01 Conducted output power

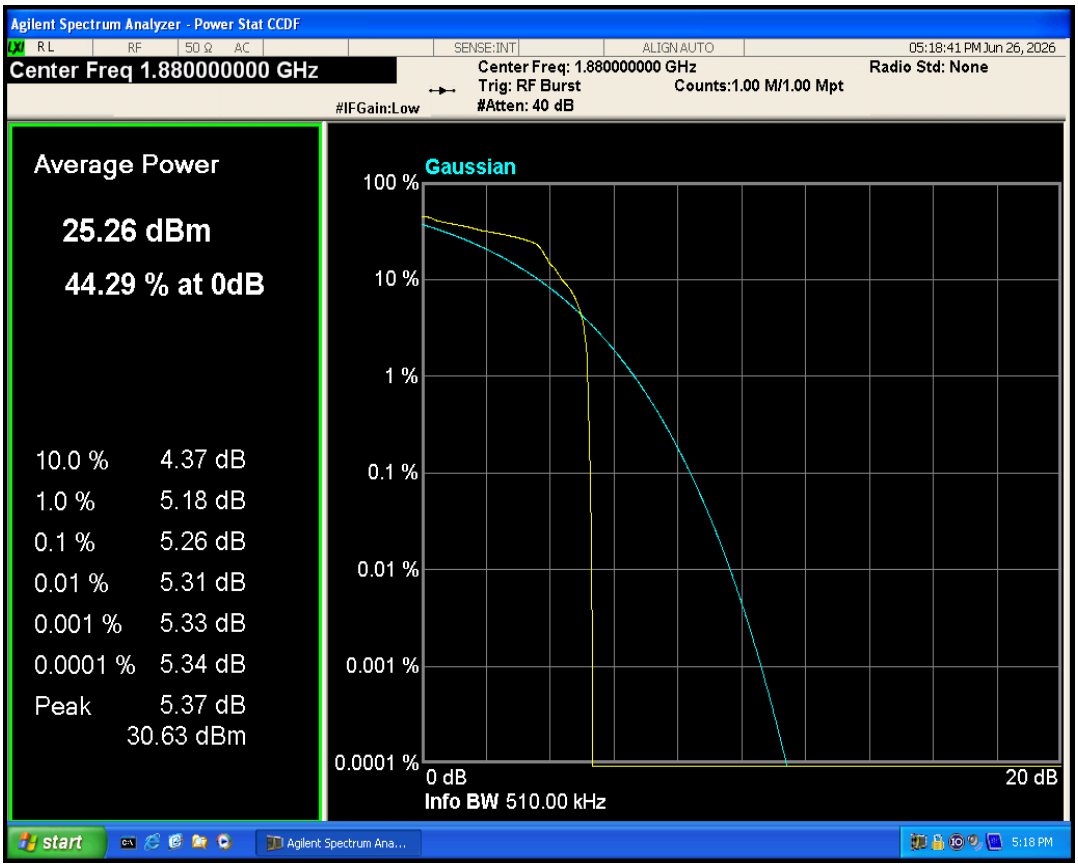
Band	Channel	Frequency (MHz)	Power (dBm)	Verdict
EGPRS1900 1 Slot	512	1850.2	26.30	PASS
EGPRS1900 1 Slot	661	1880	26.03	PASS
EGPRS1900 1 Slot	810	1909.8	26.18	PASS
EGPRS1900 2 Slot	512	1850.2	25.39	PASS
EGPRS1900 2 Slot	661	1880	25.38	PASS
EGPRS1900 2 Slot	810	1909.8	24.87	PASS
EGPRS1900 3 Slot	512	1850.2	23.40	PASS
EGPRS1900 3 Slot	661	1880	23.41	PASS
EGPRS1900 3 Slot	810	1909.8	23.19	PASS
EGPRS1900 4 Slot	512	1850.2	22.16	PASS
EGPRS1900 4 Slot	661	1880	22.43	PASS
EGPRS1900 4 Slot	810	1909.8	22.14	PASS
EGPRS850 1 Slot	128	824.2	26.00	PASS
EGPRS850 1 Slot	189	836.4	25.84	PASS
EGPRS850 1 Slot	251	848.8	26.33	PASS
EGPRS850 2 Slot	128	824.2	24.96	PASS
EGPRS850 2 Slot	189	836.4	25.23	PASS
EGPRS850 2 Slot	251	848.8	24.66	PASS
EGPRS850 3 Slot	128	824.2	23.11	PASS
EGPRS850 3 Slot	189	836.4	23.02	PASS
EGPRS850 3 Slot	251	848.8	23.47	PASS
EGPRS850 4 Slot	128	824.2	21.92	PASS
EGPRS850 4 Slot	189	836.4	21.79	PASS
EGPRS850 4 Slot	251	848.8	21.58	PASS
GPRS1900 1 Slot	512	1850.2	29.54	PASS
GPRS1900 1 Slot	661	1880	29.03	PASS
GPRS1900 1 Slot	810	1909.8	28.66	PASS
GPRS1900 2 Slot	512	1850.2	29.00	PASS
GPRS1900 2 Slot	661	1880	28.46	PASS
GPRS1900 2 Slot	810	1909.8	28.09	PASS
GPRS1900 3 Slot	512	1850.2	27.58	PASS
GPRS1900 3 Slot	661	1880	27.01	PASS
GPRS1900 3 Slot	810	1909.8	26.59	PASS
GPRS1900 4 Slot	512	1850.2	26.60	PASS
GPRS1900 4 Slot	661	1880	26.02	PASS
GPRS1900 4 Slot	810	1909.8	25.60	PASS
GPRS850 1 Slot	128	824.2	31.81	PASS
GPRS850 1 Slot	189	836.4	31.27	PASS
GPRS850 1 Slot	251	848.8	31.36	PASS
GPRS850 2 Slot	128	824.2	31.32	PASS
GPRS850 2 Slot	189	836.4	30.76	PASS

GPRS850 2 Slot	251	848.8	30.83	PASS
GPRS850 3 Slot	128	824.2	30.02	PASS
GPRS850 3 Slot	189	836.4	29.43	PASS
GPRS850 3 Slot	251	848.8	29.44	PASS
GPRS850 4 Slot	128	824.2	29.14	PASS
GPRS850 4 Slot	189	836.4	28.51	PASS
GPRS850 4 Slot	251	848.8	28.56	PASS
GSM1900	512	1850.2	29.56	PASS
GSM1900	661	1880	29.07	PASS
GSM1900	810	1909.8	28.68	PASS
GSM850	128	824.2	31.91	PASS
GSM850	189	836.4	31.34	PASS
GSM850	251	848.8	31.47	PASS

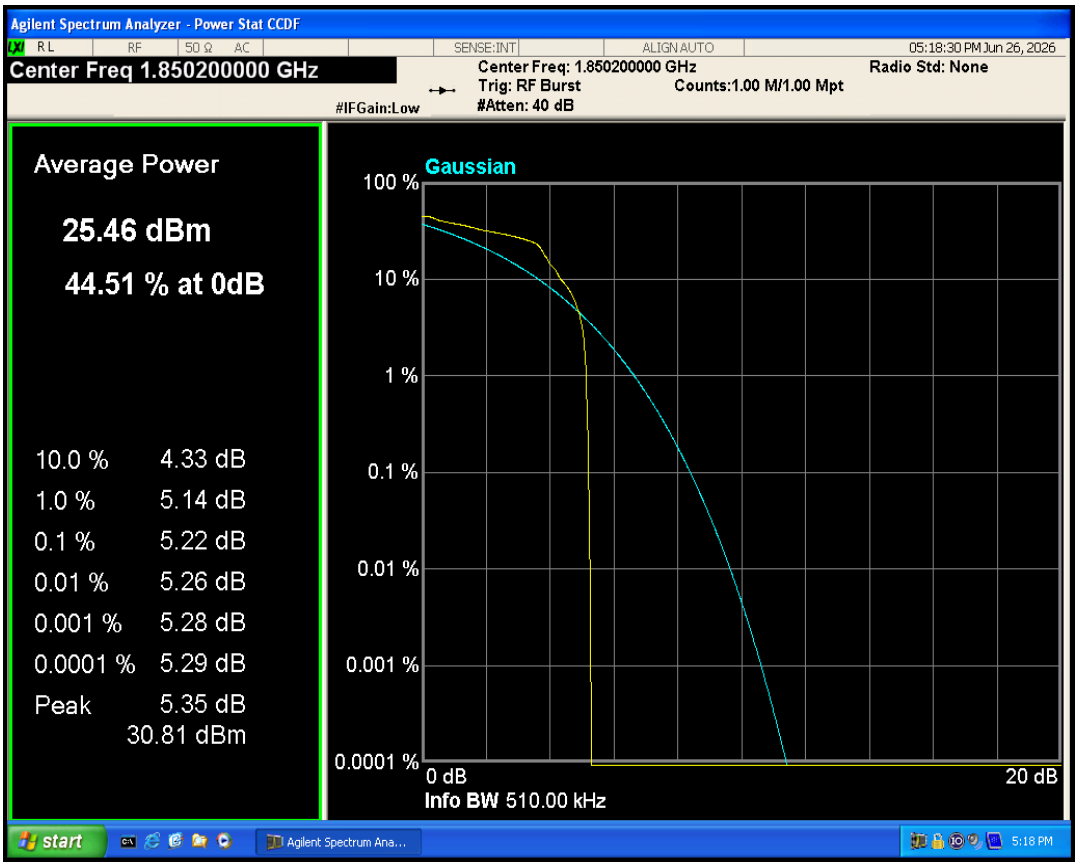
15 Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
EGPRS1900	512	1850.2	5.22	13	PASS
EGPRS1900	661	1880	5.26	13	PASS
EGPRS1900	810	1909.8	5.50	13	PASS
EGPRS850	128	824.2	9.10	13	PASS
EGPRS850	189	836.4	7.88	13	PASS
EGPRS850	251	848.8	8.97	13	PASS

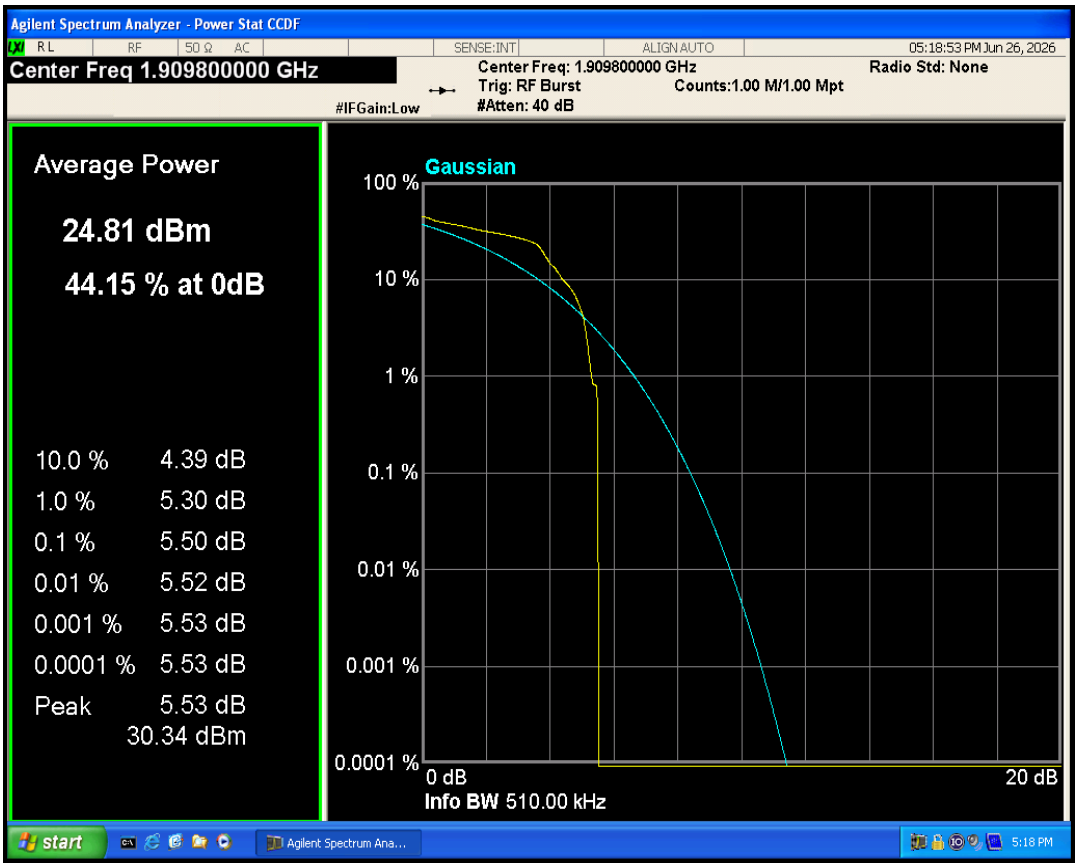
EGPRS1900 Channel=661



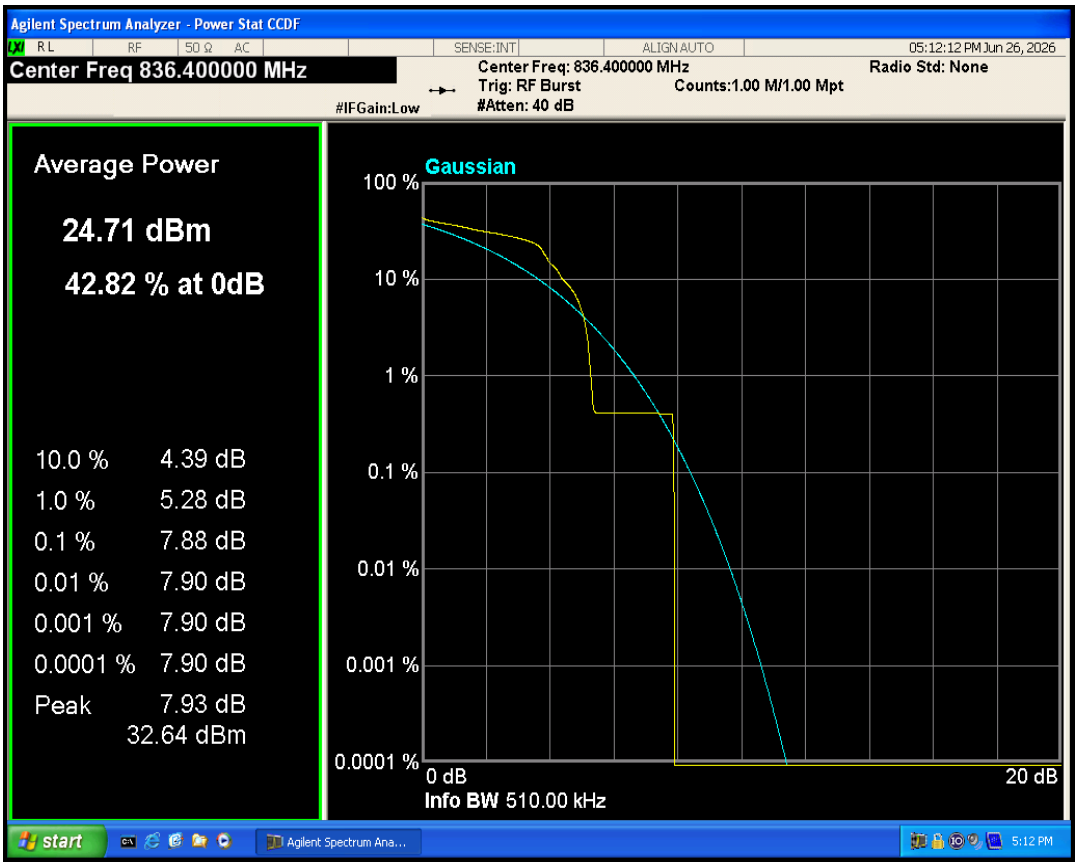
EGPRS1900 Channel=512



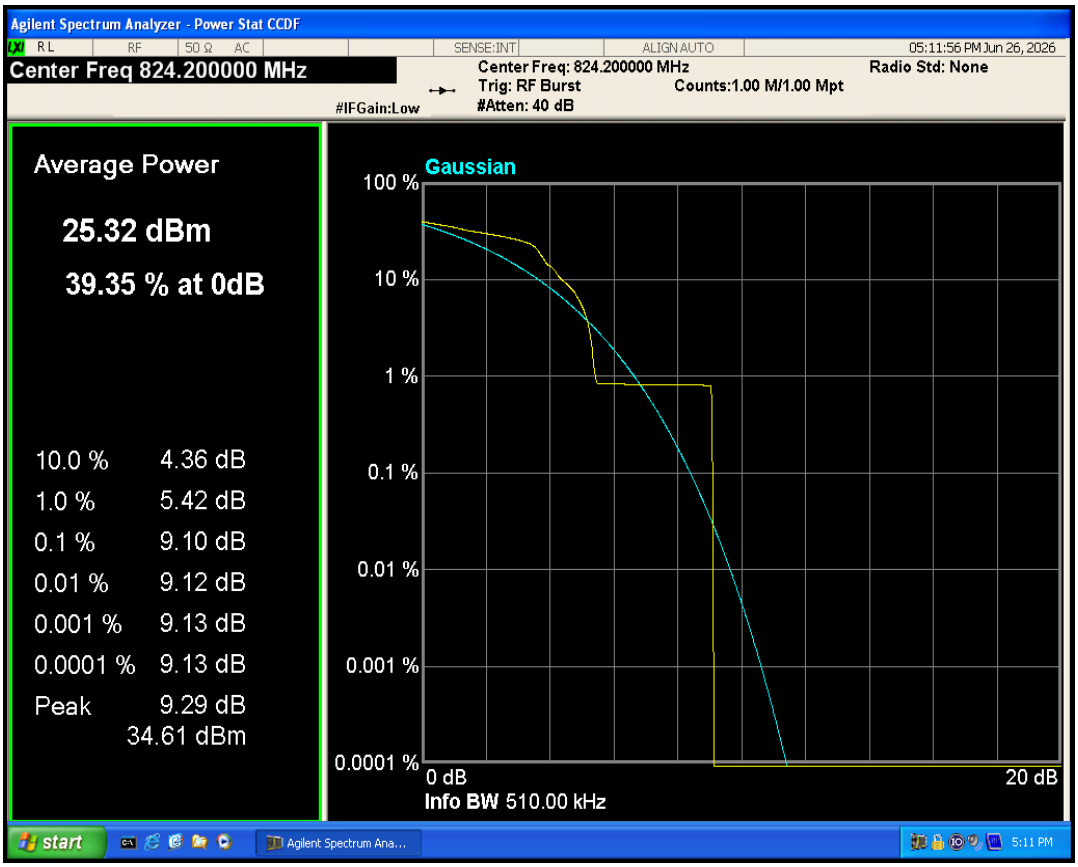
EGPRS1900 Channel=810



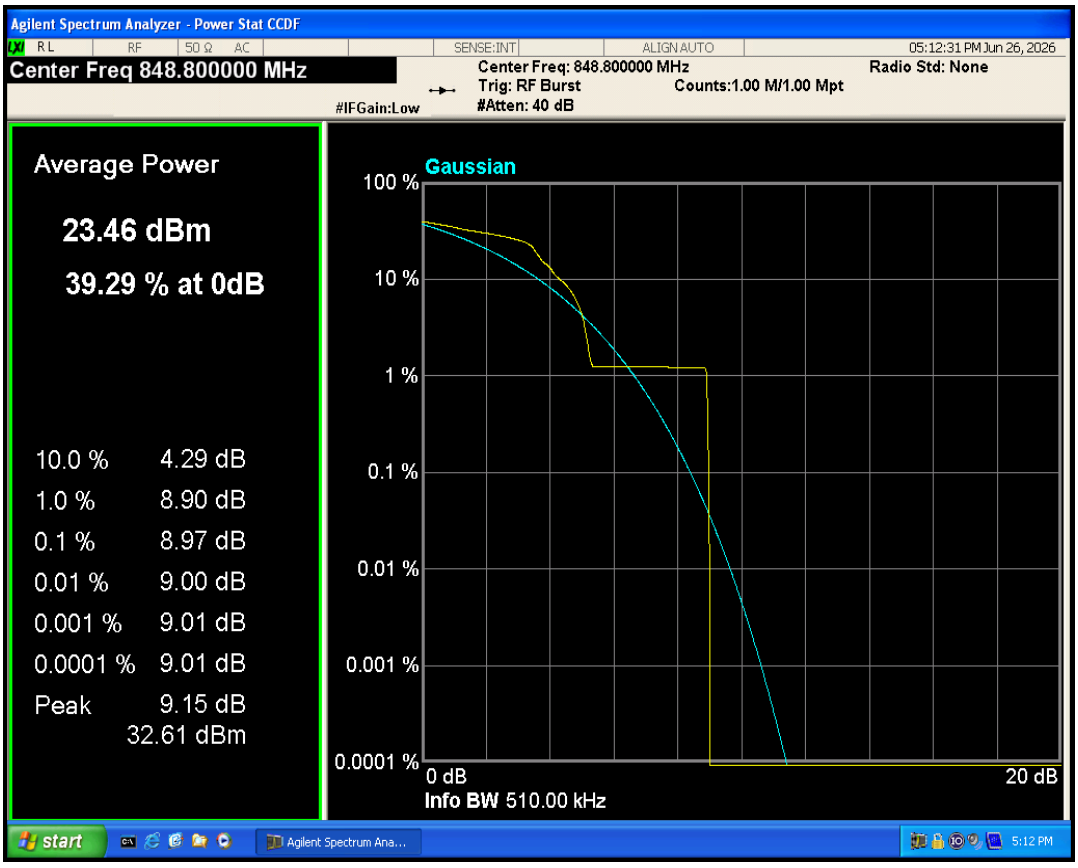
EGPRS850 Channel=189



EGPRS850 Channel=128



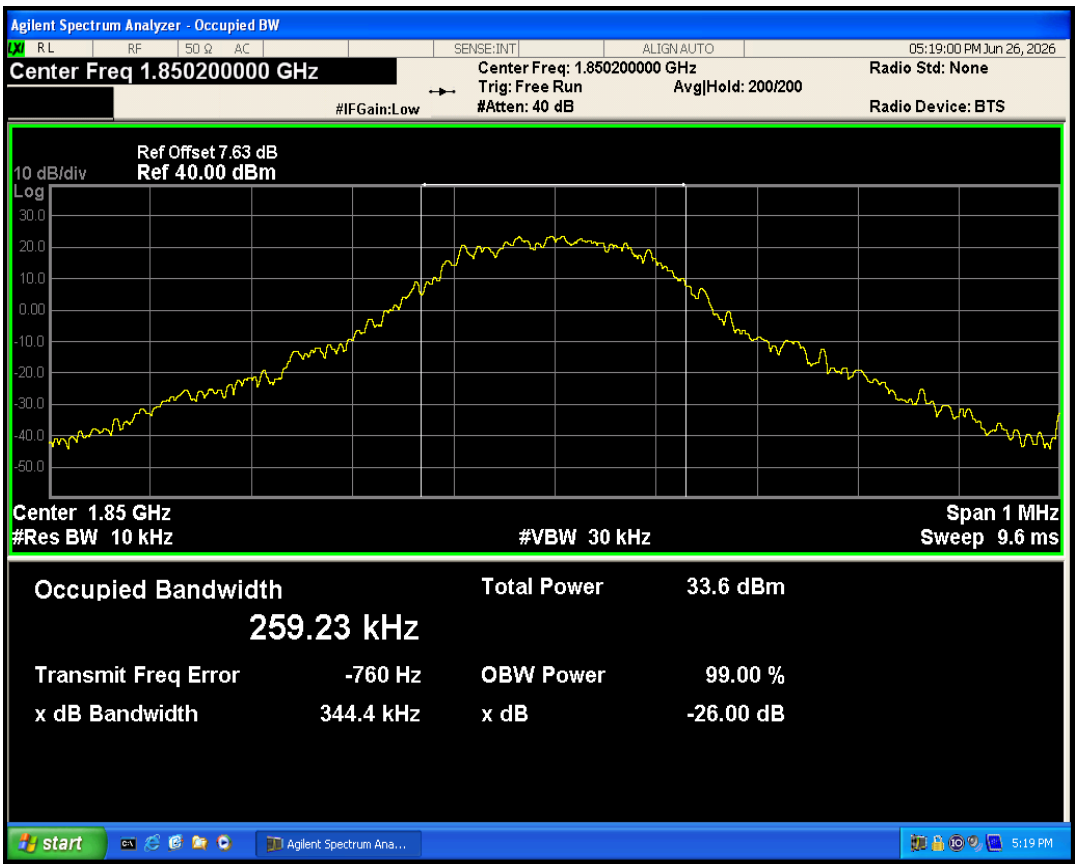
EGPRS850 Channel=251



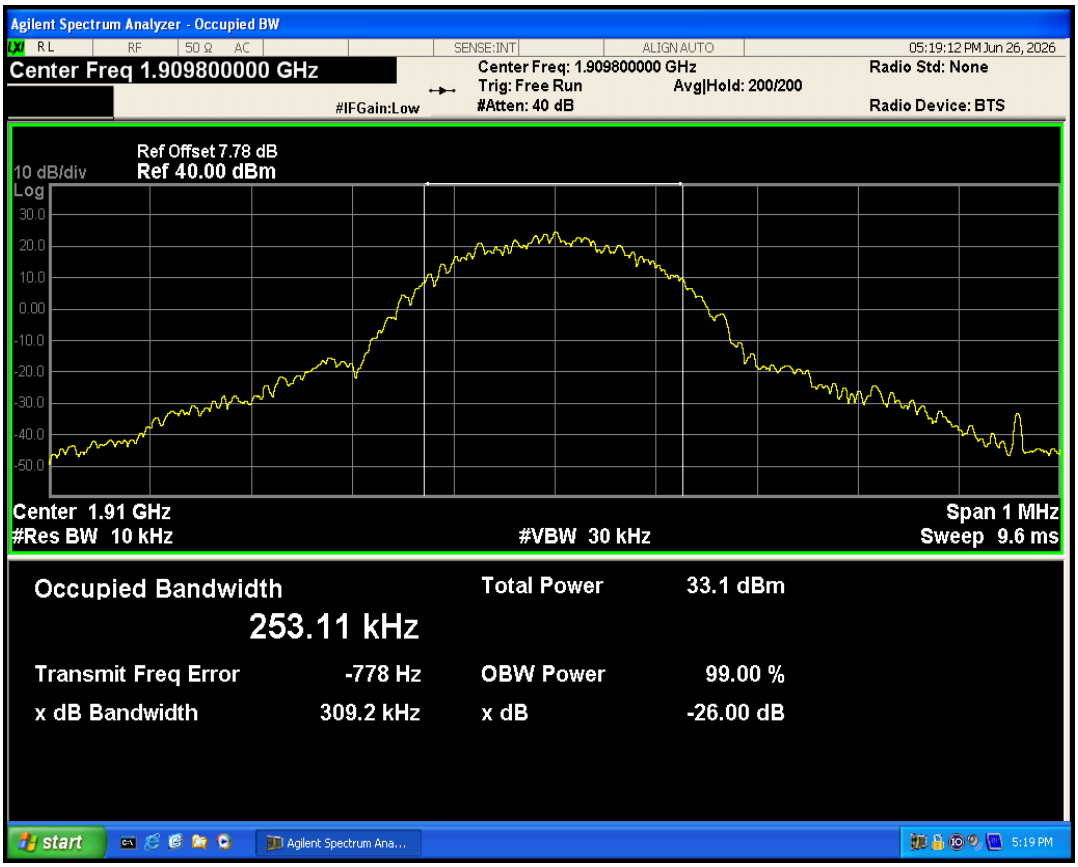
16 Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
EGPRS1900	512	1850.2	259.226	344.380	PASS
EGPRS1900	661	1880	257.273	325.433	PASS
EGPRS1900	810	1909.8	253.110	309.151	PASS
EGPRS850	128	824.2	248.917	303.946	PASS
EGPRS850	189	836.4	253.954	318.968	PASS
EGPRS850	251	848.8	237.489	292.361	PASS

