

ANNEX 3-1

FCC ID: 2BD2Q-CUSTOS

Applicant: Vernte Tech

Address: 9222 Alloway Dr Hagerstown, Maryland, USA (21740)

Manufacturer: Zhongshan Saier Intelligent Technology Co., Ltd

Address: Area A, Floor 4, NO.1 Factory Building, NO.77 Huanzhou North Road, Tanzhou Town, Zhongshan City, Guangdong, China

EUT: Custos Smart Headphones

Trade Mark: Vernte

Model Number: Custos Exquisite

Date of Receipt: Jan. 14, 2024

Test Date: Jan. 14, 2024 - Jan. 28, 2024

Date of Report: Jan. 28, 2024

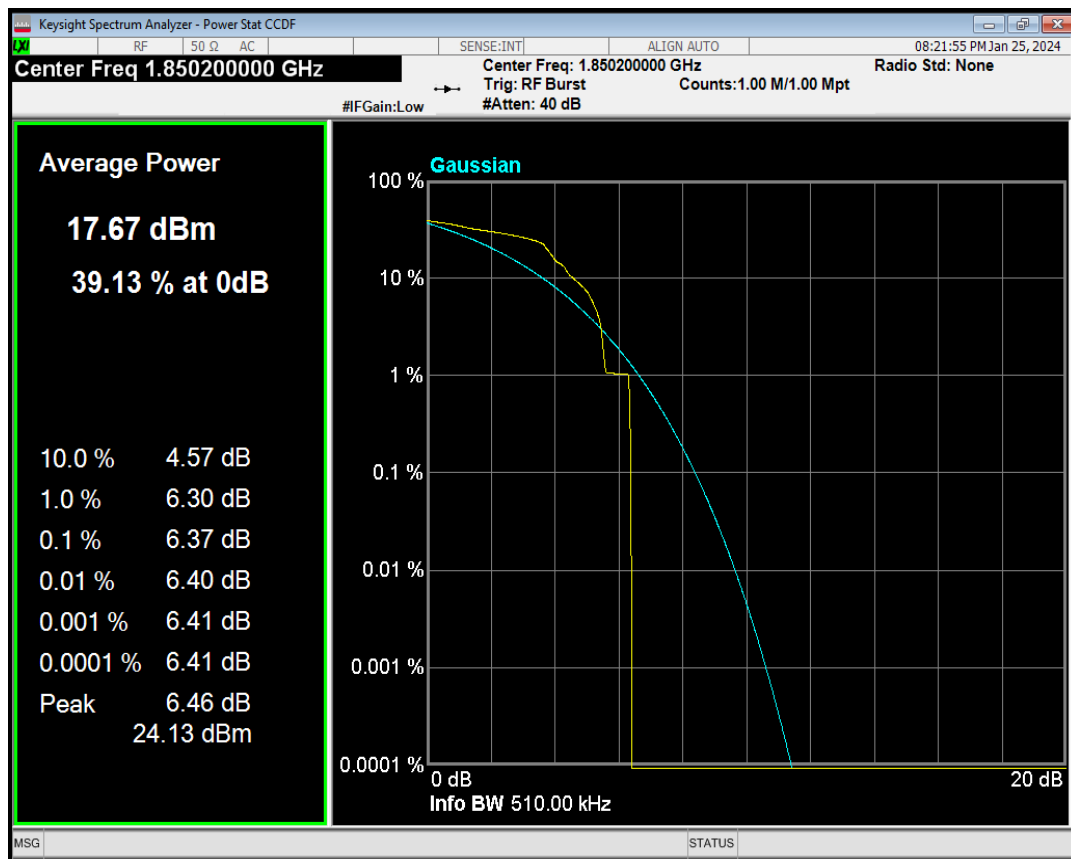
Prepared By: Shenzhen DL Testing Technology Co., Ltd.

Address: 101-201, Building C, Shuanghuan, No.8, Baoqing Road, Baolong Industrial Zone, Baolong Street, Longgang District, Shenzhen, Guangdong, China

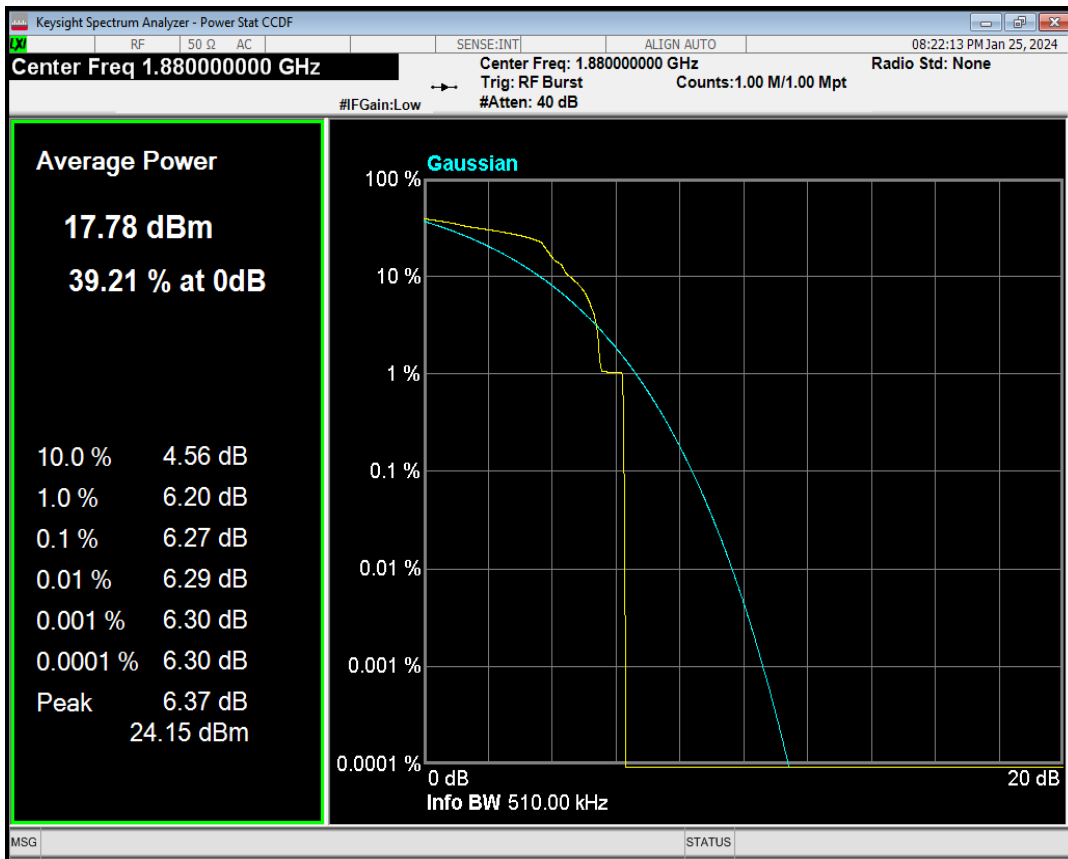
15 Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
EGPRS1900	512	1850.2	6.373290113	13.00	PASS
EGPRS1900	661	1880	6.265240113	13.00	PASS
EGPRS1900	810	1909.8	6.194764543	13.00	PASS
EGPRS850	128	824.2	8.733144476	13.00	PASS
EGPRS850	190	836.6	8.86735905	13.00	PASS
EGPRS850	251	848.8	8.632971619	13.00	PASS

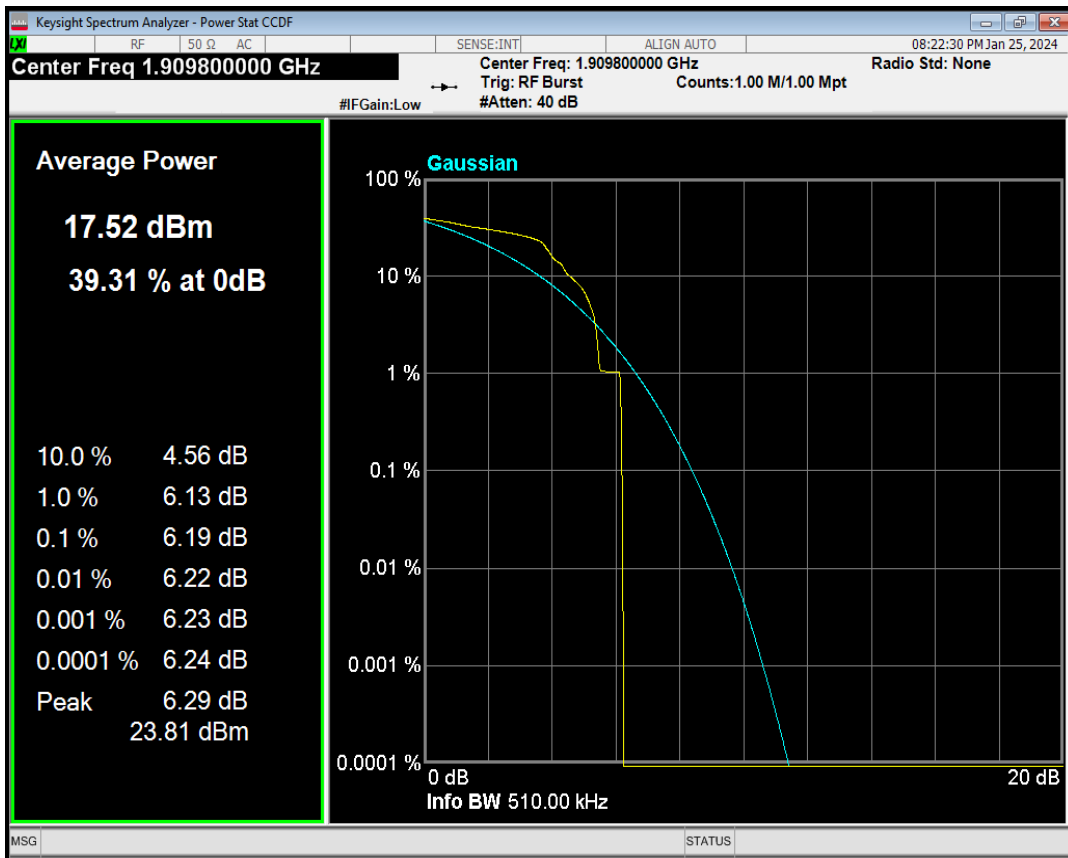
EGPRS1900 Channel=512



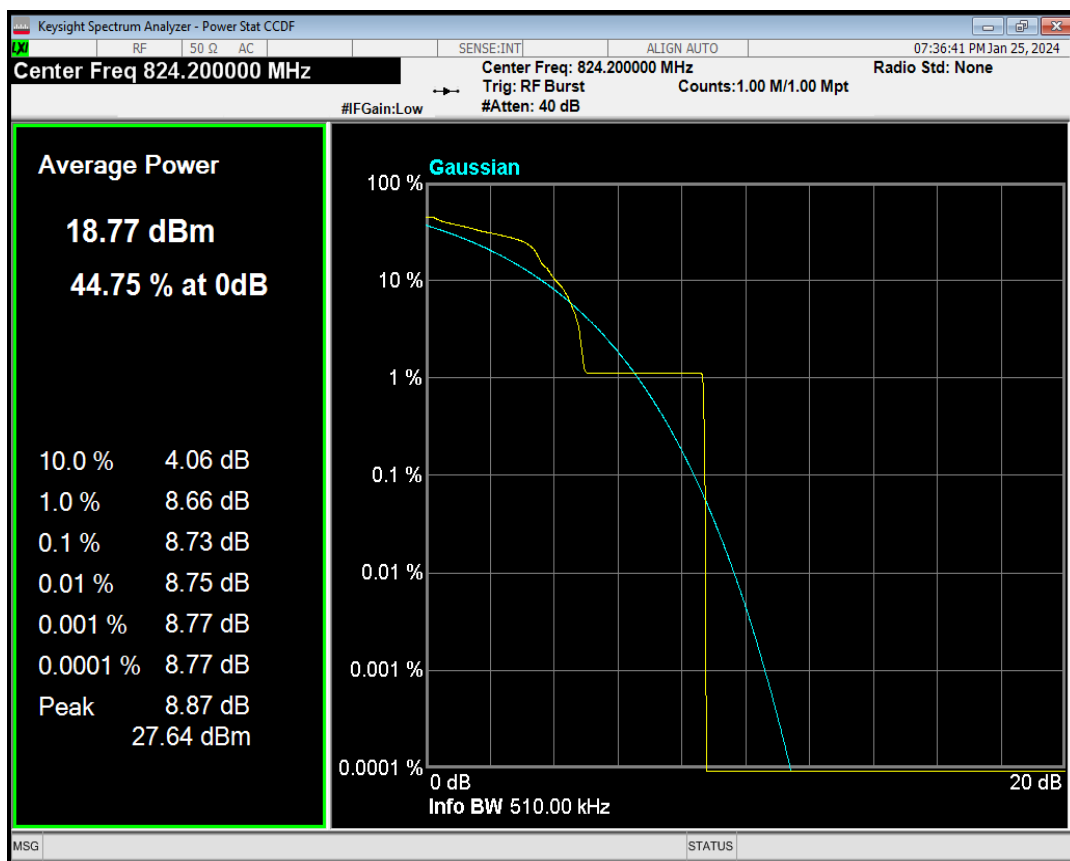
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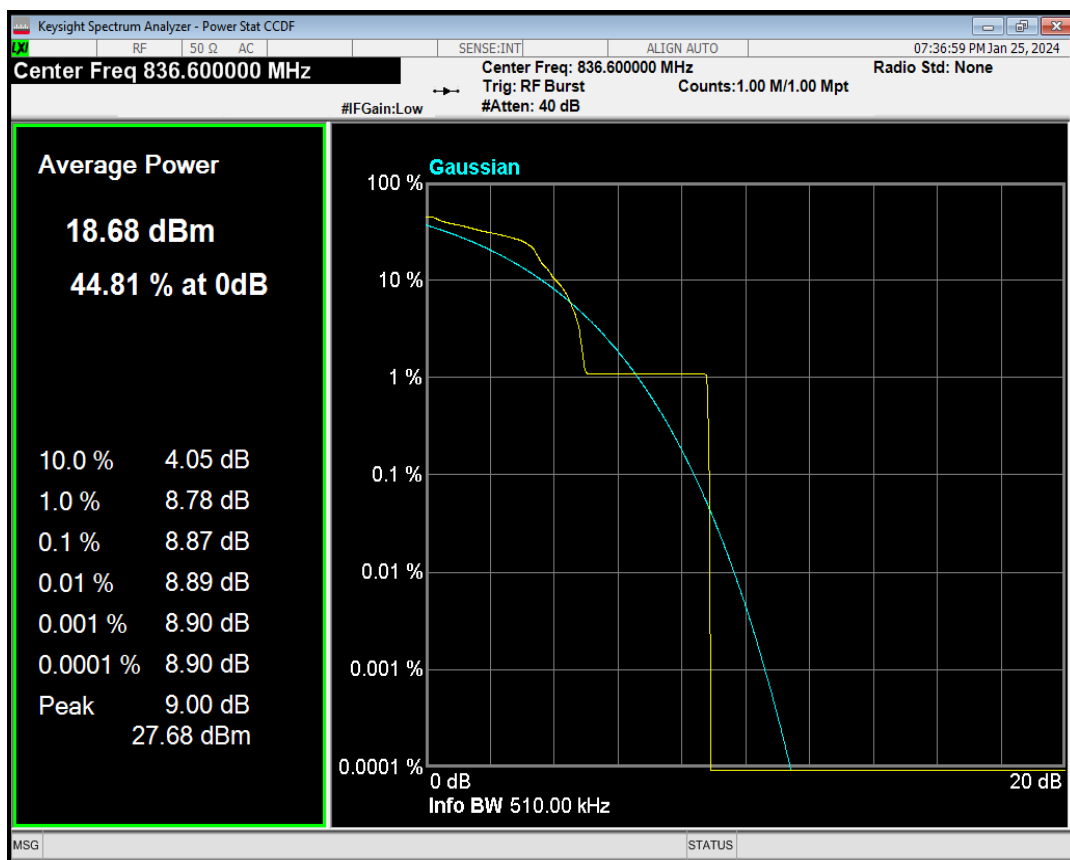
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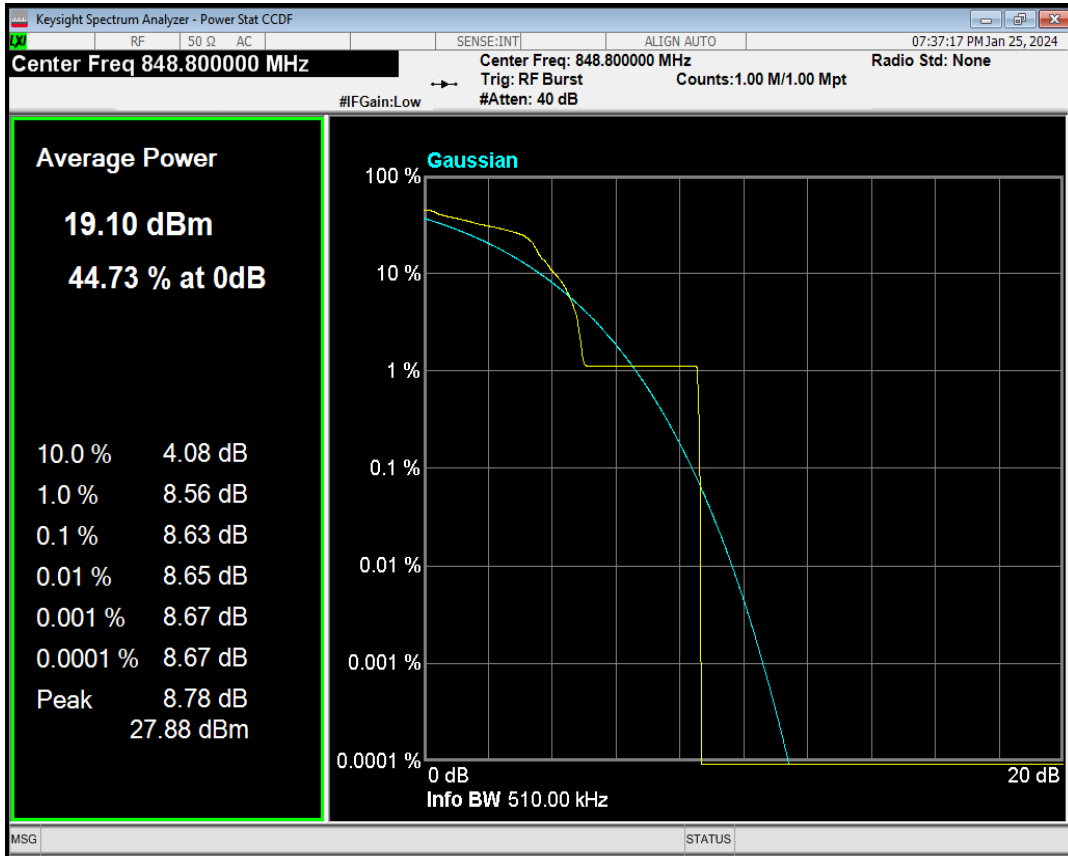
EGPRS850 Channel=128



EGPRS850 Channel=190



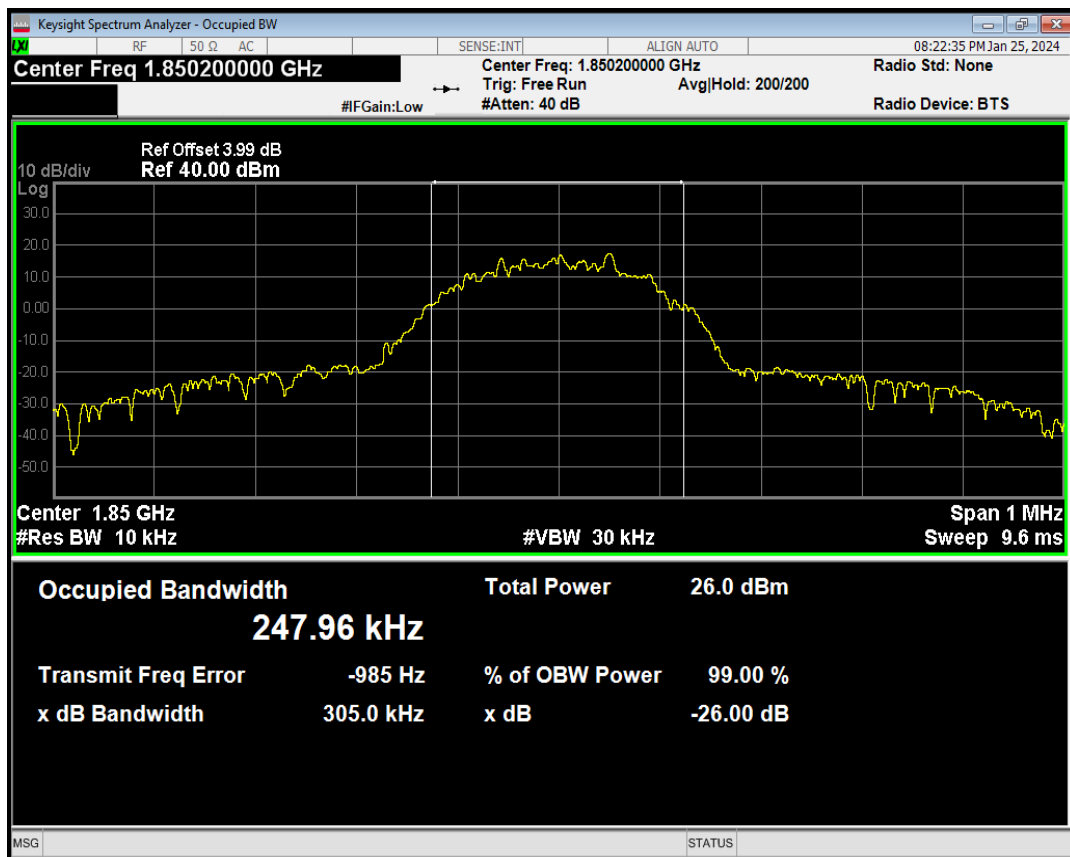
EGPRS850 Channel=251



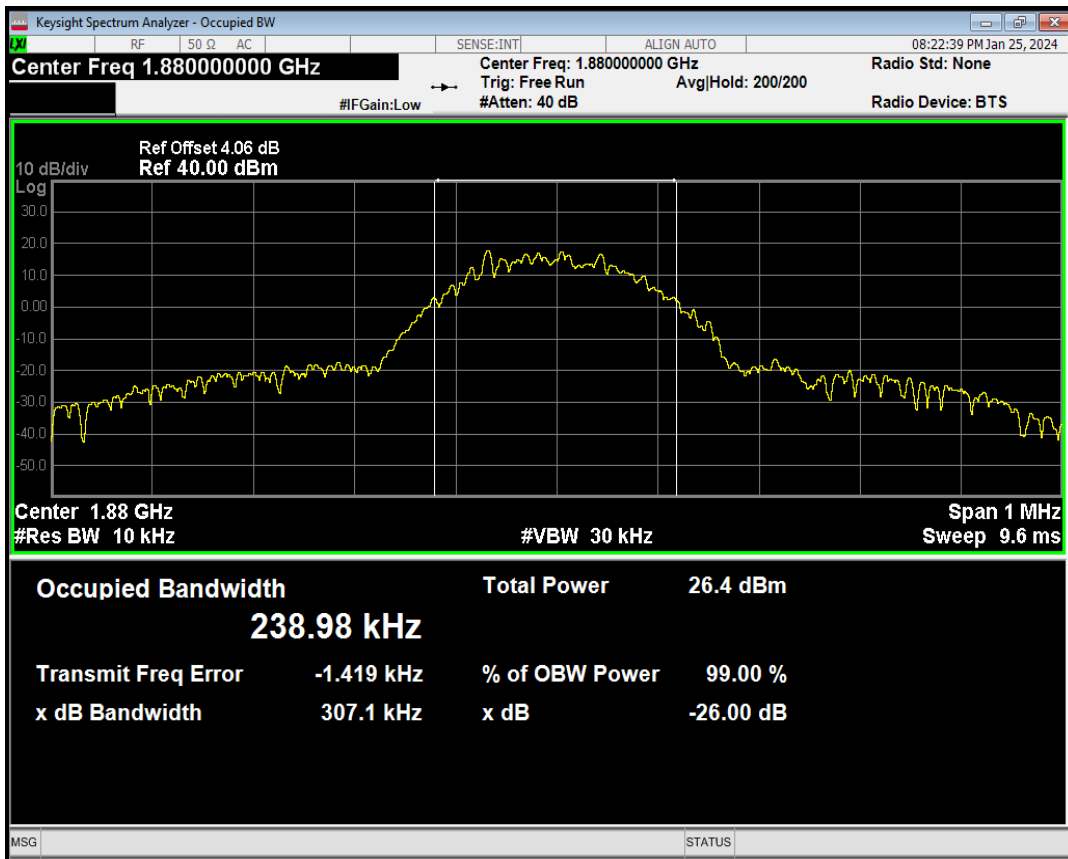
16 Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
EGPRS1900	512	1850.2	247.958	304.977	PASS
EGPRS1900	661	1880	238.978	307.149	PASS
EGPRS1900	810	1909.8	248.049	307.902	PASS
EGPRS850	128	824.2	257.179	338.063	PASS
EGPRS850	190	836.6	248.313	309.792	PASS
EGPRS850	251	848.8	251.305	332.161	PASS

