

FCC Appendix RF Test Data for GSM

FCC ID : 2BG9Y-MODELXXXPXXX
Company : Hyatta Digital Technology Co., Ltd.
EUT : Portable Data Terminal
Model Number : Model 7
Report No. : CTA26052902001
Reviewed By : Eric Wang

19 GSM Emission Designator

Band	Emission Designator (99%OBW)
EGPRS1900	253KG7W
GPRS1900	246KGXW
GSM1900	247KGXW
EGPRS850	264KG7W
GPRS850	250KGXW
GSM850	256KGXW

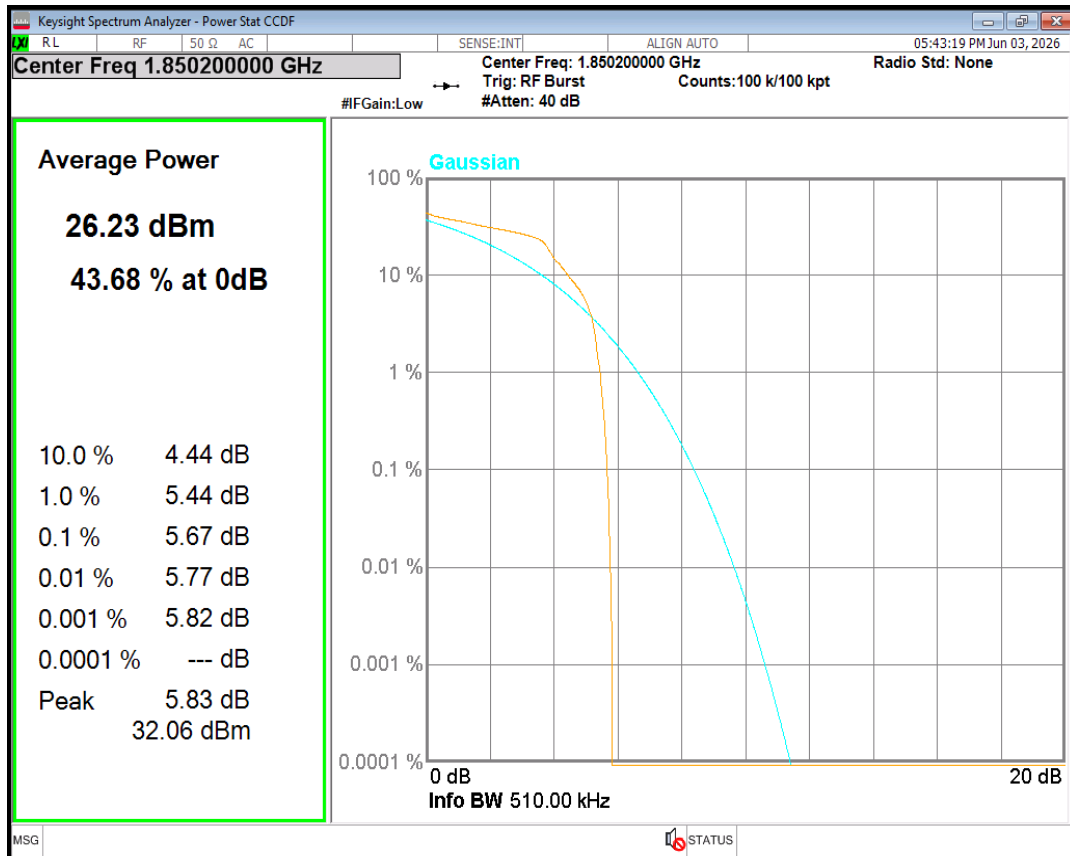
13 Conducted output power

Band	Channel	Frequency (MHz)	Power (dBm)	Verdict
EGPRS1900 1 Slot	512	1850.2	27.52	PASS
EGPRS1900 1 Slot	661	1880	27.49	PASS
EGPRS1900 1 Slot	810	1909.8	27.51	PASS
EGPRS1900 2 Slot	512	1850.2	27.01	PASS
EGPRS1900 2 Slot	661	1880	27.01	PASS
EGPRS1900 2 Slot	810	1909.8	26.10	PASS
EGPRS1900 3 Slot	512	1850.2	25.21	PASS
EGPRS1900 3 Slot	661	1880	24.98	PASS
EGPRS1900 3 Slot	810	1909.8	24.34	PASS
EGPRS1900 4 Slot	512	1850.2	23.83	PASS
EGPRS1900 4 Slot	661	1880	23.65	PASS
EGPRS1900 4 Slot	810	1909.8	22.87	PASS
Band	Channel	Frequency (MHz)	Power (dBm)	Verdict
EGPRS850 1 Slot	128	824.2	31.10	PASS
EGPRS850 1 Slot	190	836.6	31.21	PASS
EGPRS850 1 Slot	251	848.8	30.71	PASS
EGPRS850 2 Slot	128	824.2	30.42	PASS
EGPRS850 2 Slot	190	836.6	30.69	PASS
EGPRS850 2 Slot	251	848.8	30.04	PASS
EGPRS850 3 Slot	128	824.2	28.67	PASS
EGPRS850 3 Slot	190	836.6	28.61	PASS
EGPRS850 3 Slot	251	848.8	28.01	PASS
EGPRS850 4 Slot	128	824.2	27.89	PASS
EGPRS850 4 Slot	190	836.6	27.69	PASS
EGPRS850 4 Slot	251	848.8	27.39	PASS

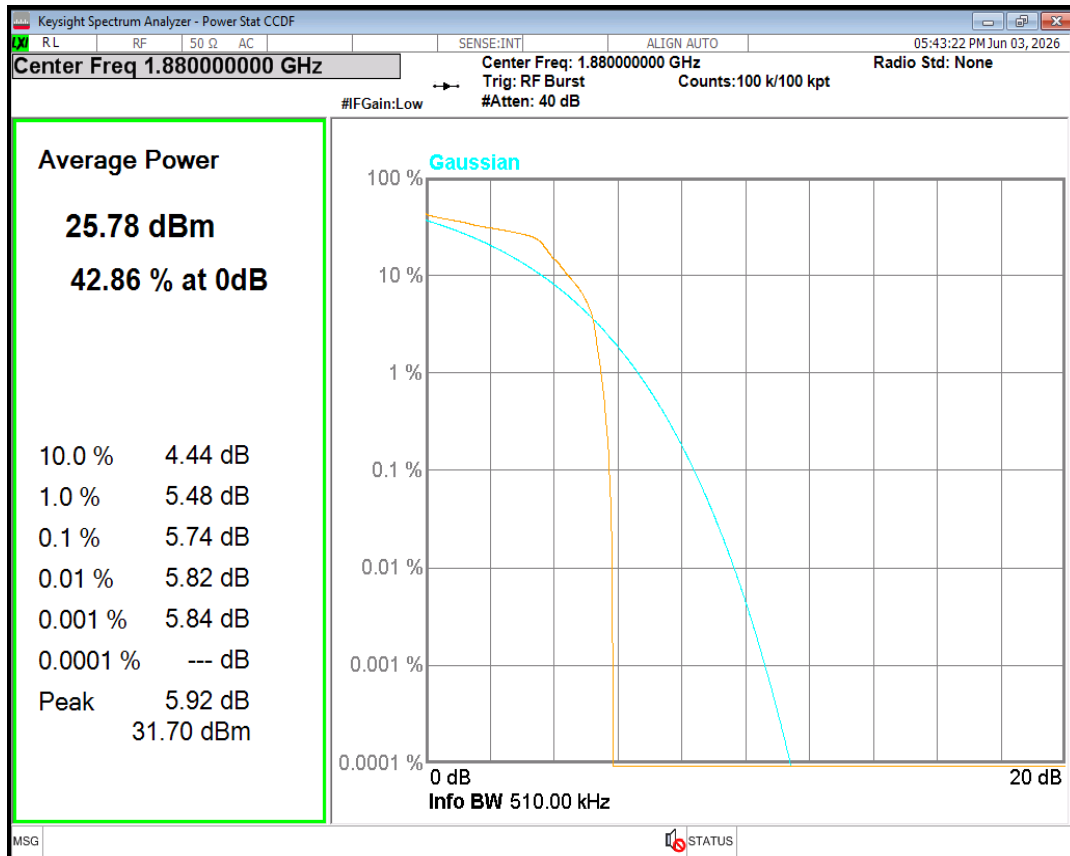
15 Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
EGPRS1900	512	1850.2	5.668	13.00	PASS
EGPRS1900	661	1880	5.74	13.00	PASS
EGPRS1900	810	1909.8	5.831	13.00	PASS
EGPRS850	128	824.2	4.928529412	13.00	PASS
EGPRS850	190	836.6	5	13.00	PASS
EGPRS850	251	848.8	5.086666667	13.00	PASS

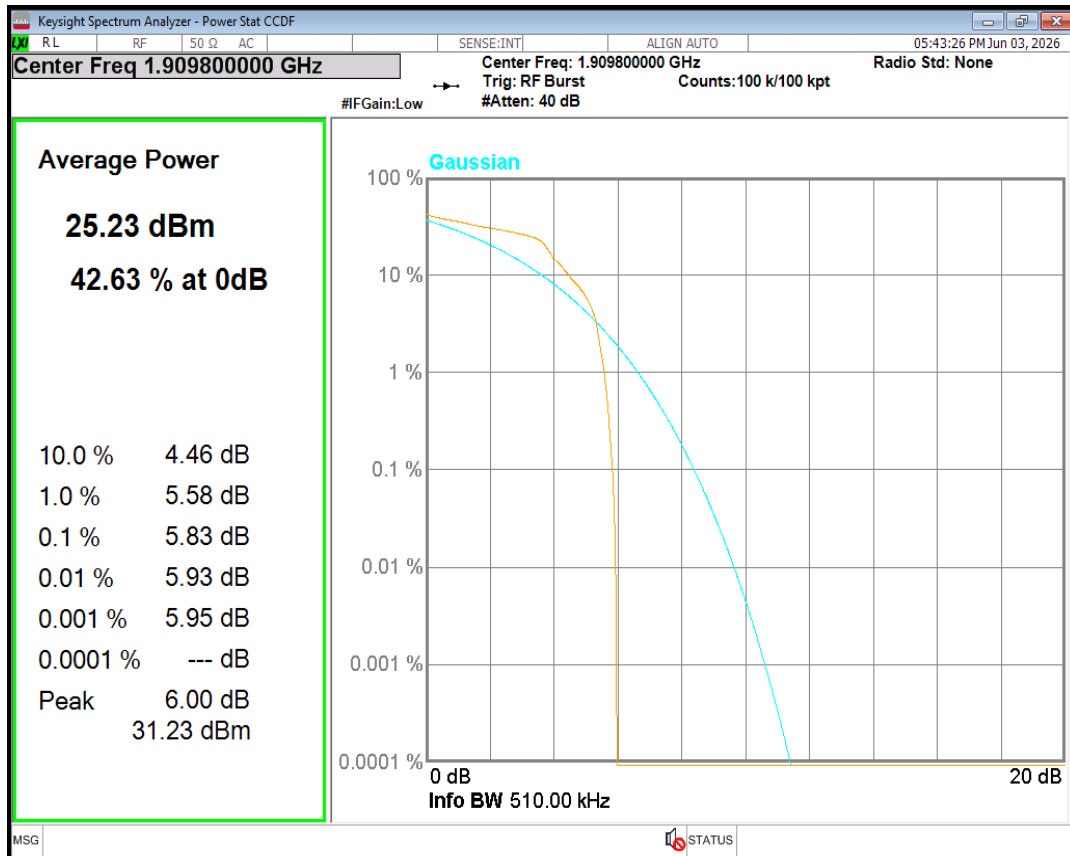
EGPRS1900 Channel=512



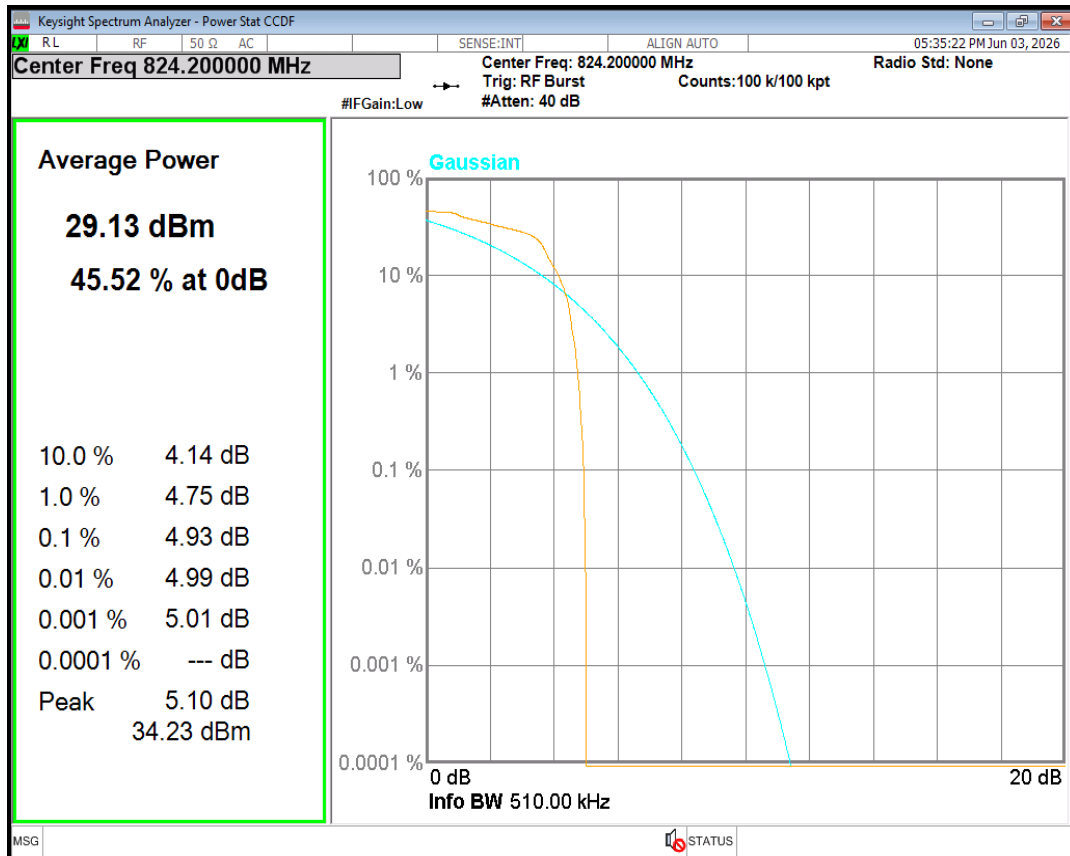
EGPRS1900 Channel=661



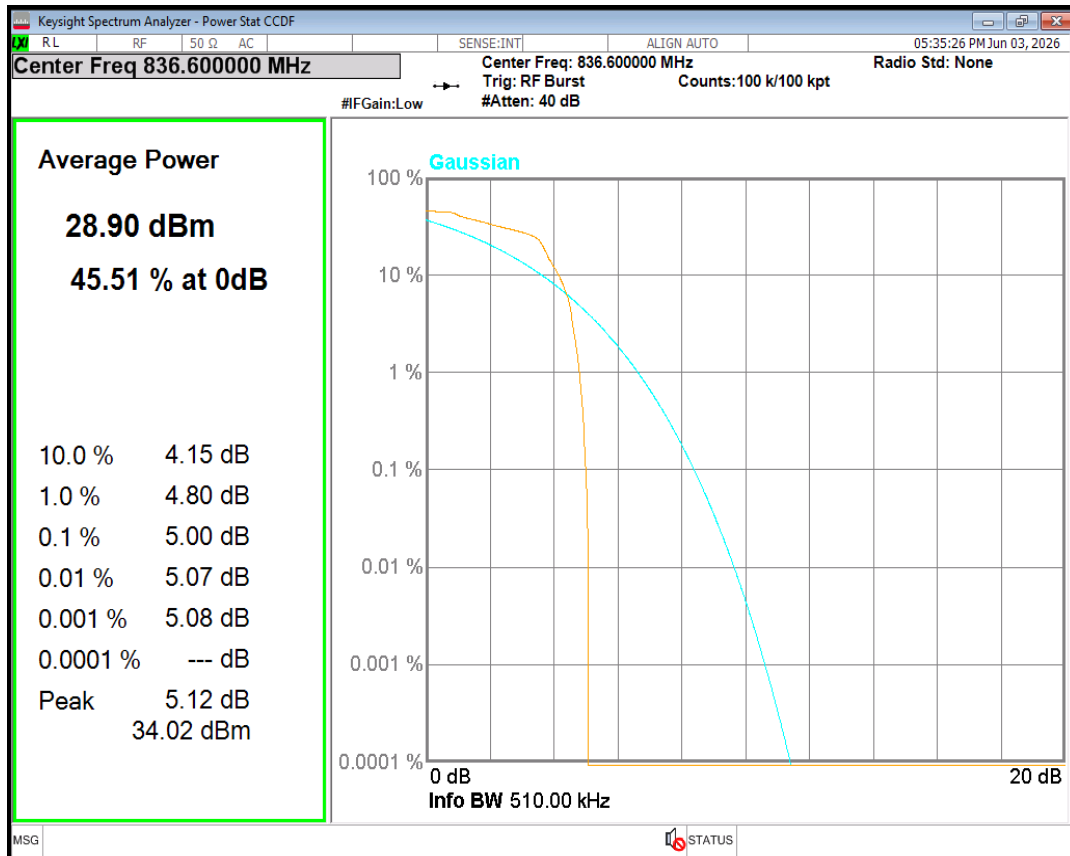
EGPRS1900 Channel=810



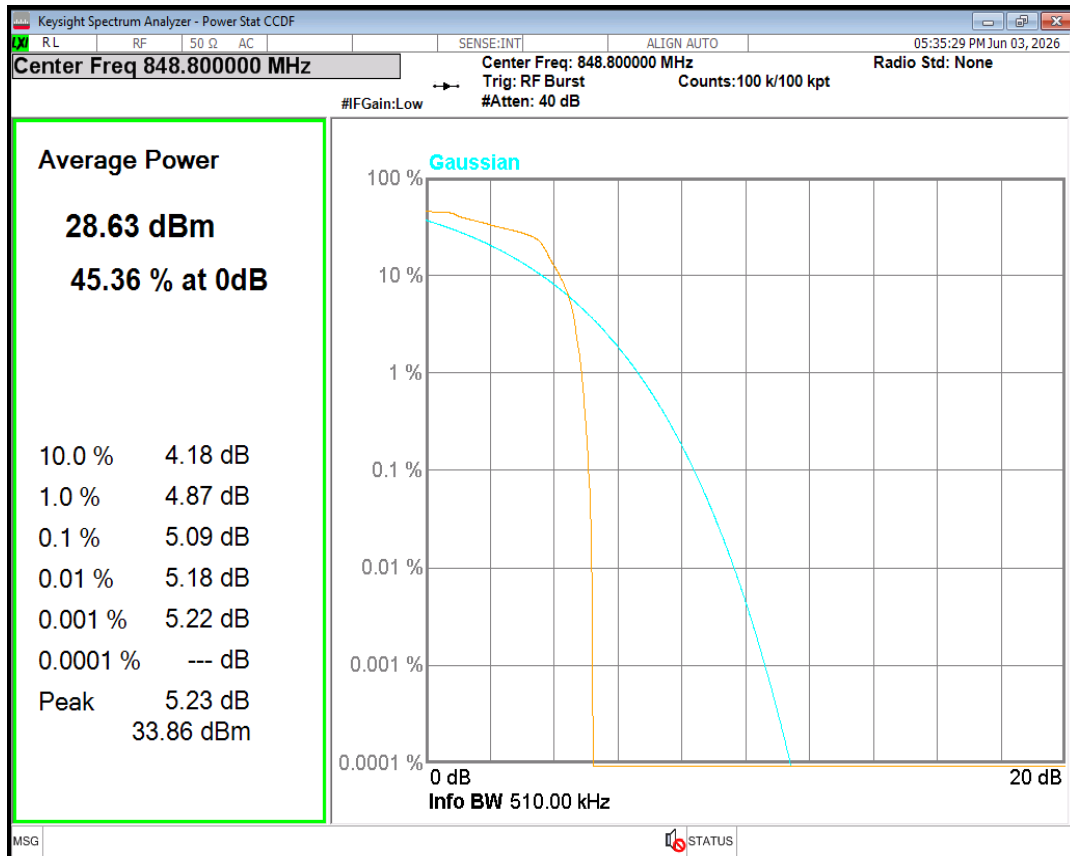
EGPRS850 Channel=128



EGPRS850 Channel=190



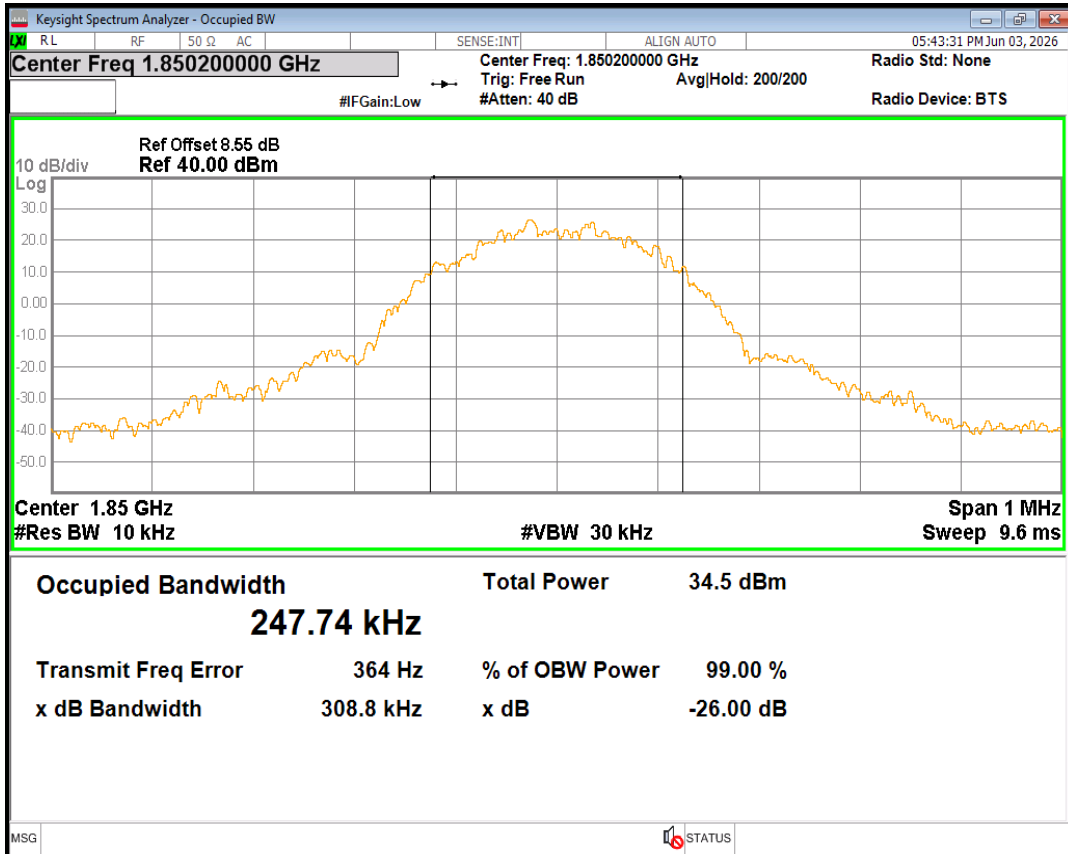
EGPRS850 Channel=251



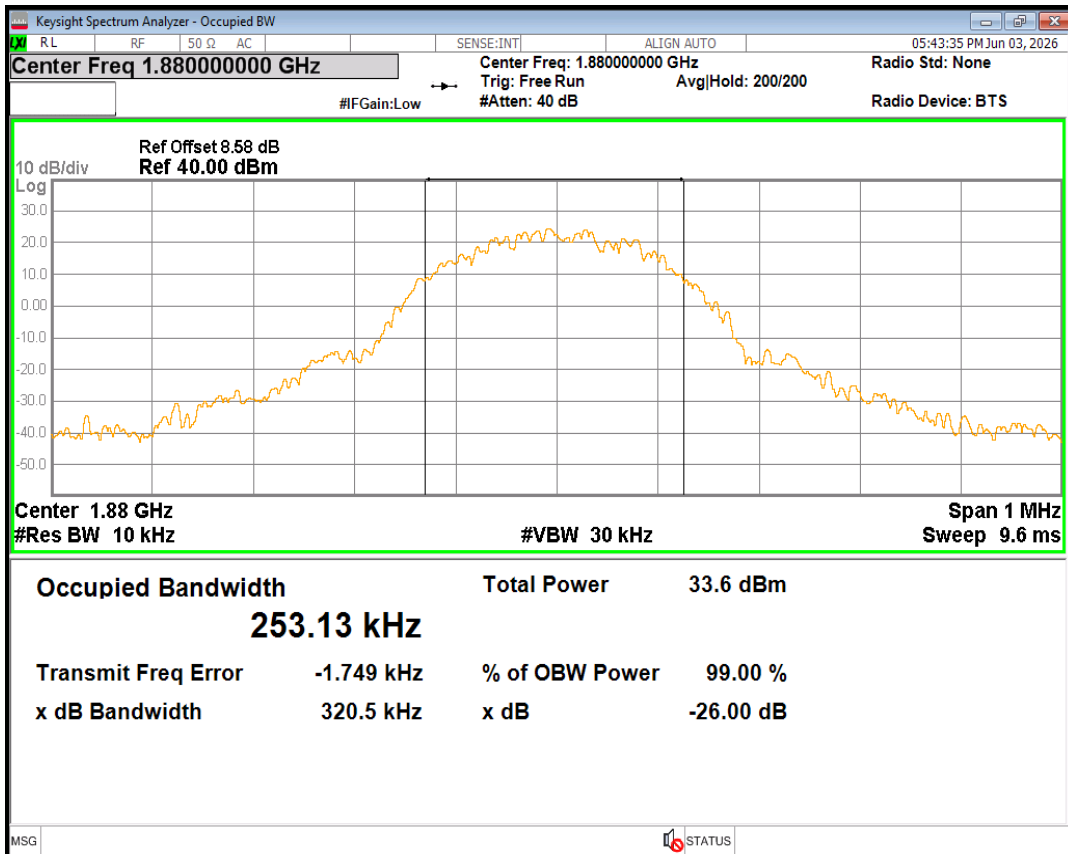
16 Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
EGPRS1900	512	1850.2	247.741	308.819	PASS
EGPRS1900	661	1880	253.130	320.467	PASS
EGPRS1900	810	1909.8	249.981	310.845	PASS
EGPRS850	128	824.2	264.964	336.735	PASS
EGPRS850	190	836.6	259.296	335.437	PASS
EGPRS850	251	848.8	264.532	316.317	PASS