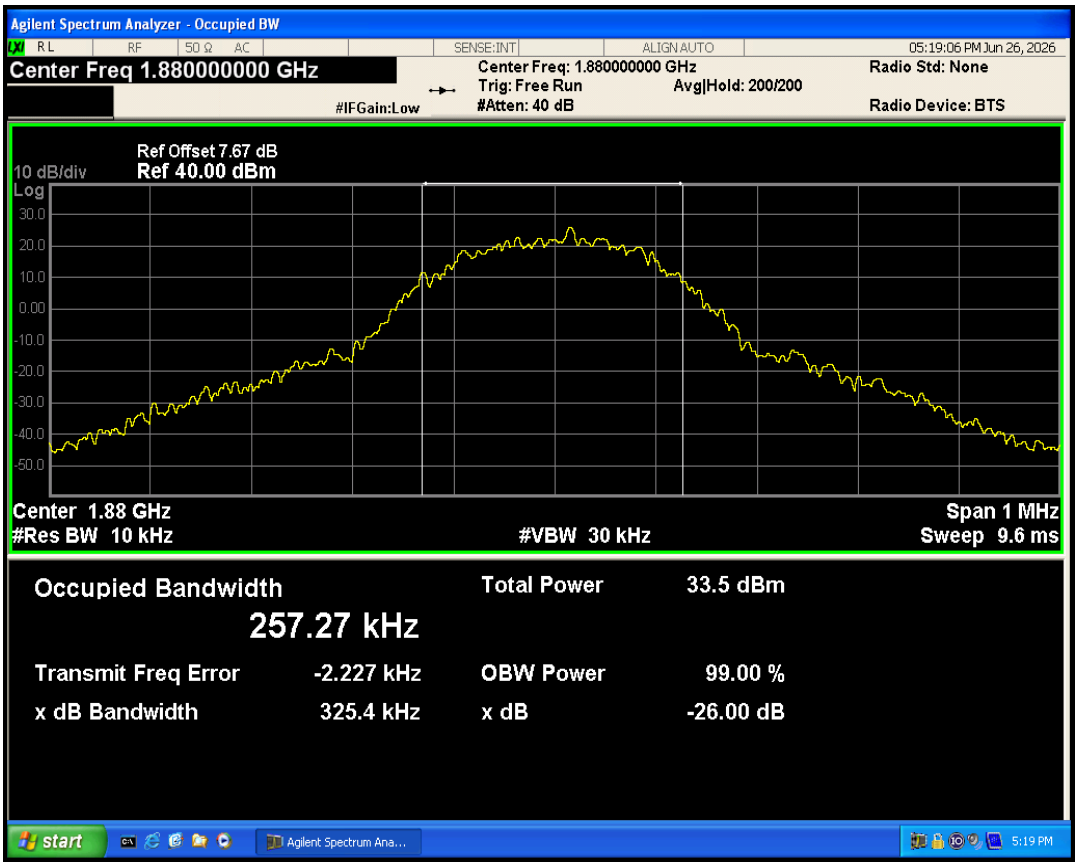
EGPRS1900 Channel=512



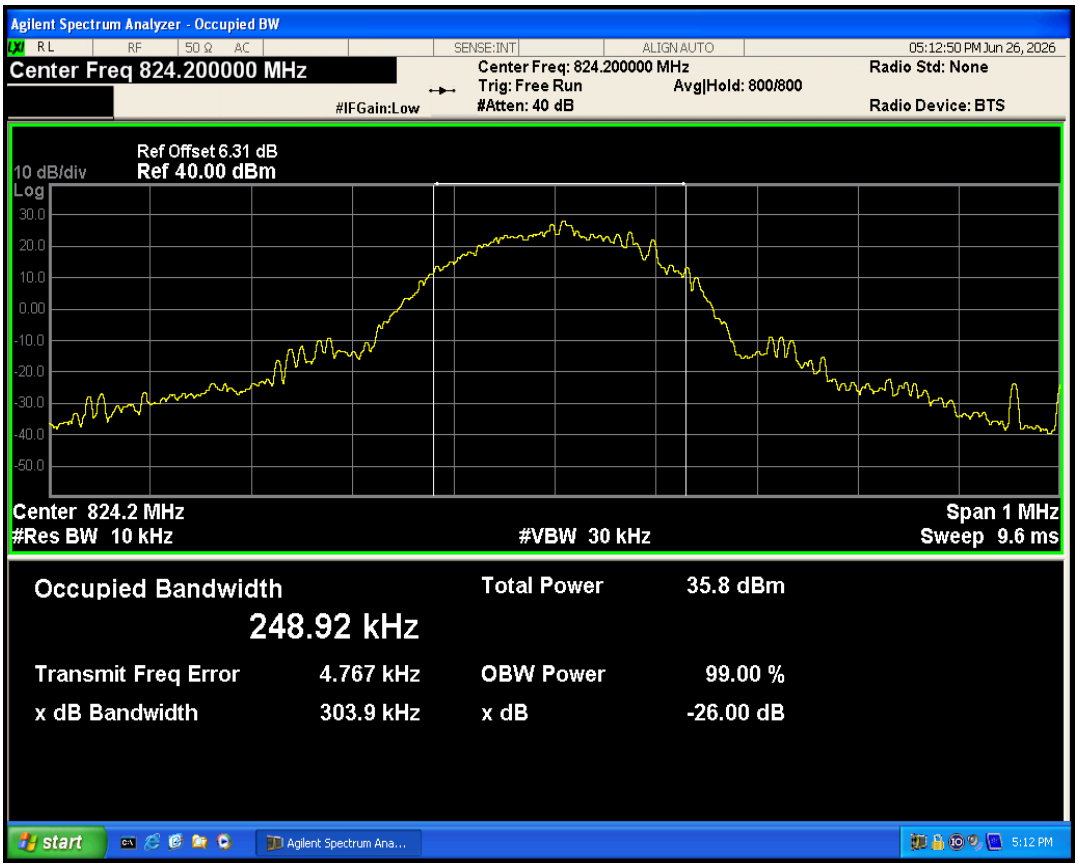
EGPRS1900 Channel=810



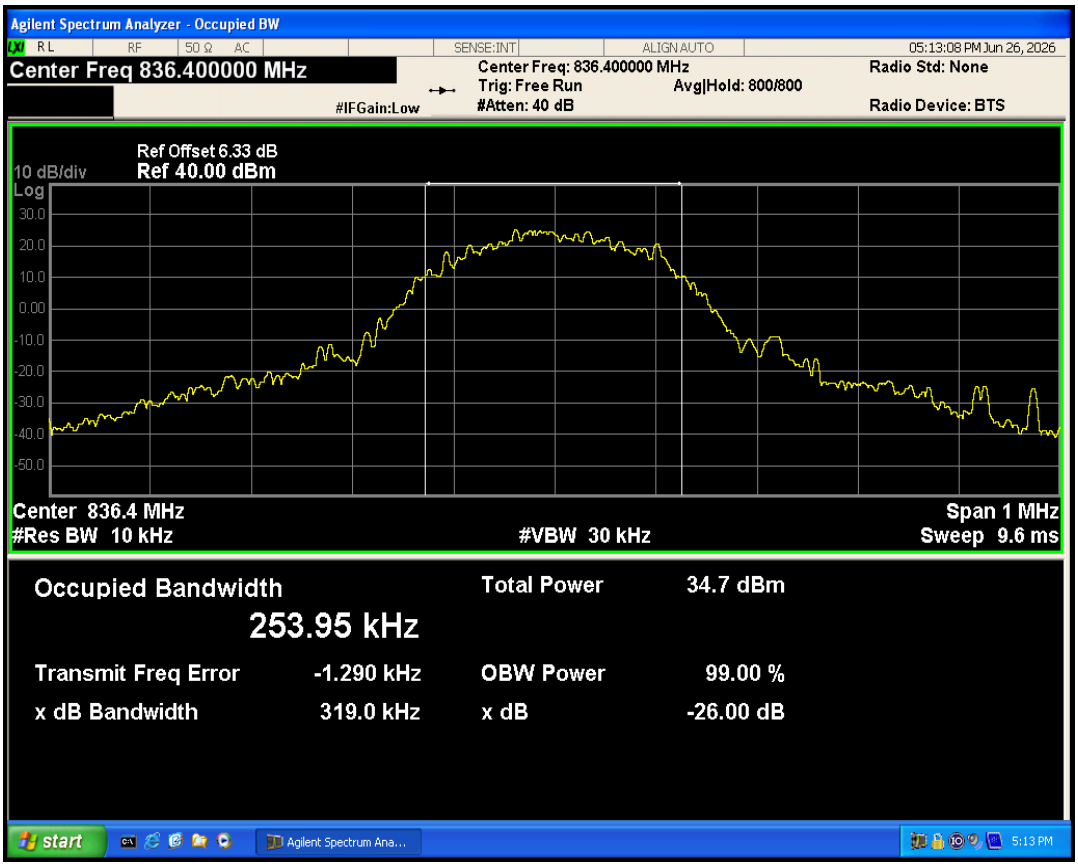
EGPRS1900 Channel=661



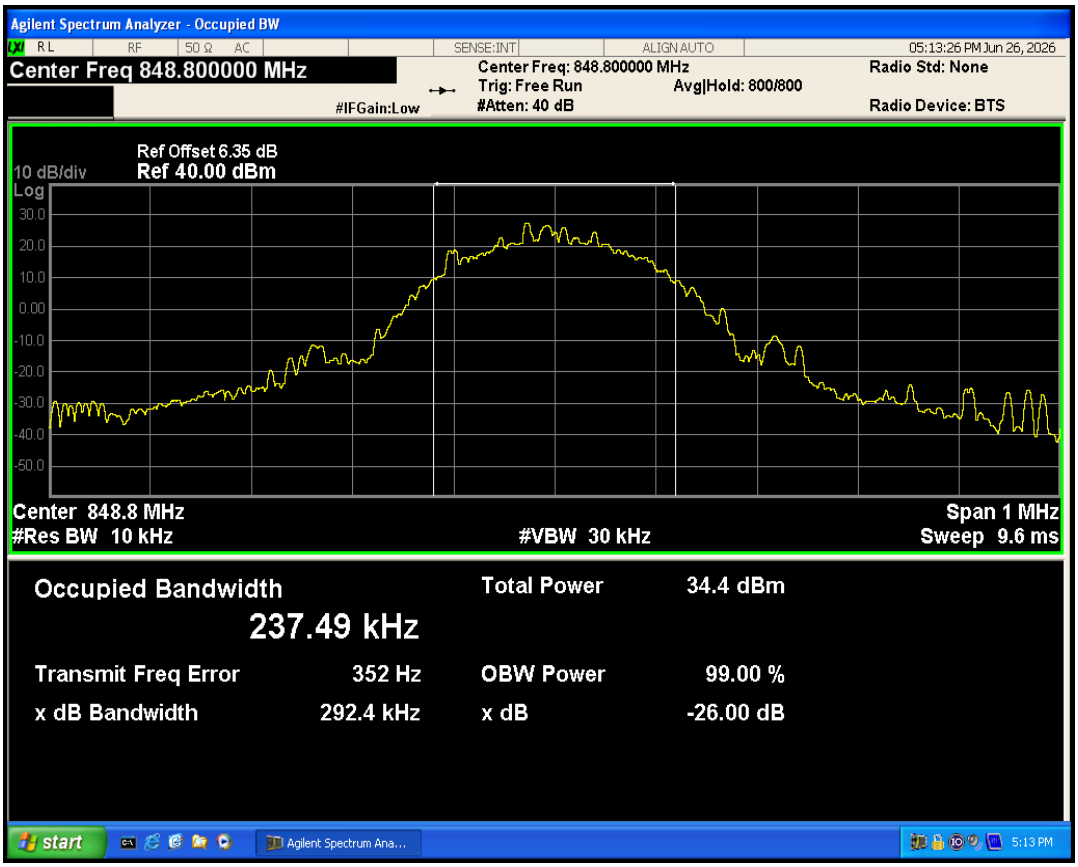
EGPRS850 Channel=128



EGPRS850 Channel=189



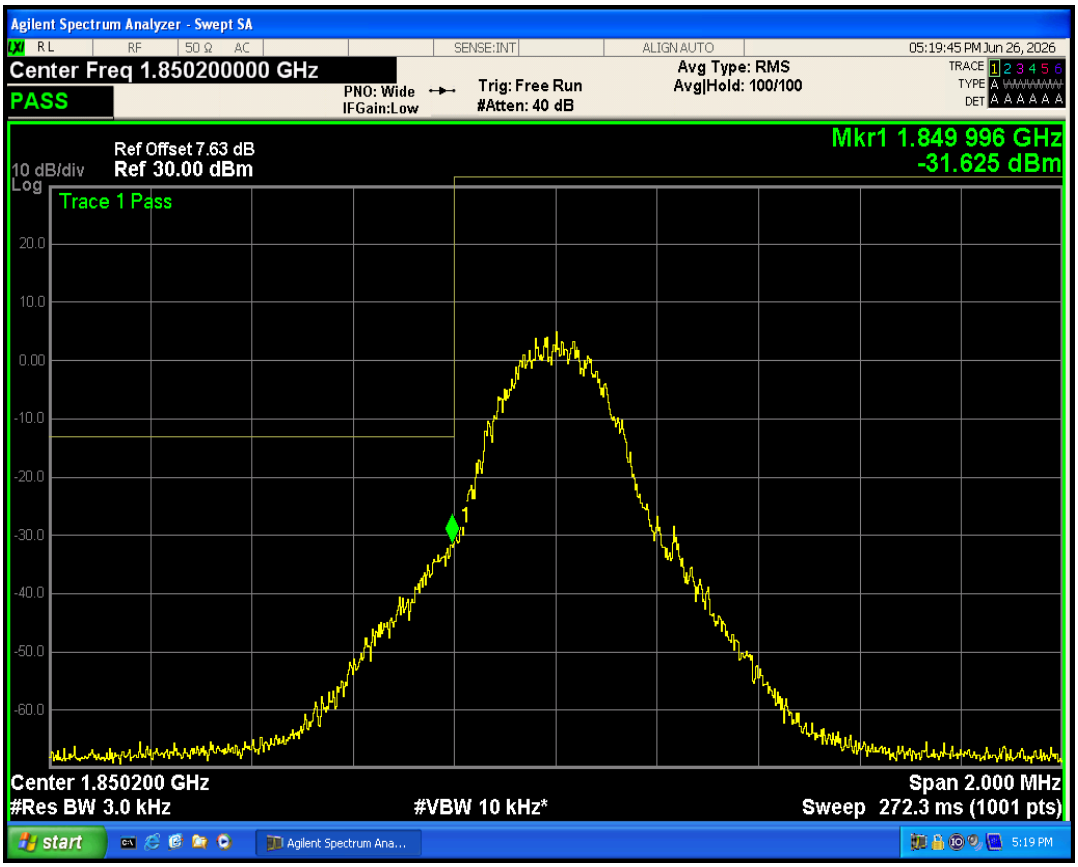
EGPRS850 Channel=251



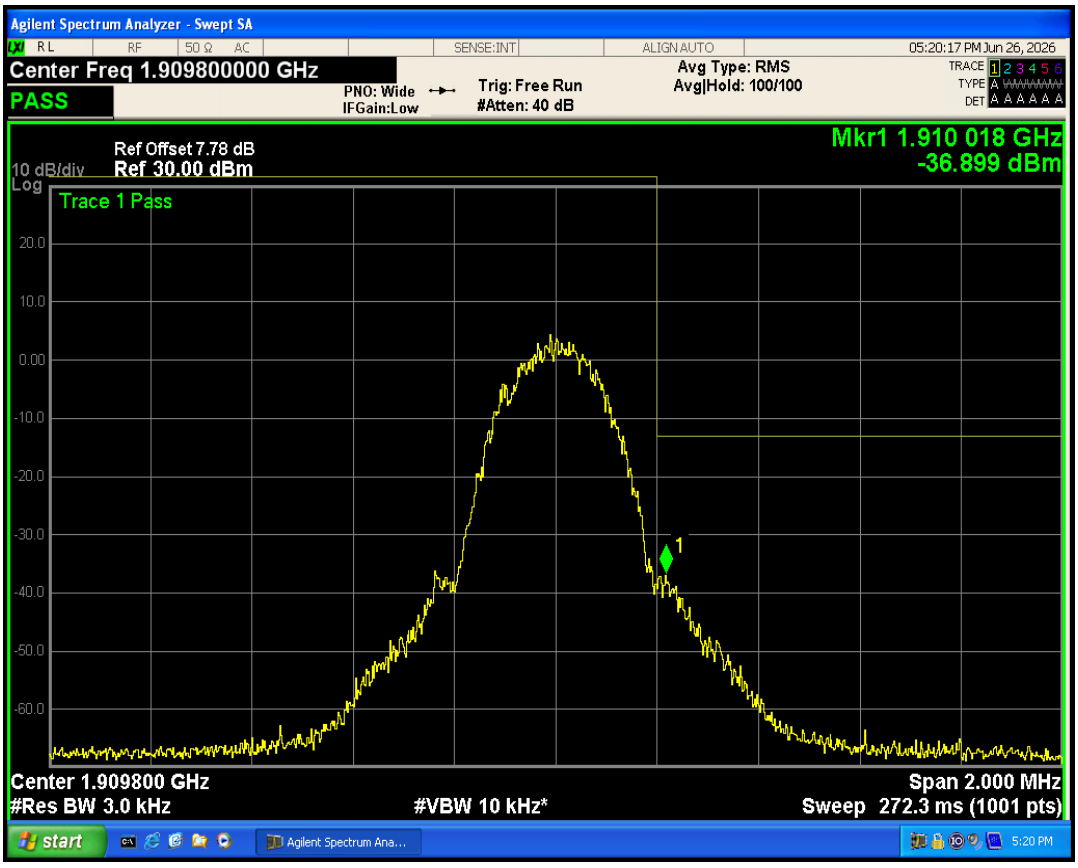
17 Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
EGPRS1900	512	1850.2	1850.00	-31.62	-13	PASS
EGPRS1900	810	1909.8	1910.02	-36.89	-13	PASS
EGPRS850	128	824.2	823.99	-34.71	-13	PASS
EGPRS850	251	848.8	849.02	-34.53	-13	PASS

