

FCC part 24 tests

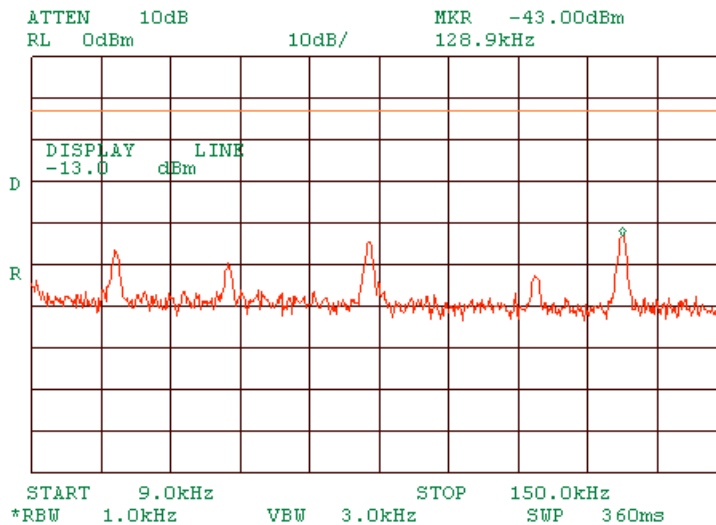
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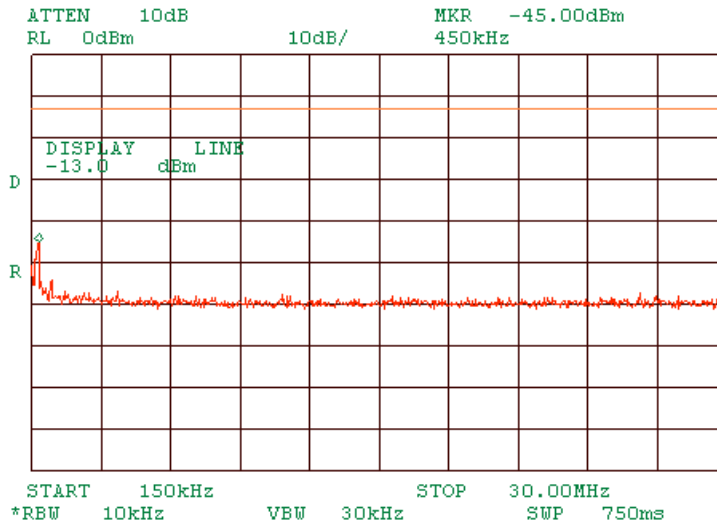
Date 17 May 2004
Test Conducted spurious emissions
Project 15867, Mobile Access 1200 + Mobile Access 1000
Humidity 43%
Temperature 23C
Air pressure 1009hPa
Test equipment 1424, 2399, 1097, 2524
Assigned band Downlink: 1930 – 1990MHz Uplink:1850 – 1910MHz
IP = input power
Op = output power
G = gain
Mod = input modulation

Conducted spurious emissions DOWNLINK

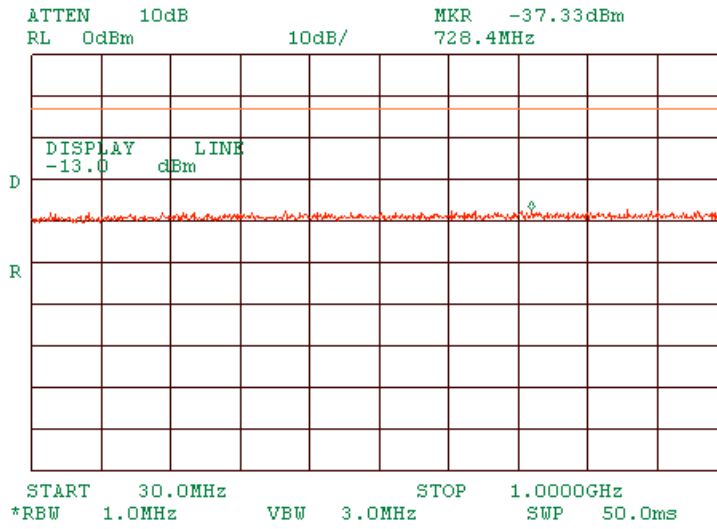
Deviation = 5kHz
Rate = 2500Hz
IP = 36 dBm
FM transmit mode 9 – 150 kHz.



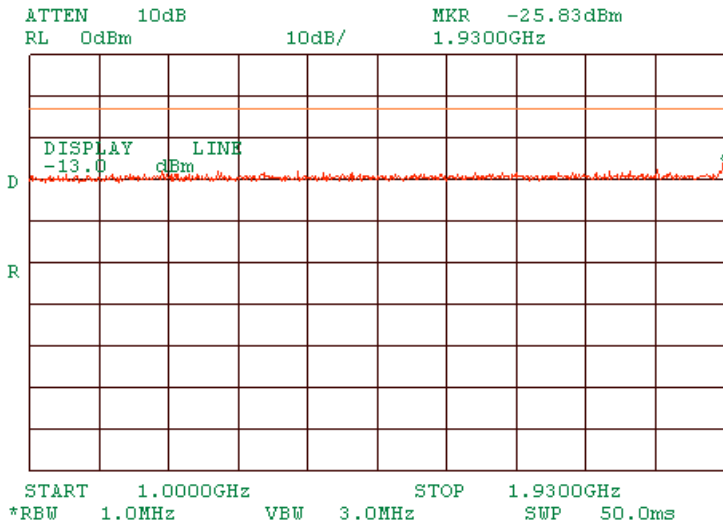
FM transmit mode 0.150 – 30 MHz.



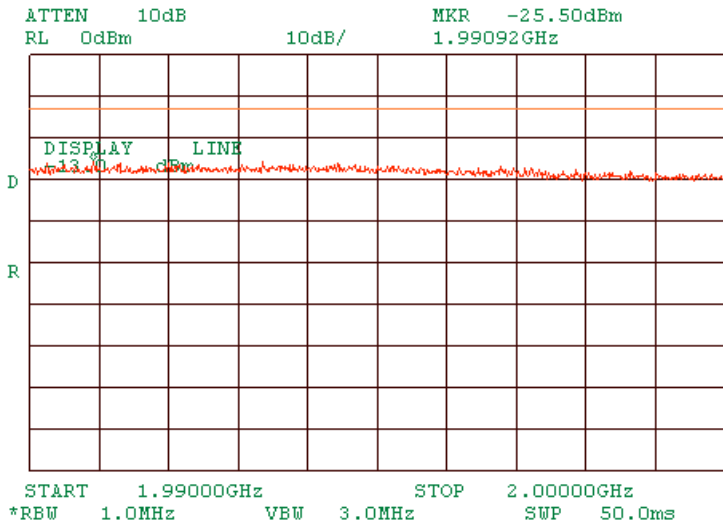
FM transmit mode 30 – 1000 MHz.



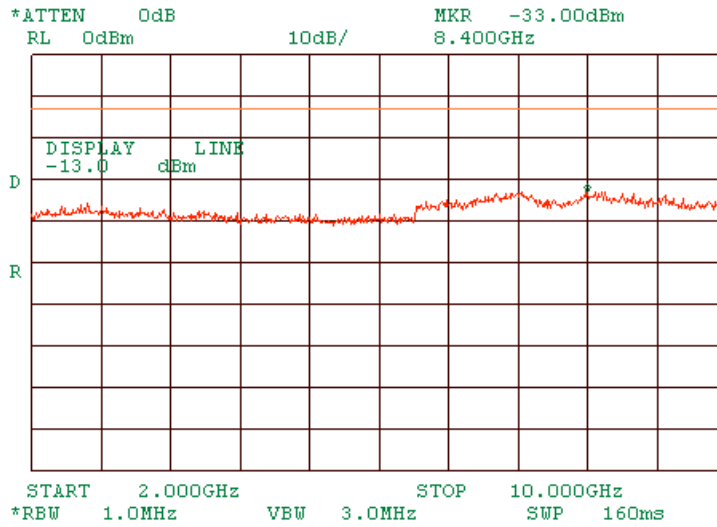
FM transmit mode 1000 – 1930 MHz.



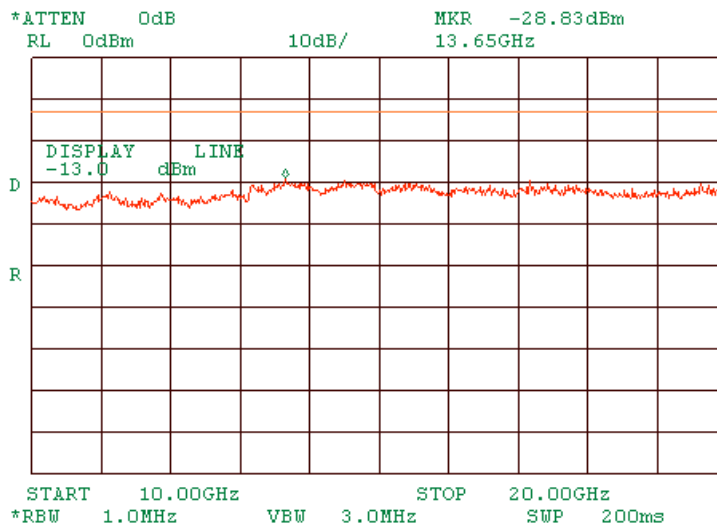
FM transmit mode 1990 – 2000 MHz.



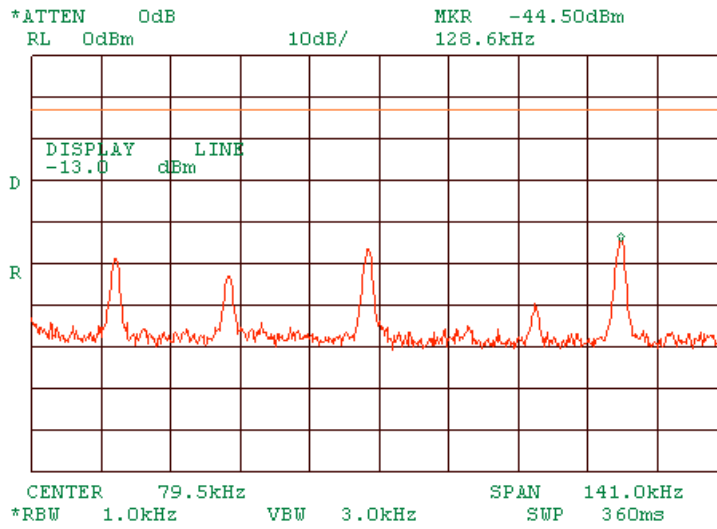
FM transmit mode 2000 – 10000 MHz.



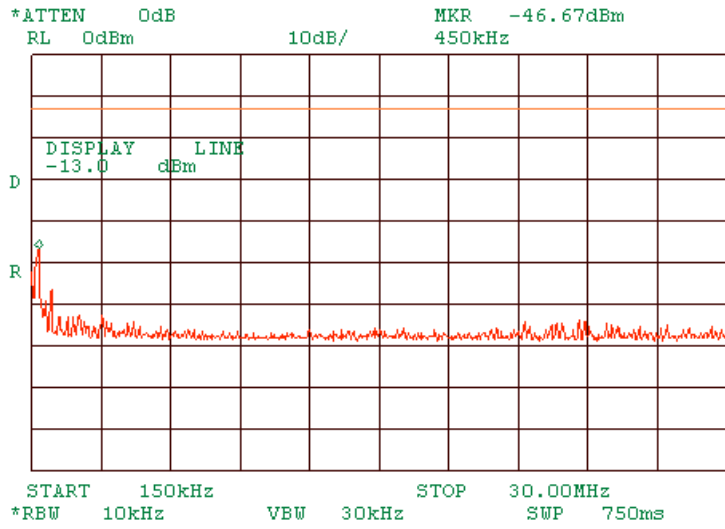
FM transmit mode 10000 – 20000 MHz.



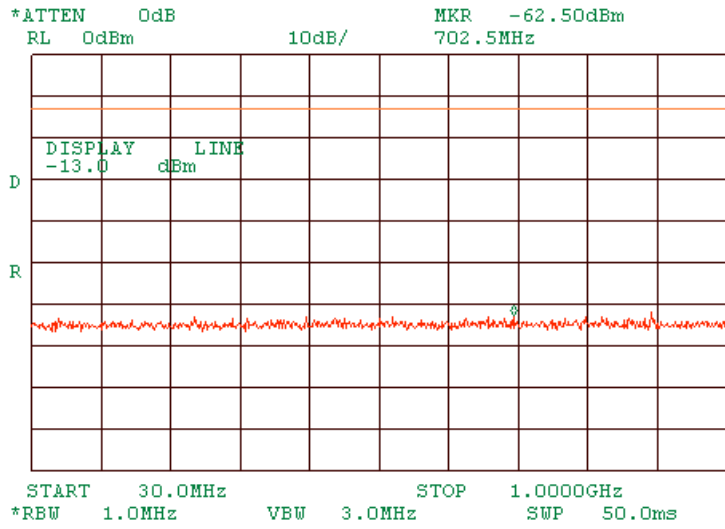
Deviation = 5kHz
Rate = 2500Hz
IP = 10 dBm
FM transmit mode 9 – 150 kHz.



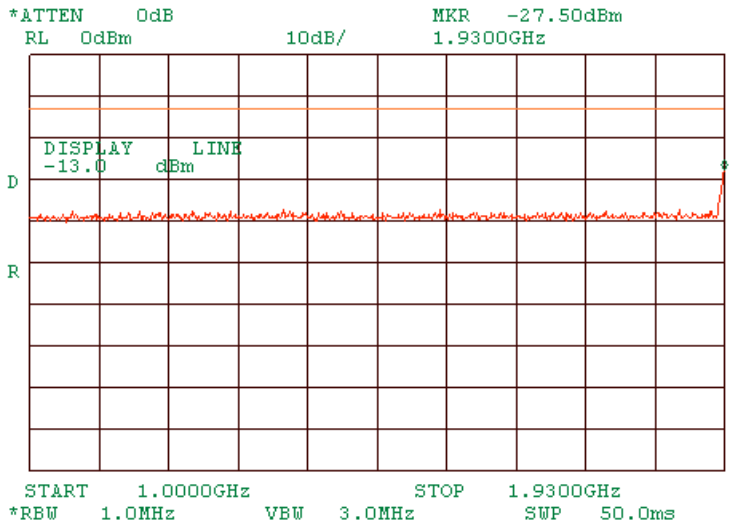
FM transmit mode 0.150 – 30 MHz.



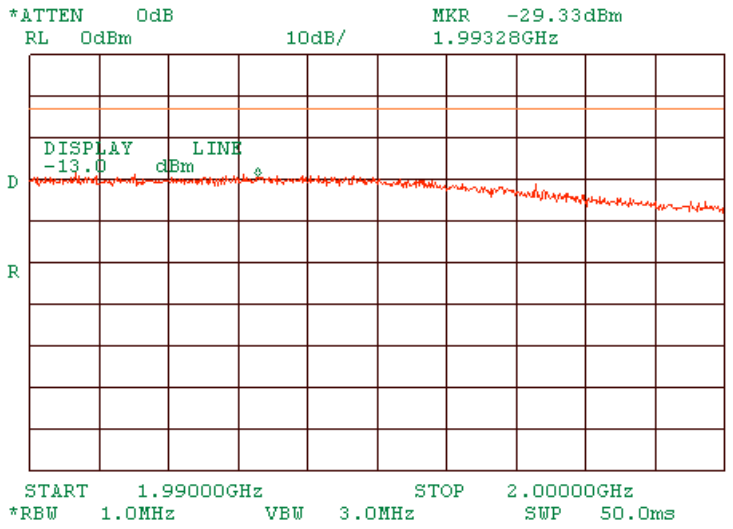
FM transmit mode 30 – 1000 MHz.



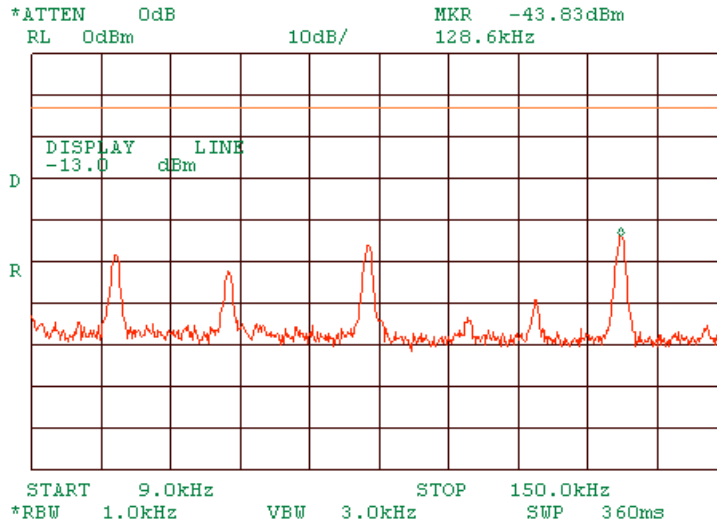
FM transmit mode 1000 – 1930 MHz.



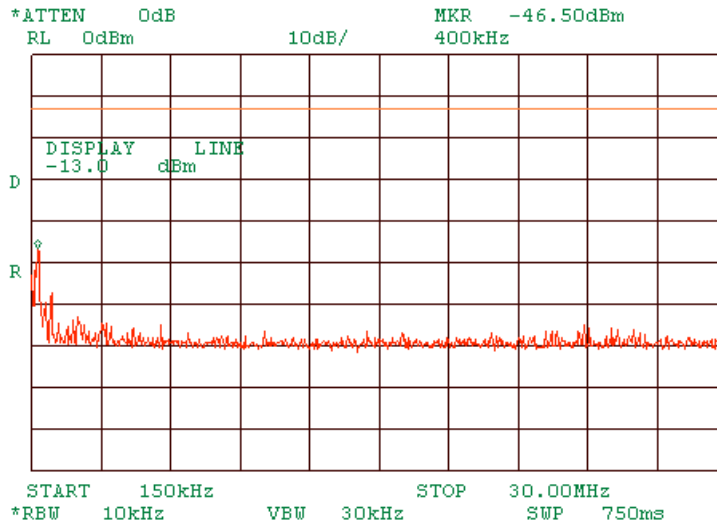
FM transmit mode 1990 – 2000 MHz.



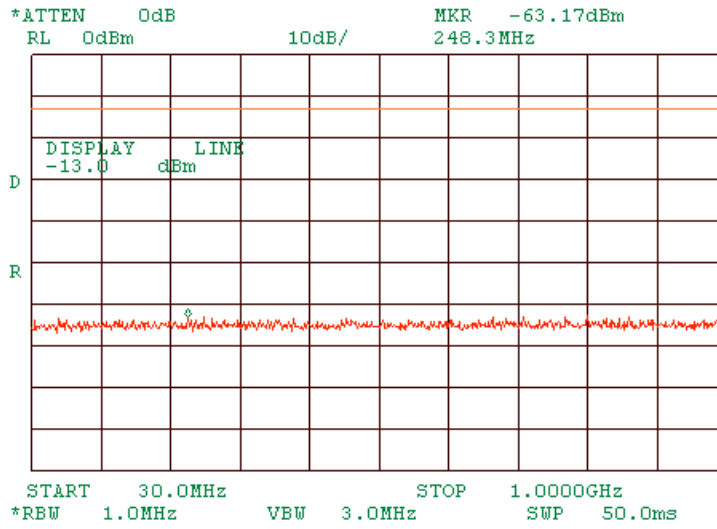
Modulation = OQPSK
Bit Rate = 1.2288 Mbps
IP = 10 dBm
CDMA transmit mode 9 – 150 kHz.



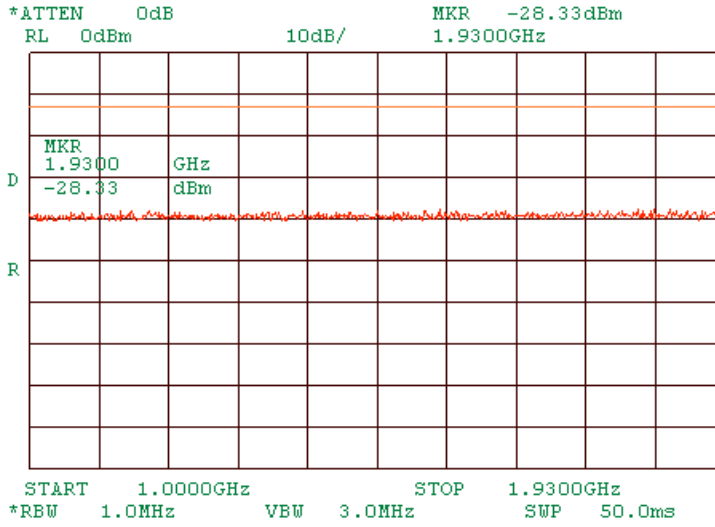
CDMA transmit mode 0.150 – 30 MHz.



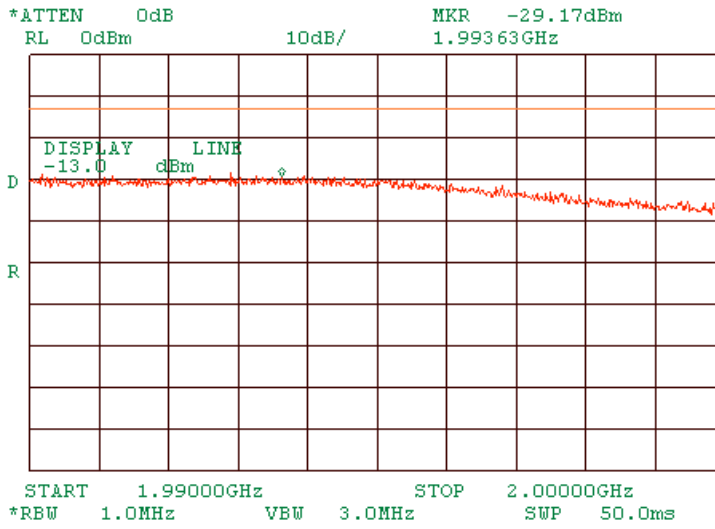
CDMA transmit mode 30 – 1000 MHz.



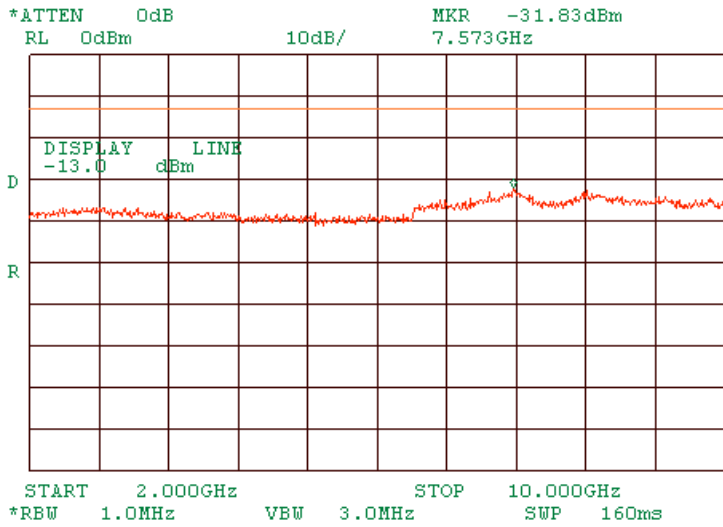
CDMA transmit mode 1000 – 1930 MHz.



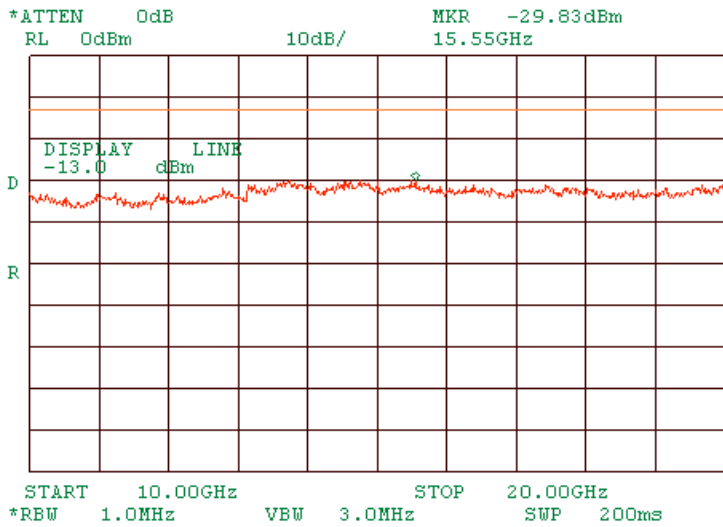
CDMA transmit mode 1990 – 2000 MHz.



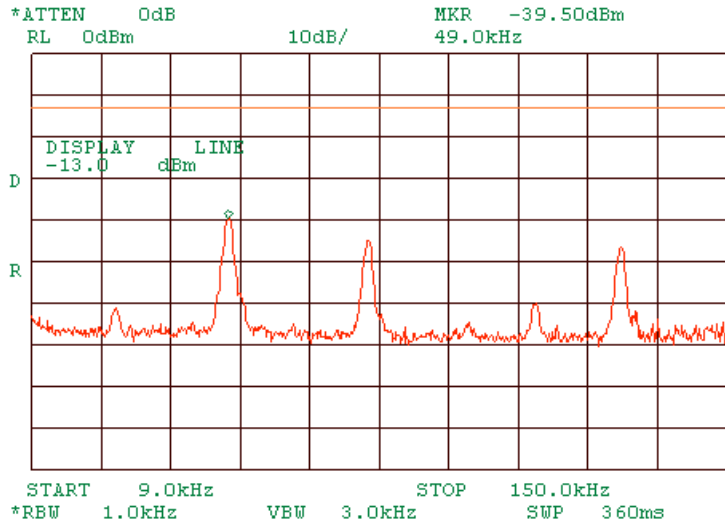
CDMA transmit mode 2000 – 10000 MHz.



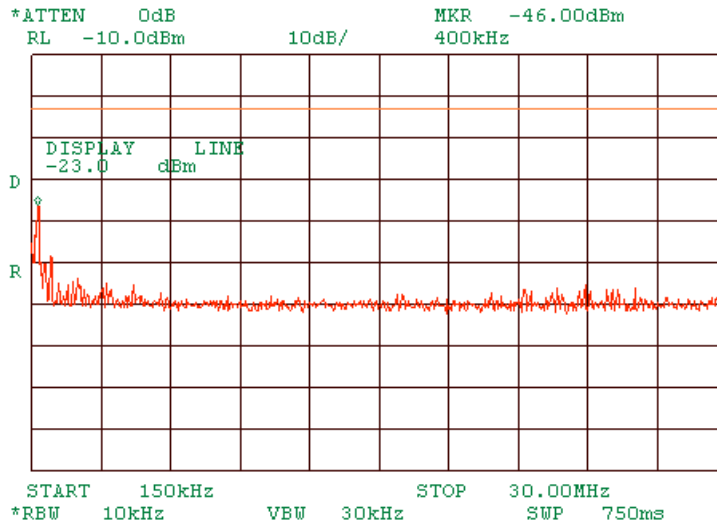
CDMA transmit mode 10000 – 20000 MHz.