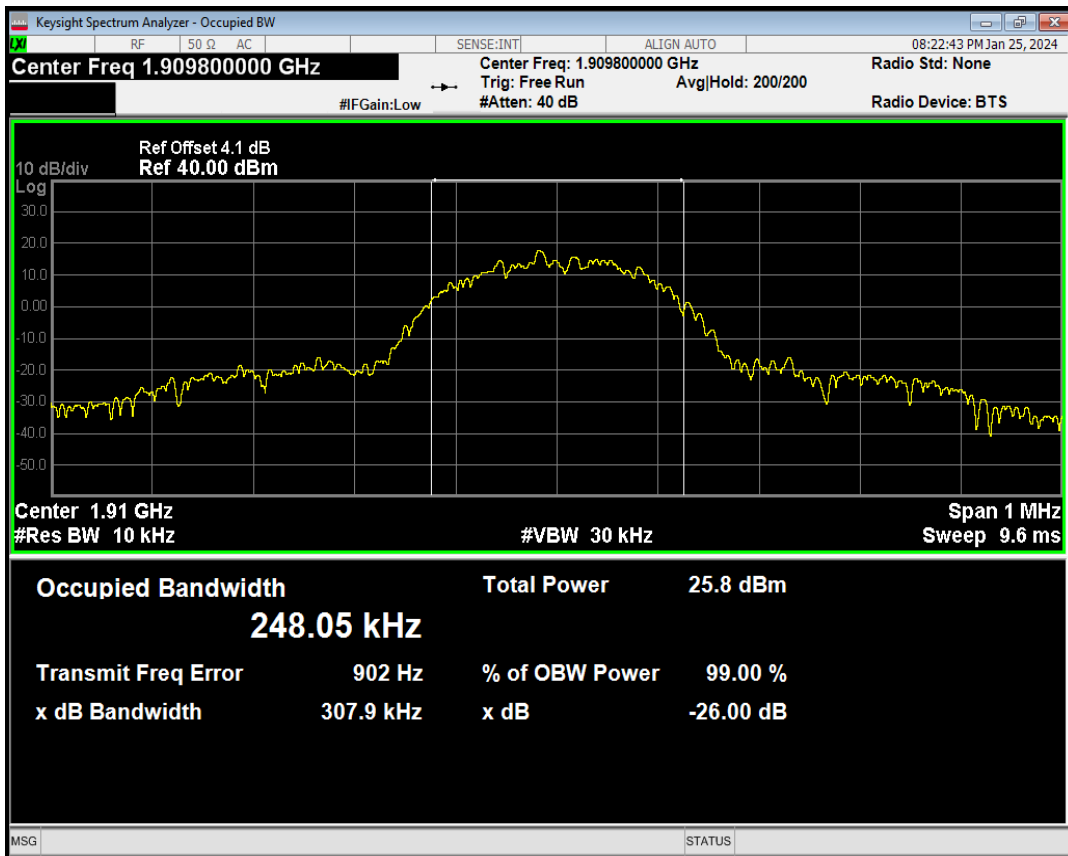
EGPRS1900 Channel=512



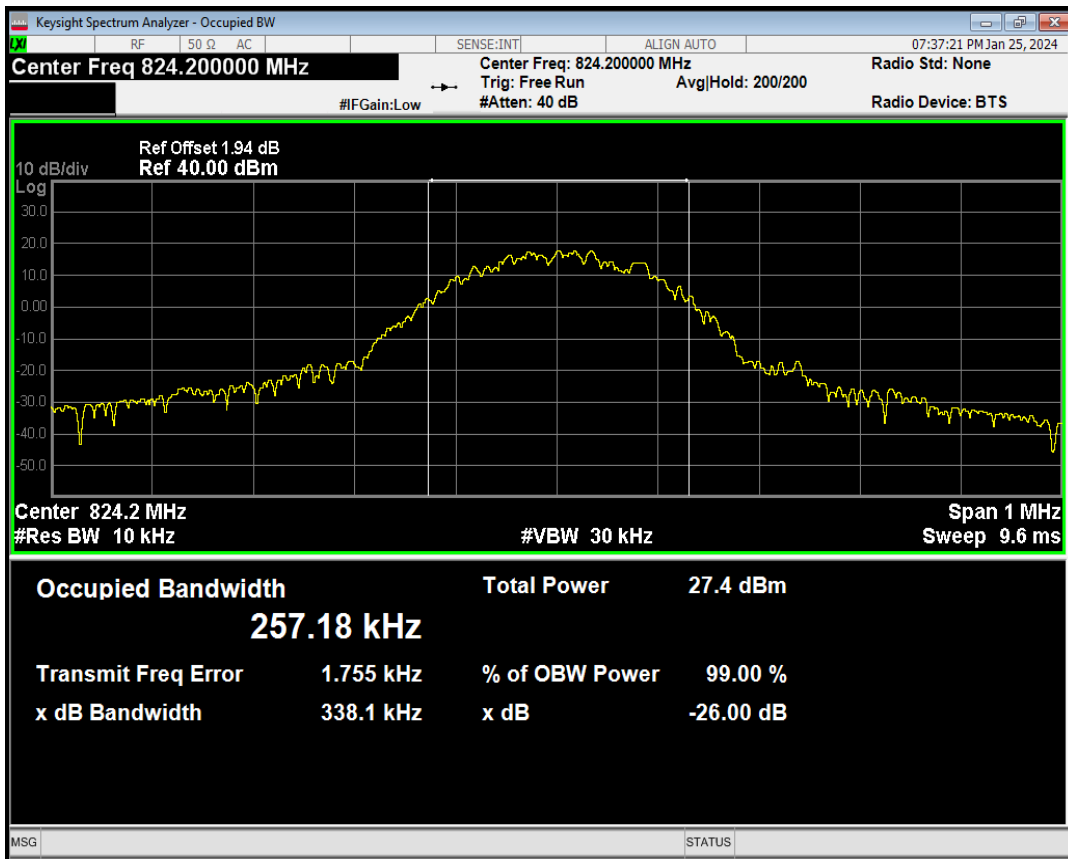
EGPRS1900 Channel=661



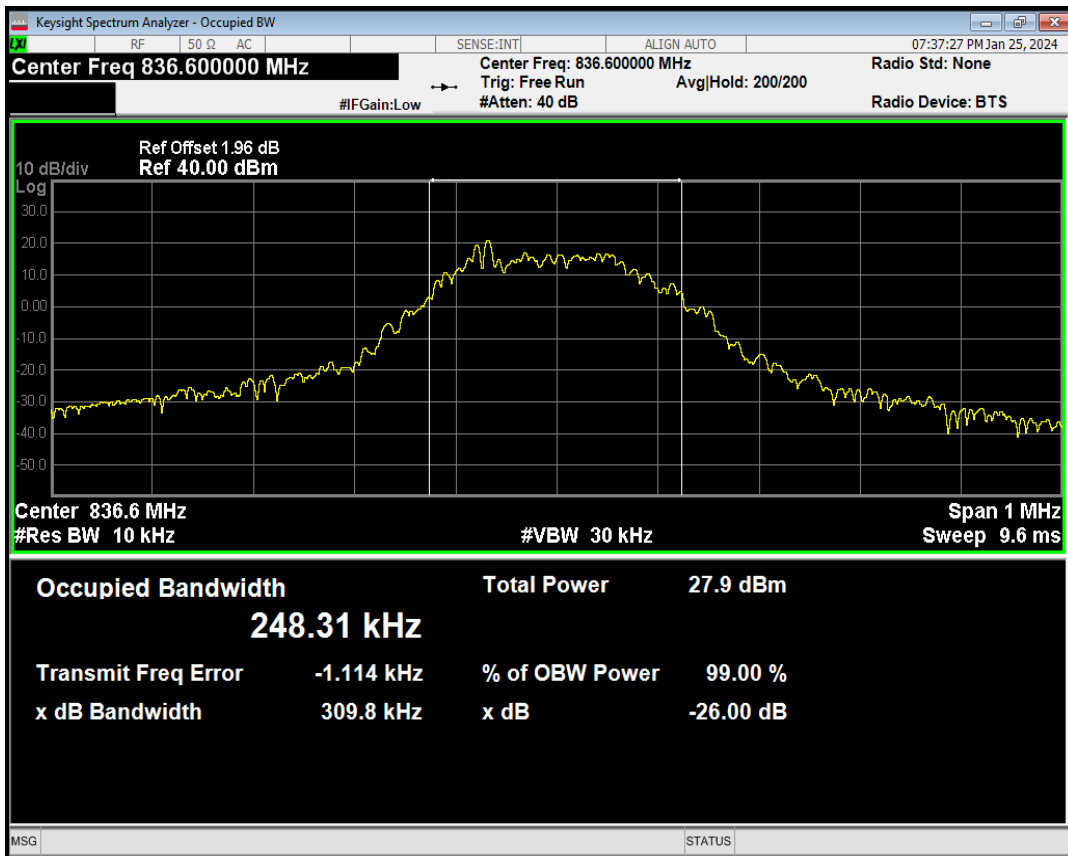
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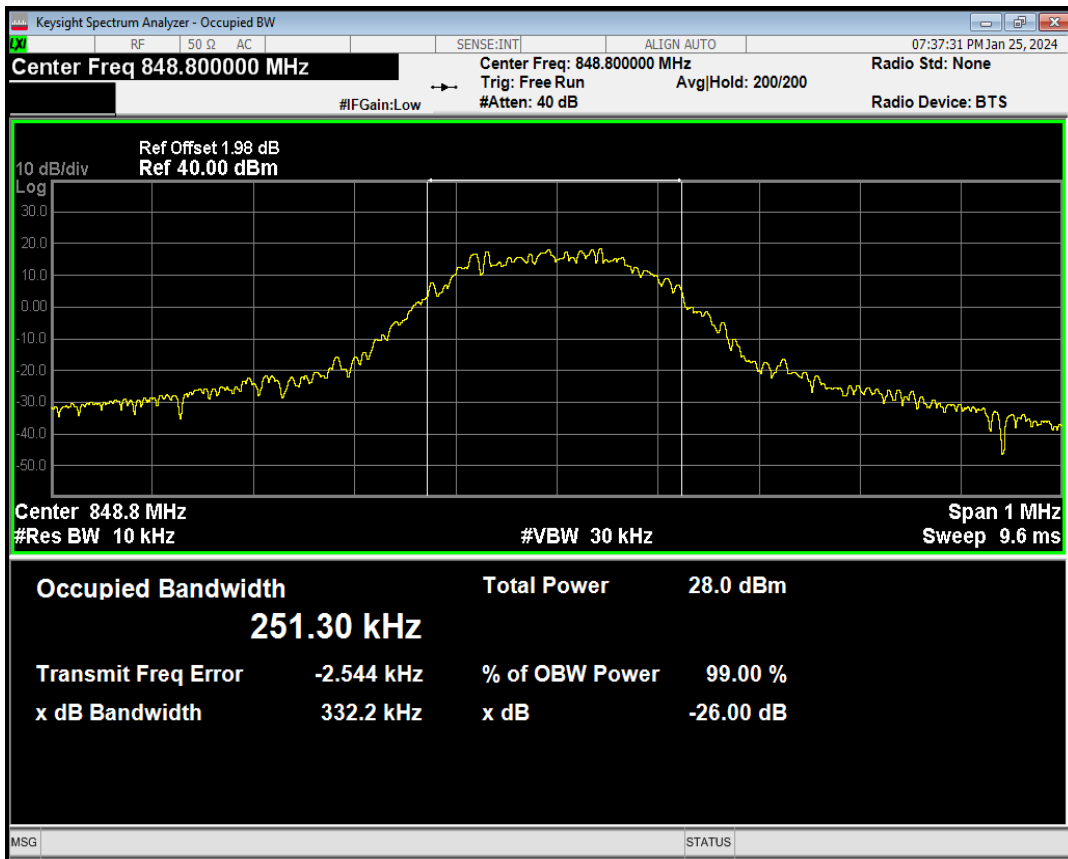
EGPRS850 Channel=128



EGPRS850 Channel=190



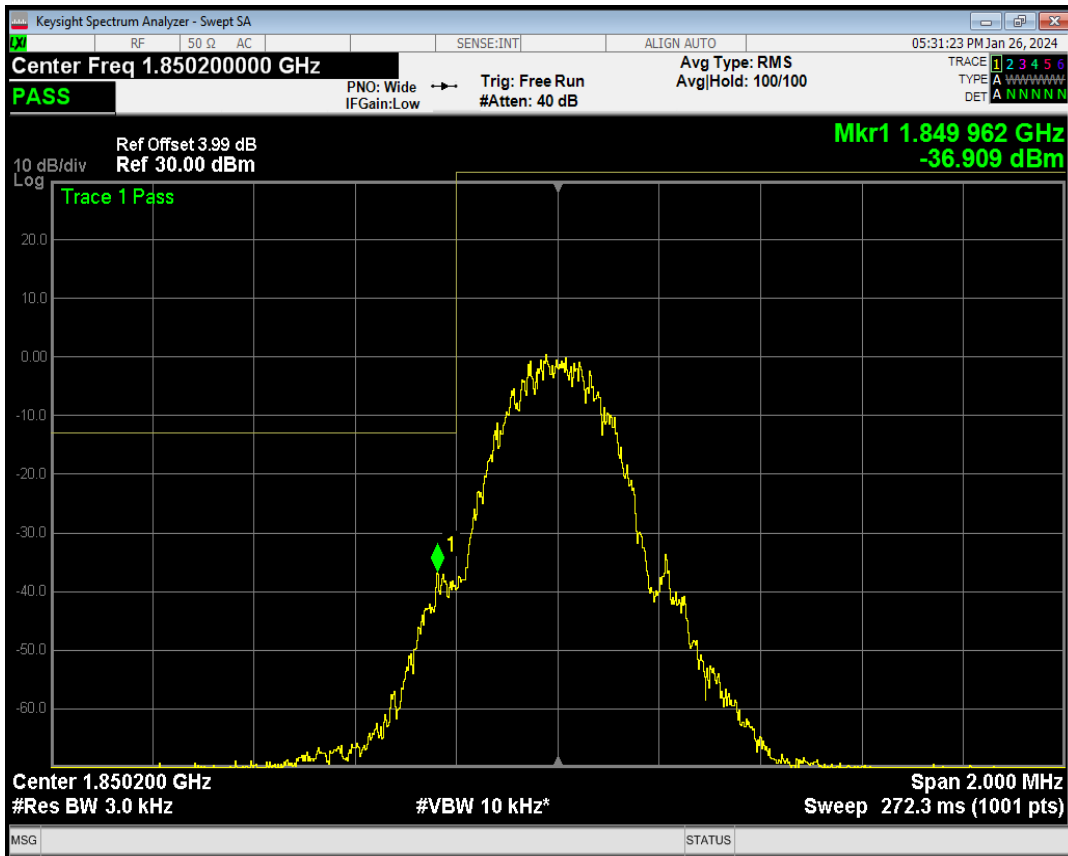
EGPRS850 Channel=251



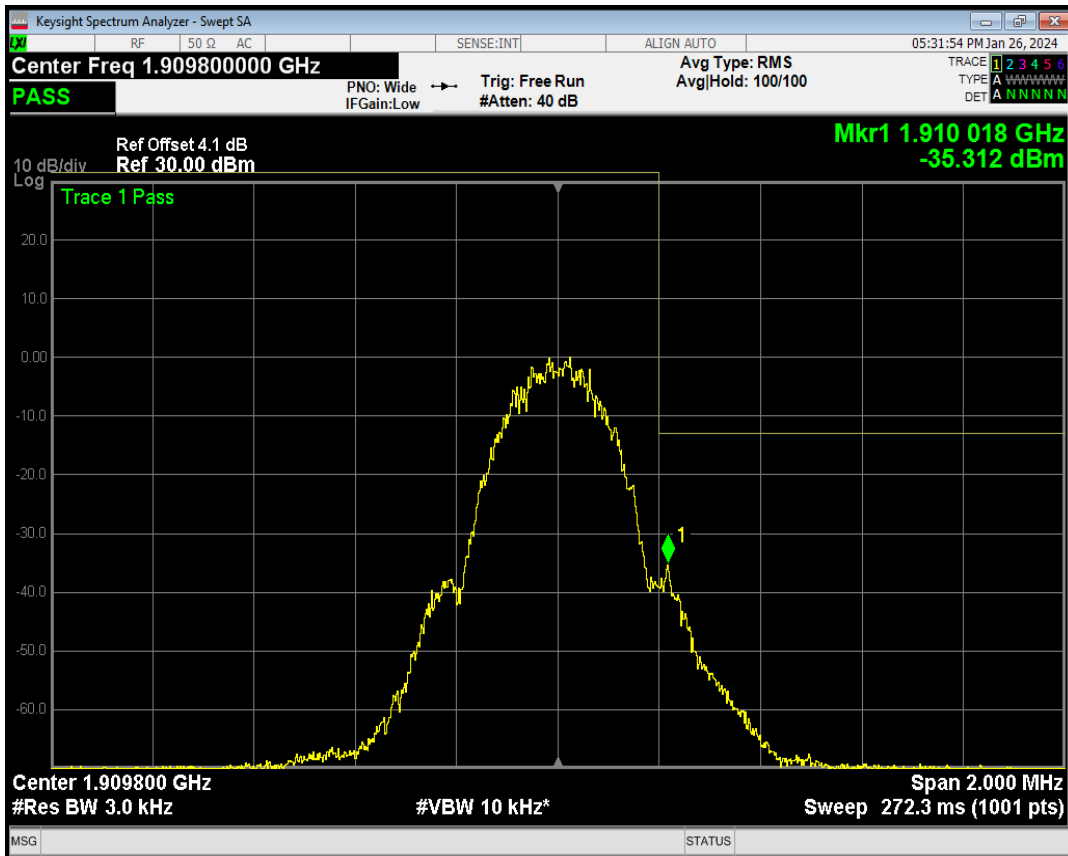
17 Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
EGPRS1900	512	1850.2	1849.96	-36.90	-13	PASS
EGPRS1900	810	1909.8	1910.02	-35.31	-13	PASS
EGPRS850	128	824.2	823.99	-32.61	-13	PASS
EGPRS850	251	848.8	849.02	-32.78	-13	PASS