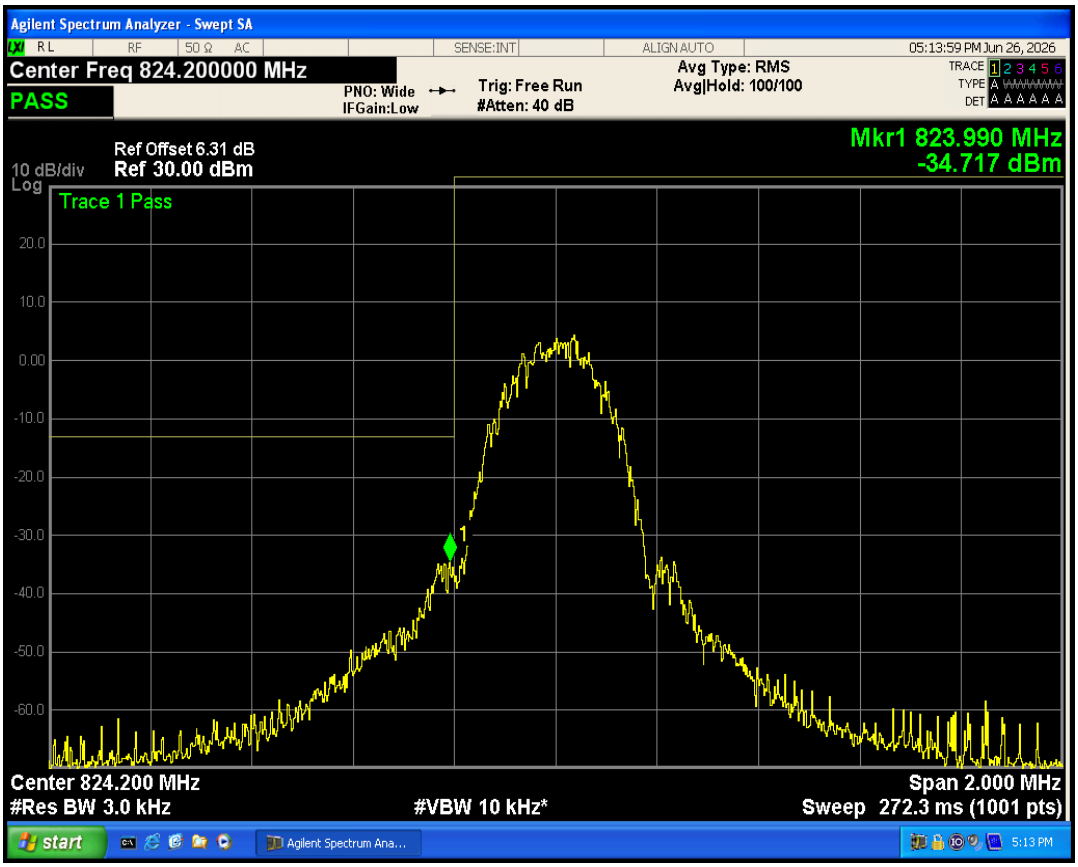
EGPRS1900 Channel=512



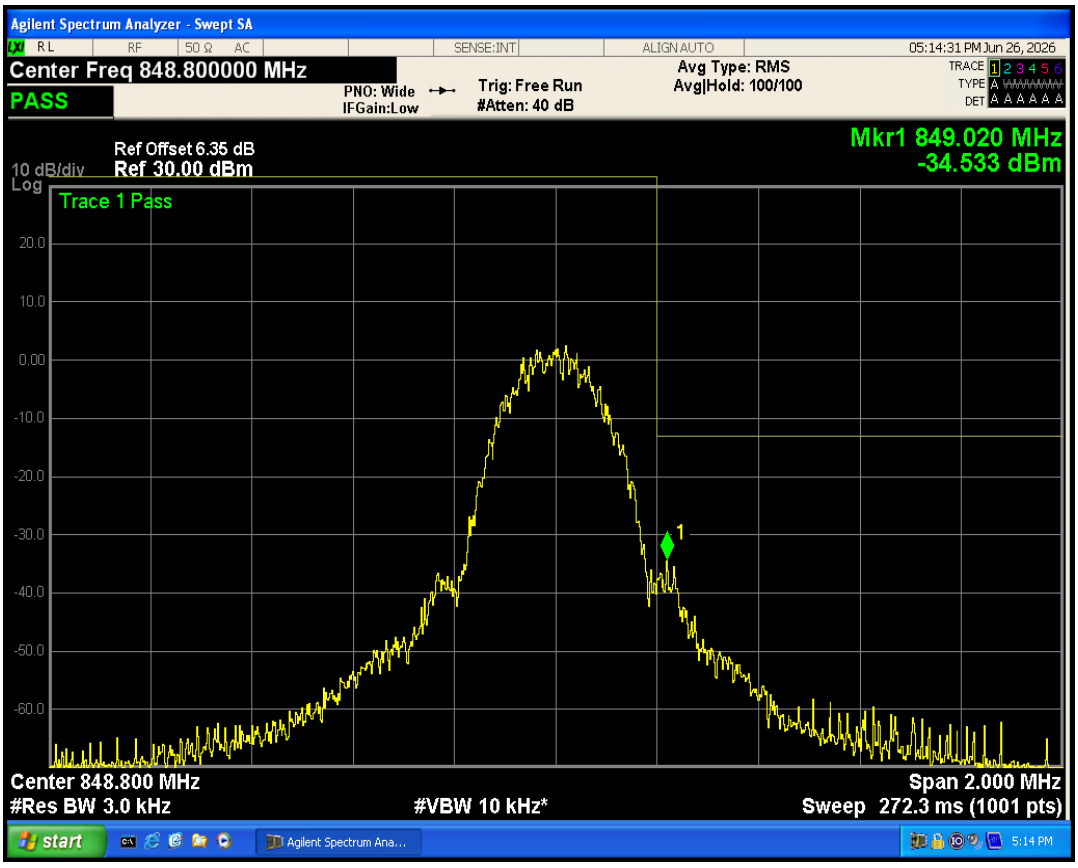
EGPRS1900 Channel=810



EGPRS850 Channel=128



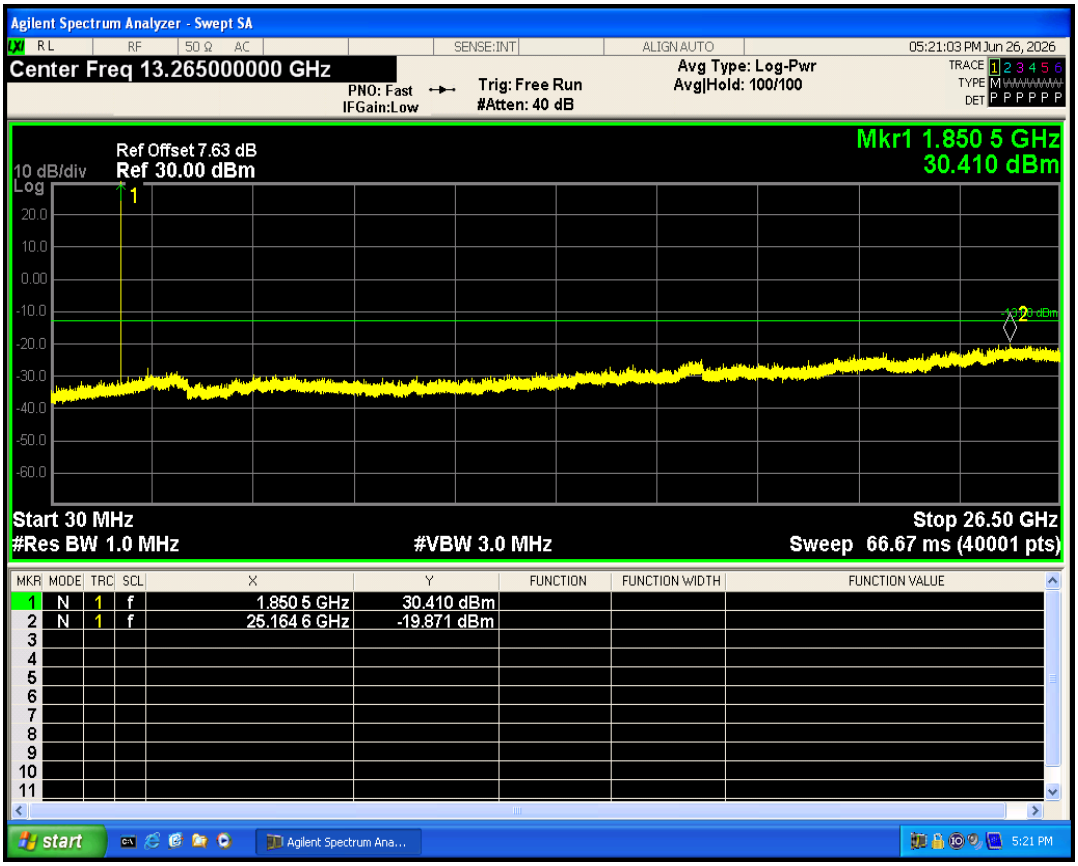
EGPRS850 Channel=251



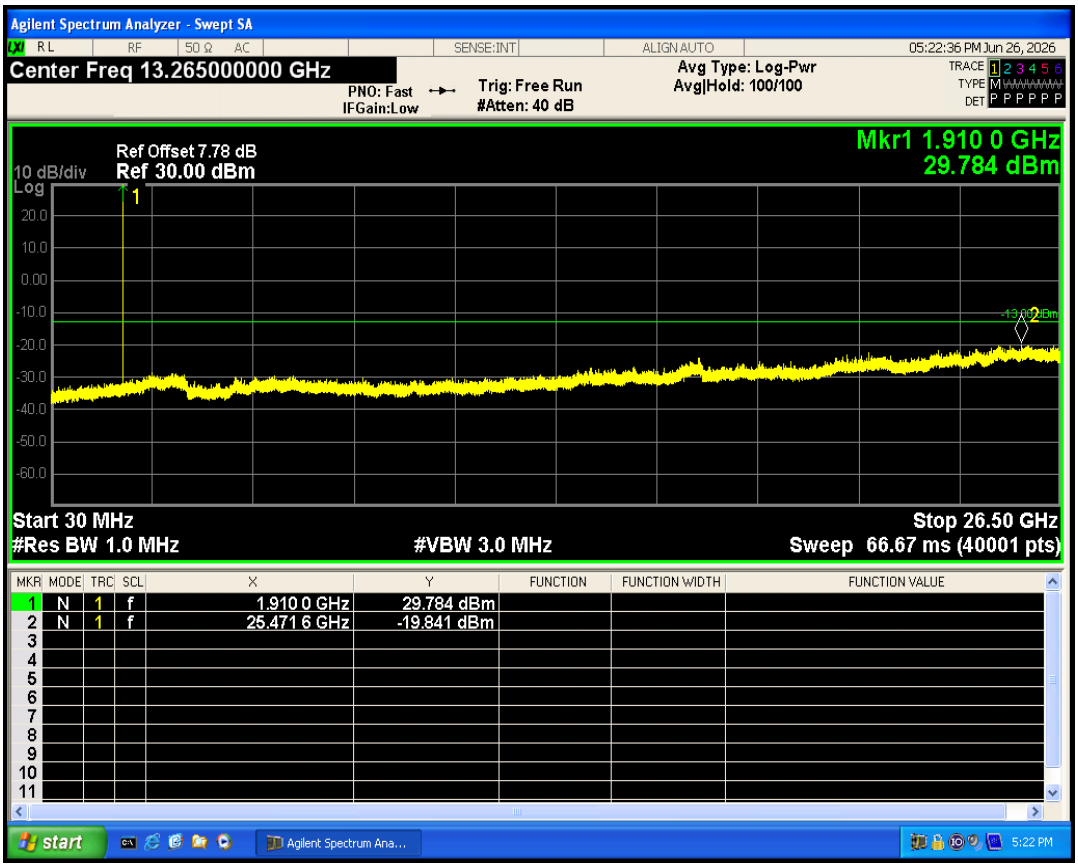
18 Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
EGPRS1900	512	1850.2	25164.59	-19.87	-13	PASS
EGPRS1900	661	1880	25674.14	-20.15	-13	PASS
EGPRS1900	810	1909.8	25471.64	-19.84	-13	PASS
EGPRS850	128	824.2	24921.06	-20.91	-13	PASS
EGPRS850	189	836.4	25527.23	-21.68	-13	PASS
EGPRS850	251	848.8	25167.24	-21.04	-13	PASS

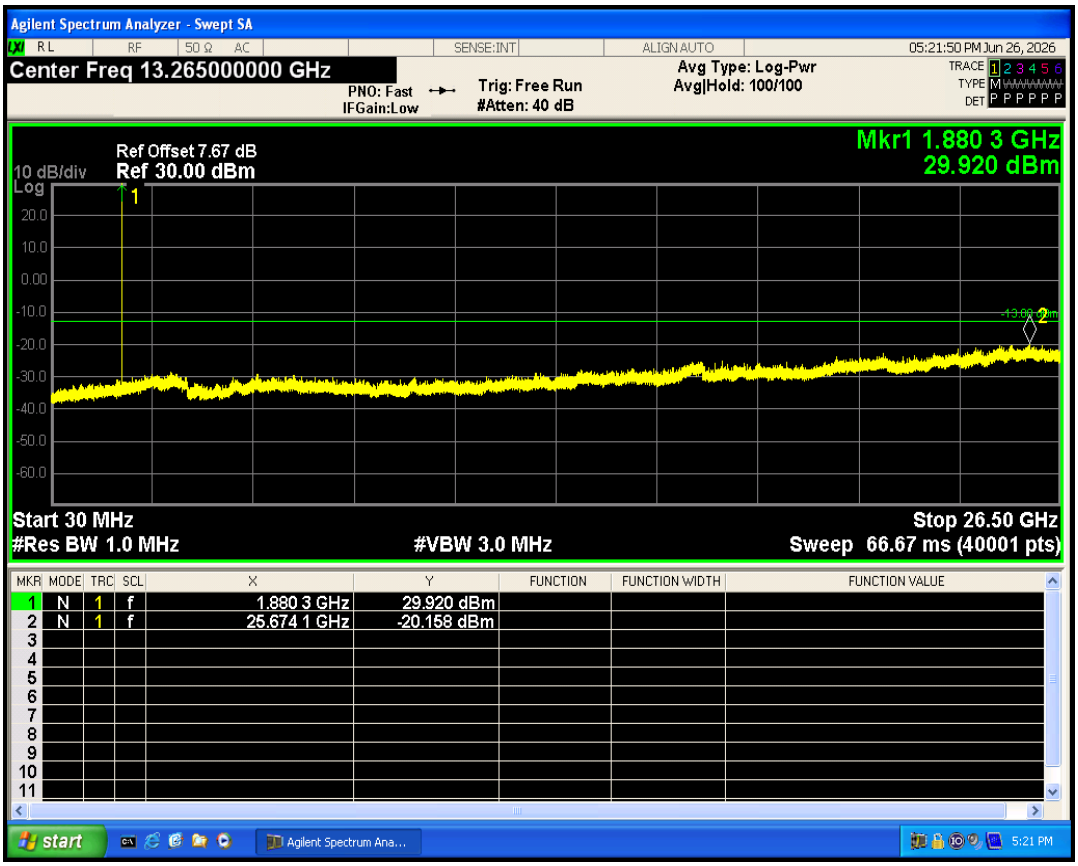
EGPRS1900 Channel=512



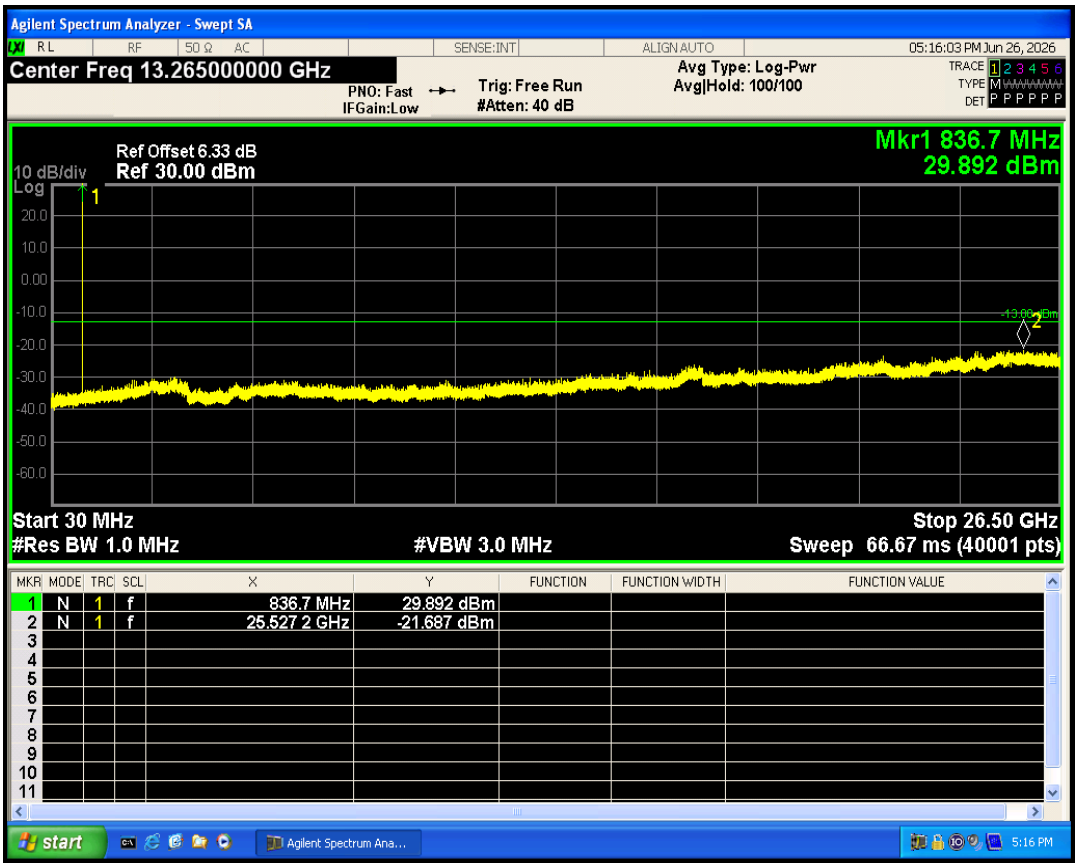
EGPRS1900 Channel=810



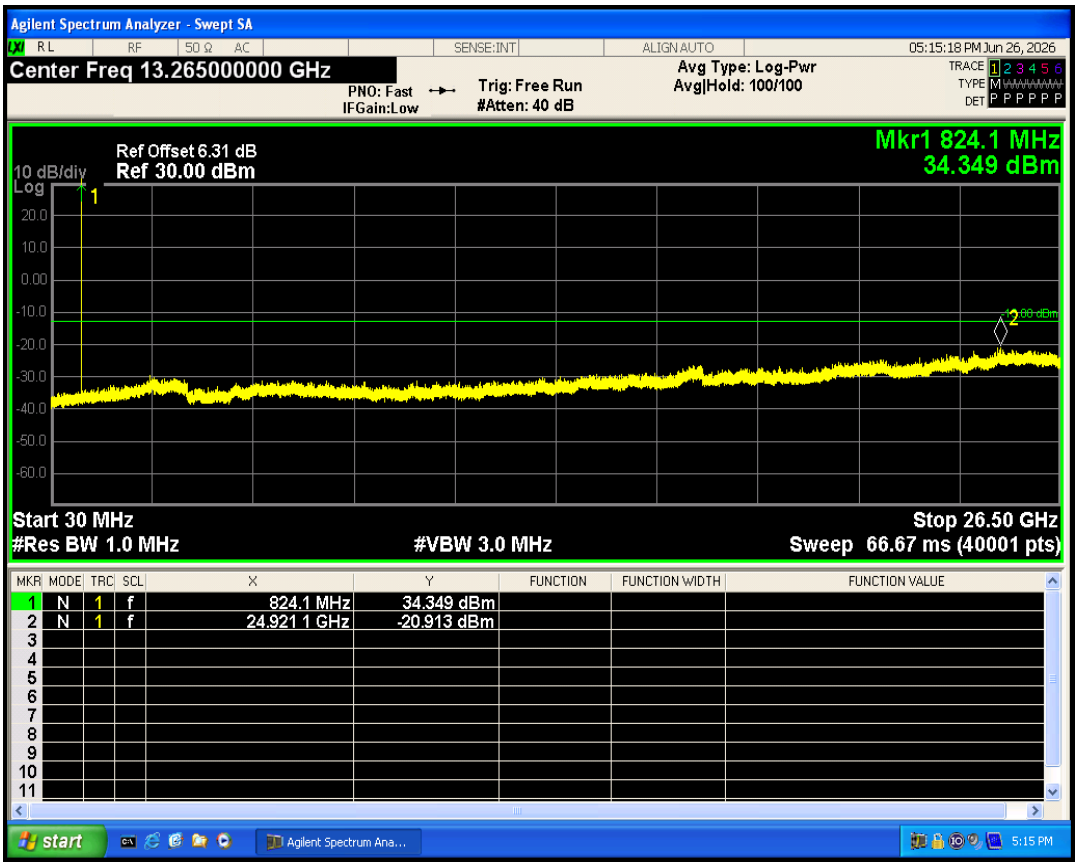
EGPRS1900 Channel=661



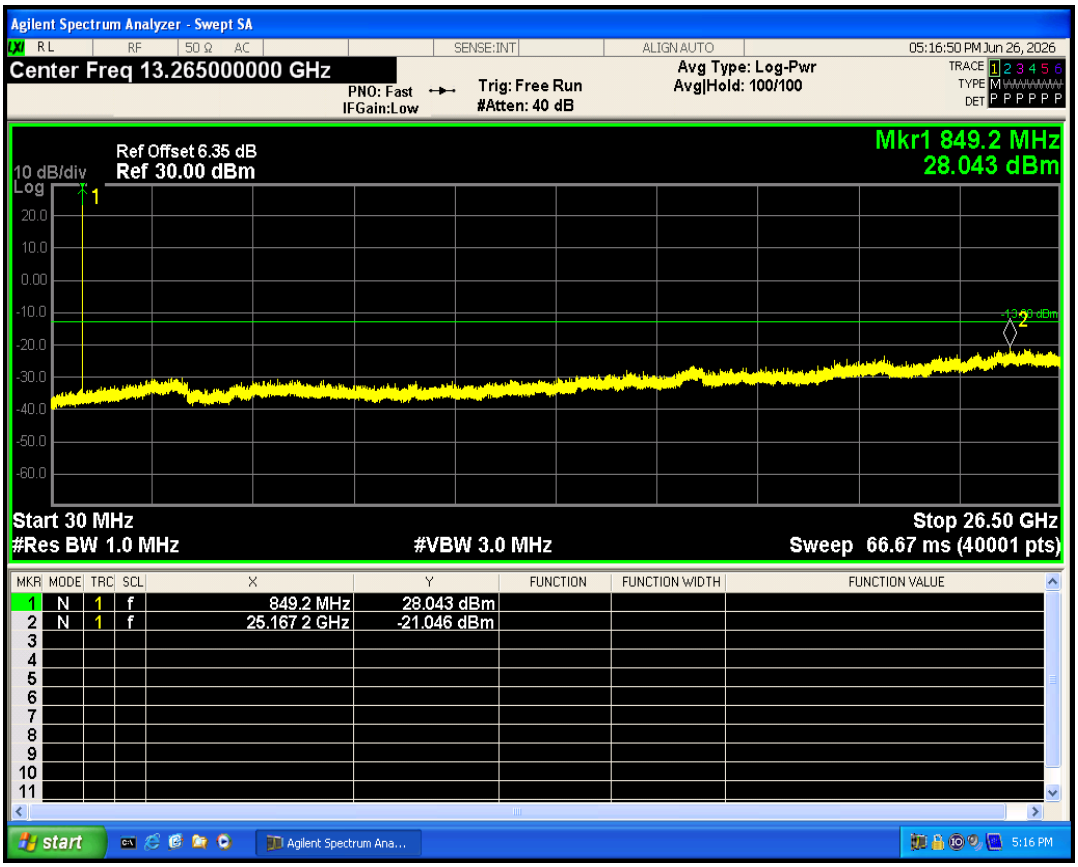
EGPRS850 Channel=189



EGPRS850 Channel=128



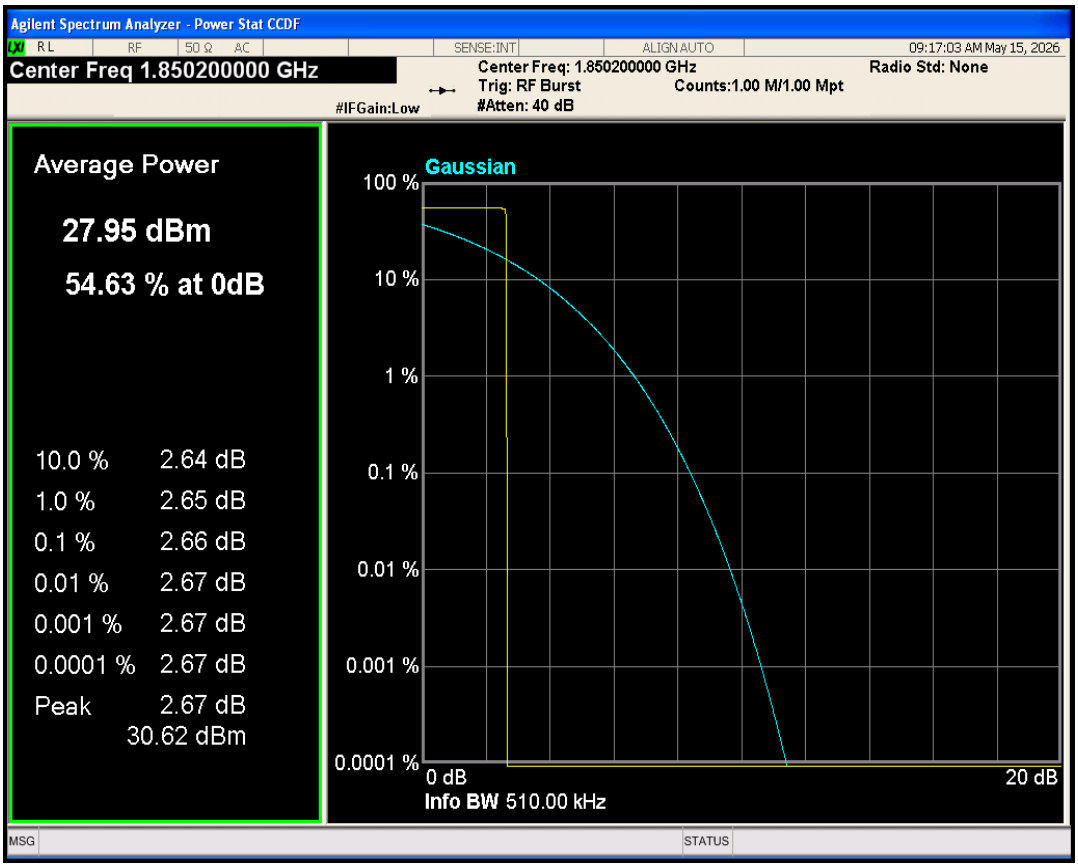
EGPRS850 Channel=251



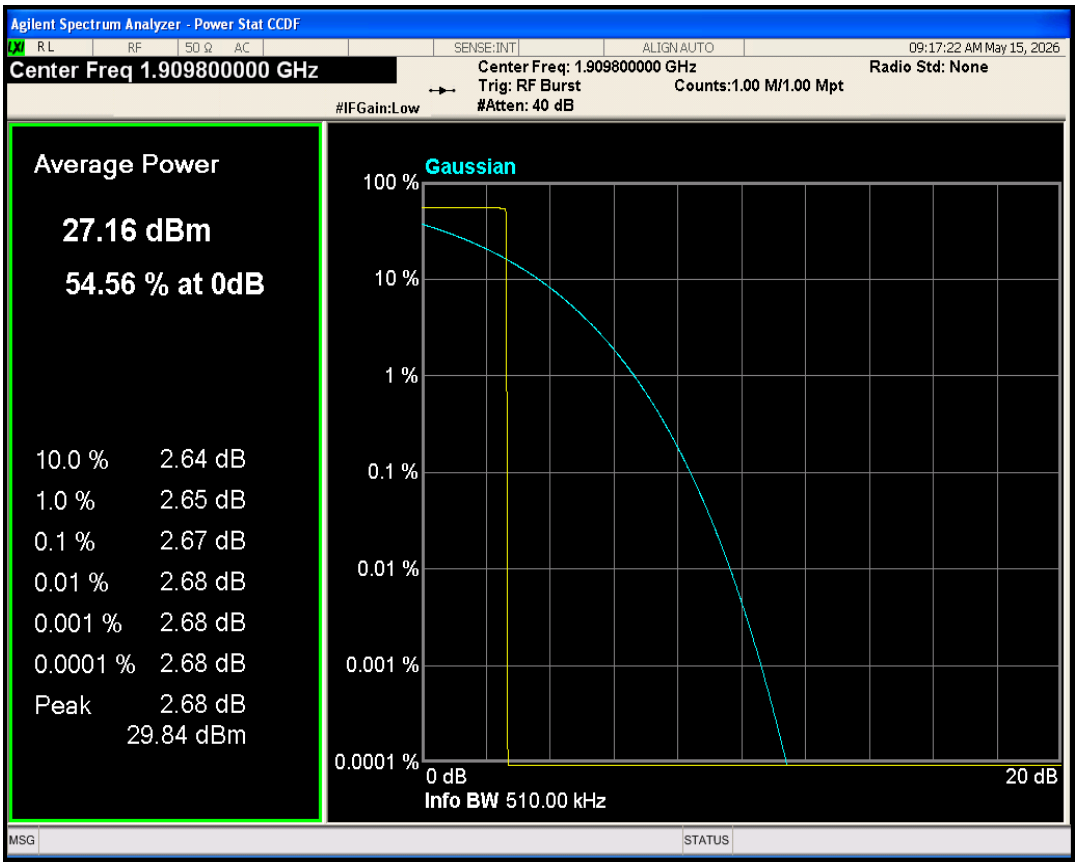
09 Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GPRS1900	512	1850.2	2.66	13	PASS
GPRS1900	661	1880	2.66	13	PASS
GPRS1900	810	1909.8	2.67	13	PASS
GPRS850	128	824.2	2.67	13	PASS
GPRS850	189	836.4	2.67	13	PASS
GPRS850	251	848.8	2.66	13	PASS