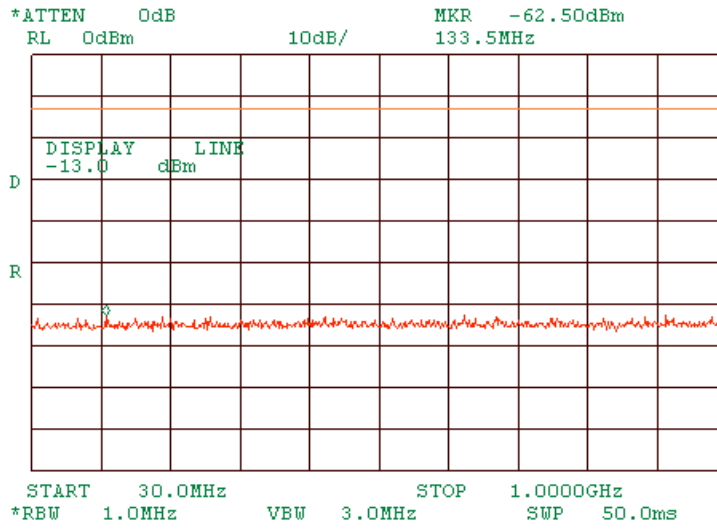
Modulation = OQPSK
Bit Rate = 1.2288 Mbps
IP = 36 dBm
CDMA transmit mode 9 – 150 kHz.



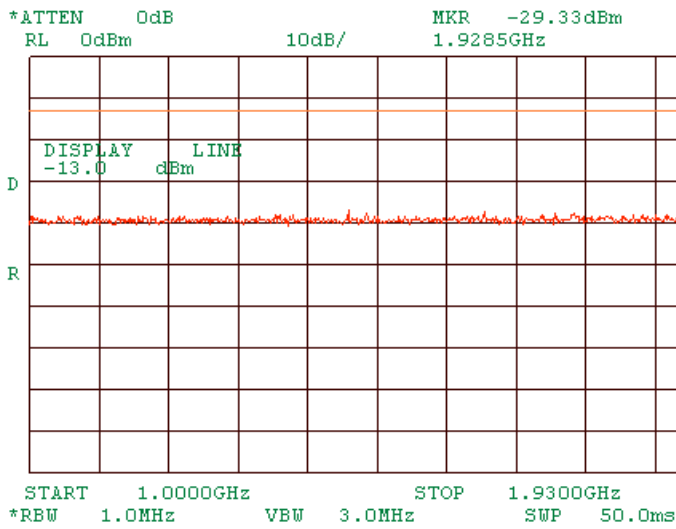
CDMA transmit mode 0.150 – 30 MHz.



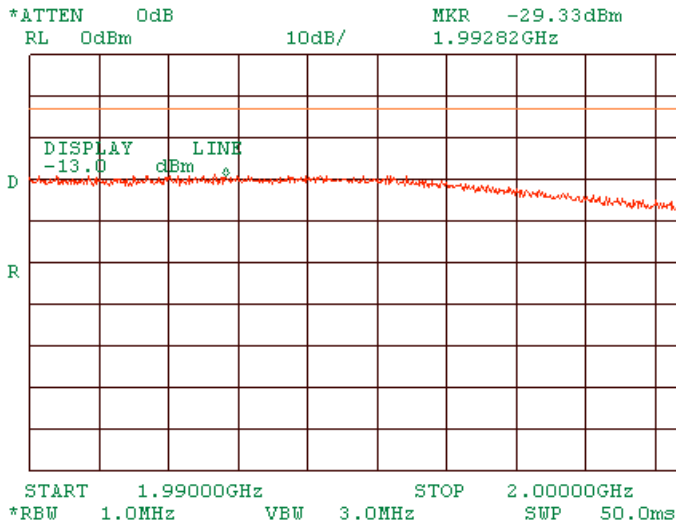
CDMA transmit mode 30 – 1000 MHz.



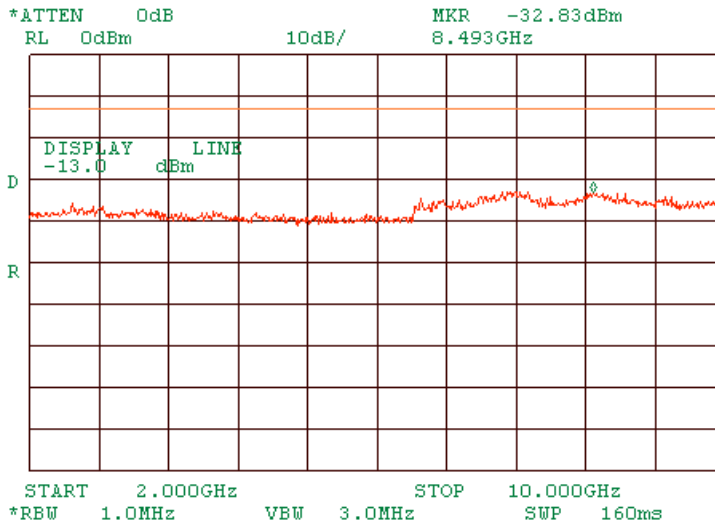
CDMA transmit mode 1000 – 1930 MHz.



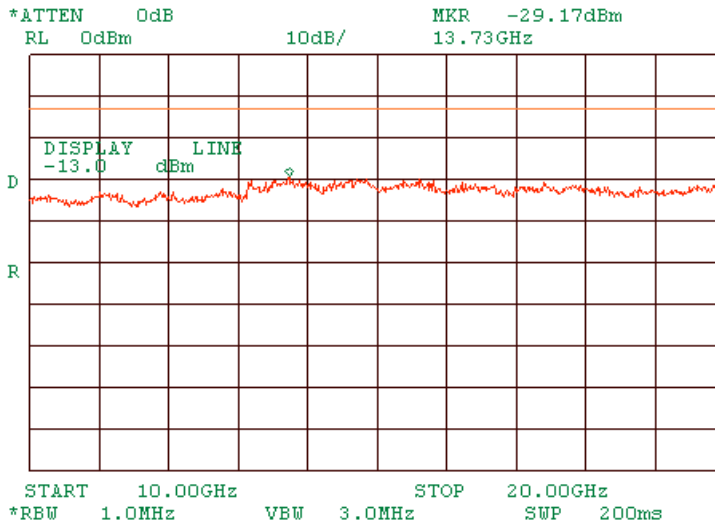
CDMA transmit mode 1990 – 2000 MHz.



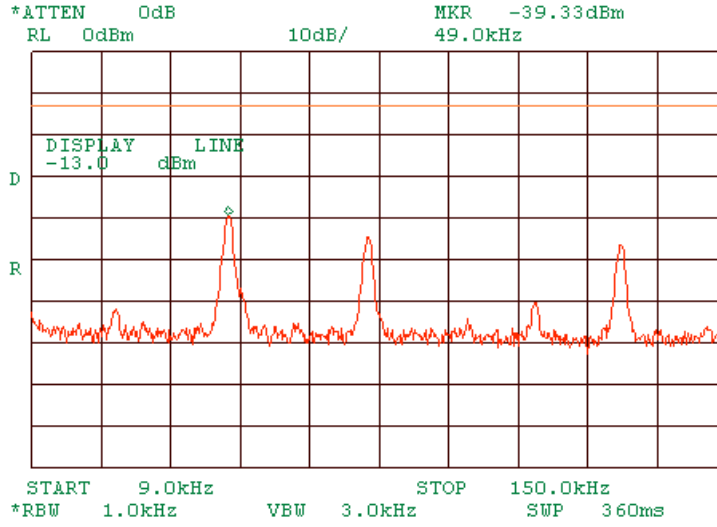
CDMA transmit mode 2000 – 10000 MHz.



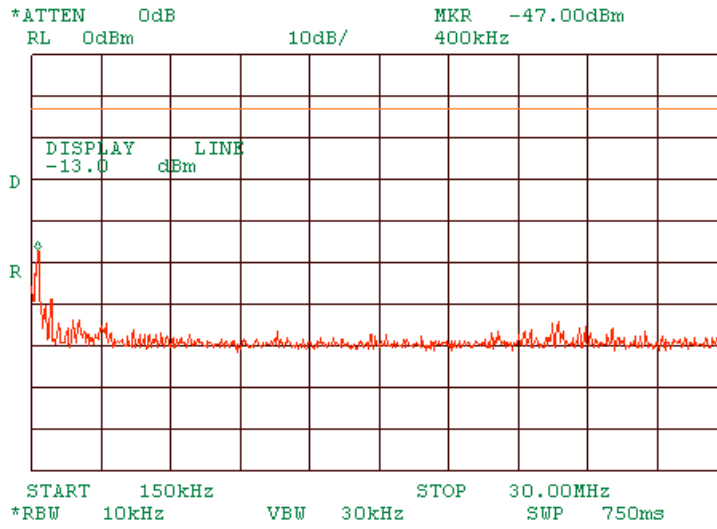
CDMA transmit mode 10000 – 20000 MHz.



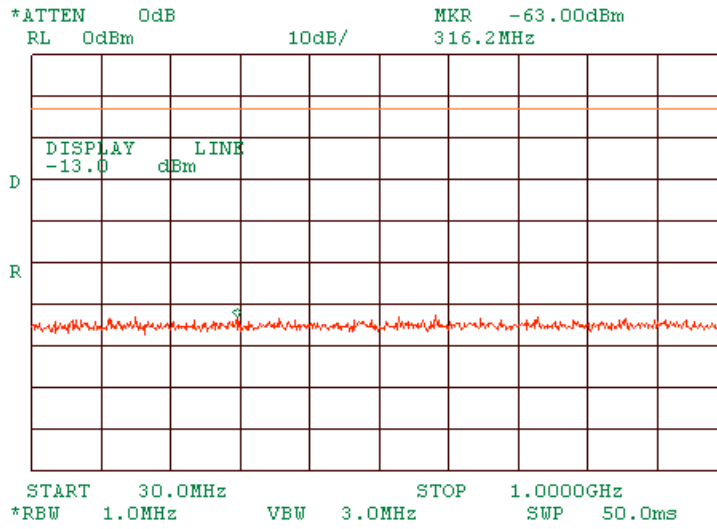
Modulation = QPSK
Bit Rate = 1.2288 Mbps
IP = 36 dBm
CDMA transmit mode 9 – 150 kHz.



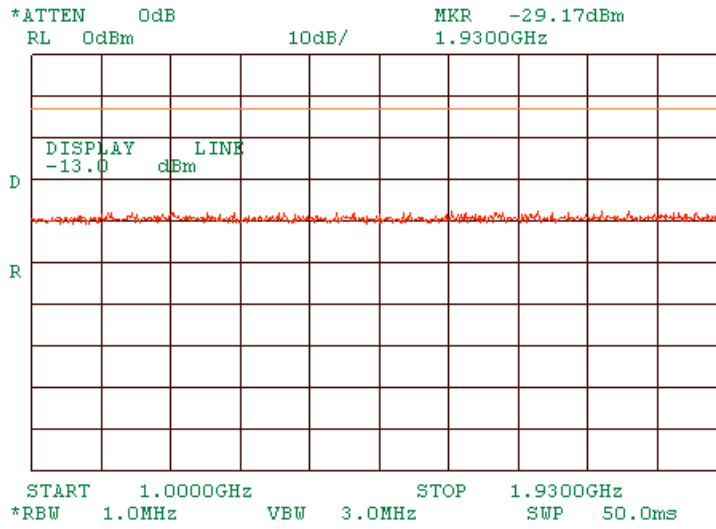
CDMA transmit mode 0.150 – 30 MHz.



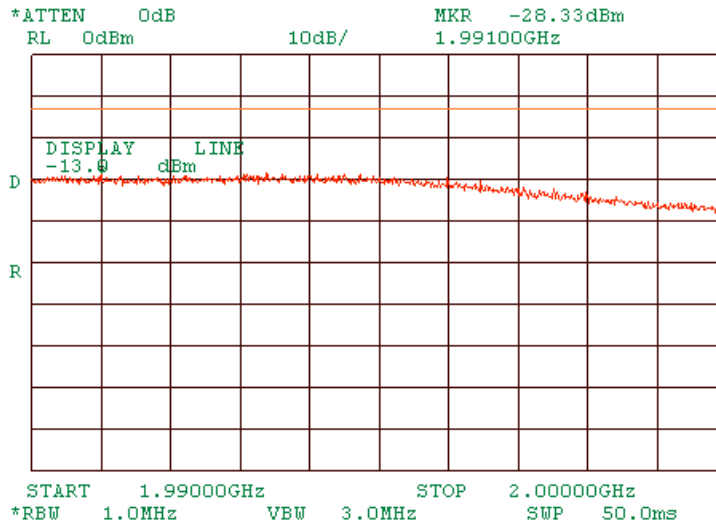
CDMA transmit mode 30 – 1000 MHz.



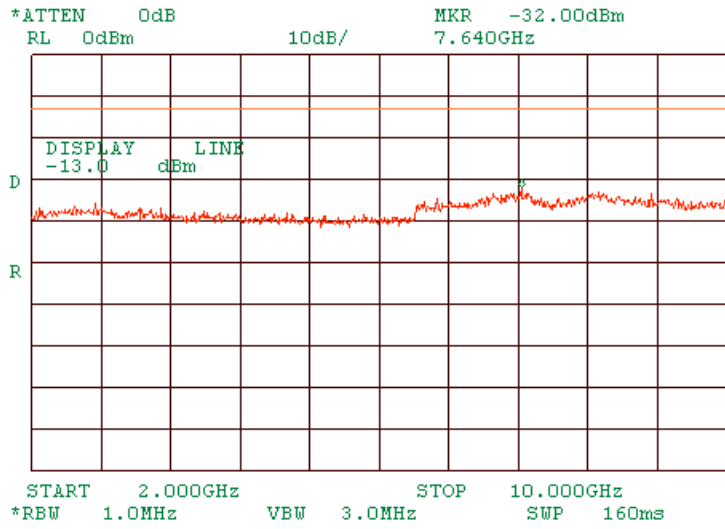
CDMA transmit mode 1000 – 1930 MHz.



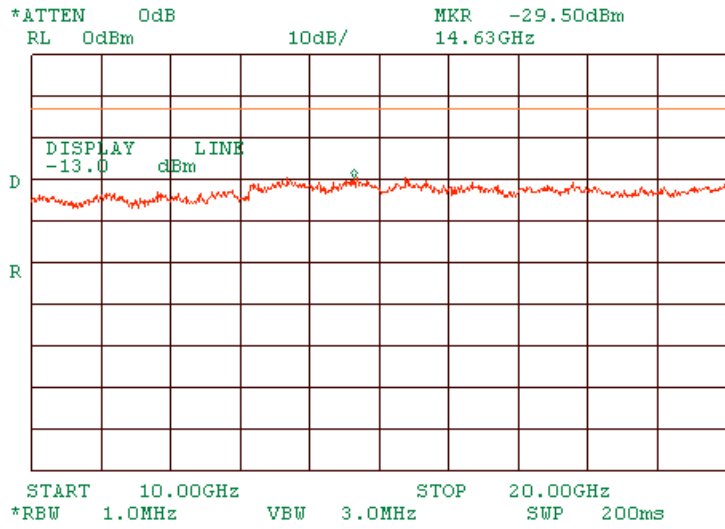
CDMA transmit mode 1990 – 2000 MHz.



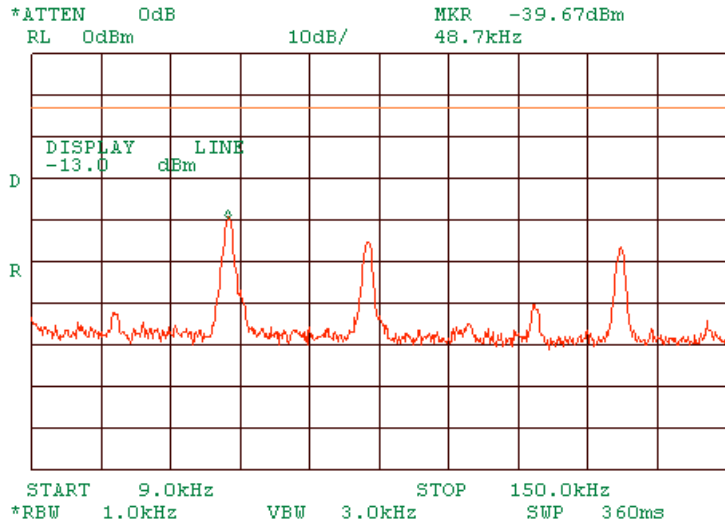
CDMA transmit mode 2000 – 10000 MHz.



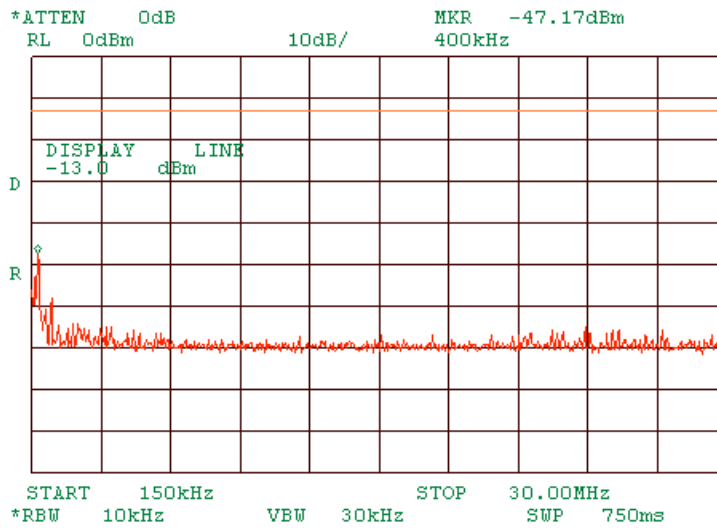
CDMA transmit mode 10000 – 20000 MHz.



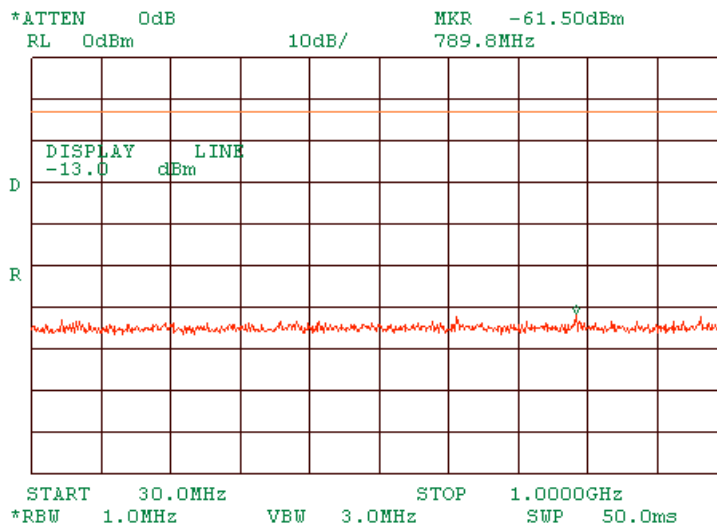
Modulation = QPSK
Bit Rate = 1.2288 Mbps
IP = 10 dBm
CDMA transmit mode 9 – 150 kHz.



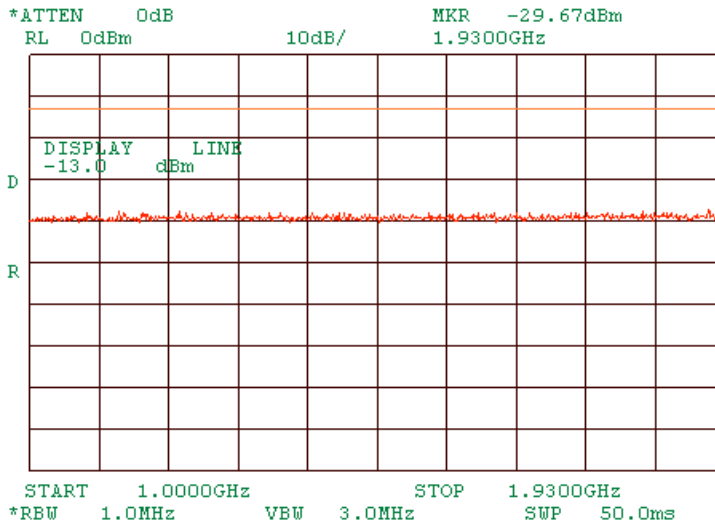
CDMA transmit mode 0.150 – 30 MHz.



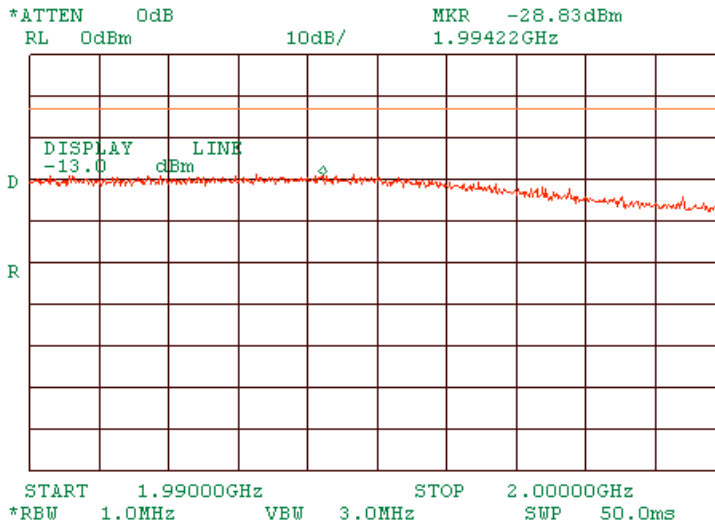
CDMA transmit mode 30 – 1000 MHz.



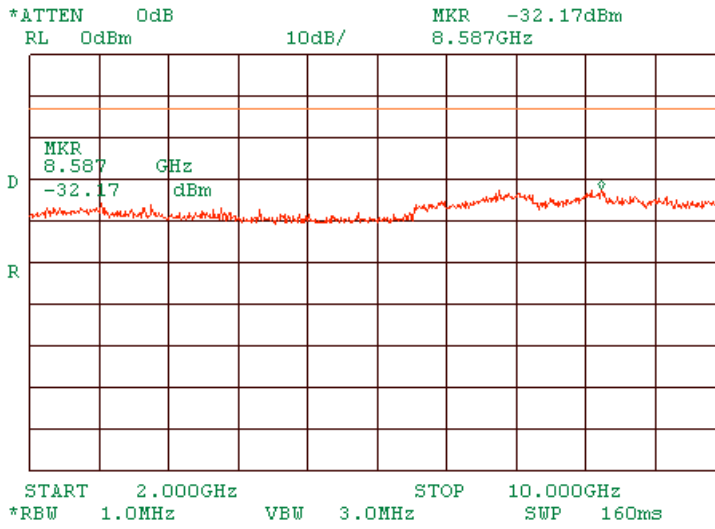
CDMA transmit mode 1000 – 1930 MHz.



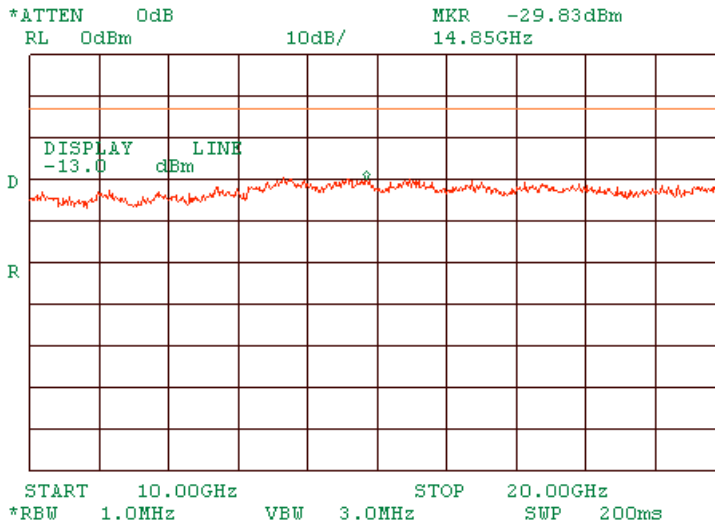
CDMA transmit mode 1990 – 2000 MHz.



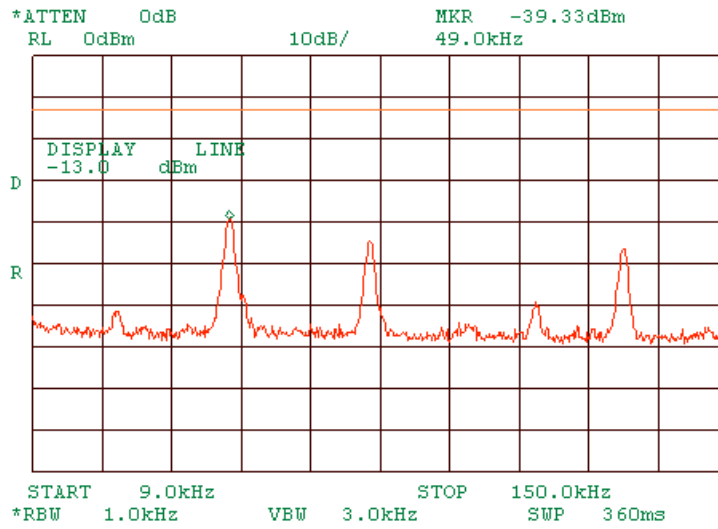
CDMA transmit mode 2000 – 10000 MHz.



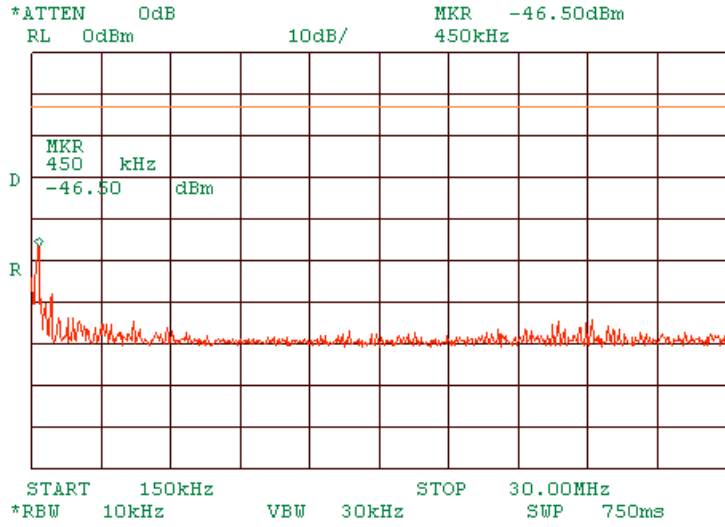
CDMA transmit mode 10000 – 20000 MHz.