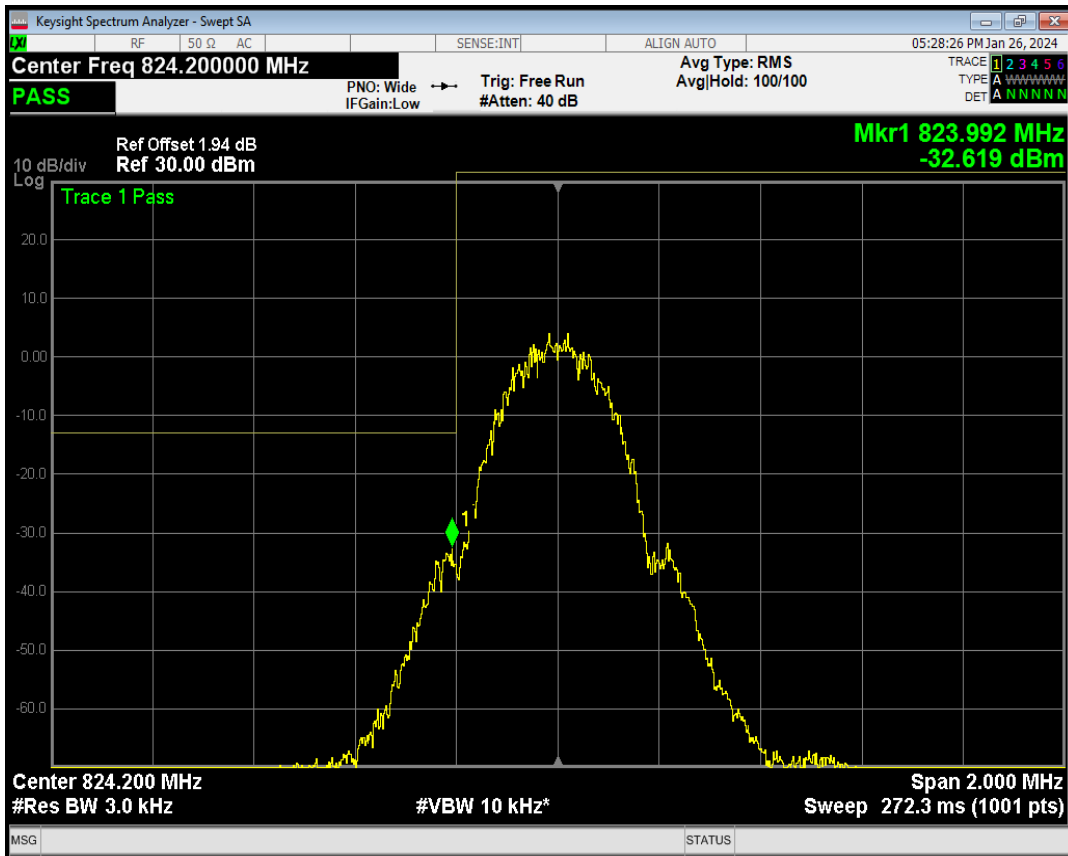
EGPRS 1900 Channel=512



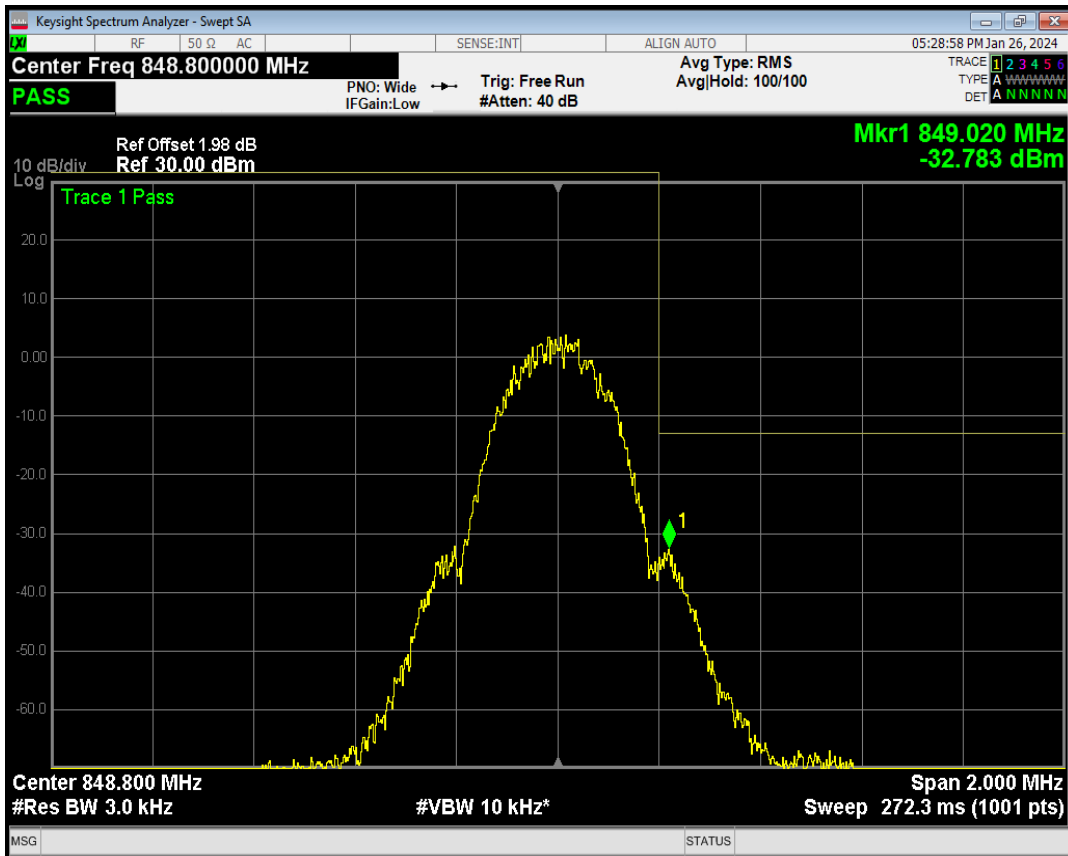
EGPRS 1900 Channel=810



EGPRS 850 Channel=128



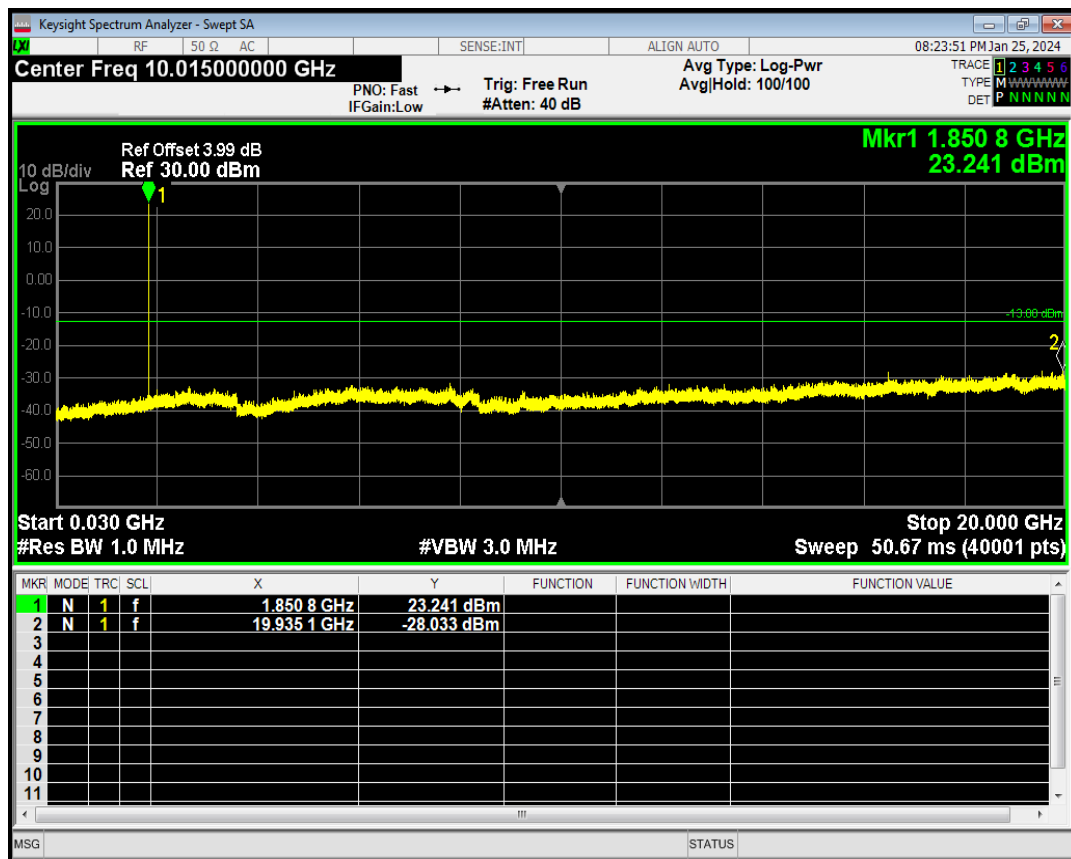
EGPRS 850 Channel=251



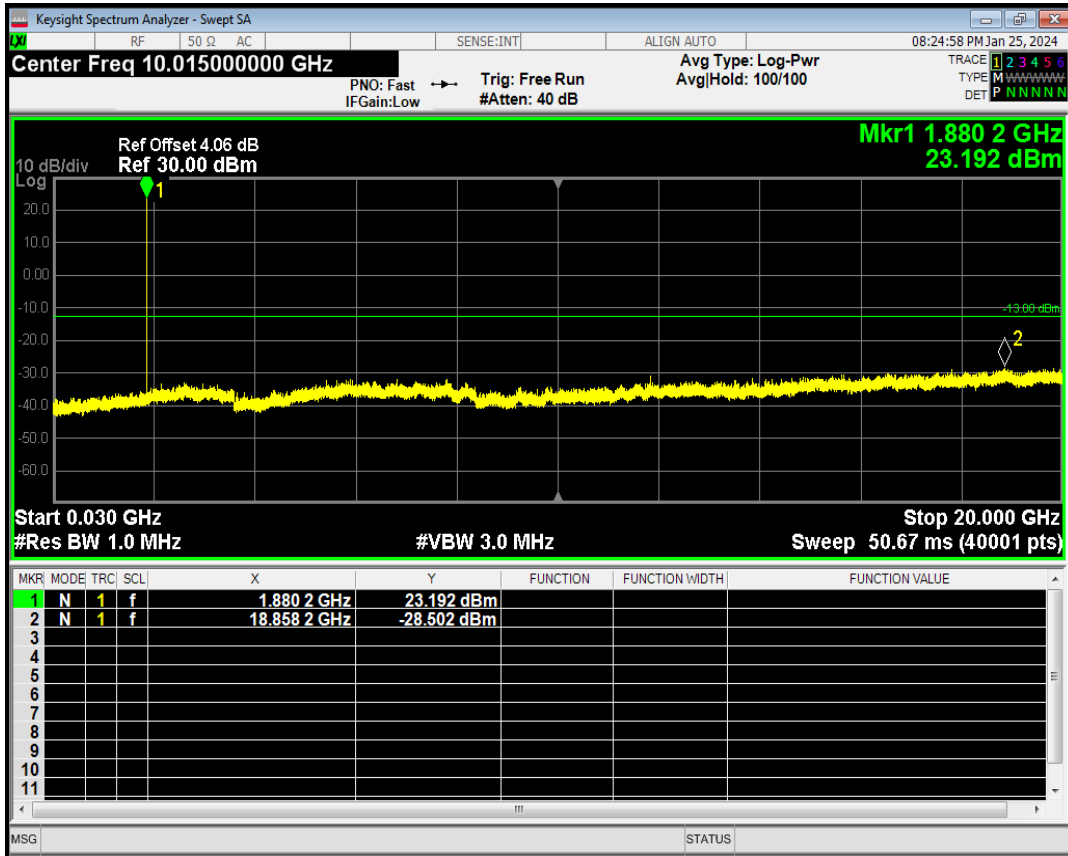
18 Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
EGPRS1900	512	1850.2	19935.10	-28.03	-13	PASS
EGPRS1900	661	1880	18858.22	-28.50	-13	PASS
EGPRS1900	810	1909.8	18770.35	-28.32	-13	PASS
EGPRS850	128	824.2	6164.04	-33.57	-13	PASS
EGPRS850	190	836.6	5901.33	-33.91	-13	PASS
EGPRS850	251	848.8	7201.92	-34.51	-13	PASS

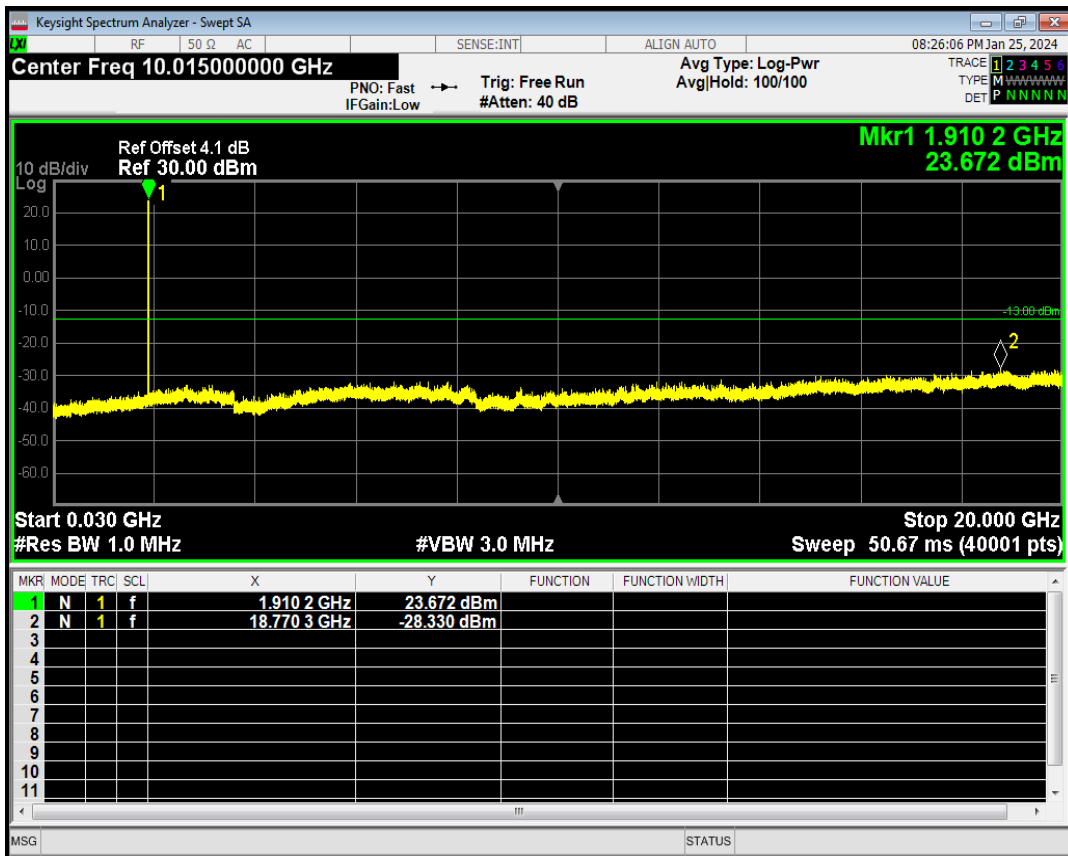
EGPRS1900 Channel=512



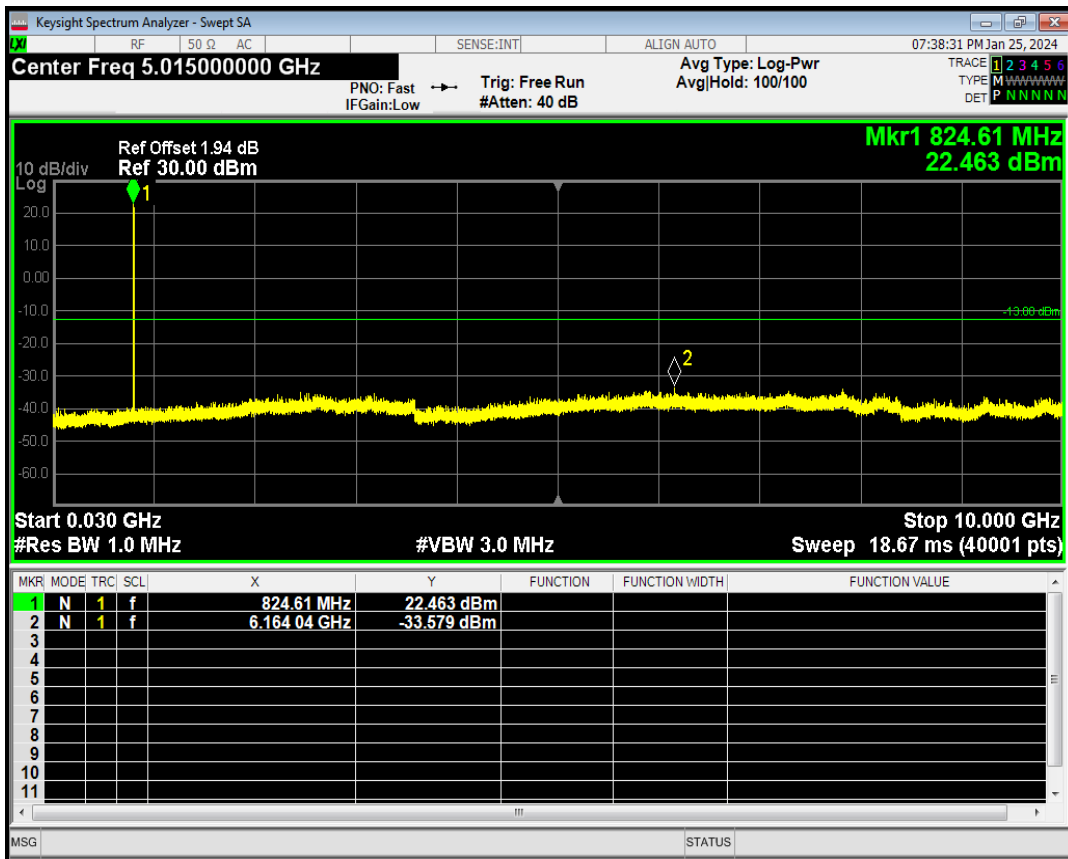
EGPRS1900 Channel=661



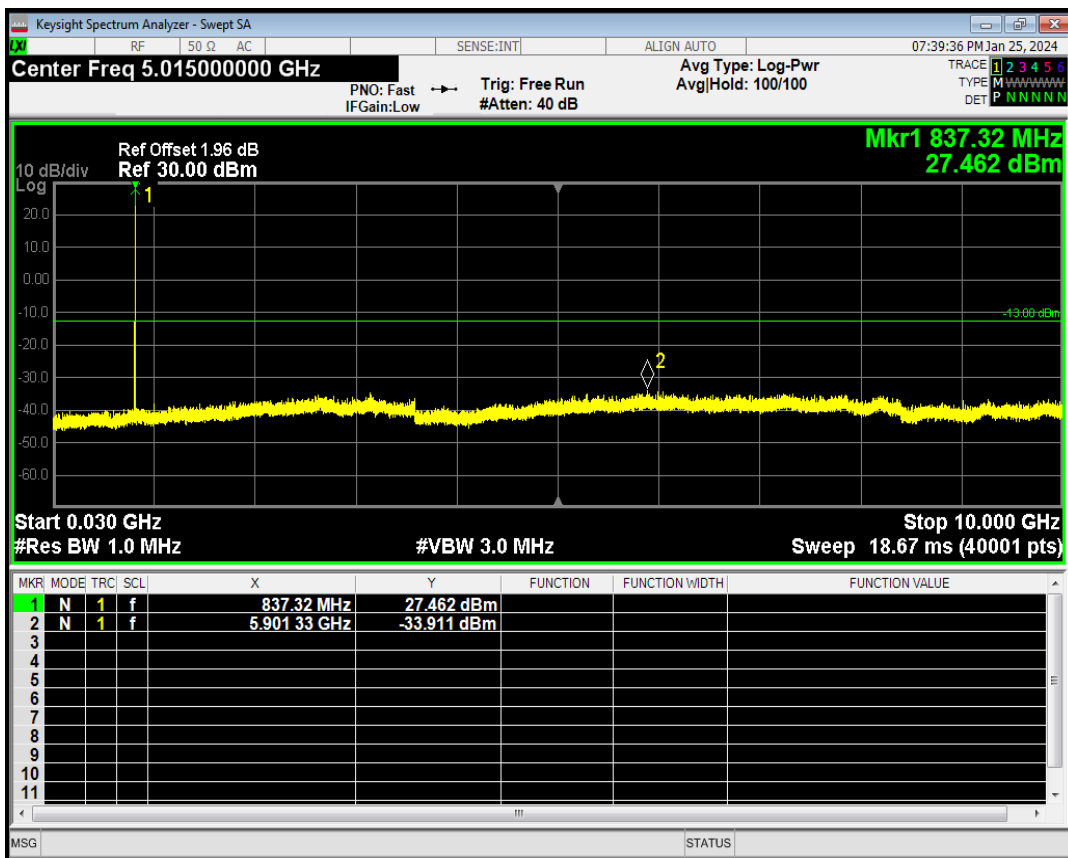
EGPRS1900 Channel=810



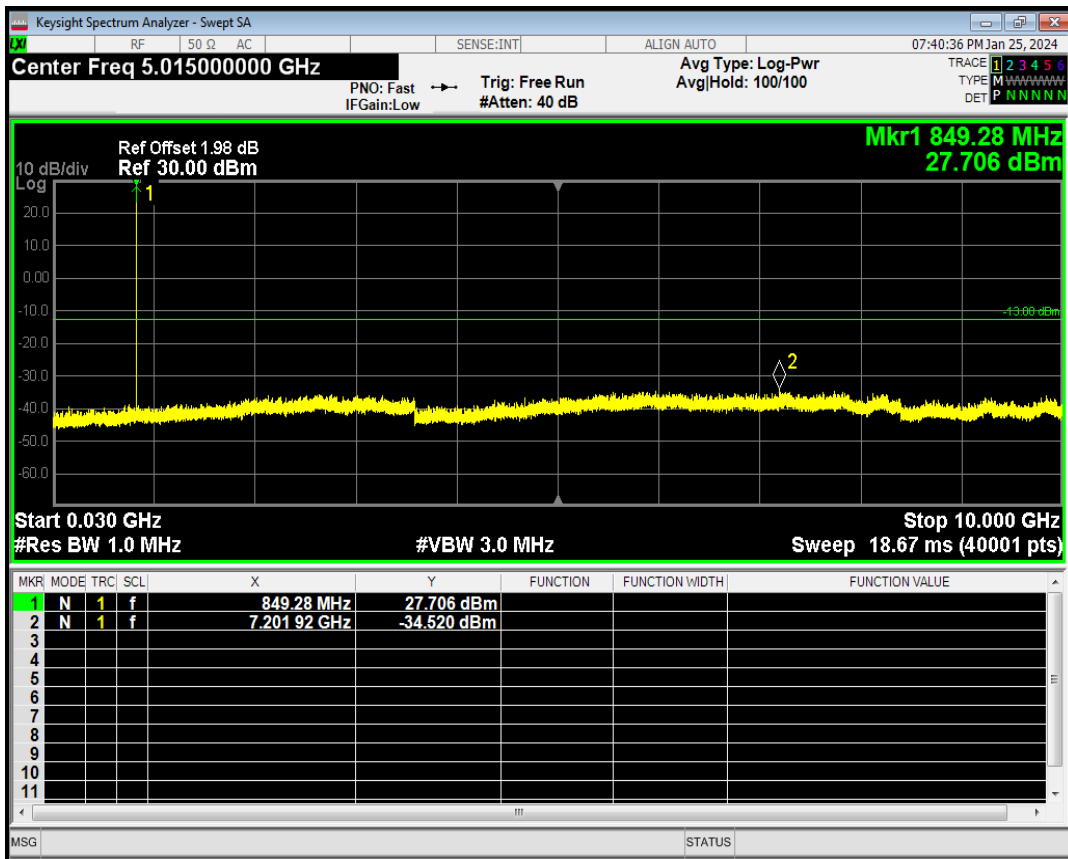
EGPRS850 Channel=128



EGPRS850 Channel=190



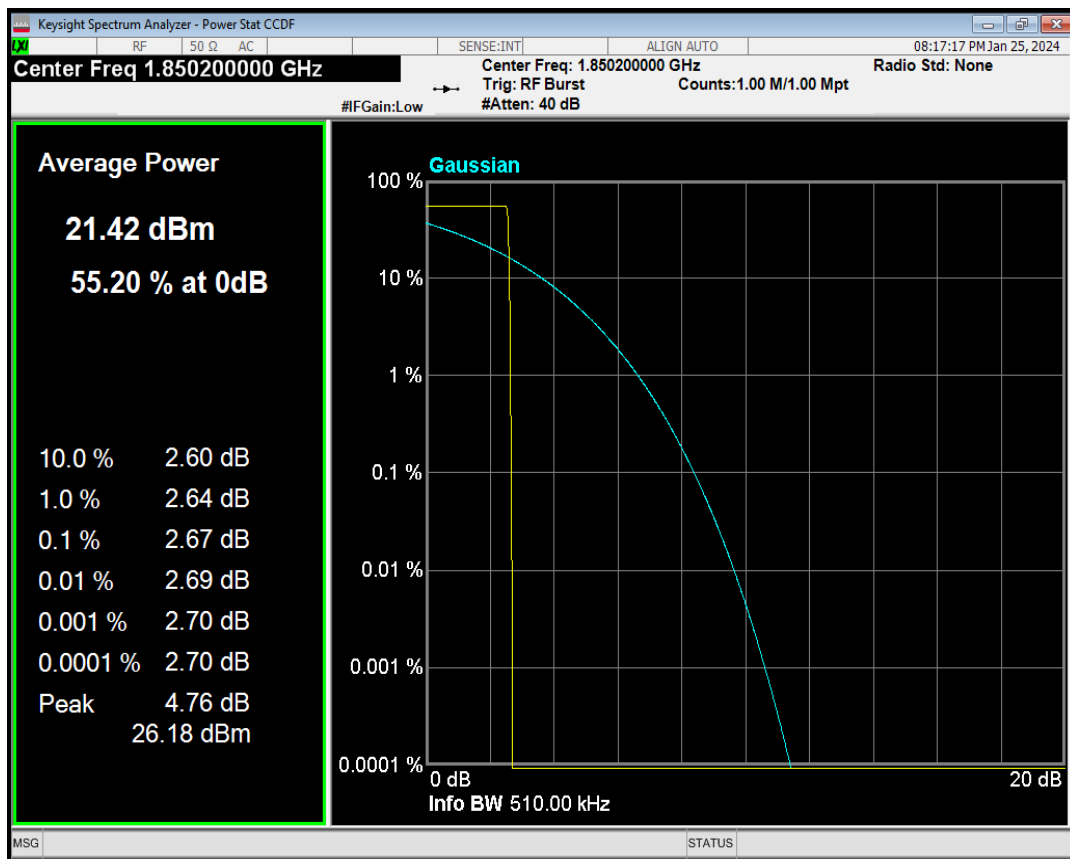
EGPRS850 Channel=251



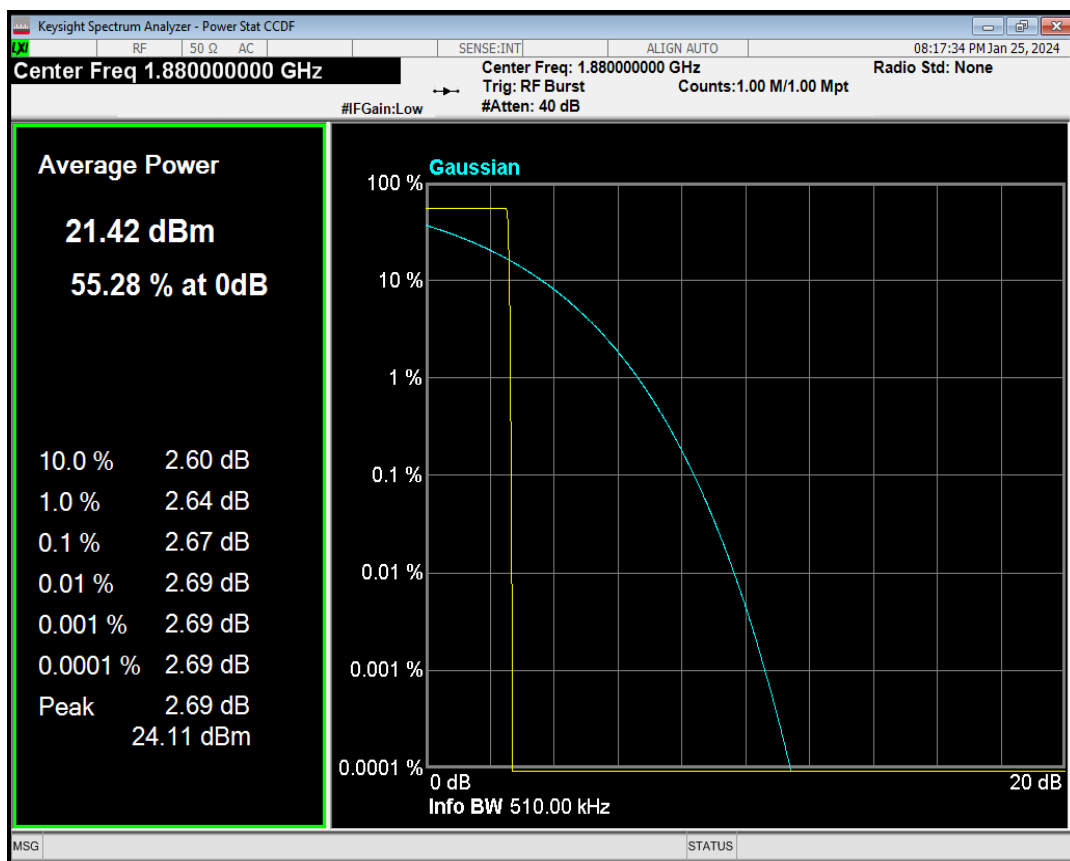
09 Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GPRS1900	512	1850.2	2.669980867	13.00	PASS
GPRS1900	661	1880	2.66925776	13.00	PASS
GPRS1900	810	1909.8	2.666943522	13.00	PASS
GPRS850	128	824.2	2.690247813	13.00	PASS
GPRS850	190	836.6	2.688595259	13.00	PASS
GPRS850	251	848.8	2.683895216	13.00	PASS

