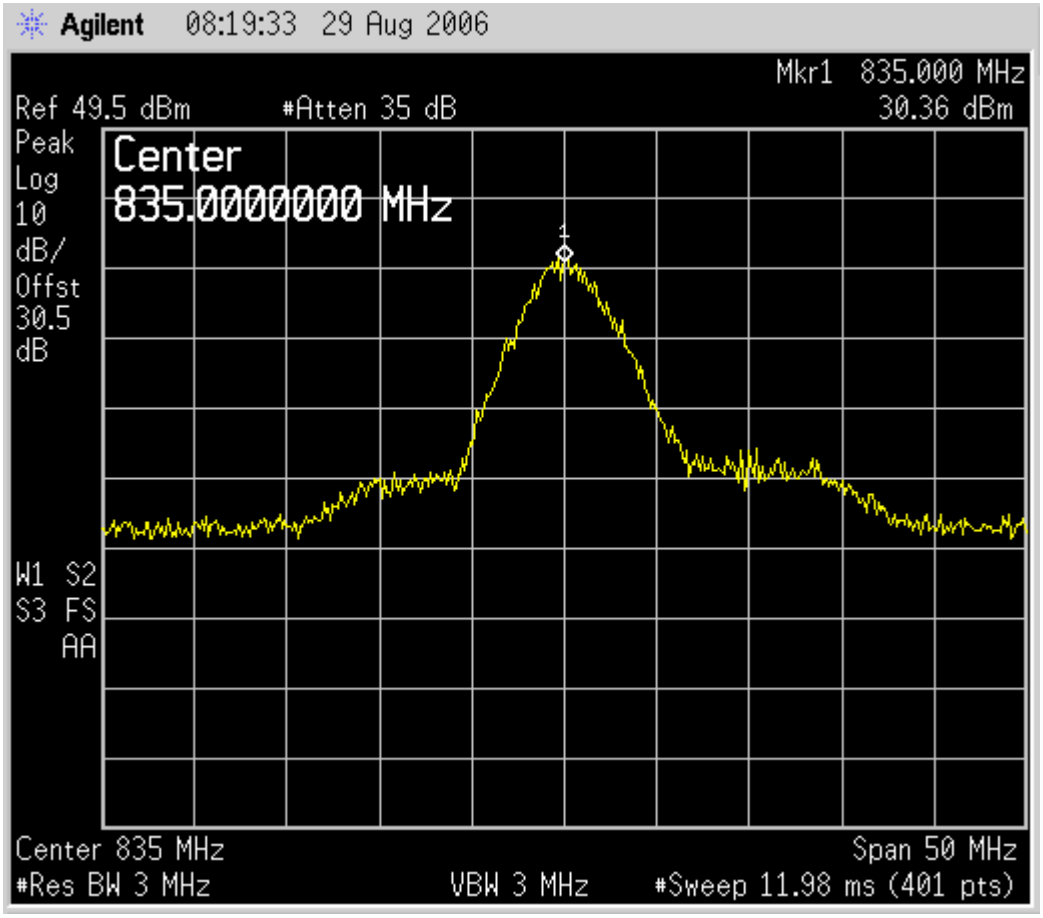
CDMA POWER PLOT

Page 34. depicts a power plot of a single CDMA modulated Carrier showing the rated power out put measured at the output terminals of the RPT900

For multi-carrier operation additional back off is applied at the time of systems integration into the network to accommodate the number of carriers present at a given site.

This is accomplished by using the digital attenuators in the IF of the unit by using the toggle switches provided on the uplink / downlink modules.
Additionally the Pin Diode limiting diode in the IF will gently start limiting 10dB below the +30dBm output level, reaching full limiting power at full power output, thus preventing exceeding rated power output.