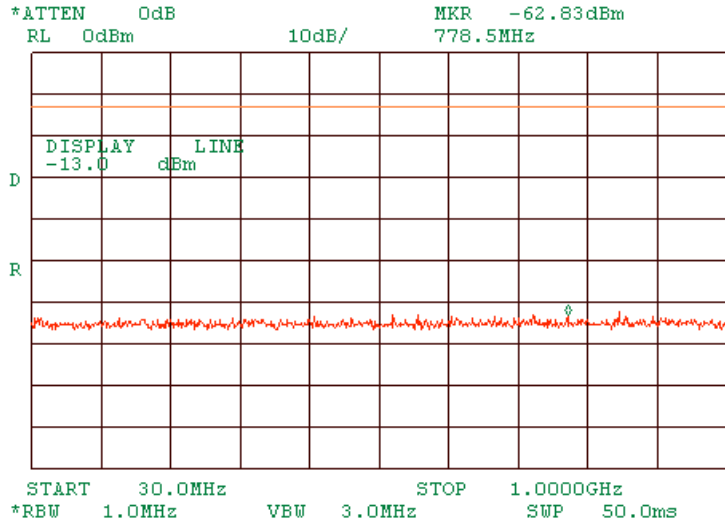
Modulation = PI/4 DQPSK
 Bit Rate = 48.6 kbps
 IP = 10 dBm
 TDMA transmit mode 9 – 150 kHz.



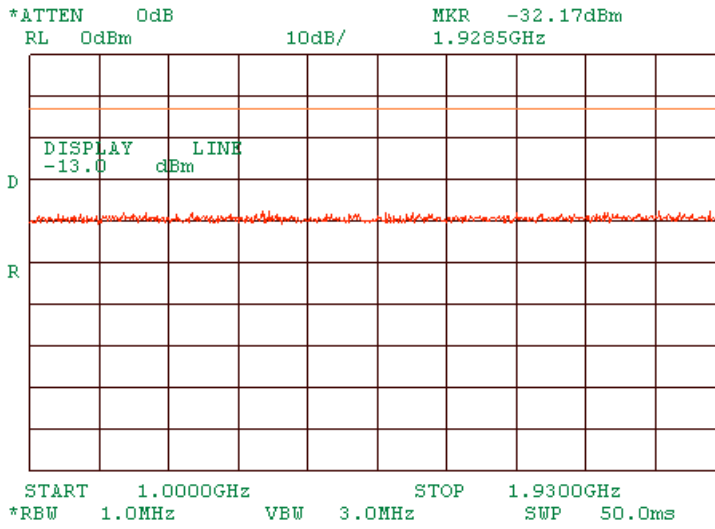
TDMA transmit mode 0.150 – 30 MHz.



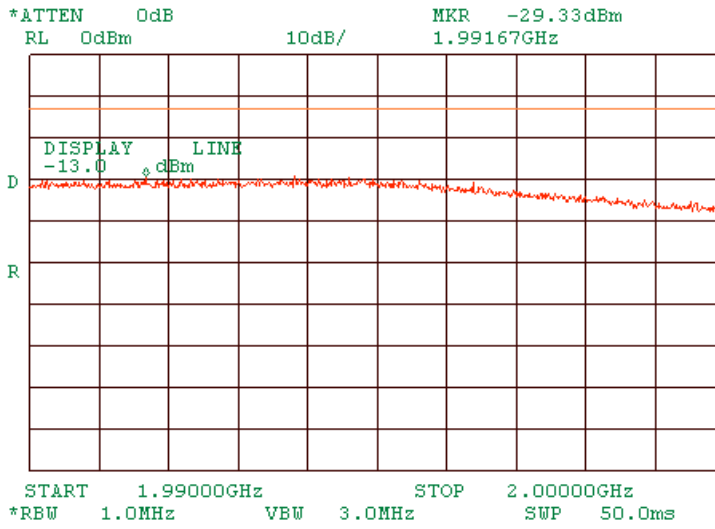
TDMA transmit mode 30 – 1000 MHz.



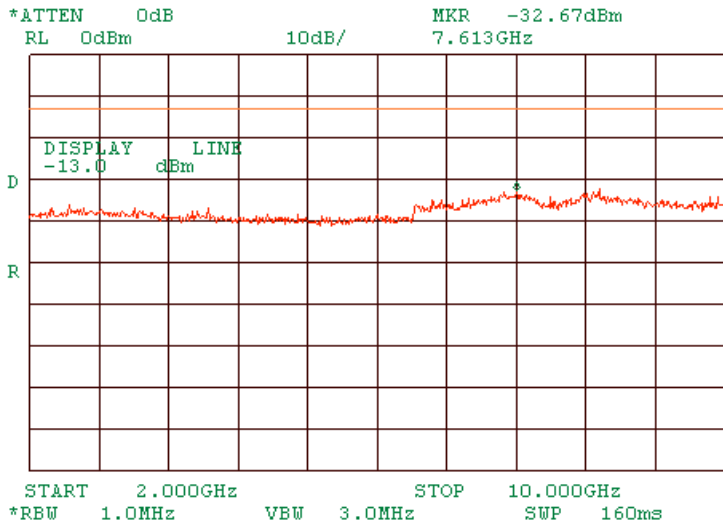
TDMA transmit mode 1000 – 1930 MHz.



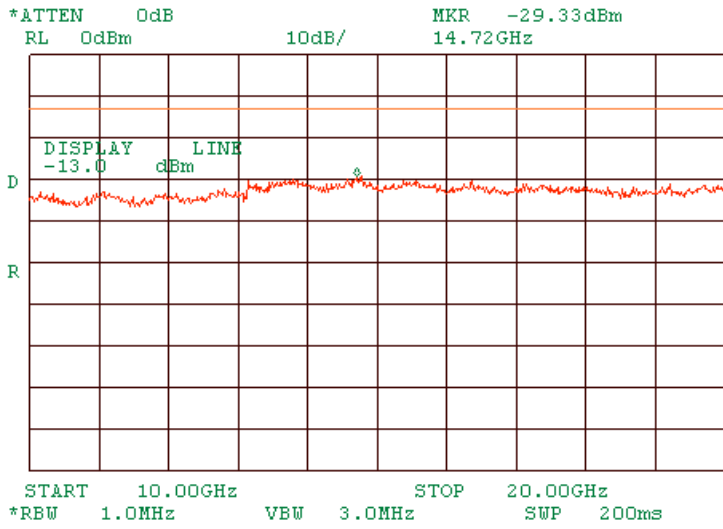
TDMA transmit mode 1990 – 2000 MHz.



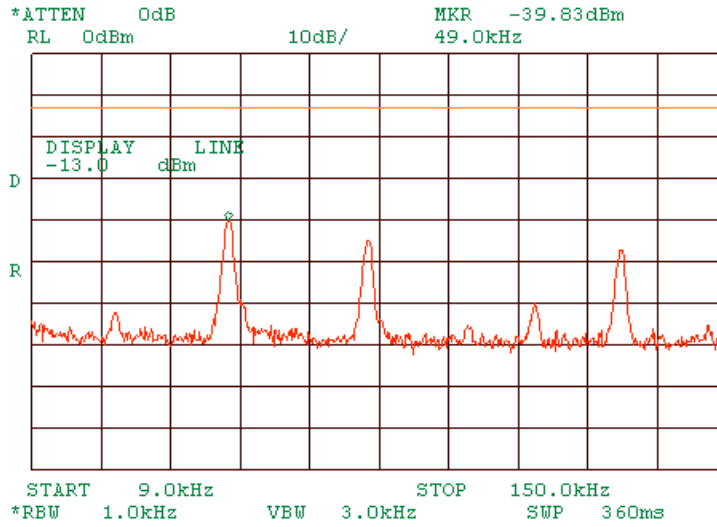
TDMA transmit mode 2000 – 10000 MHz.



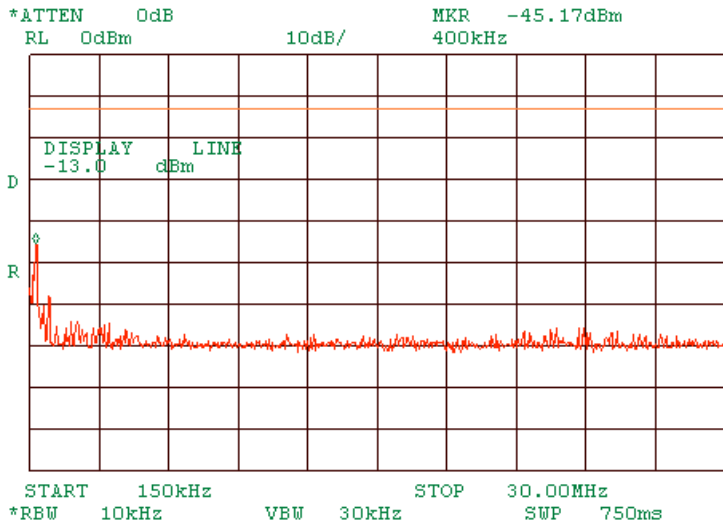
TDMA transmit mode 10000 – 20000 MHz.



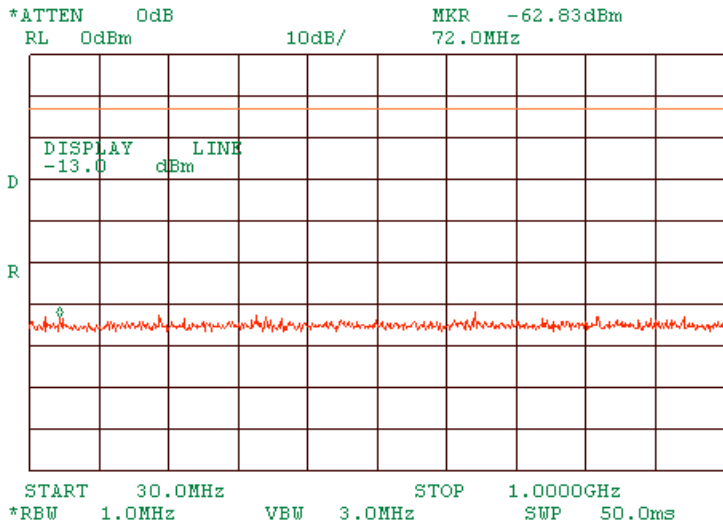
Modulation = PI/4 DQPSK
Bit Rate = 48.6 kbps
IP = 36 dBm
TDMA transmit mode 9 – 150 kHz.



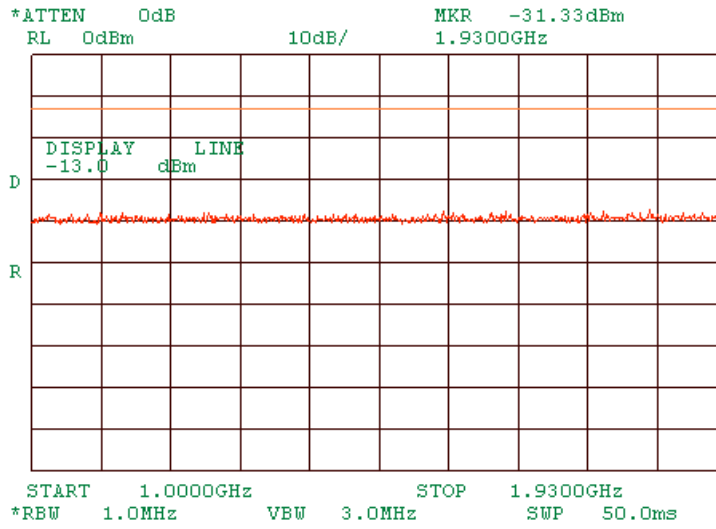
TDMA transmit mode 0.150 – 30 MHz.



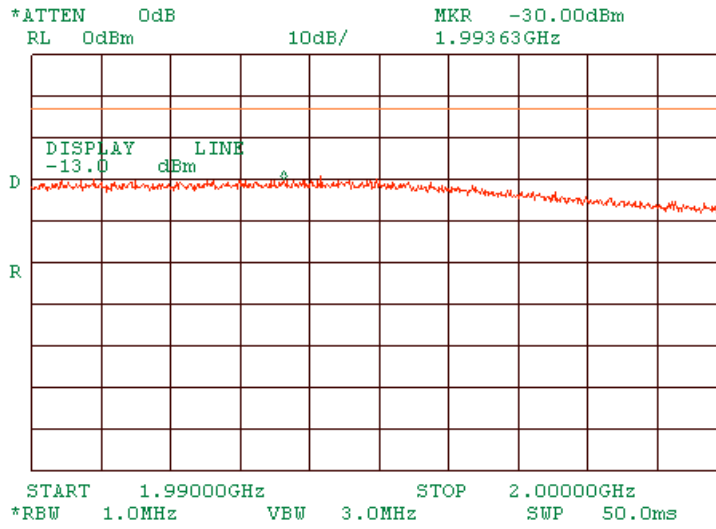
TDMA transmit mode 30 – 1000 MHz.



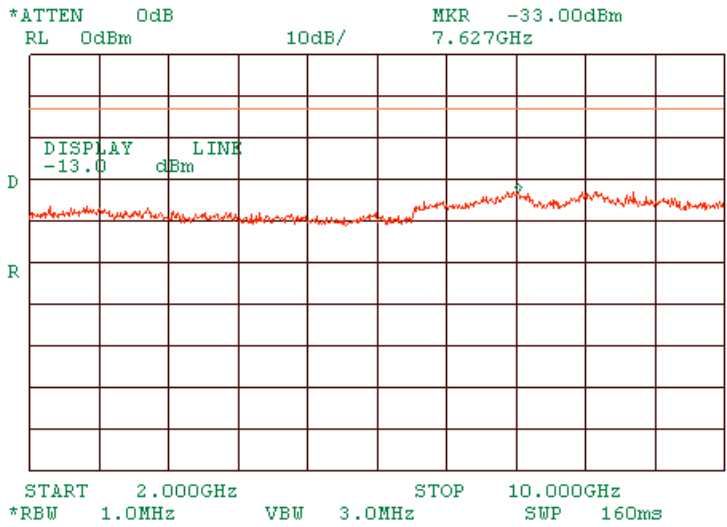
TDMA transmit mode 1000 – 1930 MHz.



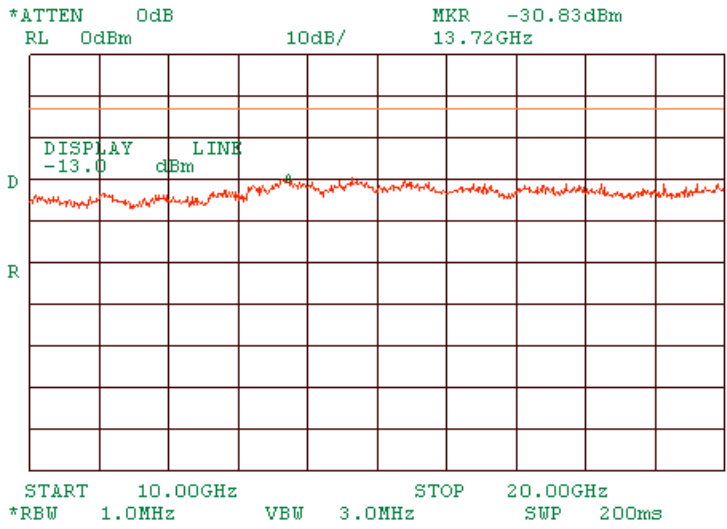
TDMA transmit mode 1990 – 2000 MHz.



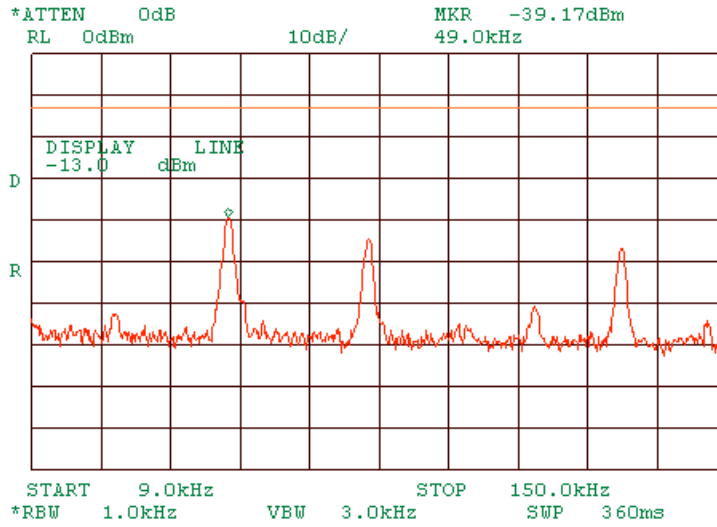
TDMA transmit mode 2000 – 10000 MHz.



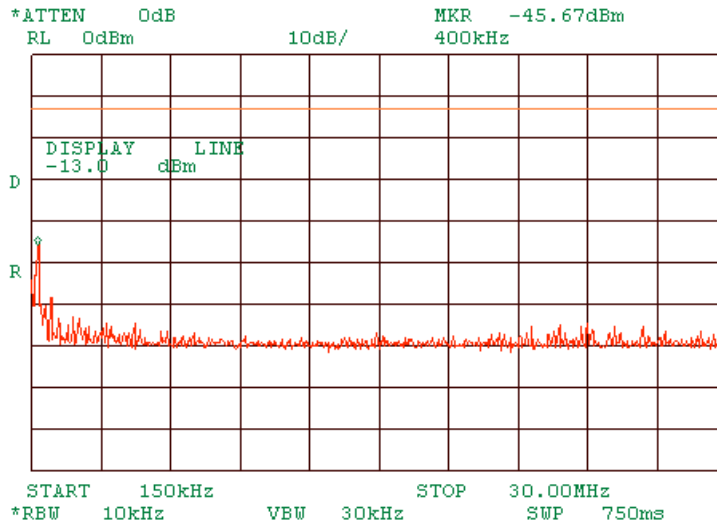
TDMA transmit mode 10000 – 20000 MHz.



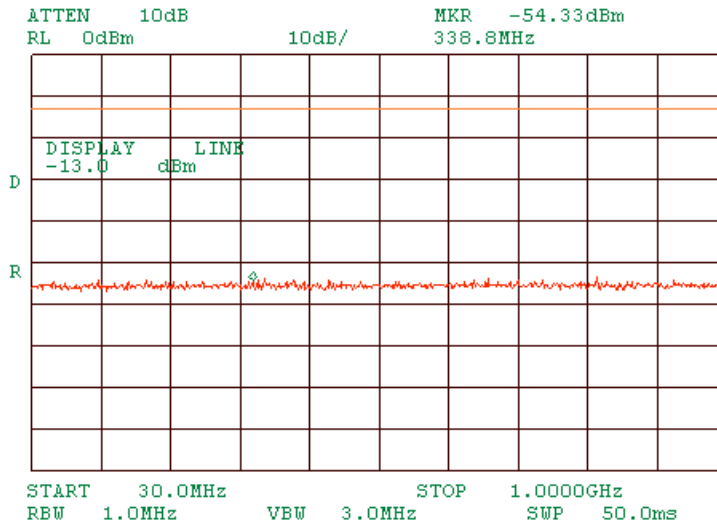
Modulation = GMSK
Bit Rate = 270.833 kbps
IP = 36 dBm
GSM transmit mode 9 – 150 kHz.



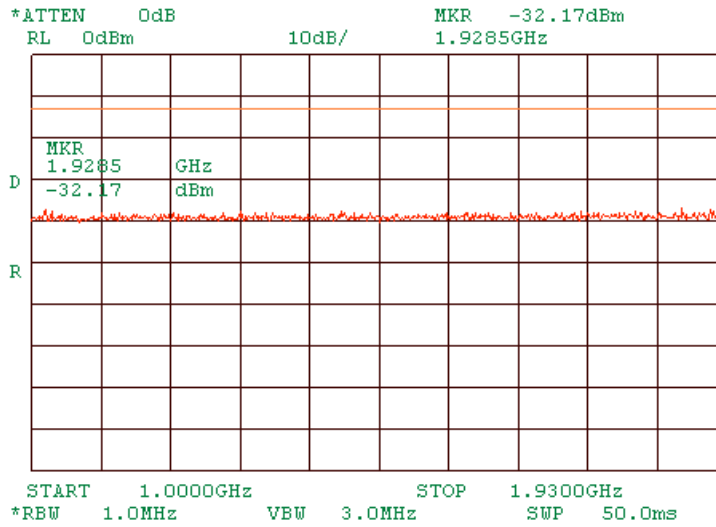
GSM transmit mode 0.150 – 30 MHz.



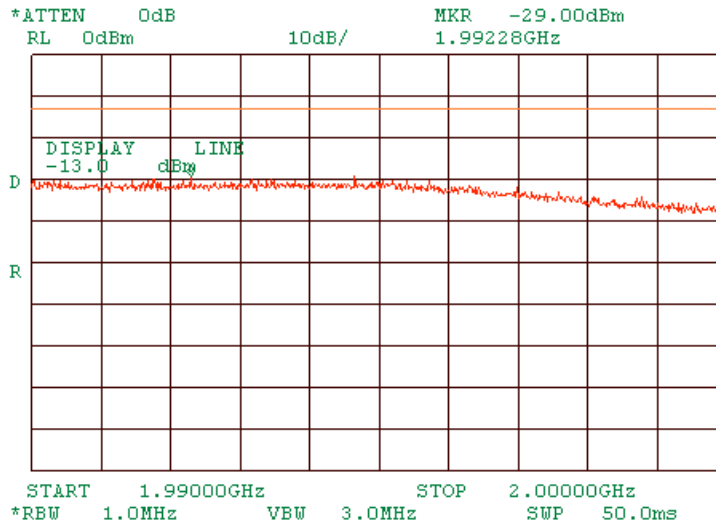
GSM transmit mode 30 – 1000 MHz.



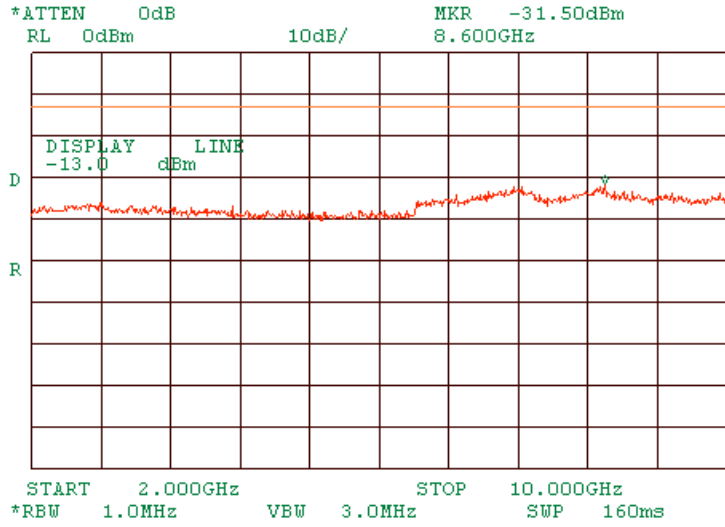
GSM transmit mode 1000 – 1930 MHz.



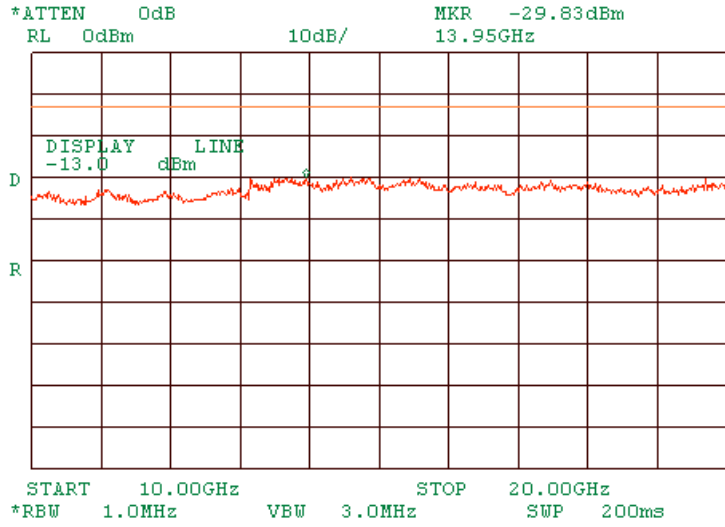
GSM transmit mode 1990 – 2000 MHz.



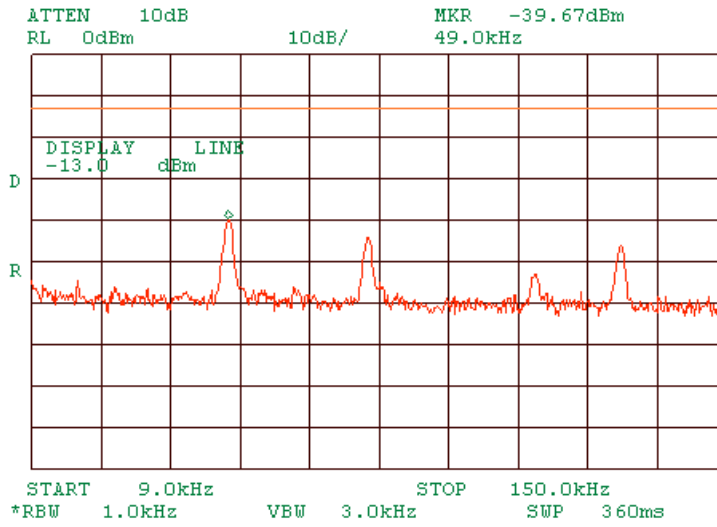
GSM transmit mode 2000 – 10000 MHz.



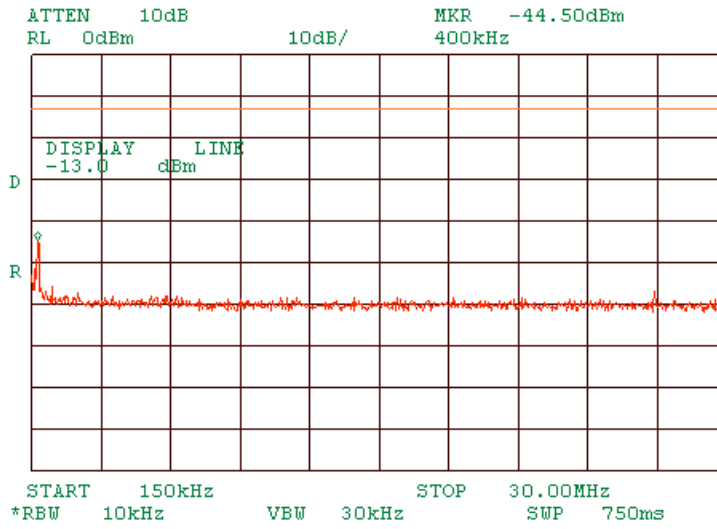
GSM transmit mode 10000 – 20000 MHz.