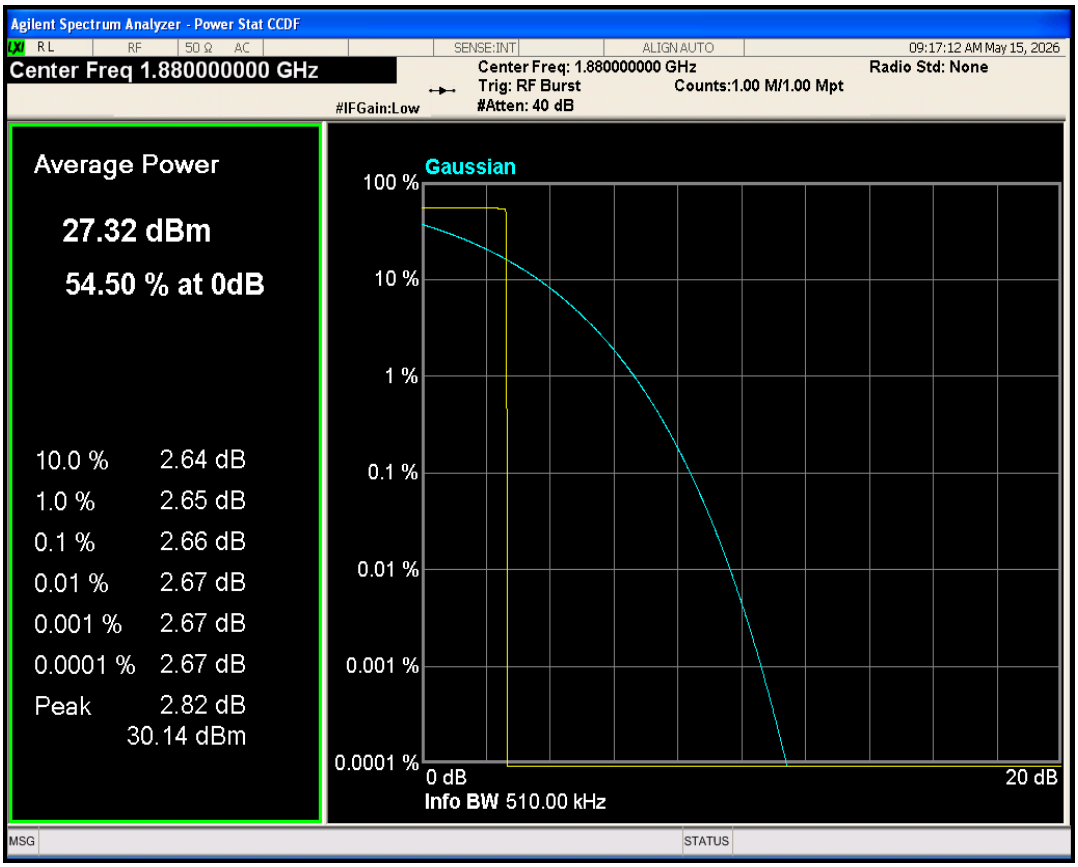
GPRS1900 Channel=512



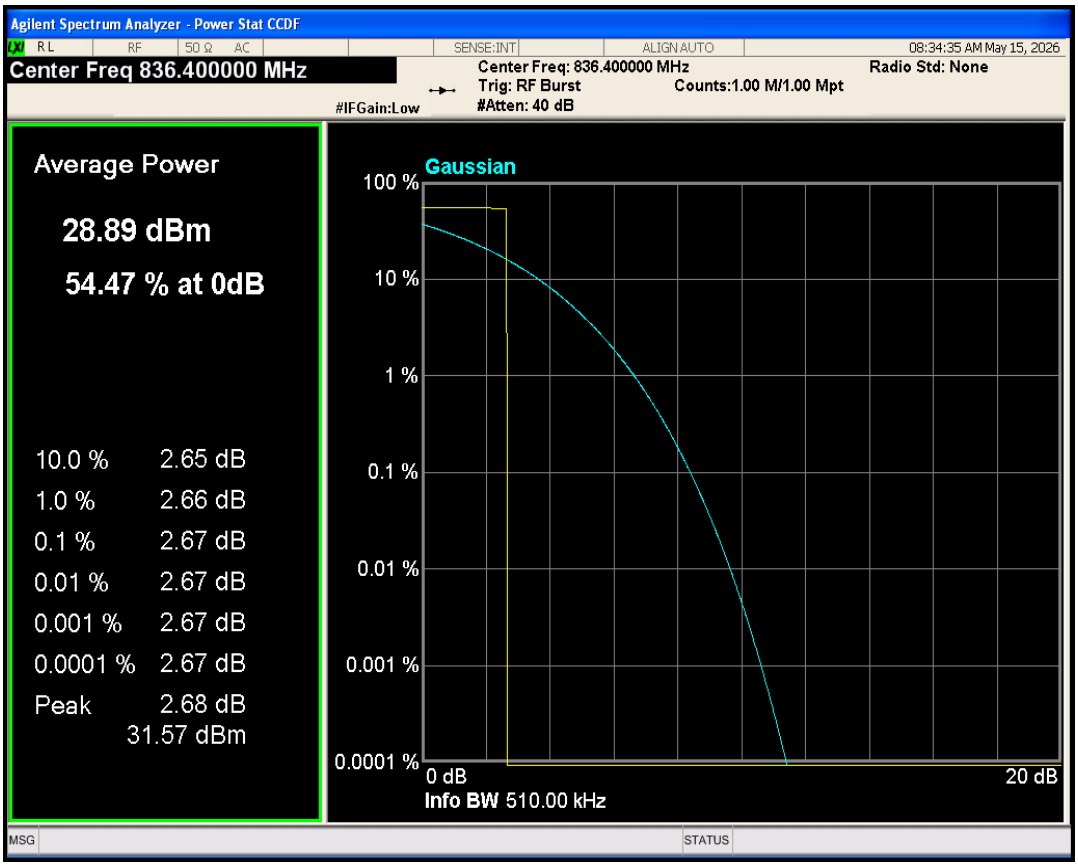
GPRS1900 Channel=810



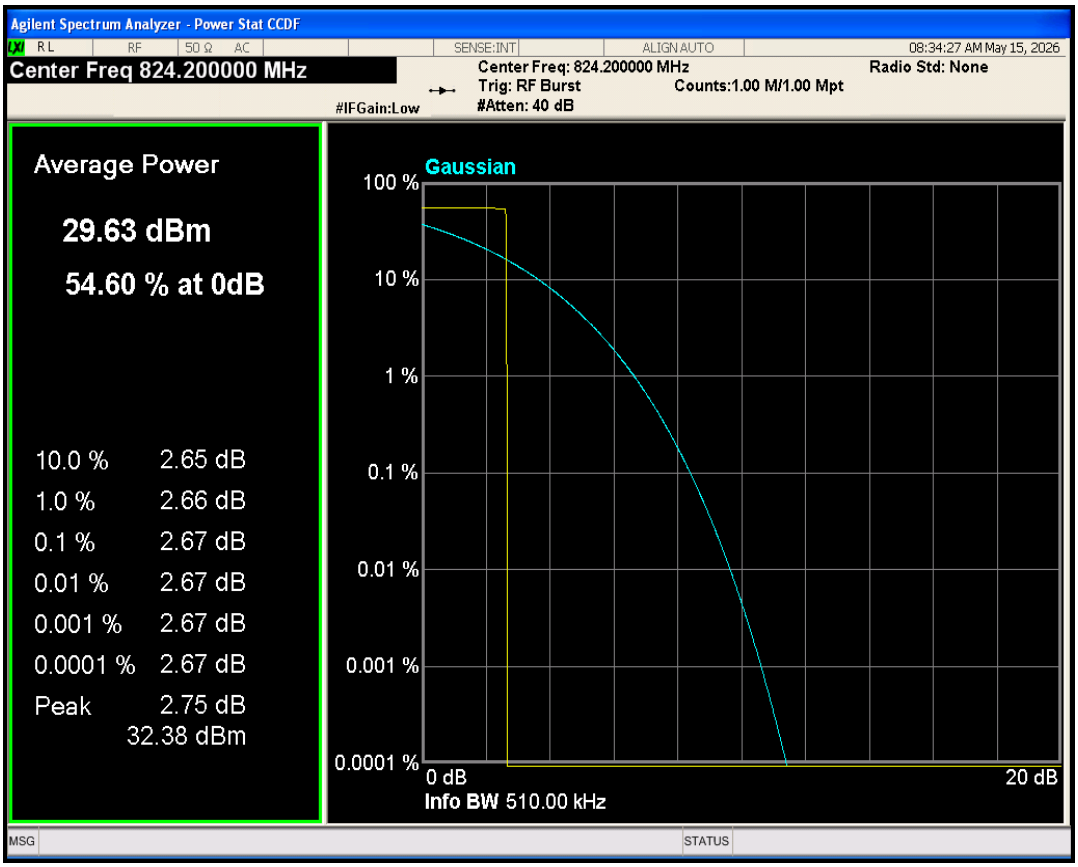
GPRS1900 Channel=661



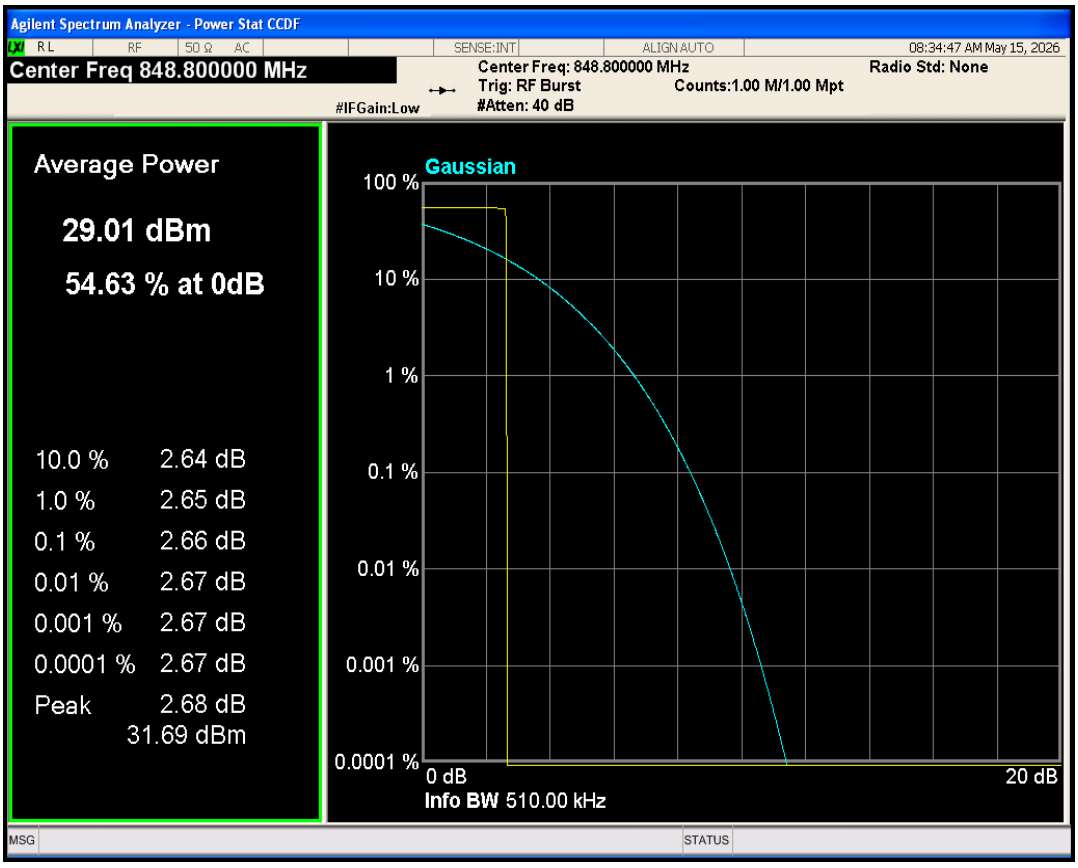
GPRS850 Channel=189



GPRS850 Channel=128



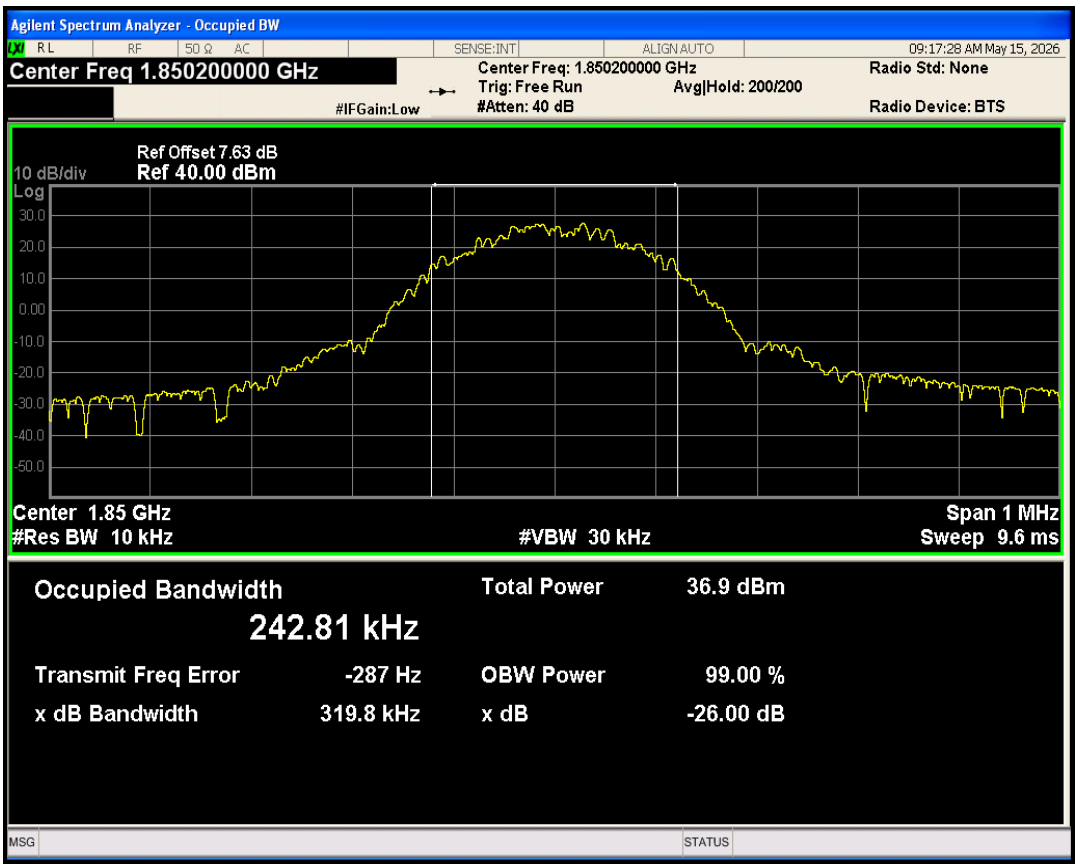
GPRS850 Channel=251



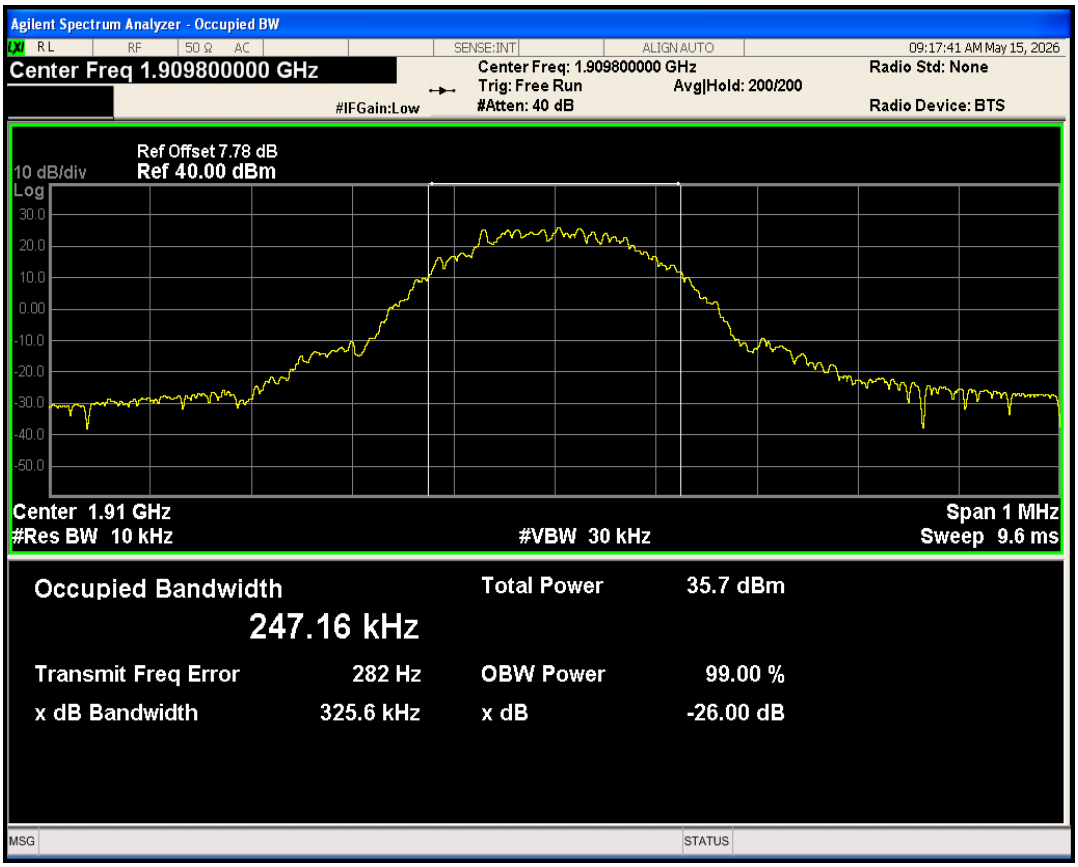
10 Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GPRS1900	512	1850.2	242.807	319.784	PASS
GPRS1900	661	1880	247.617	316.343	PASS
GPRS1900	810	1909.8	247.162	325.581	PASS
GPRS850	128	824.2	247.022	315.744	PASS
GPRS850	189	836.4	241.896	317.605	PASS
GPRS850	251	848.8	248.441	313.082	PASS

