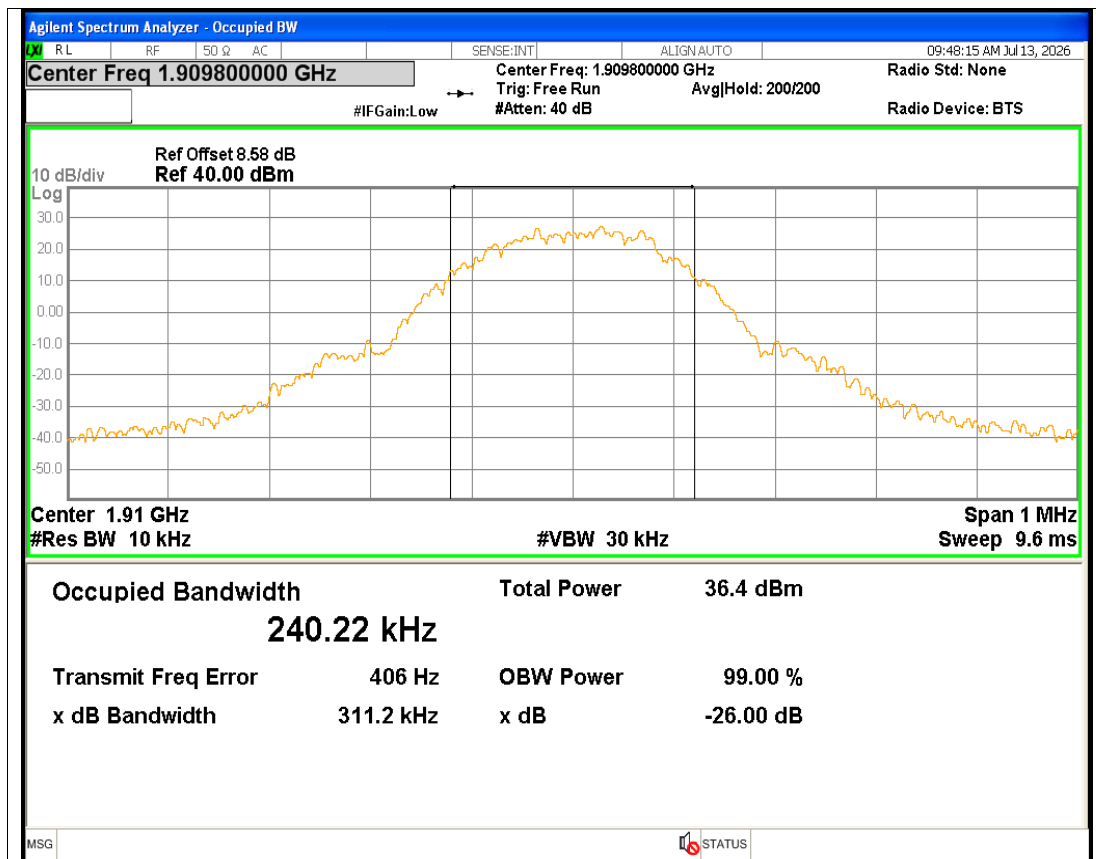
GPRS850 Channel=251



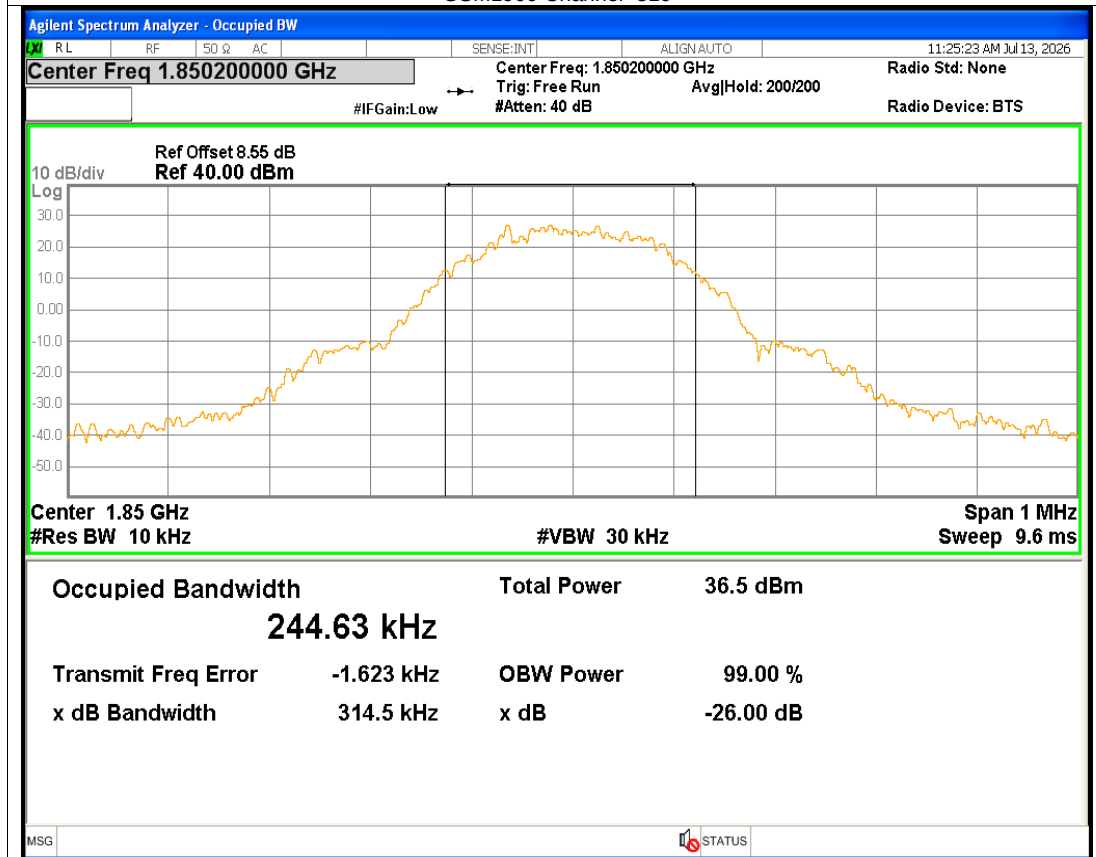
GSM1900 Channel=512



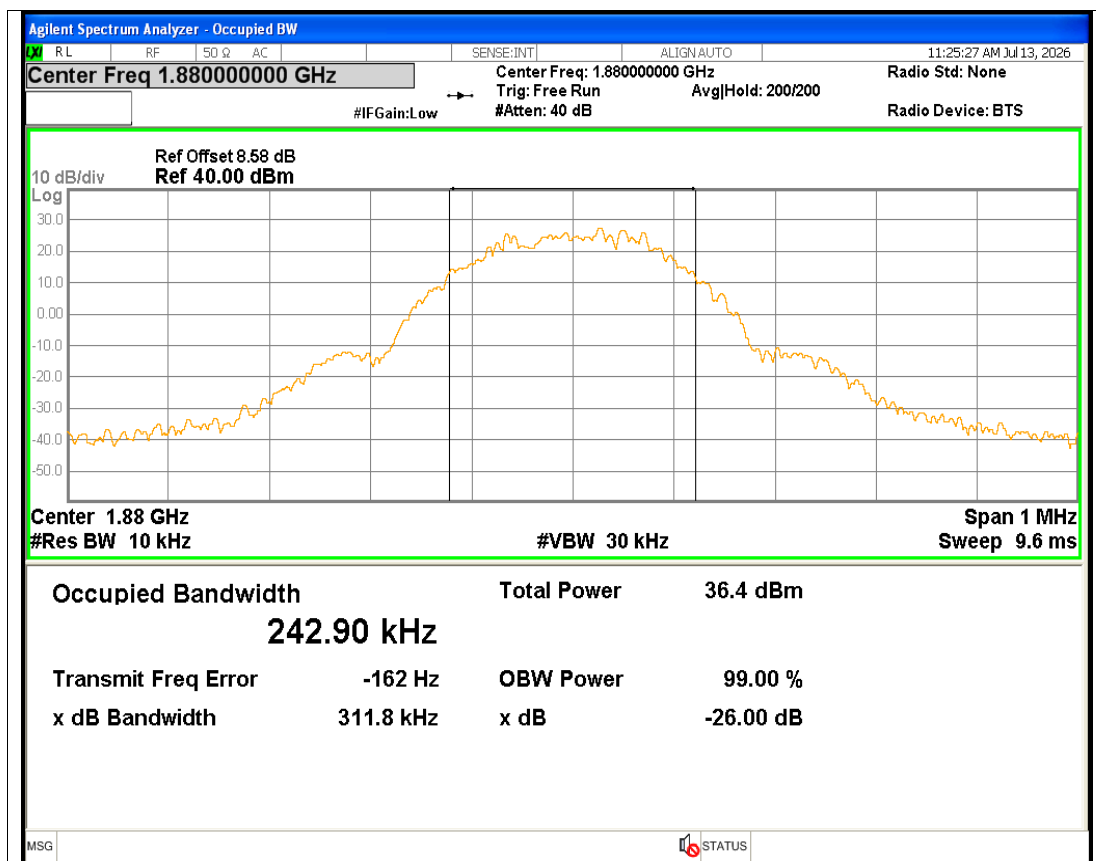
GSM1900 Channel=661



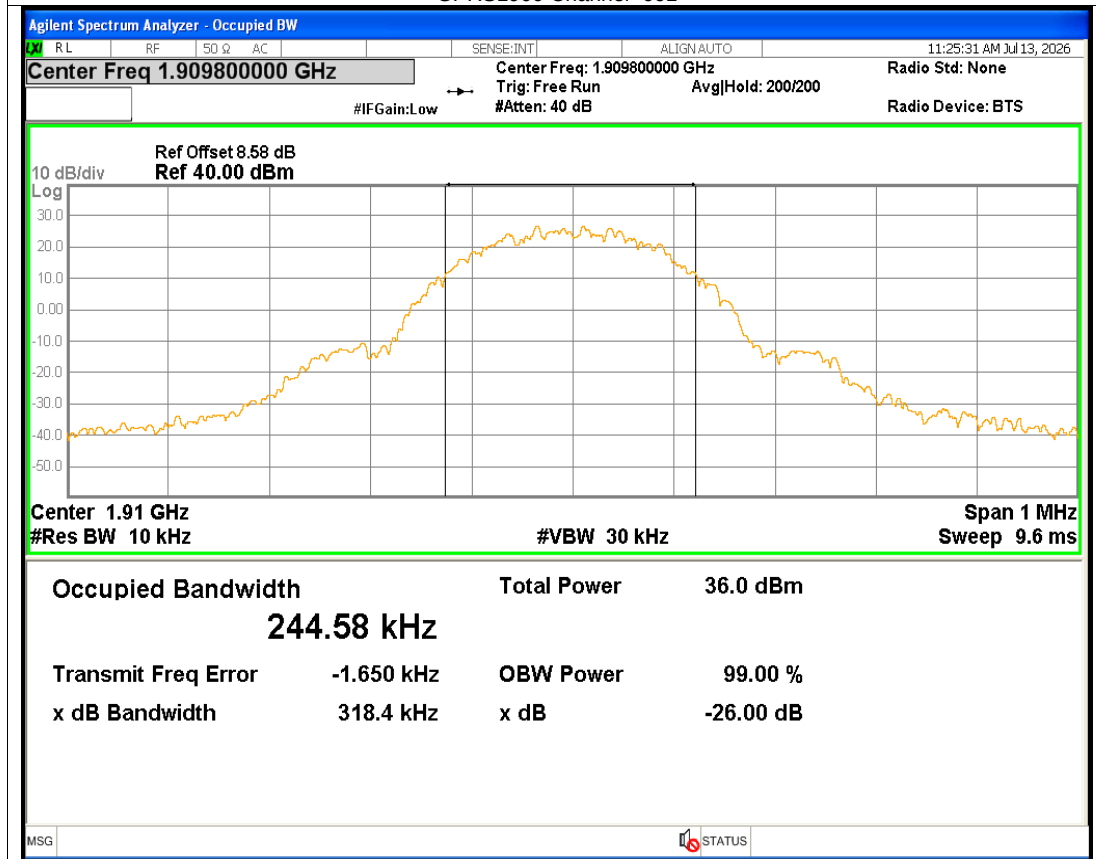
GSM1900 Channel=810



GPRS1900 Channel=512



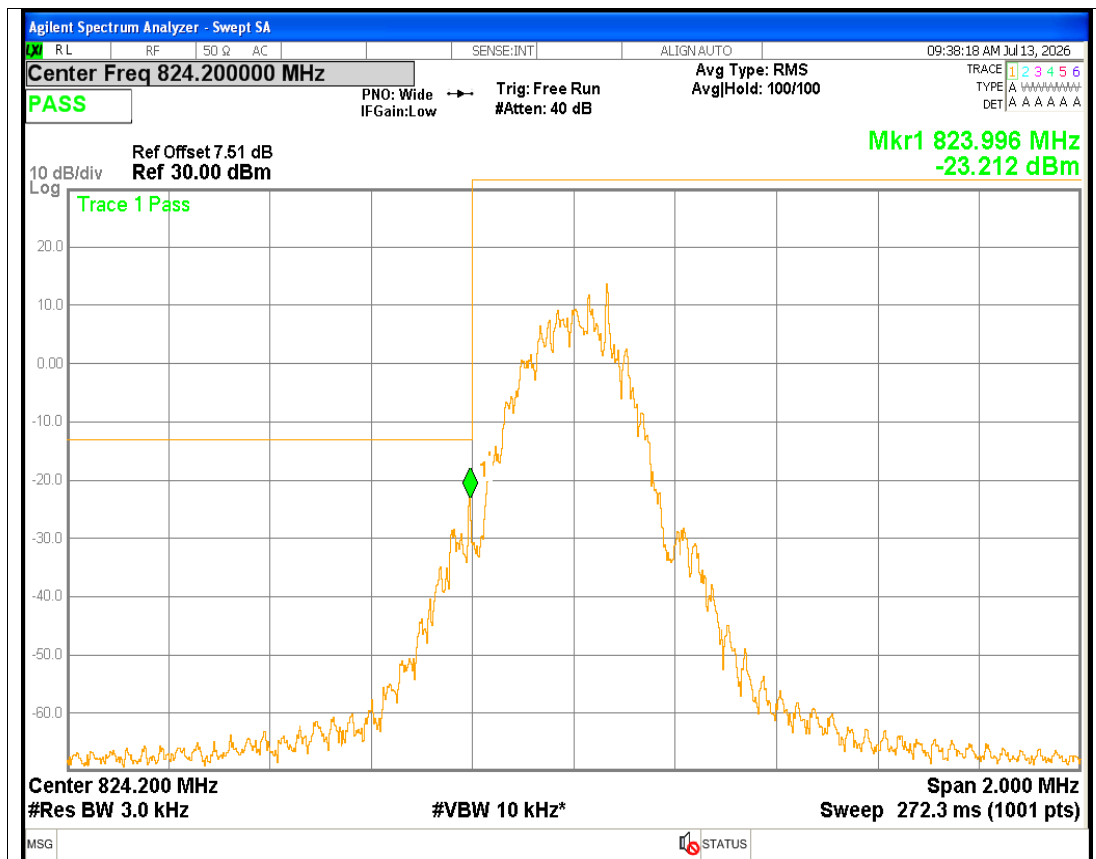
GPRS1900 Channel=661



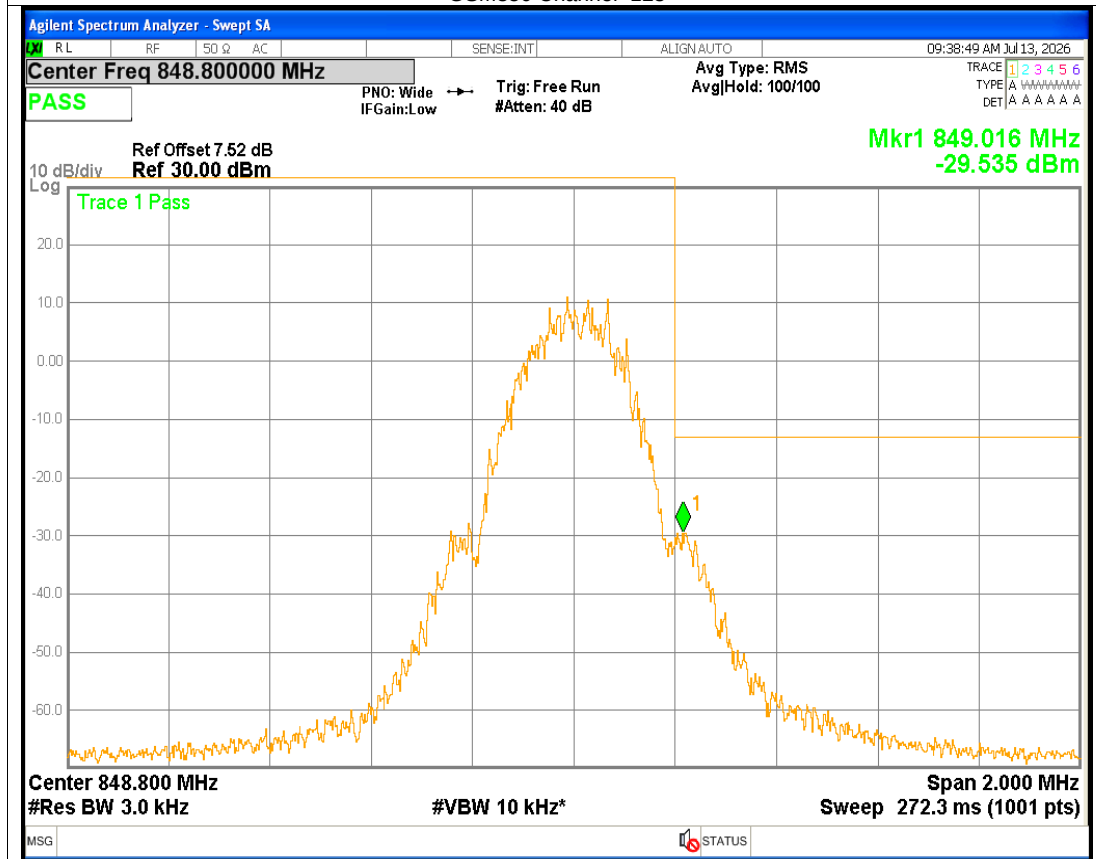
GPRS1900 Channel=810

05 GSM BAND EDGE