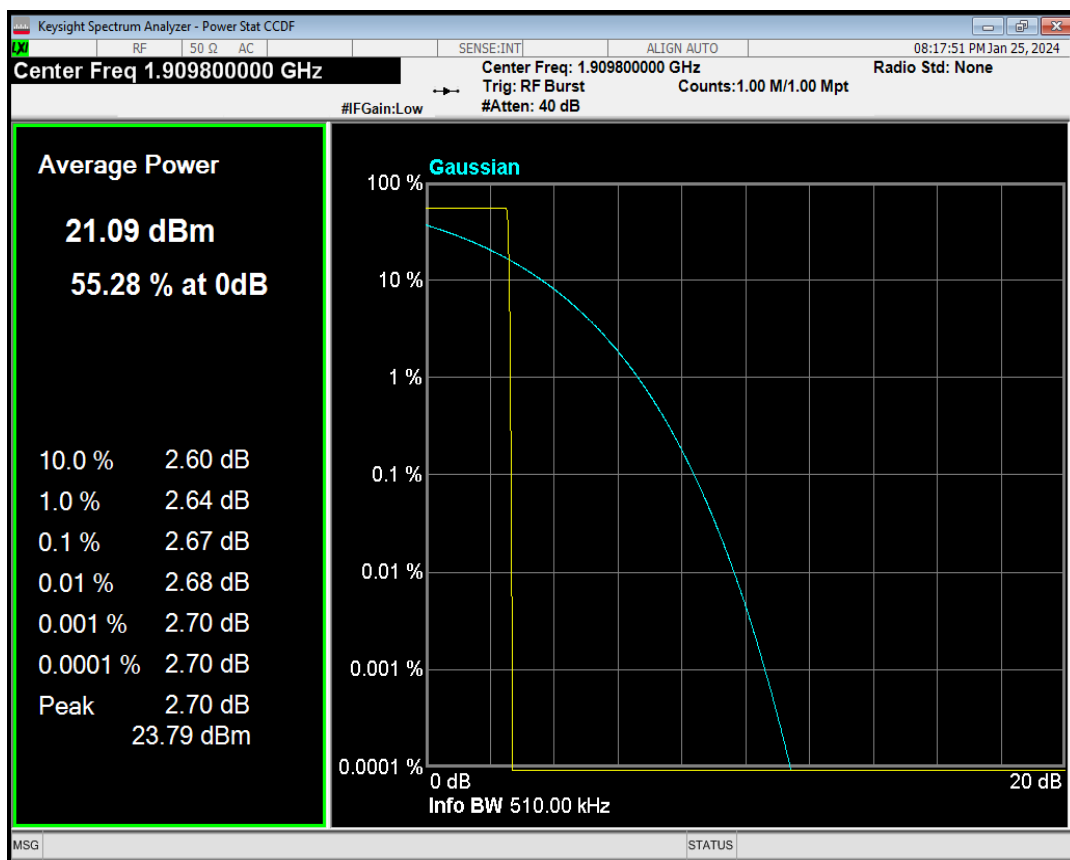
GPRS1900 Channel=512



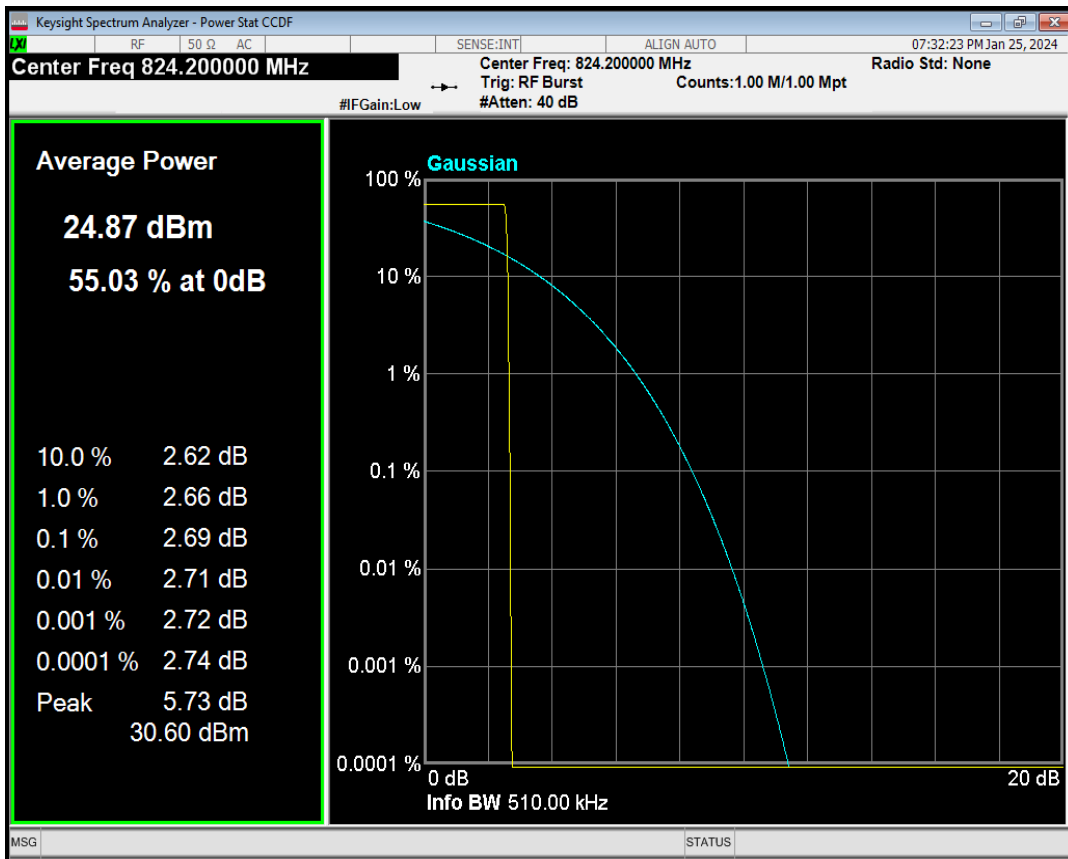
GPRS1900 Channel=661



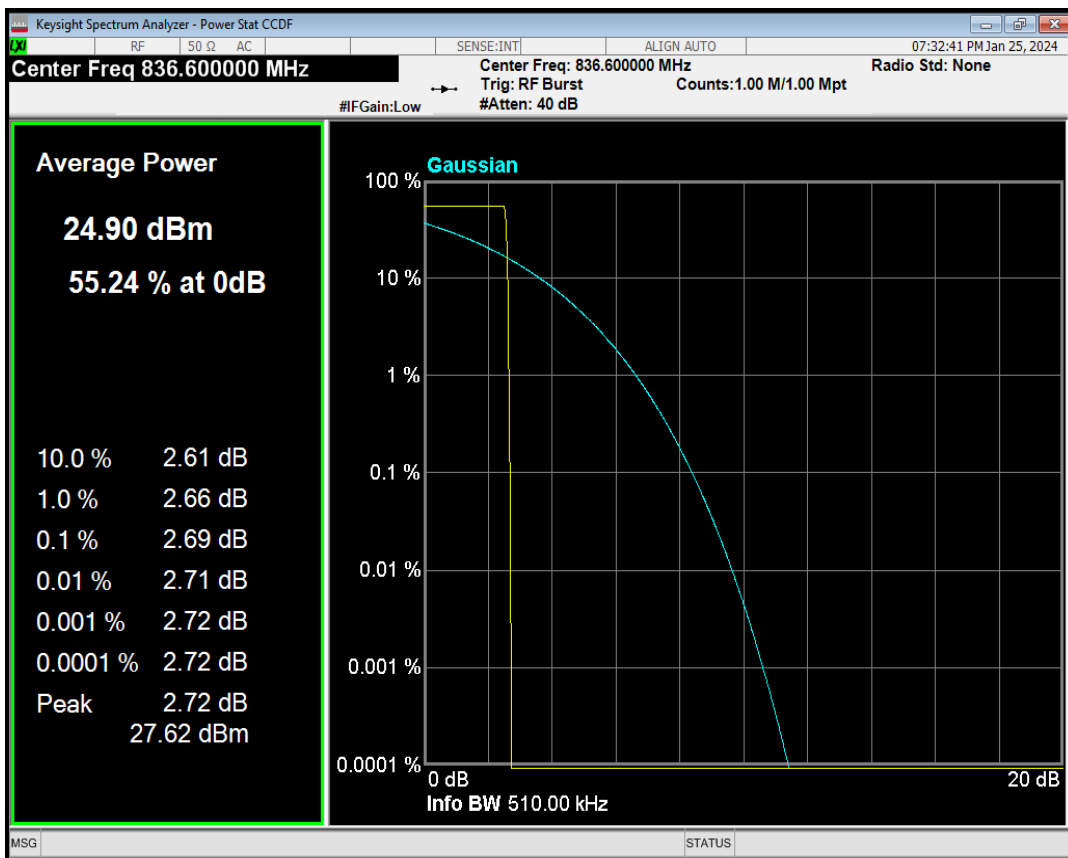
GPRS1900 Channel=810



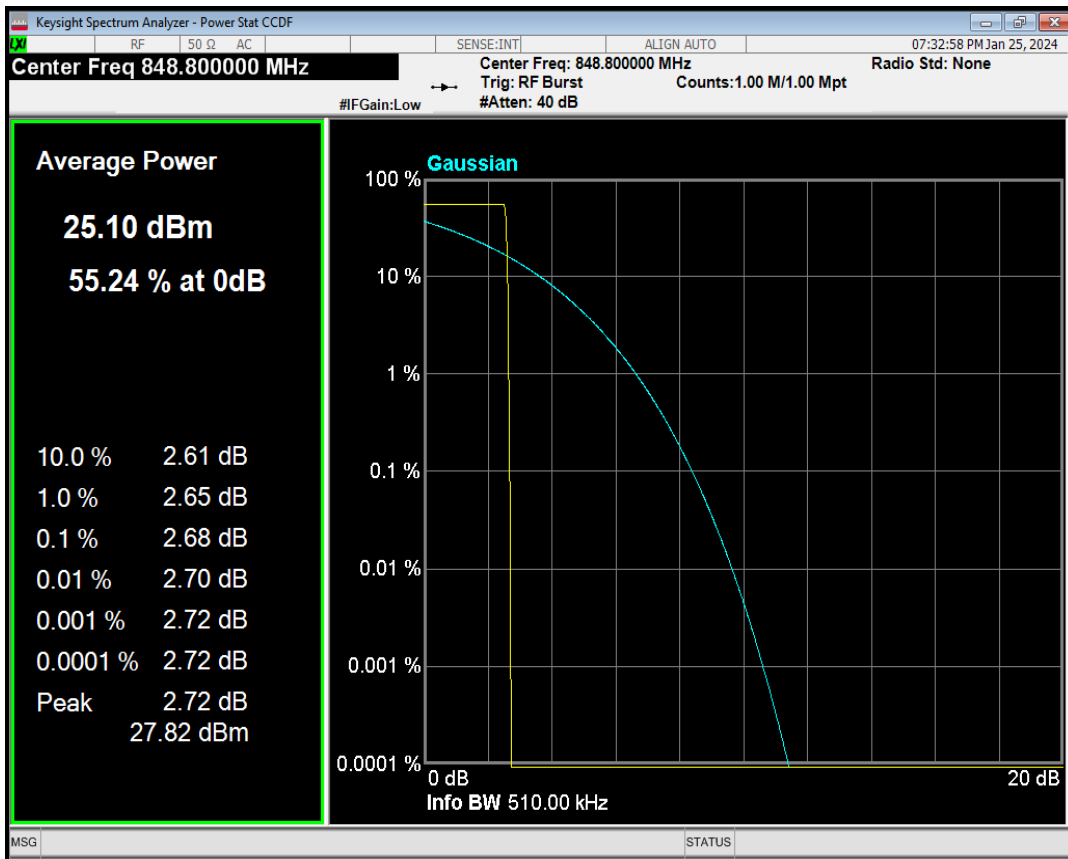
GPRS850 Channel=128



GPRS850 Channel=190



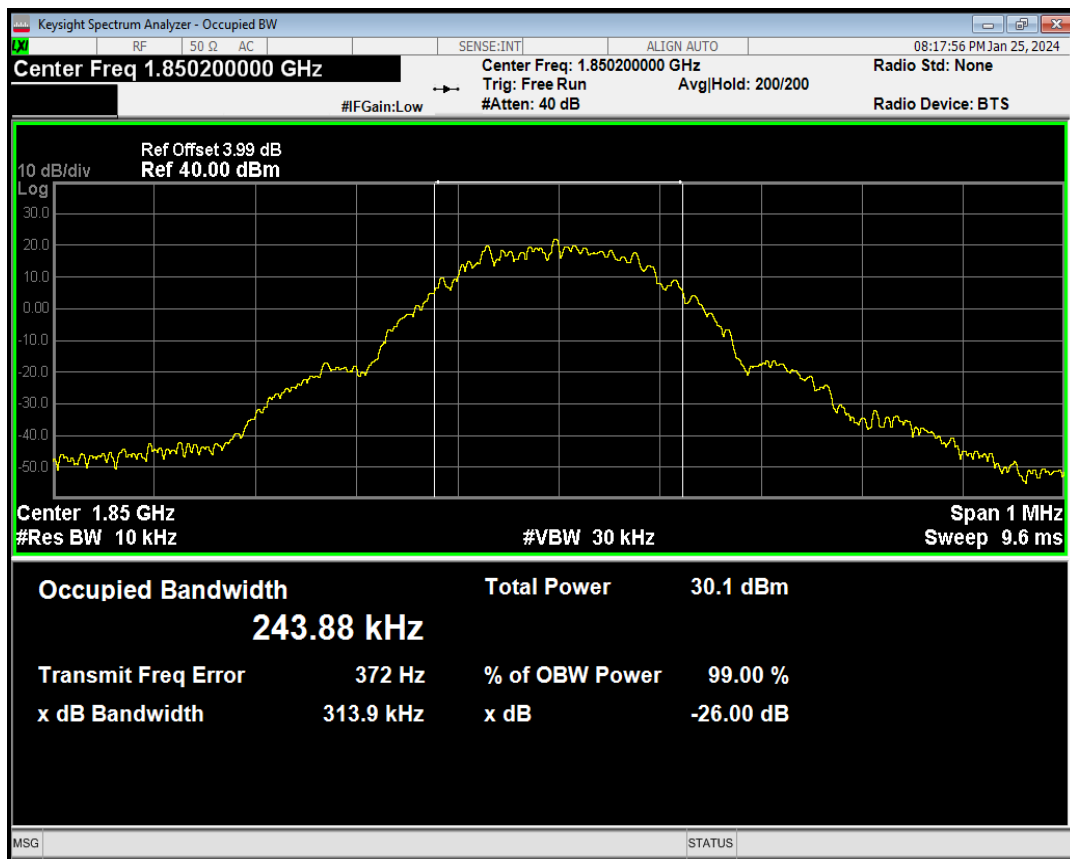
GPRS850 Channel=251



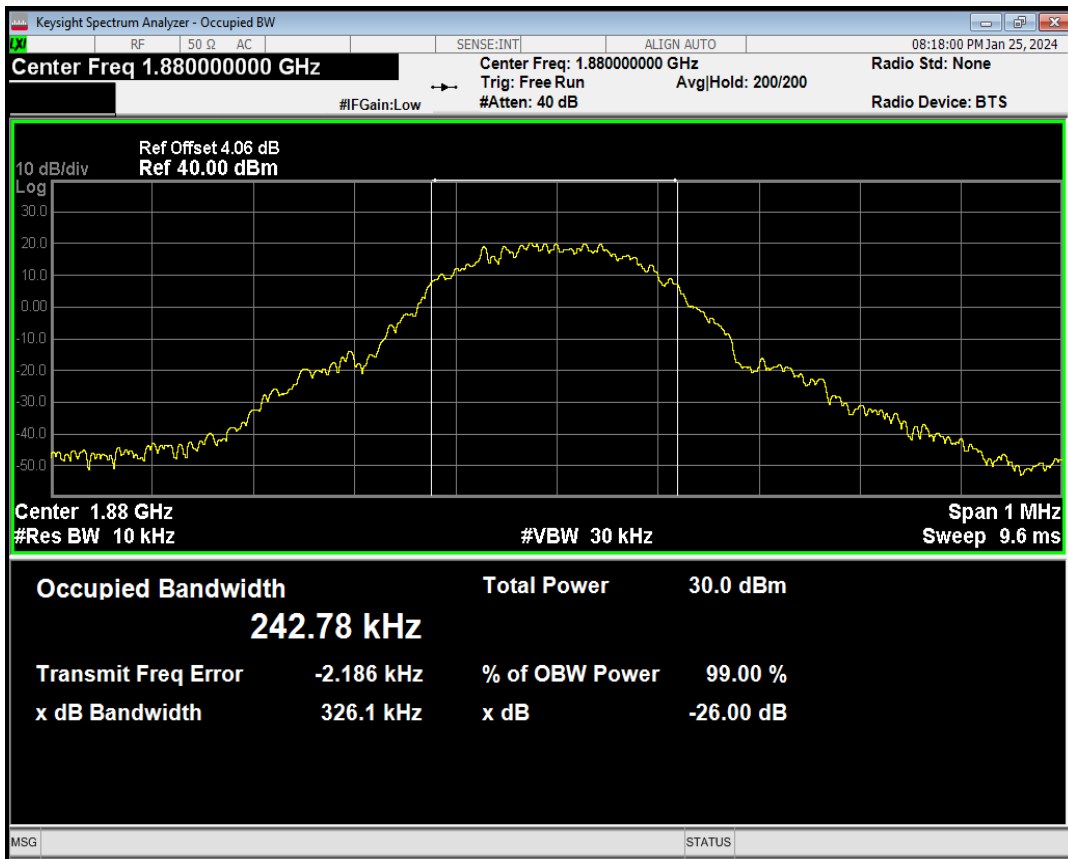
10 Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GPRS1900	512	1850.2	243.884	313.892	PASS
GPRS1900	661	1880	242.780	326.110	PASS
GPRS1900	810	1909.8	246.955	325.962	PASS
GPRS850	128	824.2	245.761	313.740	PASS
GPRS850	190	836.6	246.166	316.284	PASS
GPRS850	251	848.8	251.602	315.700	PASS