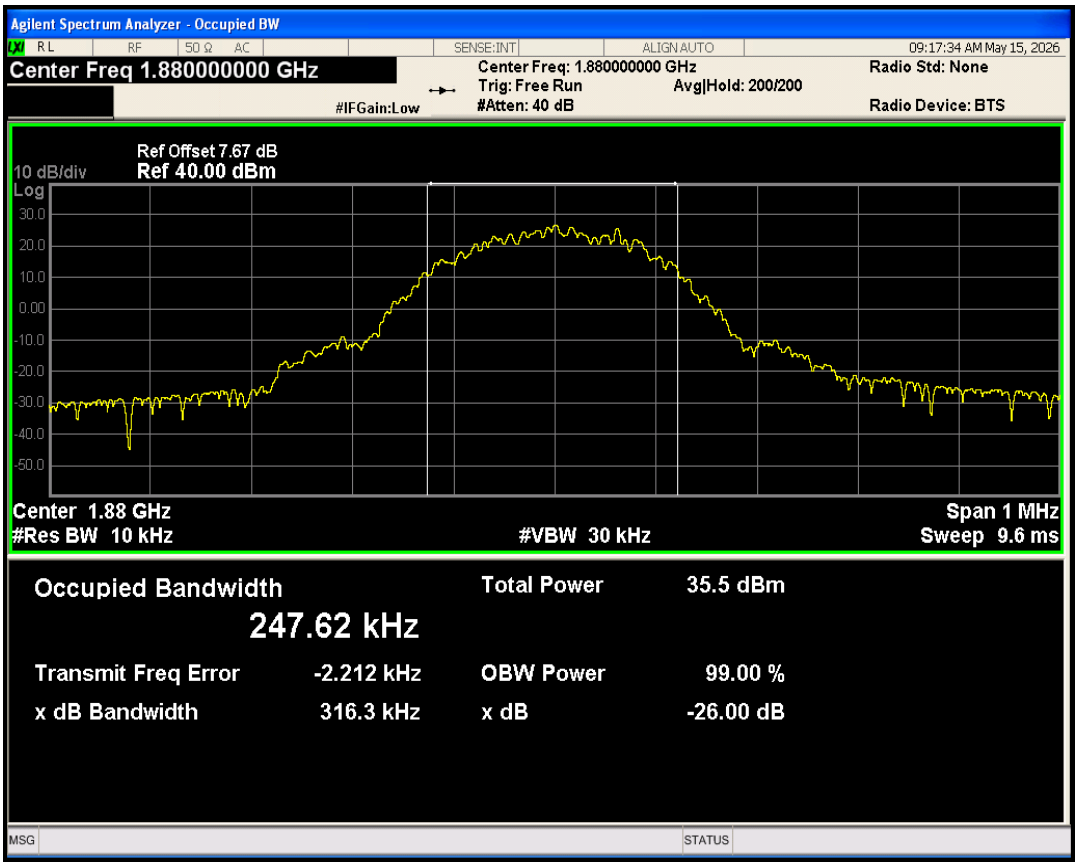
GPRS1900 Channel=512



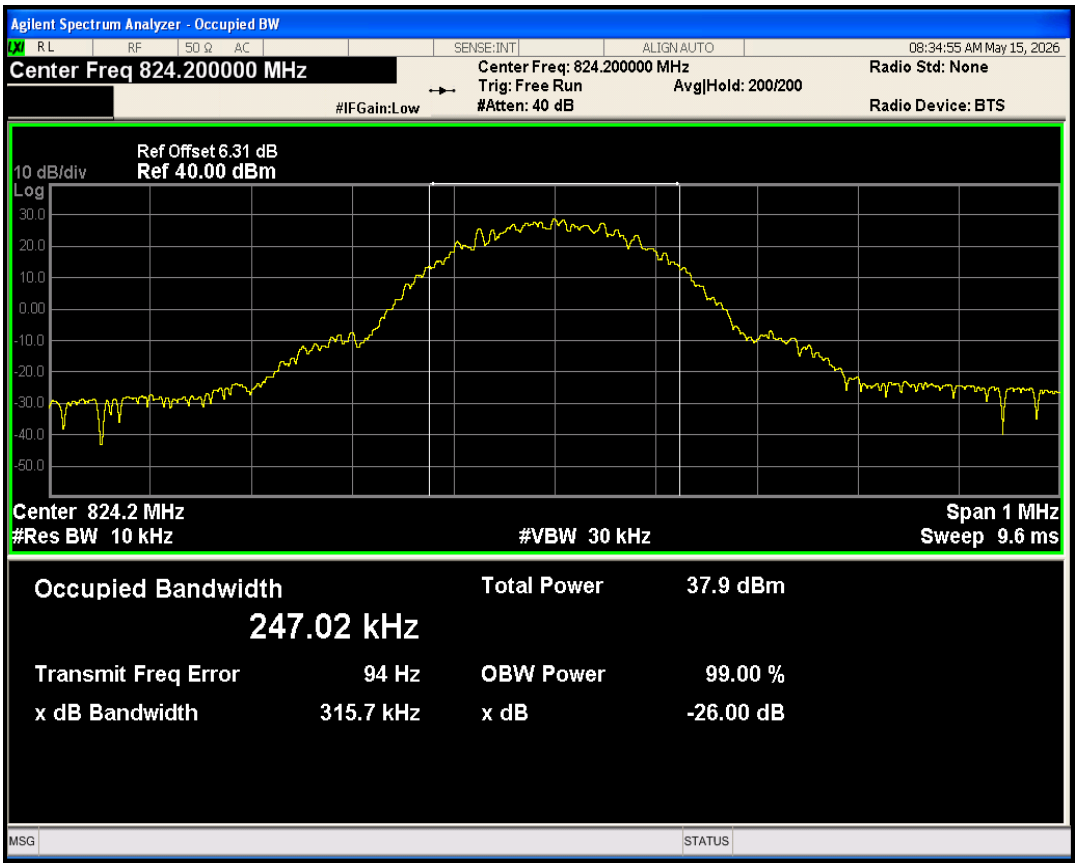
GPRS1900 Channel=810



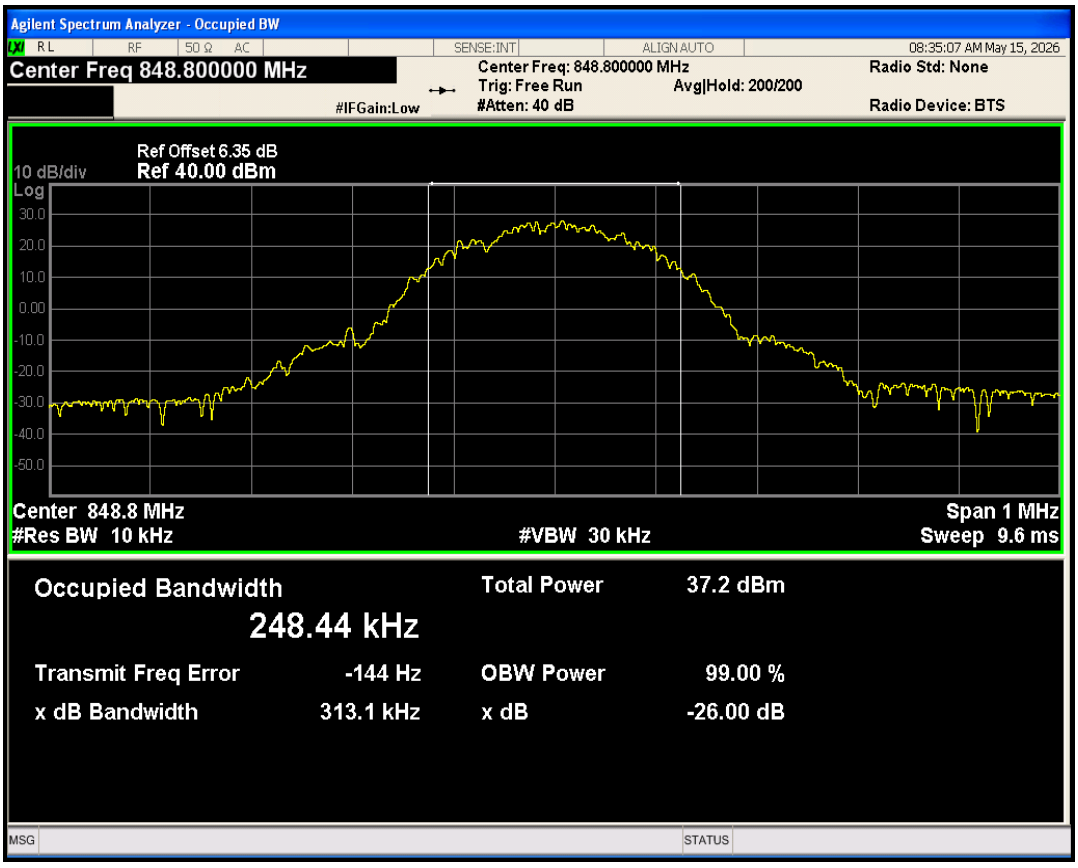
GPRS1900 Channel=661



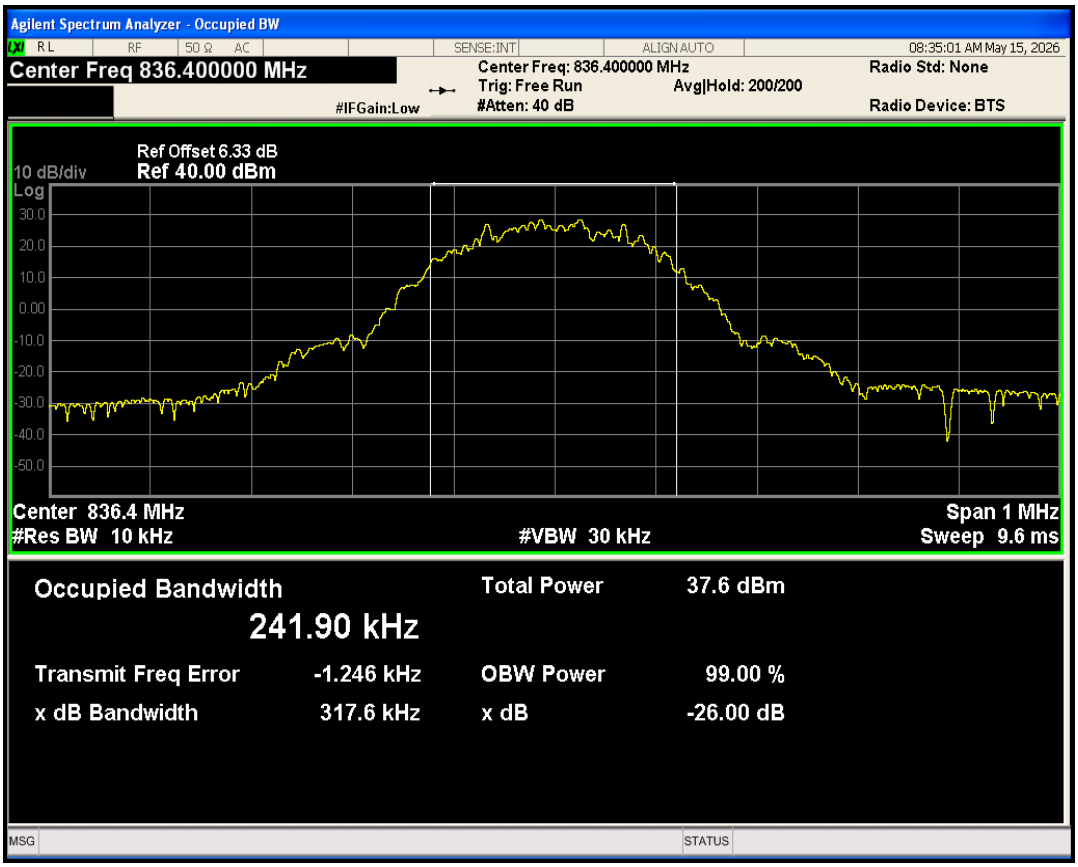
GPRS850 Channel=128



GPRS850 Channel=251



GPRS850 Channel=189

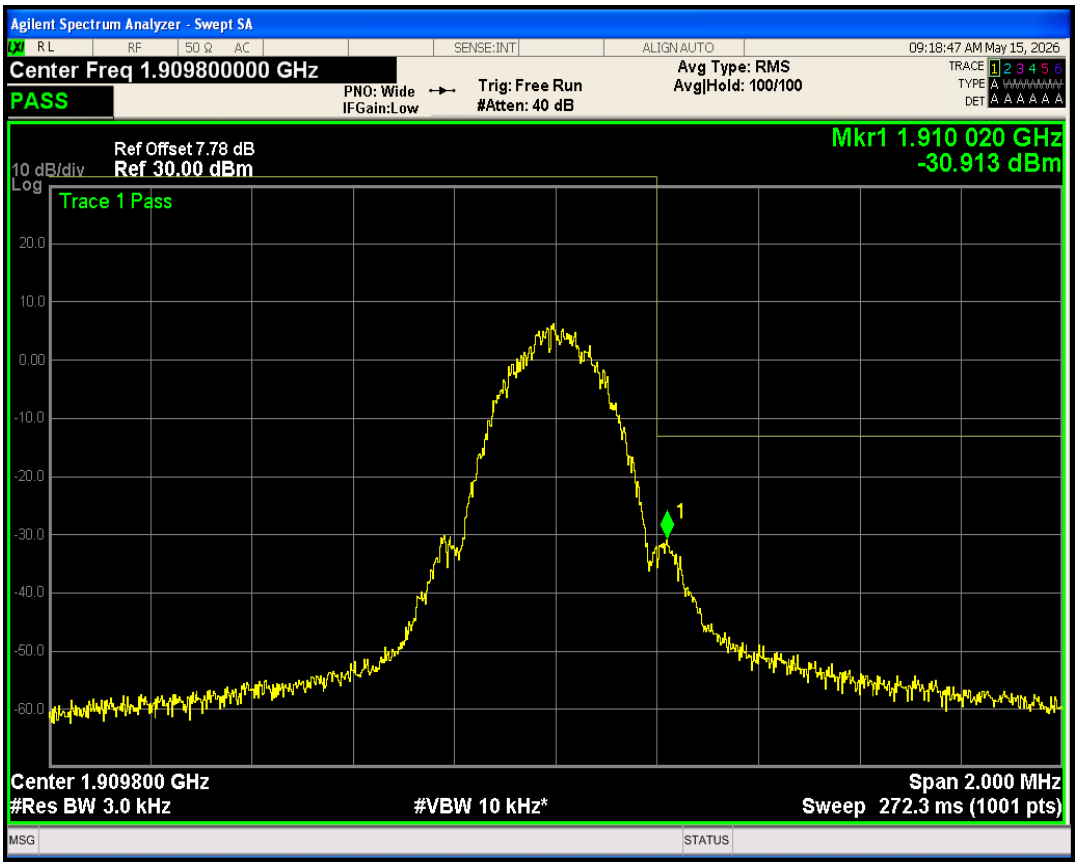


11 Band edge

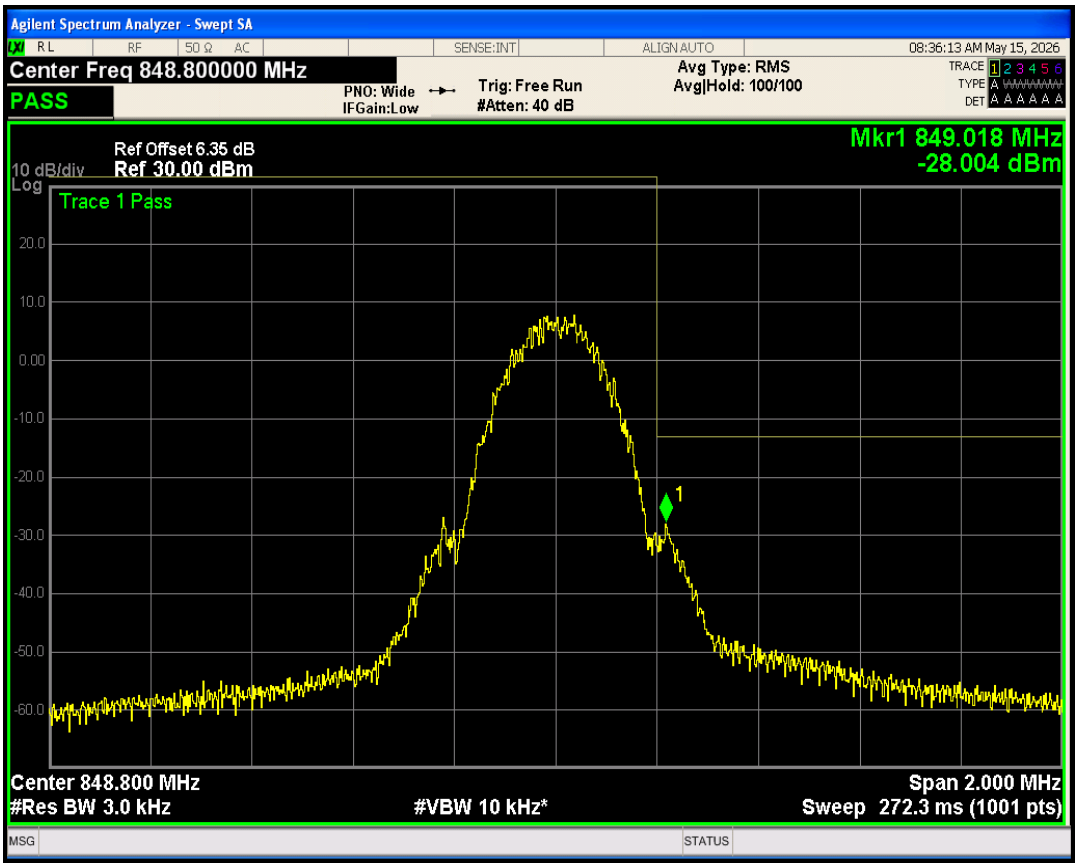
Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS1900	512	1850.2	1850.00	-29.63	-13	PASS
GPRS1900	810	1909.8	1910.02	-30.91	-13	PASS
GPRS850	128	824.2	823.98	-27.48	-13	PASS
GPRS850	251	848.8	849.02	-28.00	-13	PASS

GPRS1900 Channel=512

GPRS1900 Channel=810



GPRS850 Channel=251

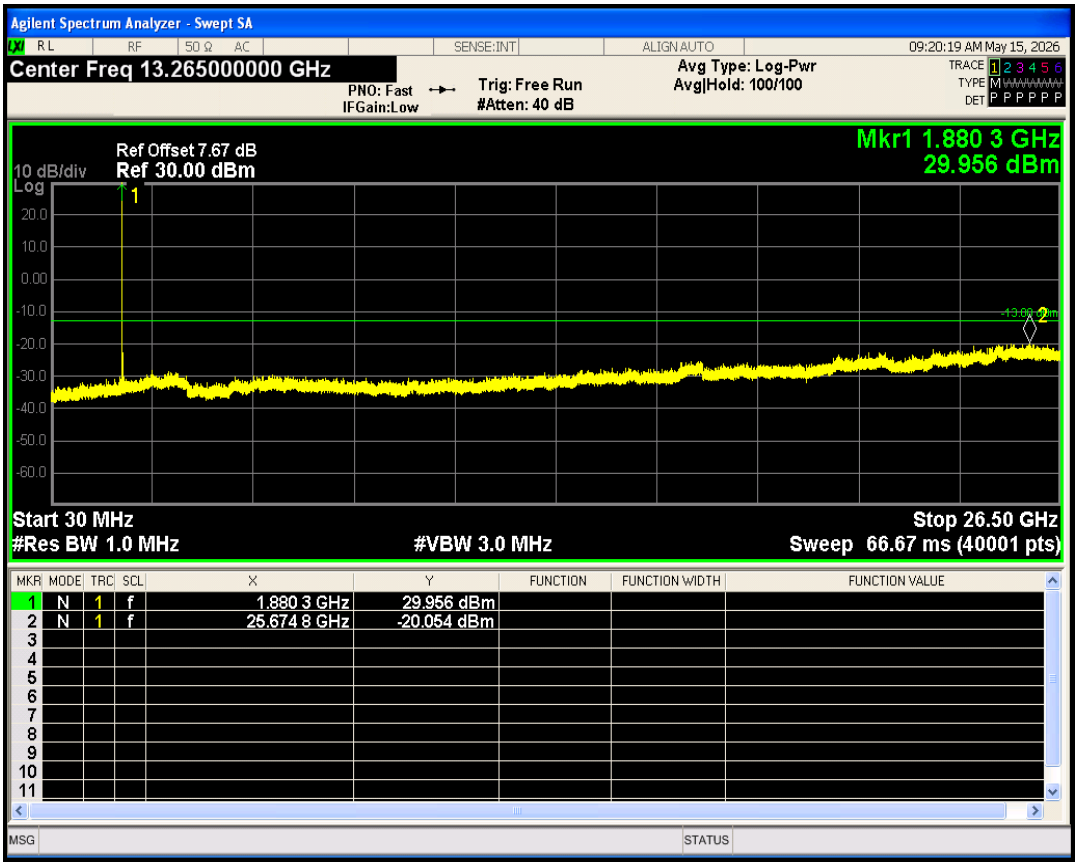


GPRS850 Channel=128

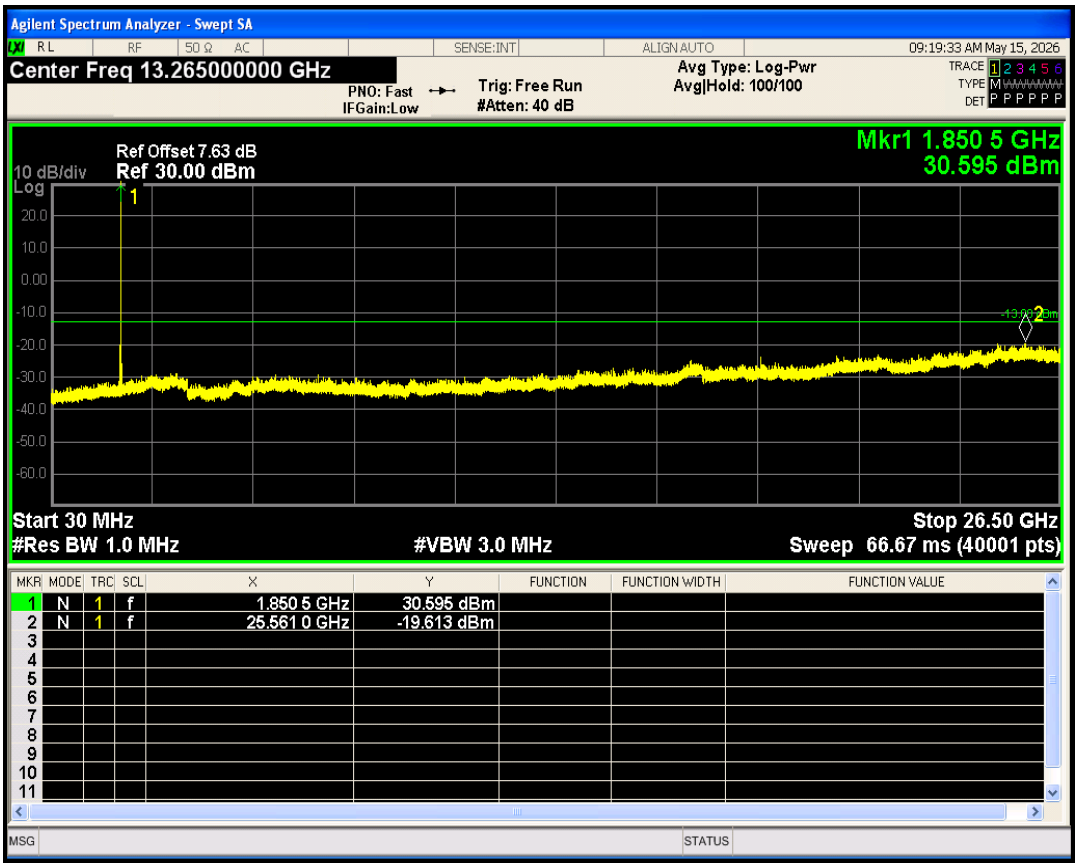
12 Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS1900	512	1850.2	25560.98	-19.61	-13	PASS
GPRS1900	661	1880	25674.80	-20.05	-13	PASS
GPRS1900	810	1909.8	25796.56	-19.44	-13	PASS
GPRS850	128	824.2	26375.59	-21.11	-13	PASS
GPRS850	189	836.4	855.20	-18.84	-13	PASS
GPRS850	251	848.8	24866.80	-21.85	-13	PASS