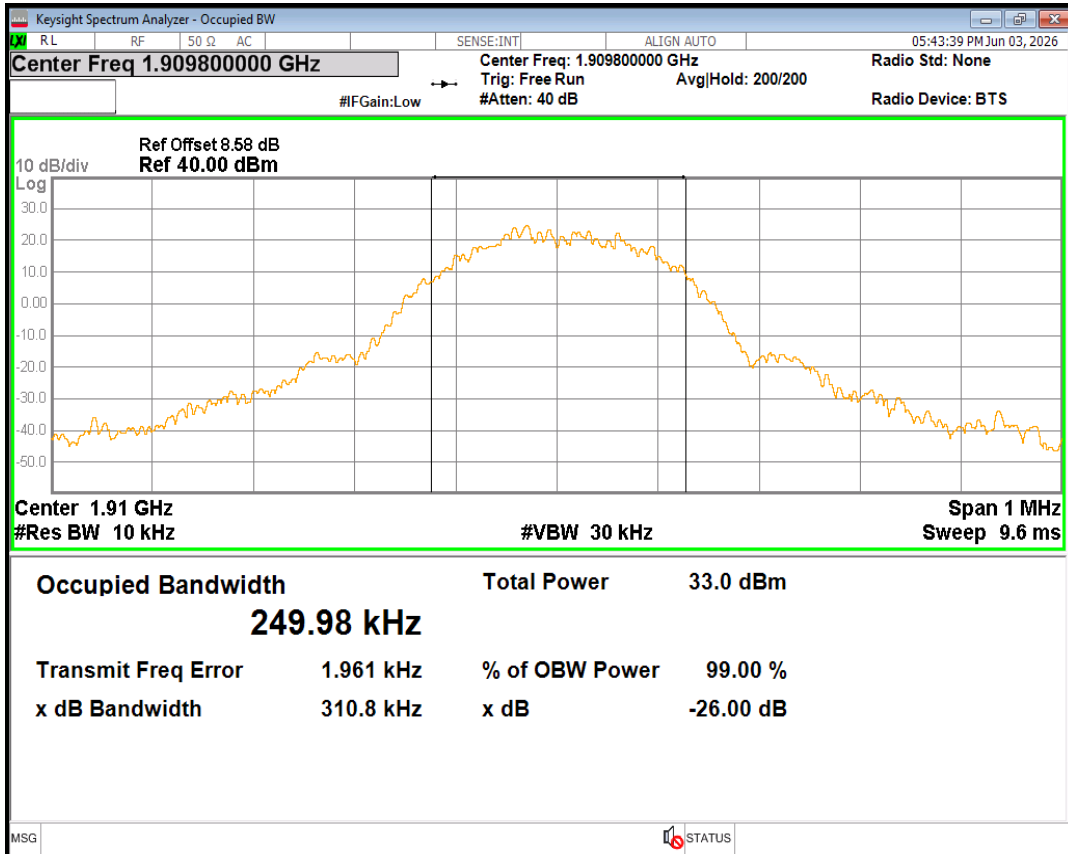
EGPRS1900 Channel=512



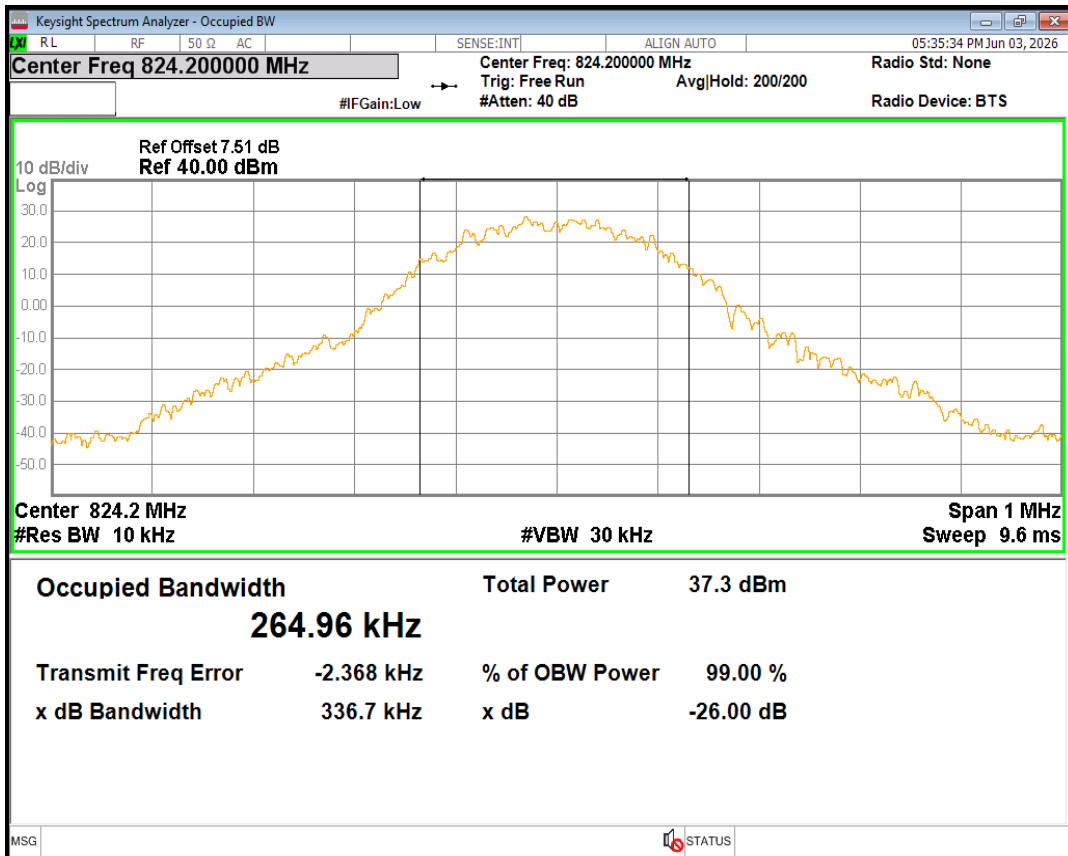
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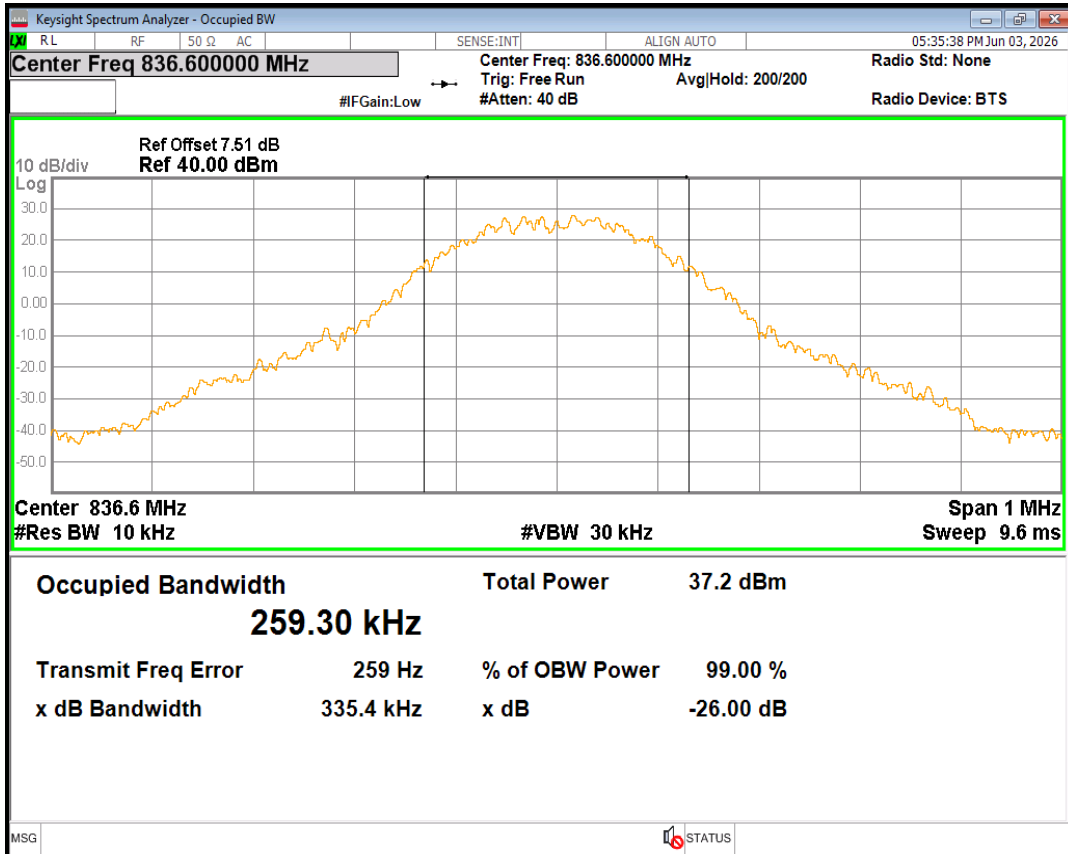
EGPRS1900 Channel=810



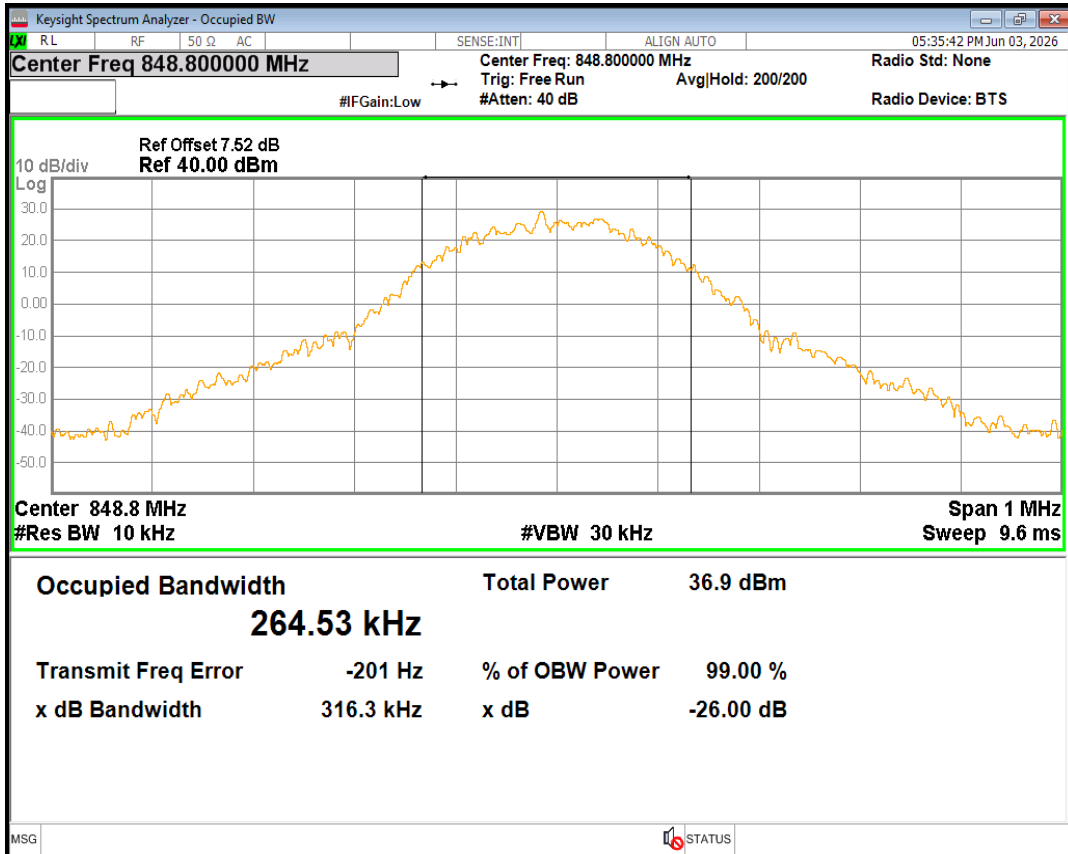
EGPRS850 Channel=128



EGPRS850 Channel=190



EGPRS850 Channel=251



17 Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
EGPRS1900	512	1850.2	1849.96	-35.08	-13	PASS
EGPRS1900	810	1909.8	1910.02	-35.42	-13	PASS
EGPRS850	128	824.2	824.00	-25.98	-13	PASS
EGPRS850	251	848.8	849.00	-29.54	-13	PASS