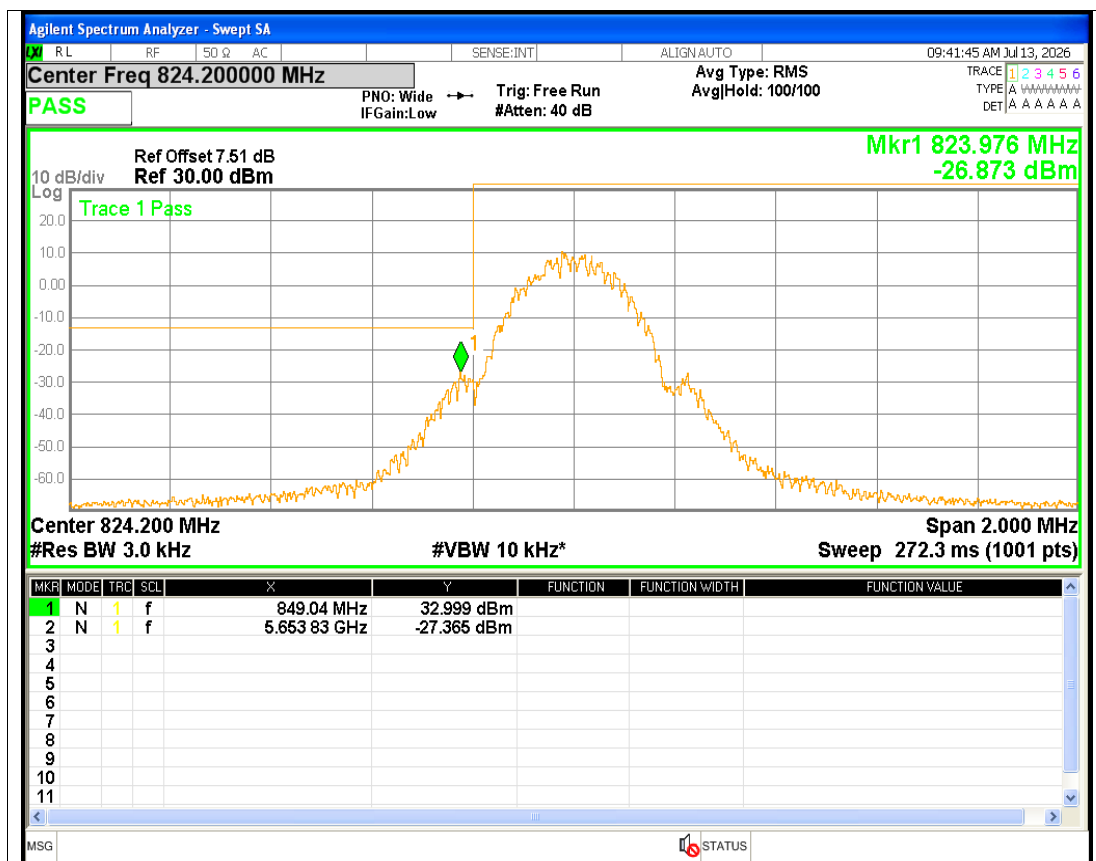
Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GSM850	128	824.2	824.00	-23.21	-13	PASS
GSM850	251	848.8	849.02	-29.53	-13	PASS
GPRS850	128	824.2	823.98	-26.87	-13	PASS
GPRS850	251	848.8	849.02	-28.75	-13	PASS
GSM1900	512	1850.2	1850.00	-28.72	-13	PASS
GSM1900	810	1909.8	1910.02	-28.34	-13	PASS
GPRS1900	512	1850.2	1849.98	-27.86	-13	PASS
GPRS1900	810	1909.8	1910.02	-31.03	-13	PASS