UPLINK 824 / 849 Megahertz

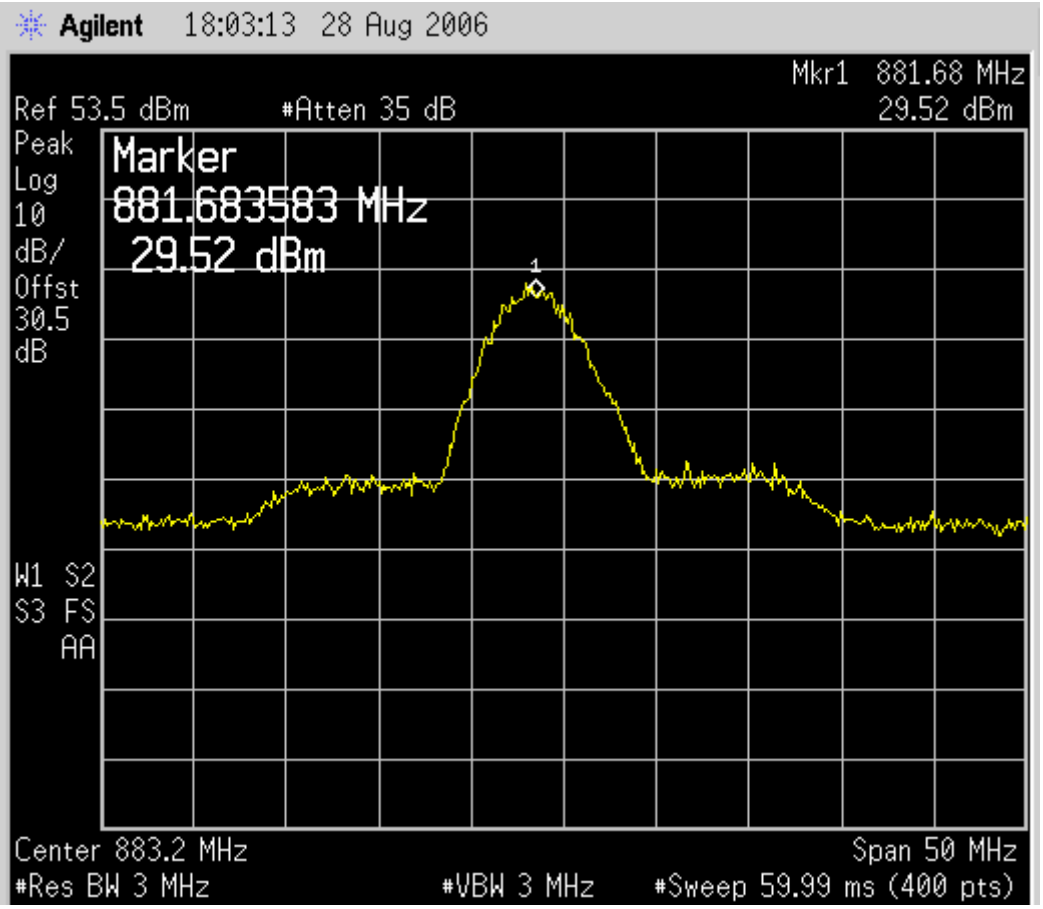
CDMA Modulated Carrier showing Peak Power measurement.
CDMA Power Pot single modulated carrier.
Input signal from CDMA signal generator -74dBm
Out-put from RPT 900 30.36dBm Peak Power
Measurements using Agilent spectrum analyzer

CDMA POWER PLOT

Page 35. depicts a power plot of a single CDMA modulated Carrier showing the rated power out put measured at the output terminals of the RPT900

For multi-carrier operation additional back off is applied at the time of systems integration into the network to accommodate the number of carriers present at a given site.

This is accomplished by using the digital attenuators in the IF of the unit by using the toggle switches provided on the uplink / downlink modules.
Additionally the Pin Diode limiting diode in the IF will gently start limiting 10dB below the +30dBm output level reaching full limiting power at full power output, thus preventing exceeding rated power output.



DOWN LINK 869 / 894 Megahertz

CDMA Modulated Carrier showing Peak Power measurement.