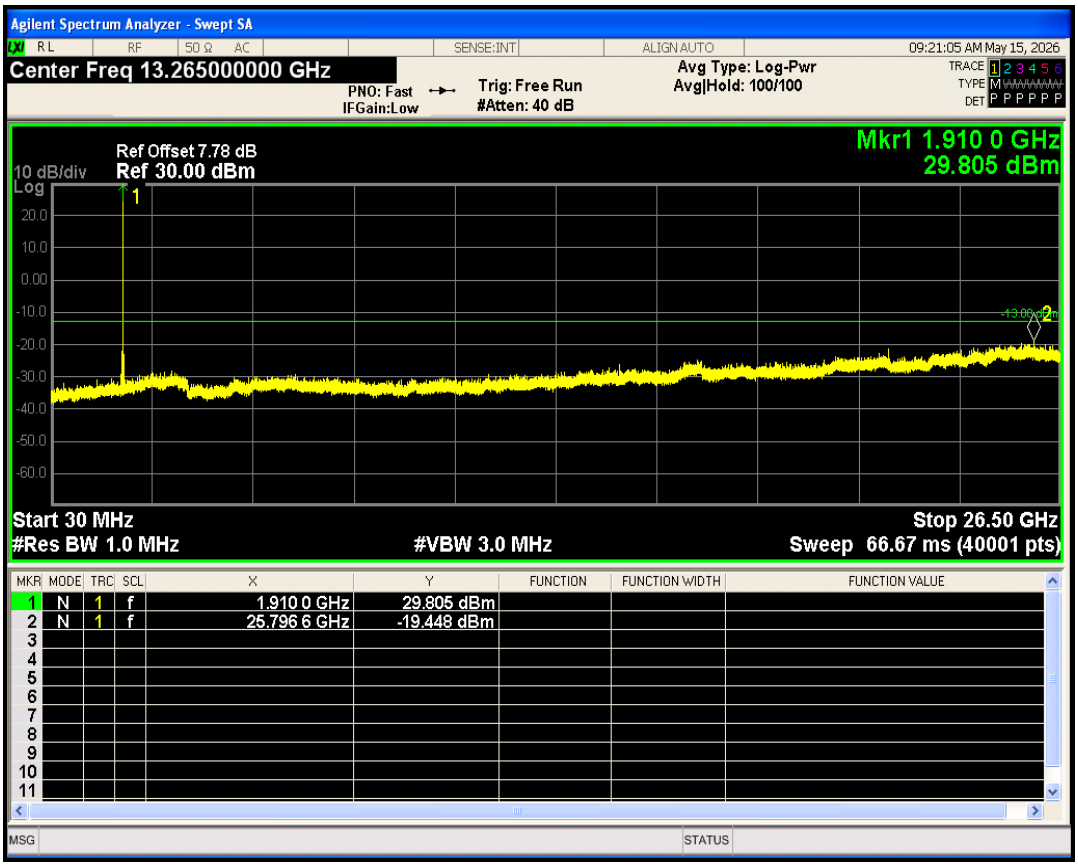
GPRS1900 Channel=661



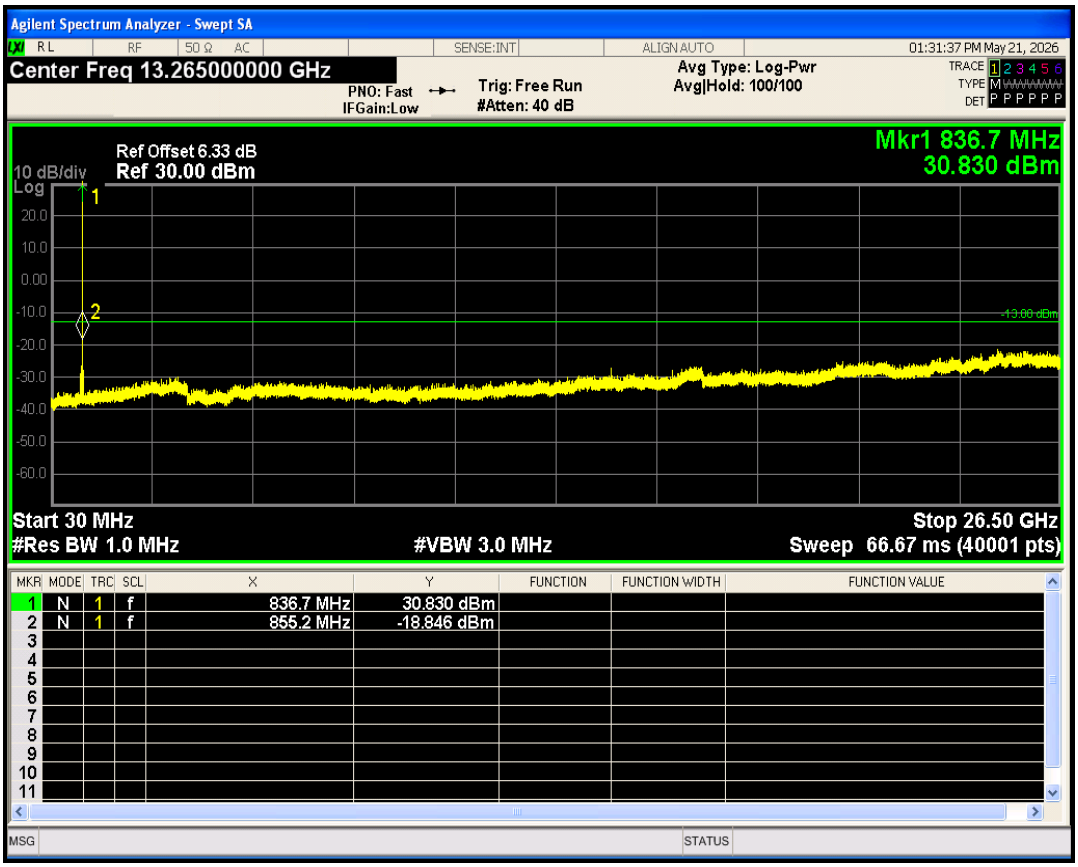
GPRS1900 Channel=512



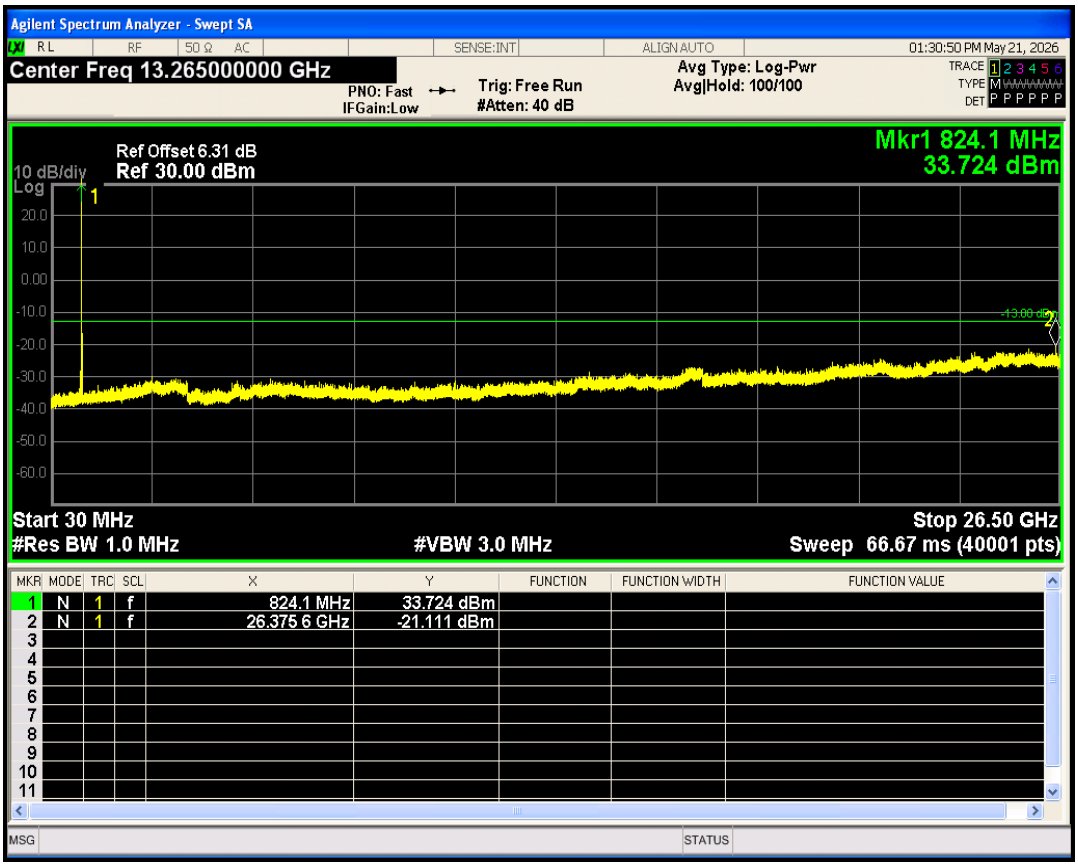
GPRS1900 Channel=810



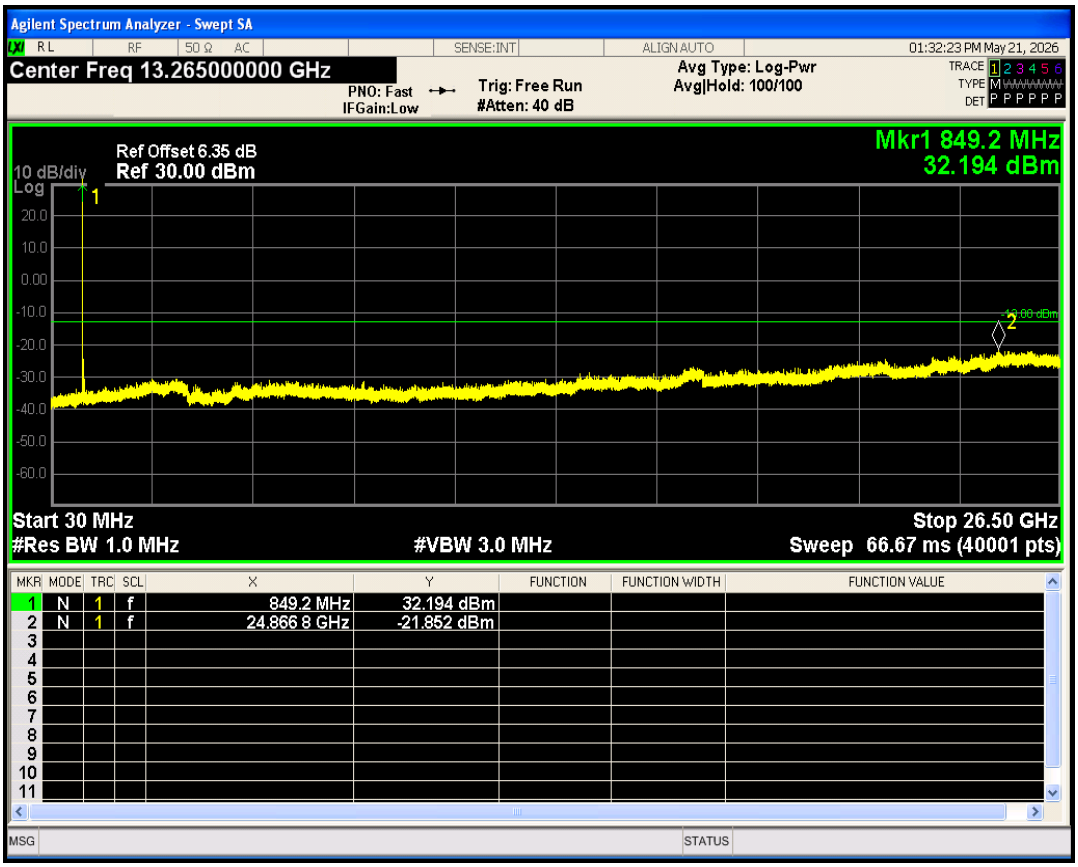
GPRS850 Channel=189



GPRS850 Channel=128



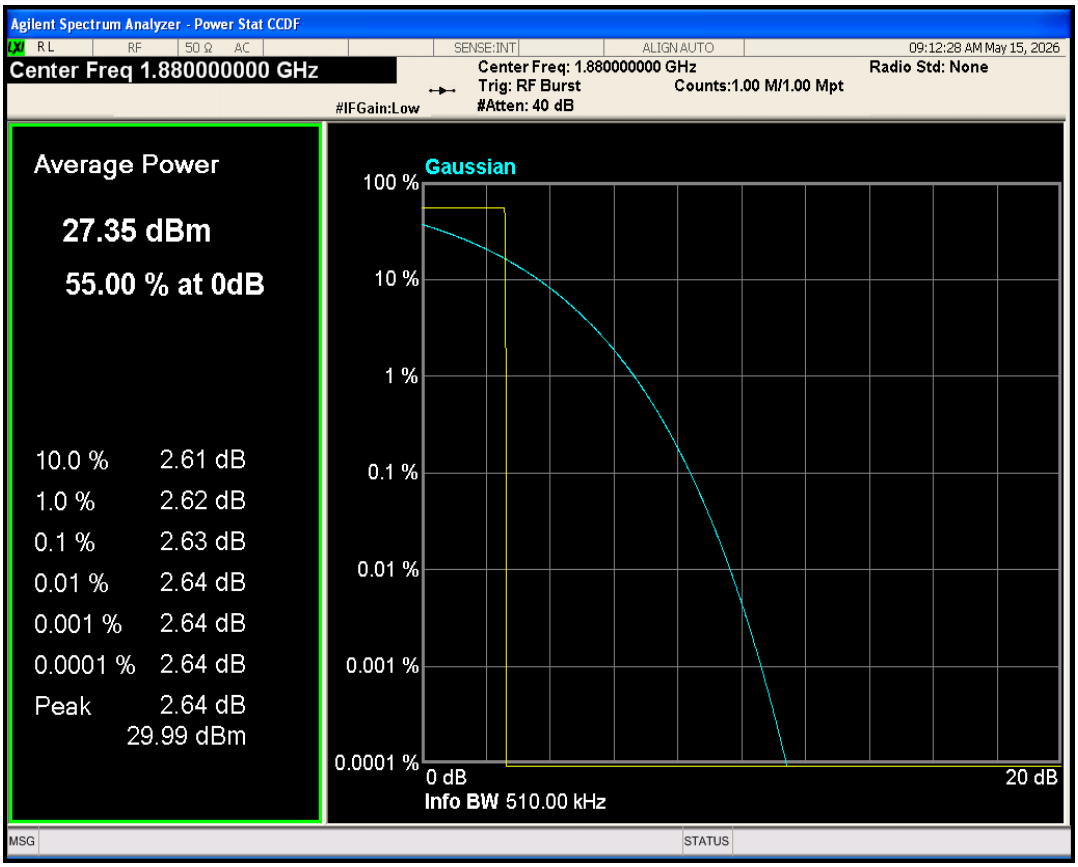
GPRS850 Channel=251



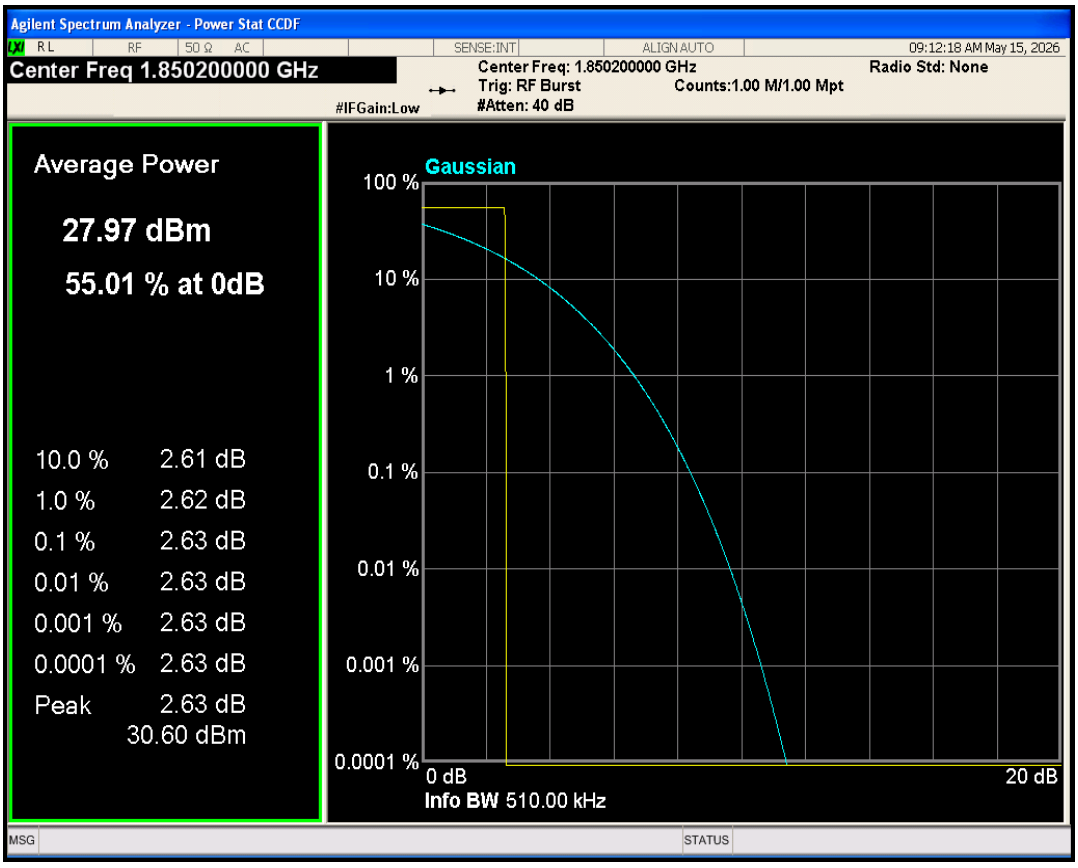
03 Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GSM1900	512	1850.2	2.63	13	PASS
GSM1900	661	1880	2.63	13	PASS
GSM1900	810	1909.8	2.64	13	PASS
GSM850	128	824.2	2.64	13	PASS
GSM850	189	836.4	2.63	13	PASS
GSM850	251	848.8	2.63	13	PASS