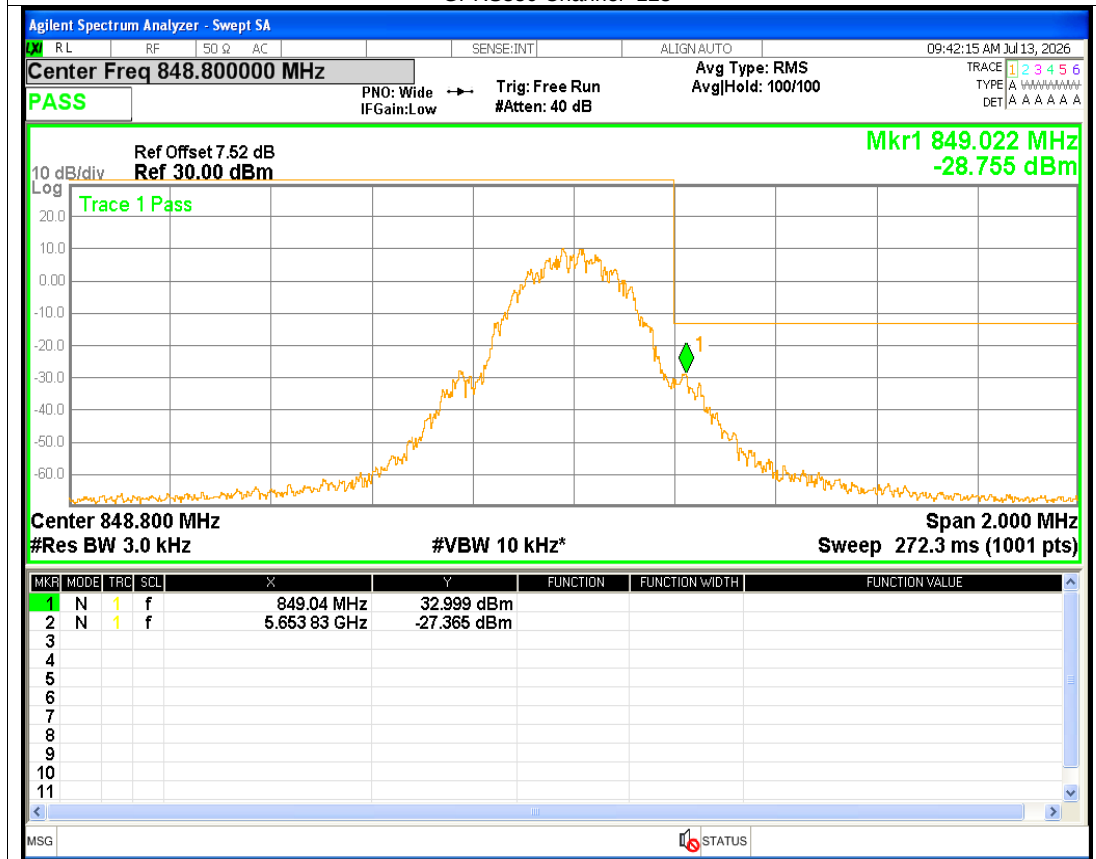
GSM850 Channel=128



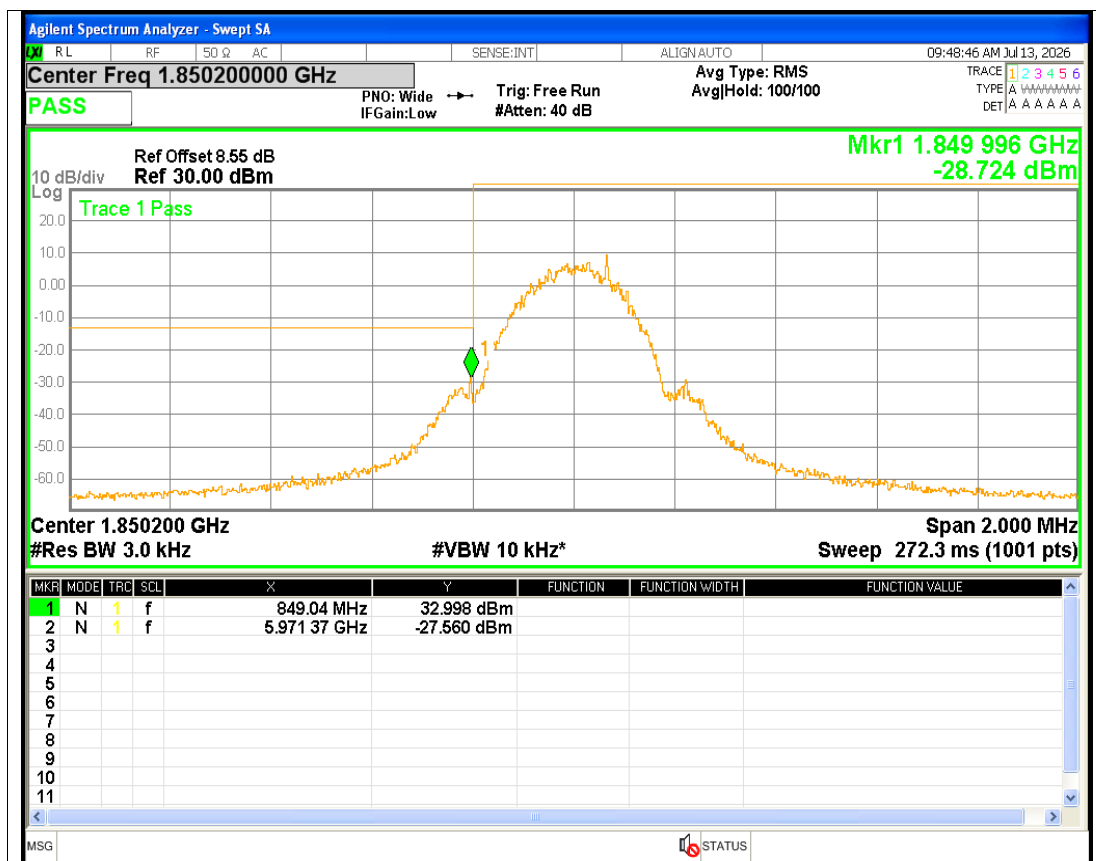
GSM850 Channel=251



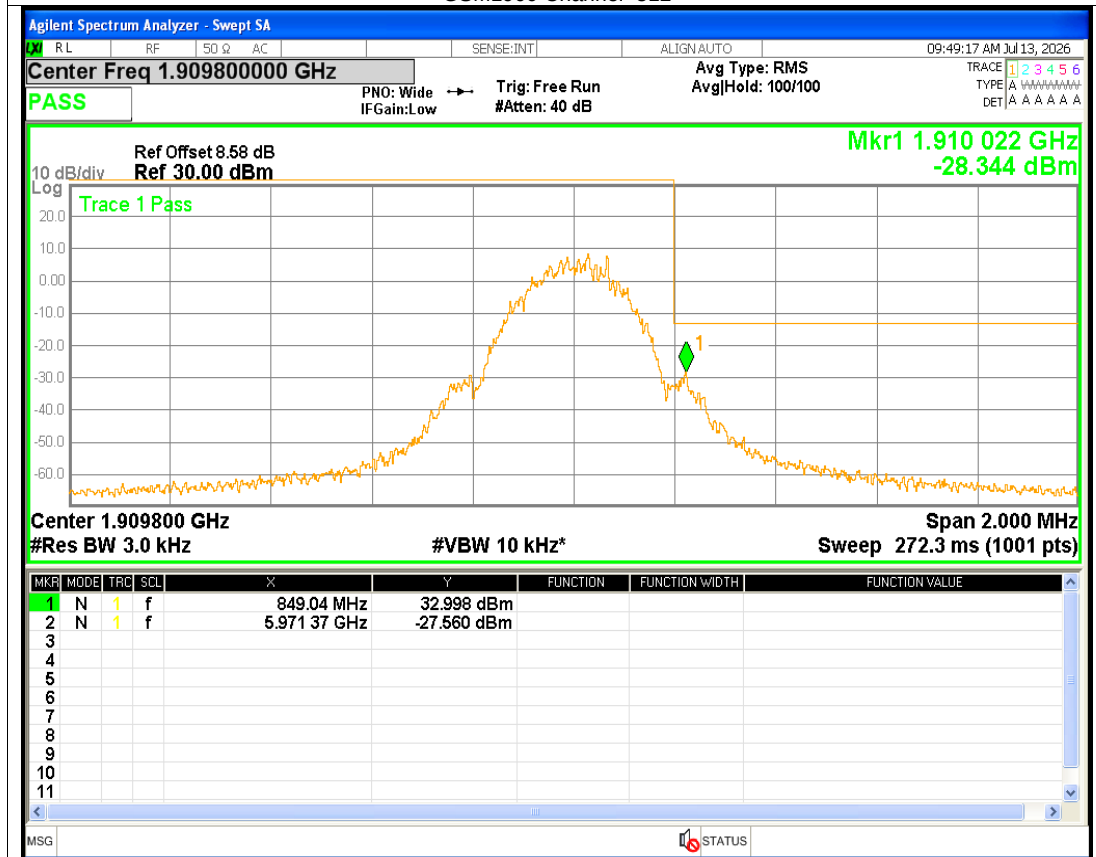
GPRS850 Channel=128



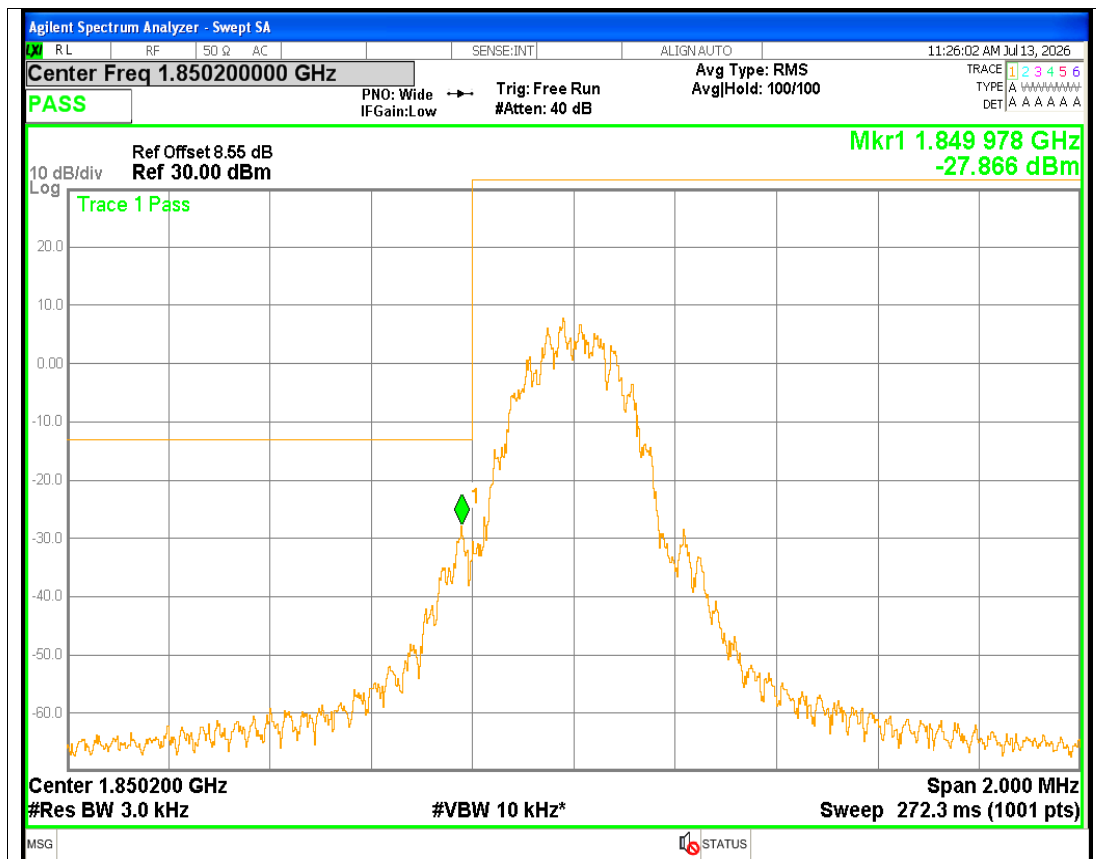
GPRS850 Channel=251



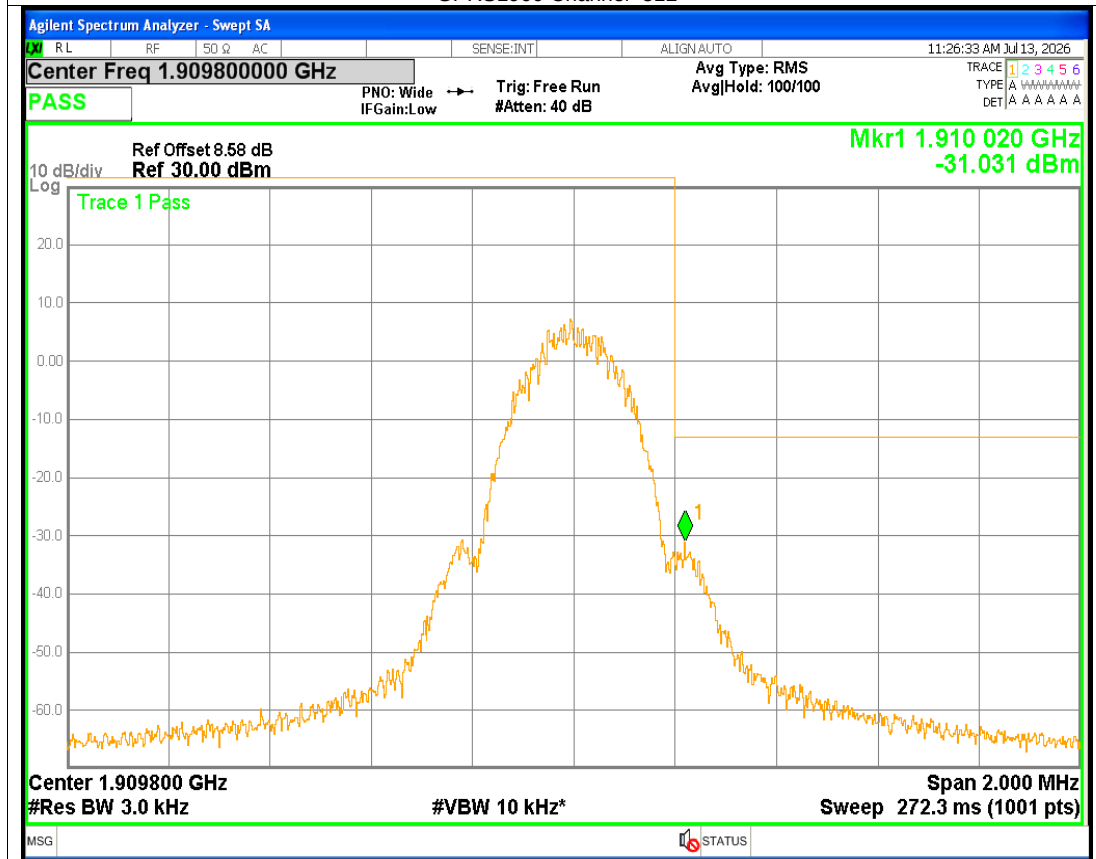
GSM1900 Channel=512



GSM1900 Channel=810



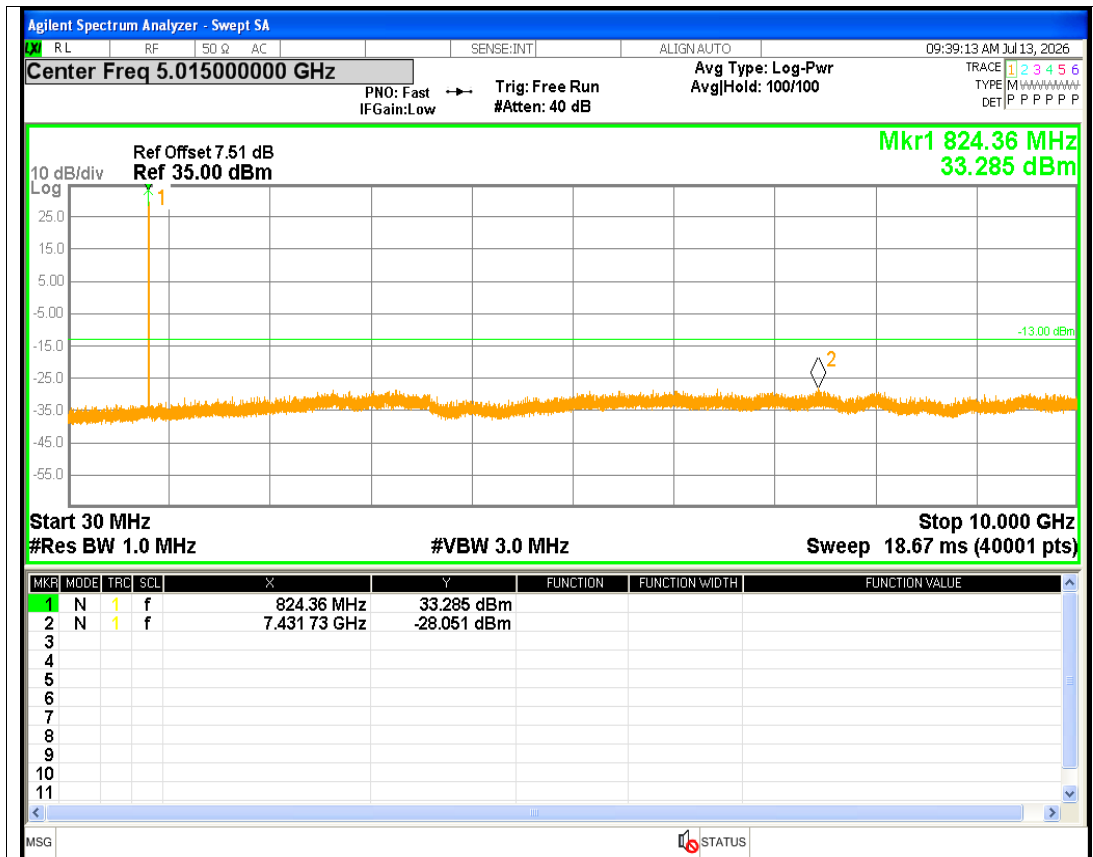