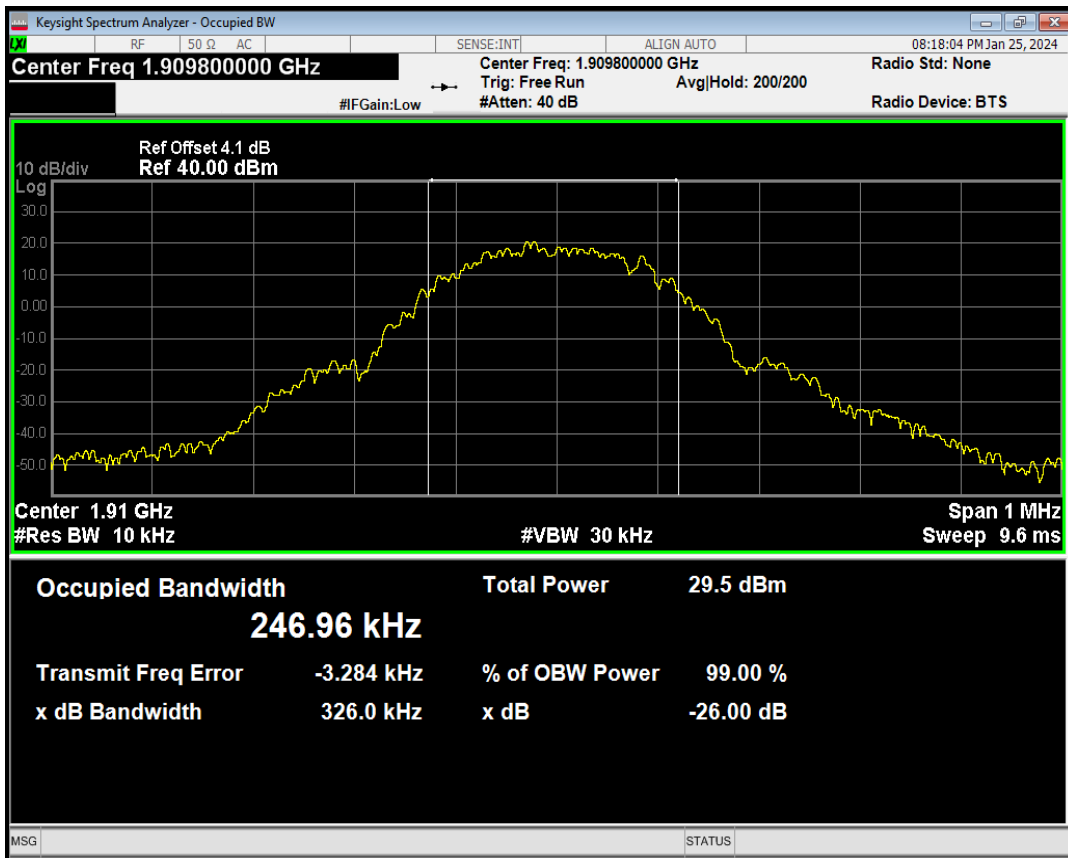
GPRS1900 Channel=512



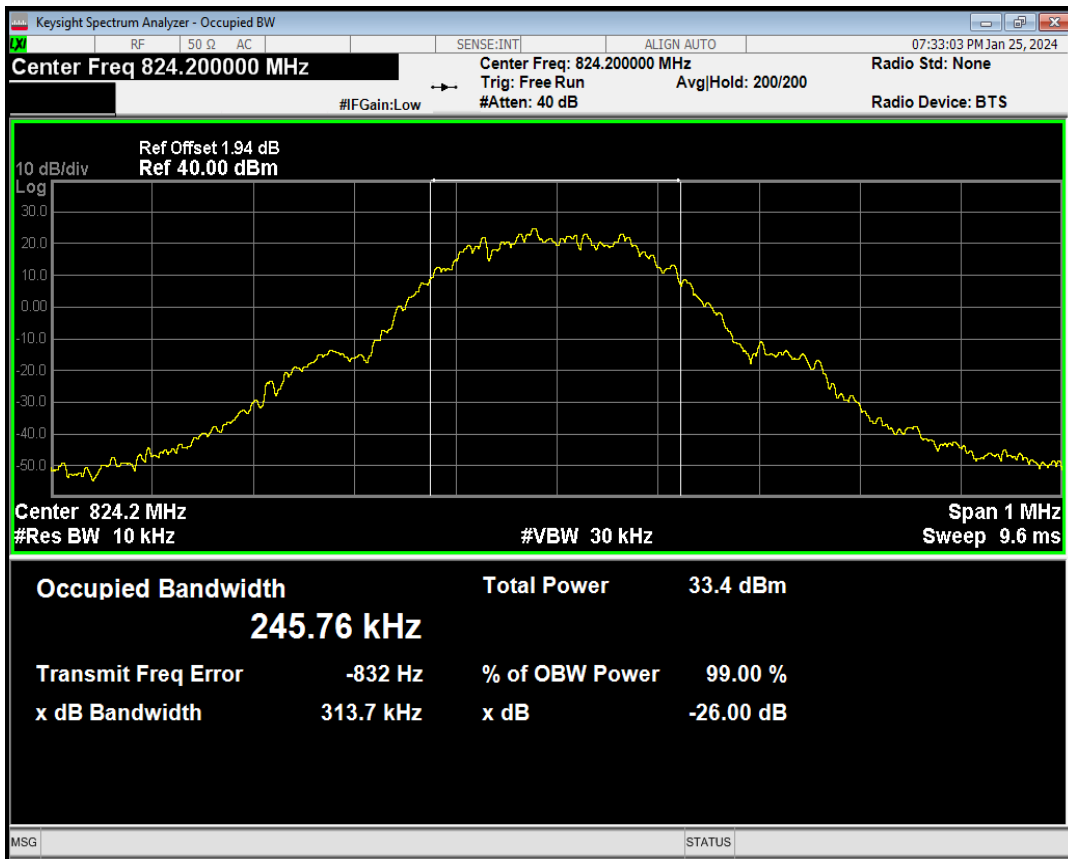
GPRS1900 Channel=661



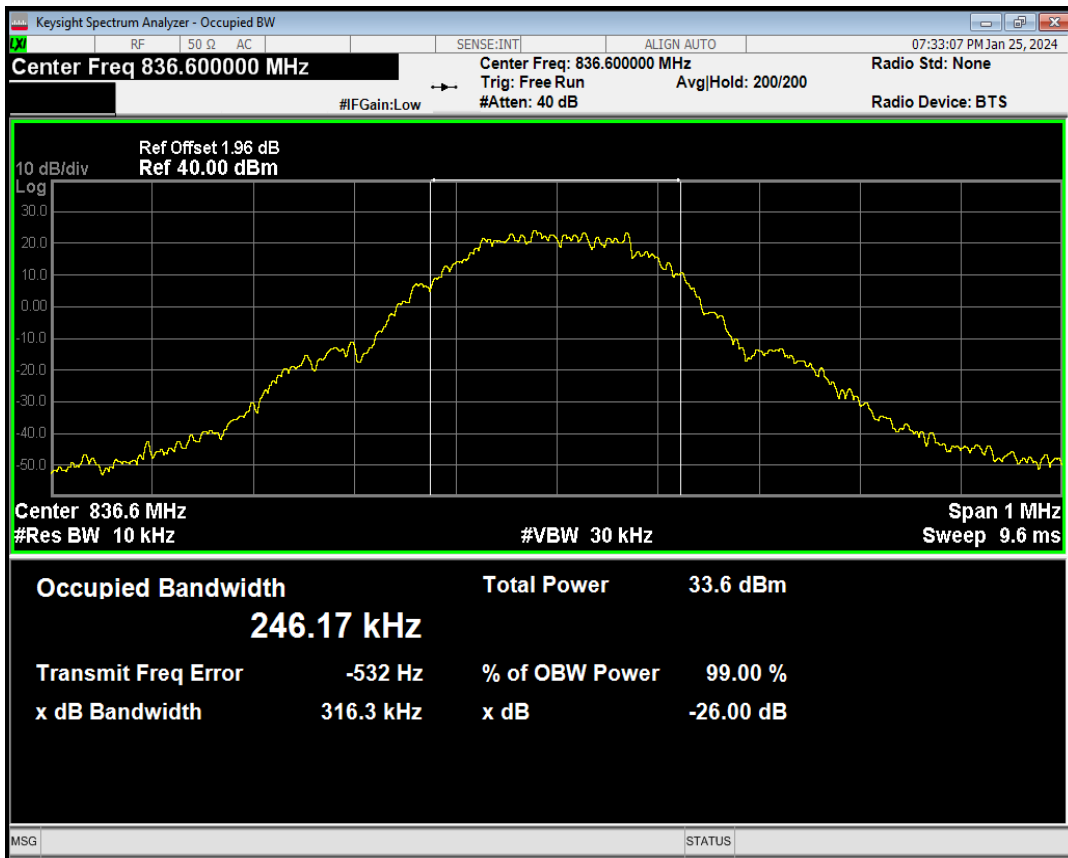
GPRS1900 Channel=810



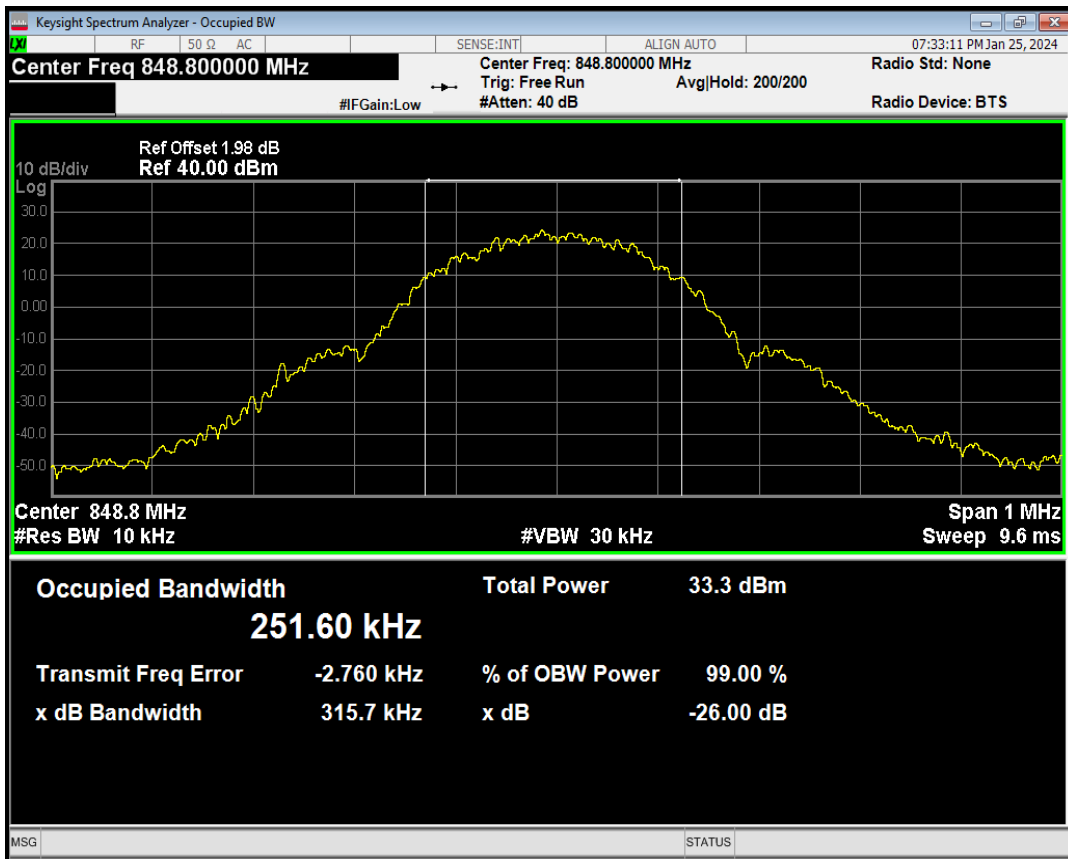
GPRS850 Channel=128



GPRS850 Channel=190



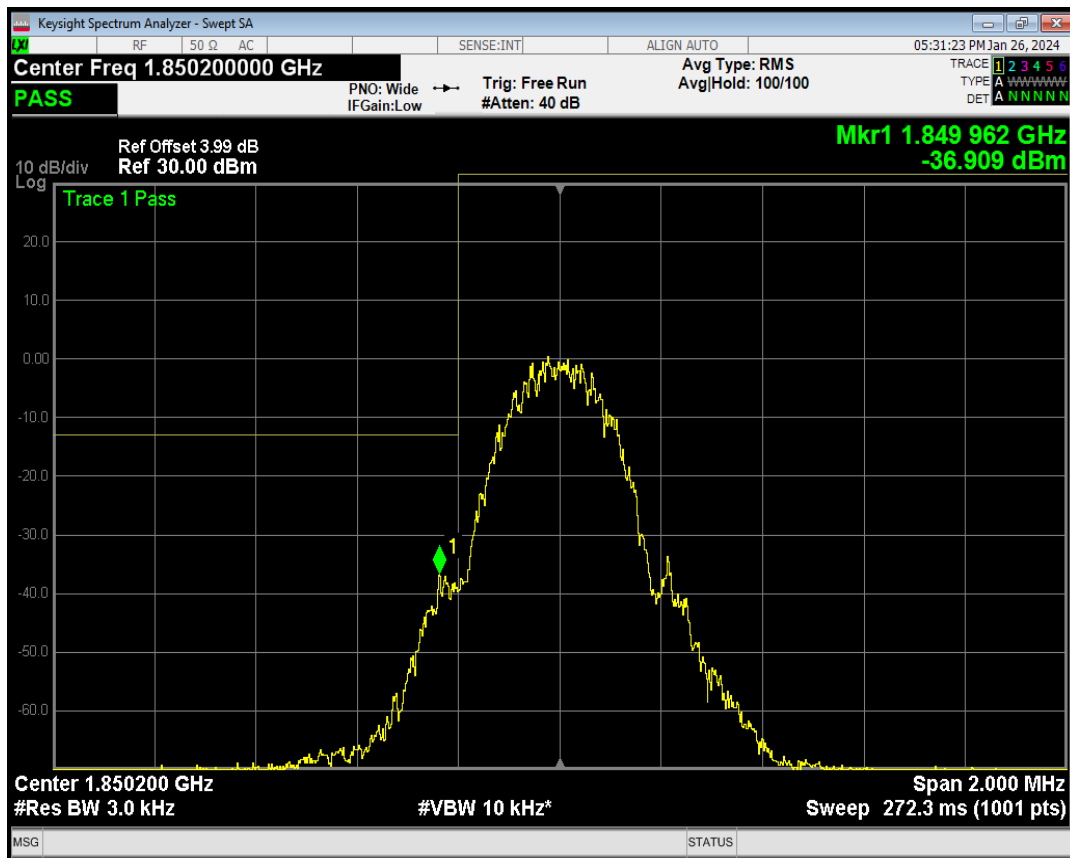
GPRS850 Channel=251



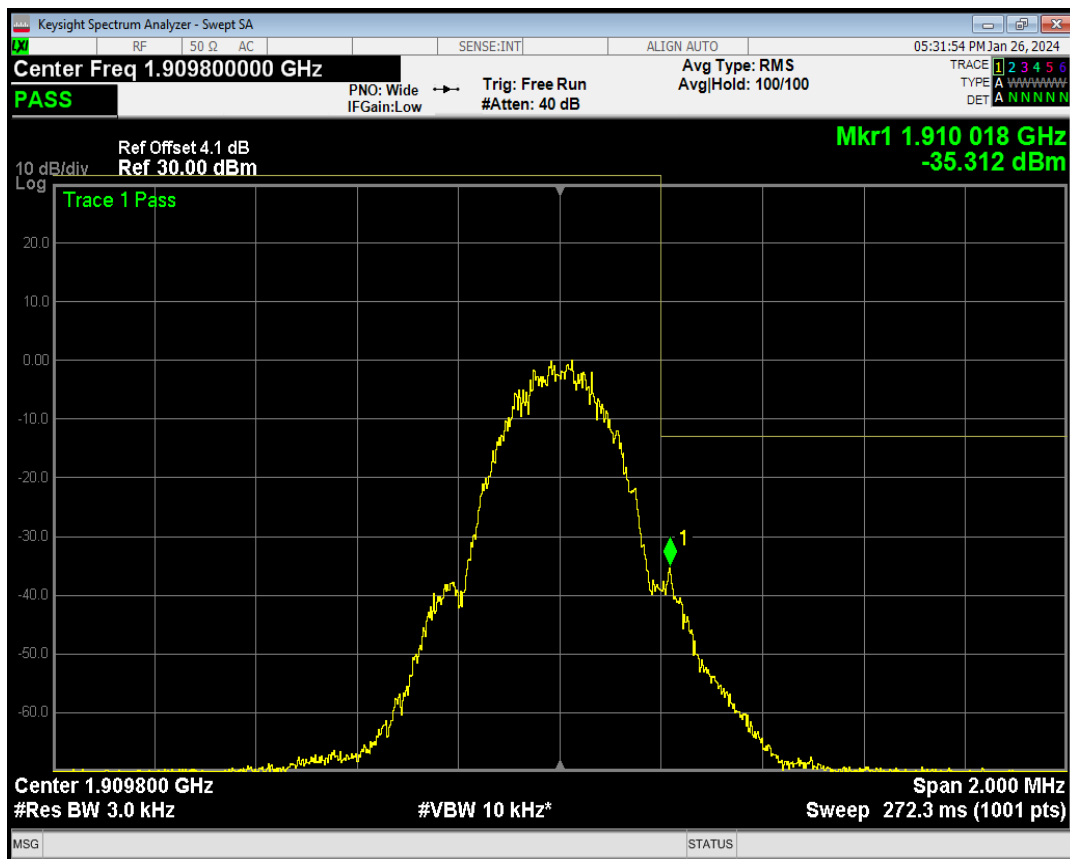
11 Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS1900	512	1850.2	1849.96	-36.90	-13	PASS
GPRS1900	810	1909.8	1910.02	-35.31	-13	PASS
GPRS850	128	824.2	823.98	-38.74	-13	PASS
GPRS850	251	848.8	849.00	-38.52	-13	PASS

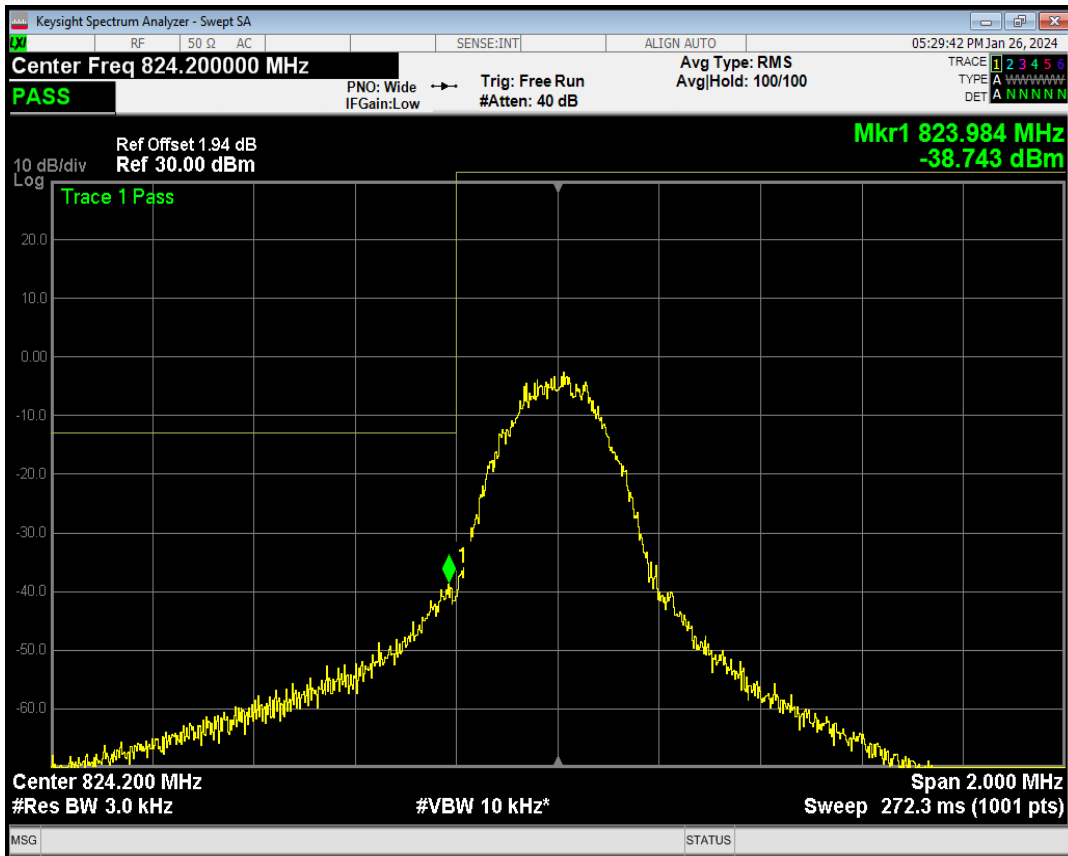
GPRS 1900 Channel=512



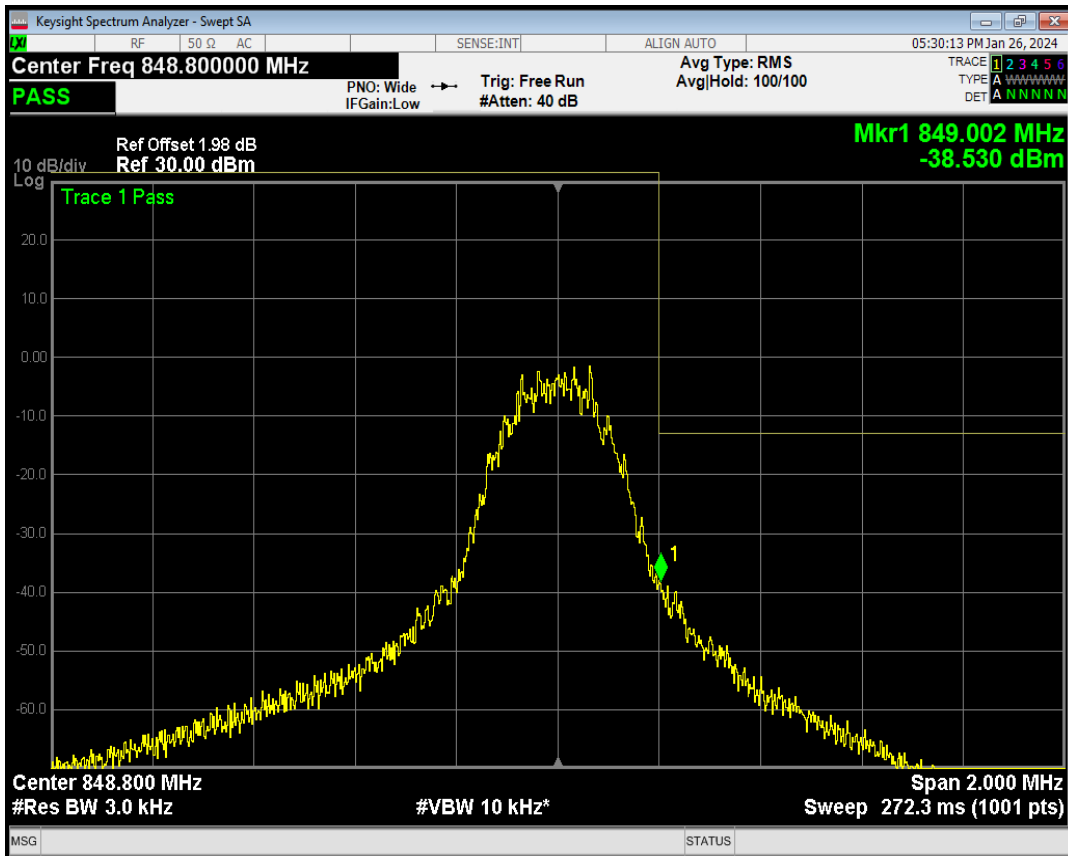
GPRS 1900 Channel=810



GPRS 850 Channel=128



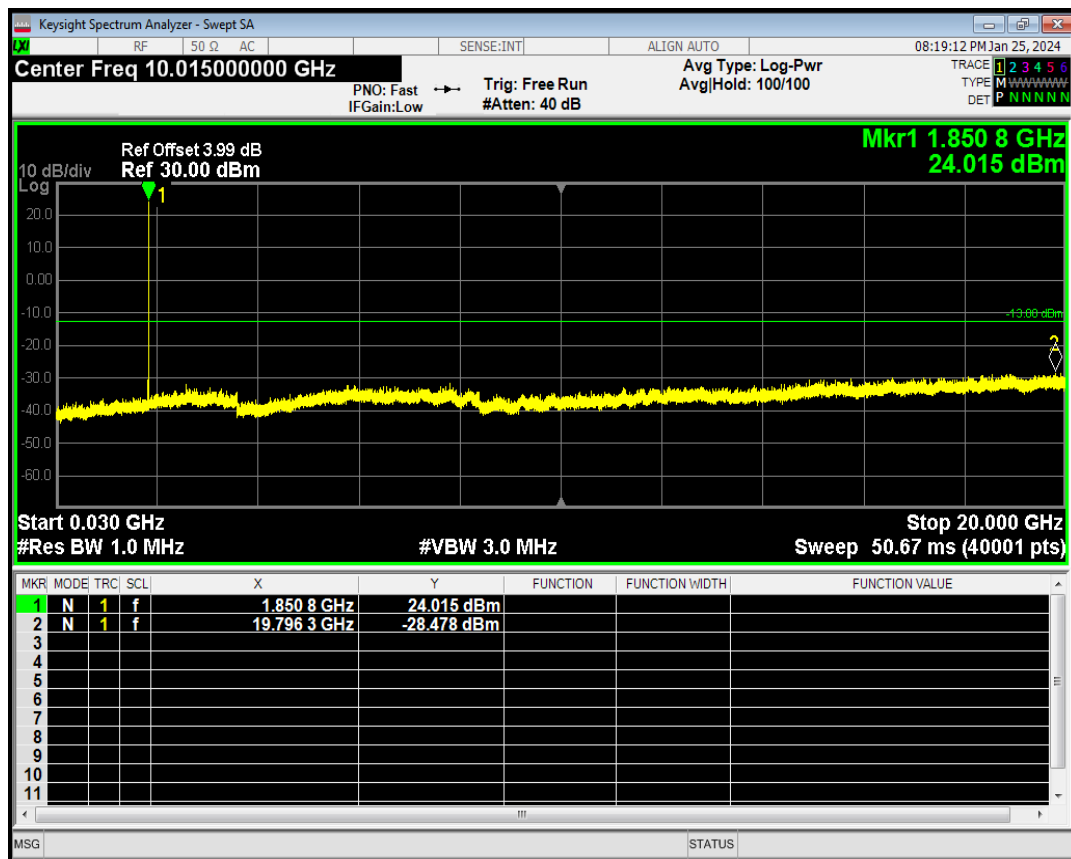
GPRS 850 Channel=251



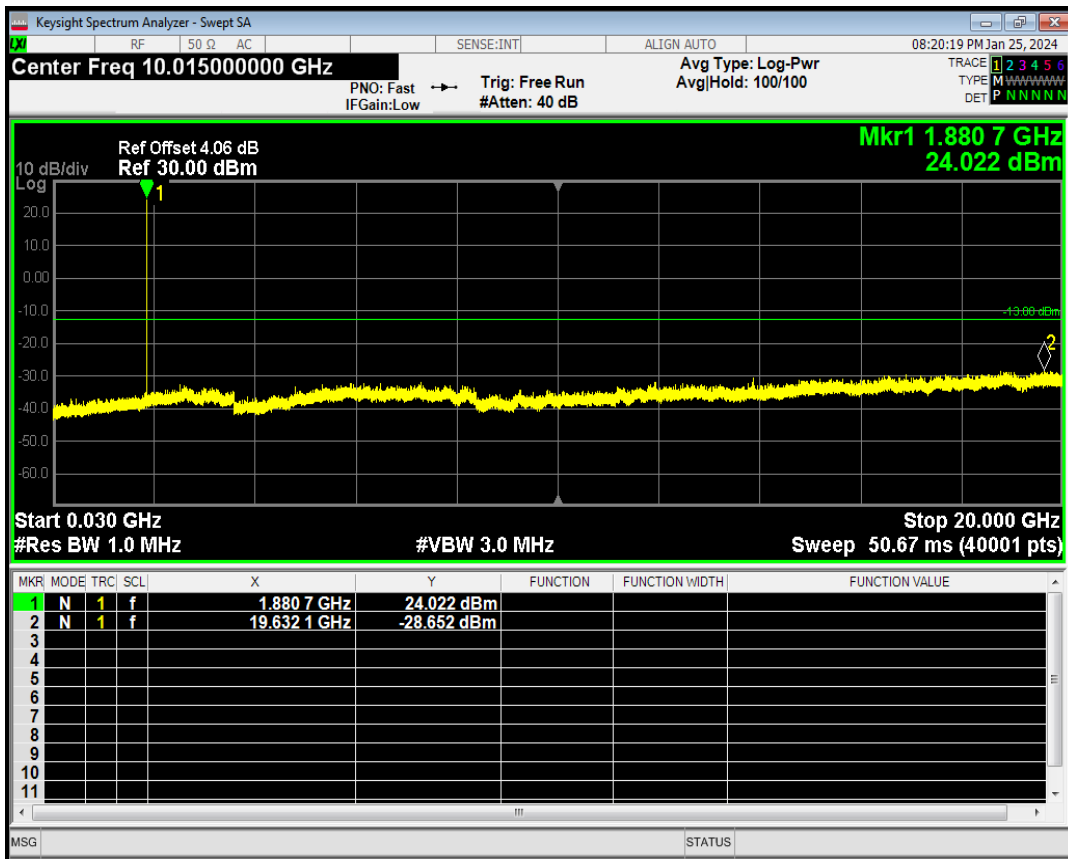
12 Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS1900	512	1850.2	19796.31	-28.47	-13	PASS
GPRS1900	661	1880	19632.05	-28.65	-13	PASS
GPRS1900	810	1909.8	18857.22	-28.11	-13	PASS
GPRS850	128	824.2	2473.65	-33.36	-13	PASS
GPRS850	190	836.6	6125.41	-34.80	-13	PASS
GPRS850	251	848.8	8138.10	-33.40	-13	PASS