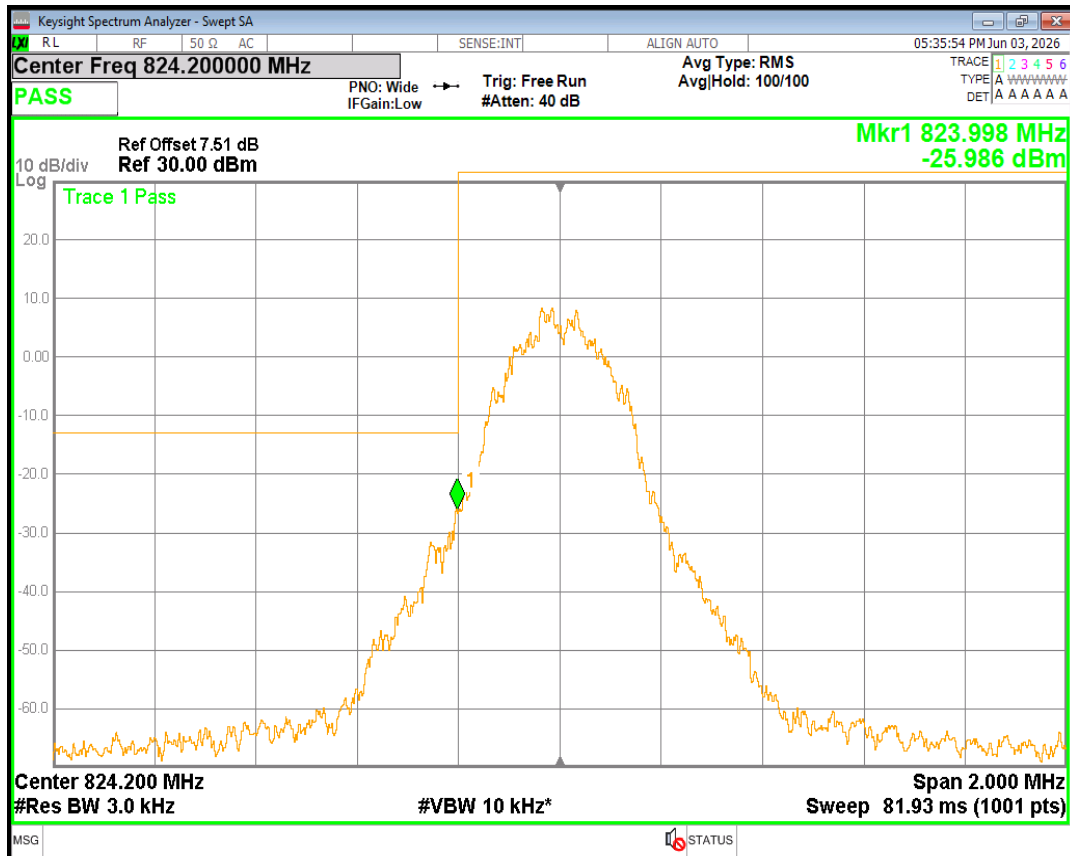
EGPRS1900 Channel=512



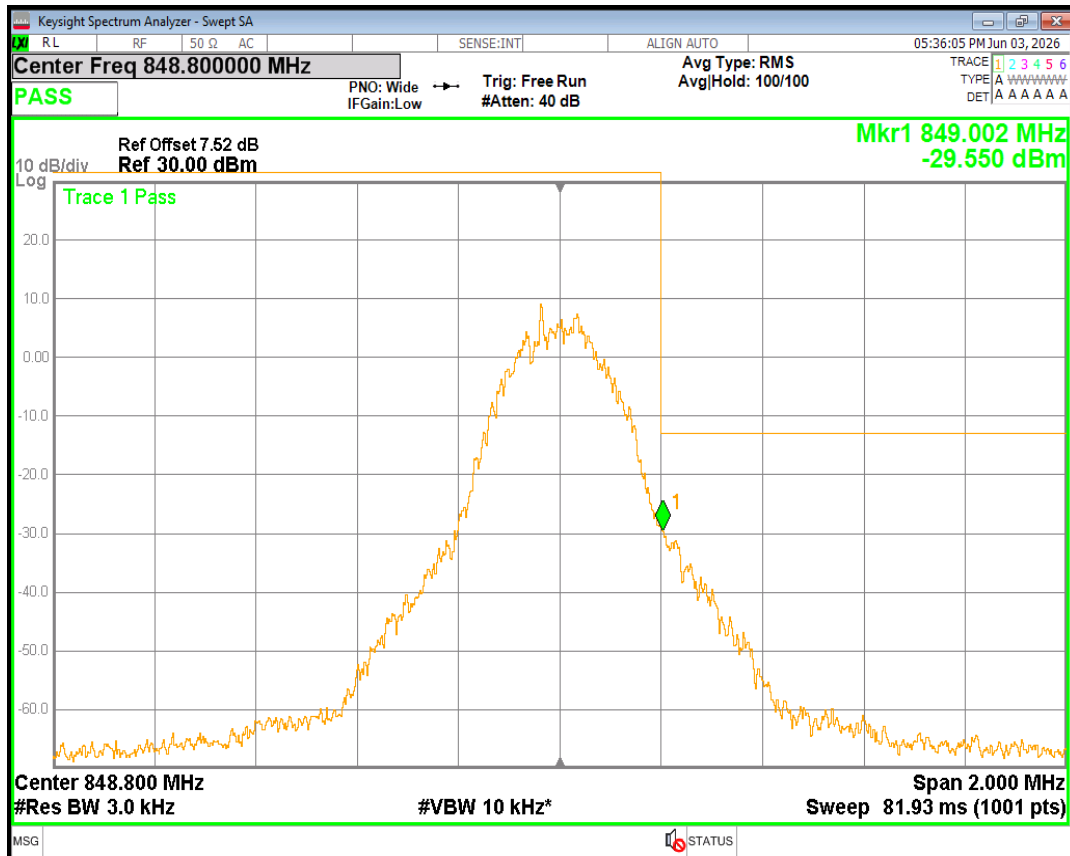
EGPRS1900 Channel=810



EGPRS850 Channel=128



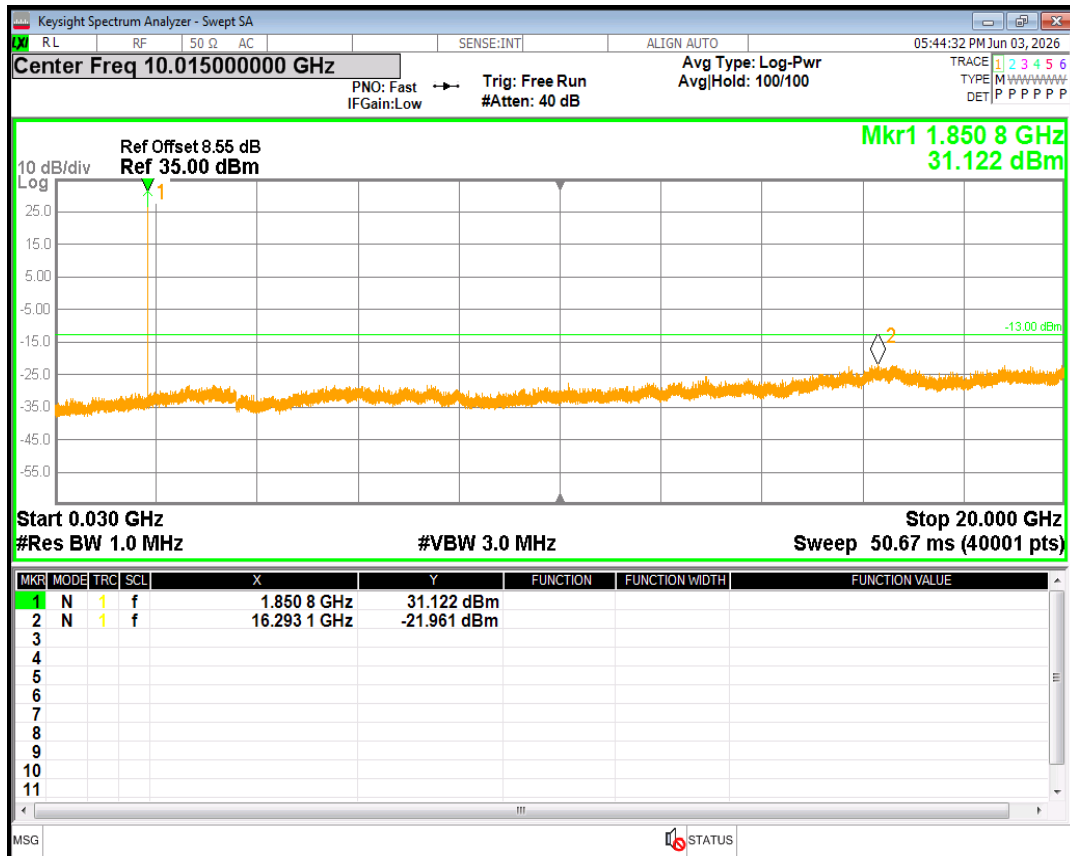
EGPRS850 Channel=251



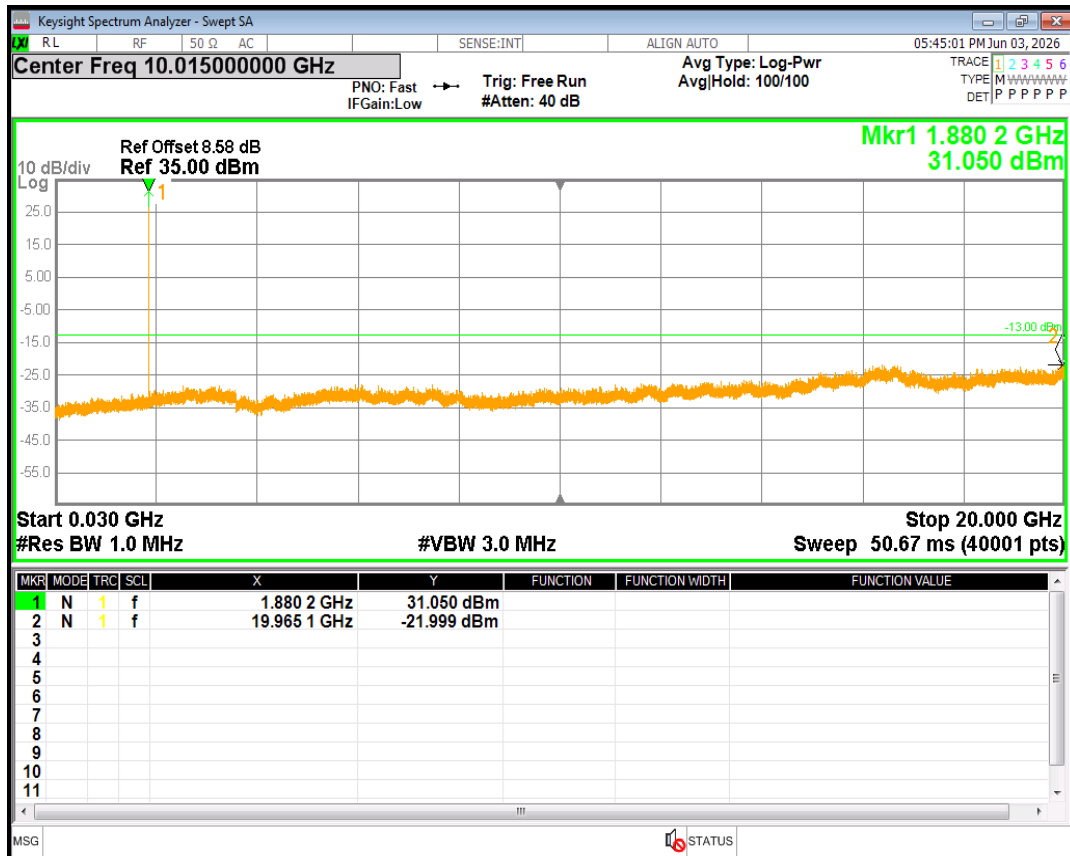
18 Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
EGPRS1900	512	1850.2	16293.07	-21.96	-13	PASS
EGPRS1900	661	1880	19965.05	-21.99	-13	PASS
EGPRS1900	810	1909.8	16609.59	-21.90	-13	PASS
EGPRS850	128	824.2	5796.65	-28.41	-13	PASS
EGPRS850	190	836.6	6004.27	-28.75	-13	PASS
EGPRS850	251	848.8	7038.66	-28.40	-13	PASS

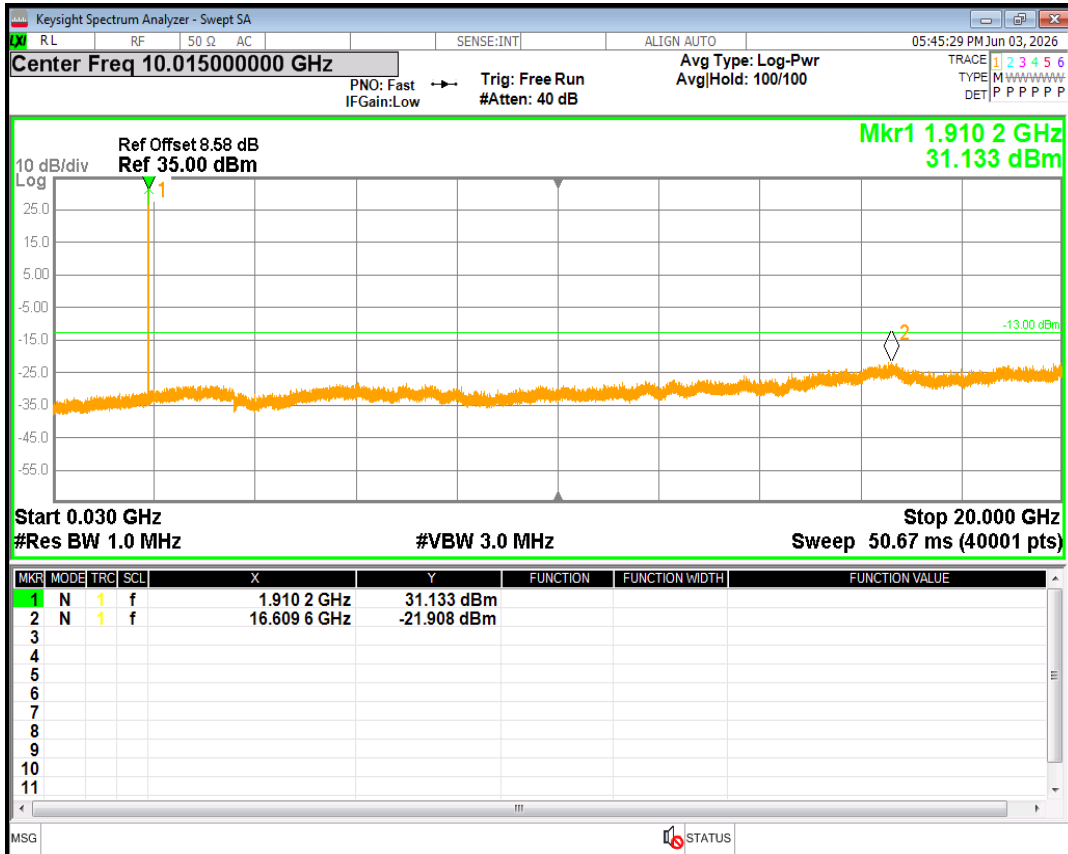
EGPRS1900 Channel=512



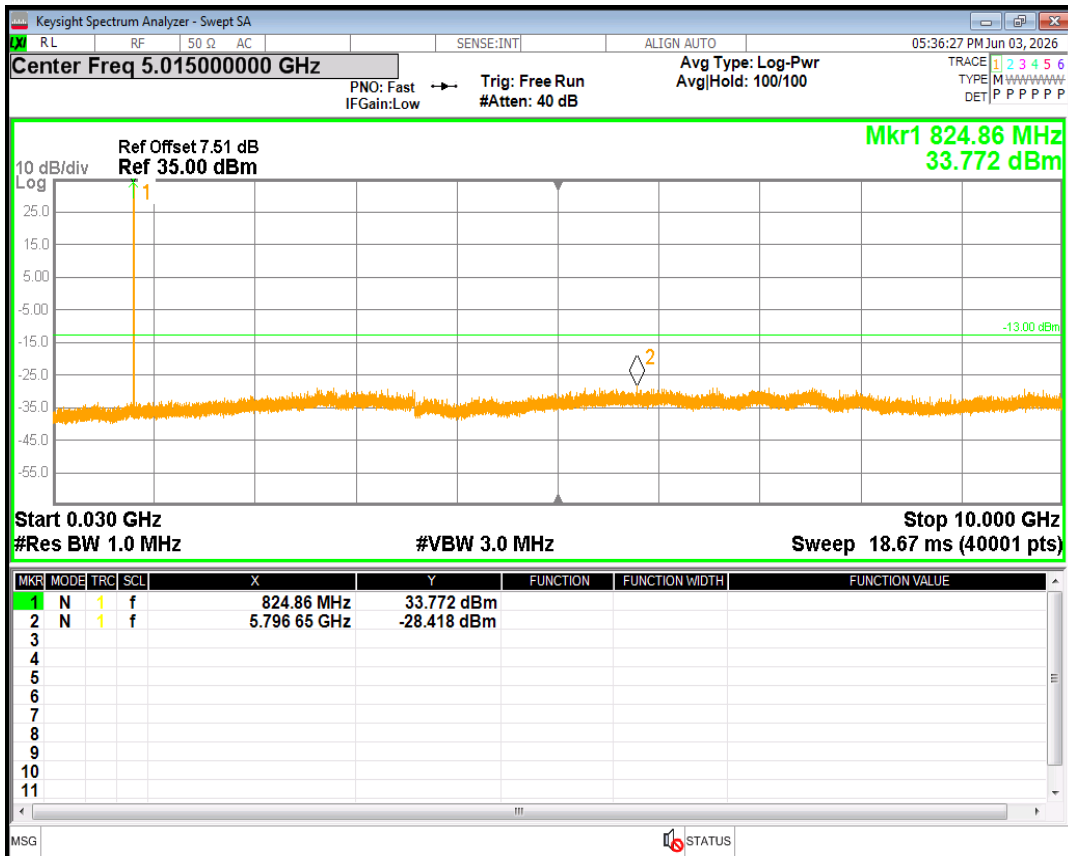
EGPRS1900 Channel=661



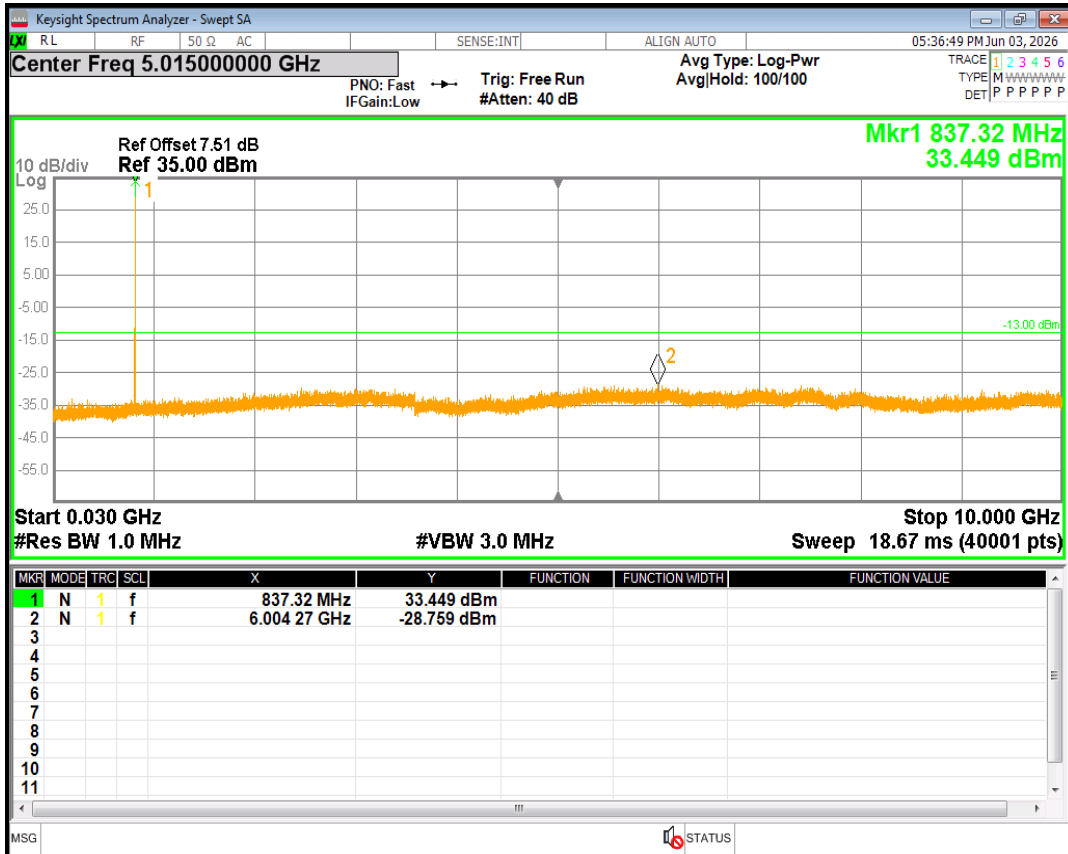
EGPRS1900 Channel=810



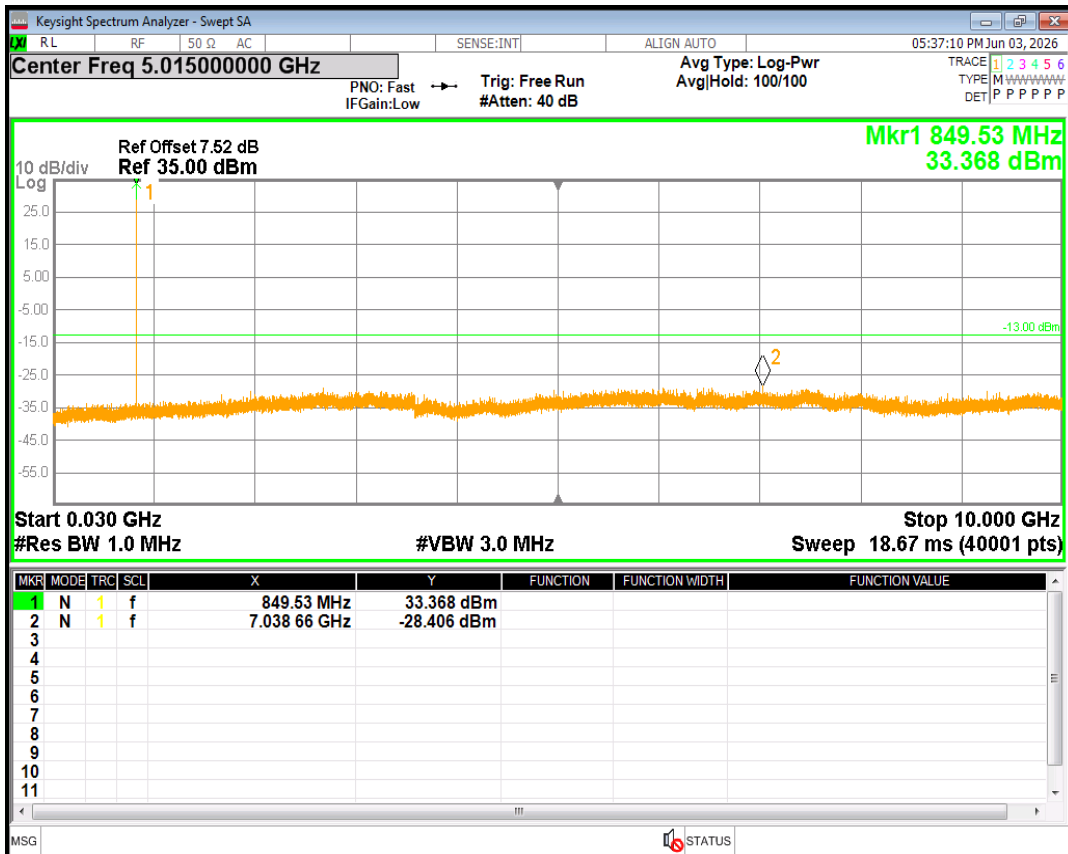
EGPRS850 Channel=128



EGPRS850 Channel=190



EGPRS850 Channel=251



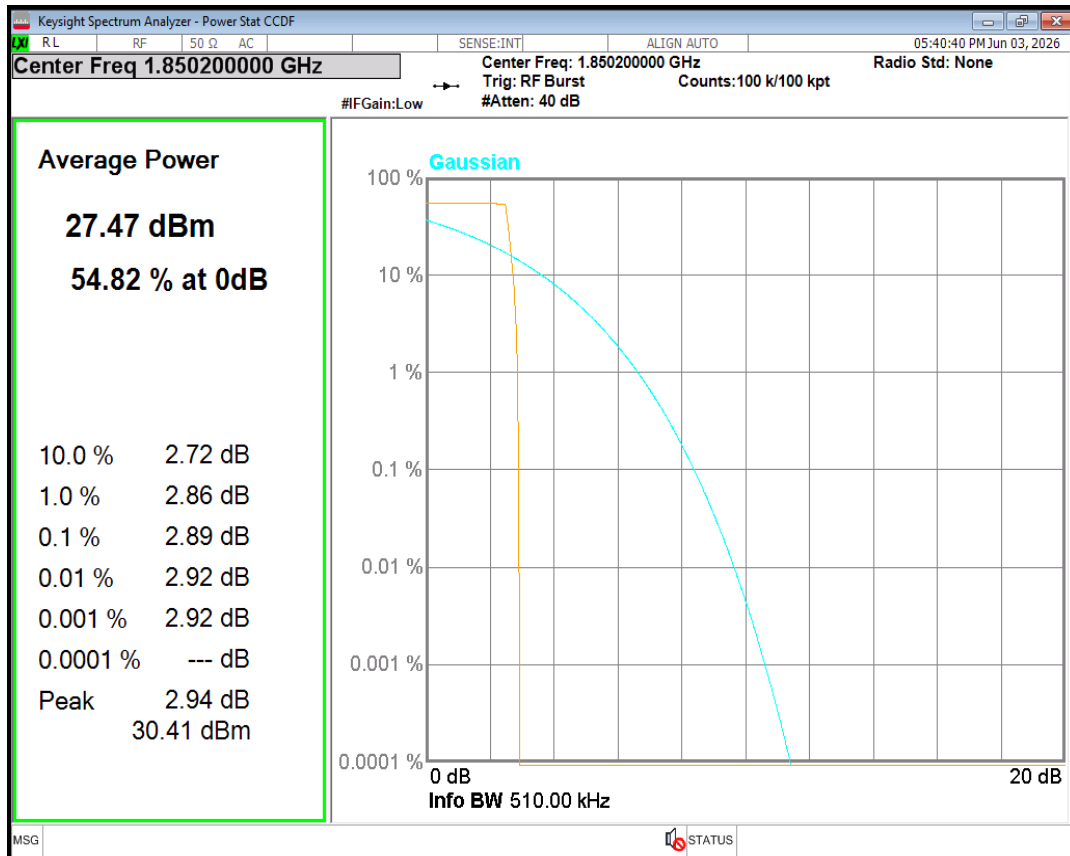
07 Conducted output power

Band	Channel	Frequency (MHz)	Power (dBm)	Verdict
GPRS1900 1 Slot	512	1850.2	29.24	PASS
GPRS1900 1 Slot	661	1880	28.66	PASS
GPRS1900 1 Slot	810	1909.8	28.30	PASS
GPRS1900 2 Slot	512	1850.2	28.12	PASS
GPRS1900 2 Slot	661	1880	27.66	PASS
GPRS1900 2 Slot	810	1909.8	27.36	PASS
GPRS1900 3 Slot	512	1850.2	26.20	PASS
GPRS1900 3 Slot	661	1880	25.87	PASS
GPRS1900 3 Slot	810	1909.8	25.59	PASS
GPRS1900 4 Slot	512	1850.2	25.04	PASS
GPRS1900 4 Slot	661	1880	24.77	PASS
GPRS1900 4 Slot	810	1909.8	24.48	PASS
Band	Channel	Frequency (MHz)	Power (dBm)	Verdict
GPRS850 1 Slot	128	824.2	31.98	PASS
GPRS850 1 Slot	190	836.6	32.20	PASS
GPRS850 1 Slot	251	848.8	31.98	PASS
GPRS850 2 Slot	128	824.2	31.10	PASS
GPRS850 2 Slot	190	836.6	31.34	PASS
GPRS850 2 Slot	251	848.8	31.11	PASS
GPRS850 3 Slot	128	824.2	29.30	PASS
GPRS850 3 Slot	190	836.6	29.52	PASS
GPRS850 3 Slot	251	848.8	29.33	PASS
GPRS850 4 Slot	128	824.2	28.20	PASS
GPRS850 4 Slot	190	836.6	28.43	PASS
GPRS850 4 Slot	251	848.8	28.19	PASS

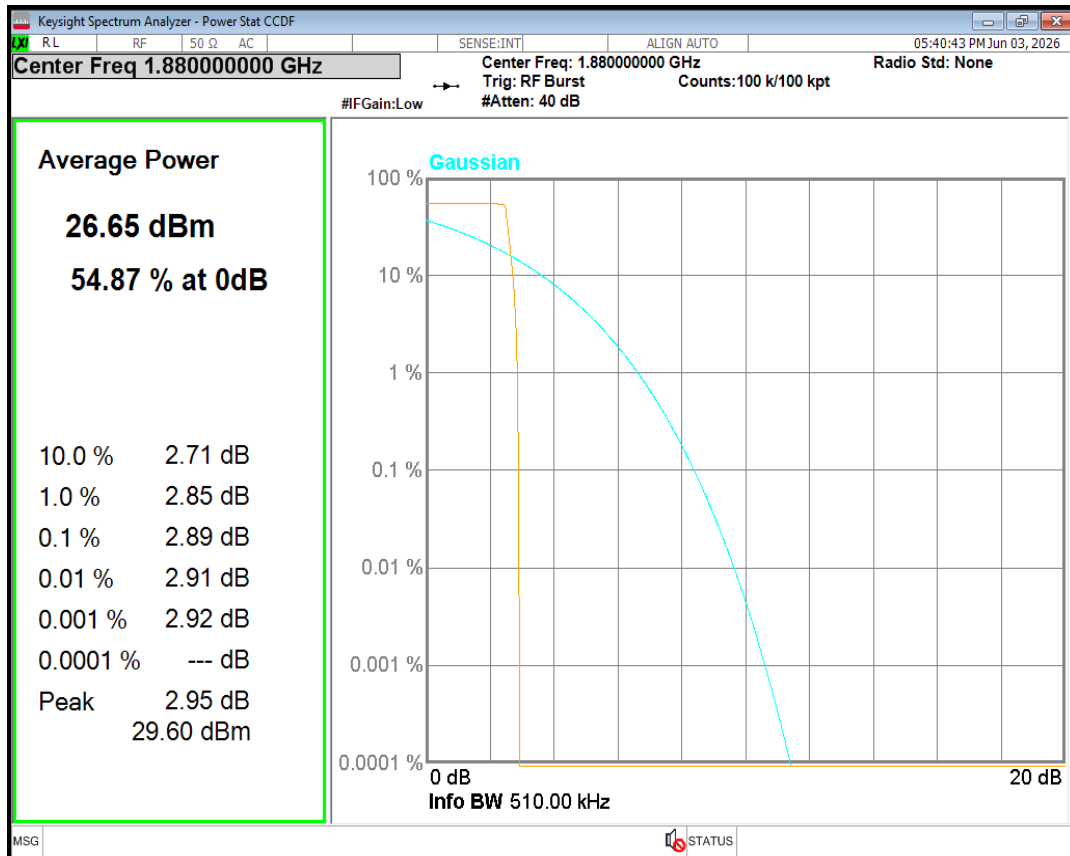
09 Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GPRS1900	512	1850.2	2.890566038	13.00	PASS
GPRS1900	661	1880	2.888020833	13.00	PASS
GPRS1900	810	1909.8	2.897837838	13.00	PASS
GPRS850	128	824.2	2.89047619	13.00	PASS
GPRS850	190	836.6	2.906136364	13.00	PASS
GPRS850	251	848.8	2.928769231	13.00	PASS