GPRS1900 Channel=512



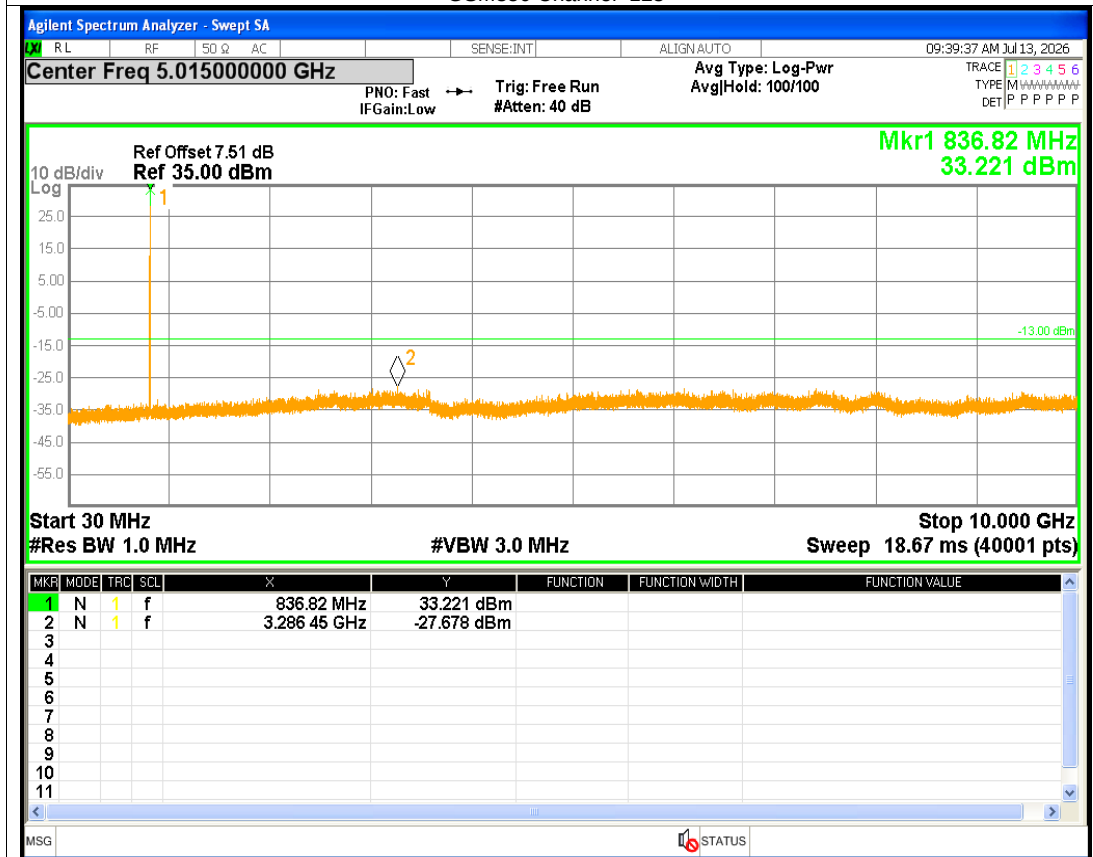
GPRS1900 Channel=810

06 GSM OUT-OF-BAND EMISSIONS

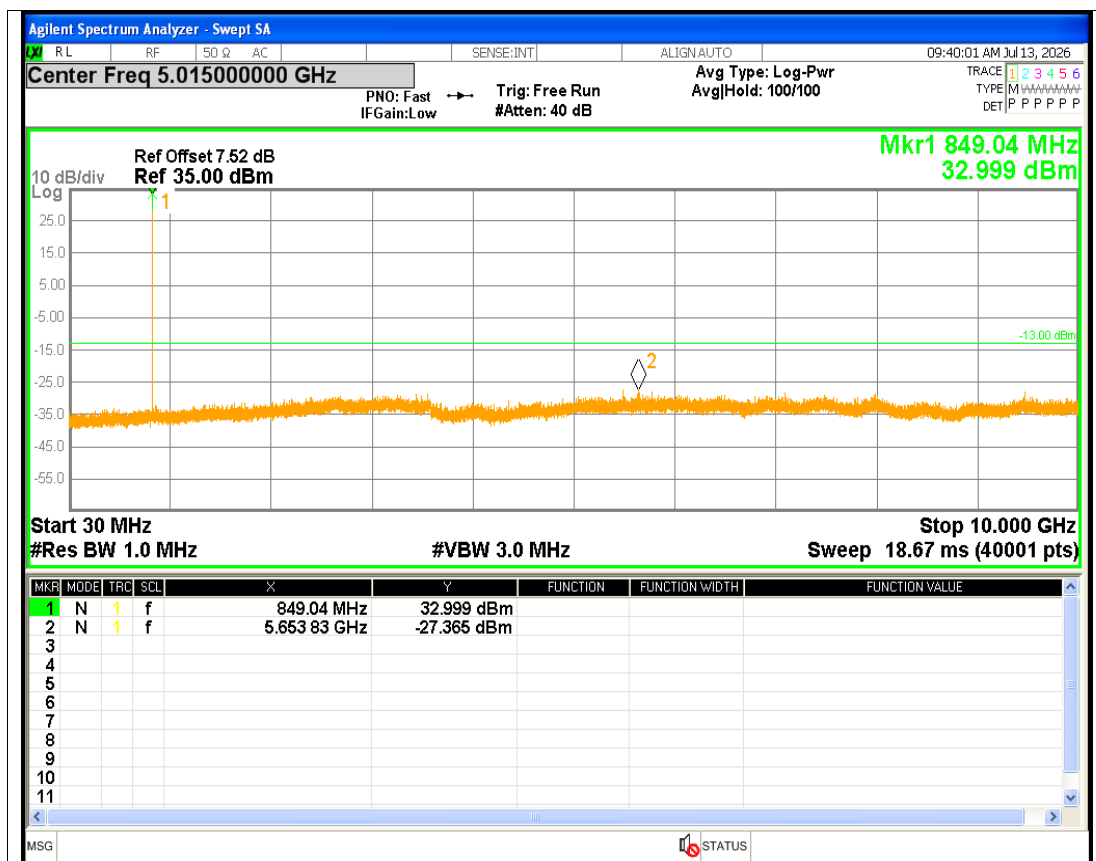
Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GSM850	128	824.2	7431.73	-28.05	-13	PASS
GSM850	190	836.6	3286.45	-27.67	-13	PASS
GSM850	251	848.8	5653.83	-27.36	-13	PASS
GPRS850	128	824.2	6964.88	-28.57	-13	PASS
GPRS850	190	836.6	2681.52	-28.49	-13	PASS
GPRS850	251	848.8	5971.37	-27.55	-13	PASS
GSM1900	512	1850.2	16535.70	-20.75	-13	PASS
GSM1900	661	1880	18692.96	-22.41	-13	PASS
GSM1900	810	1909.8	16514.24	-22.23	-13	PASS
GPRS1900	512	1850.2	16558.17	-21.94	-13	PASS
GPRS1900	661	1880	17022.47	-21.49	-13	PASS
GPRS1900	810	1909.8	16559.67	-22.26	-13	PASS