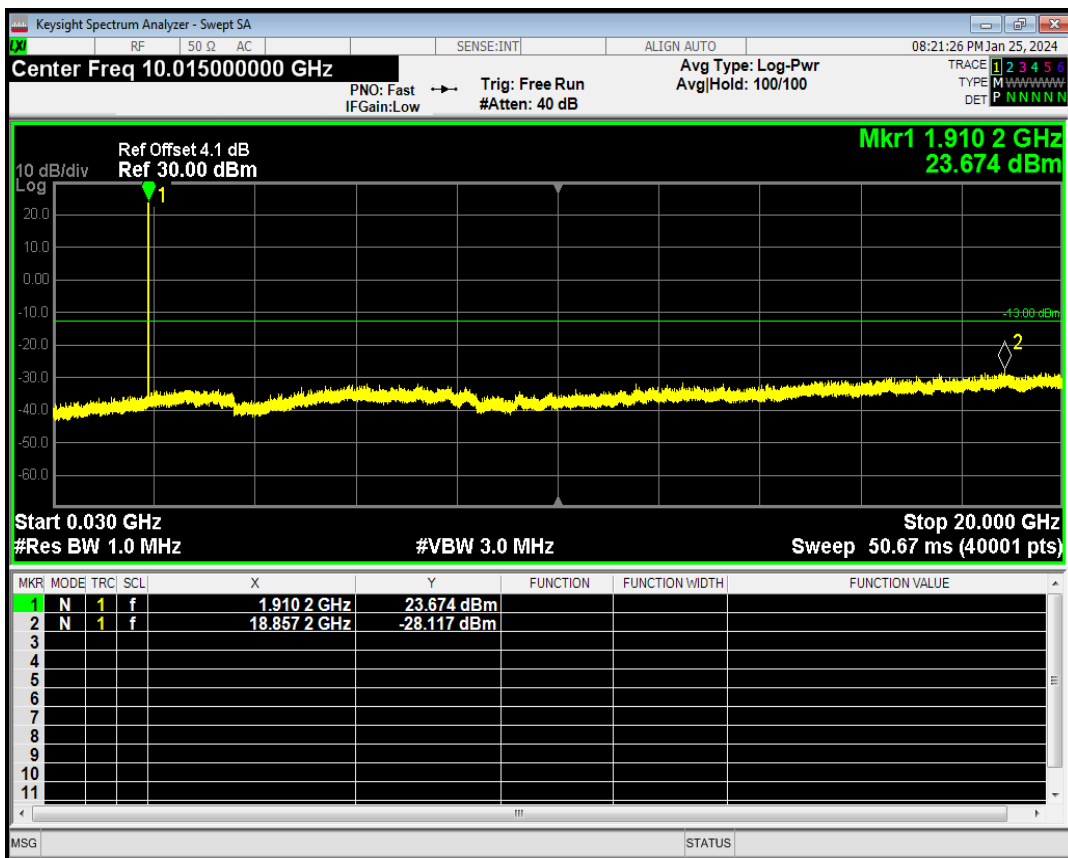
GPRS1900 Channel=512



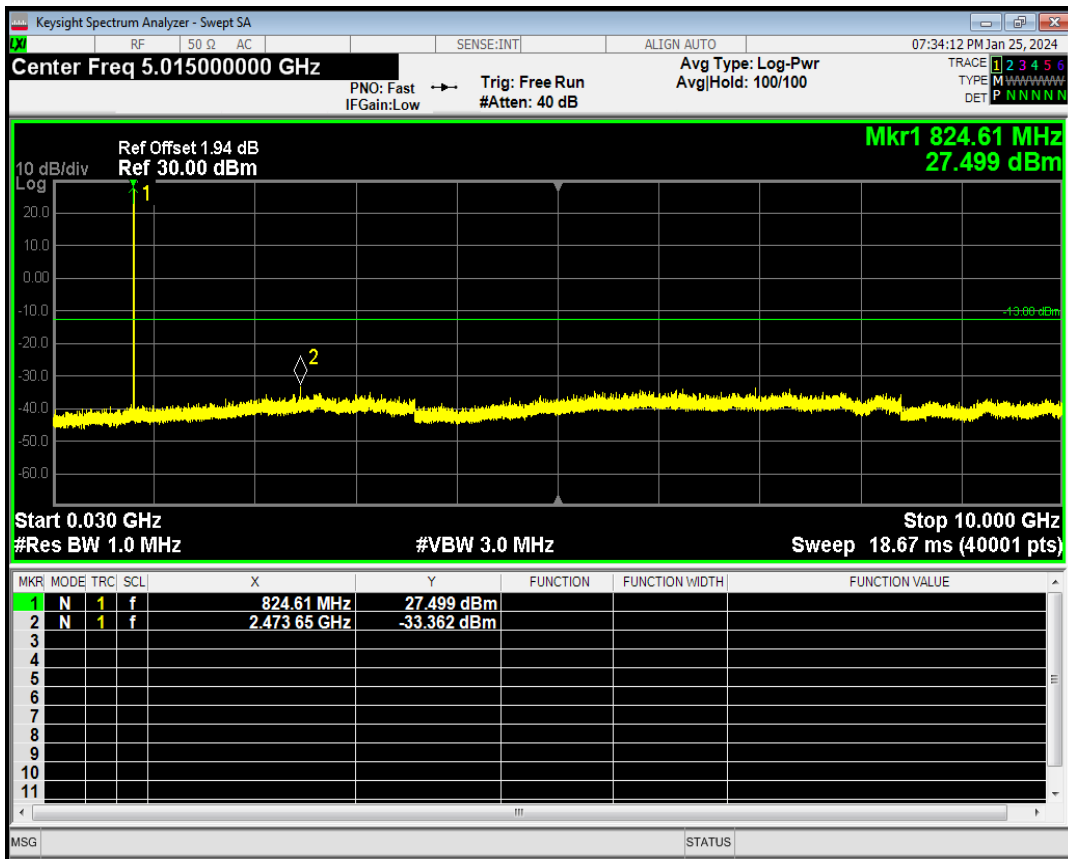
GPRS1900 Channel=661



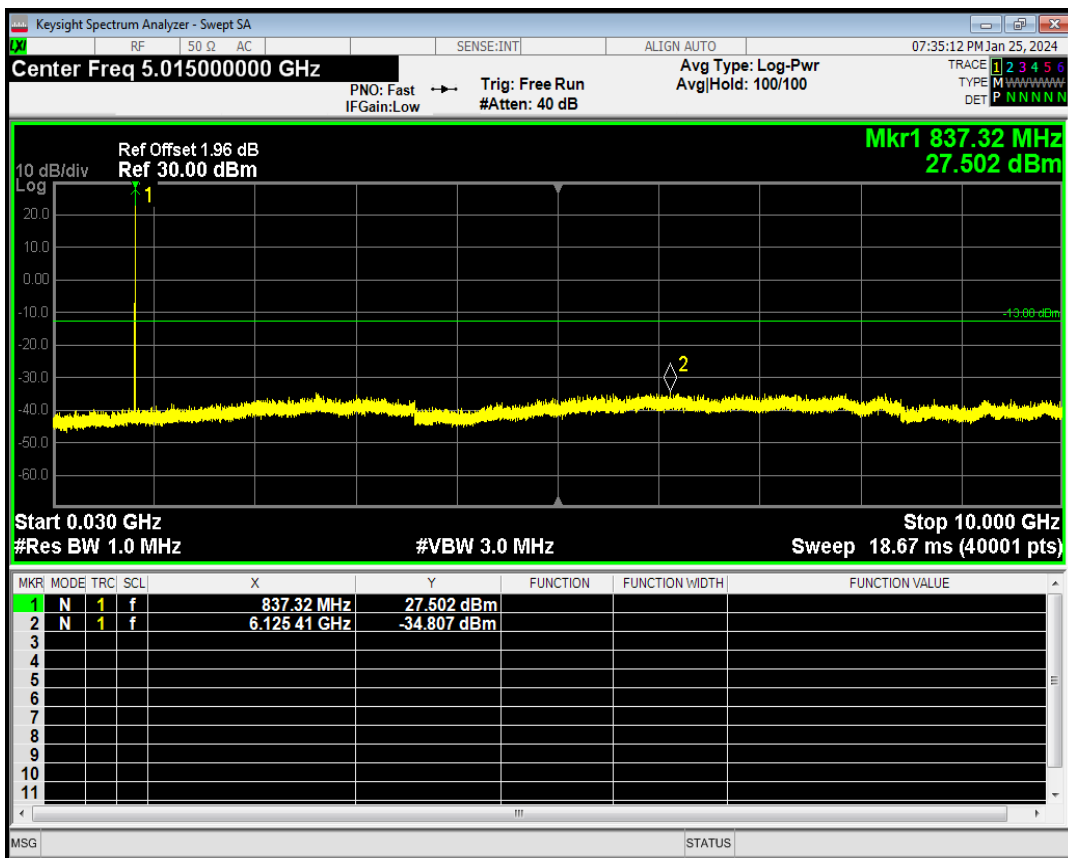
GPRS1900 Channel=810



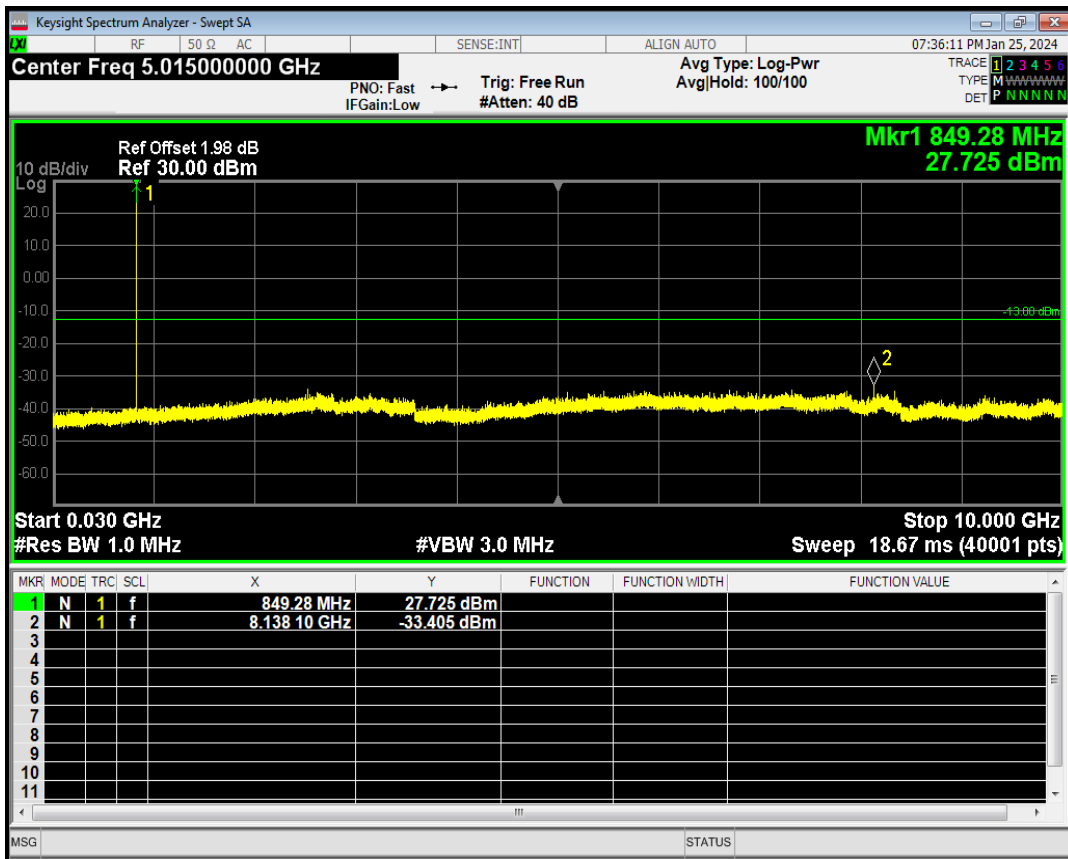
GPRS850 Channel=128



GPRS850 Channel=190



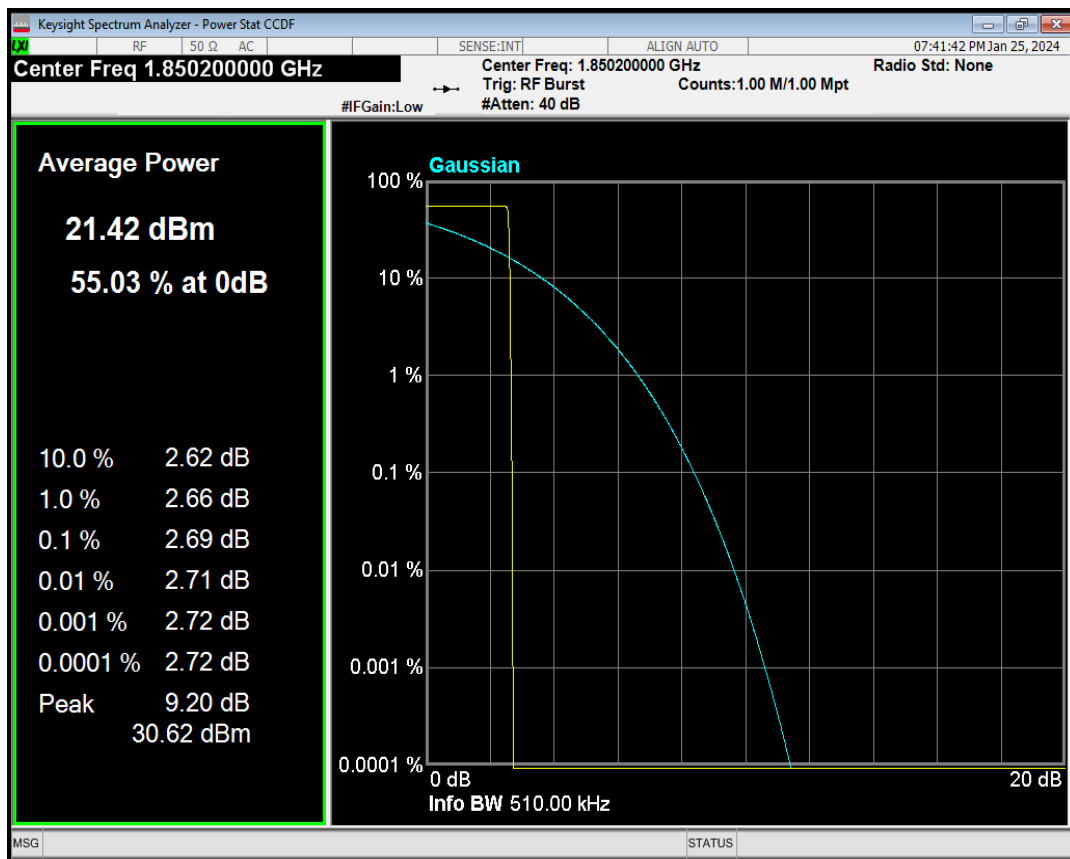
GPRS850 Channel=251



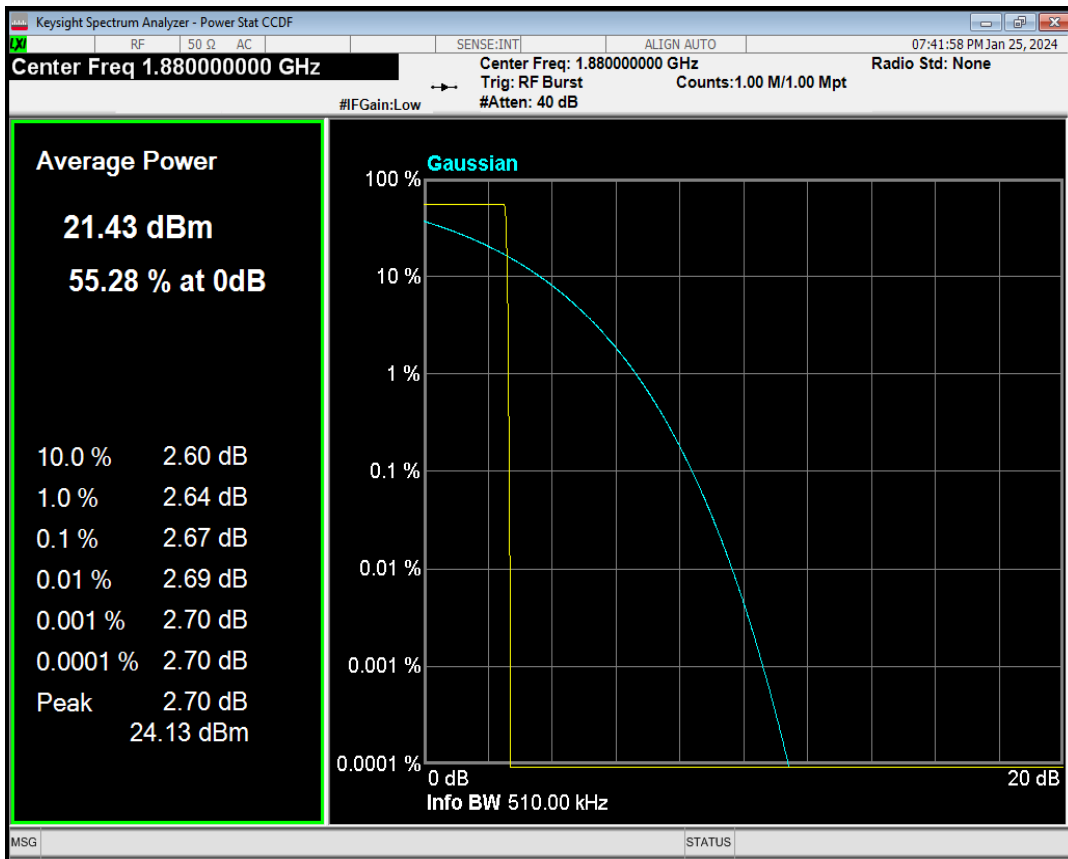
03 Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GSM1900	512	1850.2	2.69	13	PASS
GSM1900	661	1880	2.67	13	PASS
GSM1900	810	1909.8	2.67	13	PASS
GSM850	128	824.2	2.68	13	PASS
GSM850	190	836.6	2.69	13	PASS
GSM850	251	848.8	2.68	13	PASS