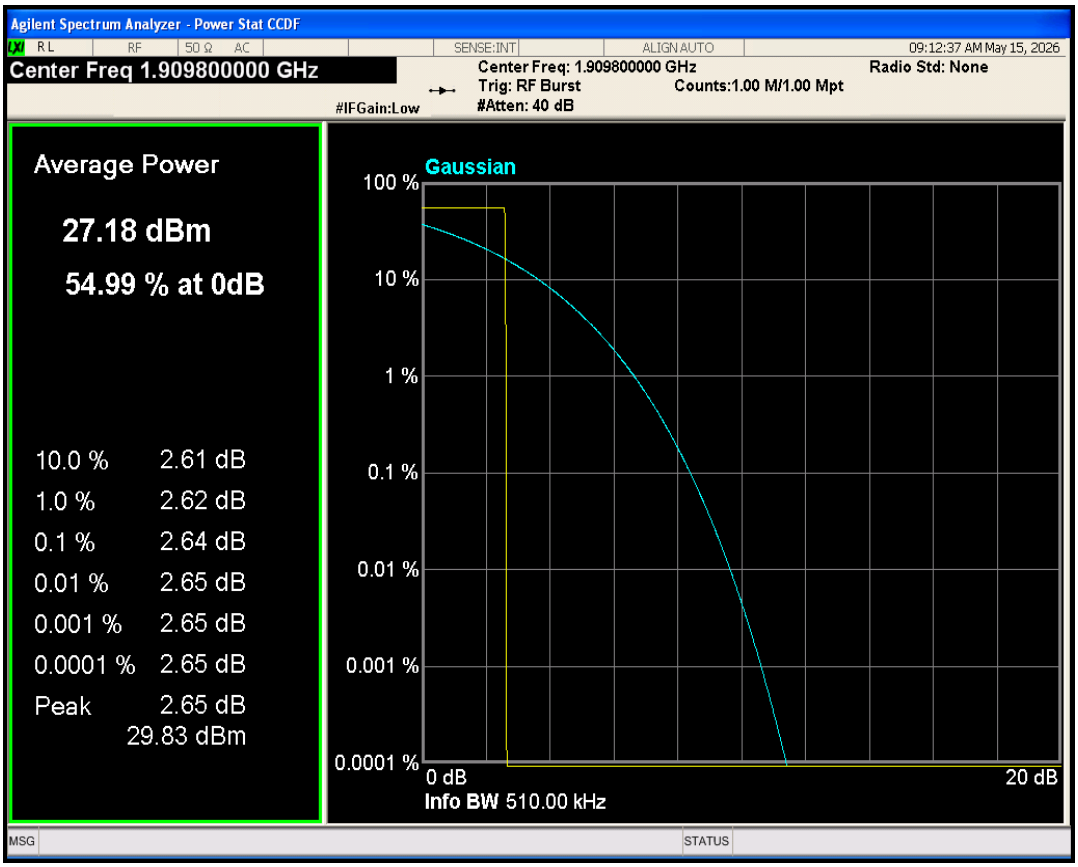
GSM1900 Channel=661



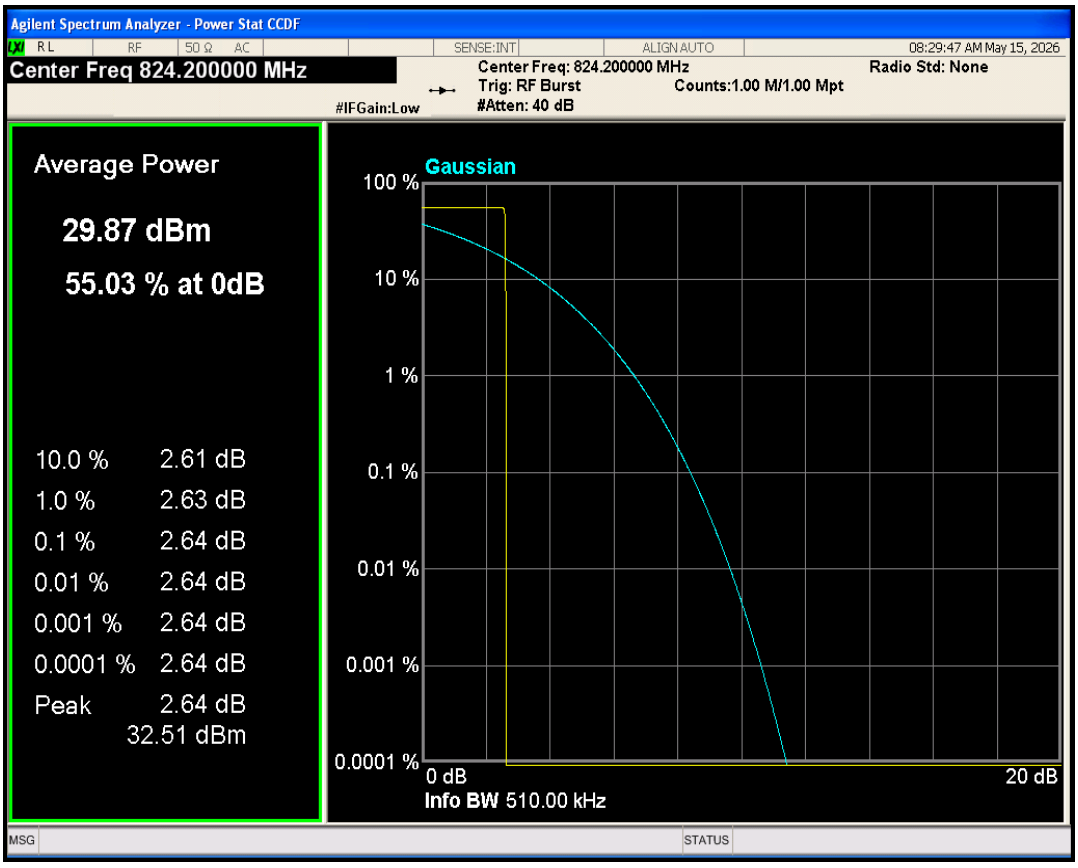
GSM1900 Channel=512



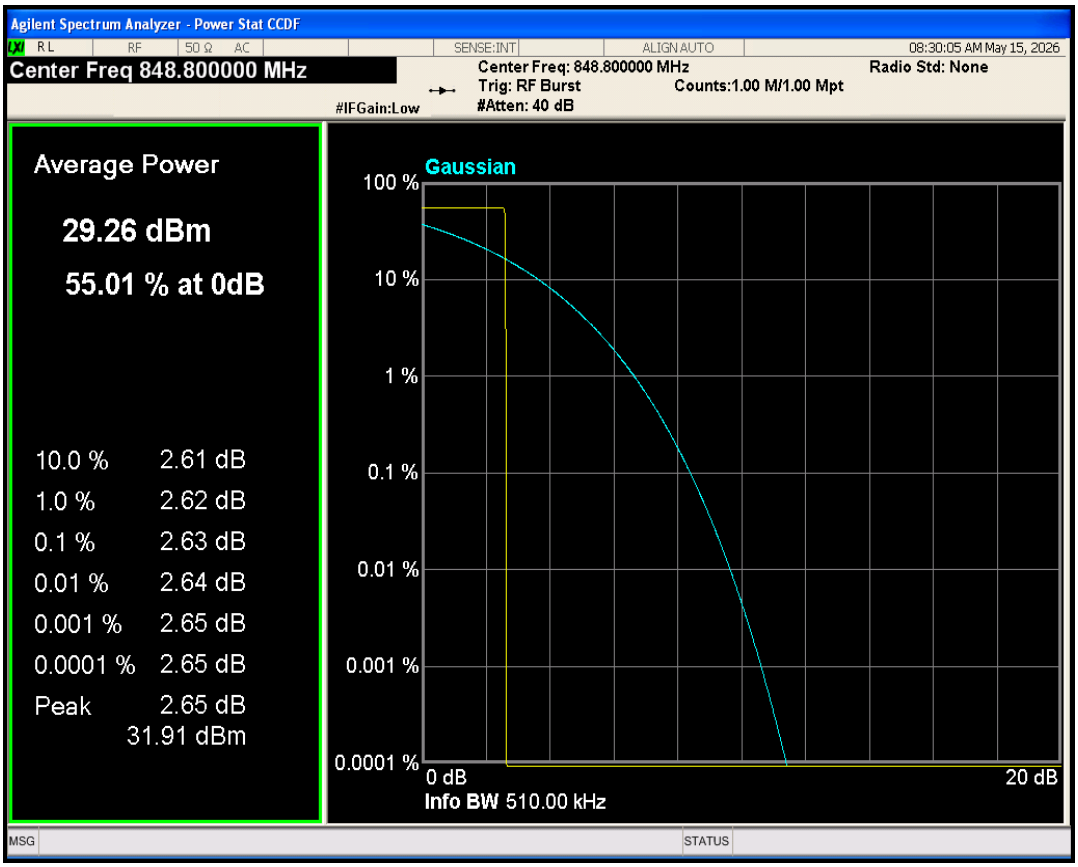
GSM1900 Channel=810



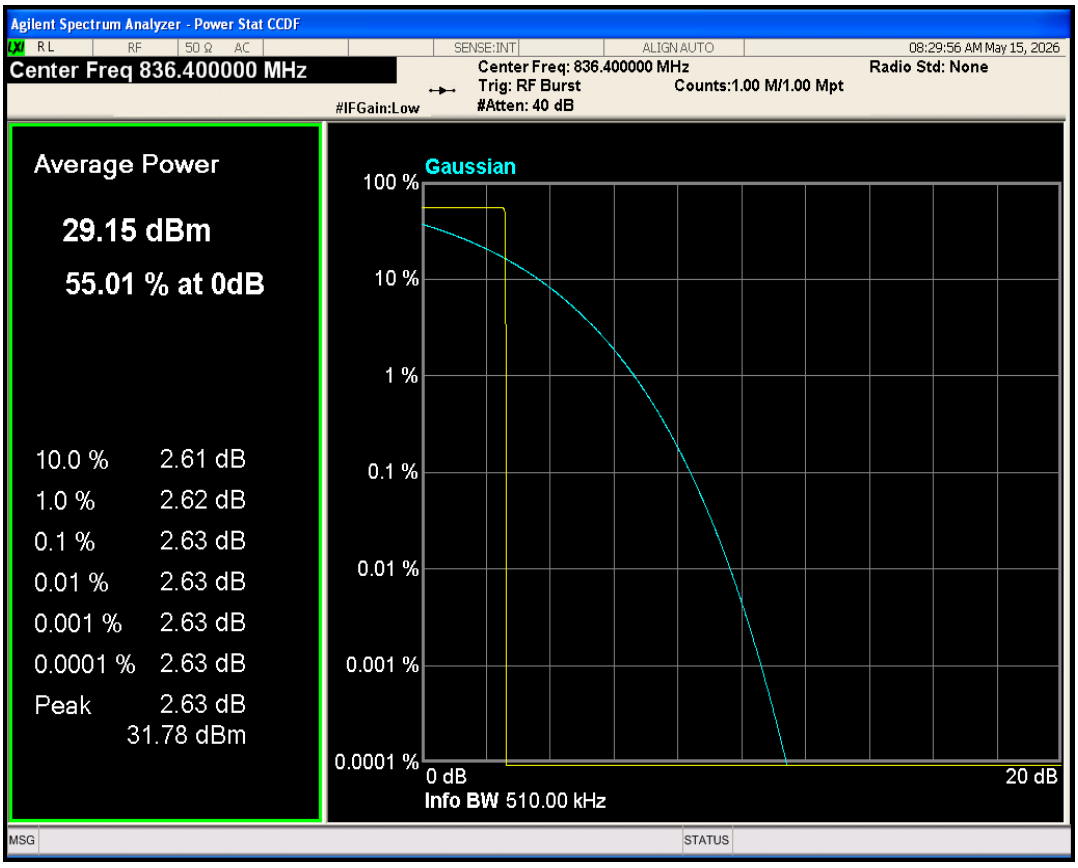
GSM850 Channel=128



GSM850 Channel=251



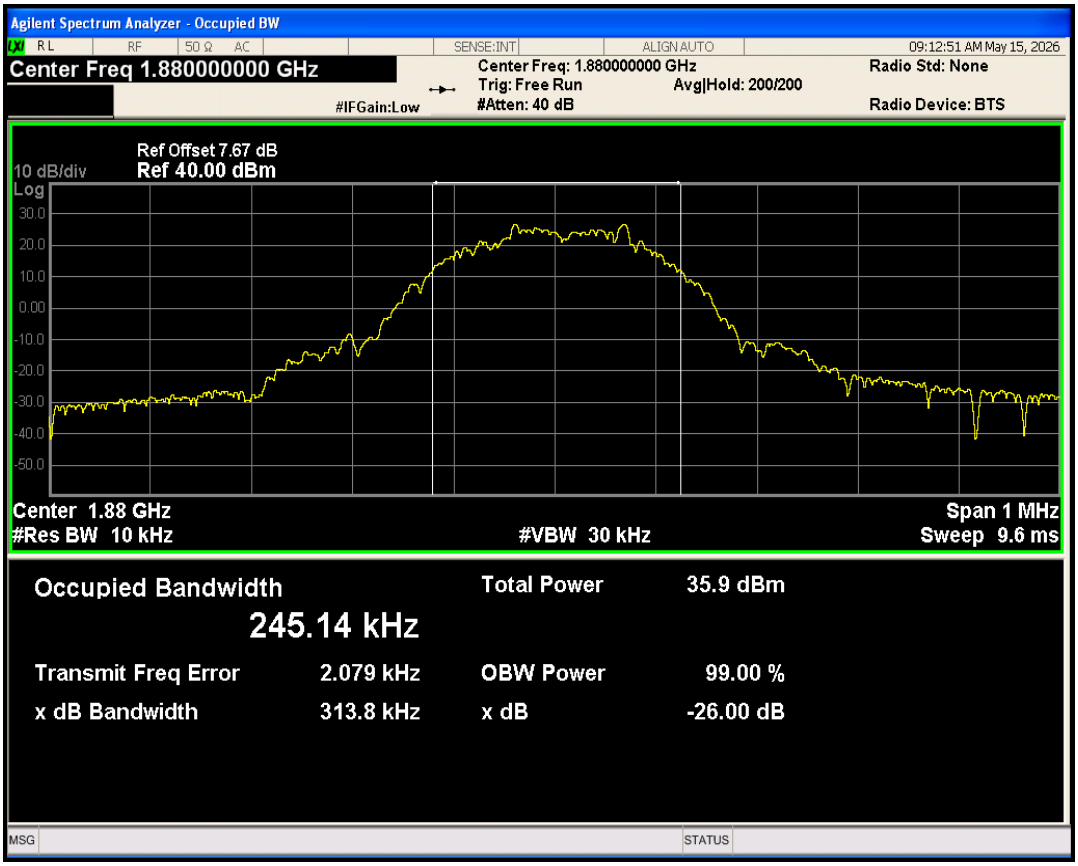
GSM850 Channel=189



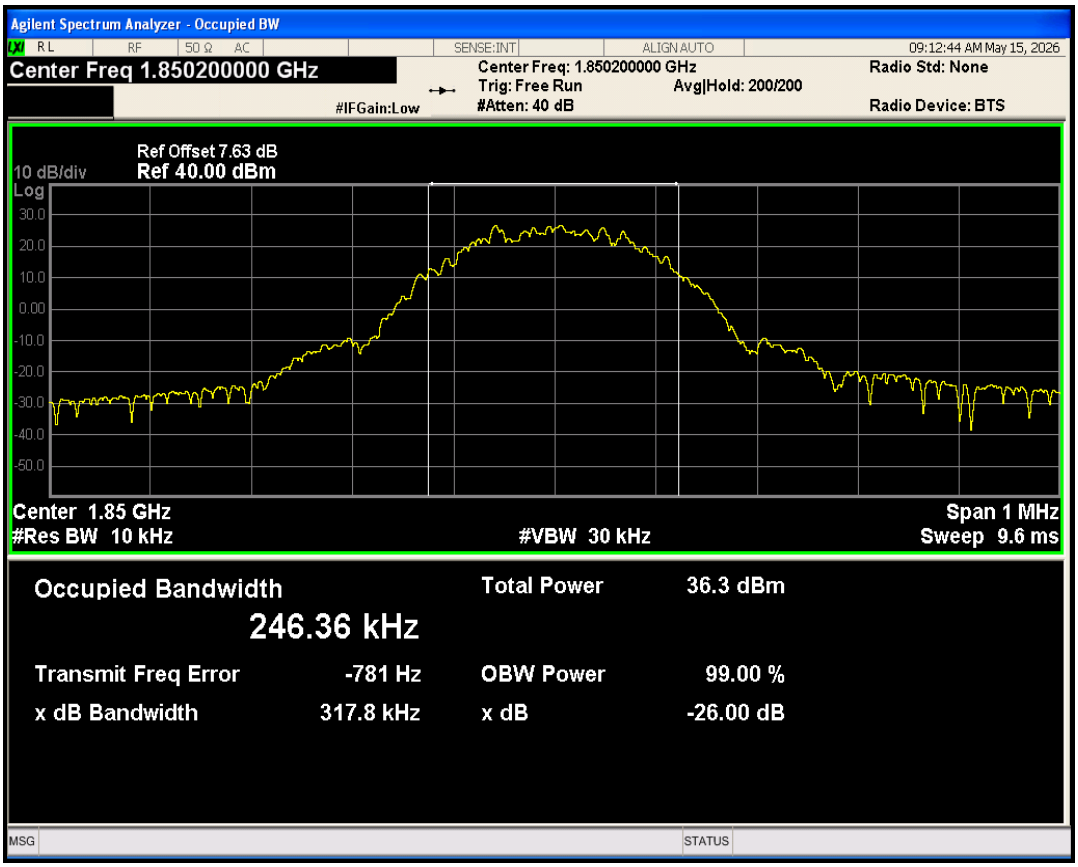
04 Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GSM1900	512	1850.2	246.359	317.850	PASS
GSM1900	661	1880	245.139	313.759	PASS
GSM1900	810	1909.8	245.729	315.670	PASS
GSM850	128	824.2	246.587	311.106	PASS
GSM850	189	836.4	244.297	314.843	PASS
GSM850	251	848.8	244.928	321.556	PASS

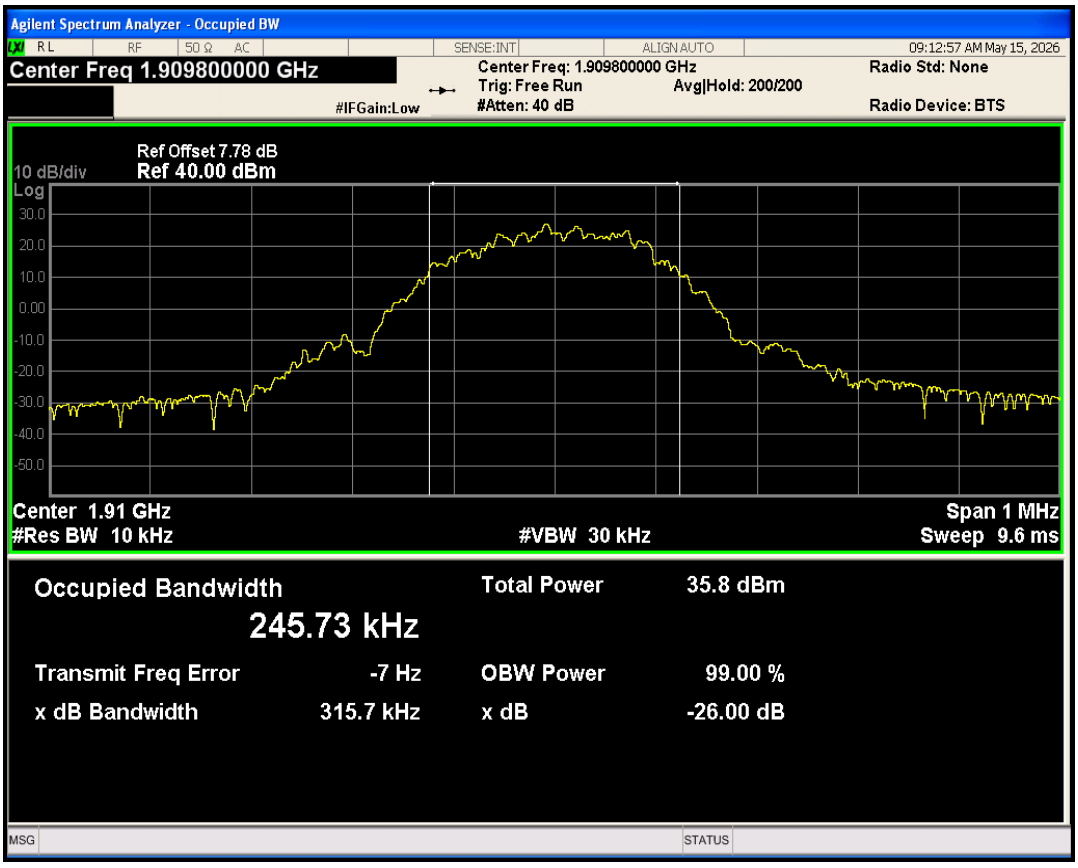
GSM1900 Channel=661



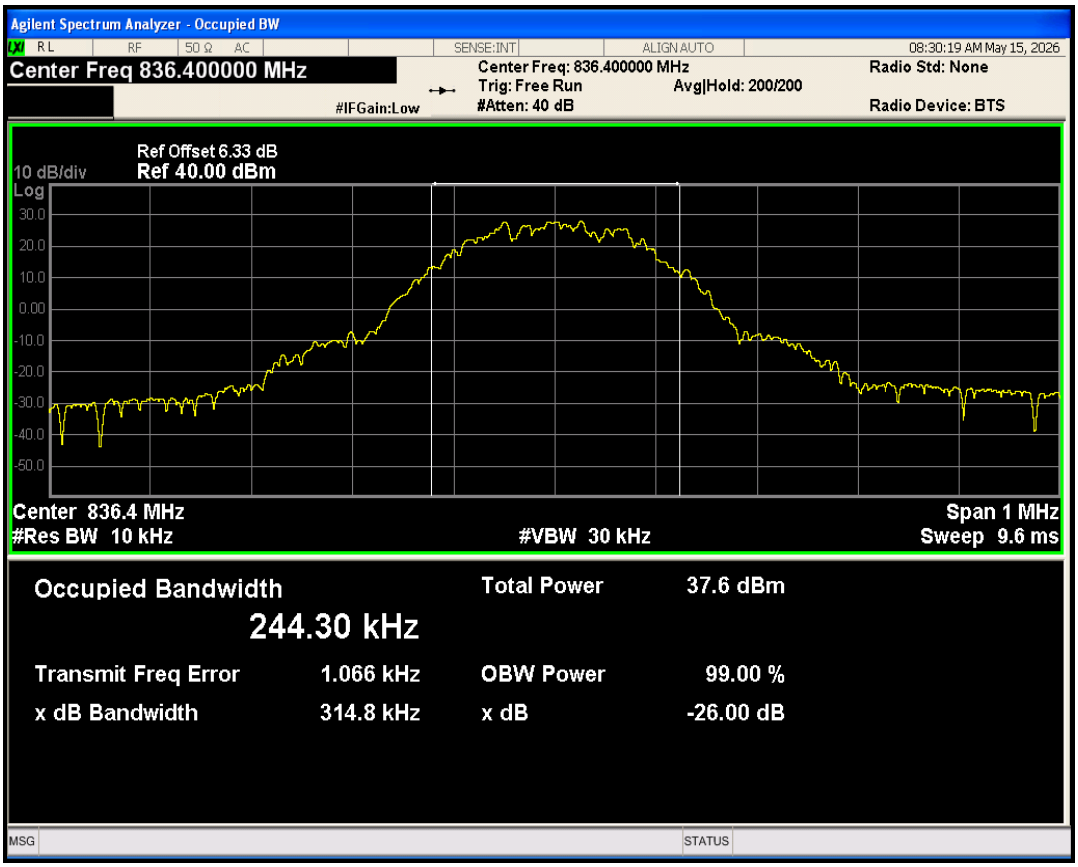
GSM1900 Channel=512



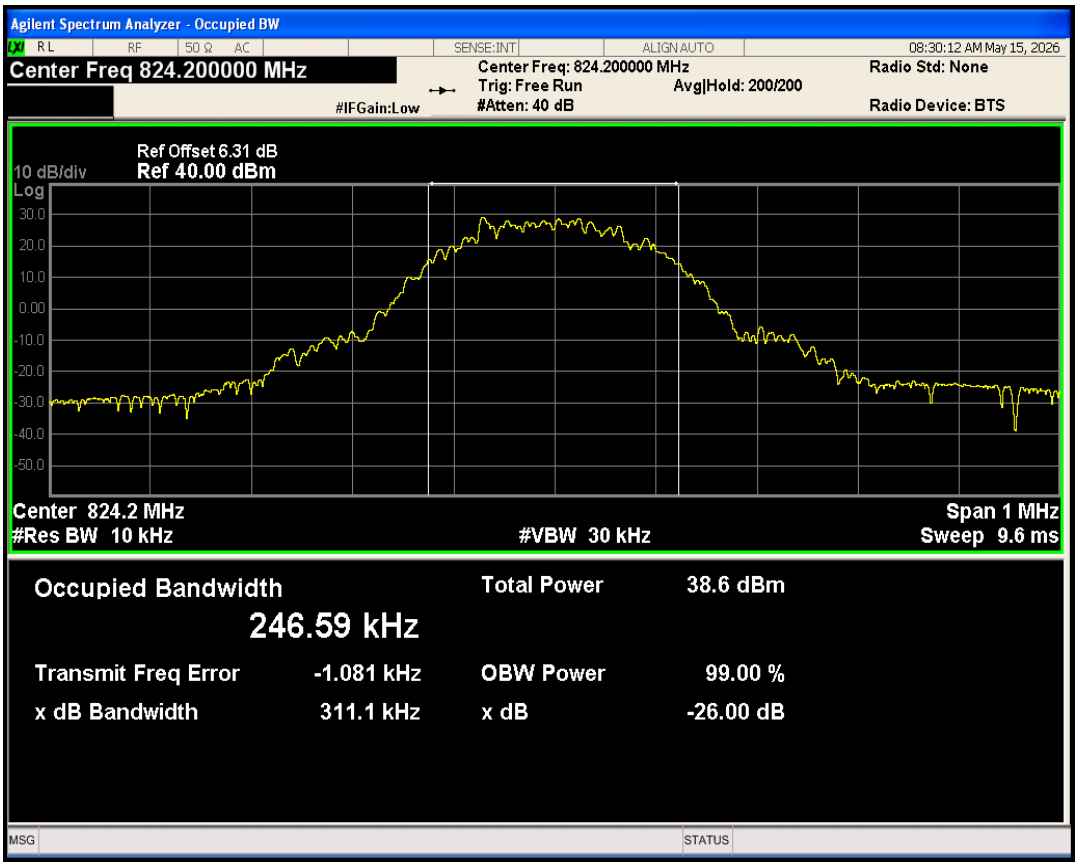
GSM1900 Channel=810



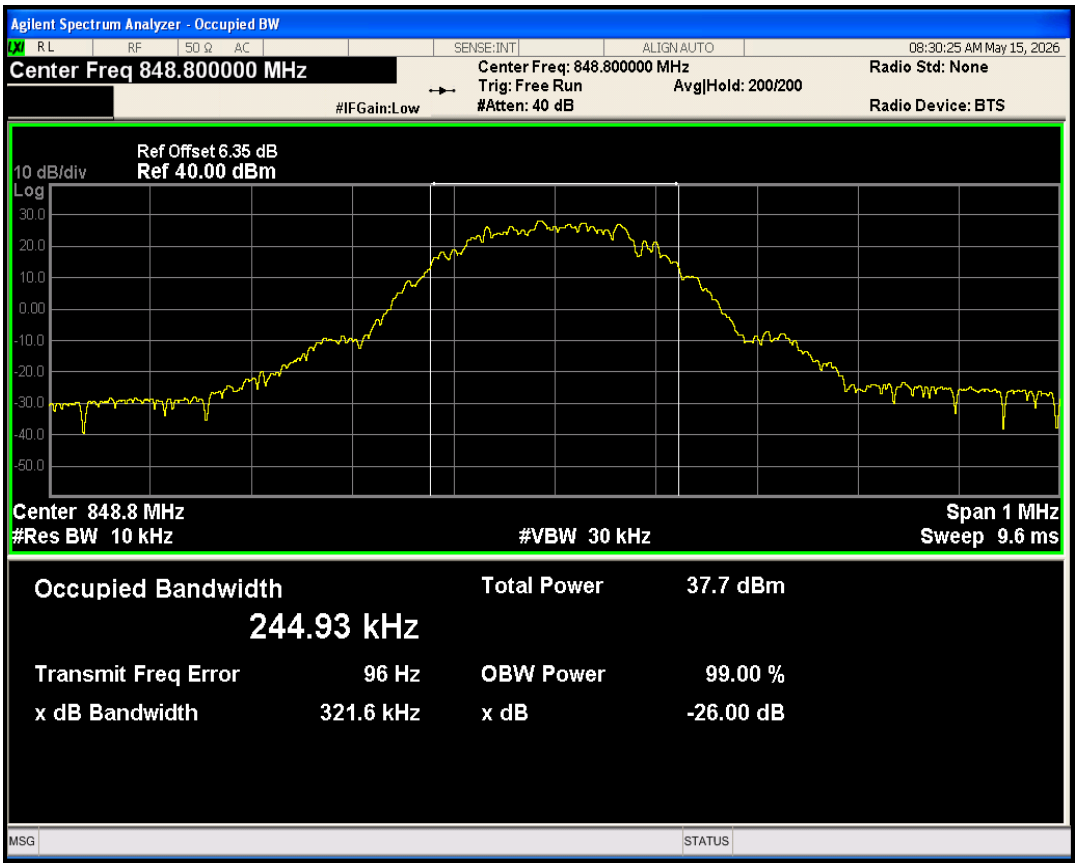
GSM850 Channel=189



GSM850 Channel=128



GSM850 Channel=251

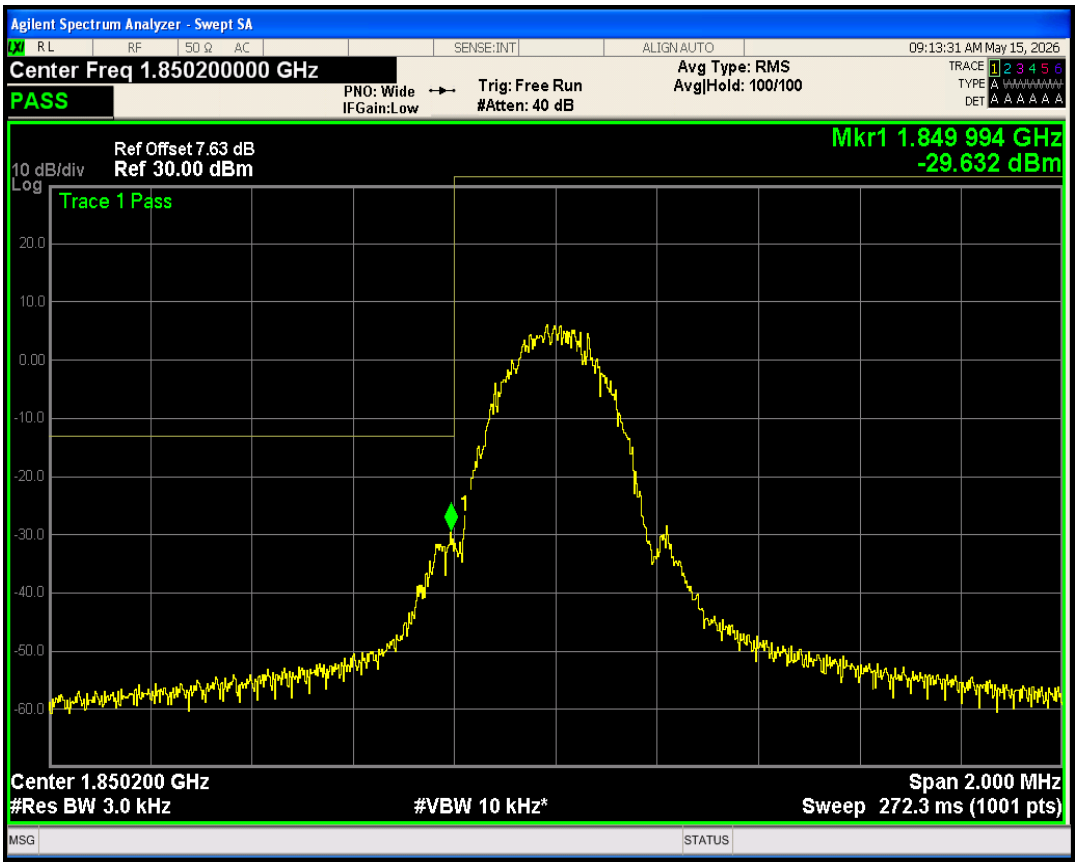


05 Band edge

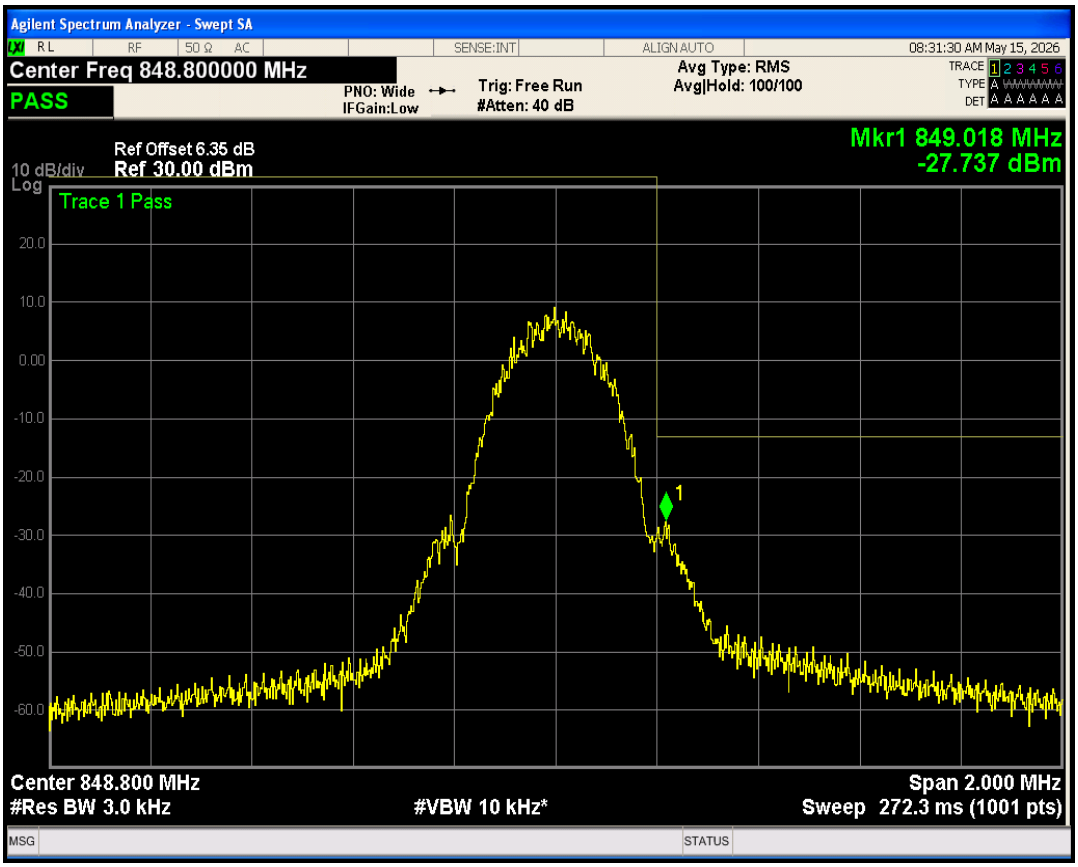
Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GSM1900	512	1850.2	1849.99	-29.63	-13	PASS
GSM1900	810	1909.8	1910.02	-29.30	-13	PASS
GSM850	128	824.2	824.00	-26.52	-13	PASS
GSM850	251	848.8	849.02	-27.73	-13	PASS