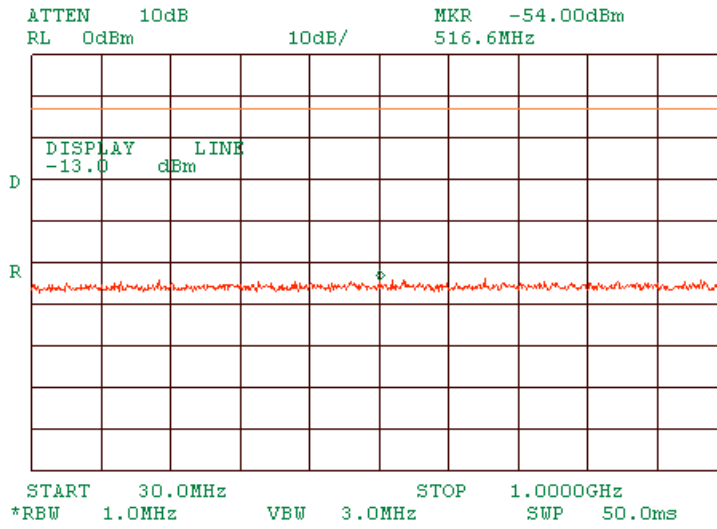
Modulation = GMSK
Bit Rate = 270.833 kbps
IP = 10 dBm
GSM transmit mode 9 – 150 kHz.



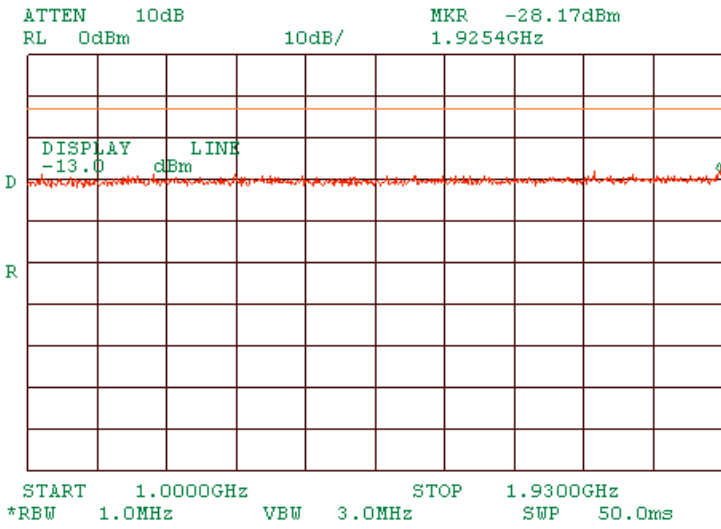
GSM transmit mode 0.150 – 30 MHz.



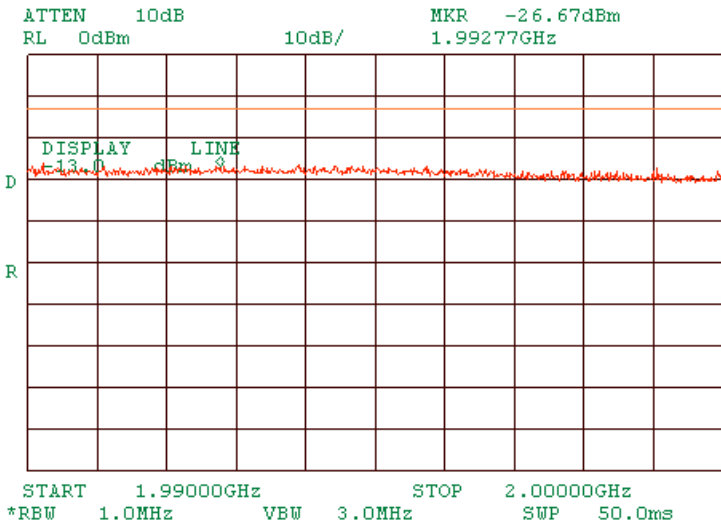
GSM transmit mode 30 – 1000 MHz.



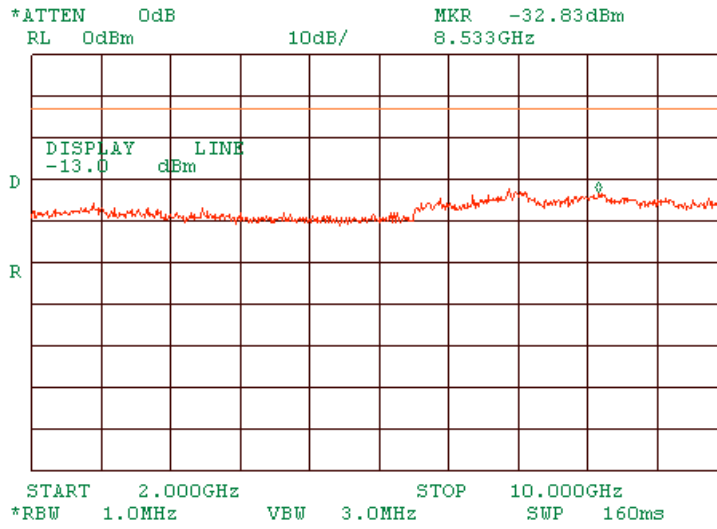
GSM transmit mode 1000 – 1930 MHz.



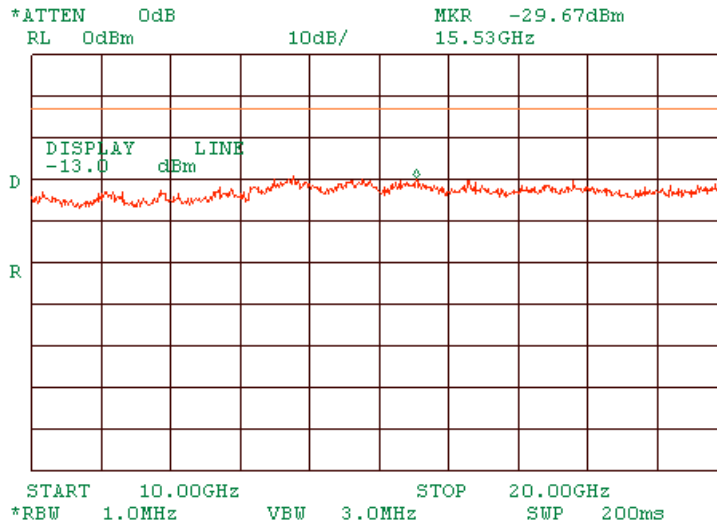
GSM transmit mode 1990 – 2000 MHz.



GSM transmit mode 2000 – 10000 MHz.



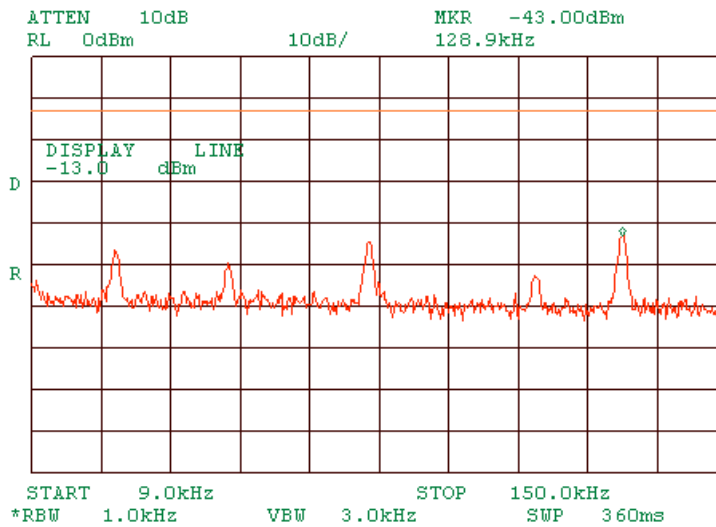
GSM transmit mode 10000 – 20000 MHz.



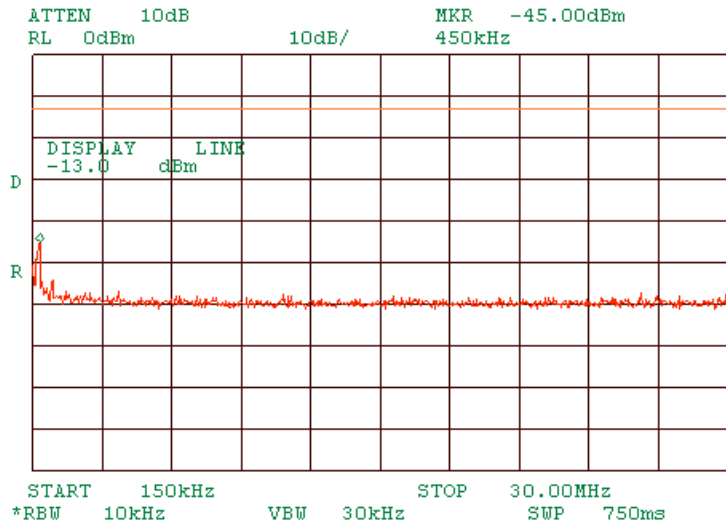
Date 17 May 2004
Test Conducted spurious emissions
Project 15867, Mobile Access 1200 + Mobile Access 1000
Humidity 43%
Temperature 23C
Air pressure 1009hPa
Test equipment 1424, 2399, 1097, 2524
Assigned band Downlink: 1930 – 1990MHz Uplink:1850 – 1910MHz
IP = input power
Op = output power
G = gain
Mod = input modulation

Conducted spurious emissions DOWNLINK

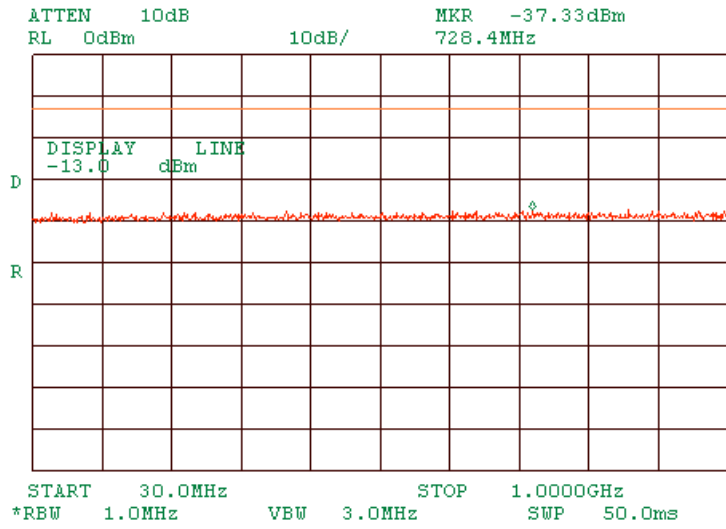
Deviation = 5kHz
Rate = 2500Hz
IP = 36 dBm
FM transmit mode 9 – 150 kHz.



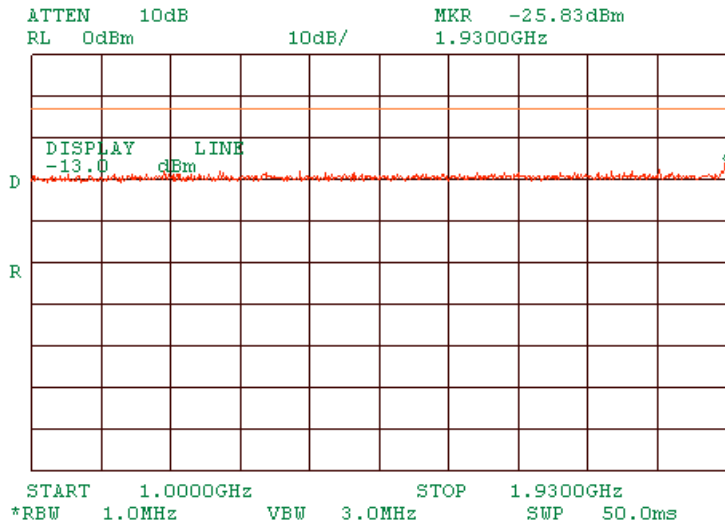
FM transmit mode 0.150 – 30 MHz.



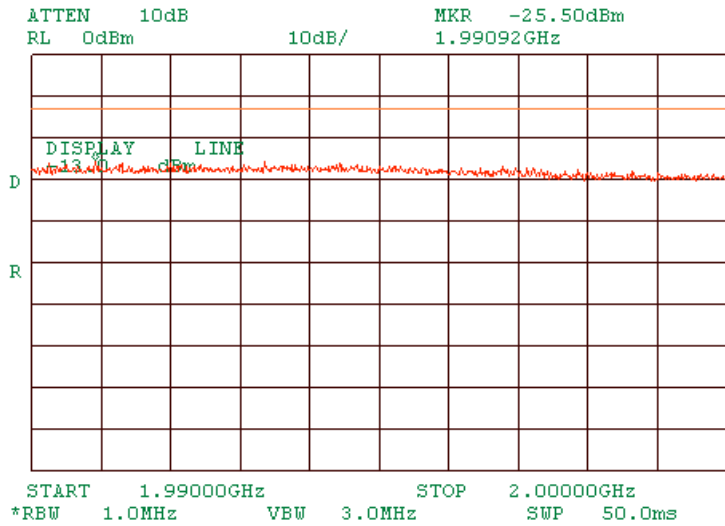
FM transmit mode 30 – 1000 MHz.



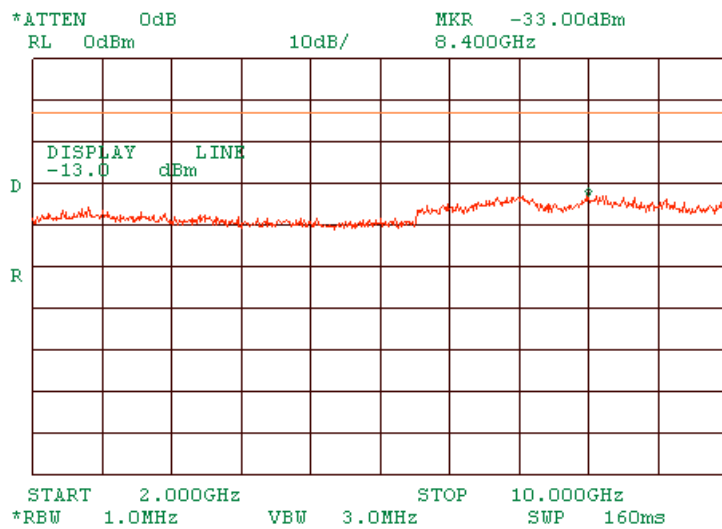
FM transmit mode 1000 – 1930 MHz.



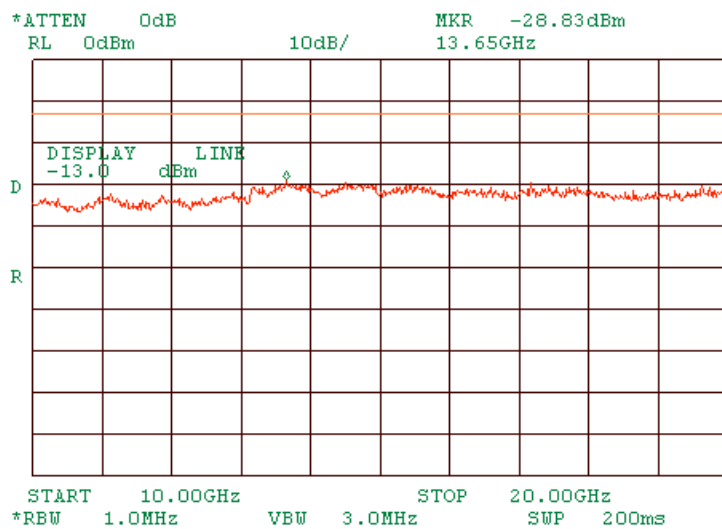
FM transmit mode 1990 – 2000 MHz.



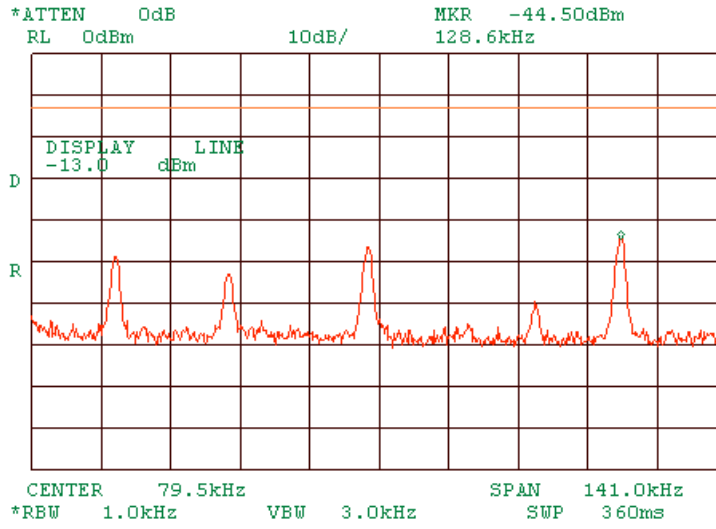
FM transmit mode 2000 – 10000 MHz.



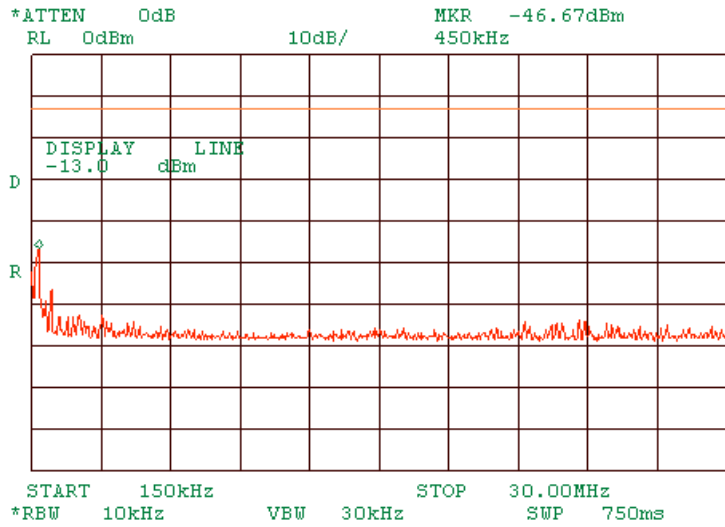
FM transmit mode 10000 – 20000 MHz.



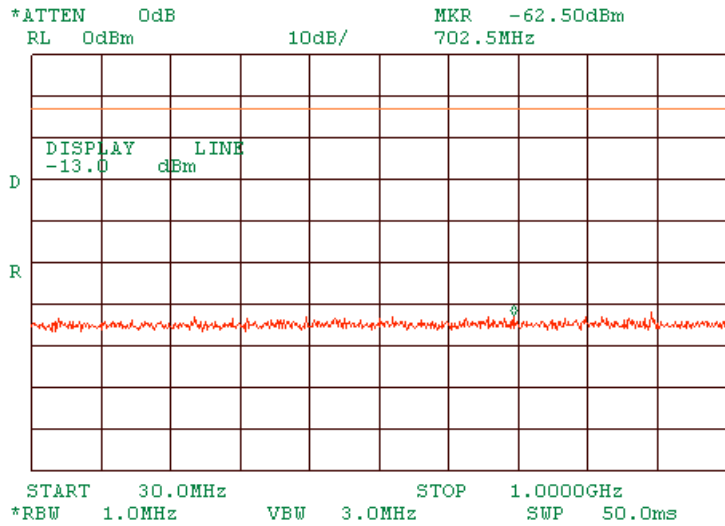
Deviation = 5kHz
Rate = 2500Hz
IP = 10 dBm
FM transmit mode 9 – 150 kHz.



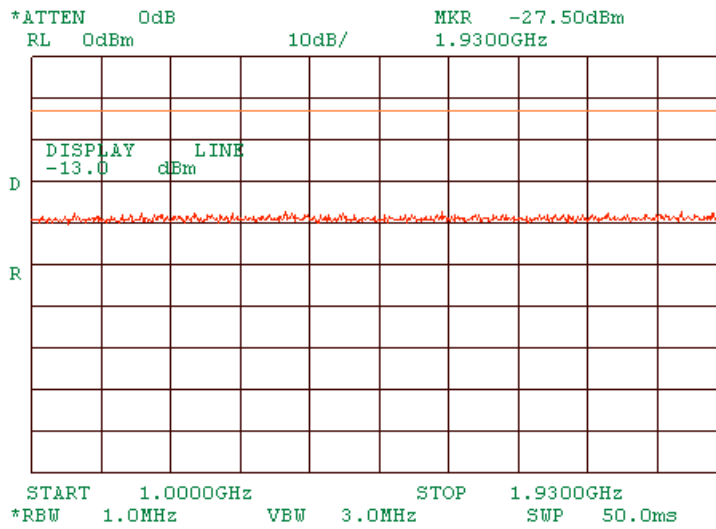
FM transmit mode 0.150 – 30 MHz.



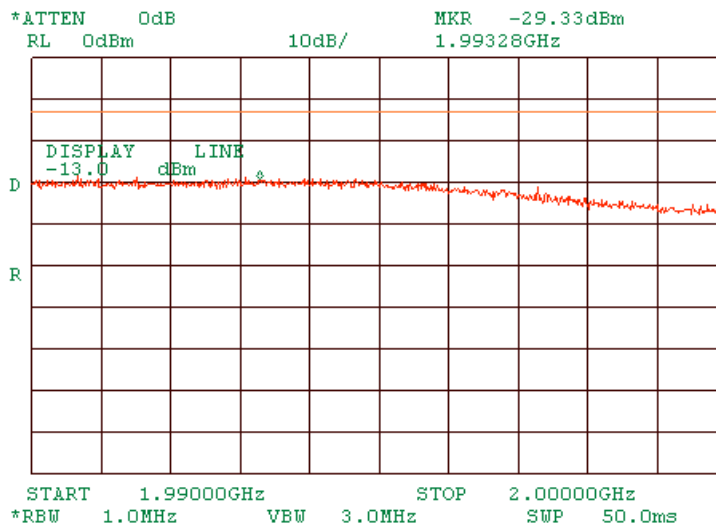
FM transmit mode 30 – 1000 MHz.



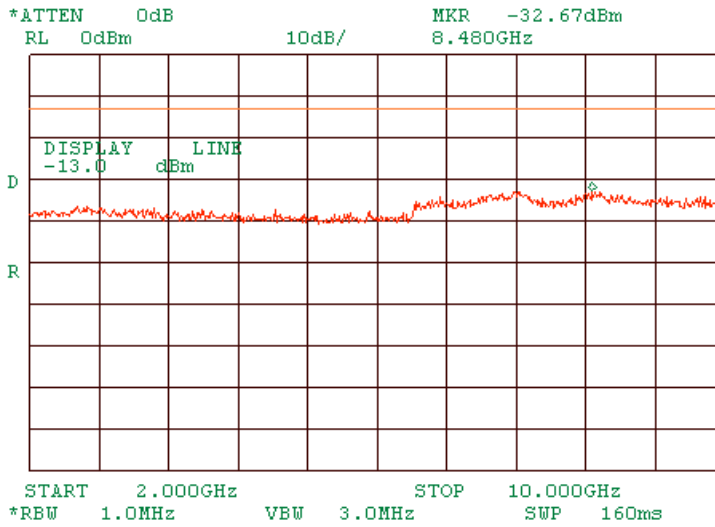
FM transmit mode 1000 – 1930 MHz.



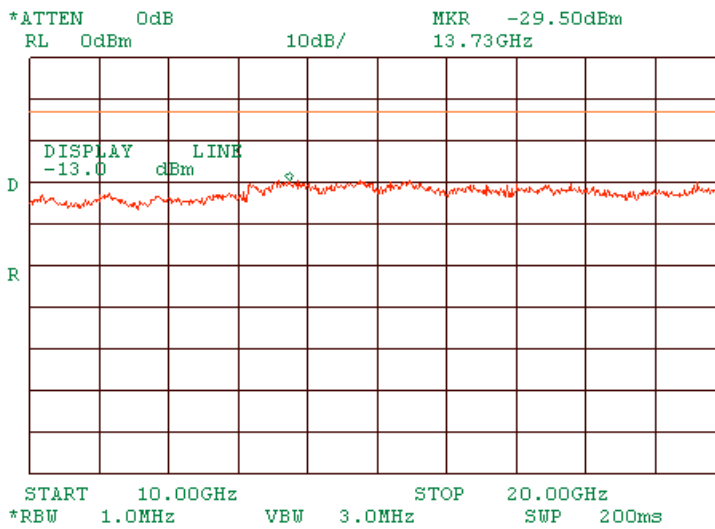
FM transmit mode 1990 – 2000 MHz.



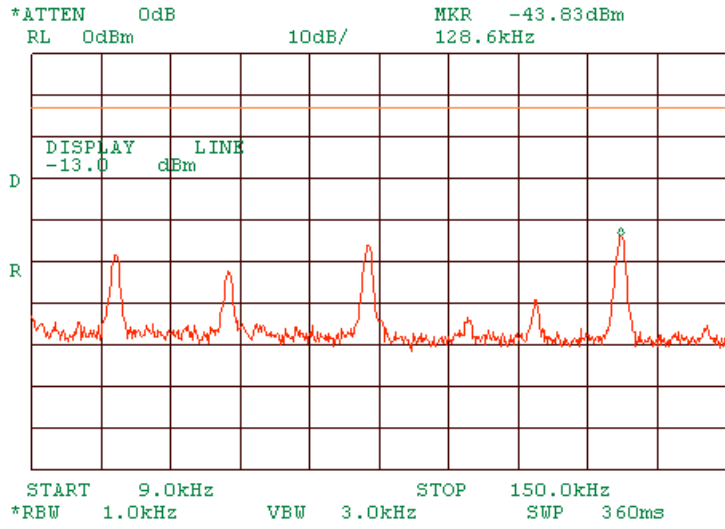
FM transmit mode 2000 – 10000 MHz.



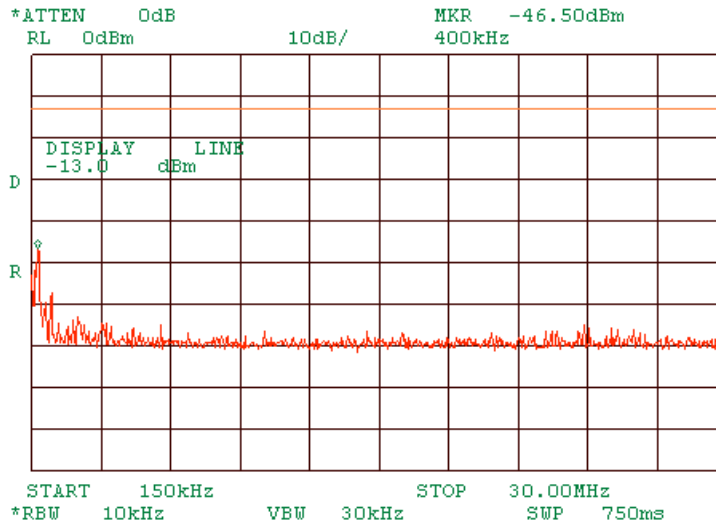
FM transmit mode 10000 – 20000 MHz.