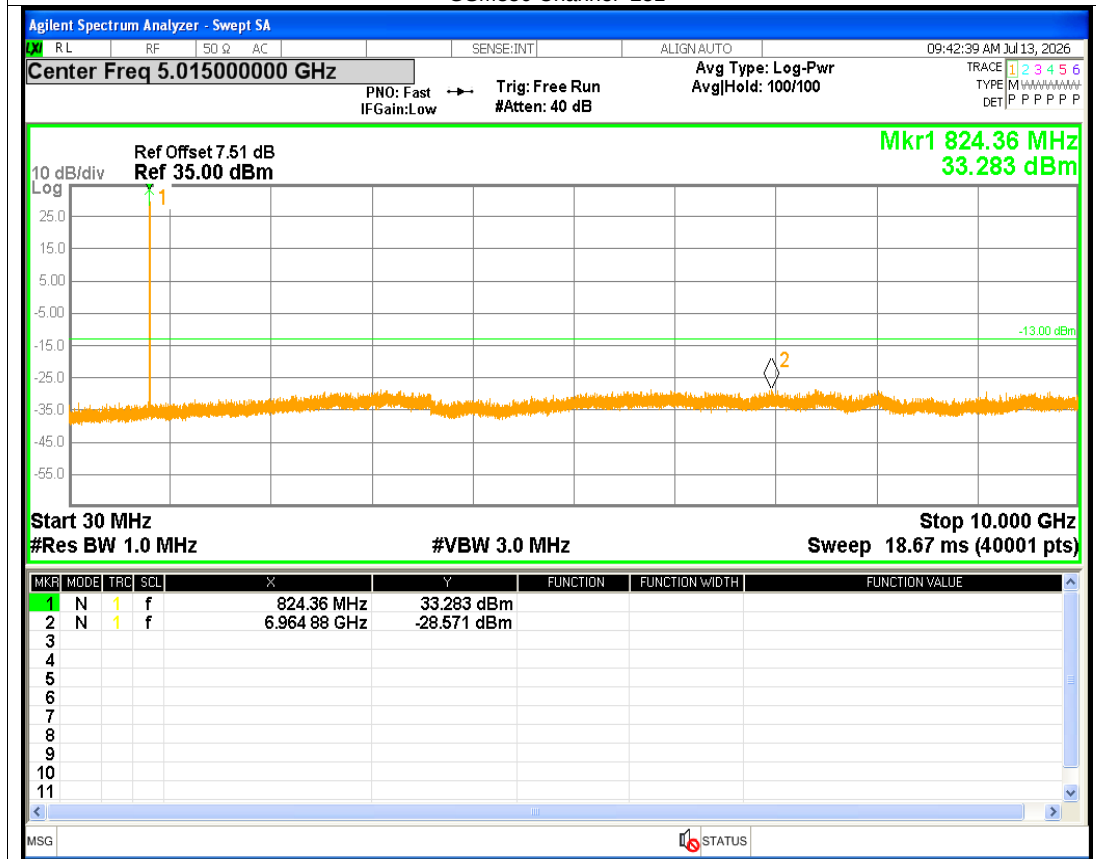
GSM850 Channel=128



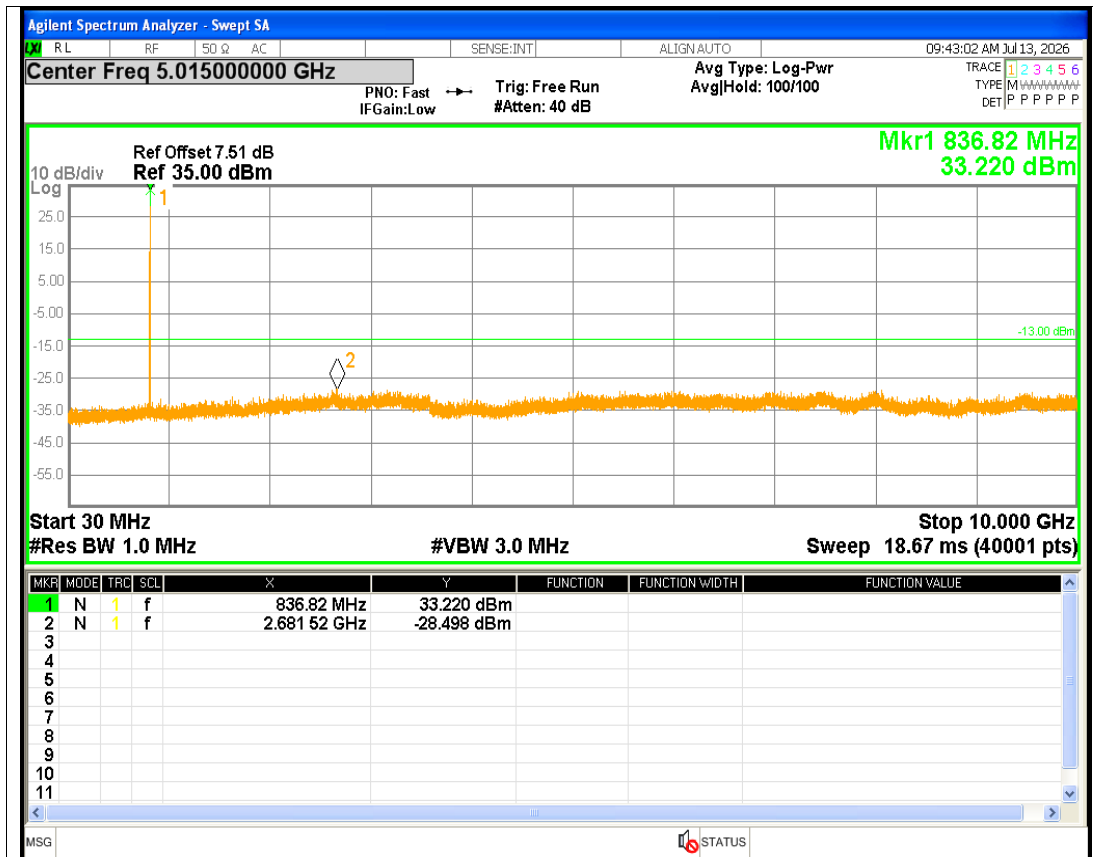
GSM850 Channel=190



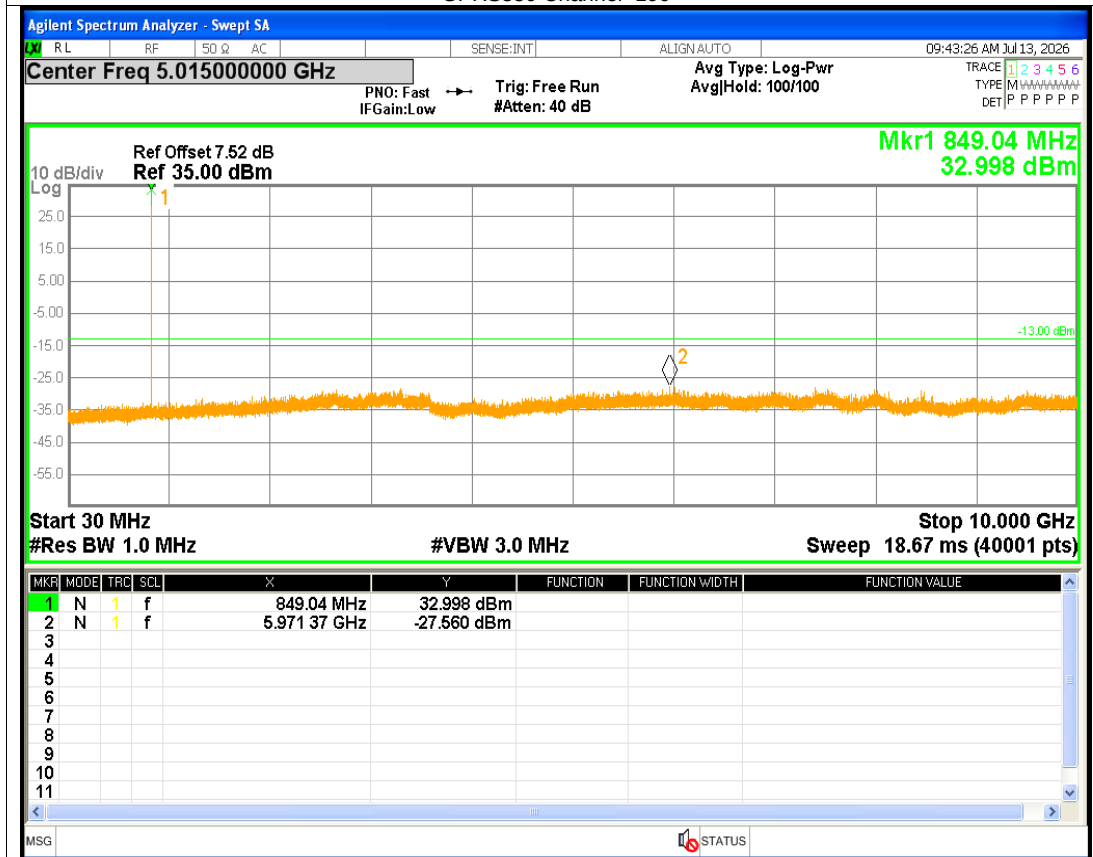
GSM850 Channel=251



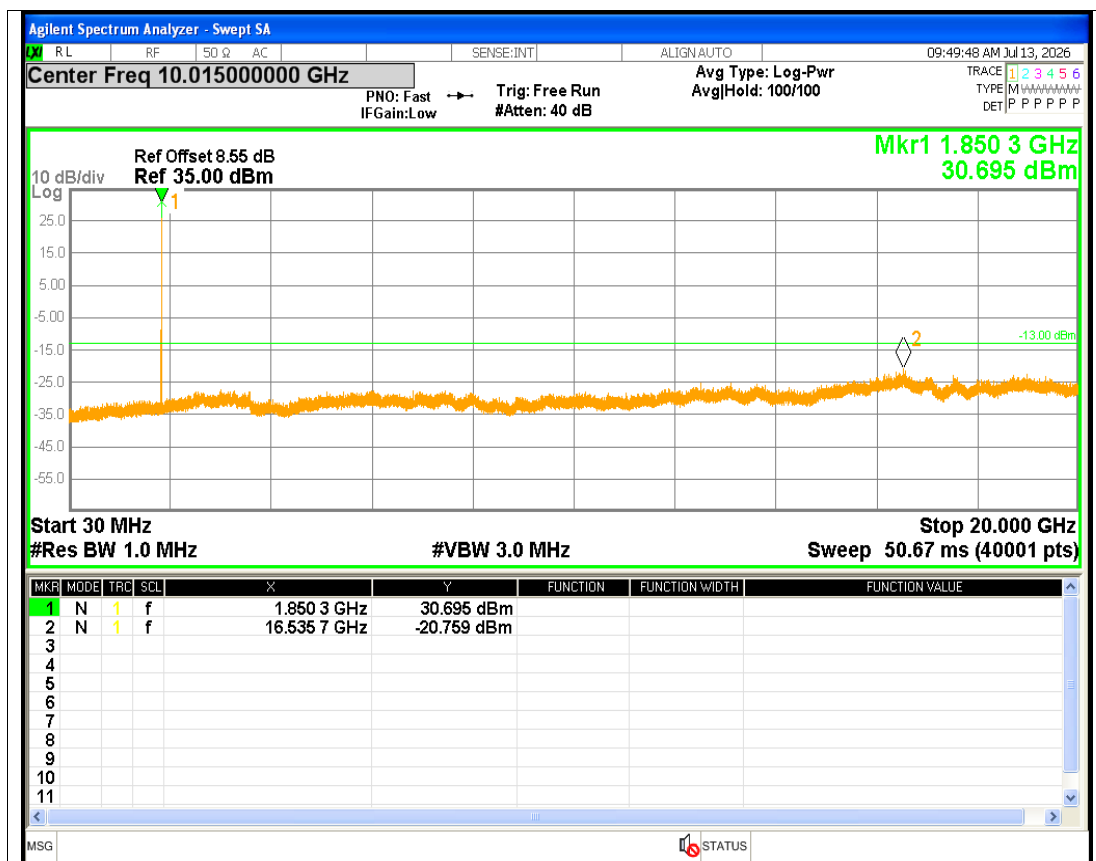