GPRS1900 Channel=512



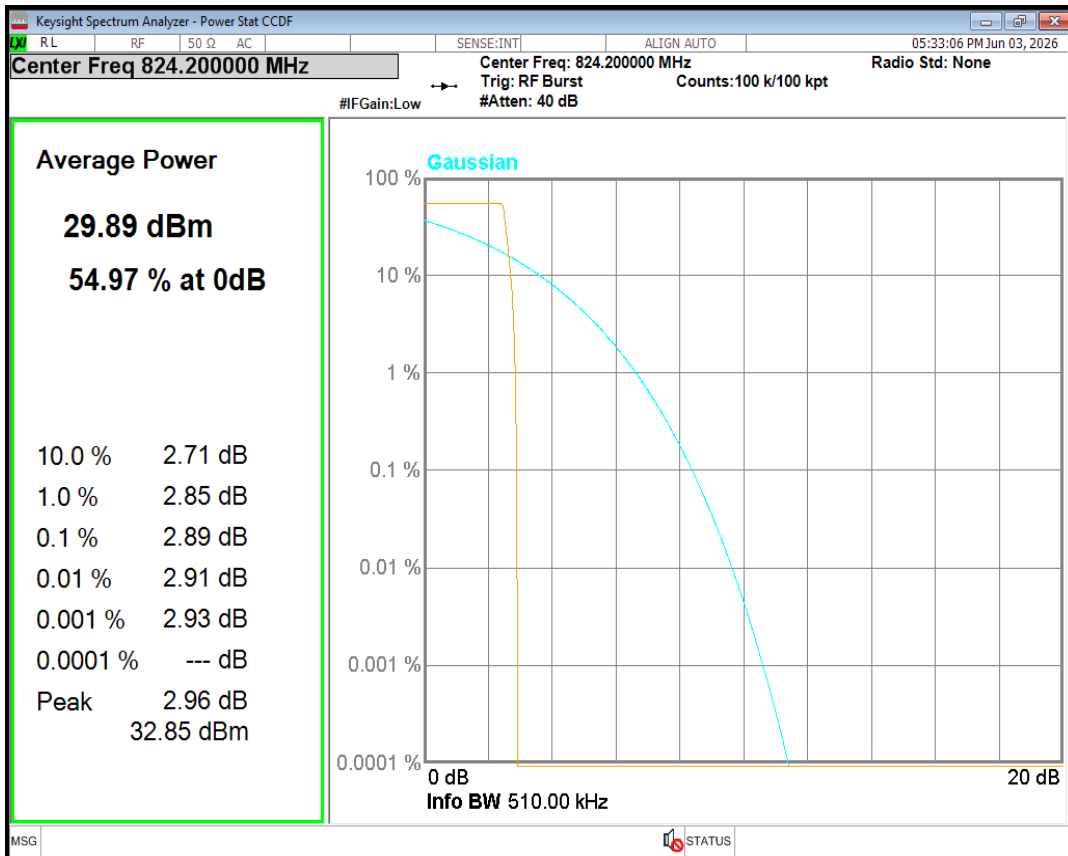
GPRS1900 Channel=661



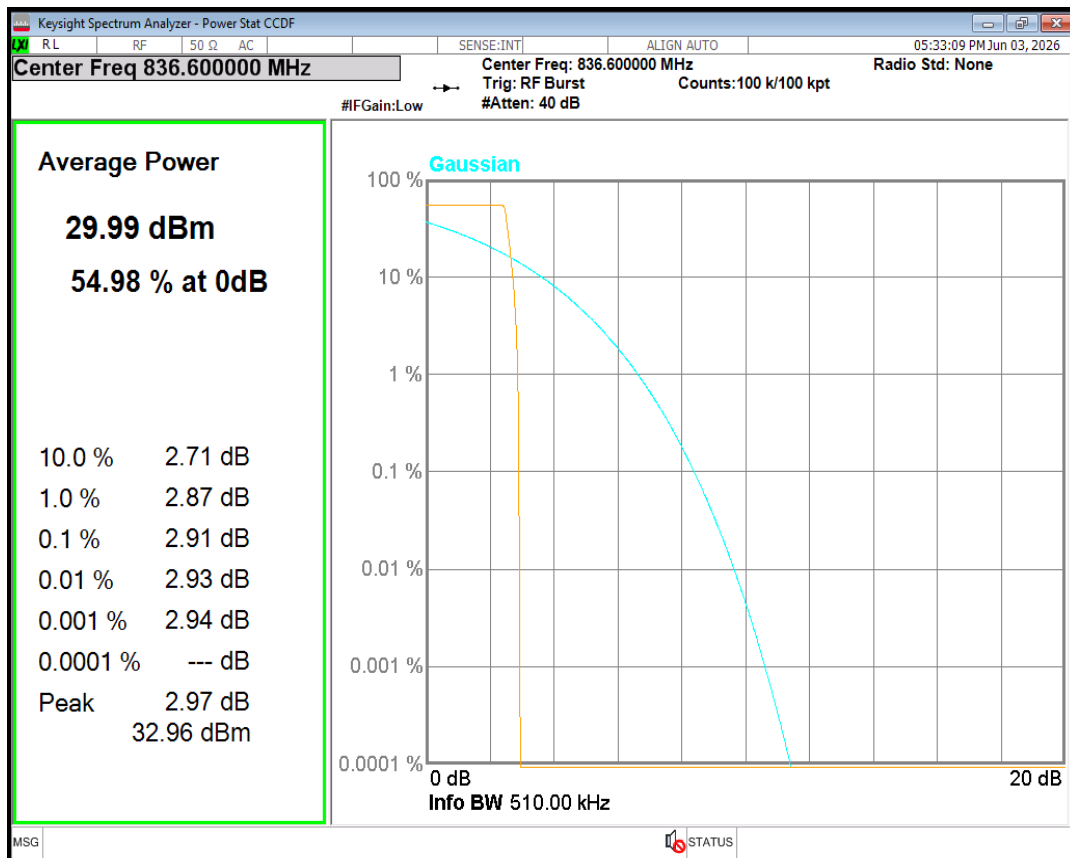
GPRS1900 Channel=810



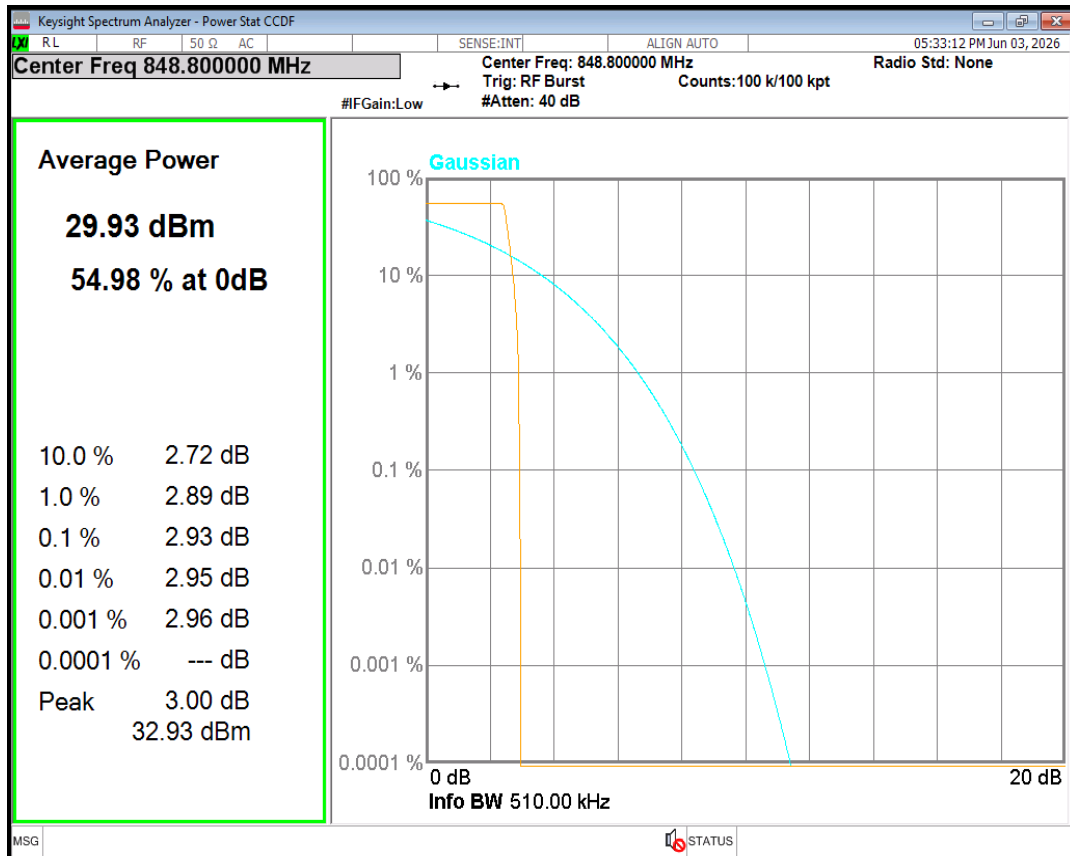
GPRS850 Channel=128



GPRS850 Channel=190



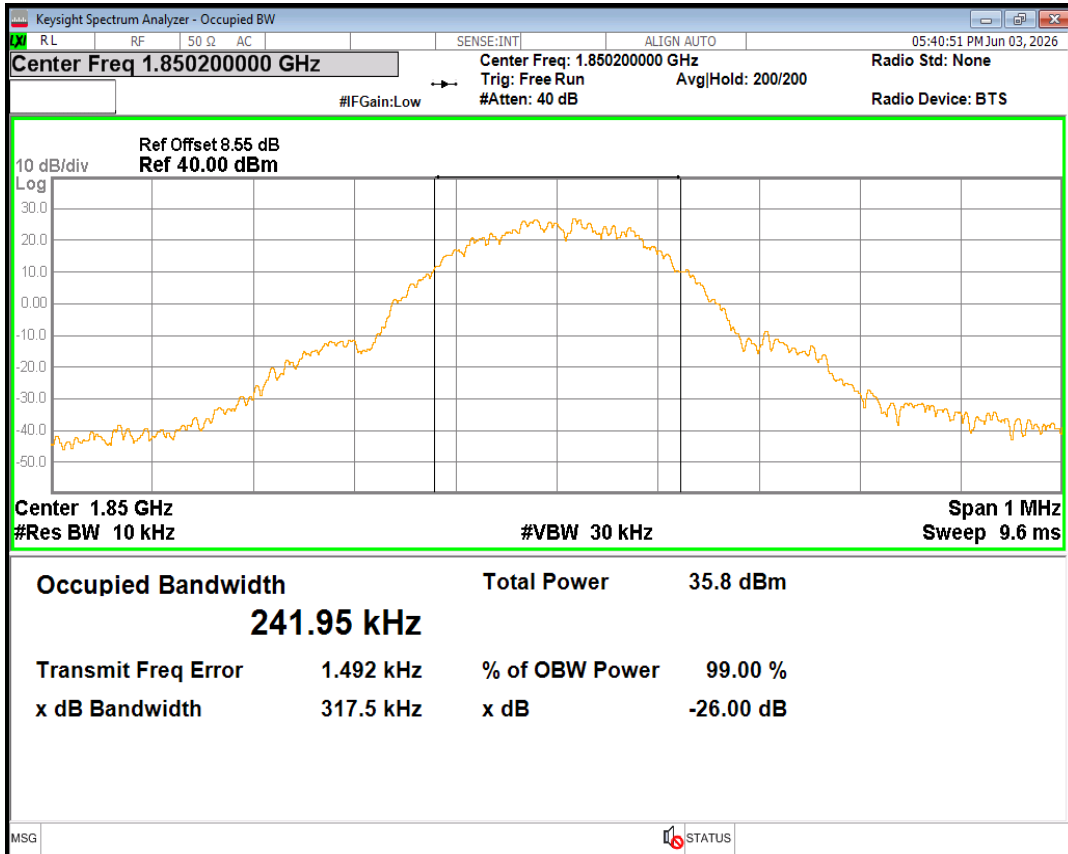
GPRS850 Channel=251



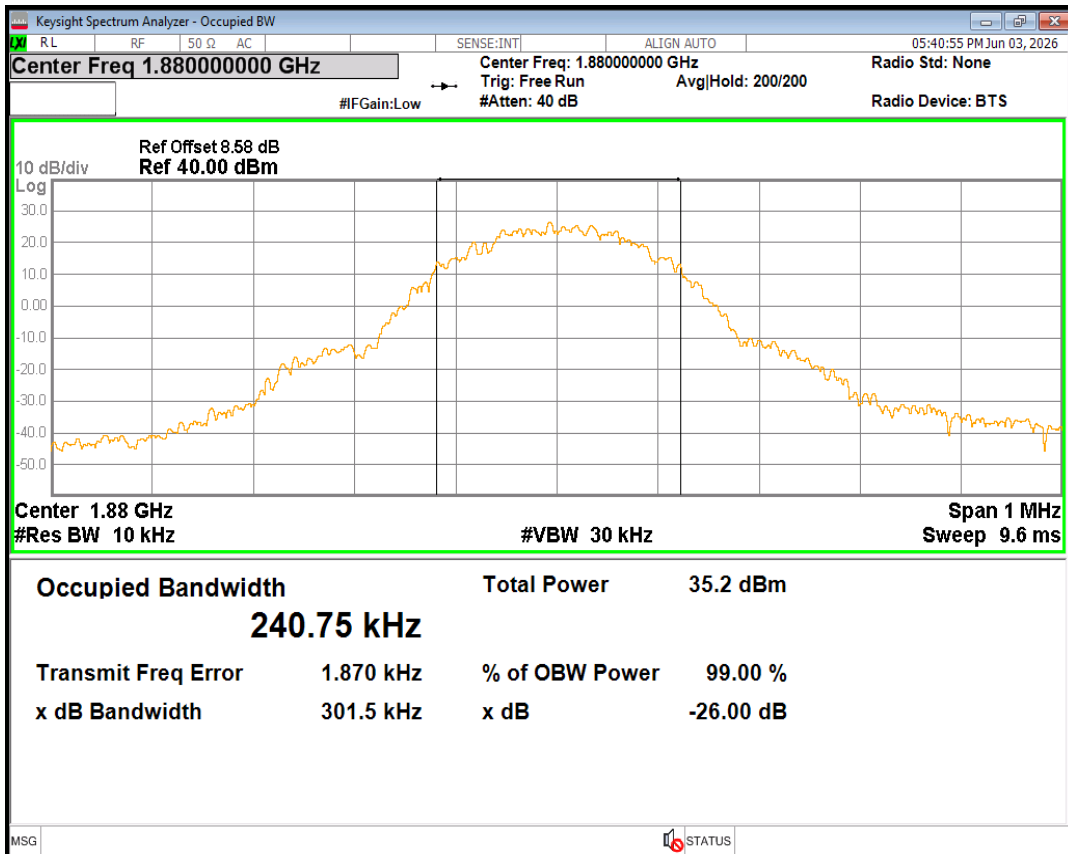
10 Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GPRS1900	512	1850.2	241.955	317.519	PASS
GPRS1900	661	1880	240.754	301.536	PASS
GPRS1900	810	1909.8	246.028	321.753	PASS
GPRS850	128	824.2	246.845	312.624	PASS
GPRS850	190	836.6	250.239	320.655	PASS
GPRS850	251	848.8	241.629	314.553	PASS