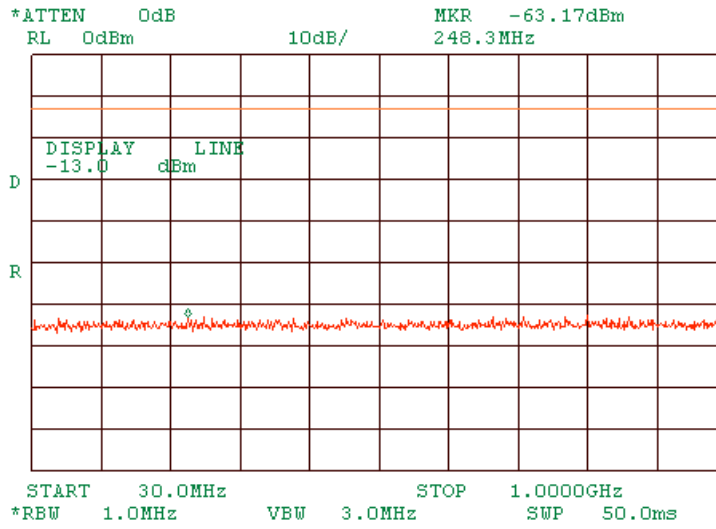
Modulation = OQPSK
Bit Rate = 1.2288 Mbps
IP = 10 dBm
CDMA transmit mode 9 – 150 kHz.



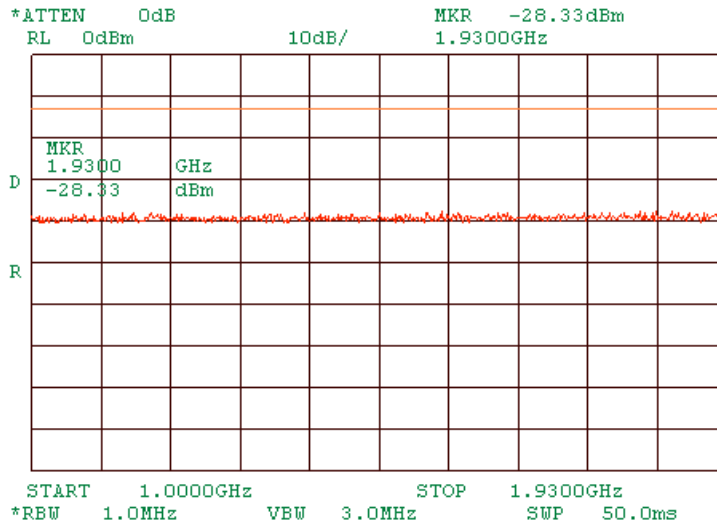
CDMA transmit mode 0.150 – 30 MHz.



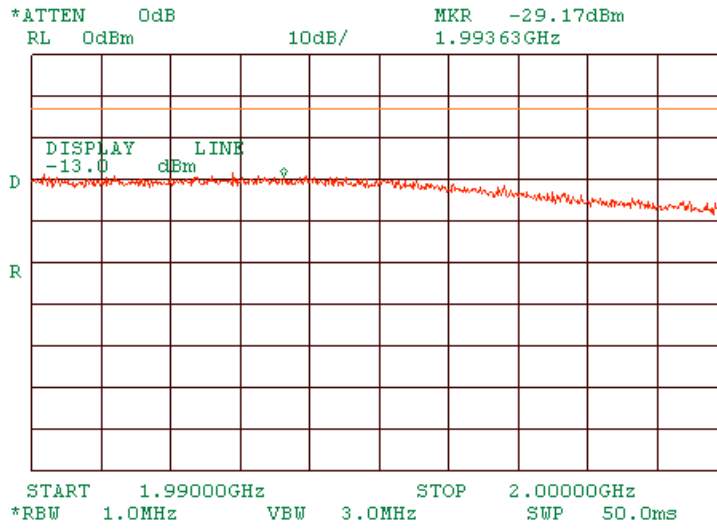
CDMA transmit mode 30 – 1000 MHz.



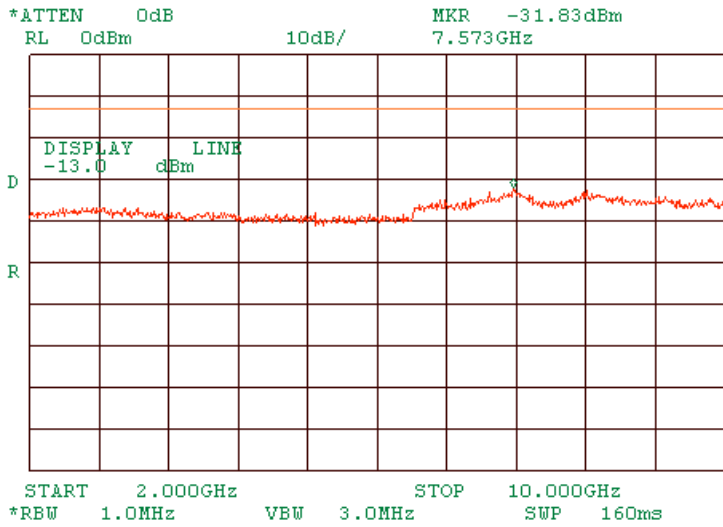
CDMA transmit mode 1000 – 1930 MHz.



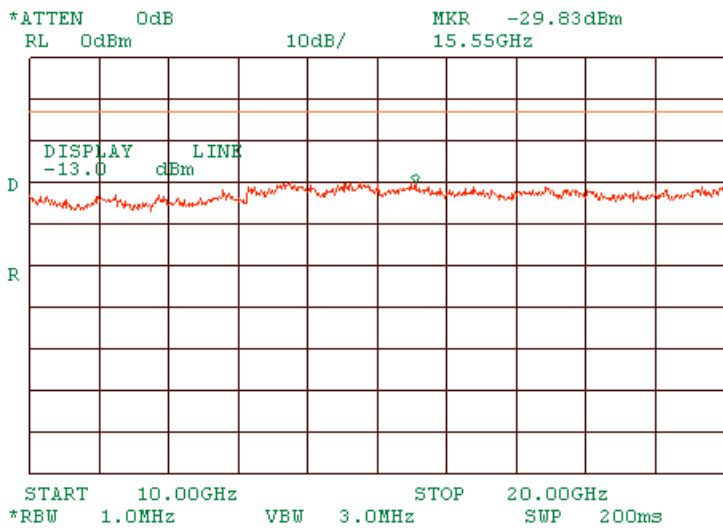
CDMA transmit mode 1990 – 2000 MHz.



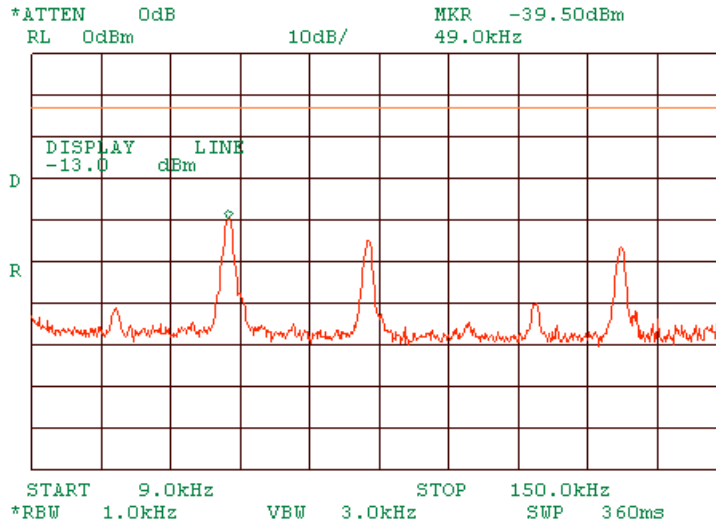
CDMA transmit mode 2000 – 10000 MHz.



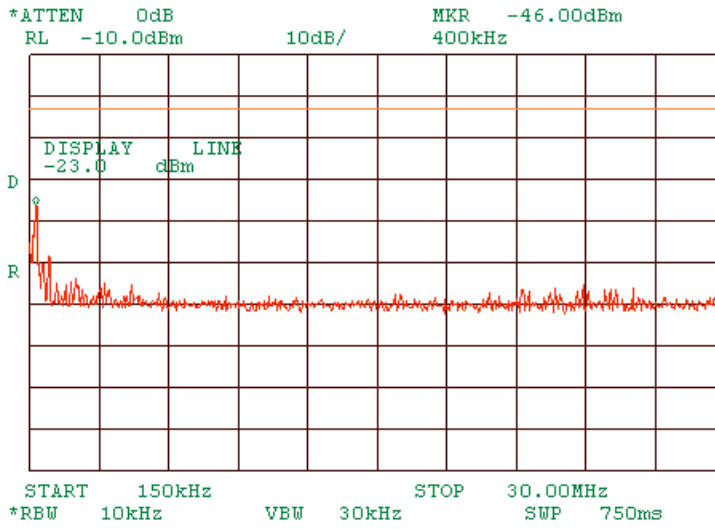
CDMA transmit mode 10000 – 20000 MHz.



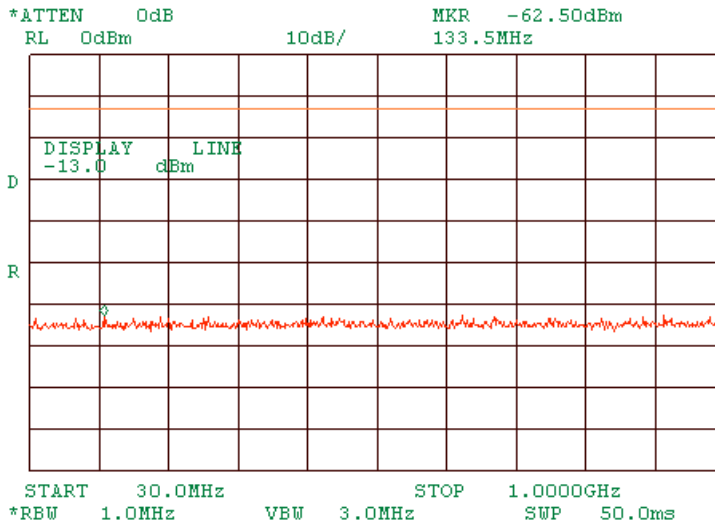
Modulation = OQPSK
Bit Rate = 1.2288 Mbps
IP = 36 dBm
CDMA transmit mode 9 – 150 kHz.



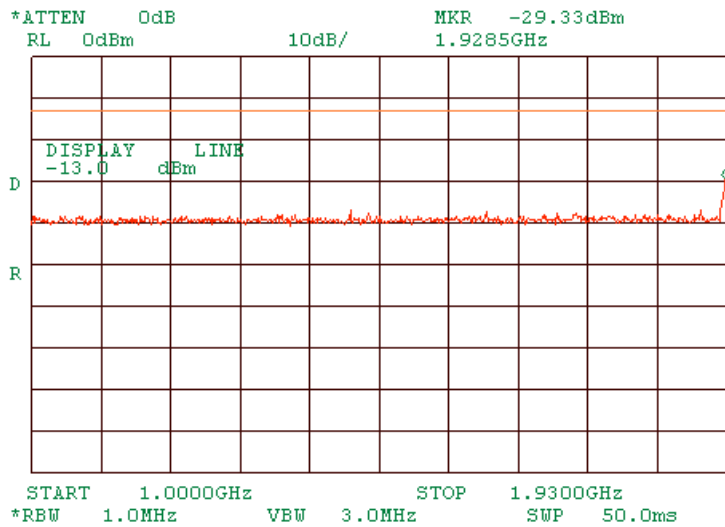
CDMA transmit mode 0.150 – 30 MHz.



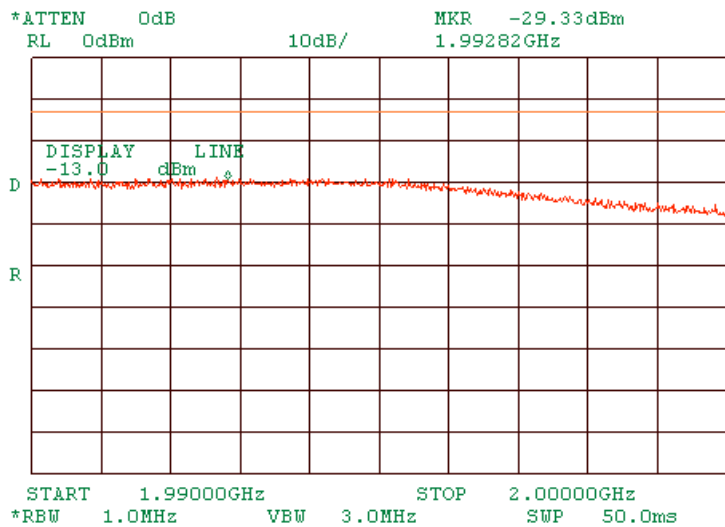
CDMA transmit mode 30 – 1000 MHz.



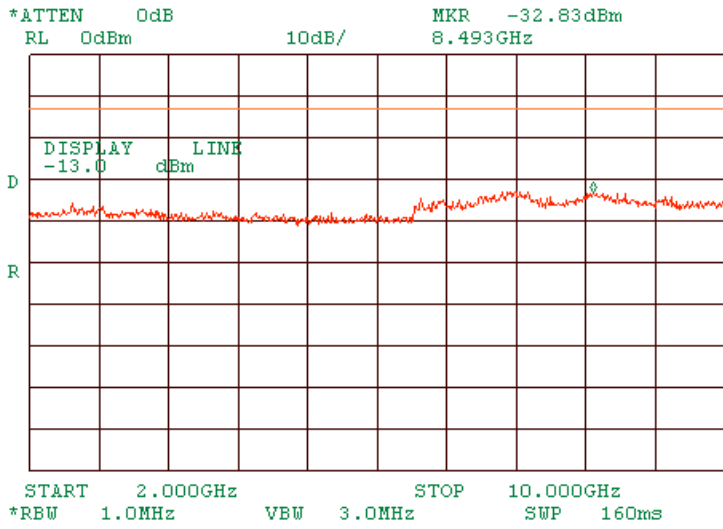
CDMA transmit mode 1000 – 1930 MHz.



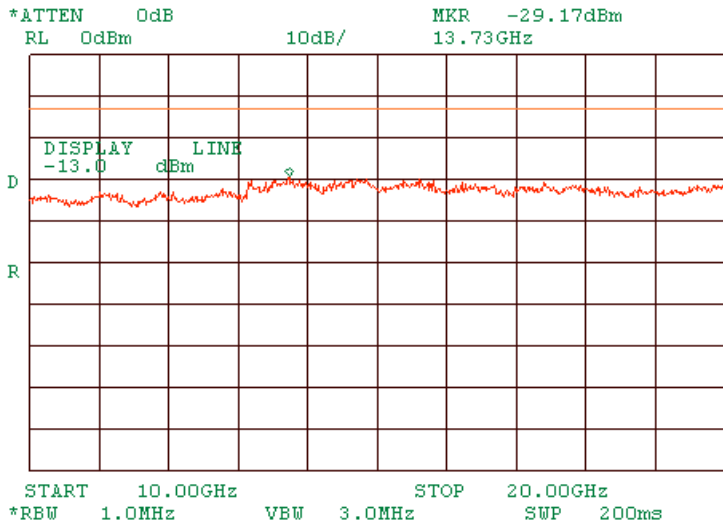
CDMA transmit mode 1990 – 2000 MHz.



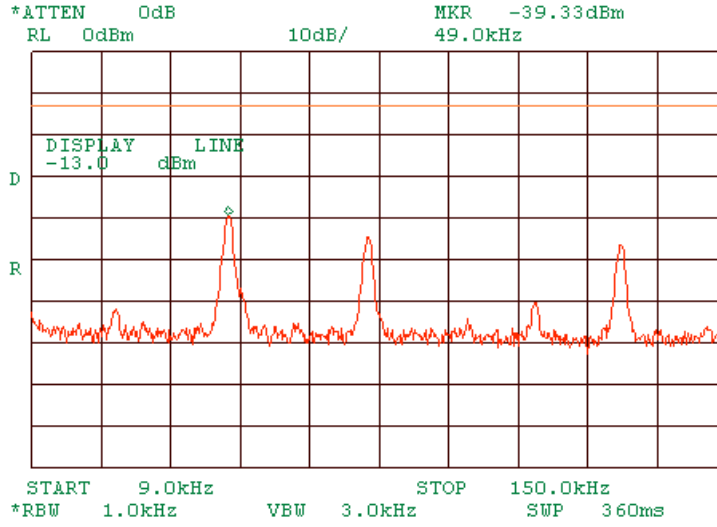
CDMA transmit mode 2000 – 10000 MHz.



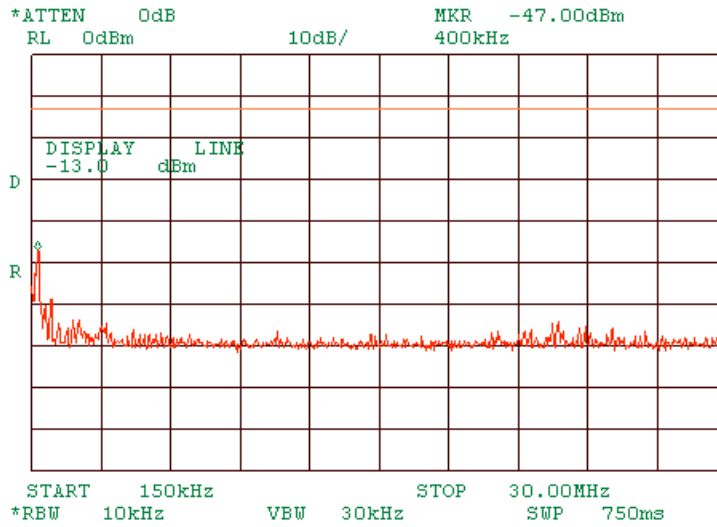
CDMA transmit mode 10000 – 20000 MHz.



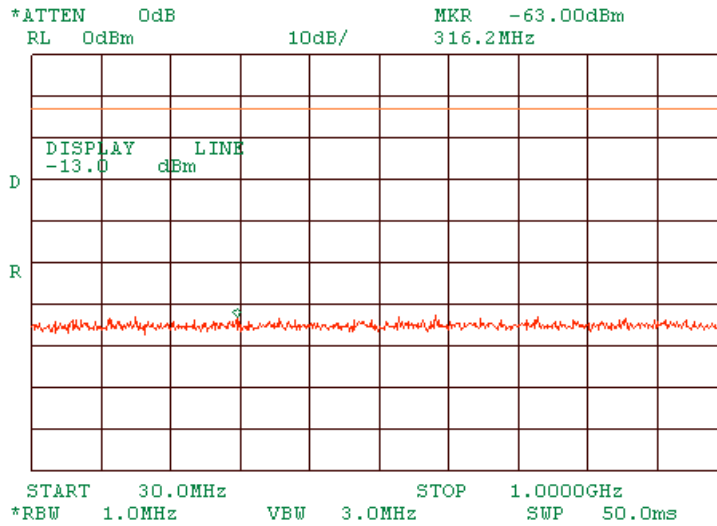
Modulation = QPSK
Bit Rate = 1.2288 Mbps
IP = 36 dBm
CDMA transmit mode 9 – 150 kHz.



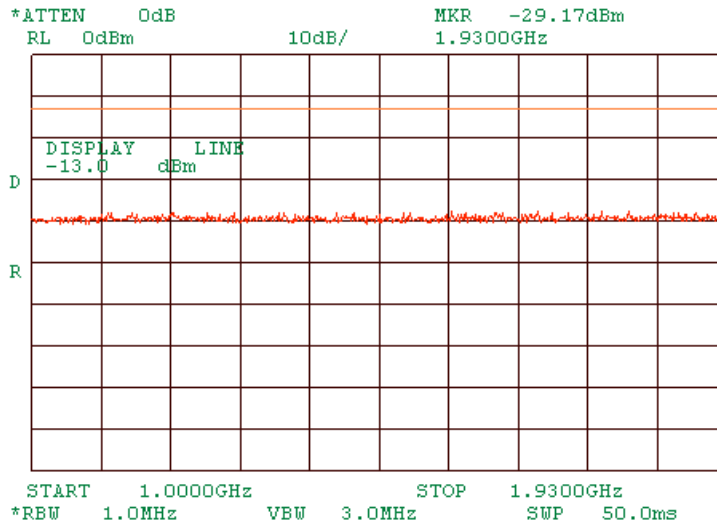
CDMA transmit mode 0.150 – 30 MHz.



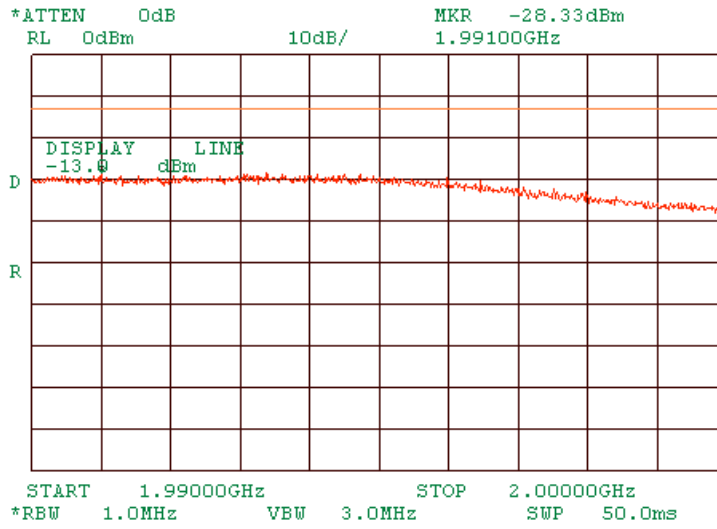
CDMA transmit mode 30 – 1000 MHz.



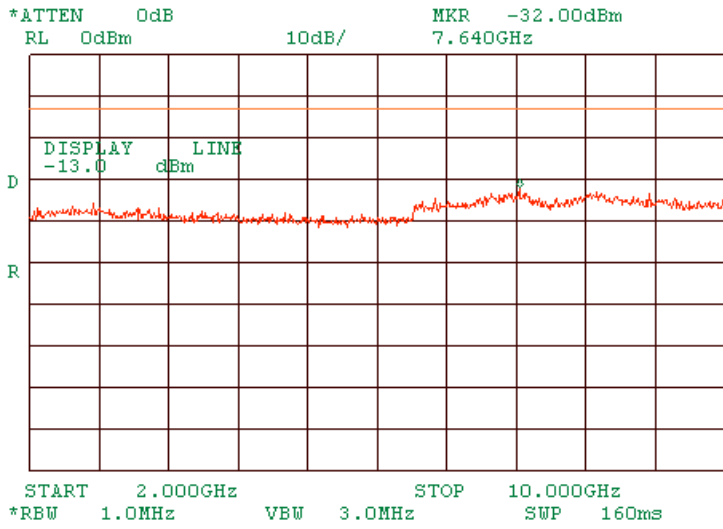
CDMA transmit mode 1000 – 1930 MHz.



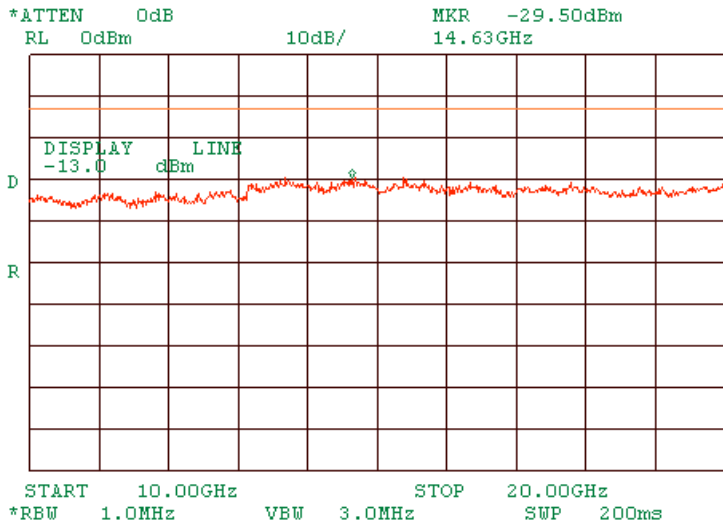
CDMA transmit mode 1990 – 2000 MHz.



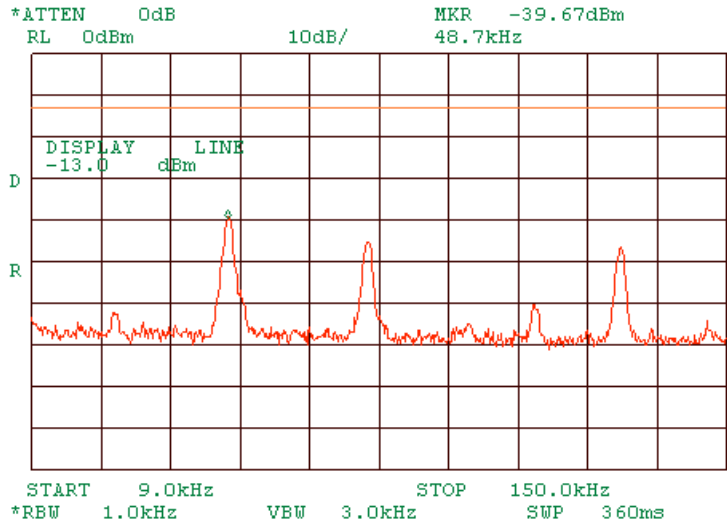
CDMA transmit mode 2000 – 10000 MHz.



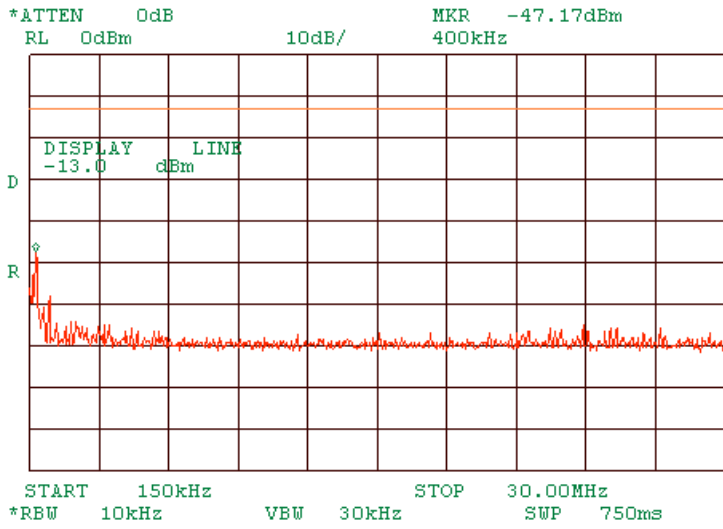
CDMA transmit mode 10000 – 20000 MHz.