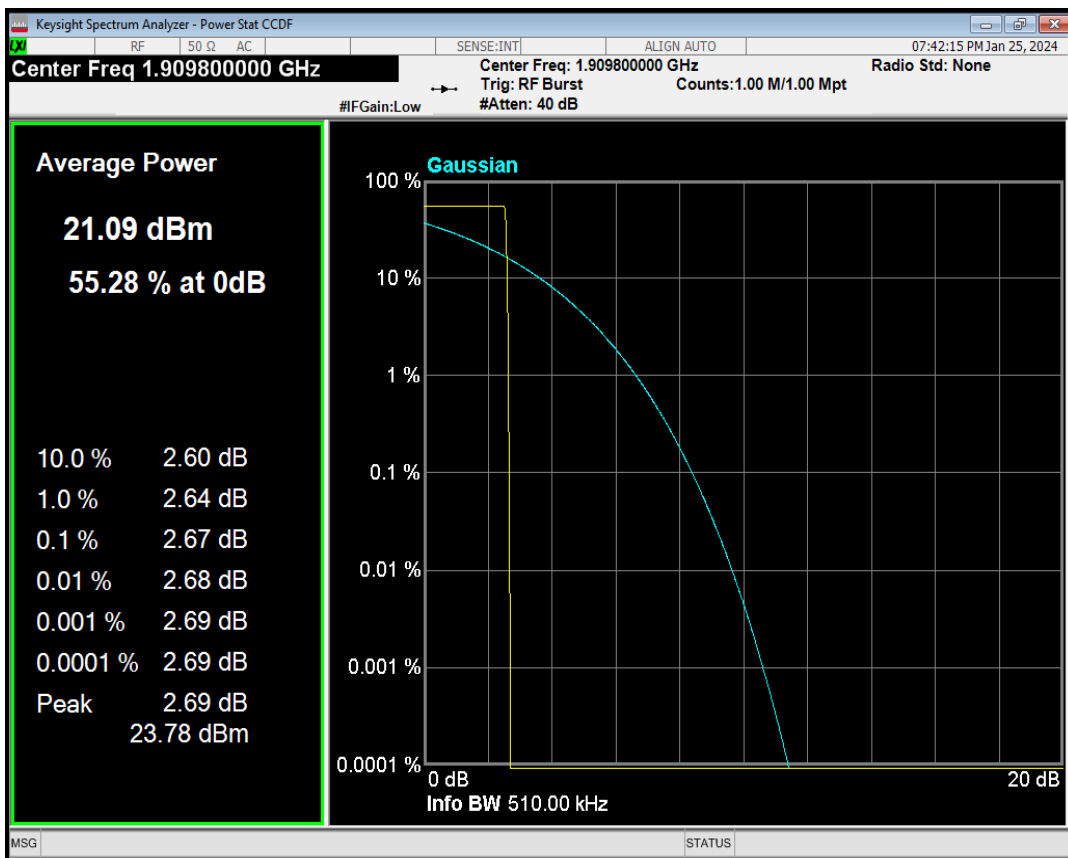
GSM1900 Channel=512



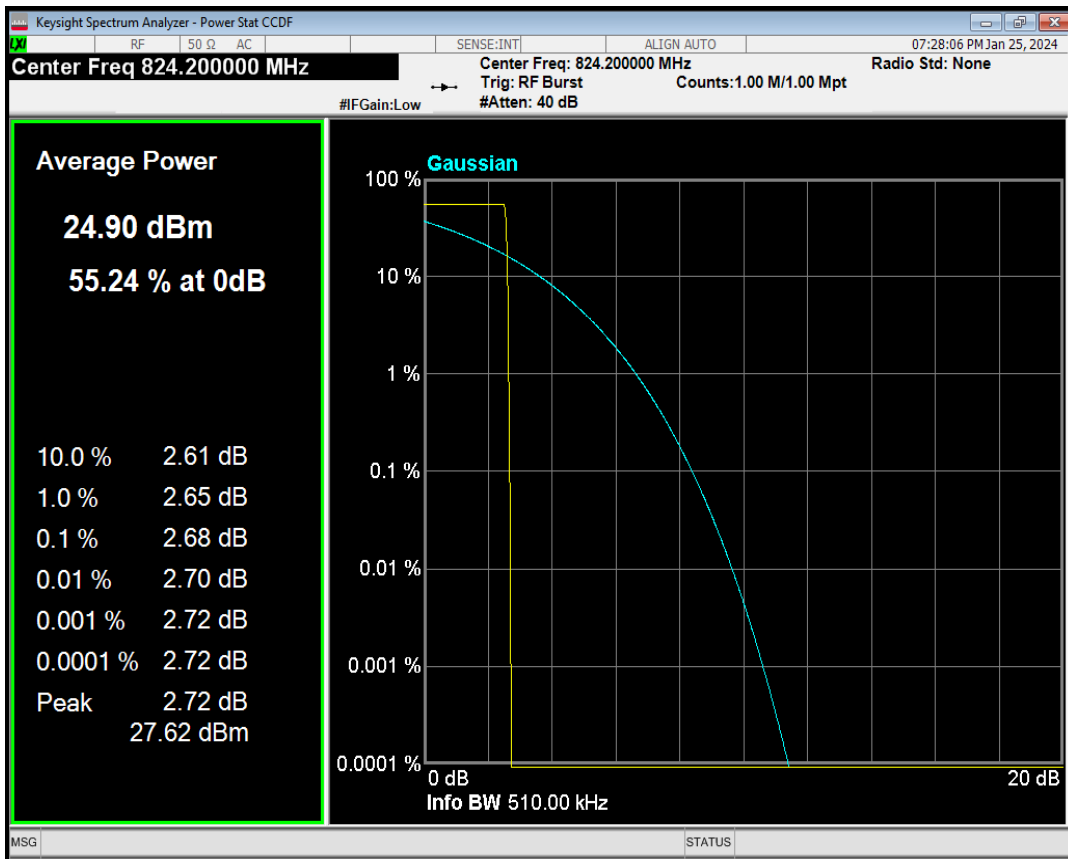
GSM1900 Channel=661



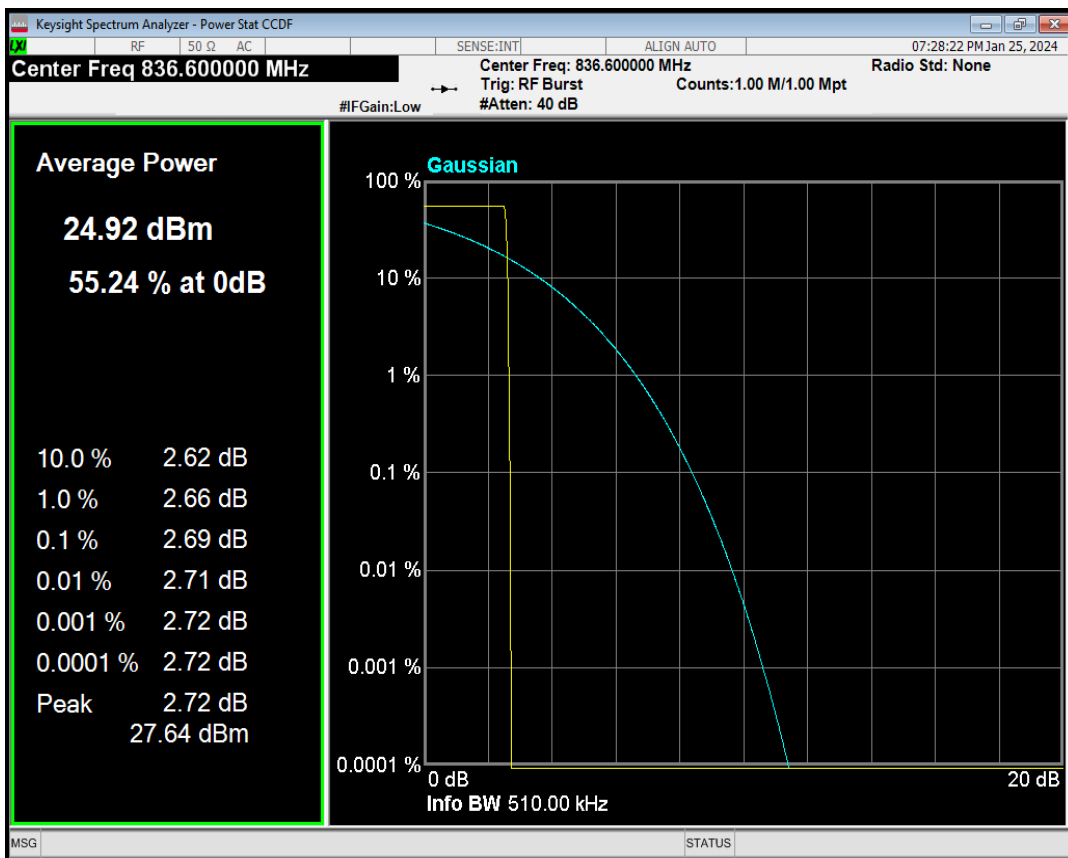
GSM1900 Channel=810



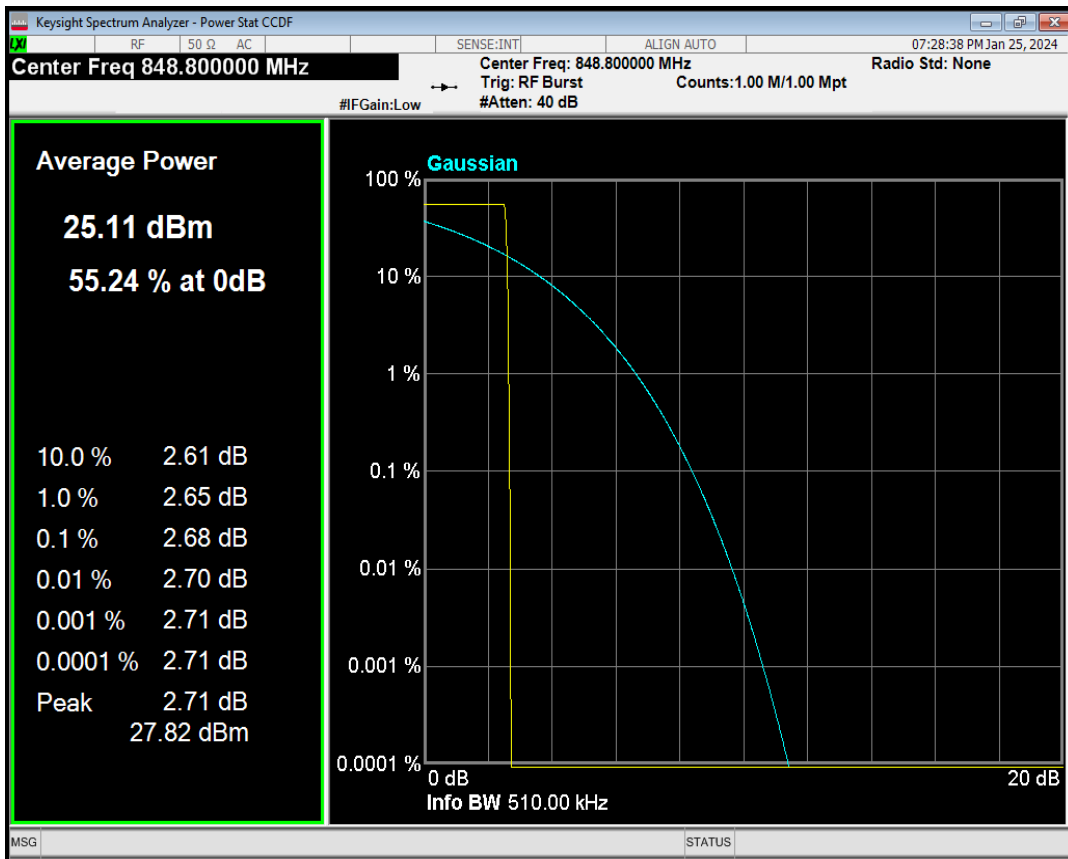
GSM850 Channel=128



GSM850 Channel=190



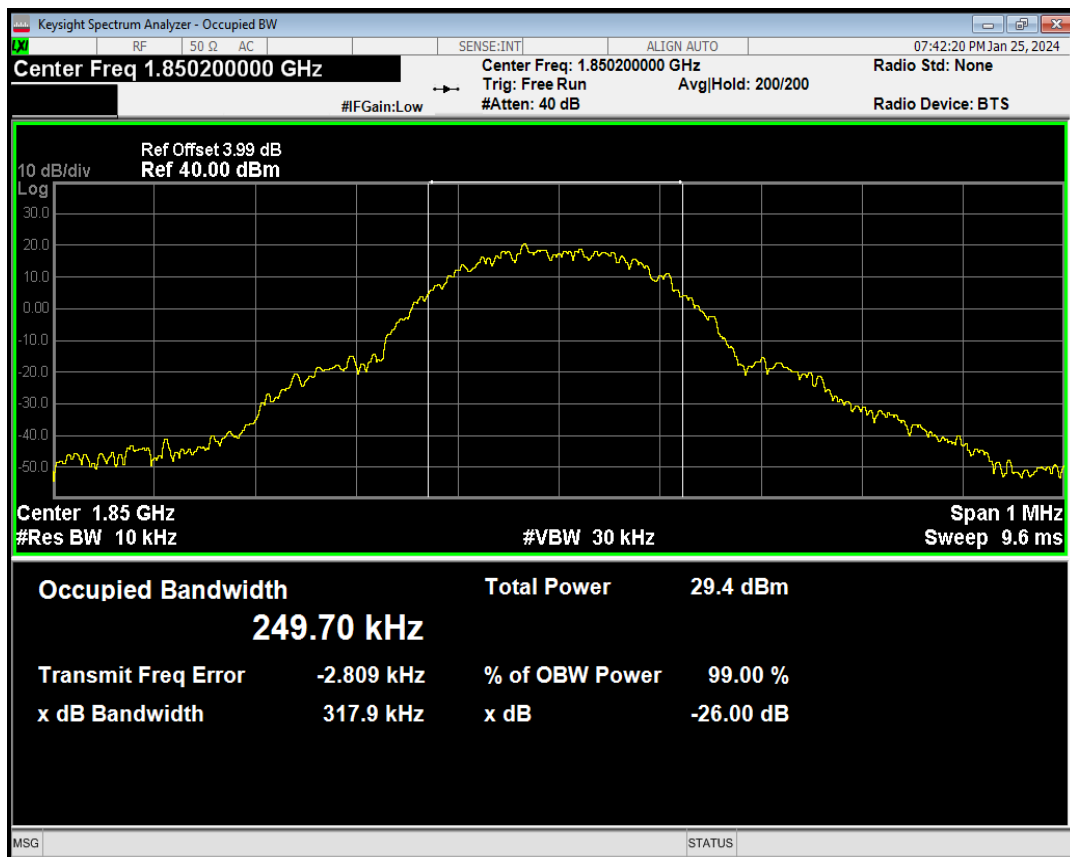
GSM850 Channel=251



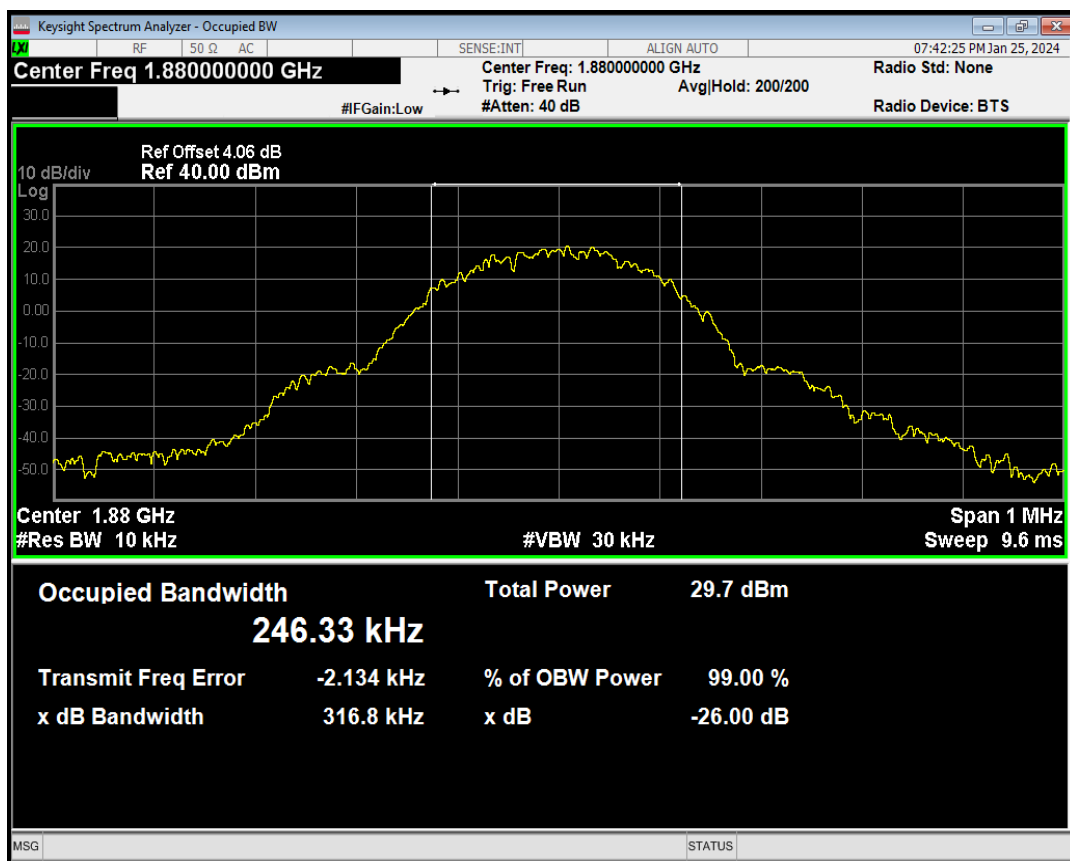
04 Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GSM1900	512	1850.2	249.701	317.913	PASS
GSM1900	661	1880	246.334	316.764	PASS
GSM1900	810	1909.8	246.488	315.675	PASS
GSM850	128	824.2	244.438	318.051	PASS
GSM850	190	836.6	250.271	319.401	PASS
GSM850	251	848.8	248.522	323.107	PASS

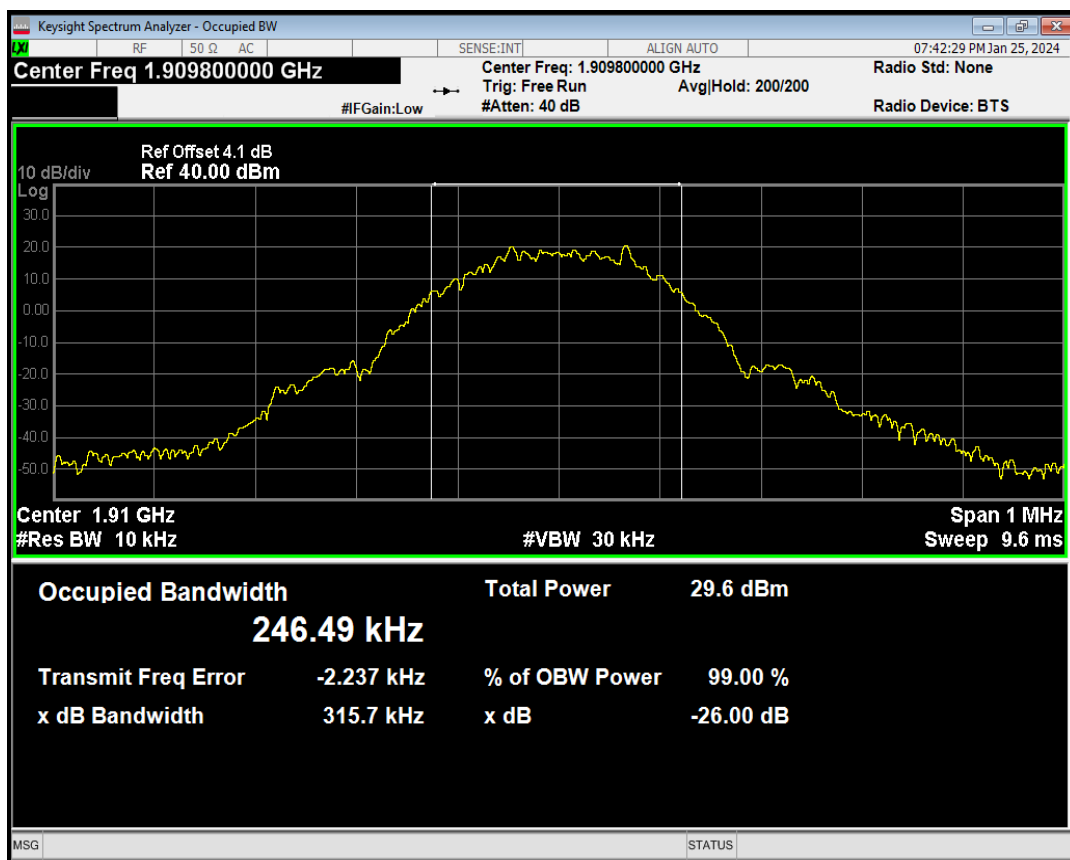
GSM1900 Channel=512



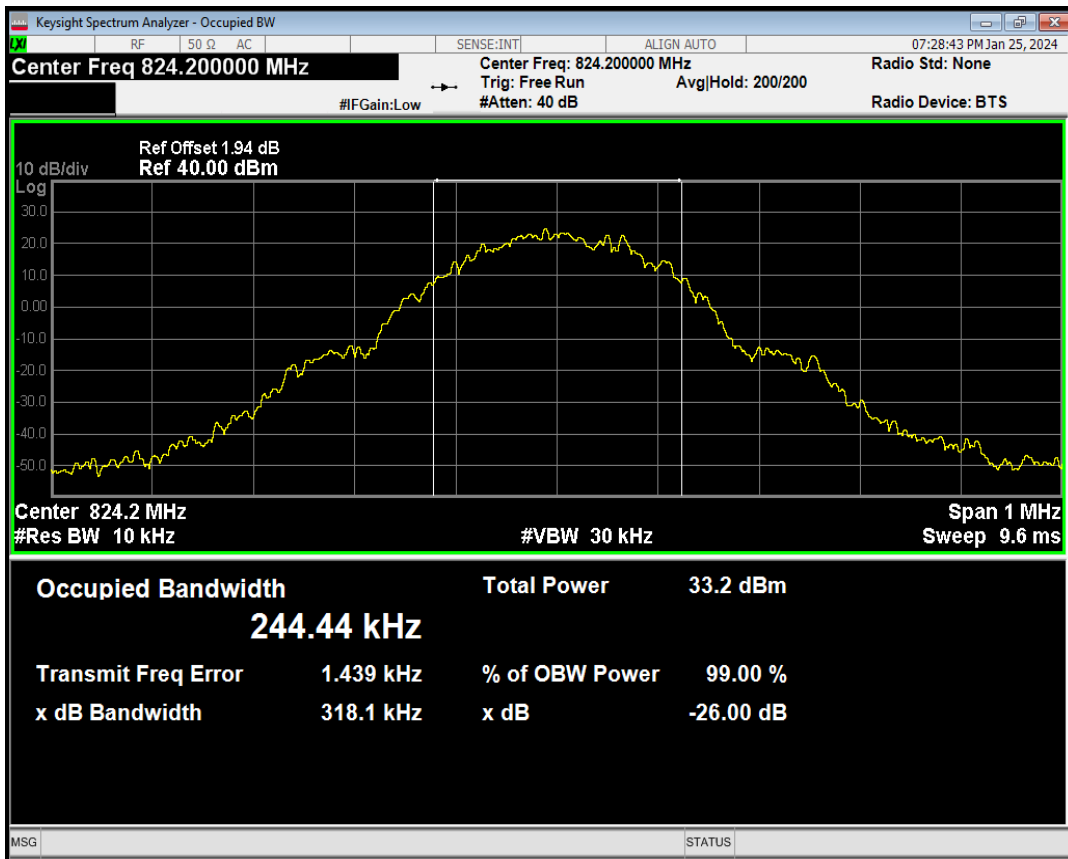
GSM1900 Channel=661



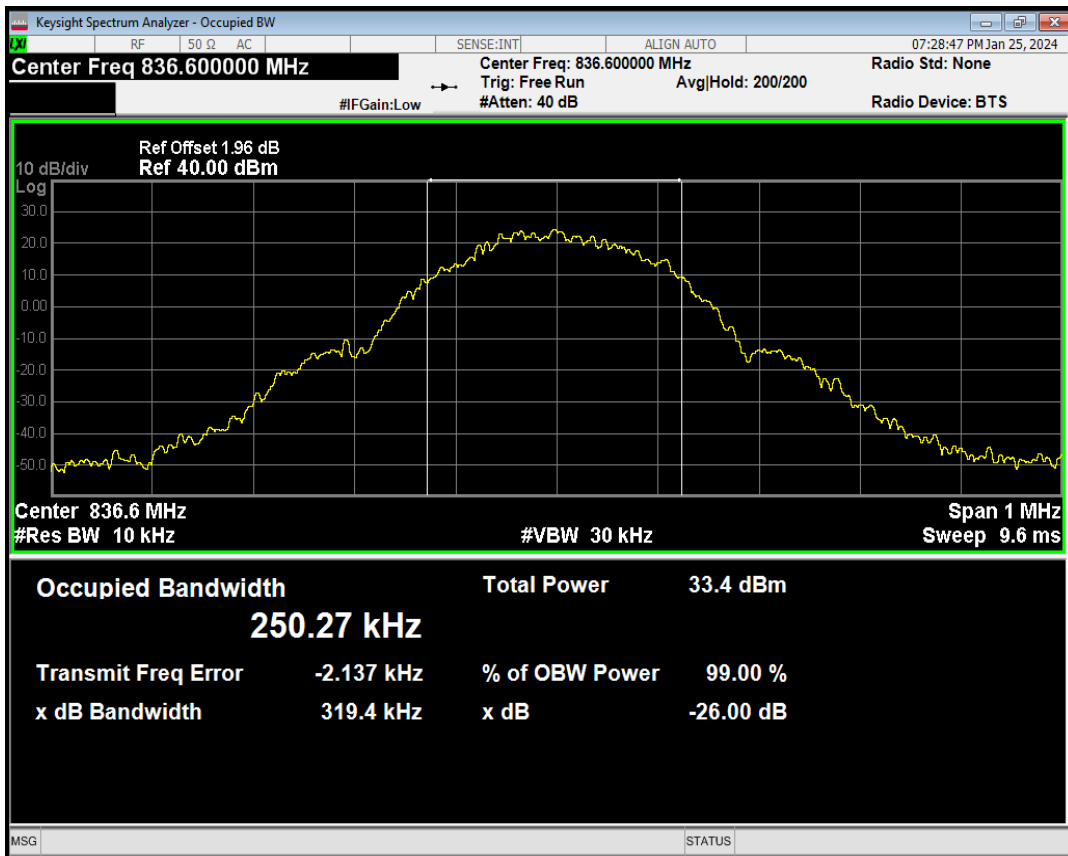
GSM1900 Channel=810



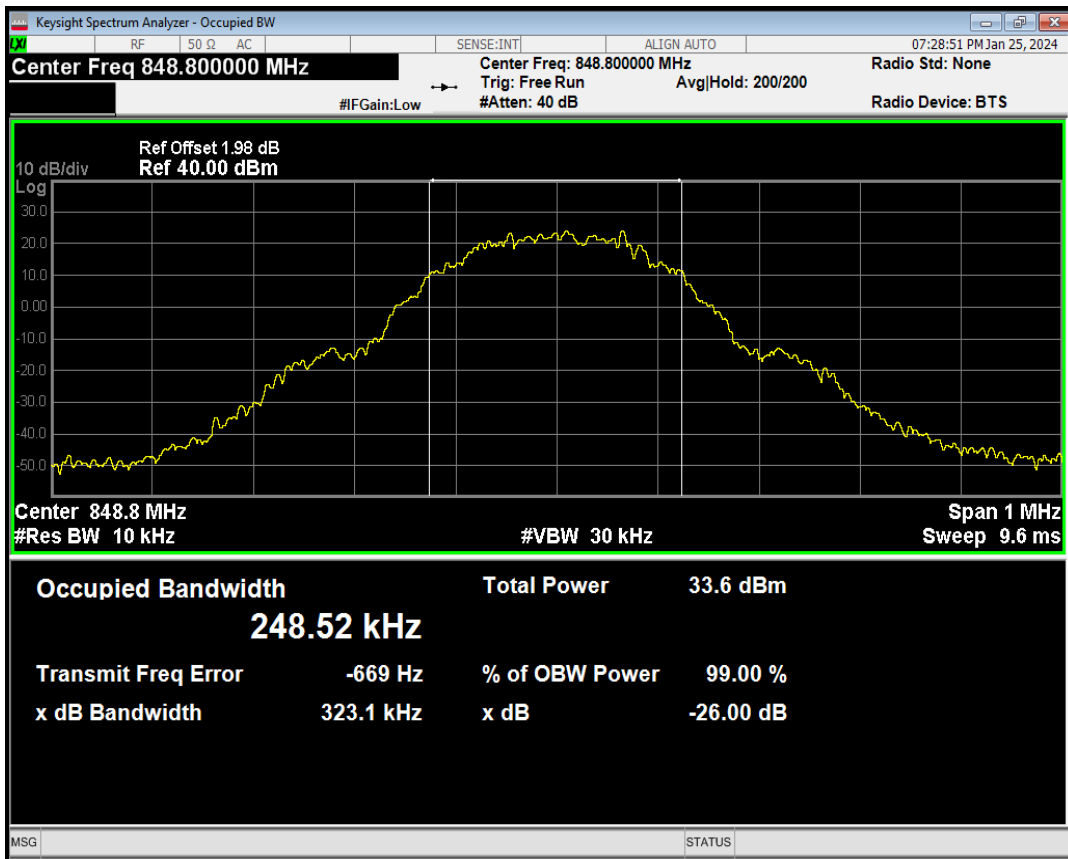
GSM850 Channel=128



GSM850 Channel=190



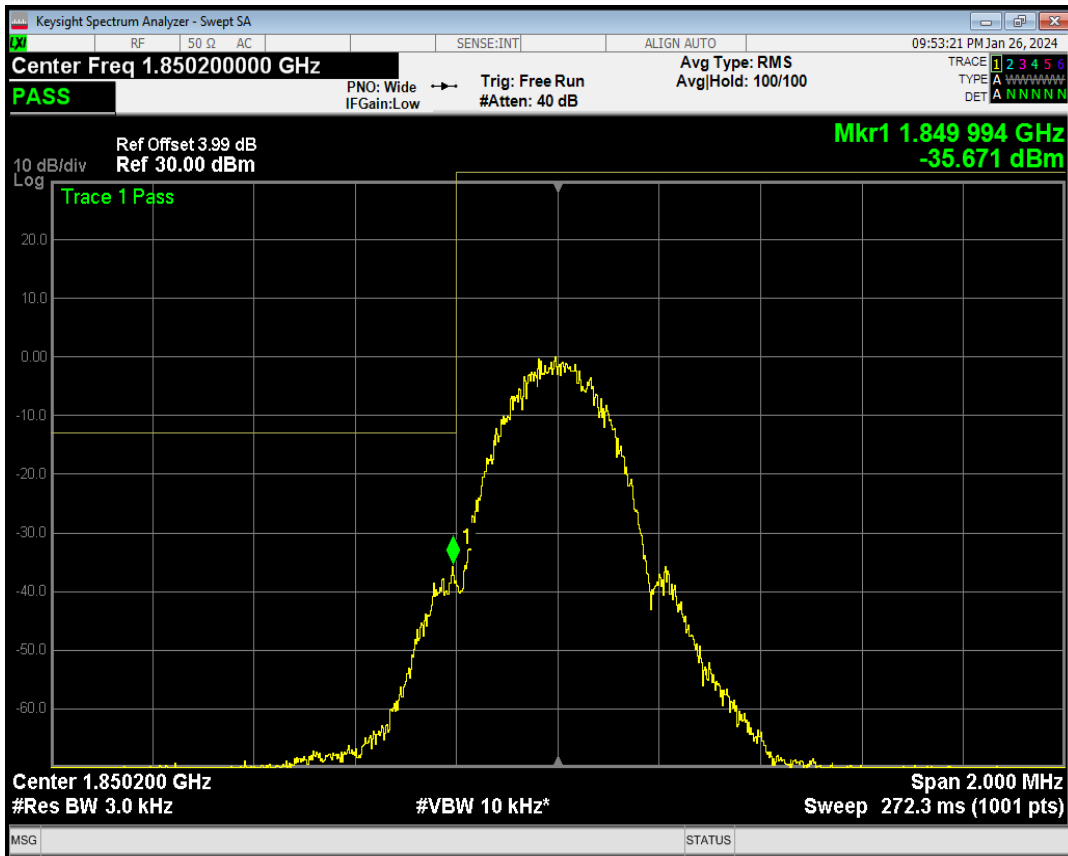
GSM850 Channel=251



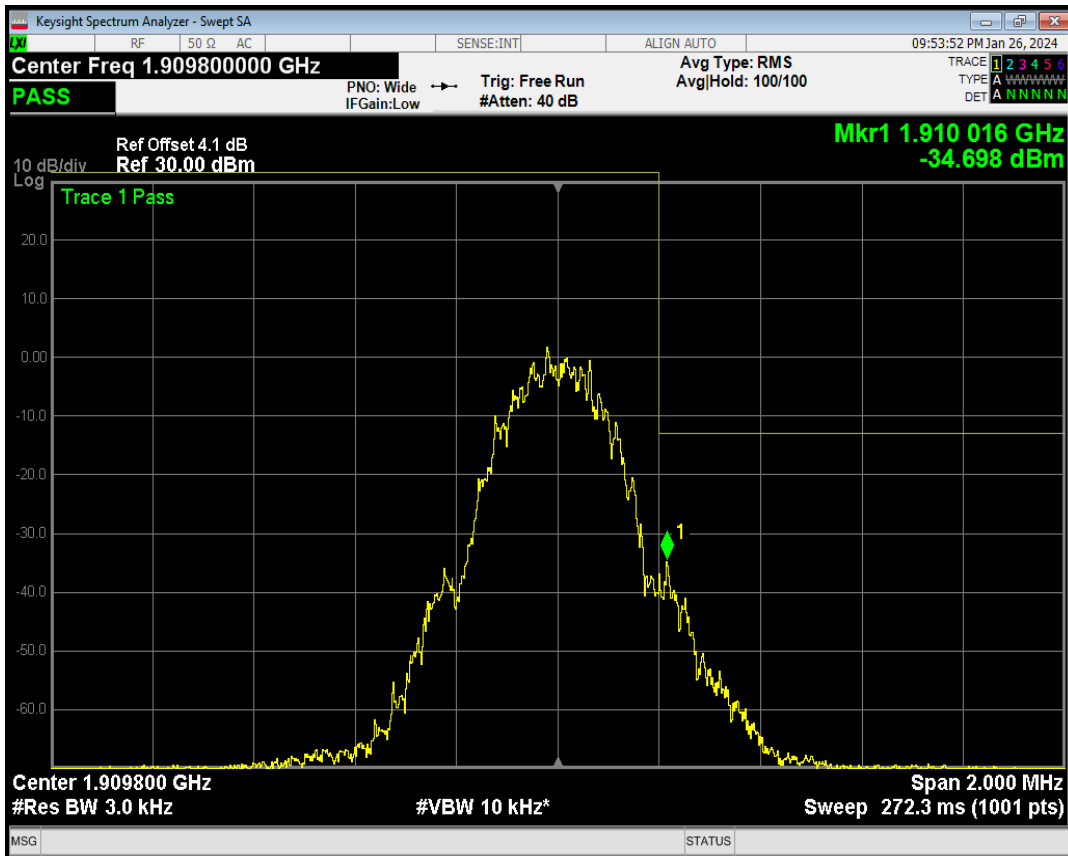
05 Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GSM1900	512	1850.2	1849.99	-35.67	-13	PASS
GSM1900	810	1909.8	1910.02	-34.69	-13	PASS
GSM850	128	824.2	823.99	-32.37	-13	PASS
GSM850	251	848.8	849.02	-31.39	-13	PASS