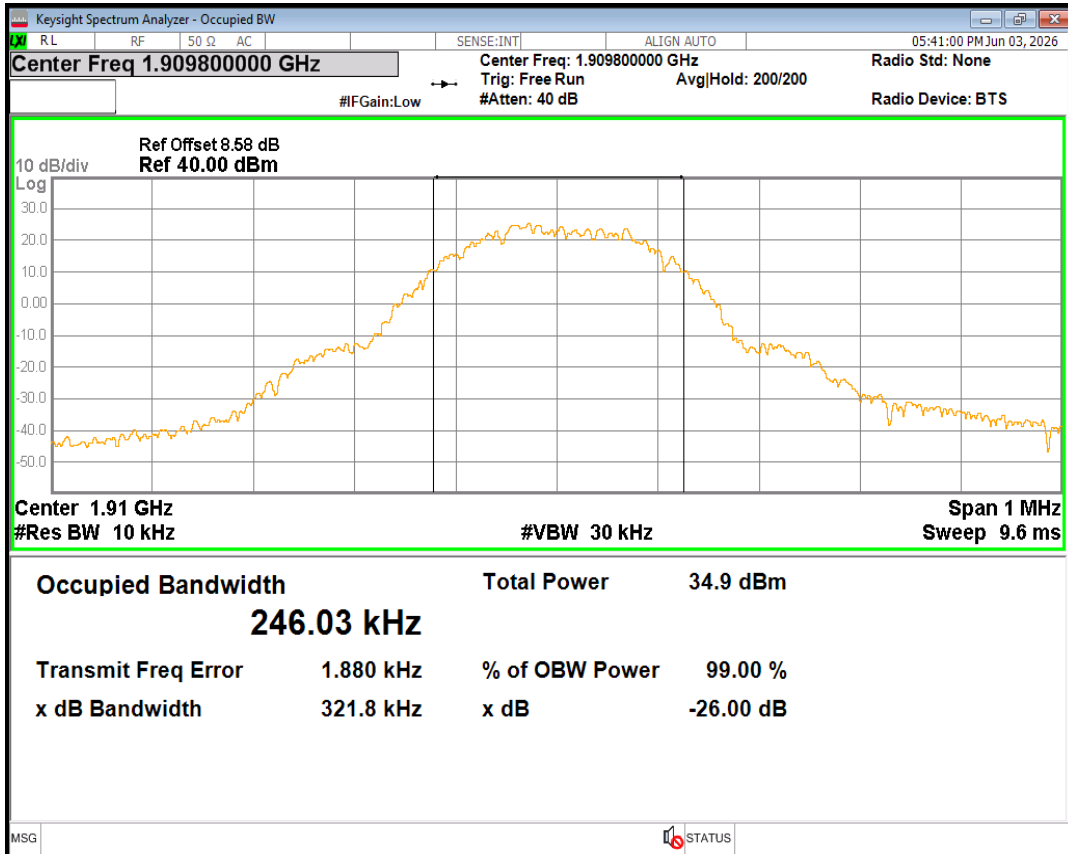
GPRS1900 Channel=512



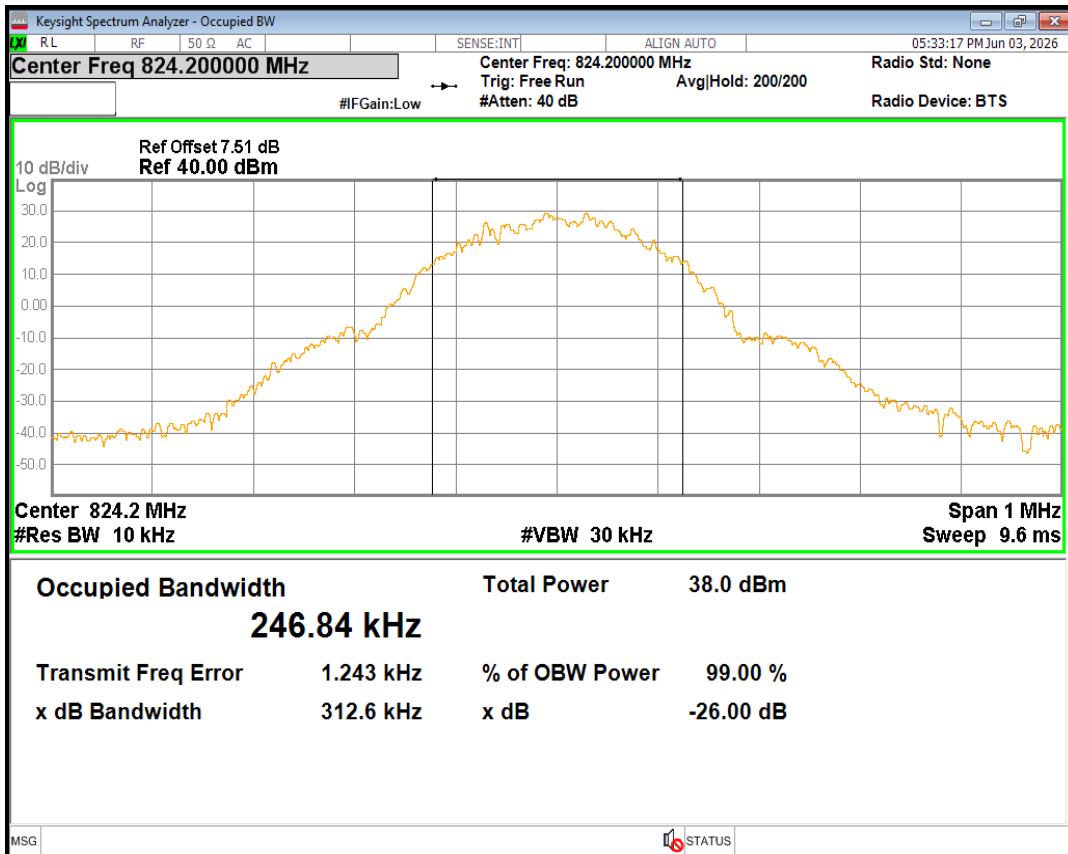
GPRS1900 Channel=661



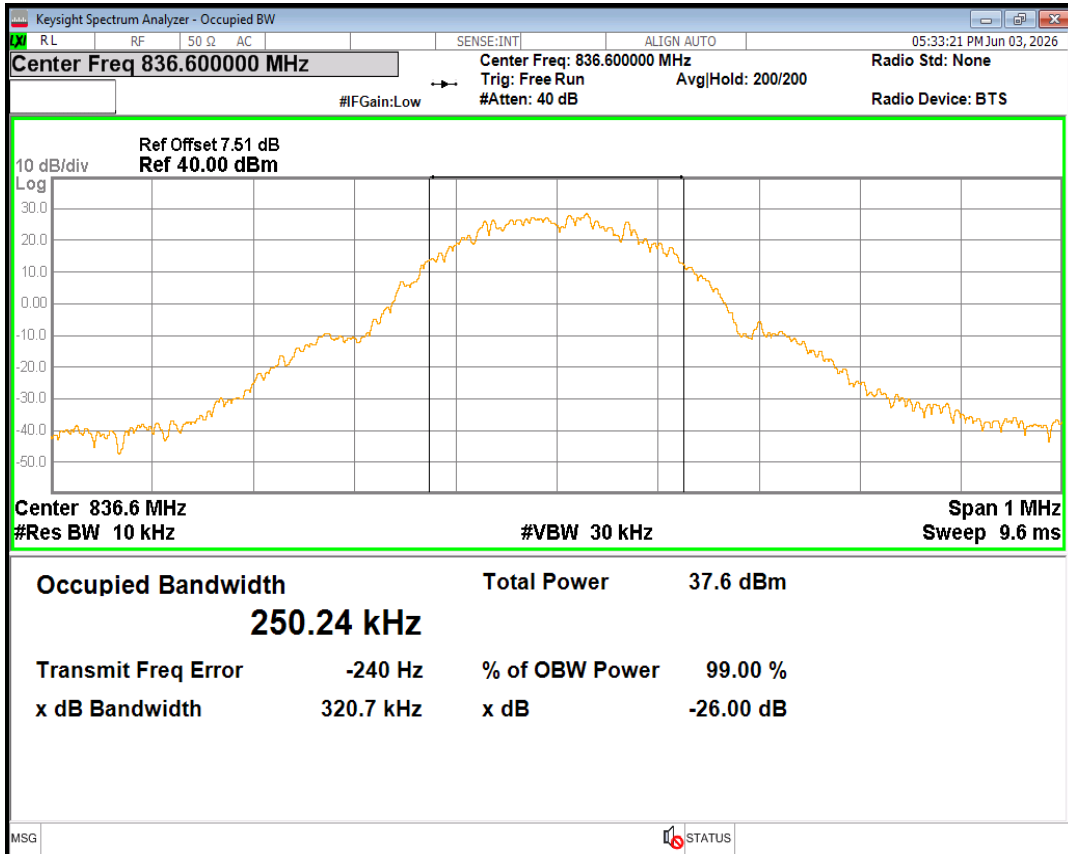
GPRS1900 Channel=810



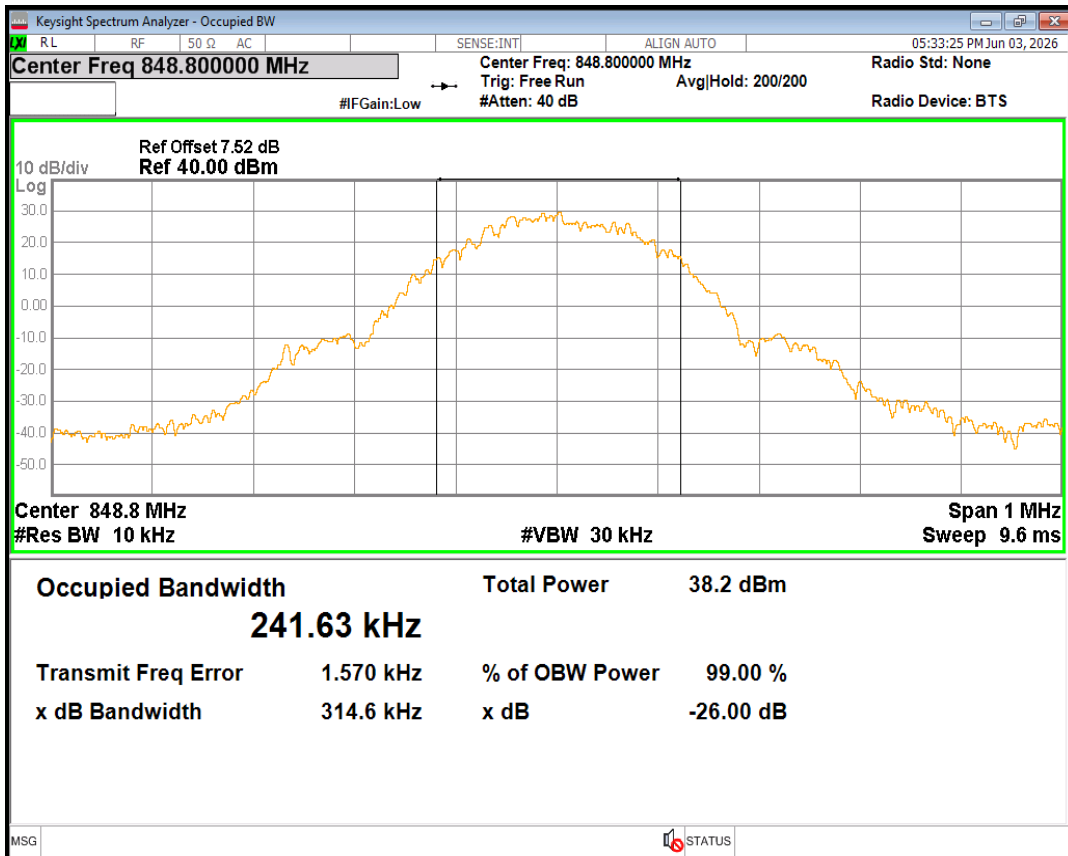
GPRS850 Channel=128



GPRS850 Channel=190



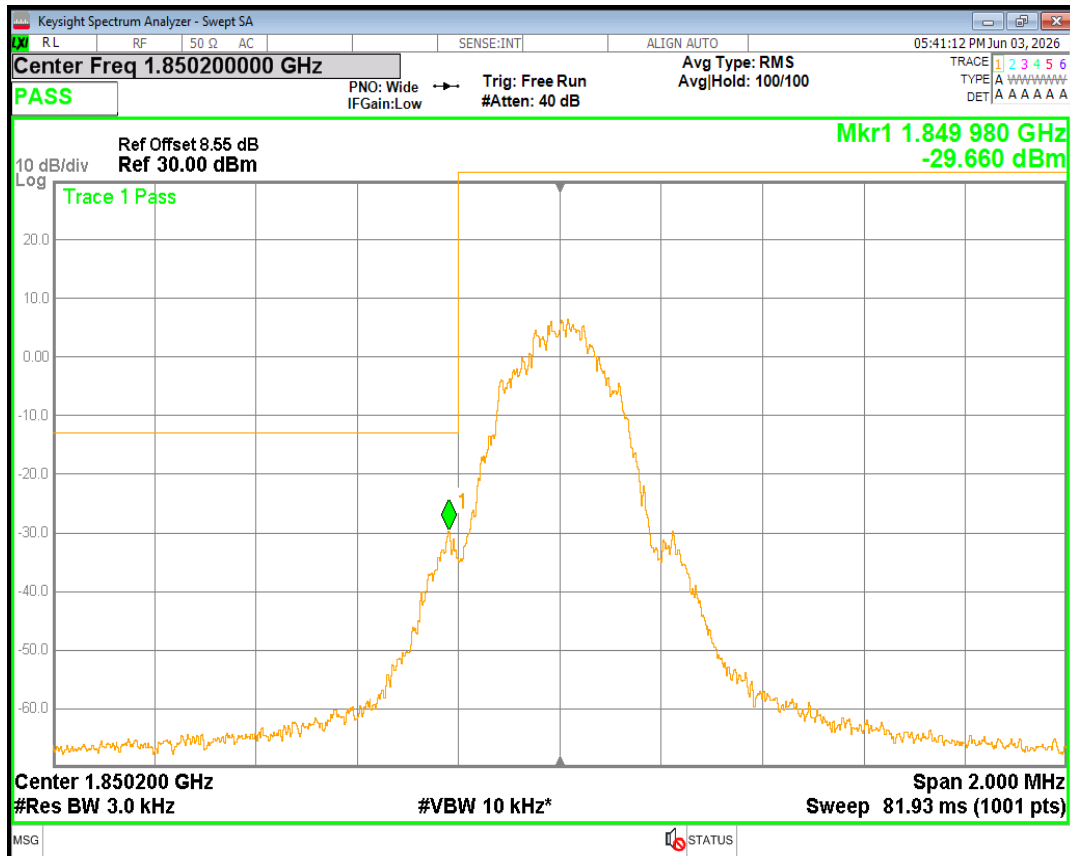
GPRS850 Channel=251



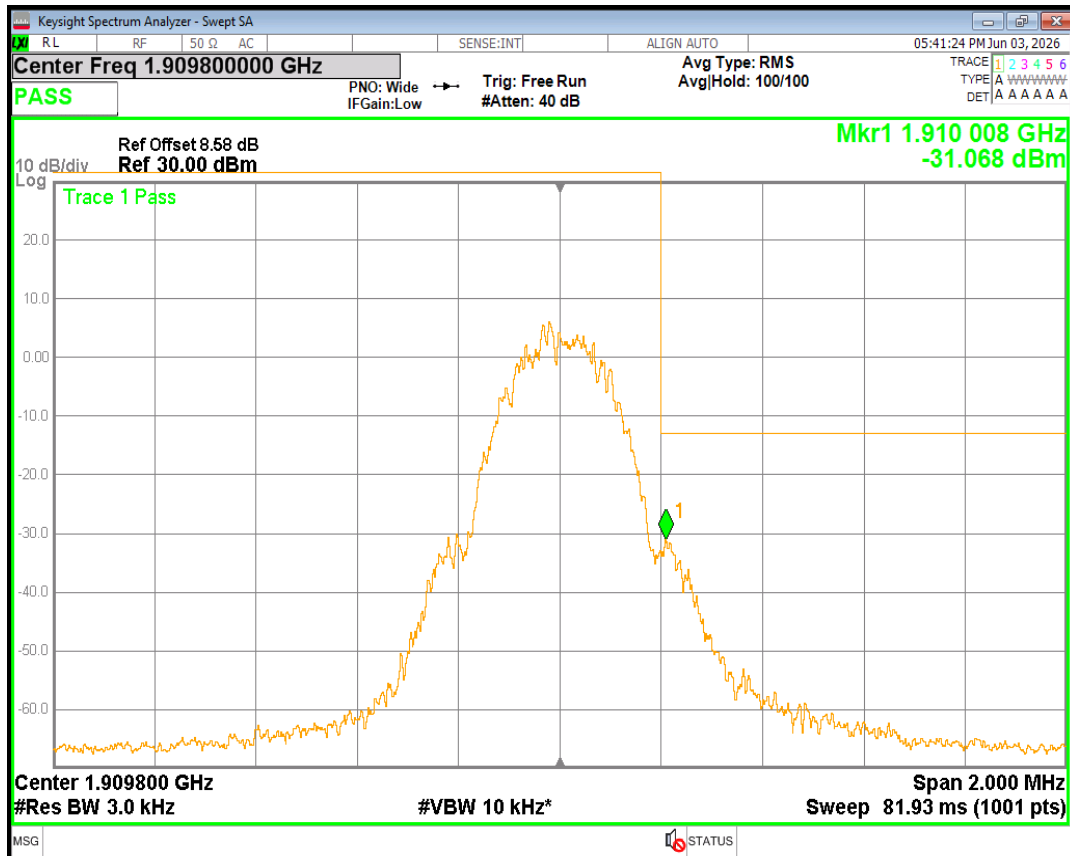
11 Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS1900	512	1850.2	1849.98	-29.66	-13	PASS
GPRS1900	810	1909.8	1910.01	-31.06	-13	PASS
GPRS850	128	824.2	824.00	-28.32	-13	PASS
GPRS850	251	848.8	849.01	-29.14	-13	PASS

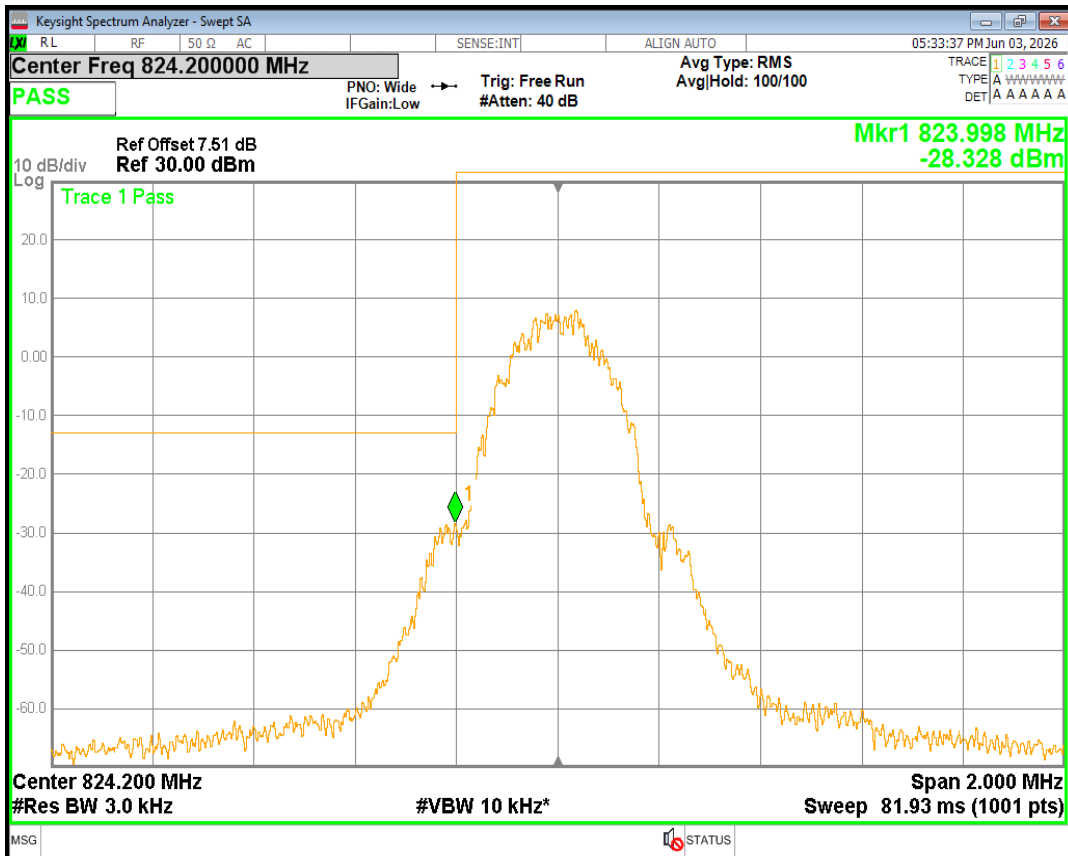
GPRS1900 Channel=512



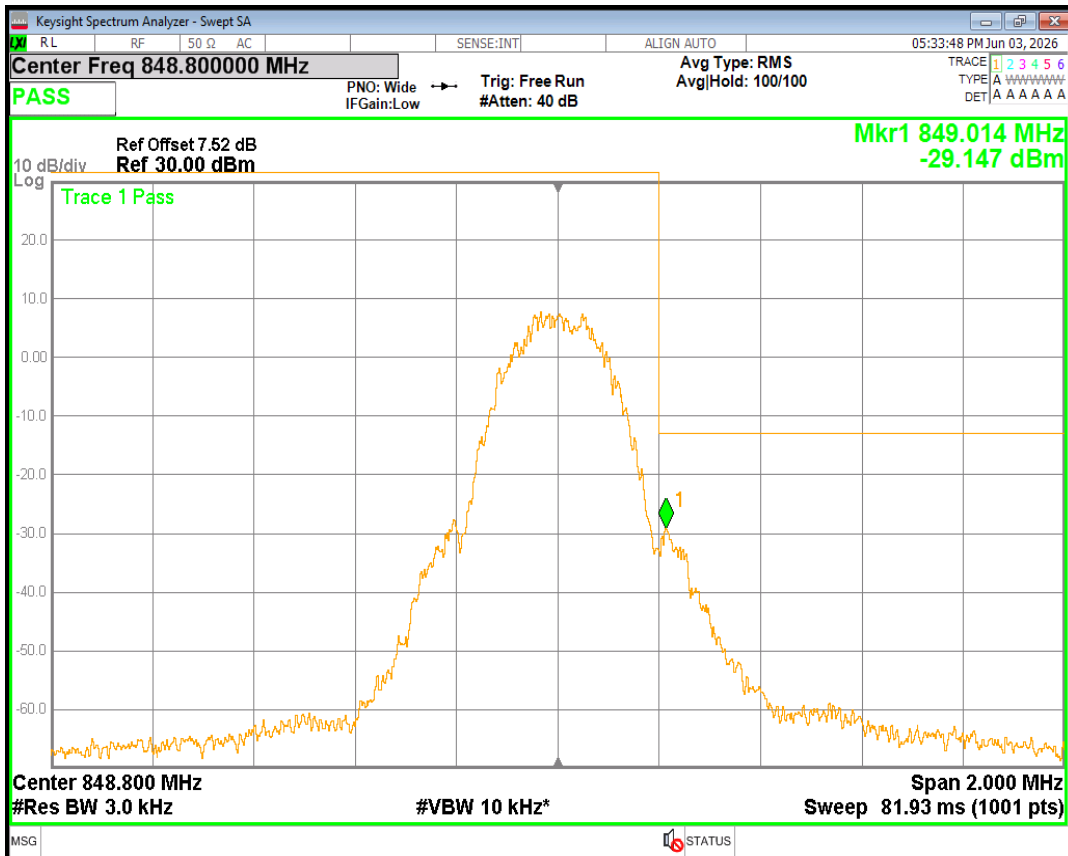
GPRS1900 Channel=810



GPRS850 Channel=128



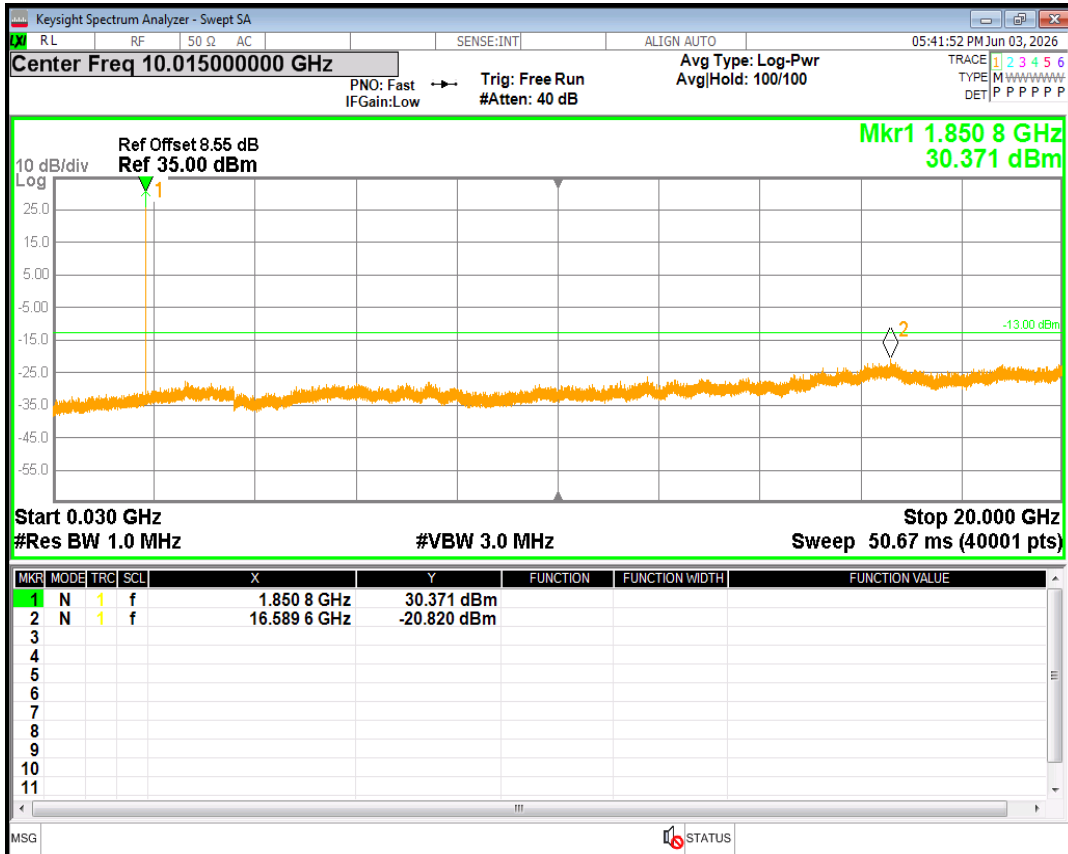
GPRS850 Channel=251



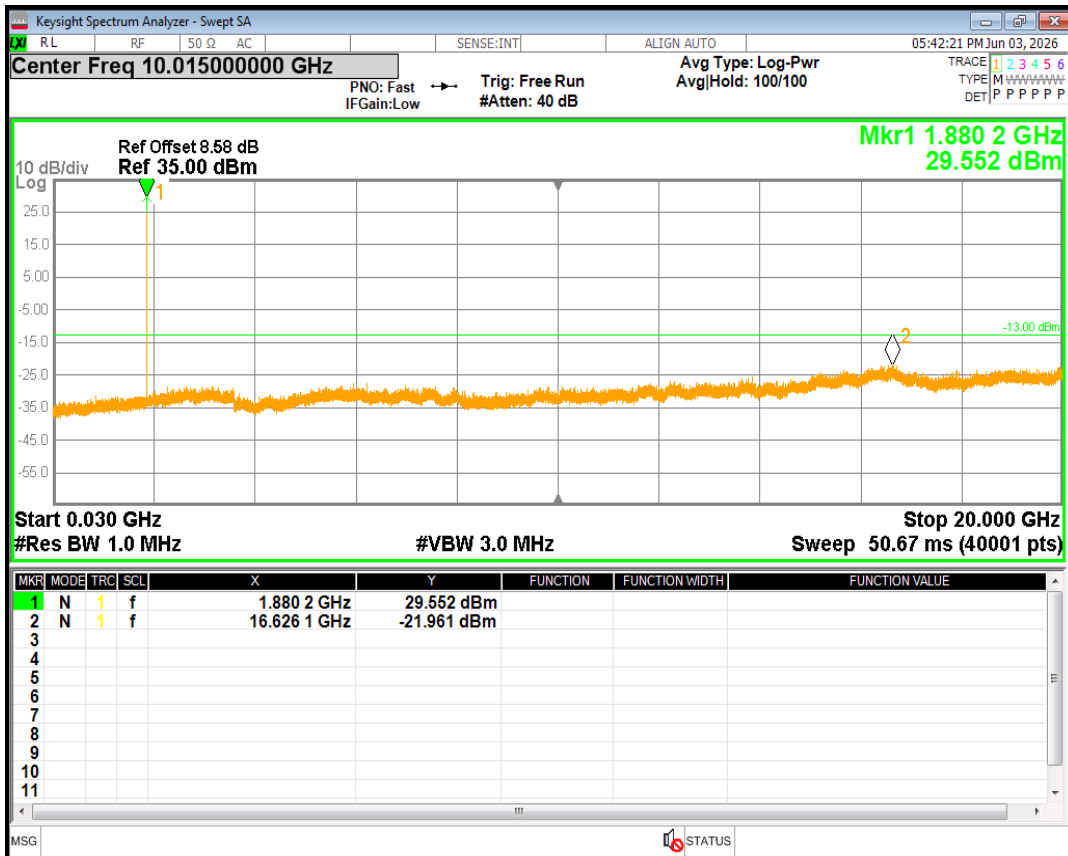
12 Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS1900	512	1850.2	16589.62	-20.82	-13	PASS
GPRS1900	661	1880	16626.07	-21.96	-13	PASS
GPRS1900	810	1909.8	16648.53	-21.54	-13	PASS
GPRS850	128	824.2	812.15	-27.57	-13	PASS
GPRS850	190	836.6	6198.94	-28.93	-13	PASS
GPRS850	251	848.8	6049.89	-28.46	-13	PASS