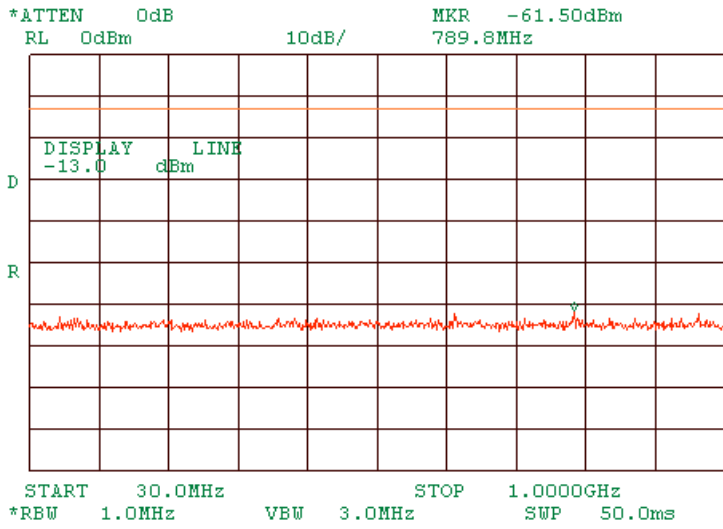
Modulation = QPSK
Bit Rate = 1.2288 Mbps
IP = 10 dBm
CDMA transmit mode 9 – 150 kHz.



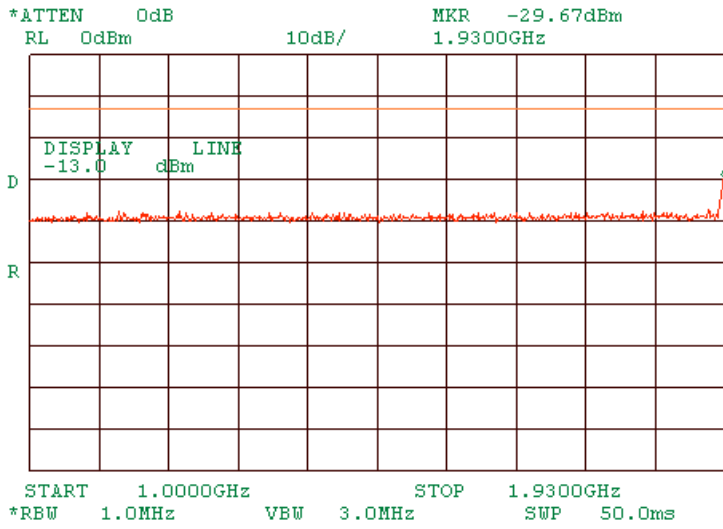
CDMA transmit mode 0.150 – 30 MHz.



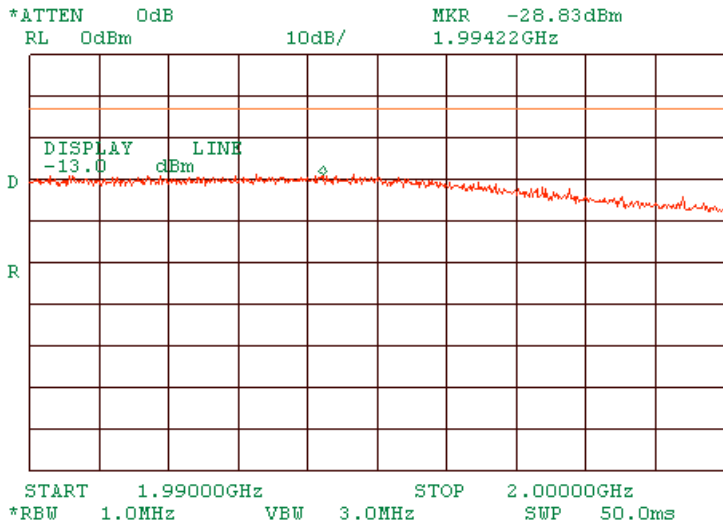
CDMA transmit mode 30 – 1000 MHz.



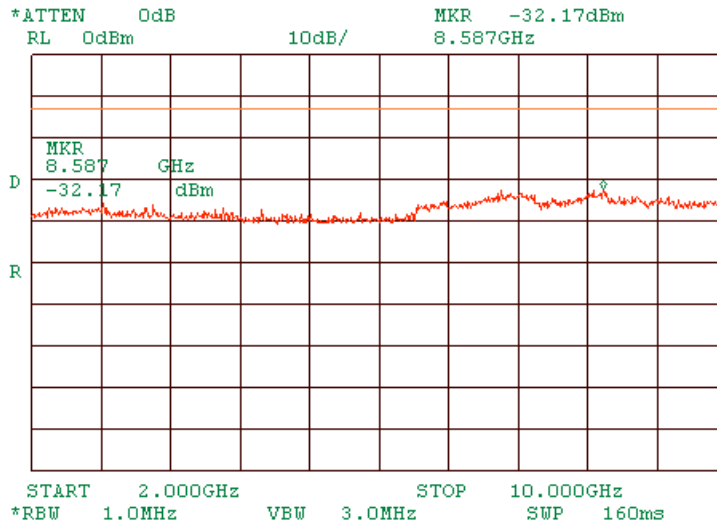
CDMA transmit mode 1000 – 1930 MHz.



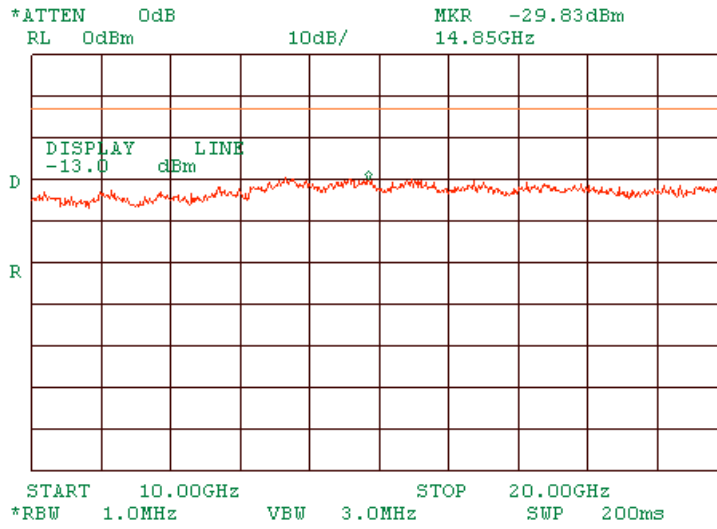
CDMA transmit mode 1990 – 2000 MHz.



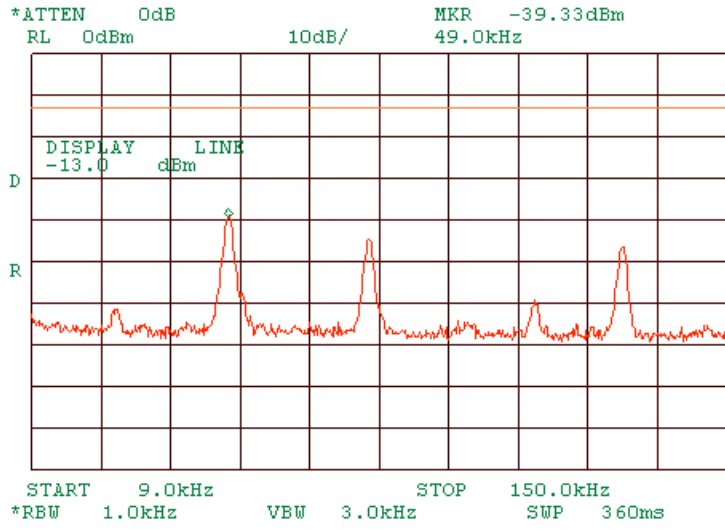
CDMA transmit mode 2000 – 10000 MHz.



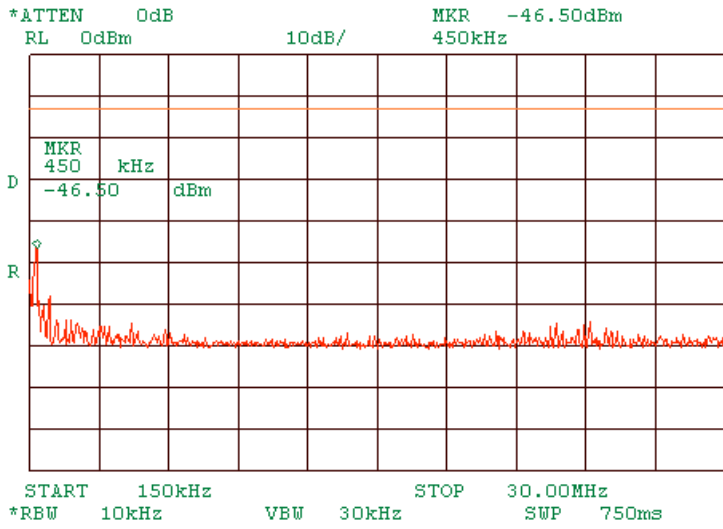
CDMA transmit mode 10000 – 20000 MHz.



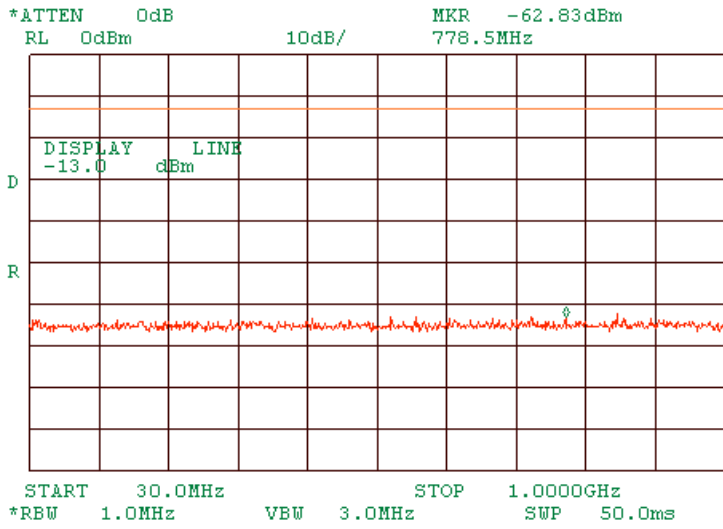
Modulation = PI/4 DQPSK
Bit Rate = 48.6 kbps
IP = 10 dBm
TDMA transmit mode 9 – 150 kHz.



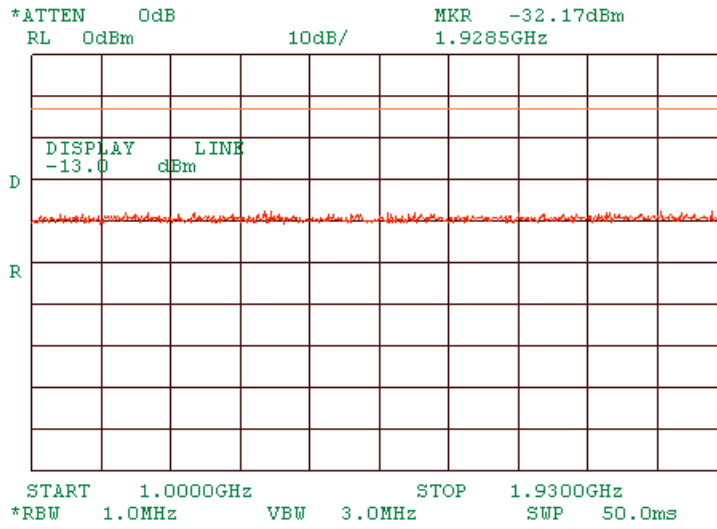
TDMA transmit mode 0.150 – 30 MHz.



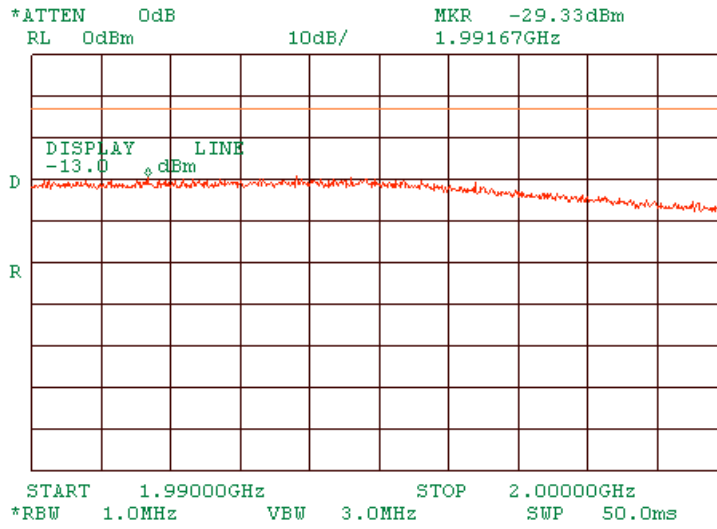
TDMA transmit mode 30 – 1000 MHz.



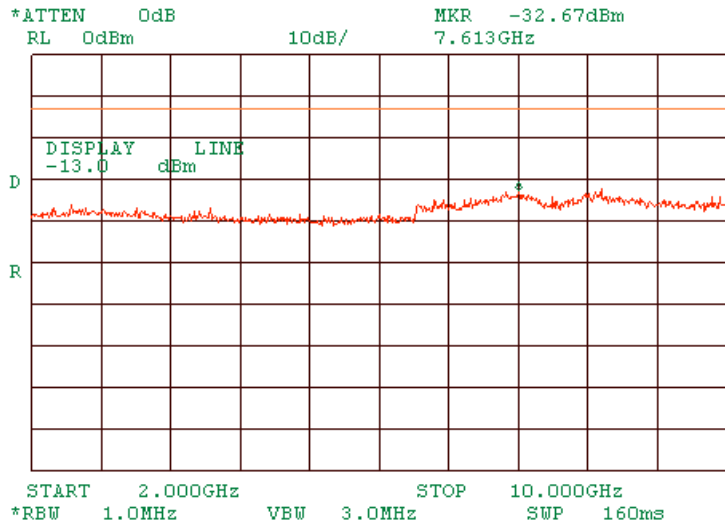
TDMA transmit mode 1000 – 1930 MHz.



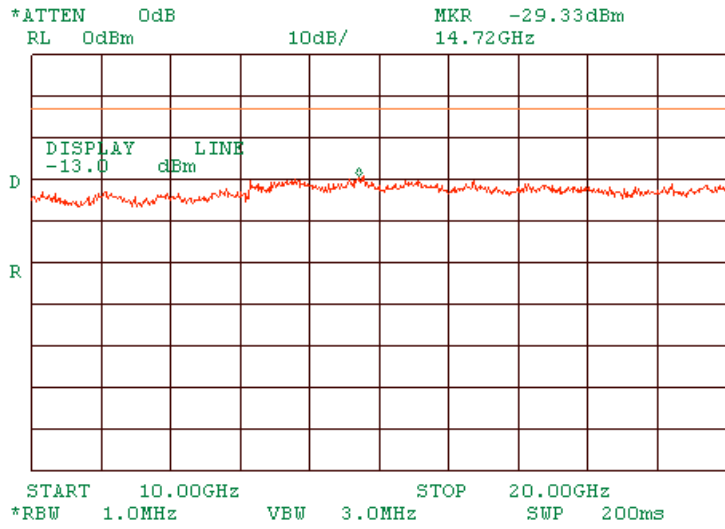
TDMA transmit mode 1990 – 2000 MHz.



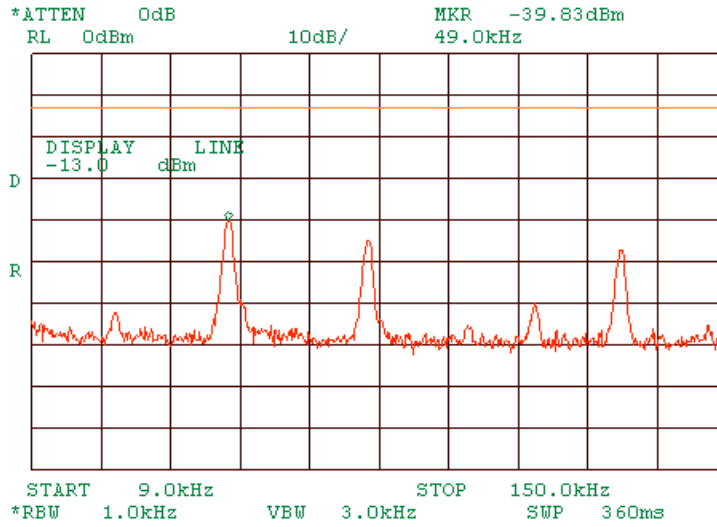
TDMA transmit mode 2000 – 10000 MHz.



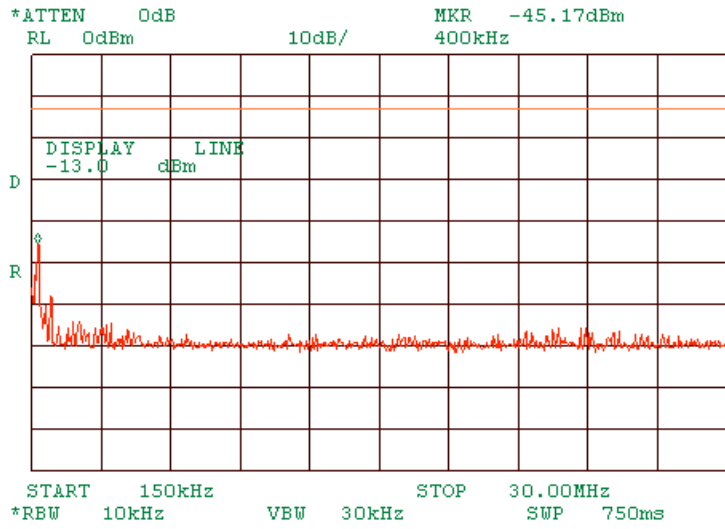
TDMA transmit mode 10000 – 20000 MHz.



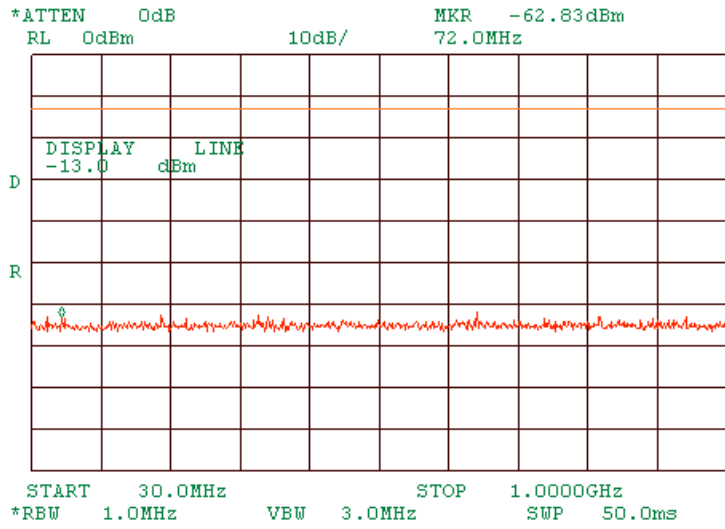
Modulation = PI/4 DQPSK
Bit Rate = 48.6 kbps
IP = 36 dBm
TDMA transmit mode 9 – 150 kHz.



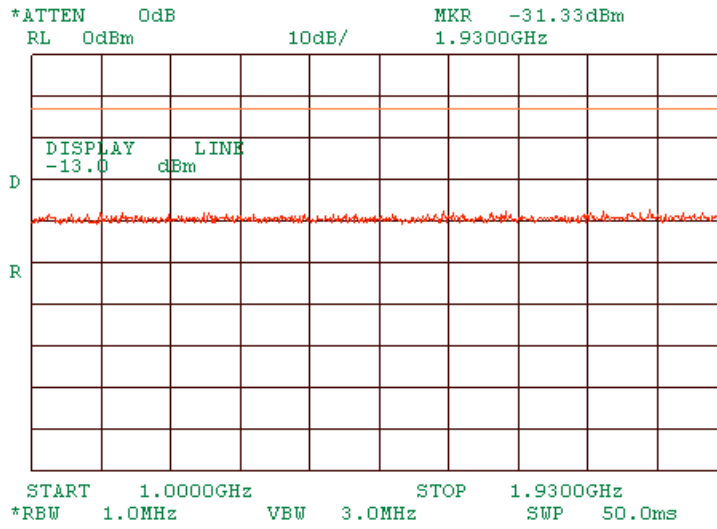
TDMA transmit mode 0.150 – 30 MHz.



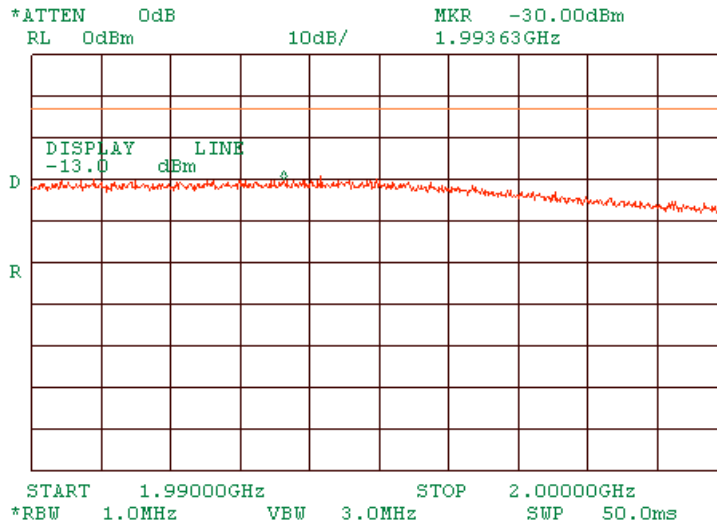
TDMA transmit mode 30 – 1000 MHz.



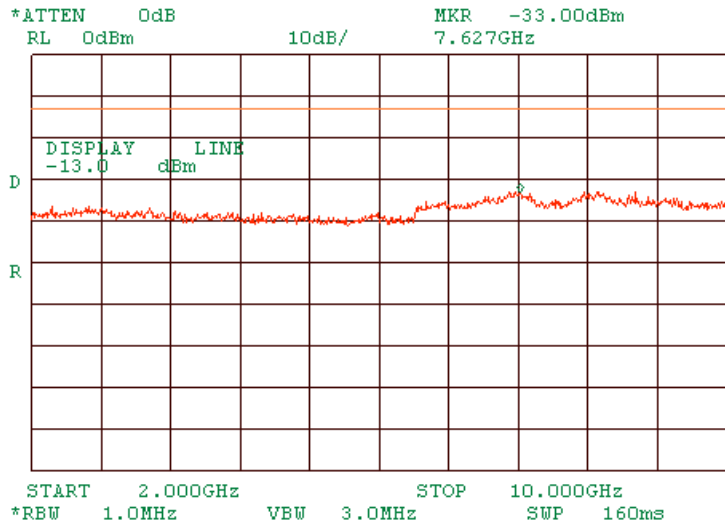
TDMA transmit mode 1000 – 1930 MHz.



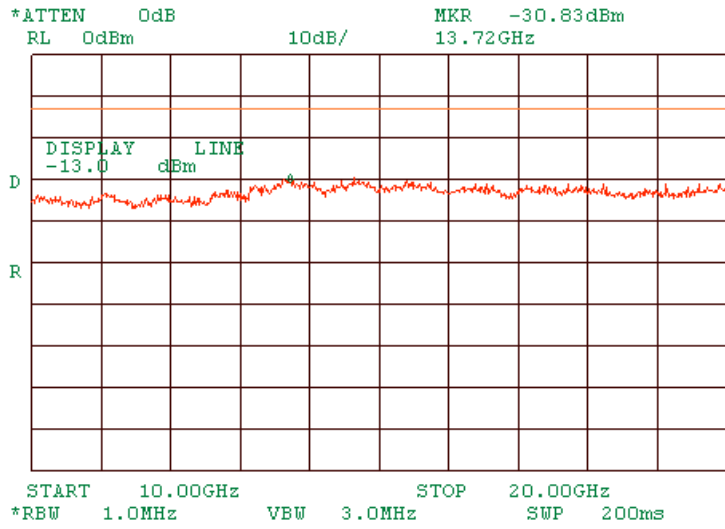
TDMA transmit mode 1990 – 2000 MHz.



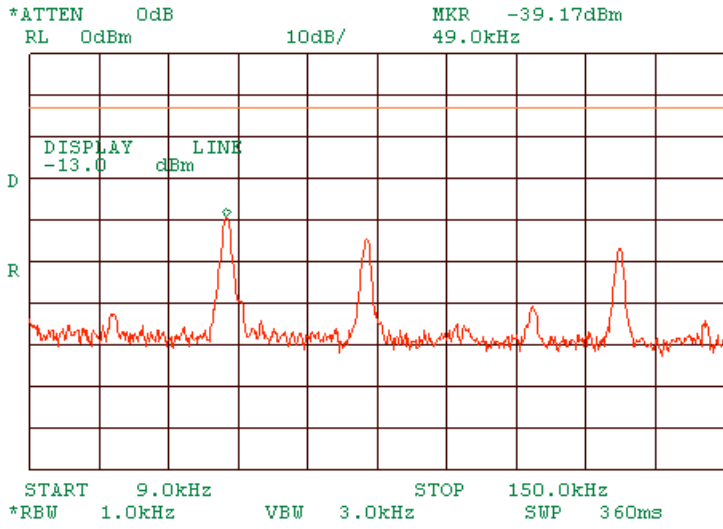
TDMA transmit mode 2000 – 10000 MHz.



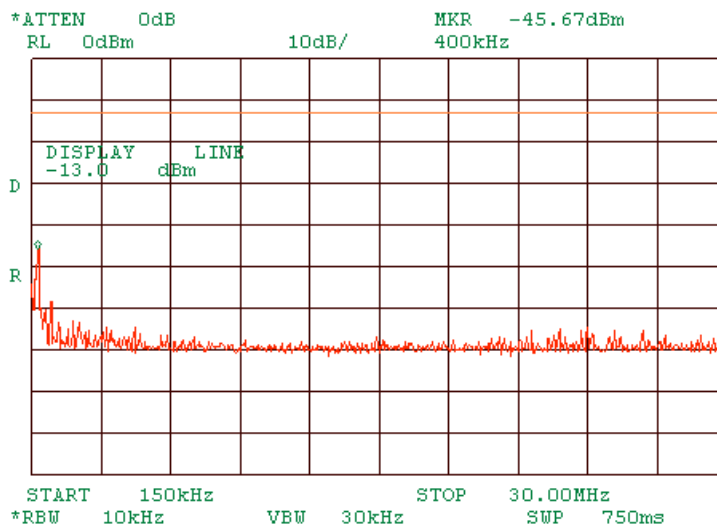
TDMA transmit mode 10000 – 20000 MHz.