GPRS850 Channel=128



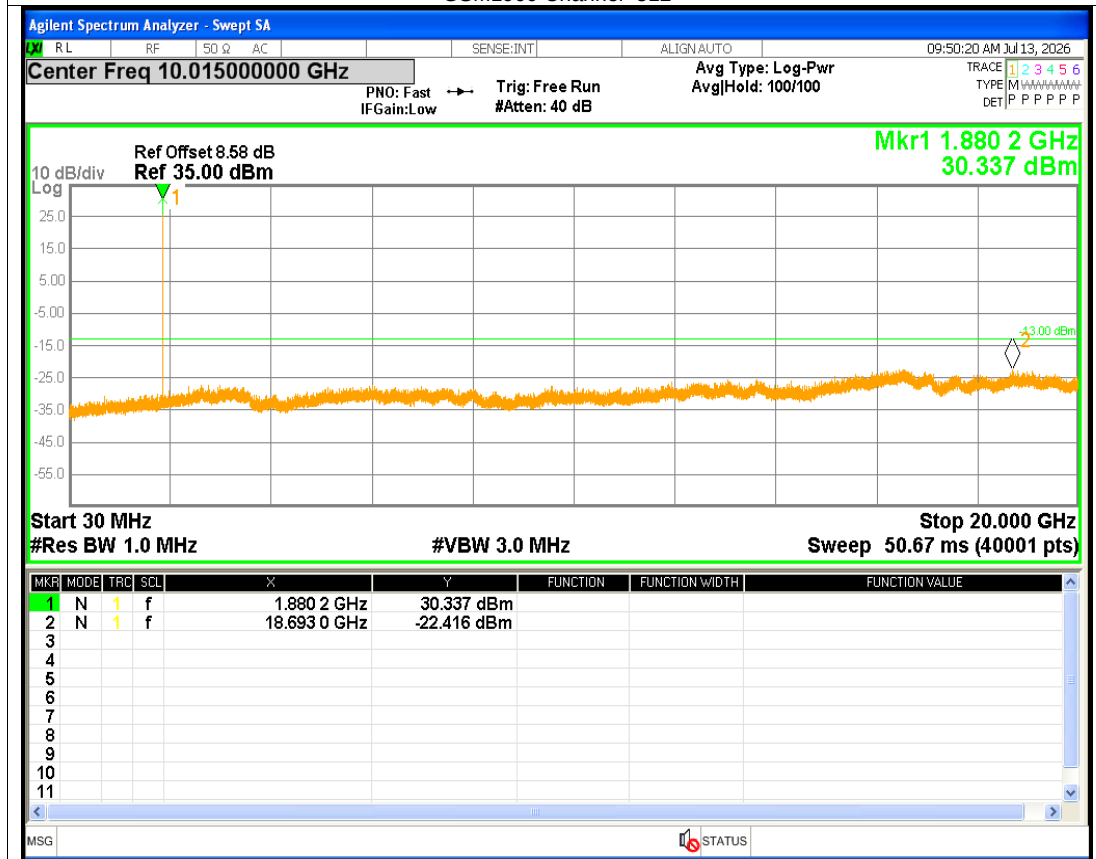
GPRS850 Channel=190



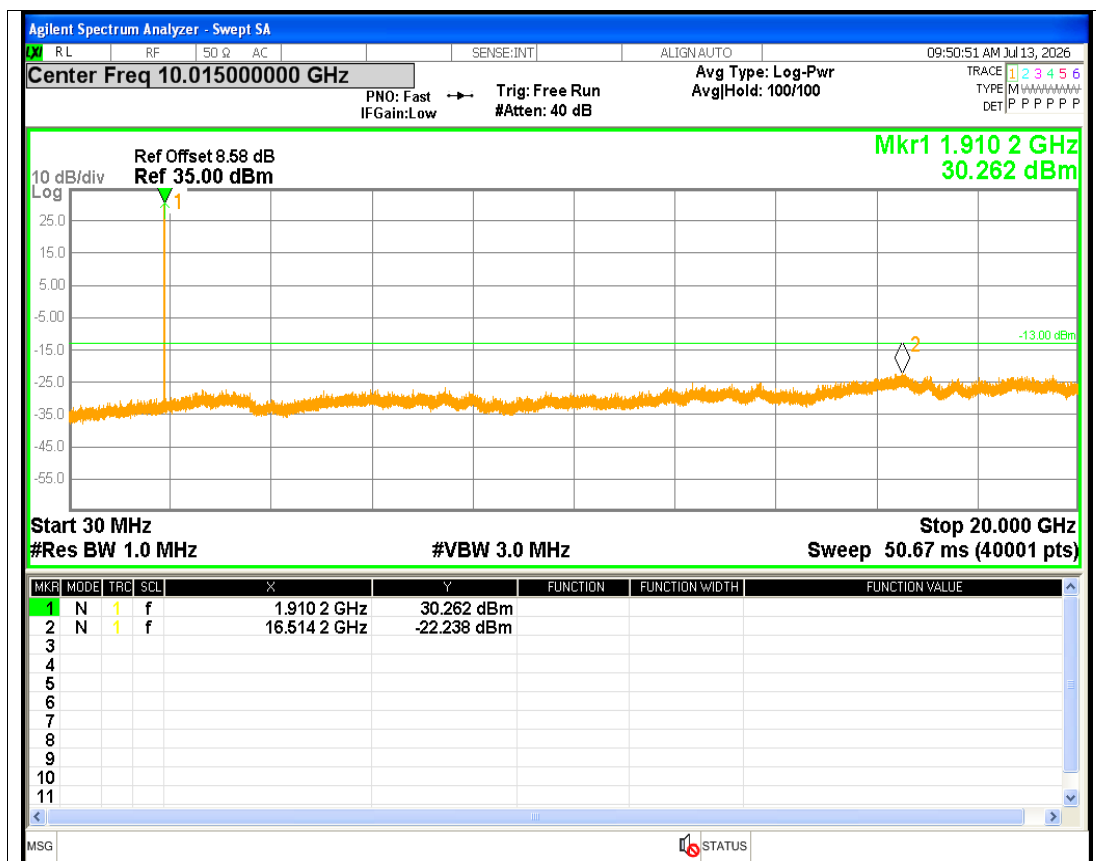
GPRS850 Channel=251



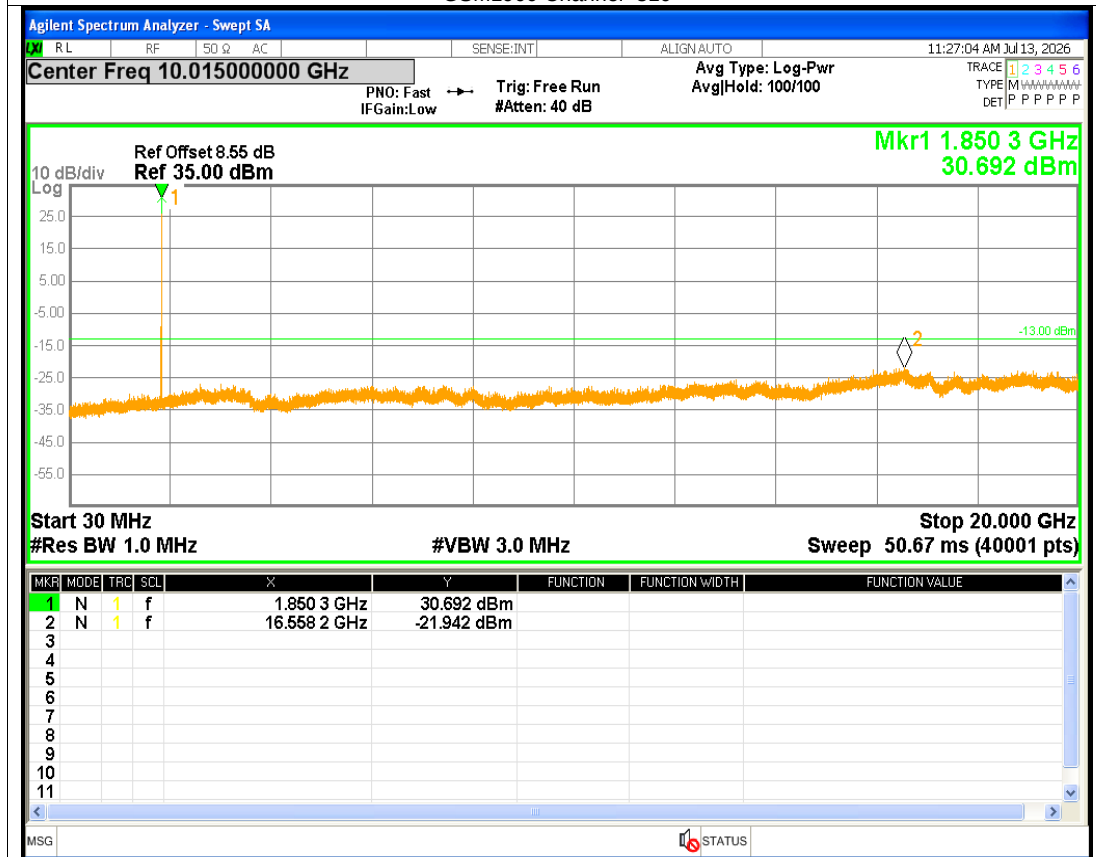