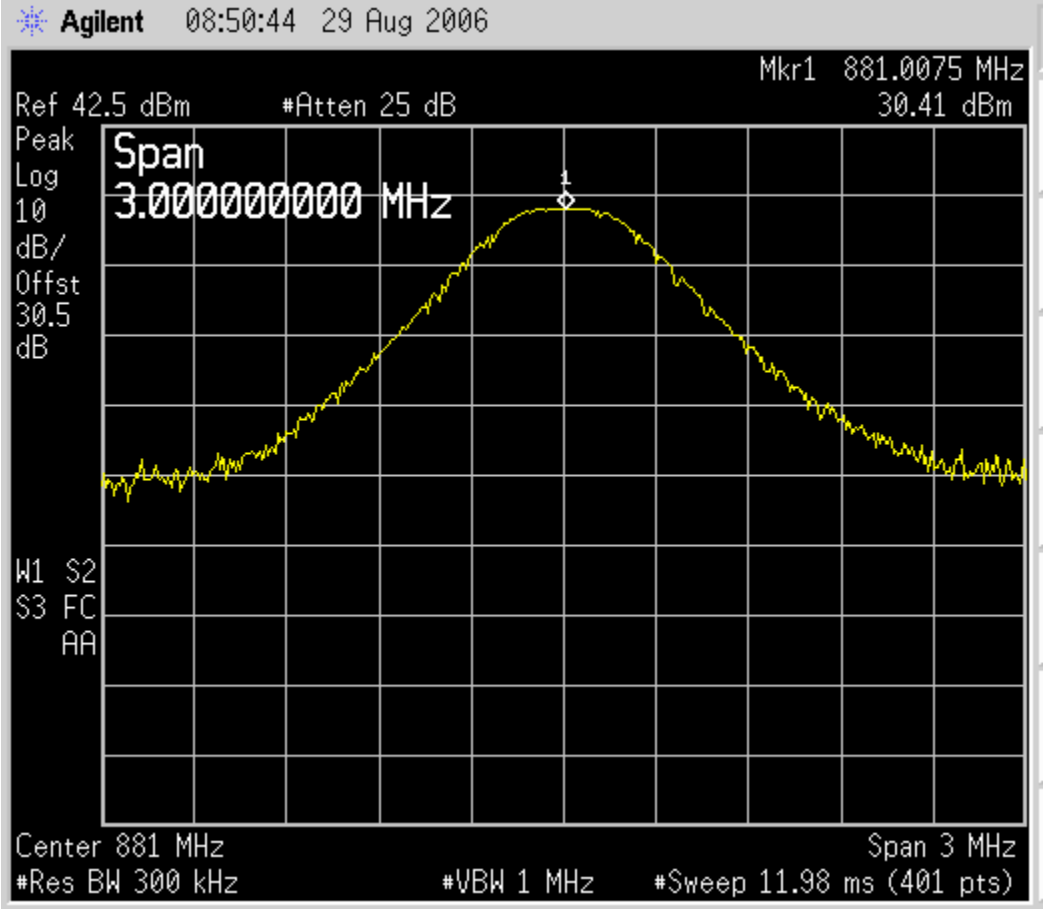
CDMA Power Pot single modulated carrier.
Input signal from CDMA signal generator -74dBm
Out-put from RPT 900 =29.52 dBm Peak Power
Measurements using Agilent spectrum analyzer

GSM POWER PLOT

Page 36. depicts a power plot of a single GSM modulated Carrier showing the rated power out put measured at the output terminals of the RPT900

For multi-carrier operation additional back off is applied at the time of systems integration into the network to accommodate the number of carriers present at a given site.

This is accomplished by using the digital attenuators in the IF of the unit by using the toggle switches provided on the uplink / downlink modules.
Additionally the Pin Diode limiting diode in the IF will gently start limiting 10dB below the +30dBm output level, reaching full limiting power at full power output, thus preventing exceeding rated power output.