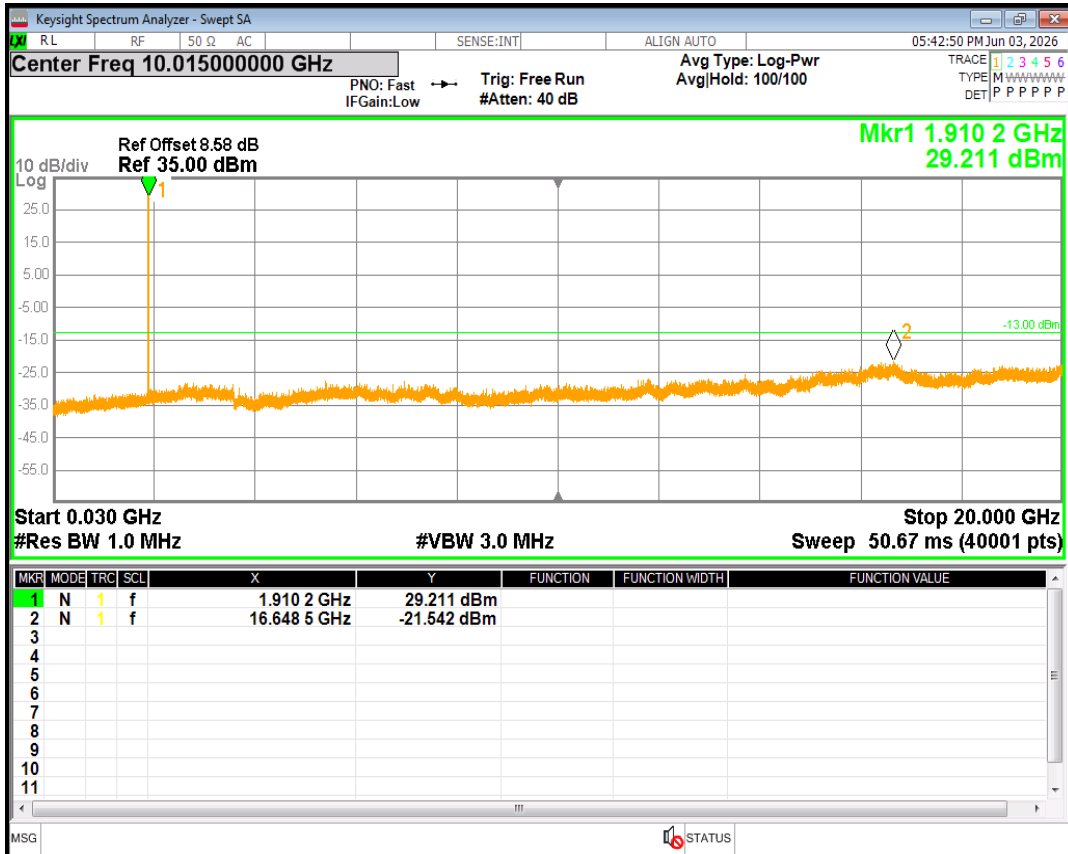
GPRS1900 Channel=512



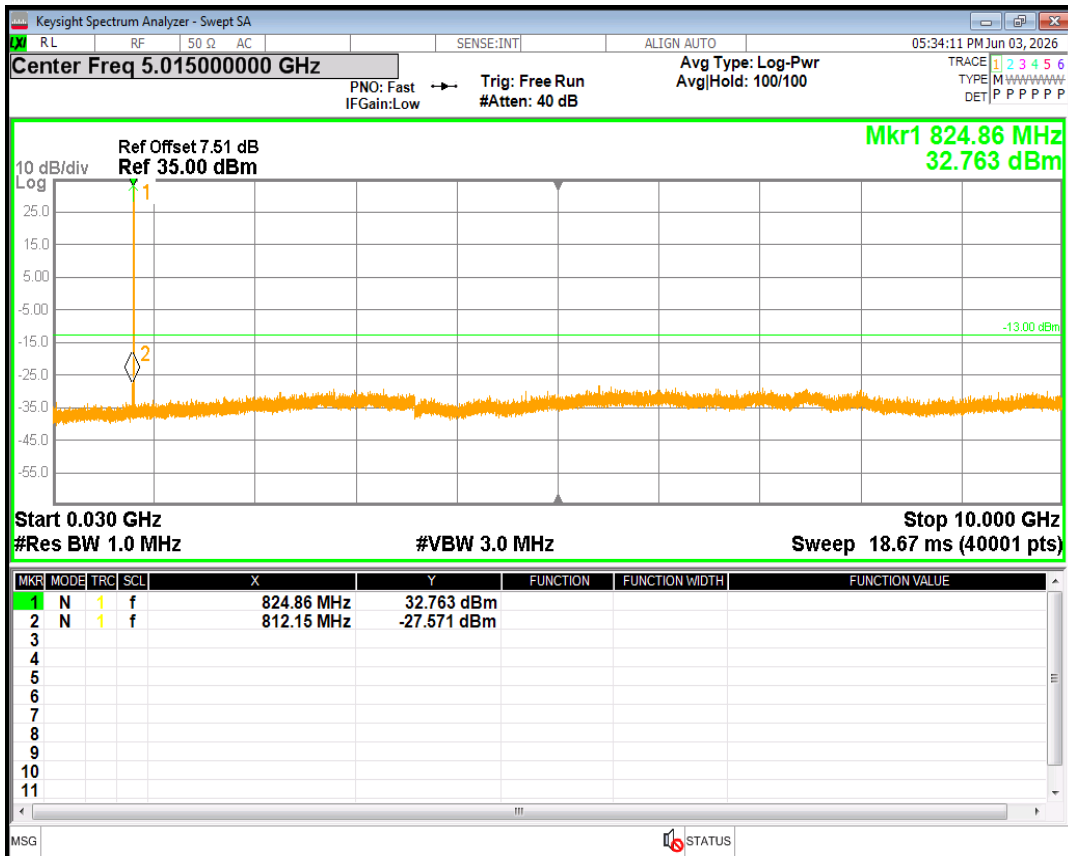
GPRS1900 Channel=661



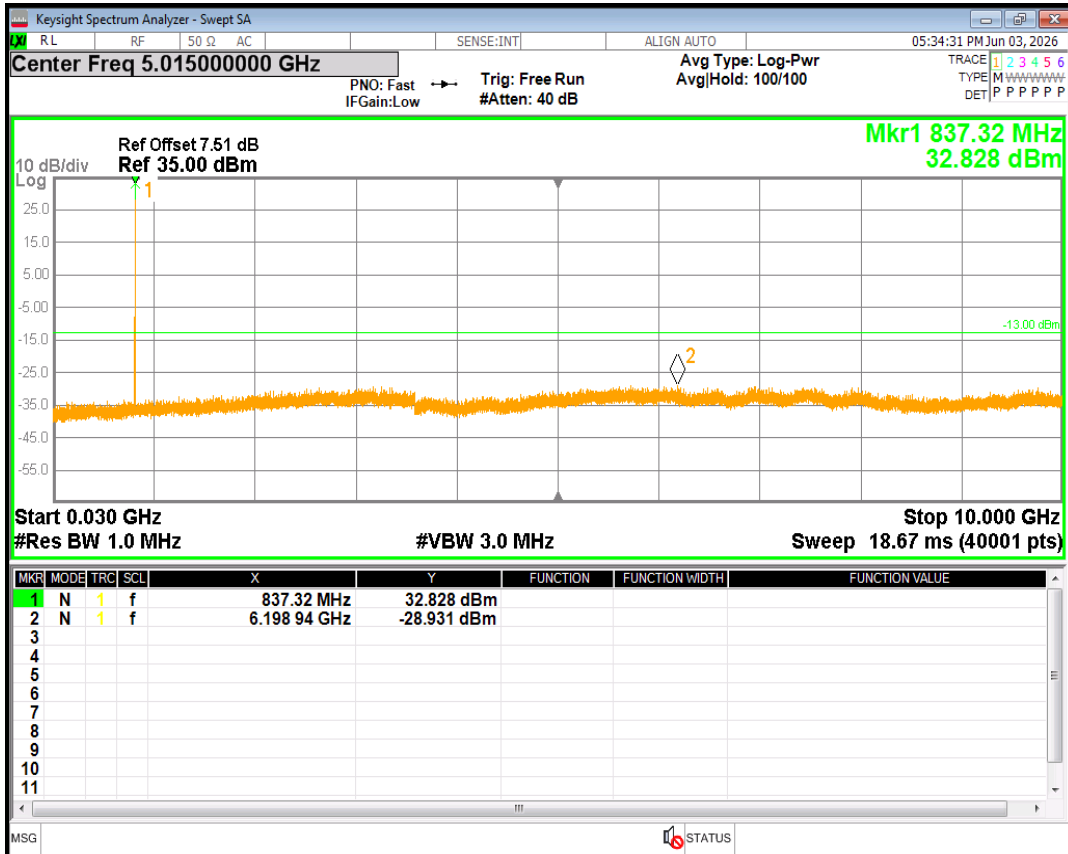
GPRS1900 Channel=810



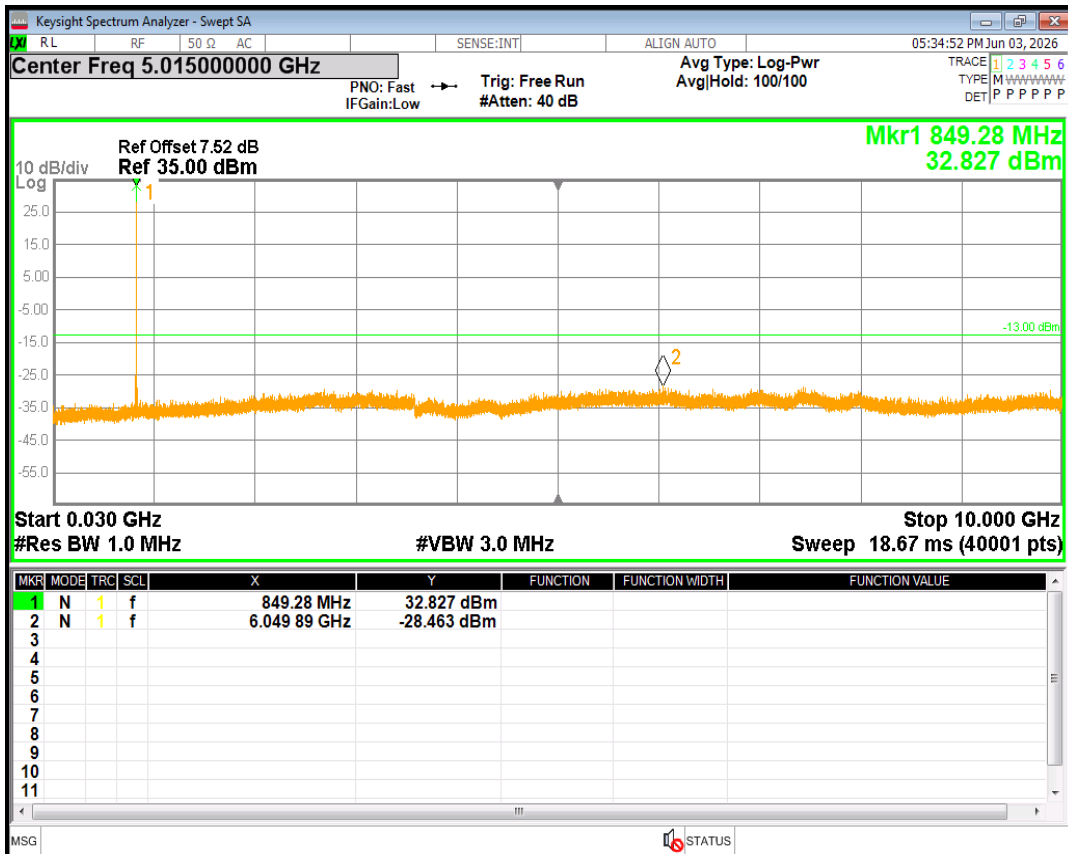
GPRS850 Channel=128



GPRS850 Channel=190



GPRS850 Channel=251



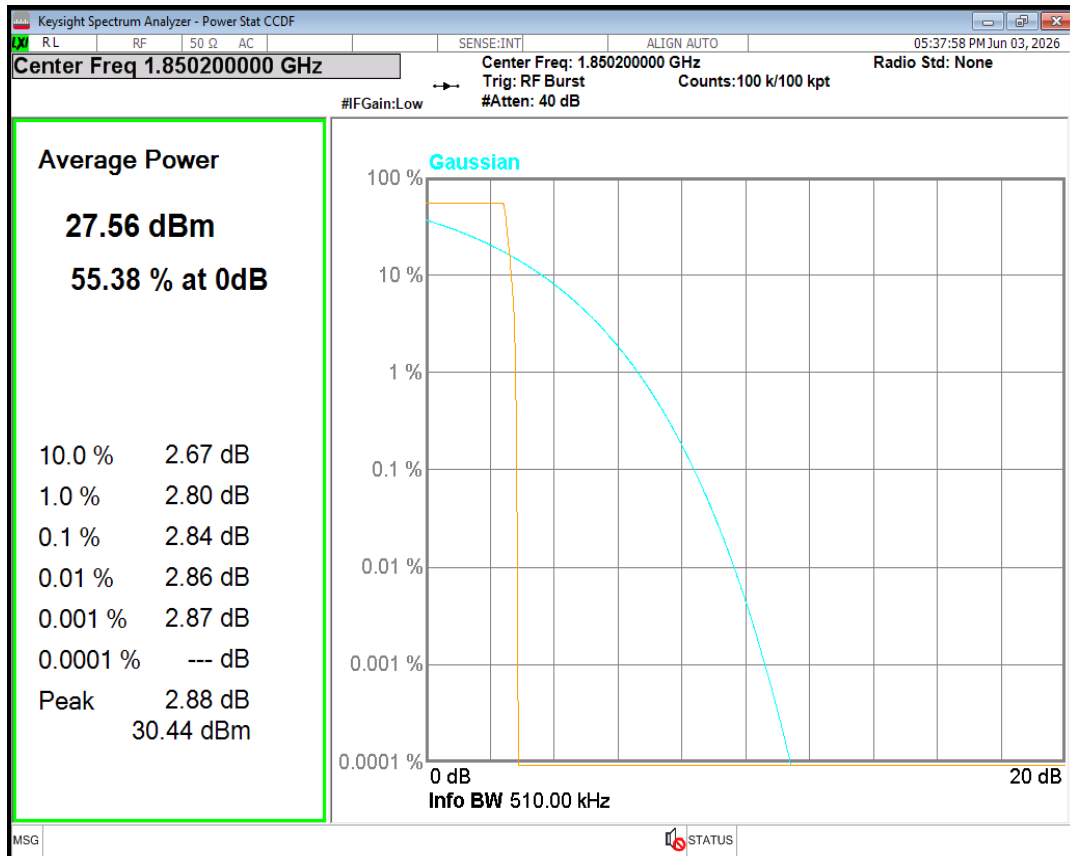
01 Conducted output power

Band	Channel	Frequency (MHz)	Power (dBm)	Verdict
GSM1900	512	1850.2	29.25	PASS
GSM1900	661	1880	28.68	PASS
GSM1900	810	1909.8	28.31	PASS
Band	Channel	Frequency (MHz)	Power (dBm)	Verdict
GSM850	128	824.2	31.91	PASS
GSM850	190	836.6	32.16	PASS
GSM850	251	848.8	31.96	PASS

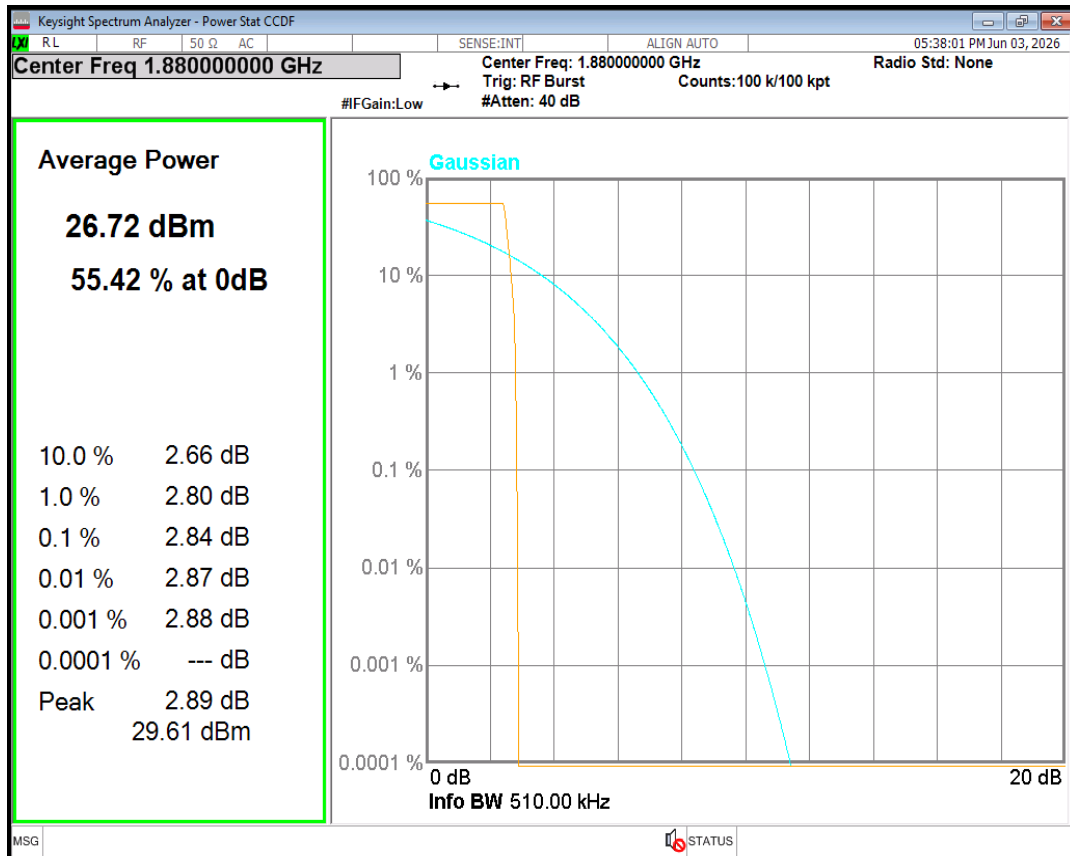
03 Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GSM1900	512	1850.2	2.84	13	PASS
GSM1900	661	1880	2.84	13	PASS
GSM1900	810	1909.8	2.85	13	PASS
GSM850	128	824.2	2.89	13	PASS
GSM850	190	836.6	2.90	13	PASS
GSM850	251	848.8	2.91	13	PASS