GSM1900 Channel=512



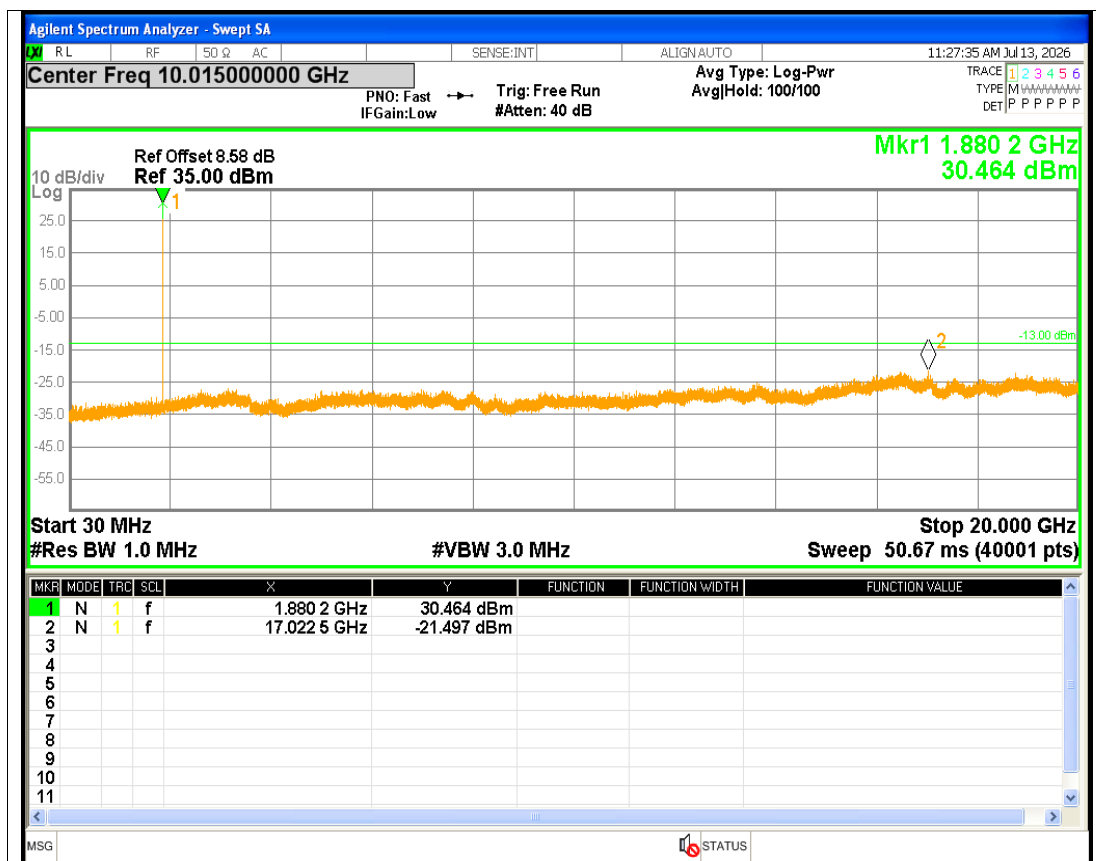
GSM1900 Channel=661



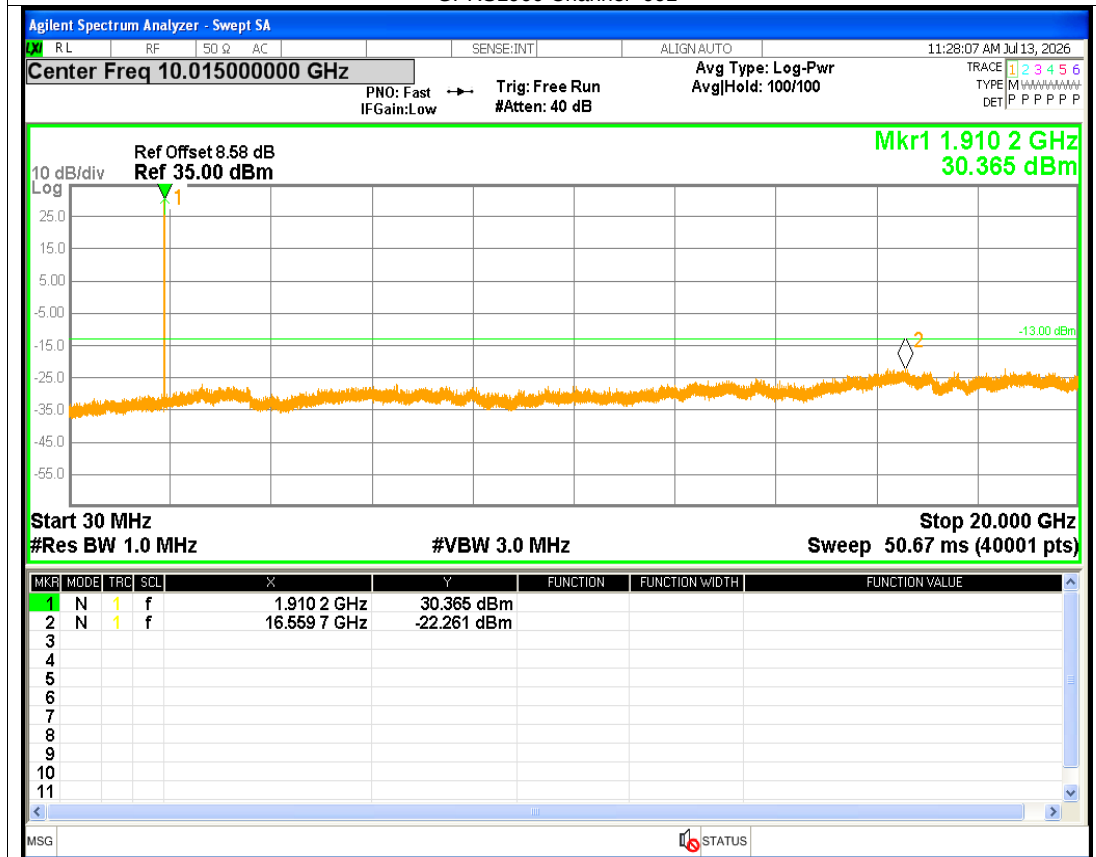
GSM1900 Channel=810



GPRS1900 Channel=512



GPRS1900 Channel=661



GPRS1900 Channel=810