DOWN LINK 869 / 894 Megahertz

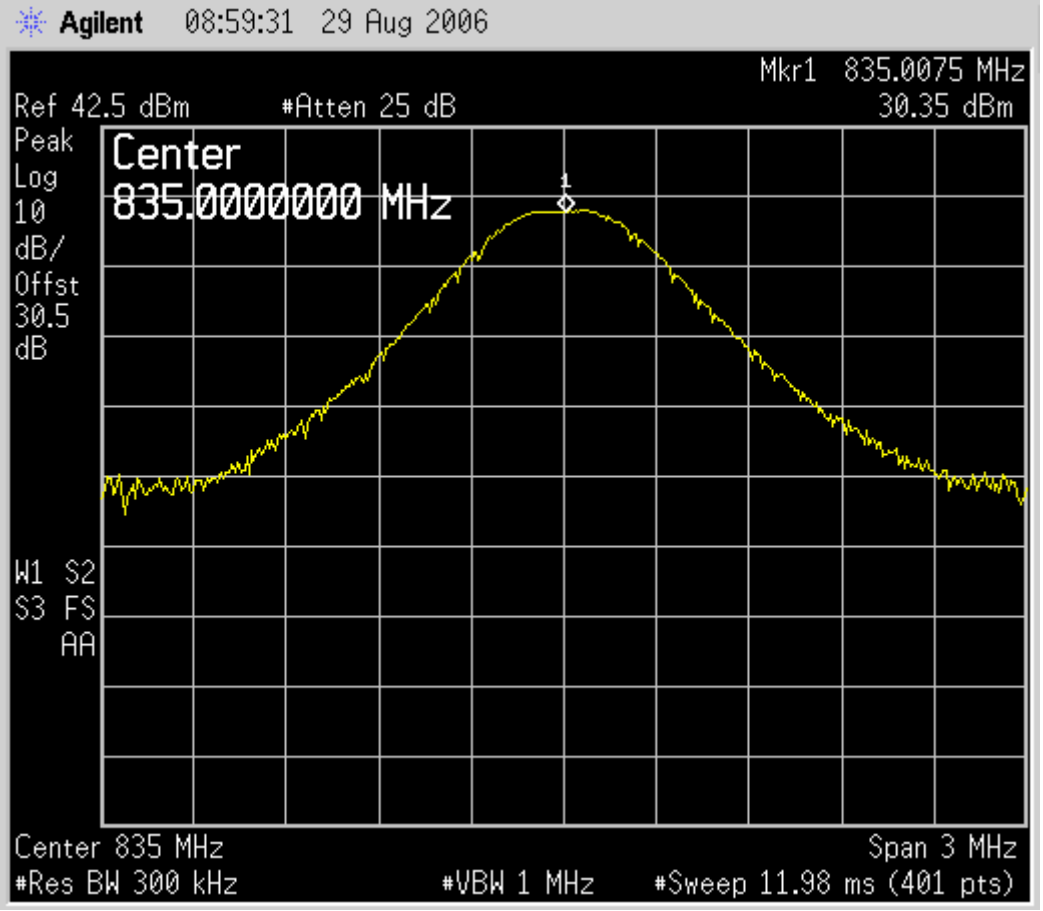
GSM Modulated Carrier showing Peak Power measurement.
GSM Power Pot single modulated carrier.
Input signal from GSM signal generator -66.7dBm
Out-put from RPT 900 =30.41 dBm Peak Power
Measurements using Agilent spectrum analyzer.

GSM POWER PLOT

Page 37. depicts a power plot of a single GSM modulated Carrier showing the rated power out put measured at the output terminals of the RPT900

For multi-carrier operation additional back off is applied at the time of systems integration into the network to accommodate the number of carriers present at a given site.

This is accomplished by using the digital attenuators in the IF of the unit by using the toggle switches provided on the uplink / downlink modules.
Additionally the Pin Diode limiting diode in the IF will gently start limiting 10dB below the +30dBm output level, reaching full limiting power at full power output, thus preventing exceeding rated power output.



DOWN LINK 869 / 894 Megahertz

GSM Modulated Carrier showing Peak Power measurement.

GSM Power Pot single modulated carrier.
Input signal from GSM signal generator -66.7dBm
Out-put from RPT 900 =30.35 dBm Peak Power
Measurements using Agilent spectrum analyzer.