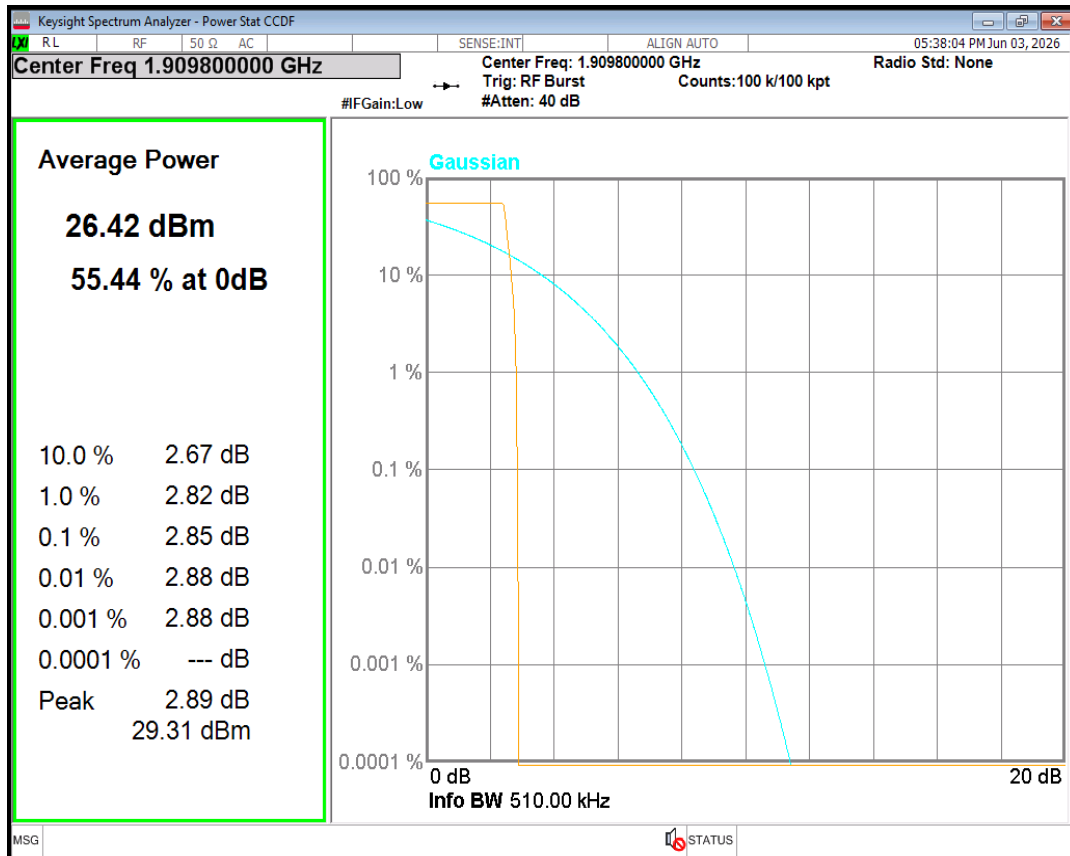
GSM1900 Channel=512



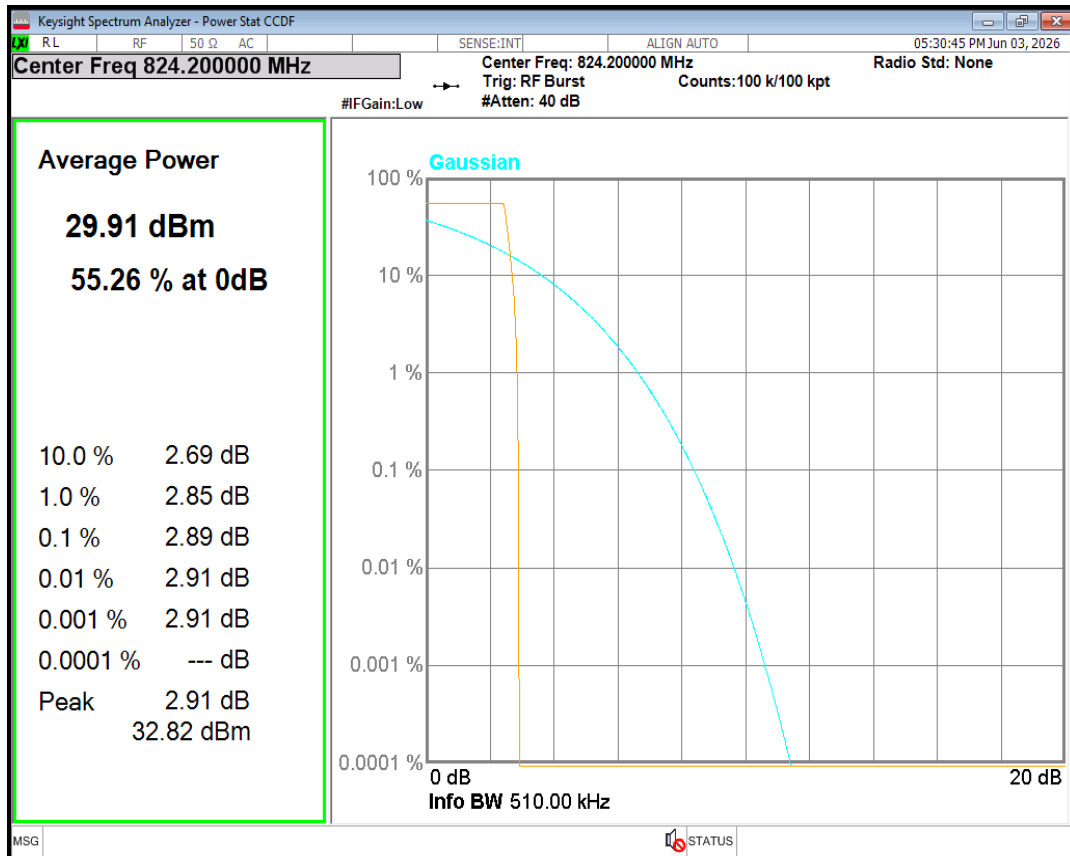
GSM1900 Channel=661



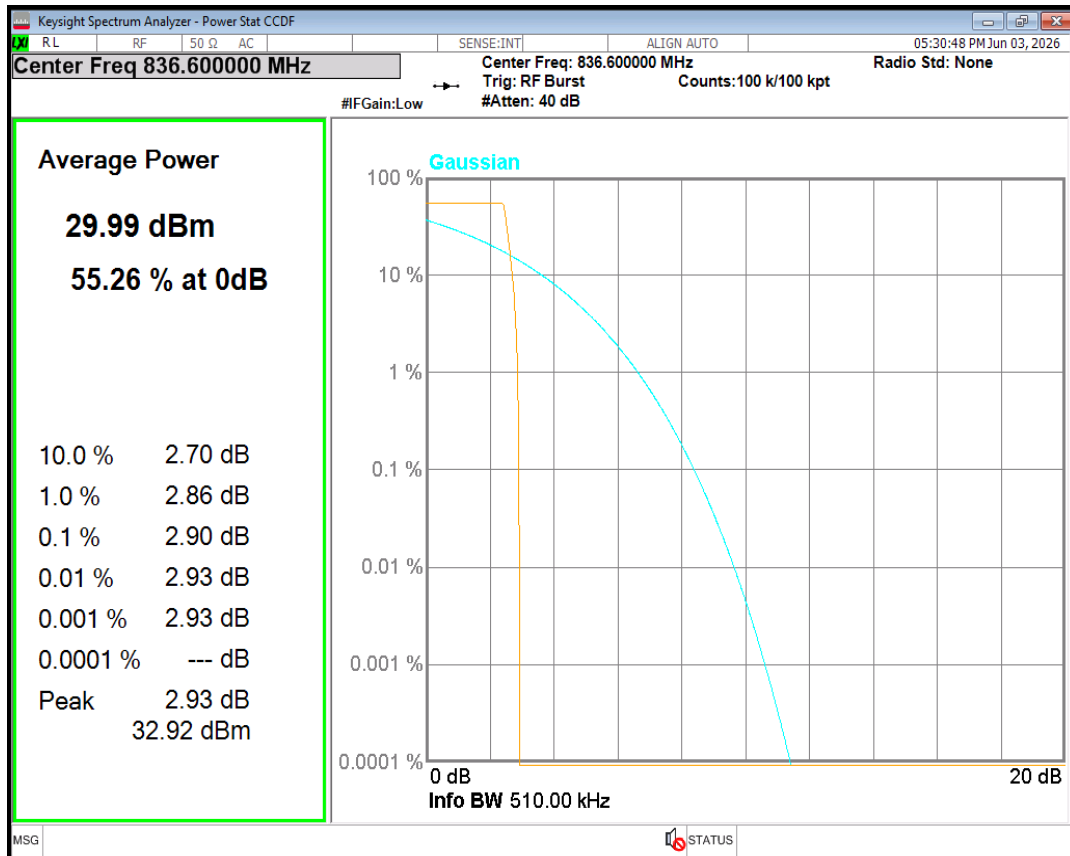
GSM1900 Channel=810



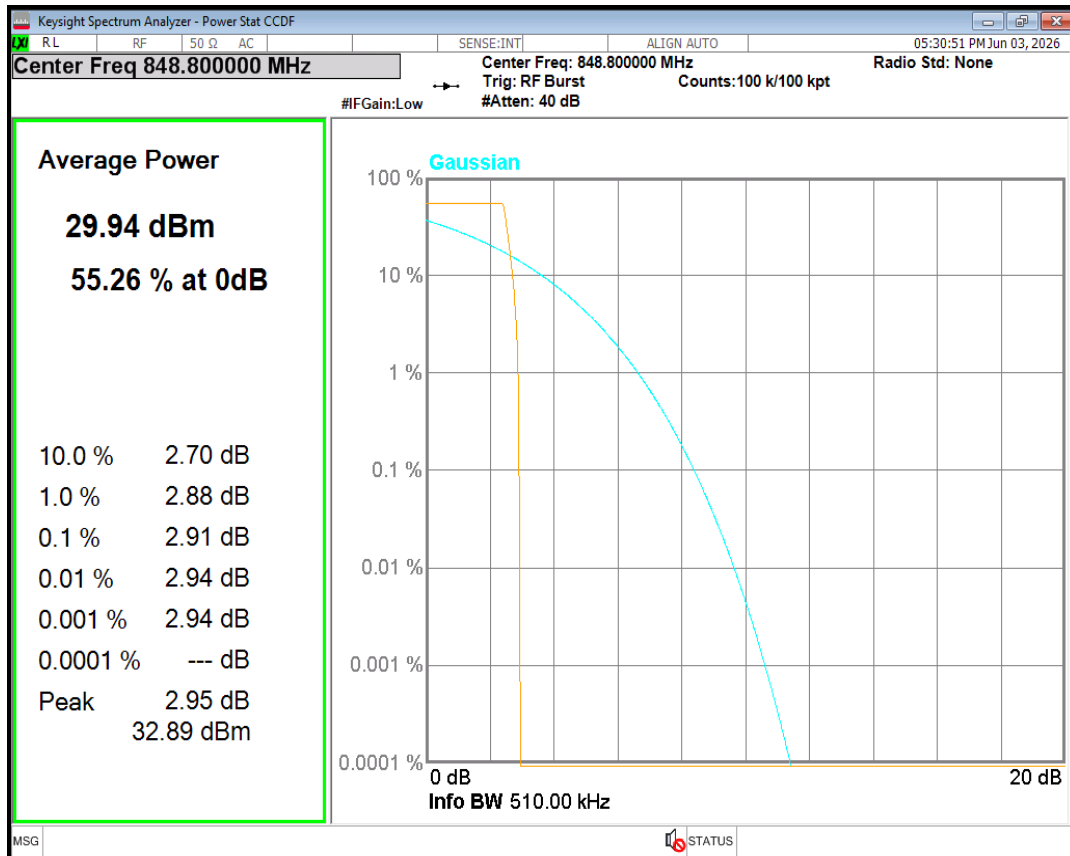
GSM850 Channel=128



GSM850 Channel=190



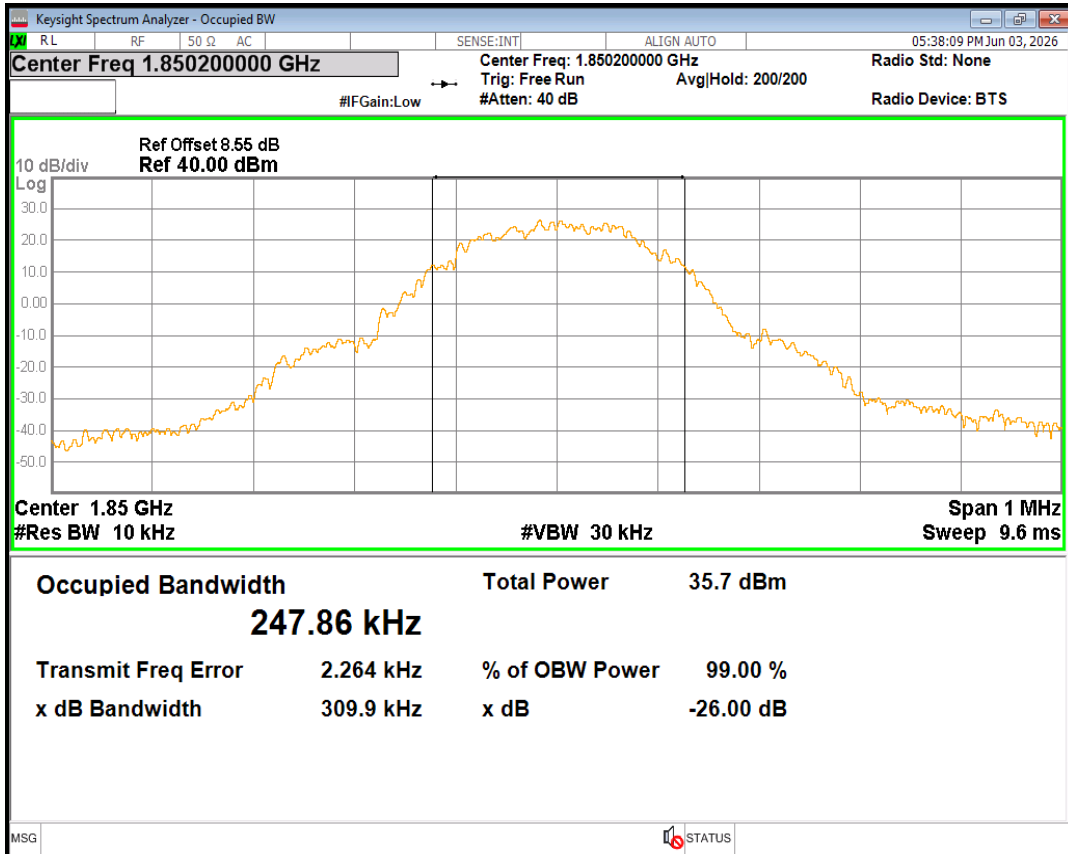
GSM850 Channel=251



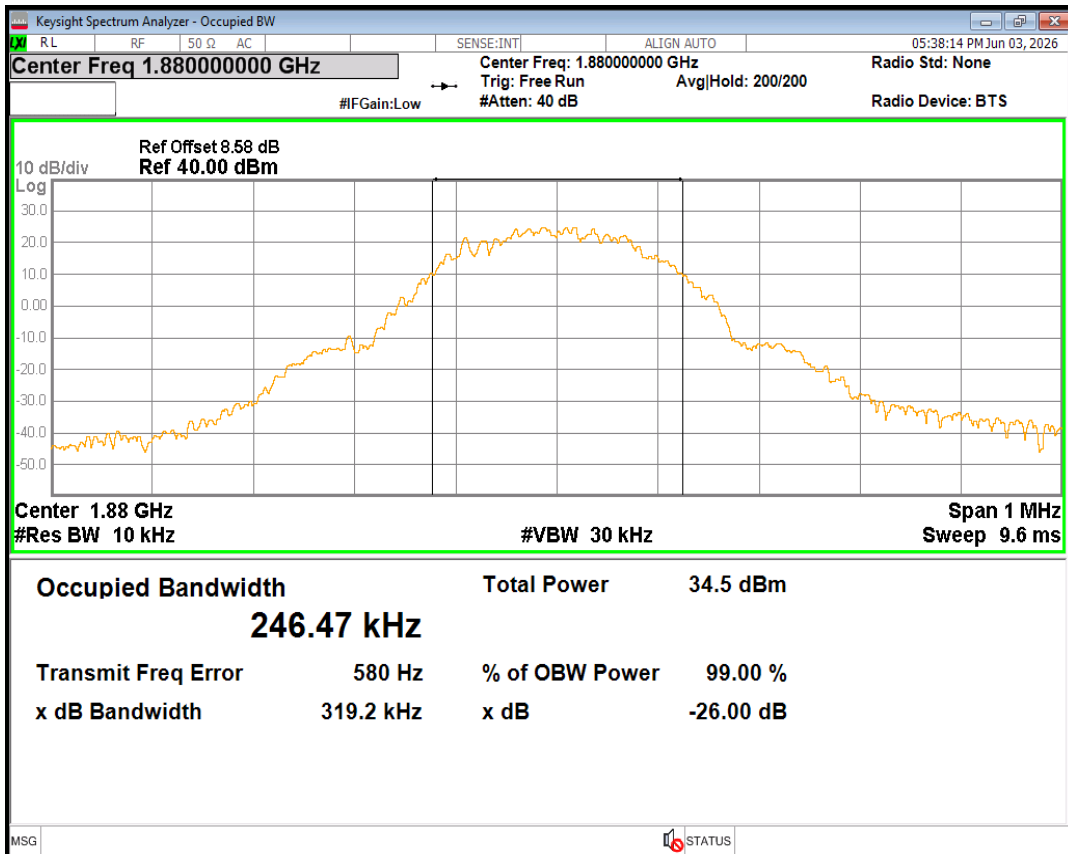
04 Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GSM1900	512	1850.2	247.857	309.933	PASS
GSM1900	661	1880	246.468	319.188	PASS
GSM1900	810	1909.8	247.815	318.557	PASS
GSM850	128	824.2	256.444	322.228	PASS
GSM850	190	836.6	245.031	314.526	PASS
GSM850	251	848.8	245.276	314.807	PASS

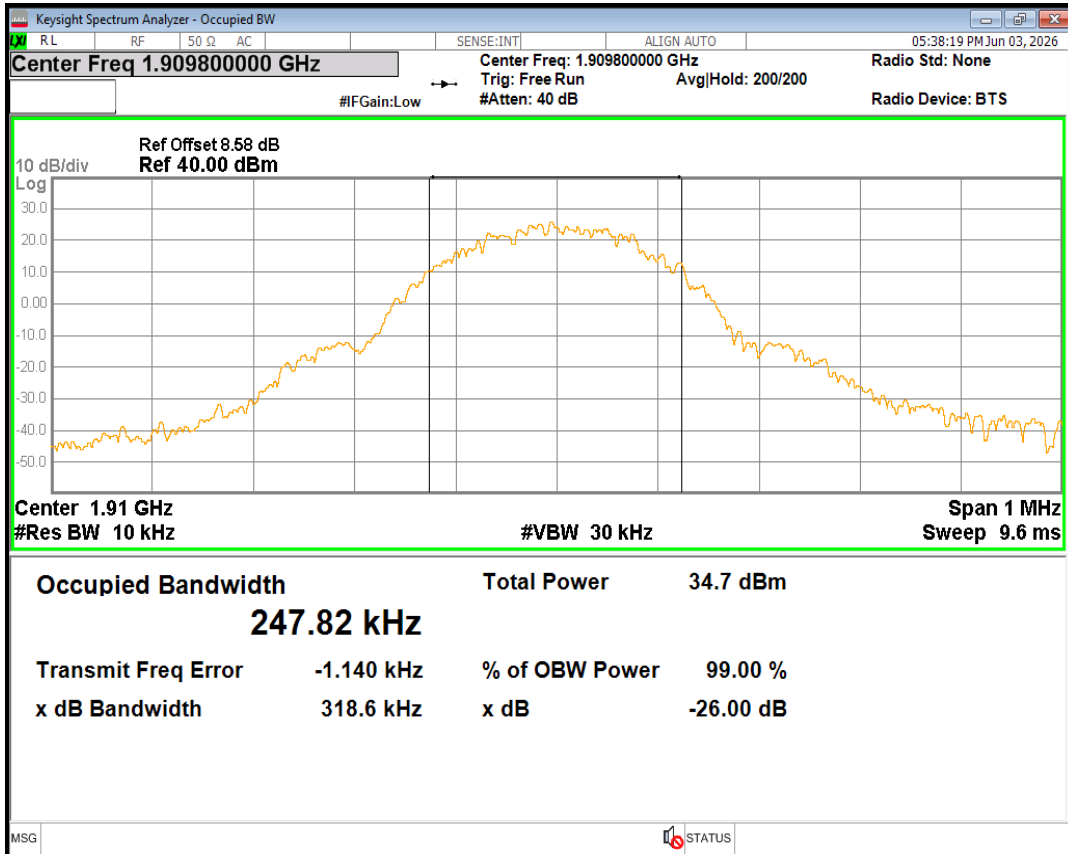
GSM1900 Channel=512



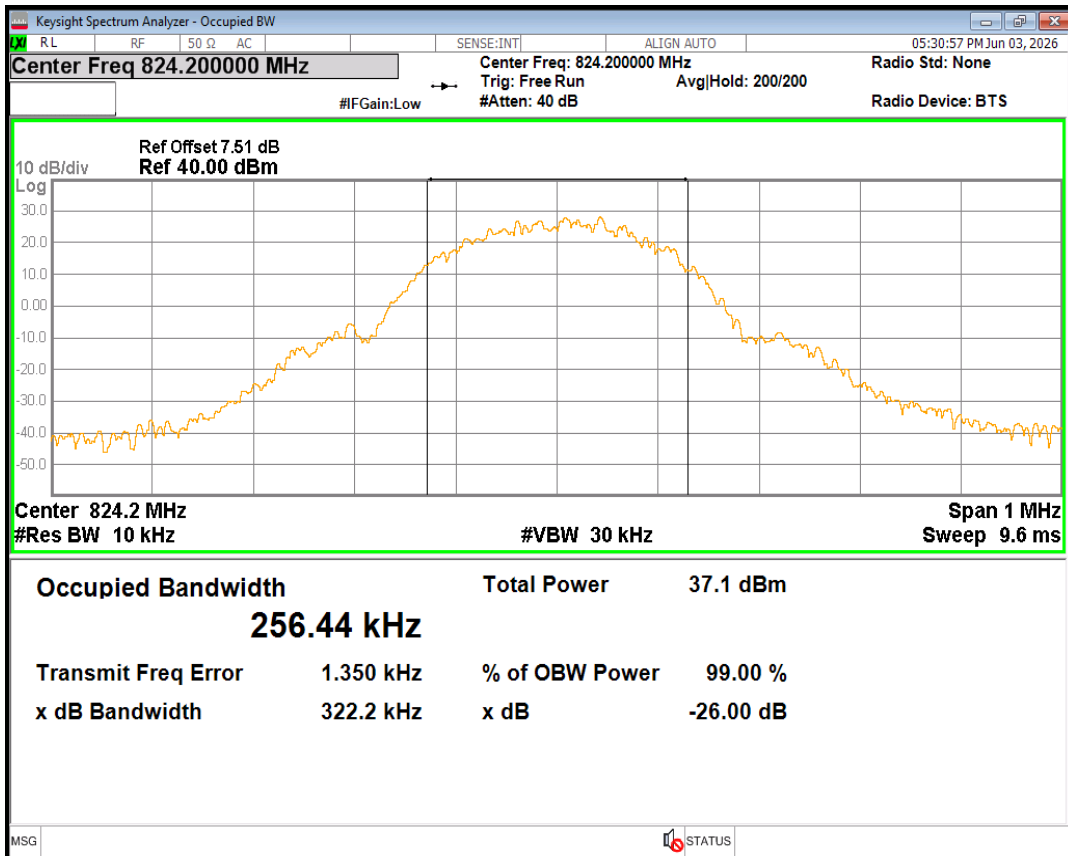
GSM1900 Channel=661



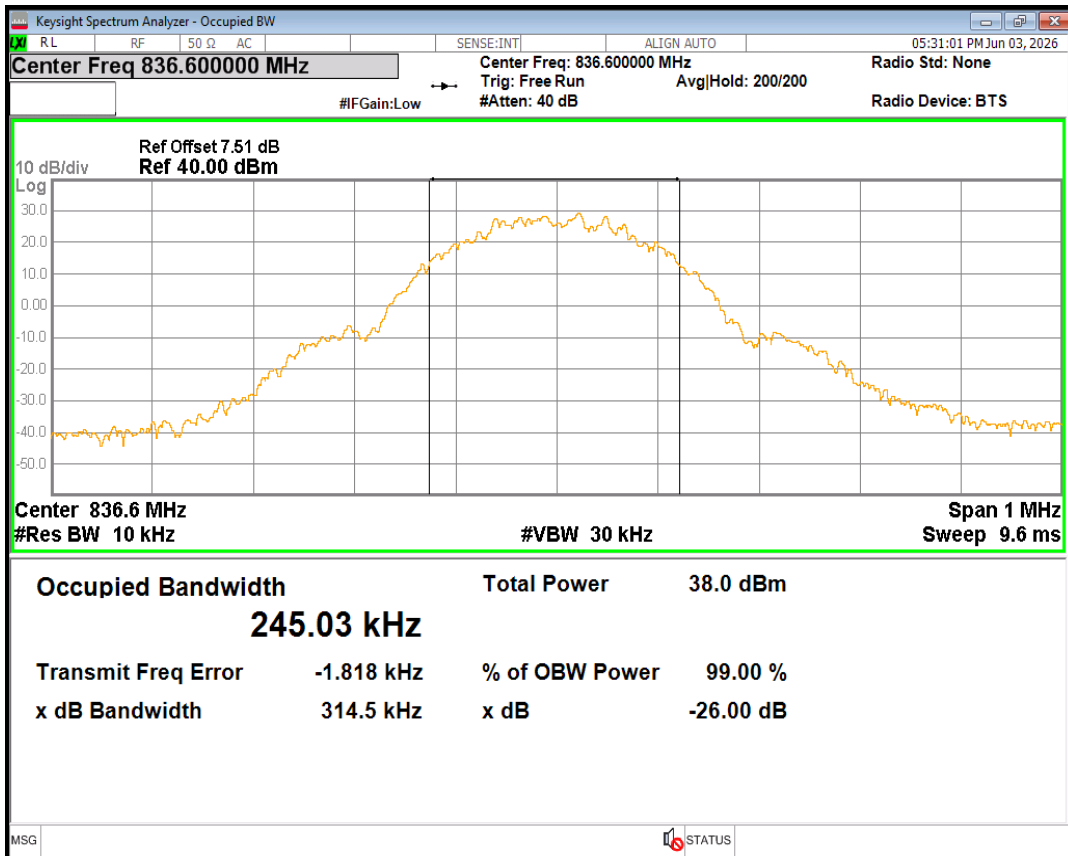
GSM1900 Channel=810



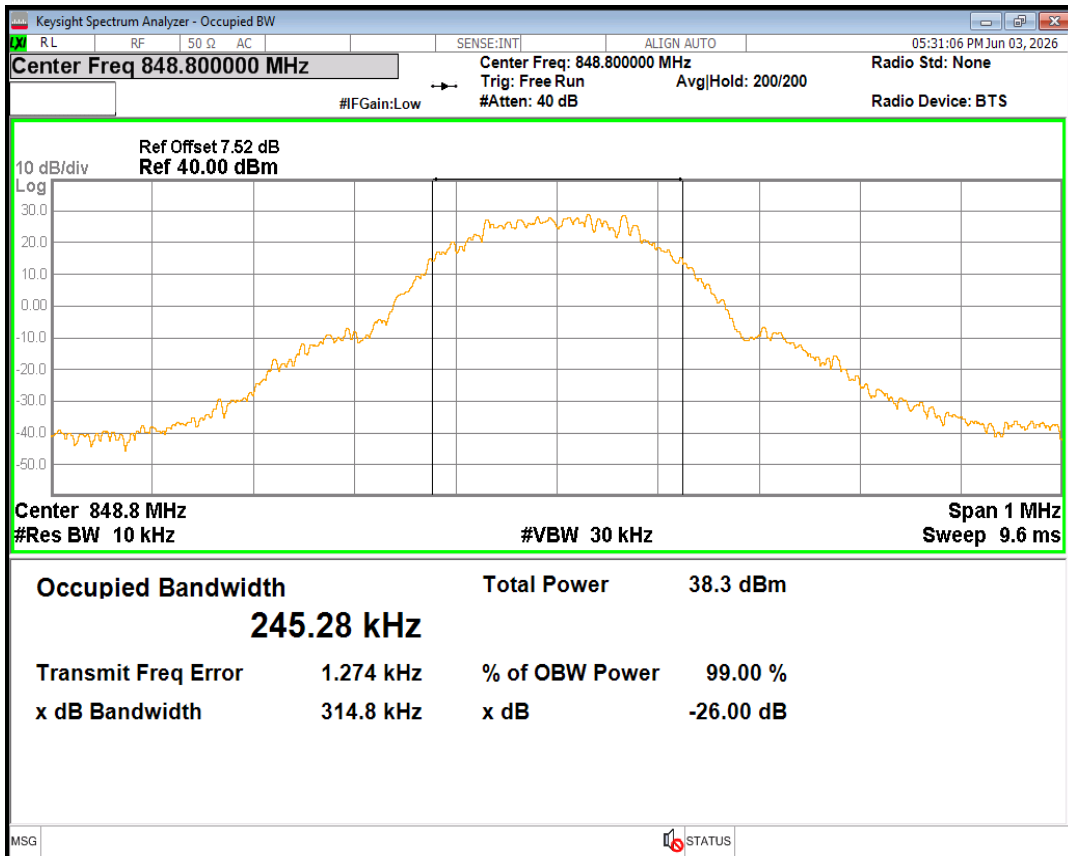
GSM850 Channel=128



GSM850 Channel=190



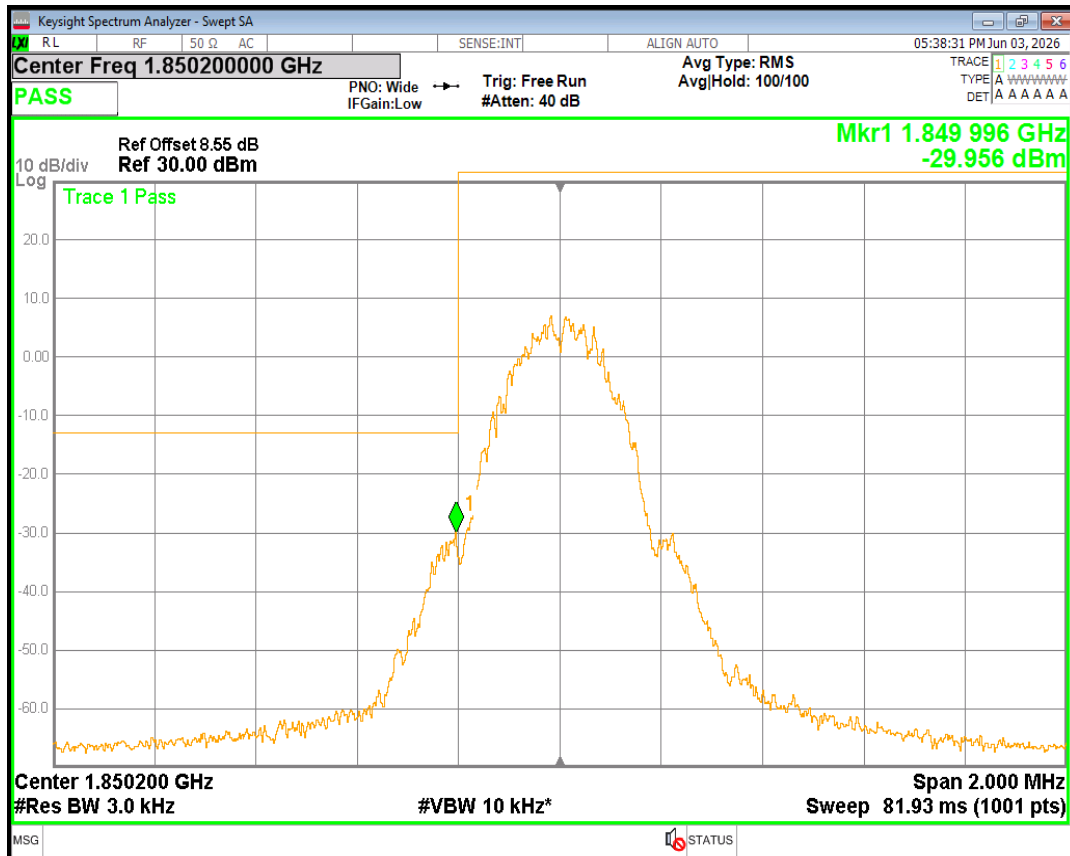
GSM850 Channel=251



05 Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GSM1900	512	1850.2	1850.00	-29.95	-13	PASS
GSM1900	810	1909.8	1910.02	-28.90	-13	PASS
GSM850	128	824.2	823.97	-27.36	-13	PASS
GSM850	251	848.8	849.02	-29.85	-13	PASS