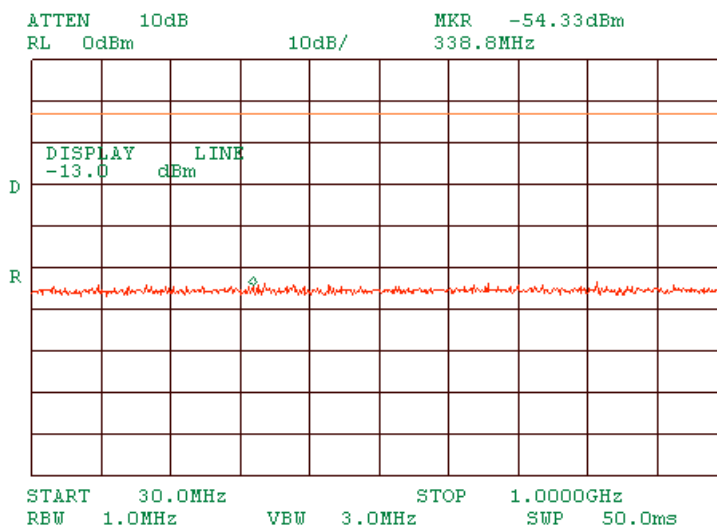
Modulation = GMSK
Bit Rate = 270.833 kbps
IP = 36 dBm
GSM transmit mode 9 – 150 kHz.



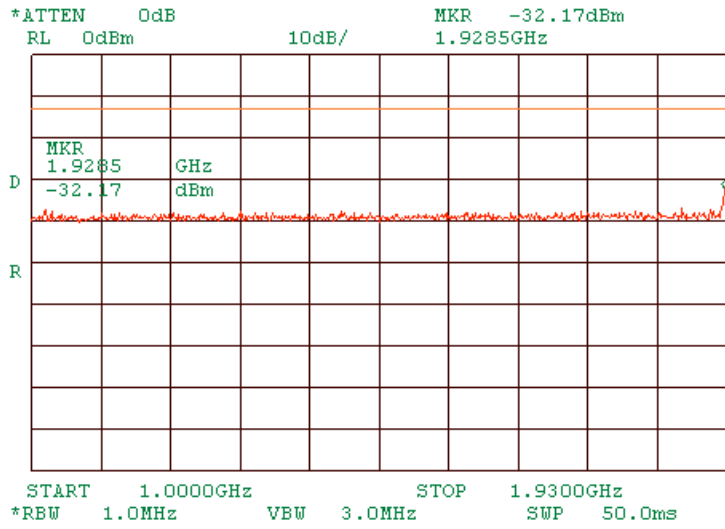
GSM transmit mode 0.150 – 30 MHz.



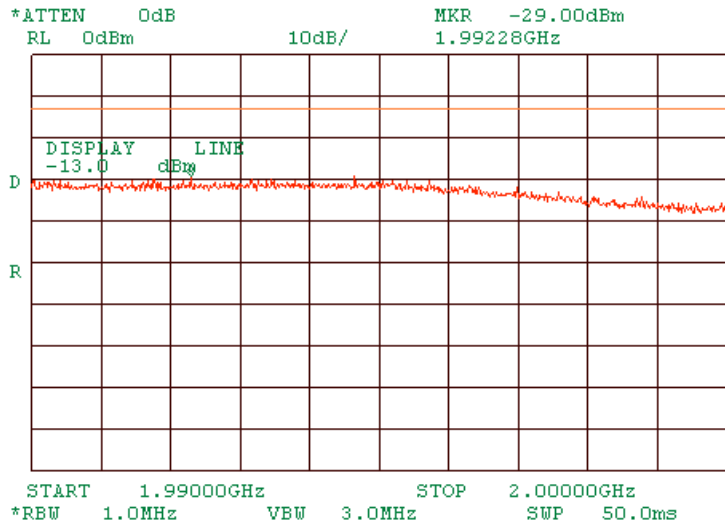
GSM transmit mode 30 – 1000 MHz.



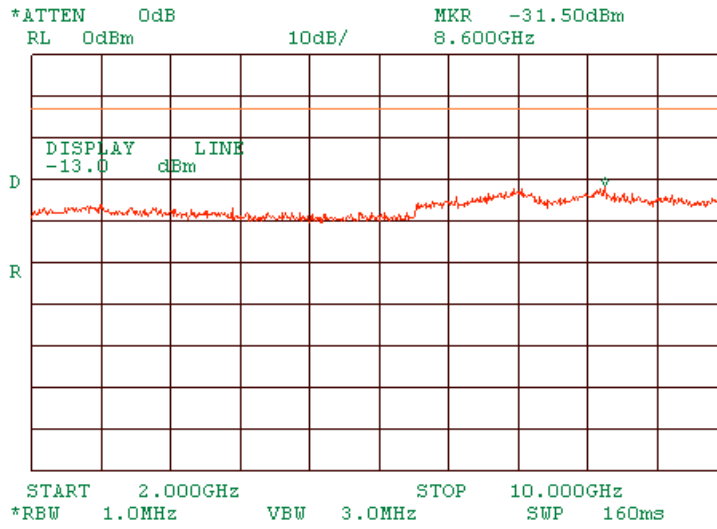
GSM transmit mode 1000 – 1930 MHz.



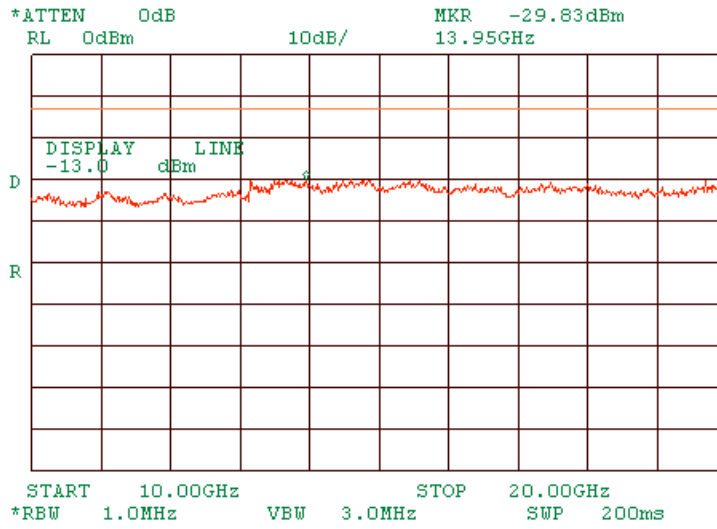
GSM transmit mode 1990 – 2000 MHz.



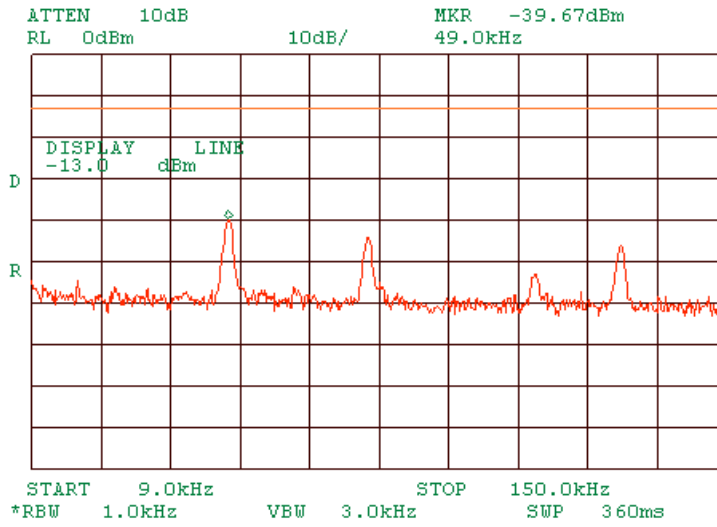
GSM transmit mode 2000 – 10000 MHz.



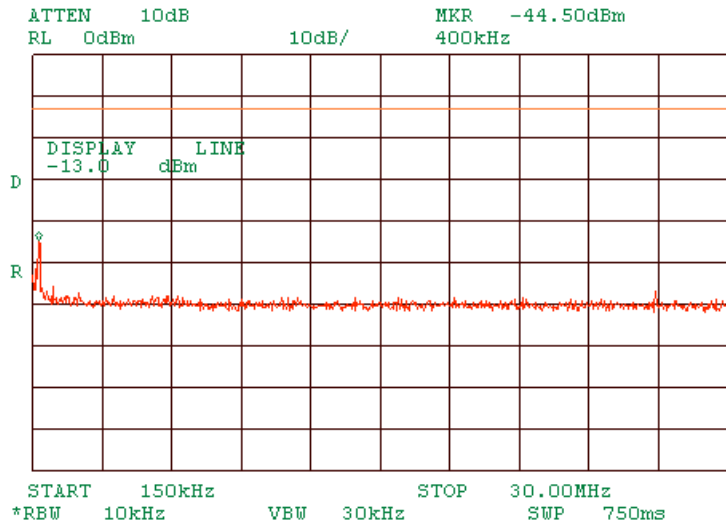
GSM transmit mode 10000 – 20000 MHz.



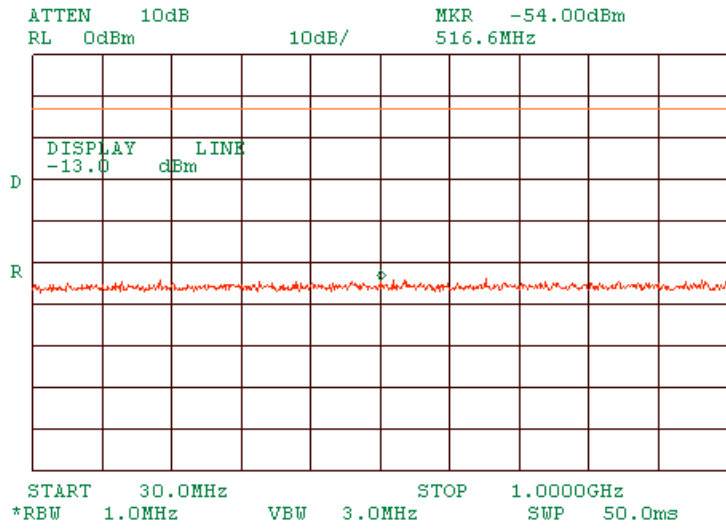
Modulation = GMSK
Bit Rate = 270.833 kbps
IP = 10 dBm
GSM transmit mode 9 – 150 kHz.



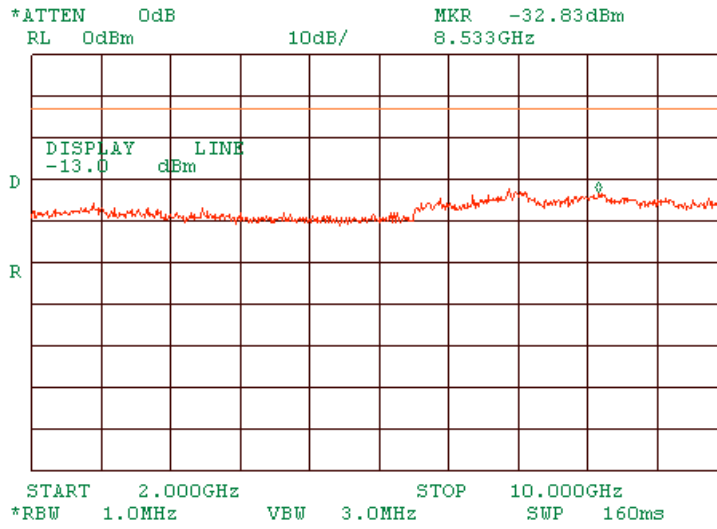
GSM transmit mode 0.150 – 30 MHz.



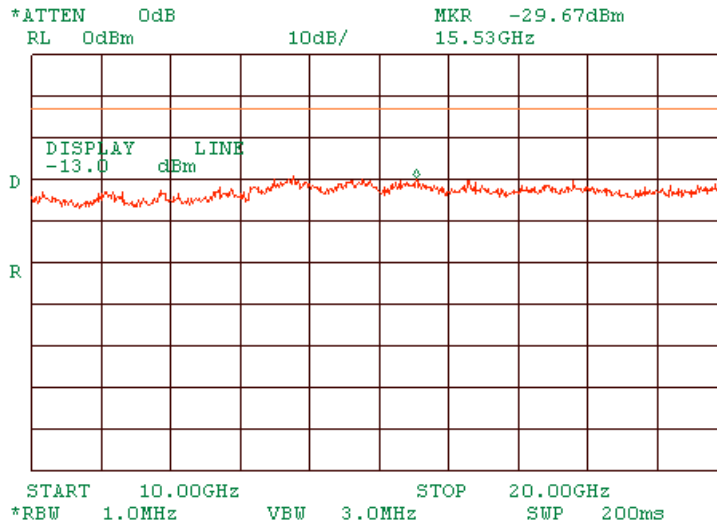
GSM transmit mode 30 – 1000 MHz.



GSM transmit mode 2000 – 10000 MHz.



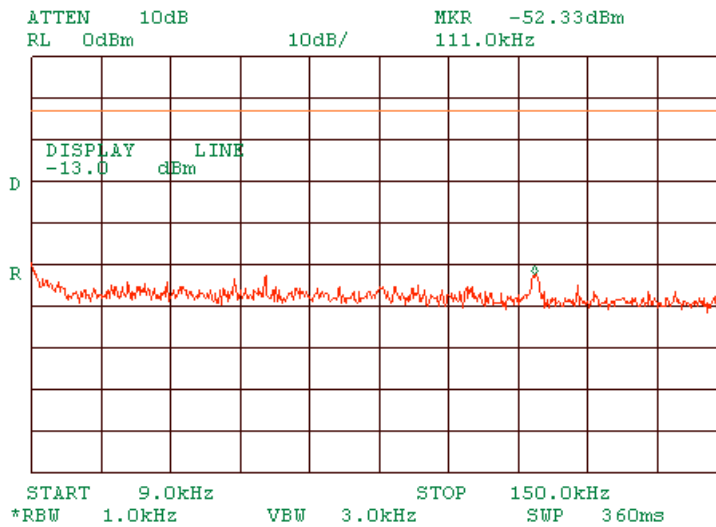
GSM transmit mode 10000 – 20000 MHz.



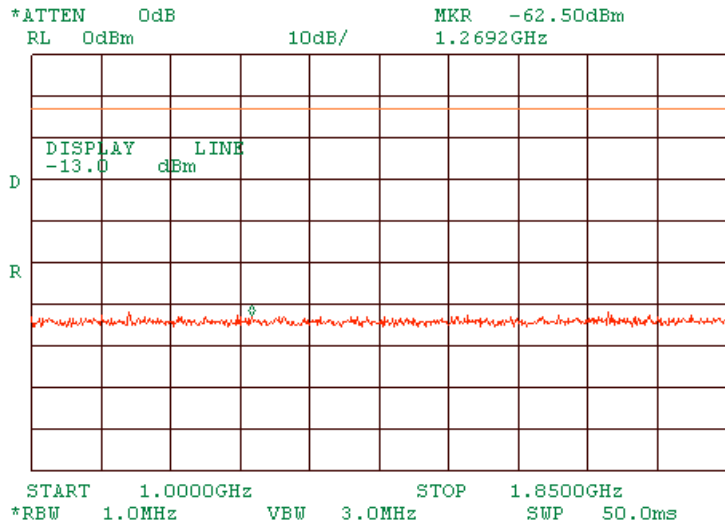
Date 16 May 2004
Test Conducted spurious emissions
Project 15867, Mobile Access 1200 + Mobile Access 1000
Humidity 43%
Temperature 23C
Air pressure 1009hPa
Test equipment 1424, 2399, 1097, 2524
Assigned band Downlink: 1930 – 1990MHz Uplink: 1850 – 1910MHz
IP = input power
Op = output power
G = gain
Mod = input modulation

Conducted spurious emissions UPLINK

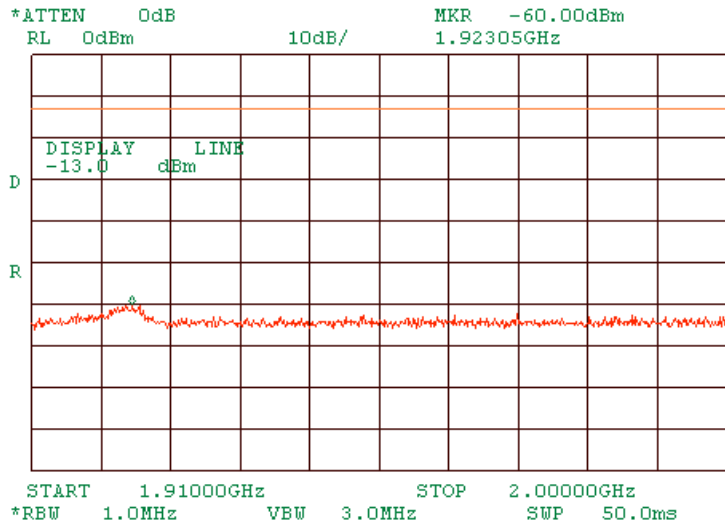
Deviation = 5kHz
Rate = 2500Hz
IP = -50 dBm
FM transmit mode 9 – 150 kHz.



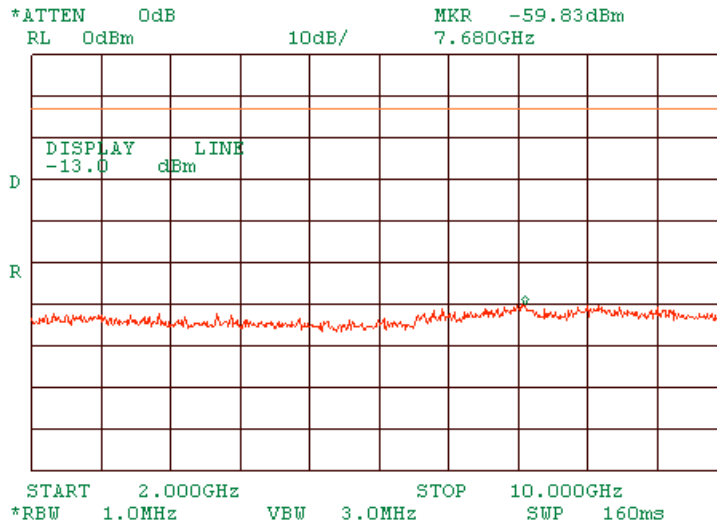
FM transmit mode 1000 – 1850 MHz.



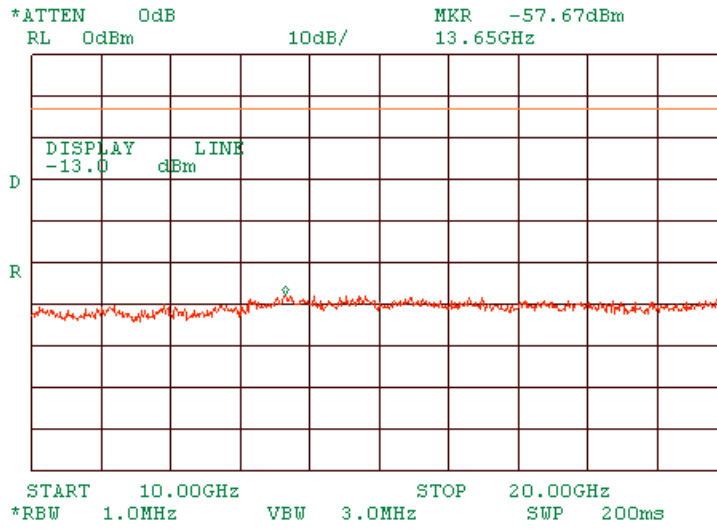
FM transmit mode 1910 – 2000 MHz.



FM transmit mode 2000 – 10000 MHz.



FM transmit mode 10000 – 20000 MHz.

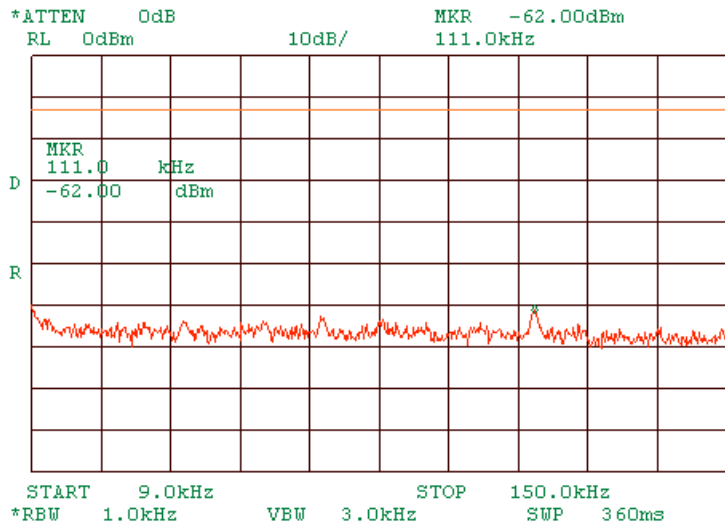


Deviation = 5kHz

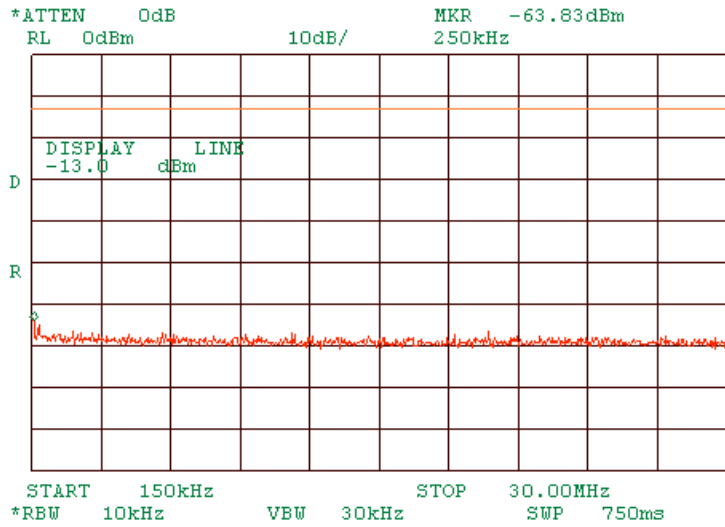
Rate = 2500Hz

IP = -25 dBm

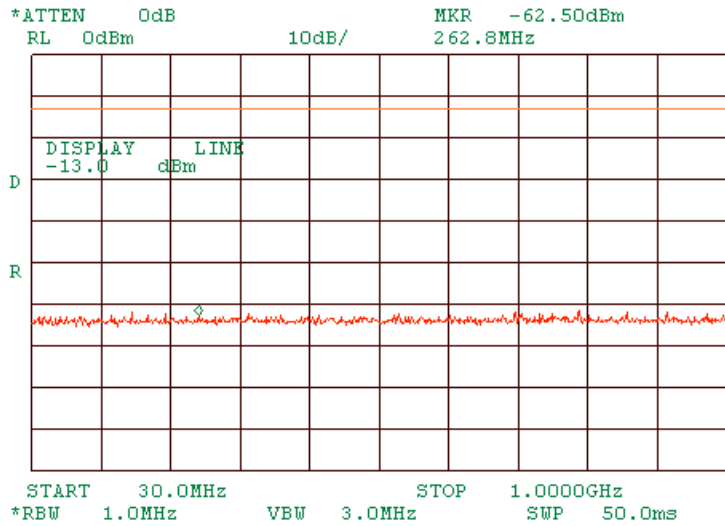
FM transmit mode 9 – 150 kHz.



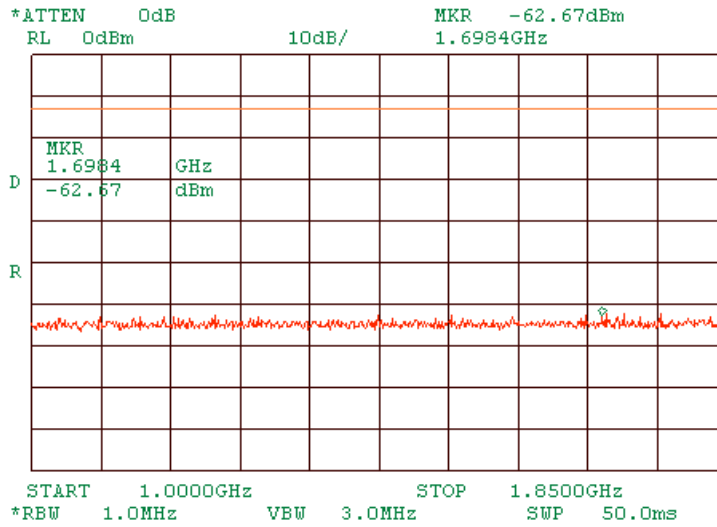
FM transmit mode 0.150 – 30 MHz.



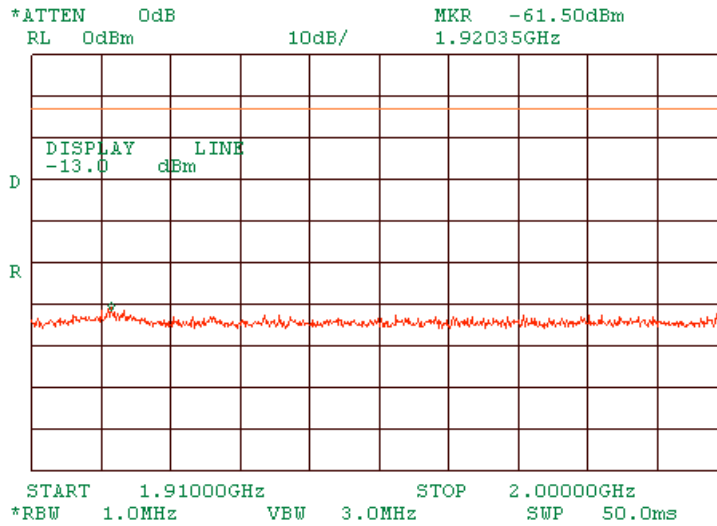
FM transmit mode 30 – 1000 MHz.



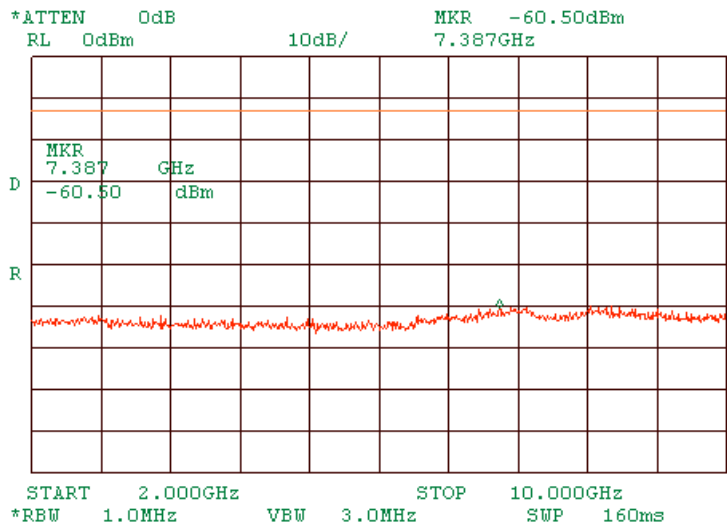
FM transmit mode 1000 – 1850 MHz.