GSM1900 Channel=810

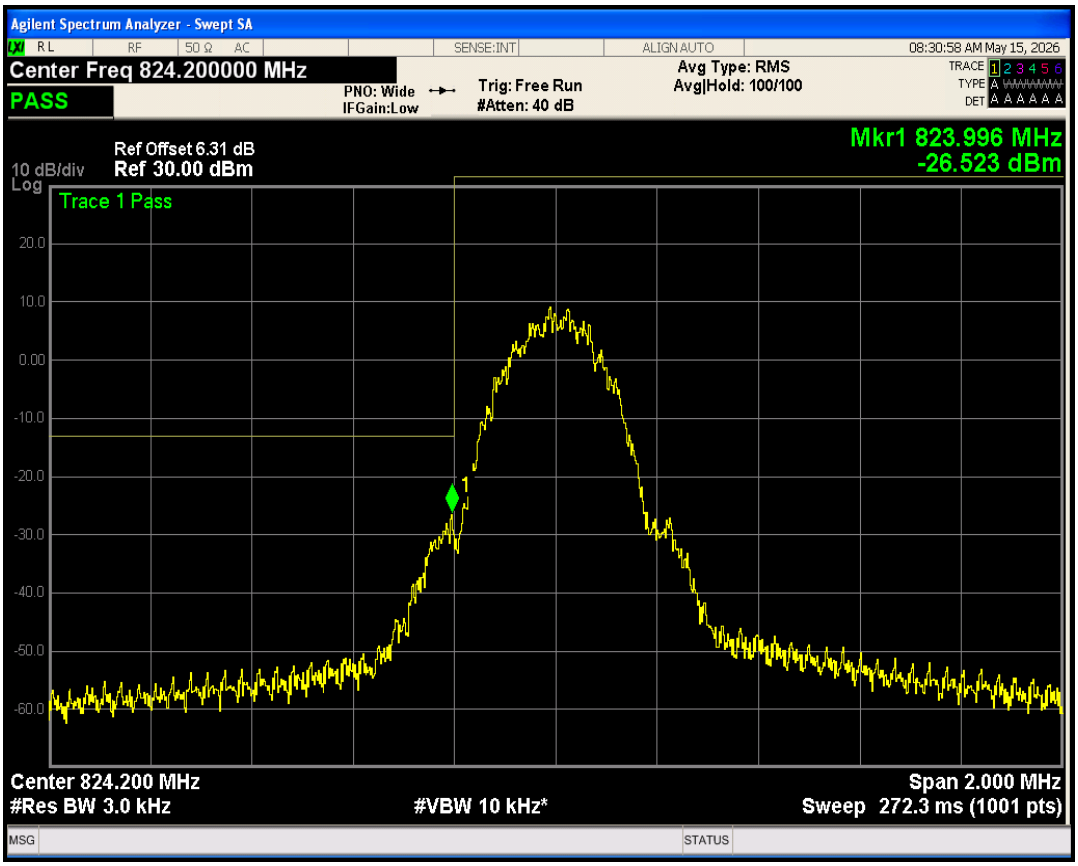
GSM1900 Channel=512



GSM850 Channel=251



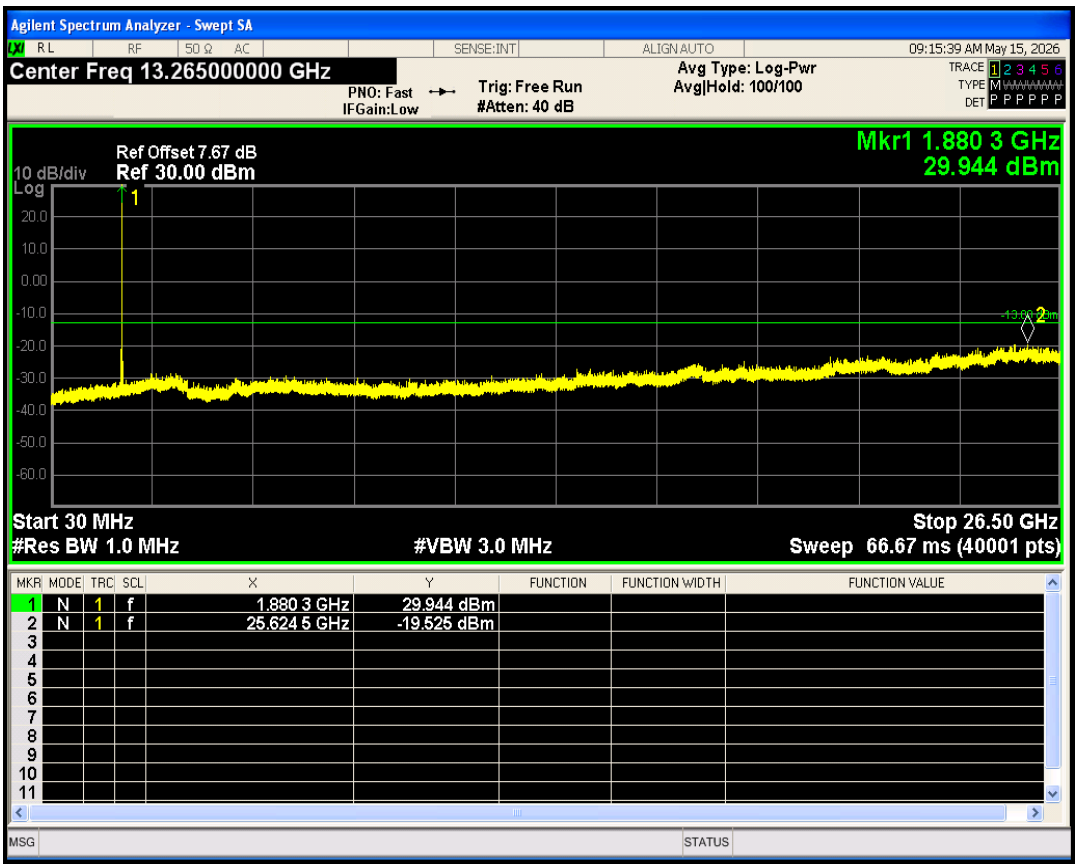
GSM850 Channel=128



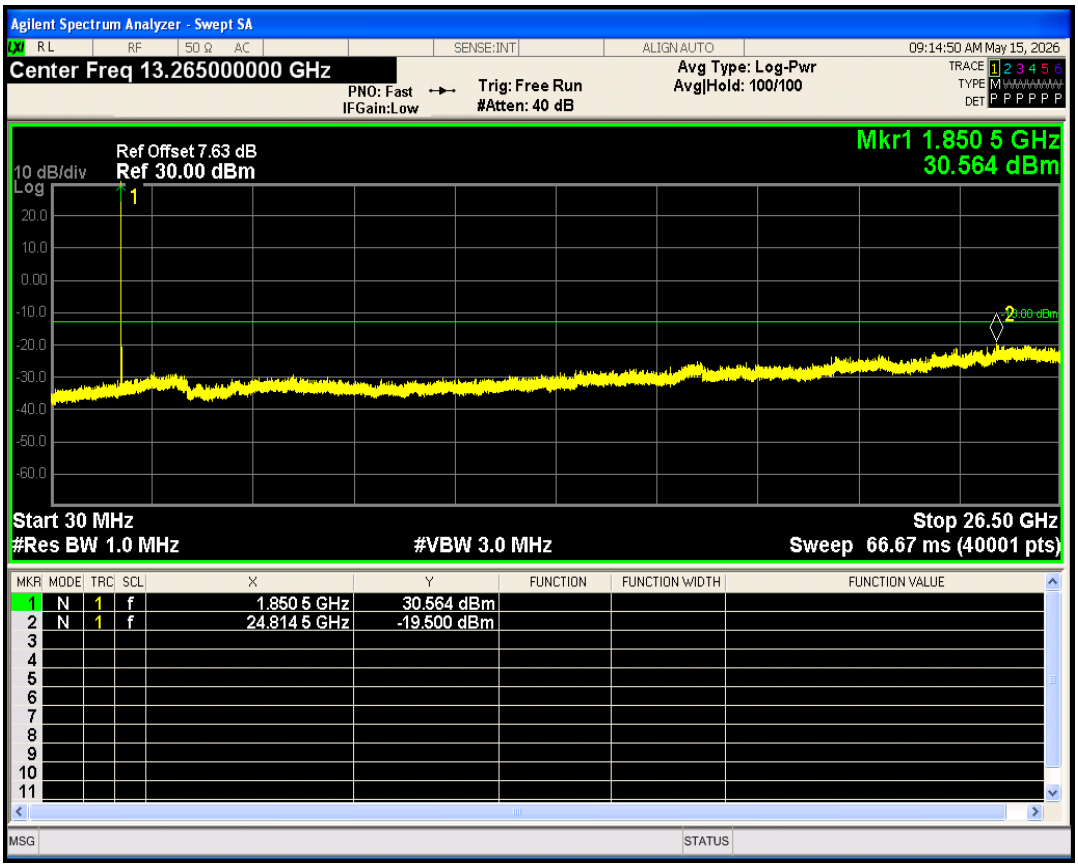
06 Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GSM1900	512	1850.2	24814.52	-19.49	-13	PASS
GSM1900	661	1880	25624.50	-19.52	-13	PASS
GSM1900	810	1909.8	24835.04	-19.63	-13	PASS
GSM850	128	824.2	813.51	-17.34	-13	PASS
GSM850	189	836.4	25300.25	-21.19	-13	PASS
GSM850	251	848.8	25591.42	-21.41	-13	PASS

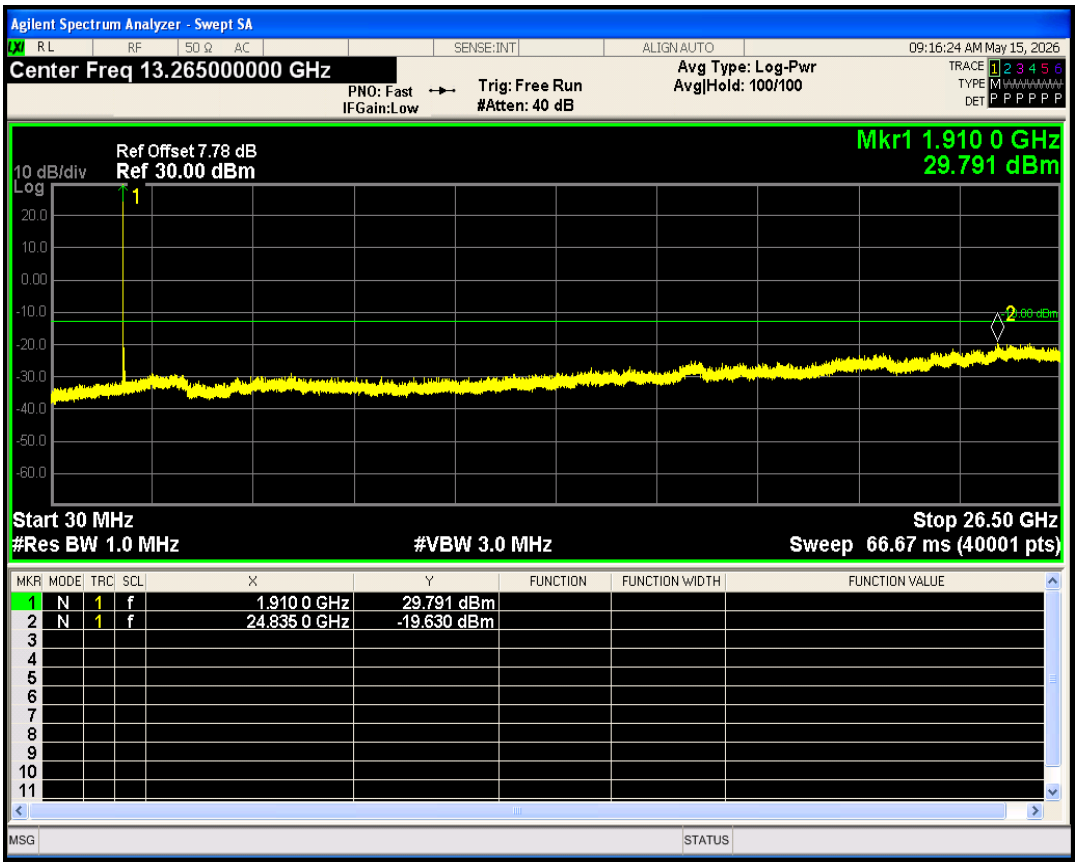
GSM1900 Channel=661



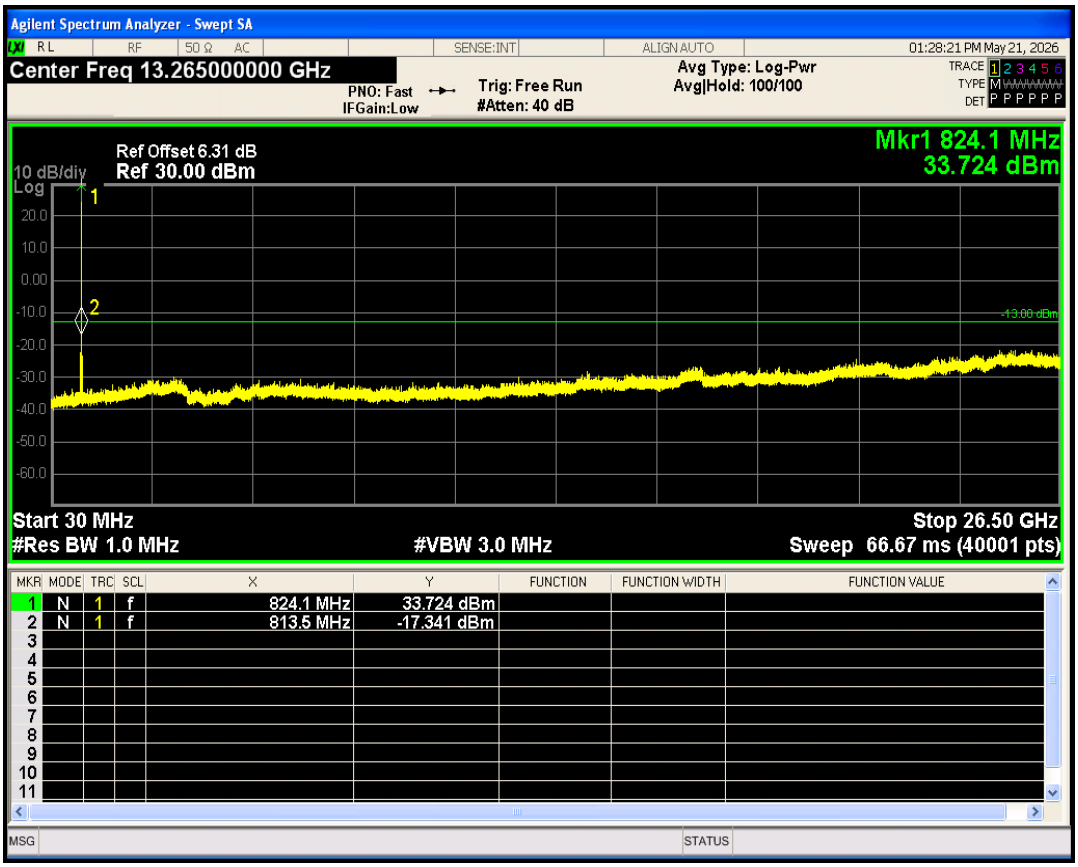
GSM1900 Channel=512



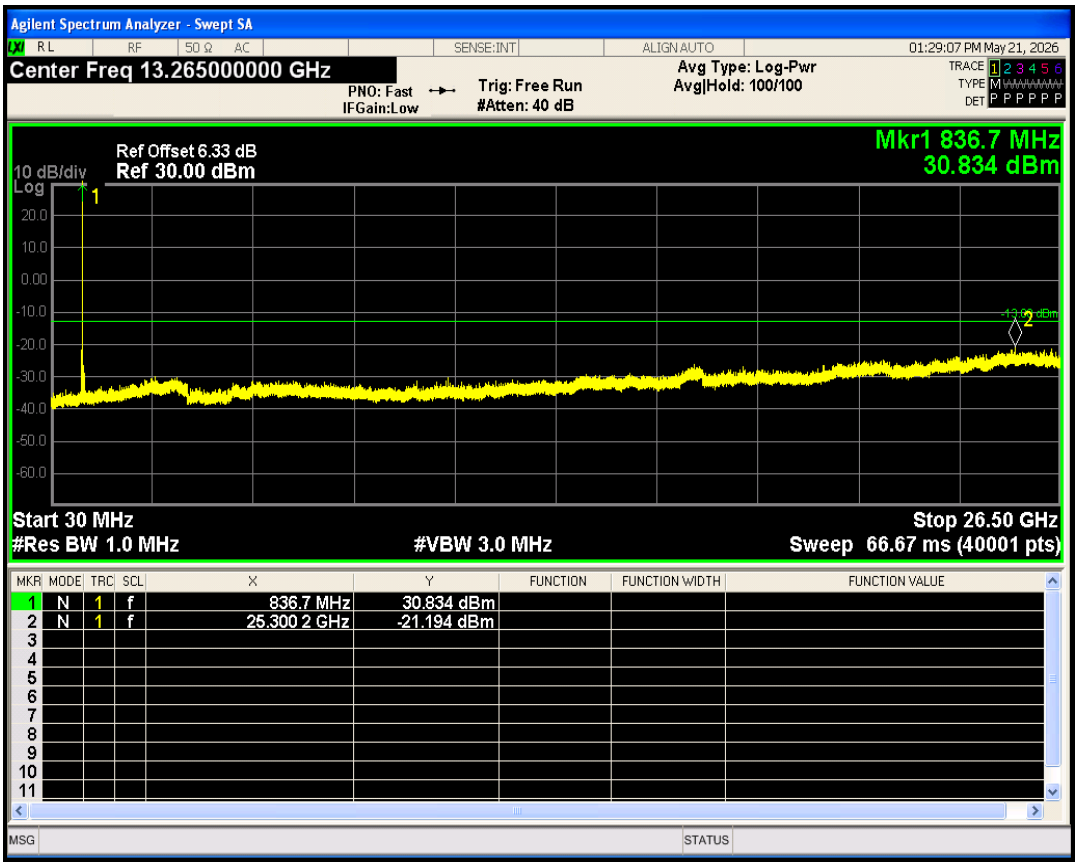
GSM1900 Channel=810



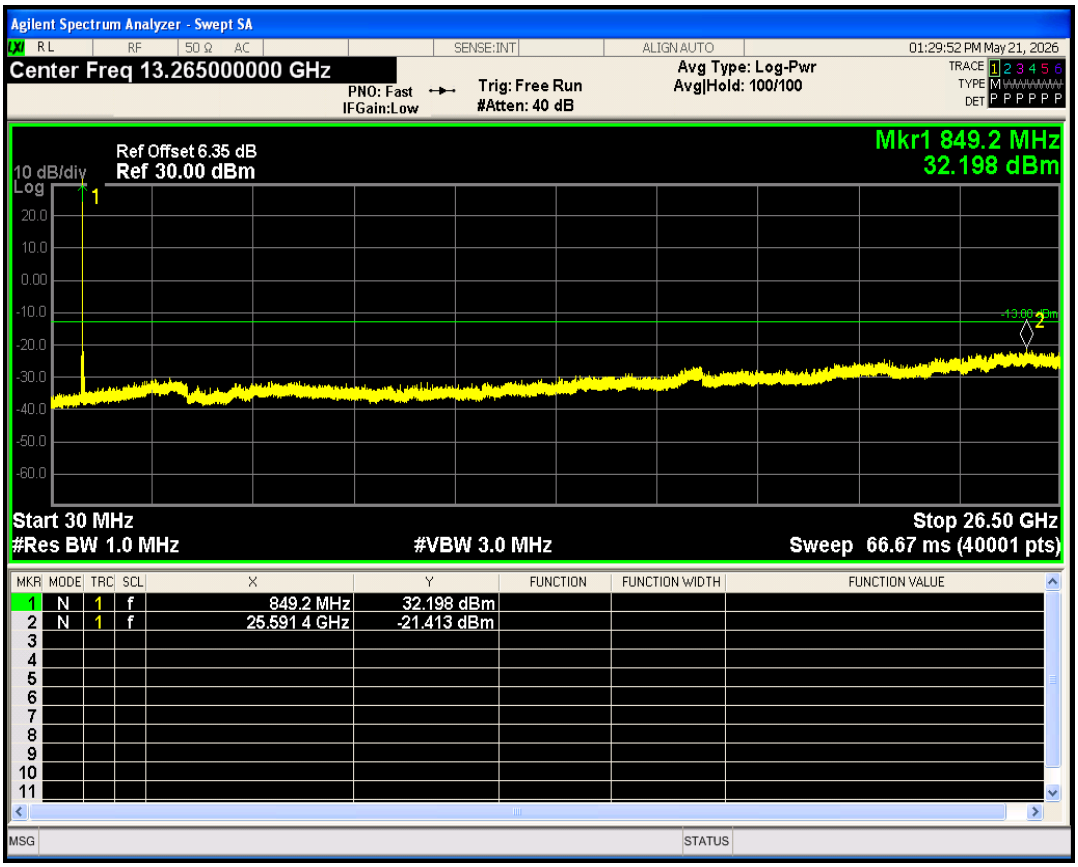
GSM850 Channel=128



GSM850 Channel=189



GSM850 Channel=251


Agilent Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
01:29:52 PM May 21, 2026
Center Freq 13.265000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold: 100/100
TRACE 1 2 3 4 5 6
TYPE M
DET P P P P P P
Ref Offset 6.35 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 849.2 MHz
32.198 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.50 GHz
Sweep 66.67 ms (40001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 849.2 MHz 32.198 dBm
2 N 1 f 25.591 4 GHz -21.413 dBm
3
4
5
6
7
8
9
10
11
MSG
STATUS