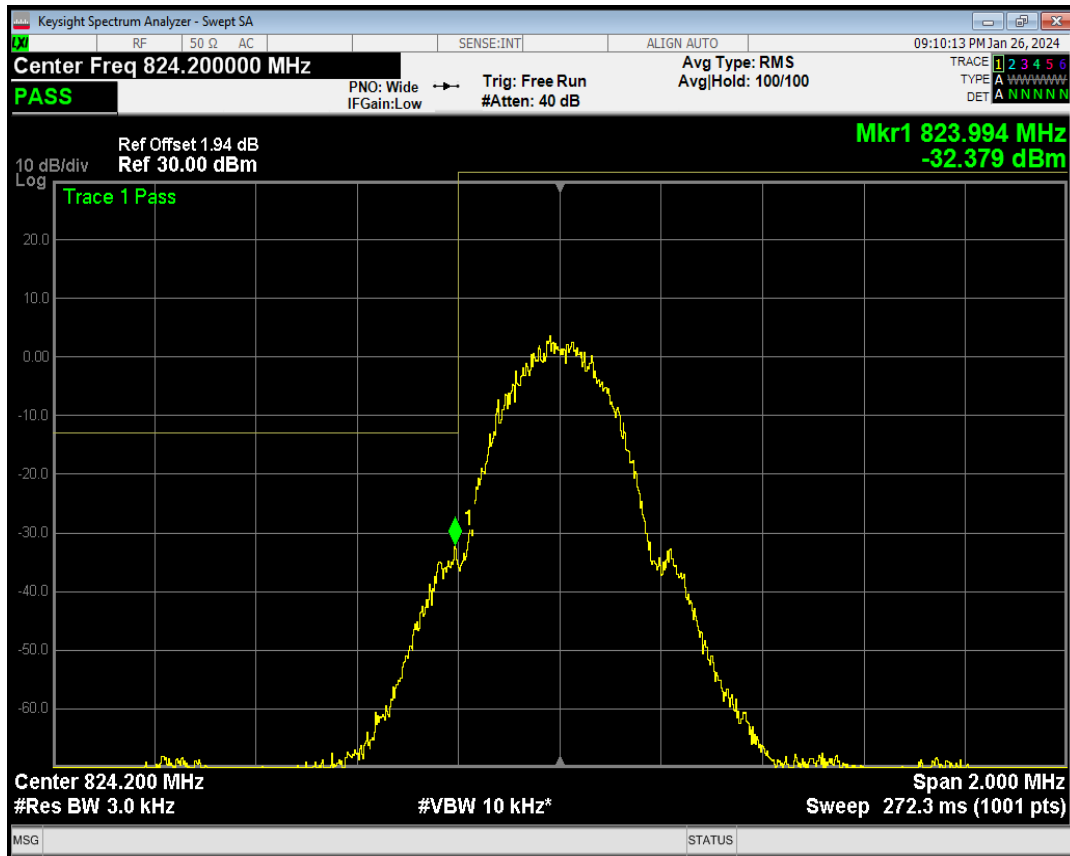
GSM1900 Channel=512



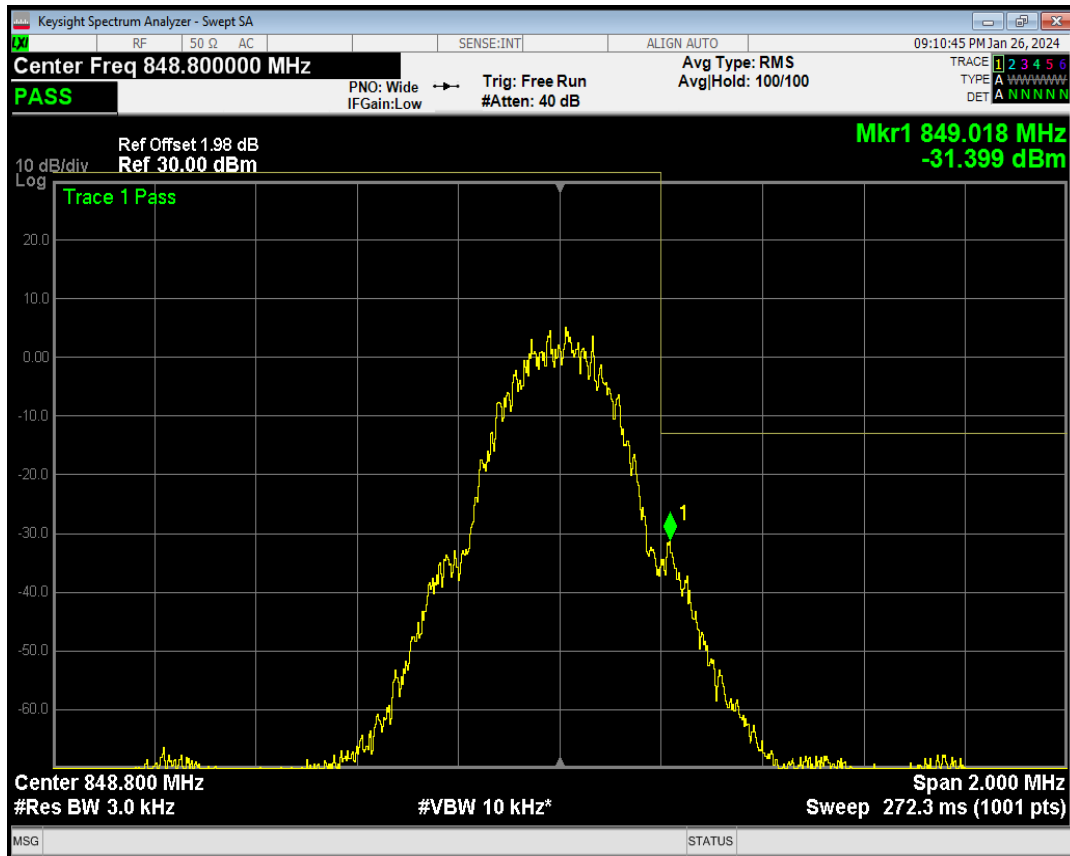
GSM1900 Channel=810



GSM850 Channel=128



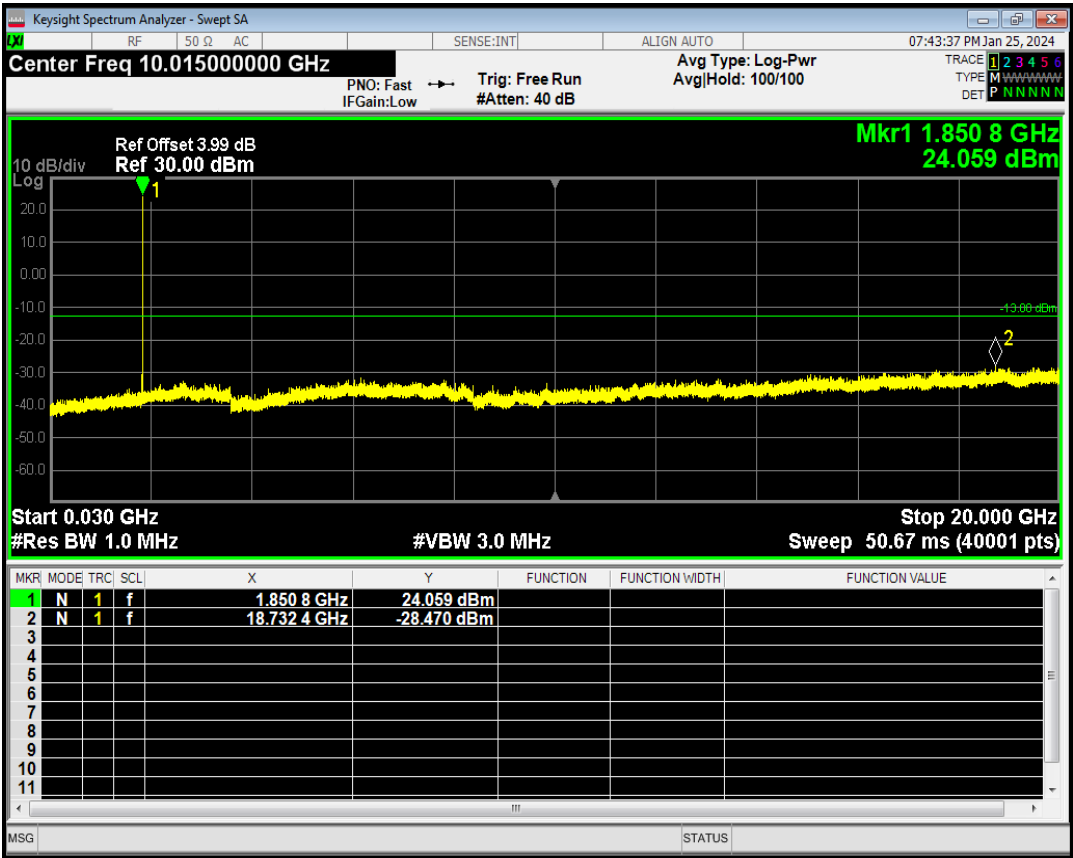
GSM850 Channel=251



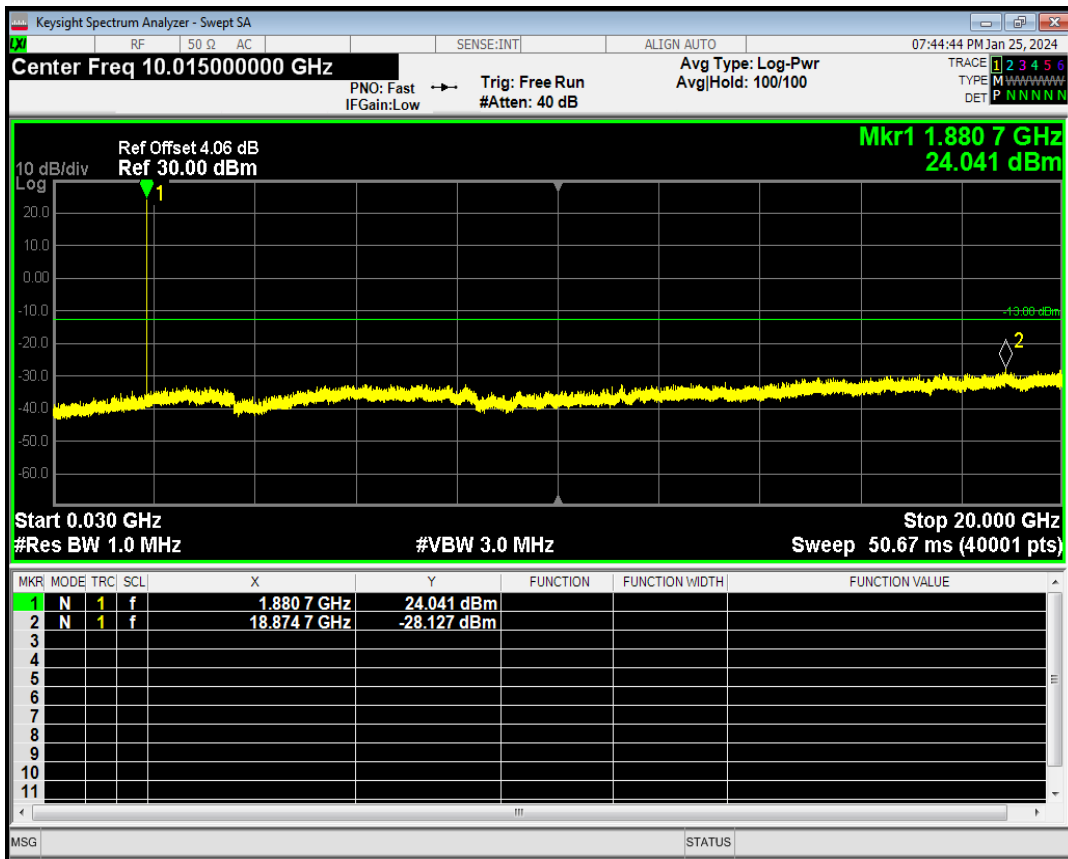
06 Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GSM1900	512	1850.2	18732.40	-28.47	-13	PASS
GSM1900	661	1880	18874.69	-28.12	-13	PASS
GSM1900	810	1909.8	19762.36	-28.37	-13	PASS
GSM850	128	824.2	2473.40	-33.77	-13	PASS
GSM850	190	836.6	7860.44	-34.11	-13	PASS
GSM850	251	848.8	2546.93	-34.24	-13	PASS

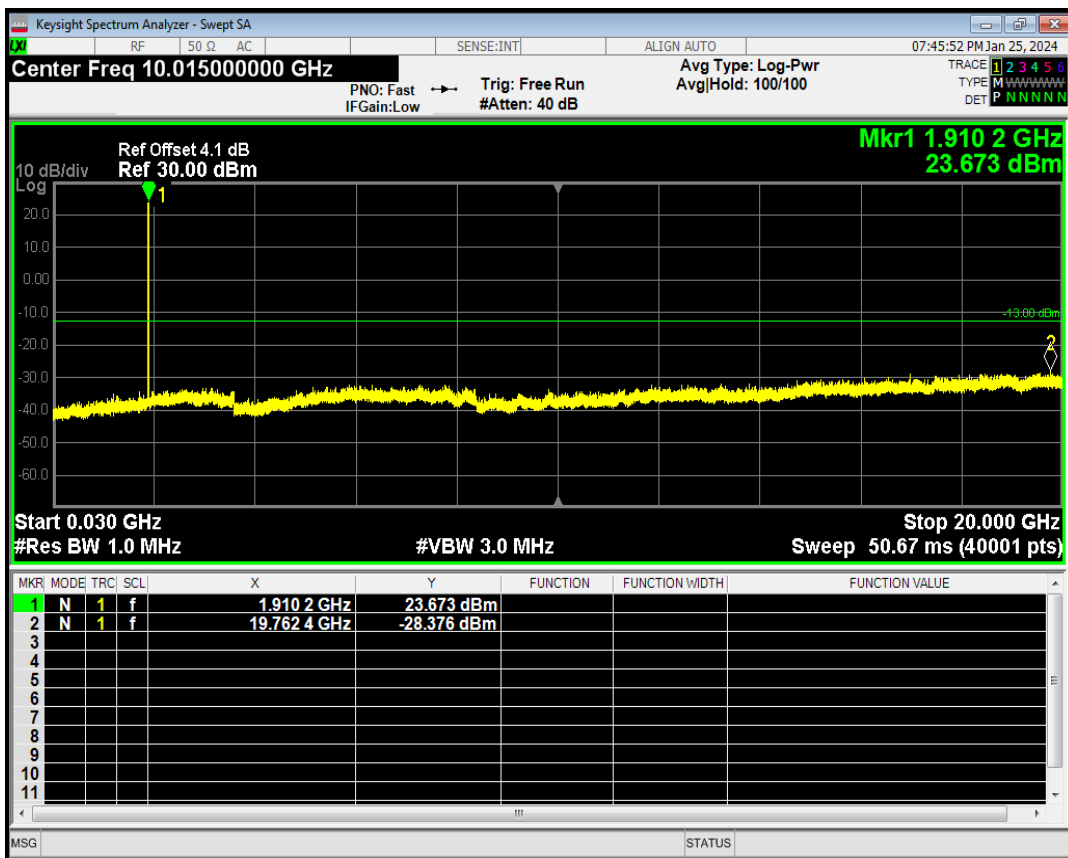
GSM1900 Channel=512



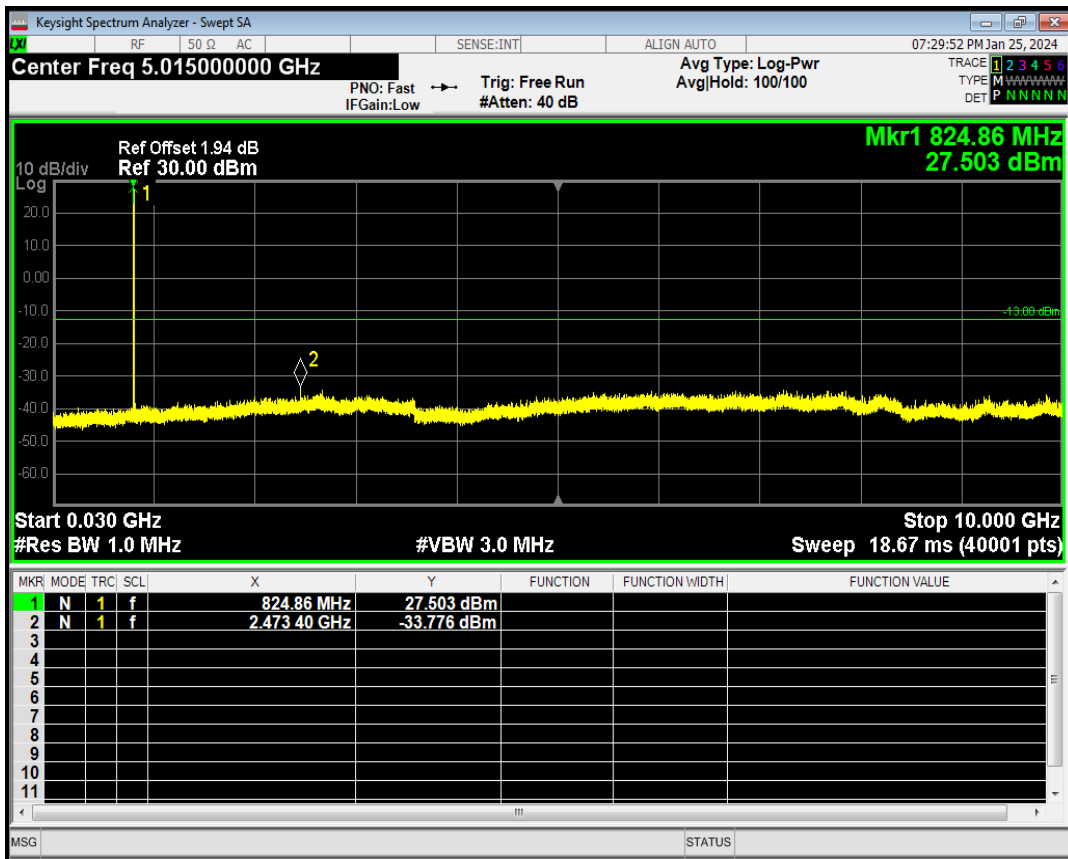
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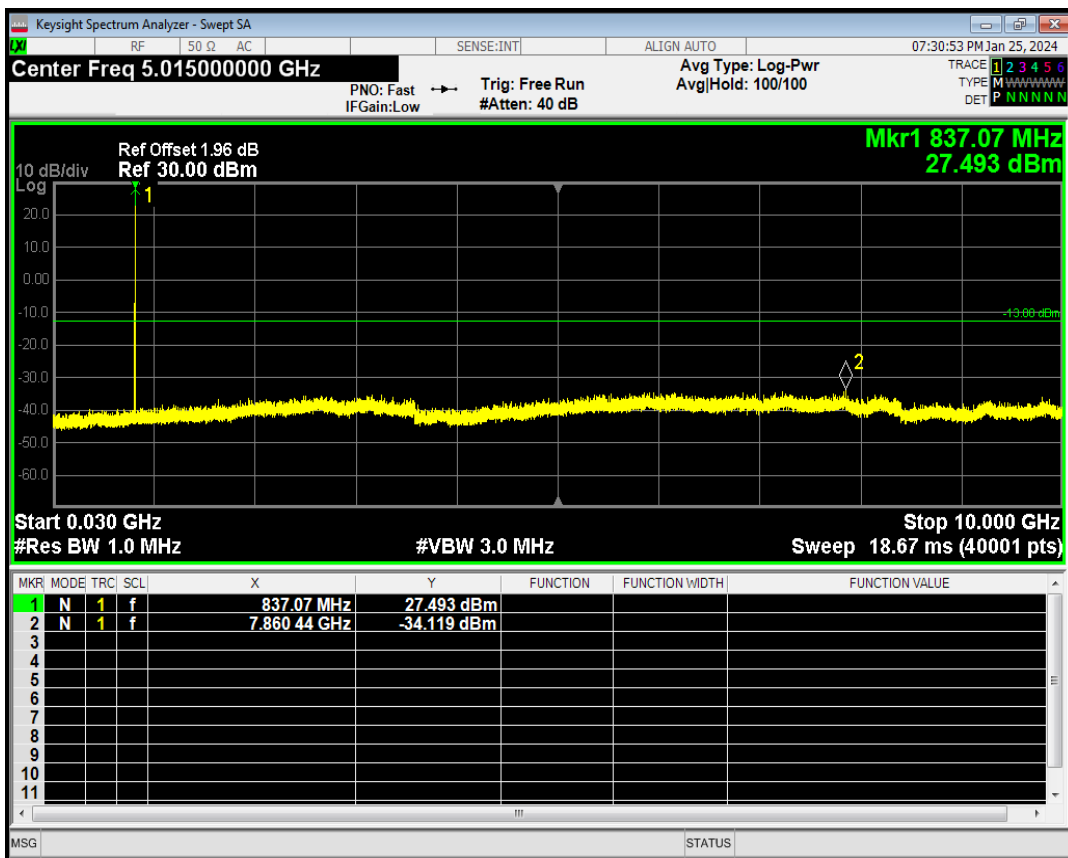
GSM1900 Channel=810



GSM850 Channel=128



GSM850 Channel=190



GSM850 Channel=251