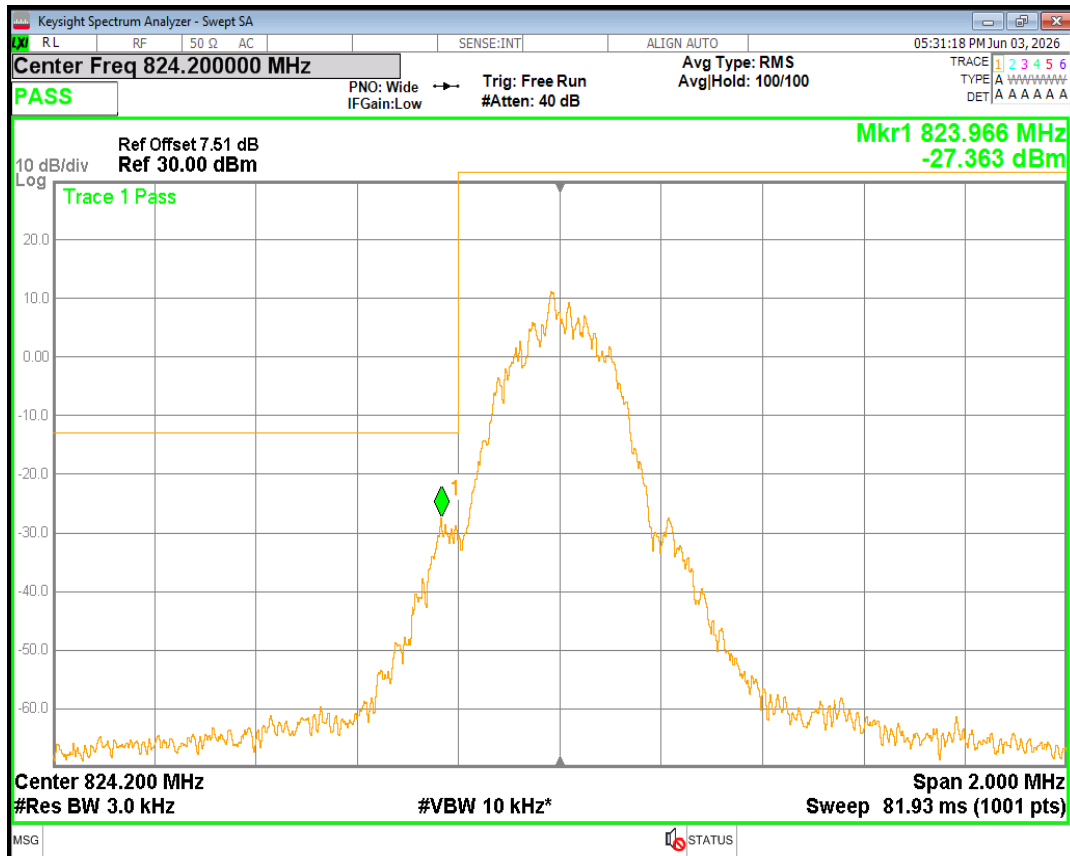
GSM1900 Channel=512



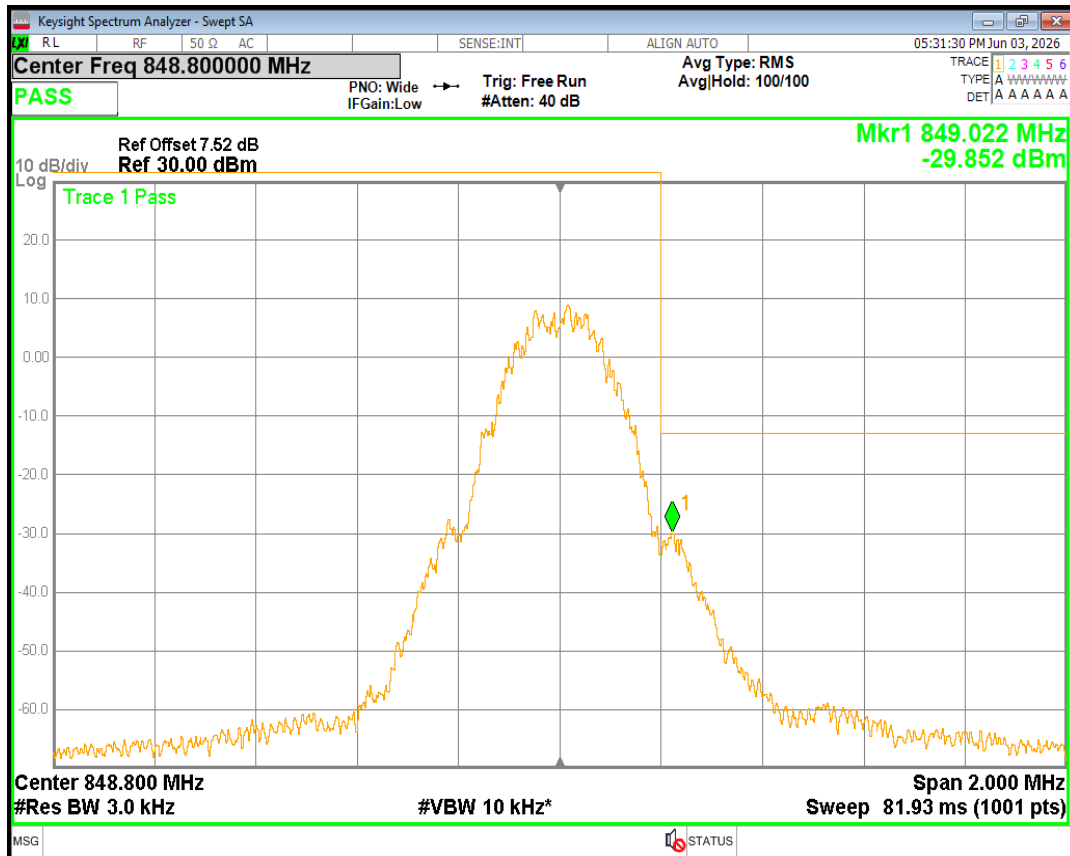
GSM1900 Channel=810



GSM850 Channel=128



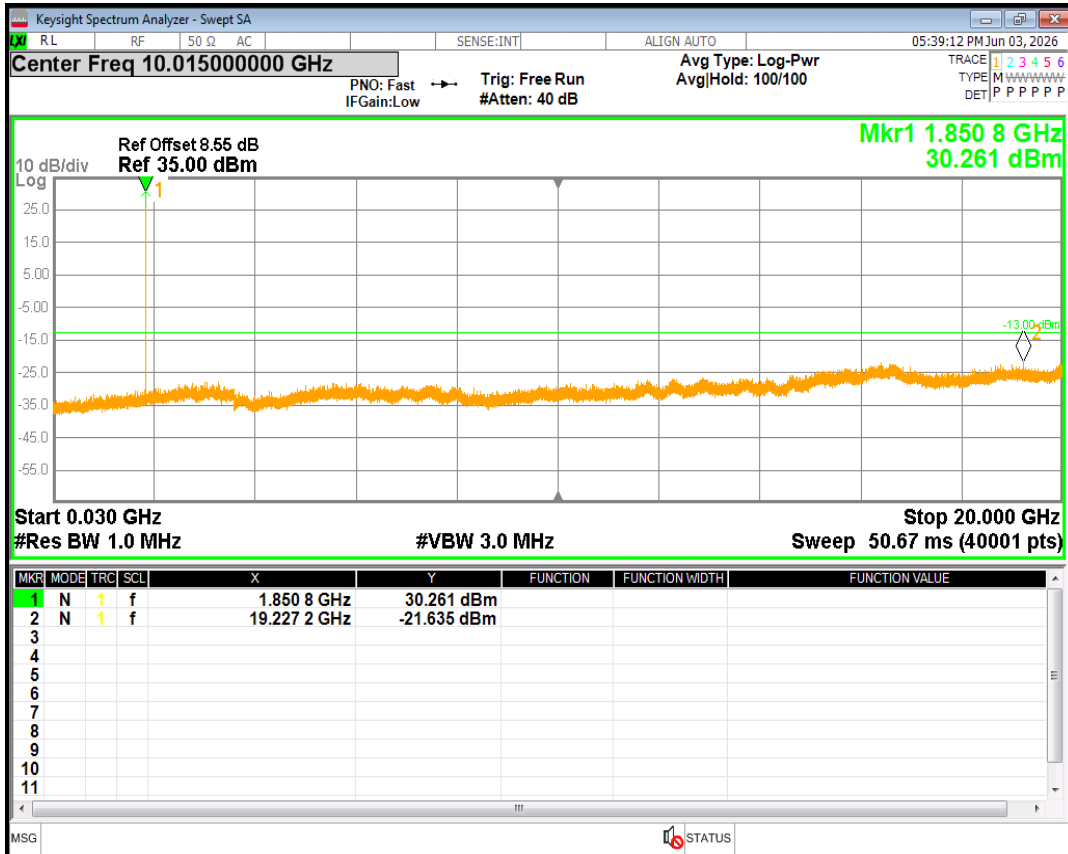
GSM850 Channel=251



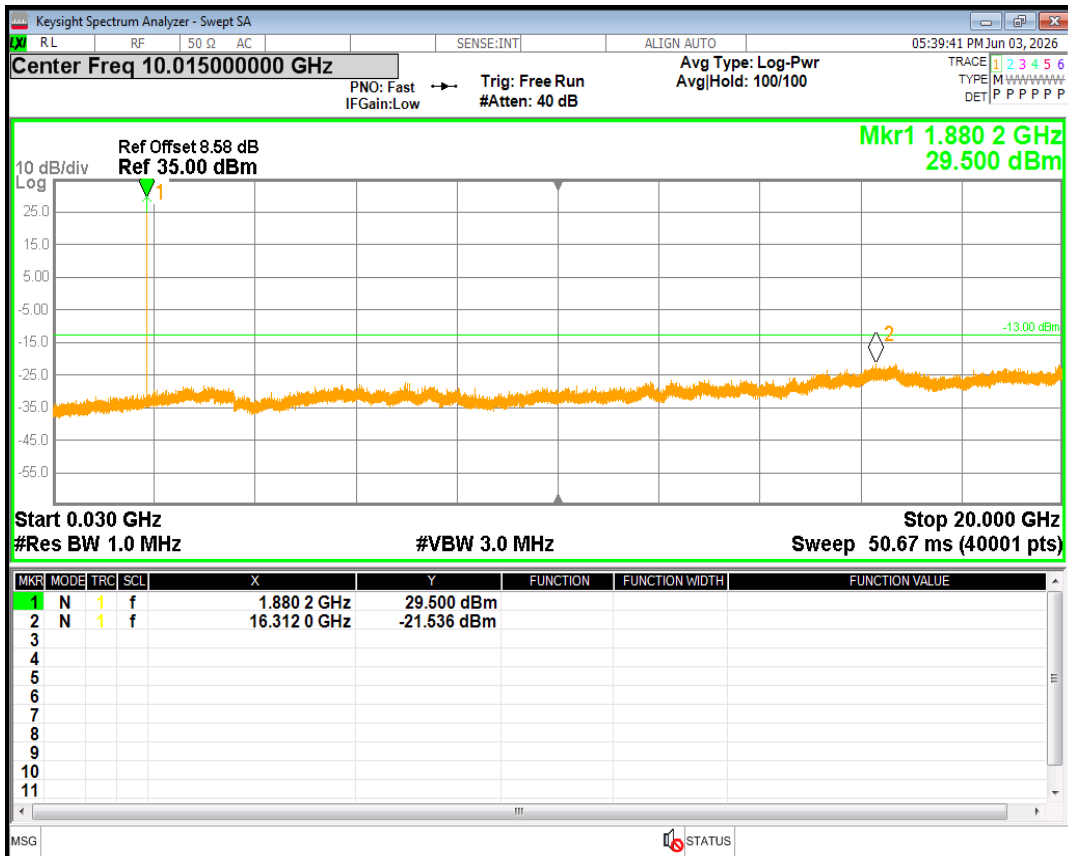
06 Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GSM1900	512	1850.2	19227.16	-21.63	-13	PASS
GSM1900	661	1880	16312.04	-21.53	-13	PASS
GSM1900	810	1909.8	16148.79	-20.77	-13	PASS
GSM850	128	824.2	5645.10	-29.00	-13	PASS
GSM850	190	836.6	6980.83	-28.94	-13	PASS
GSM850	251	848.8	2803.90	-28.75	-13	PASS

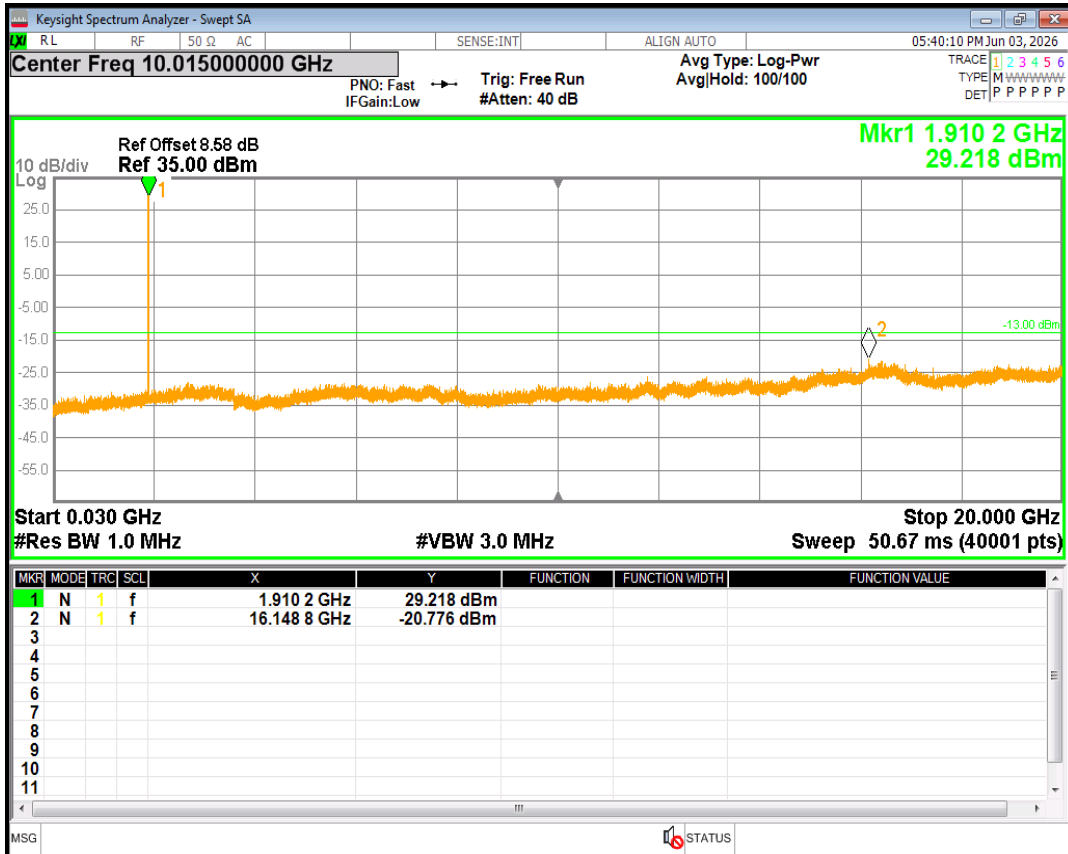
GSM1900 Channel=512



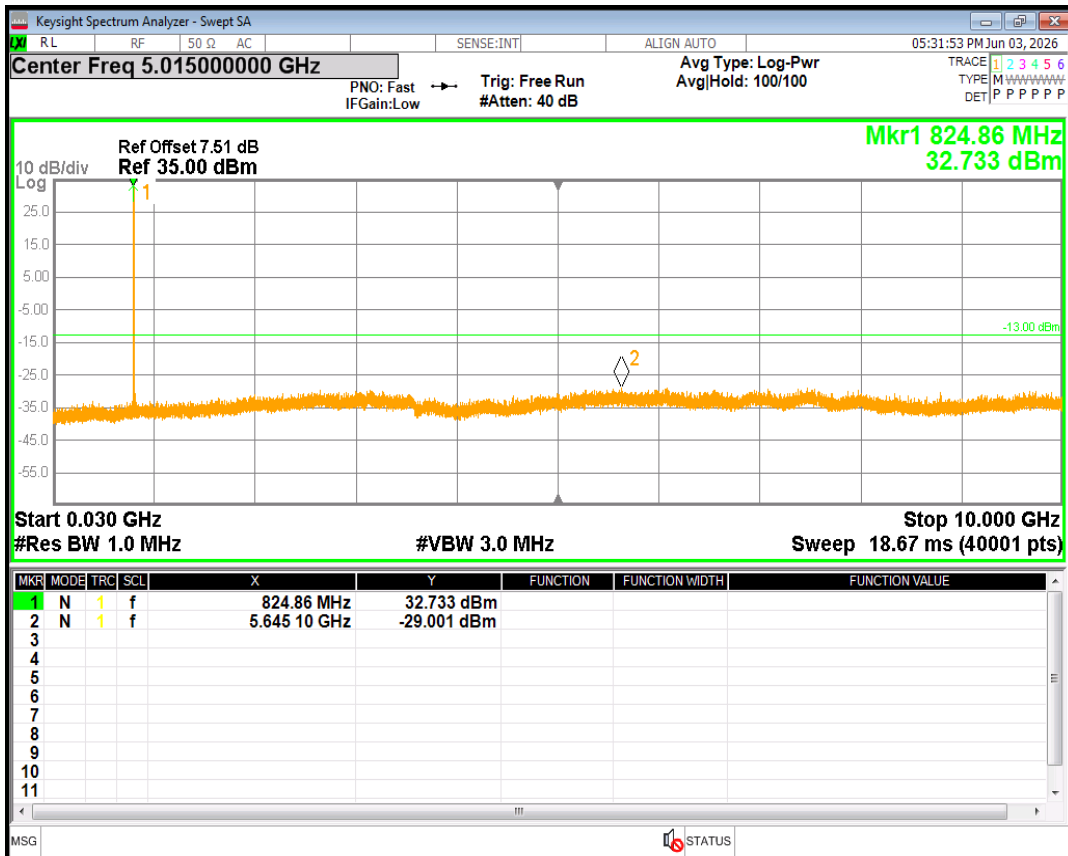
GSM1900 Channel=661



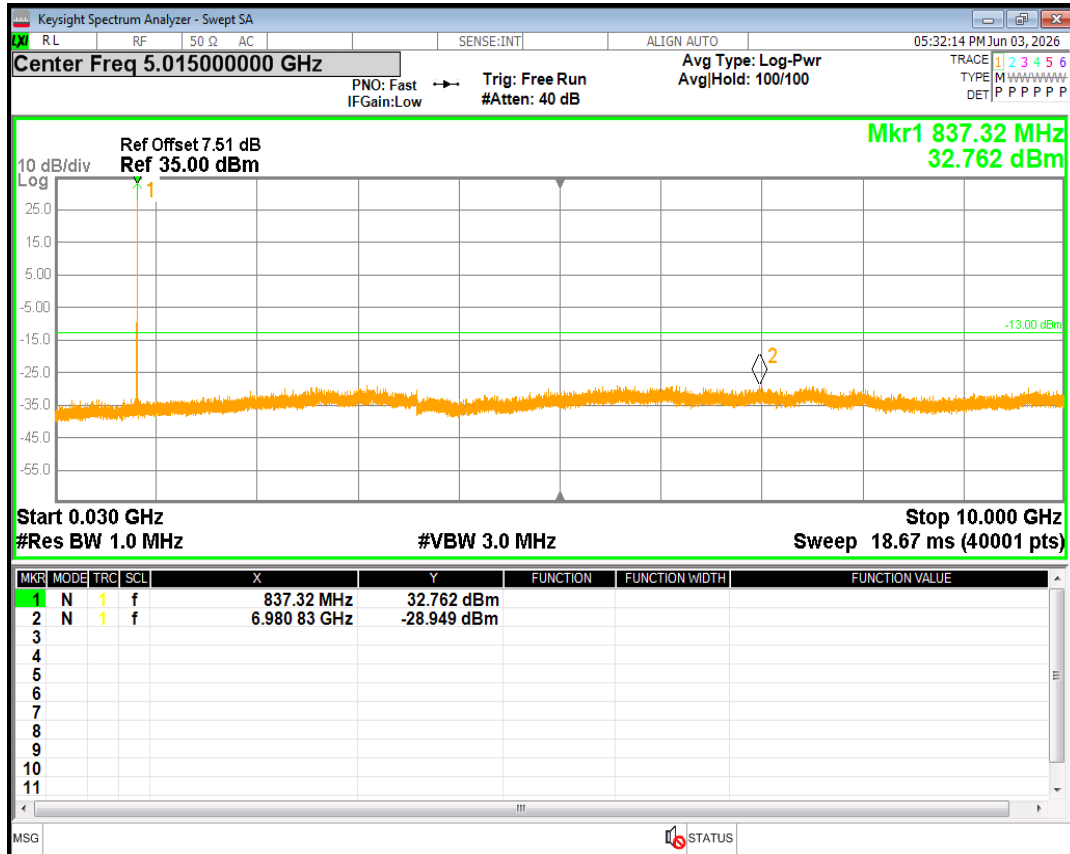
GSM1900 Channel=810



GSM850 Channel=128



GSM850 Channel=190



GSM850 Channel=251