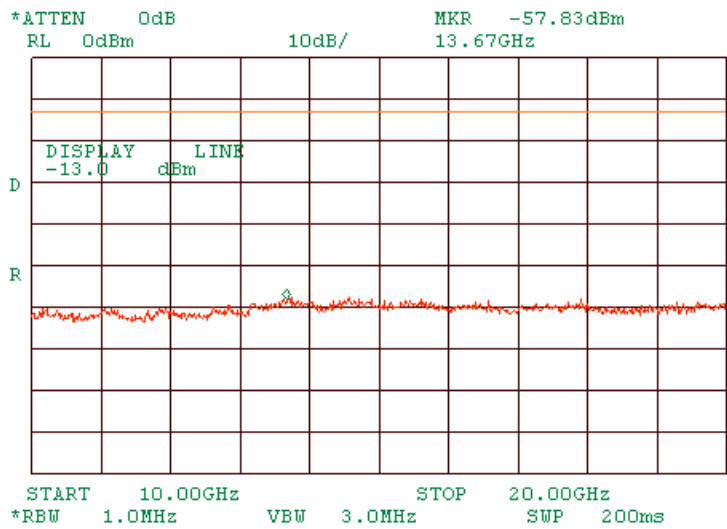
FM transmit mode 1910 – 2000 MHz.



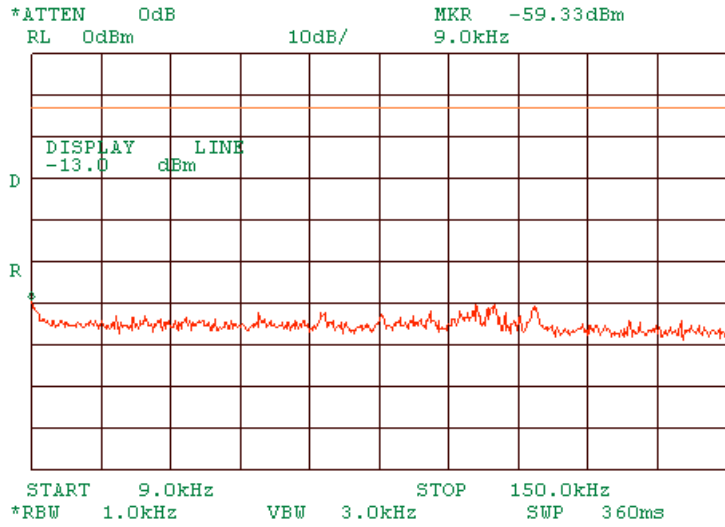
FM transmit mode 2000 – 10000 MHz.



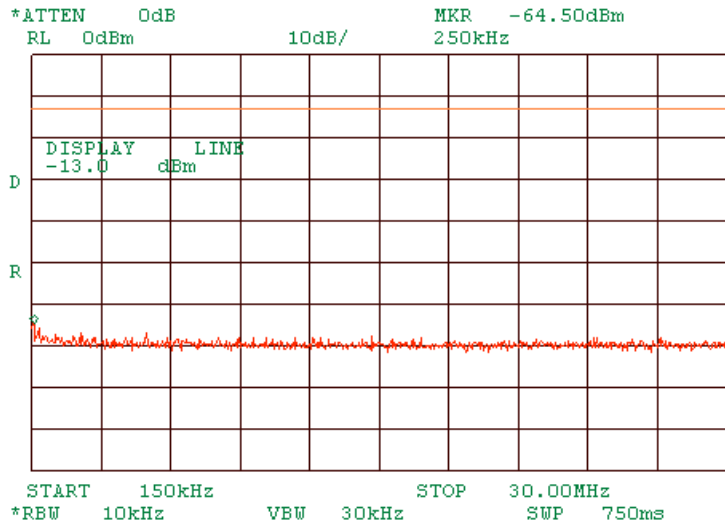
FM transmit mode 10000 – 20000 MHz.



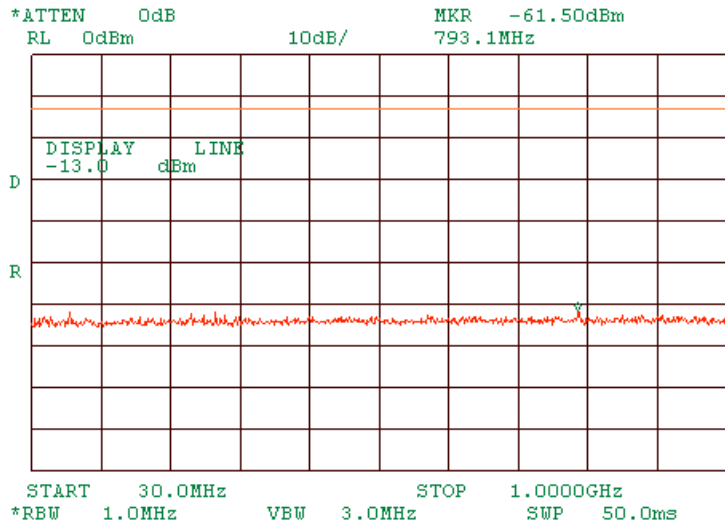
Modulation = OQPSK
Bit Rate = 1.2288 Mbps
IP = -50 dBm
CDMA transmit mode 9 – 150 kHz.



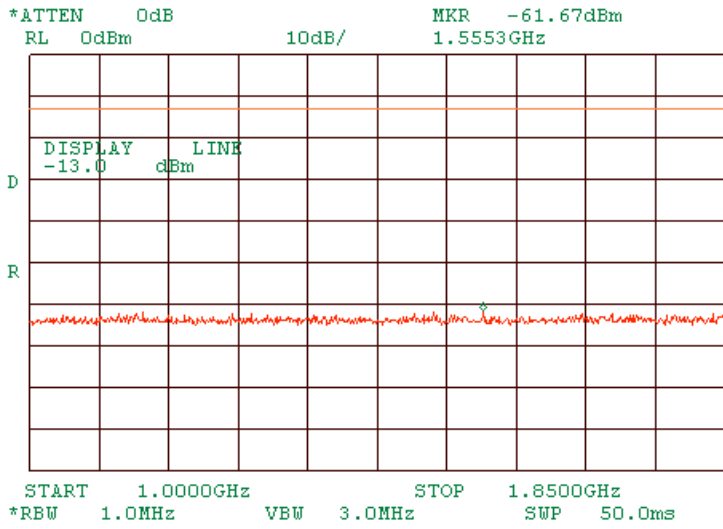
CDMA transmit mode 0.150 – 30 MHz.



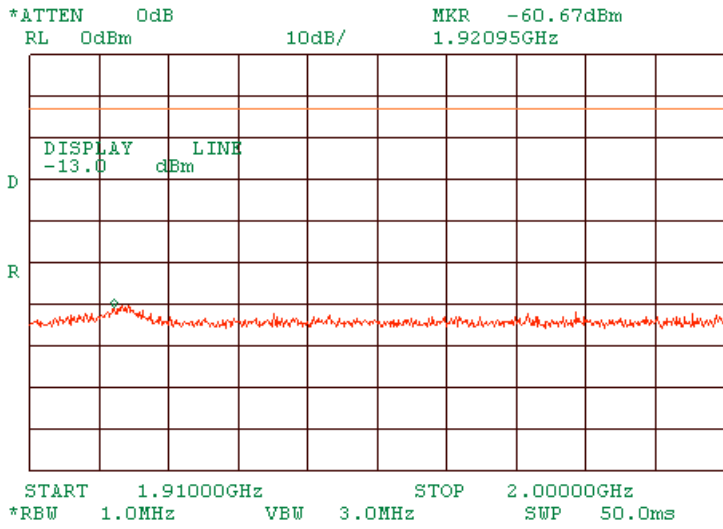
CDMA transmit mode 30 – 1000 MHz.



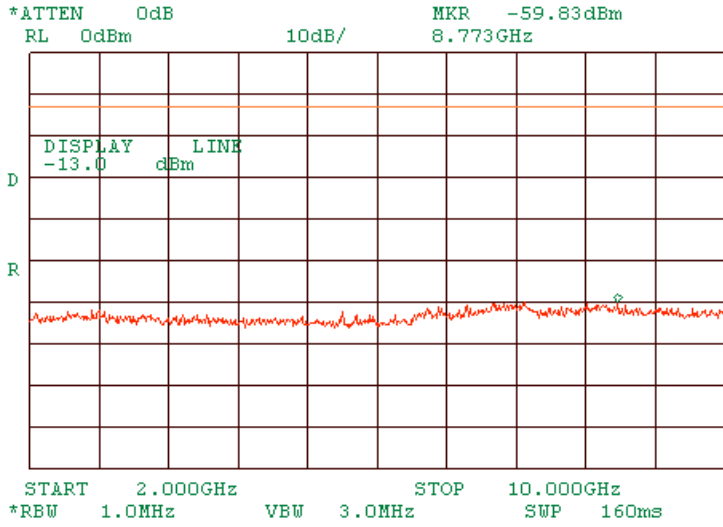
CDMA transmit mode 1000 – 1850 MHz.



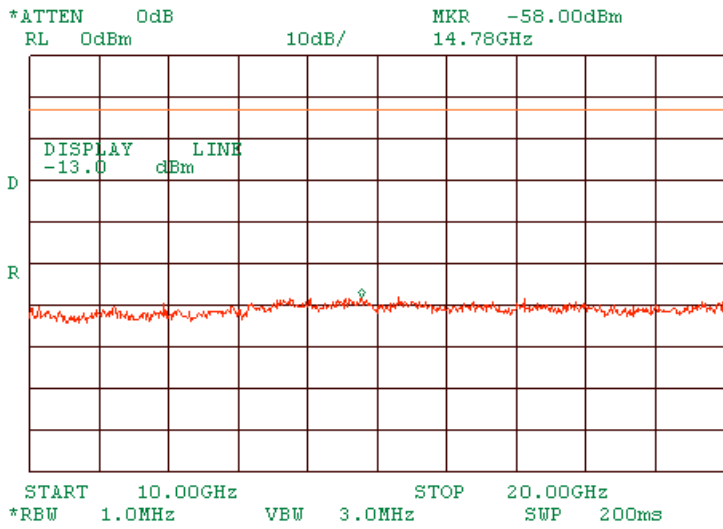
CDMA transmit mode 1910 – 2000 MHz.



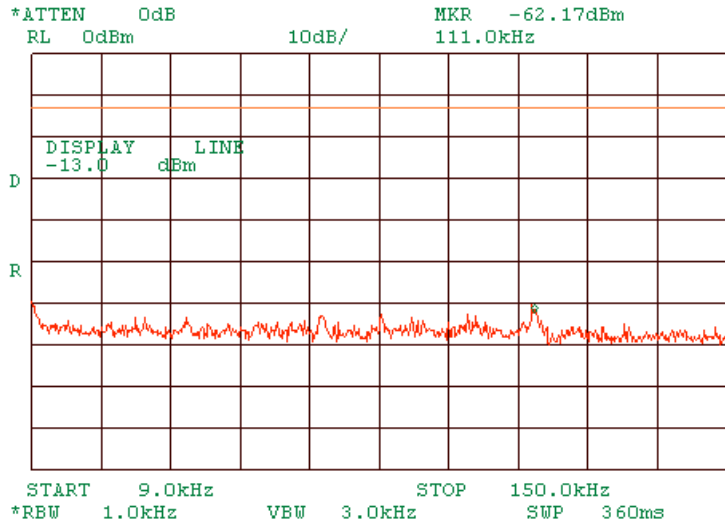
CDMA transmit mode 2000 – 10000 MHz.



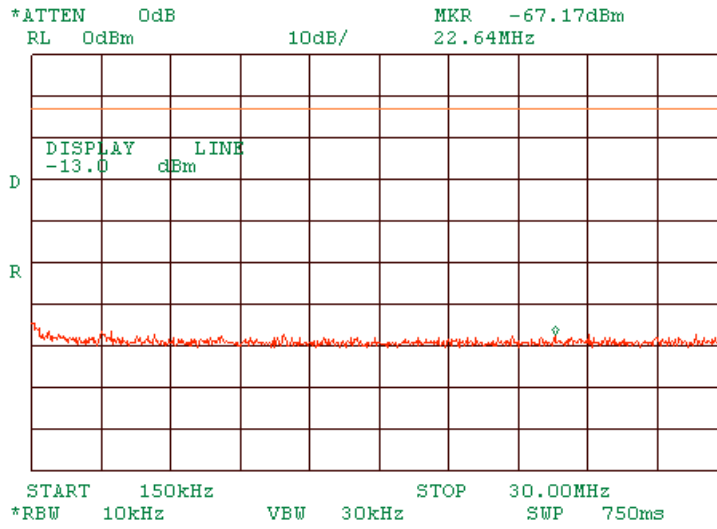
CDMA transmit mode 10000 – 20000 MHz.



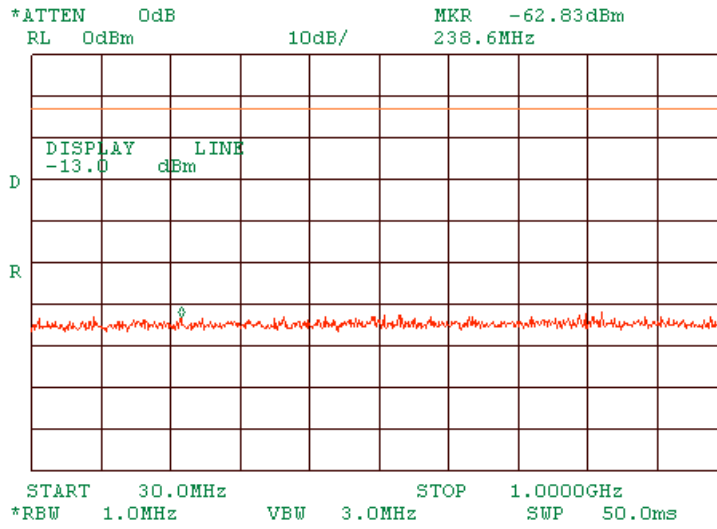
Modulation = OQPSK
Bit Rate = 1.2288 Mbps
IP = -25 dBm
CDMA transmit mode 9 – 150 kHz.



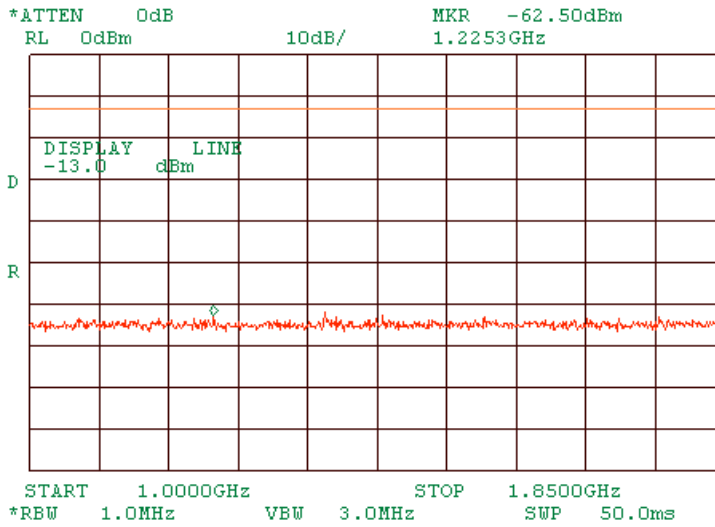
CDMA transmit mode 0.150 – 30 MHz.



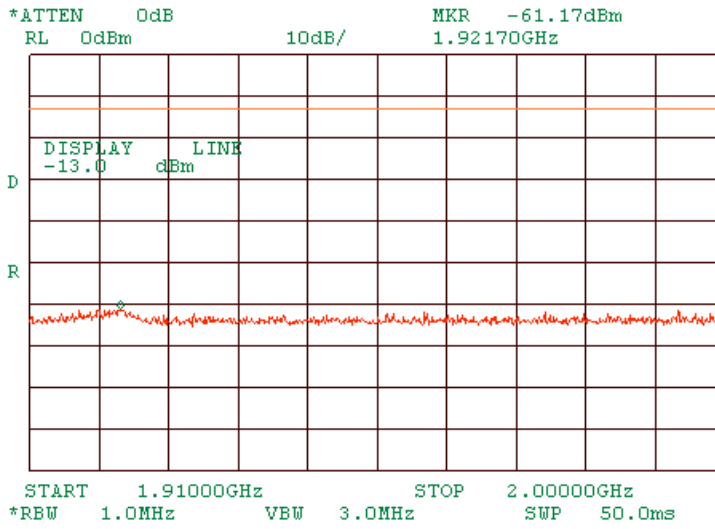
CDMA transmit mode 30 – 1000 MHz.



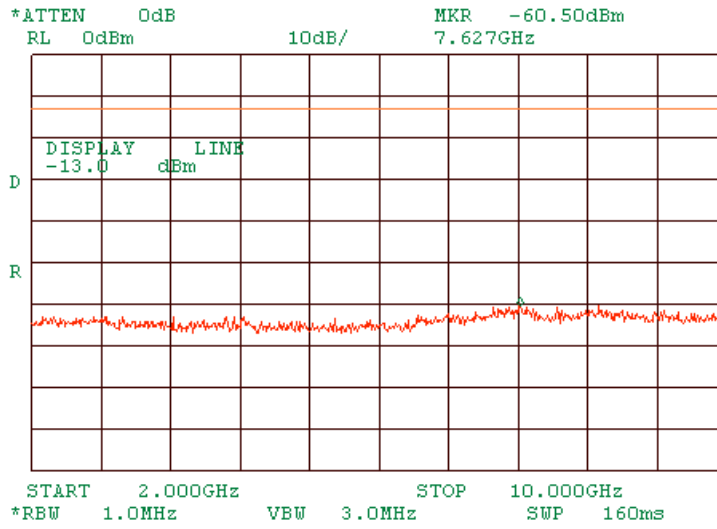
CDMA transmit mode 1000 – 1850 MHz.



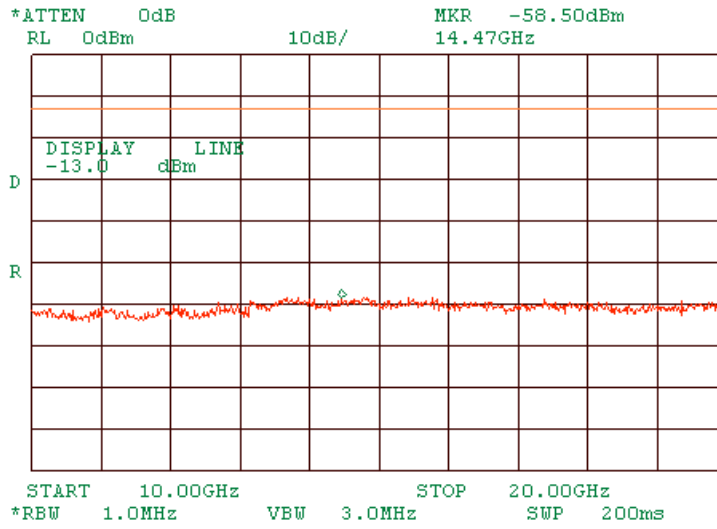
CDMA transmit mode 1910 – 2000 MHz.



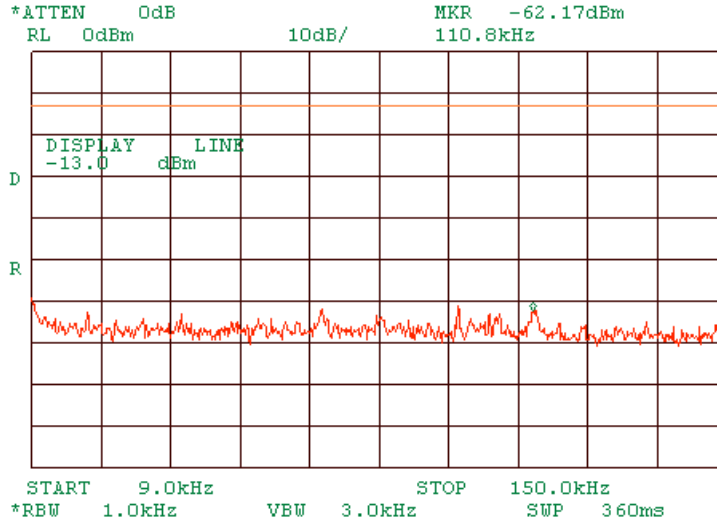
CDMA transmit mode 2000 – 10000 MHz.



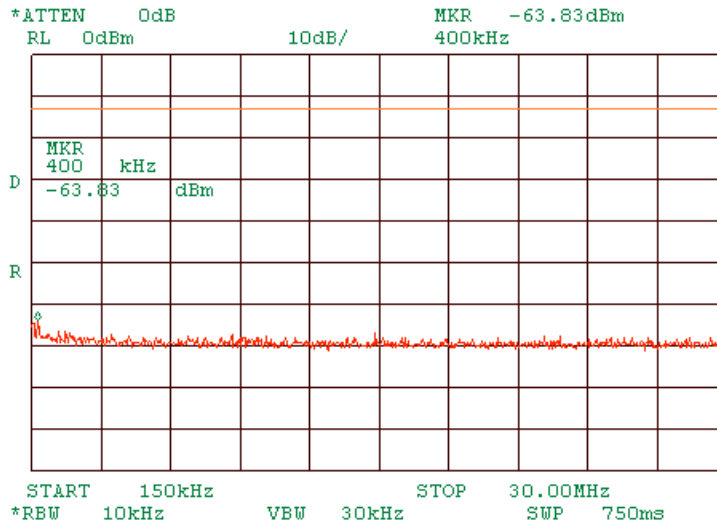
CDMA transmit mode 10000 – 20000 MHz.



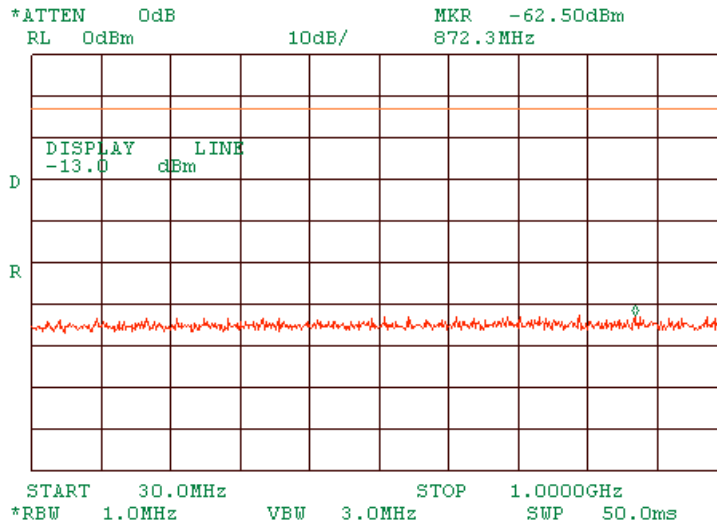
Modulation = QPSK
Bit Rate = 1.2288 Mbps
IP = -50 dBm
CDMA transmit mode 9 – 150 kHz.



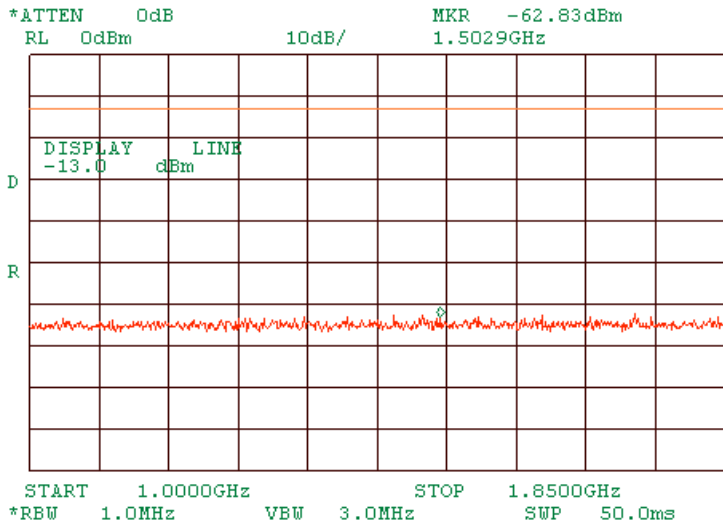
CDMA transmit mode 0.150 – 30 MHz.



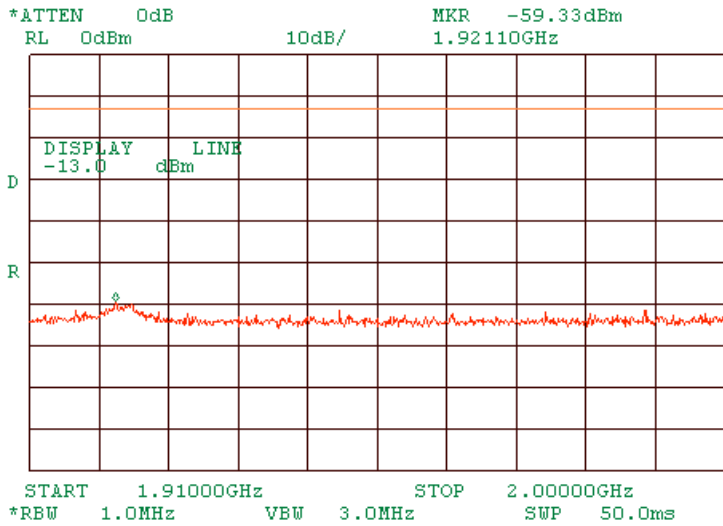
CDMA transmit mode 30 – 1000 MHz.



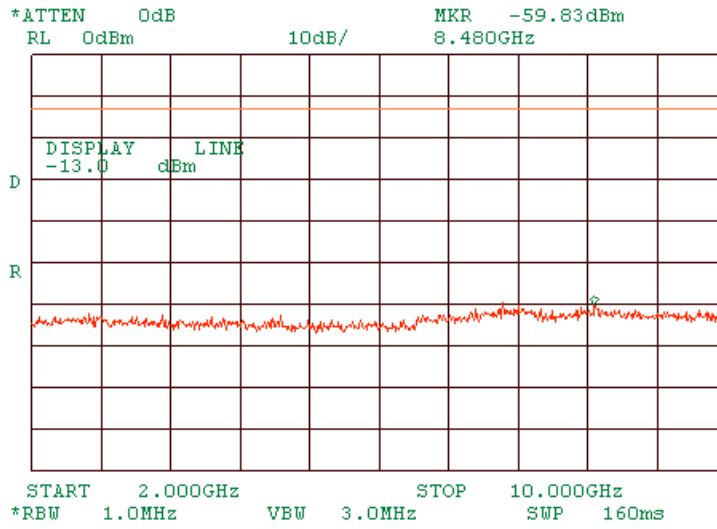
CDMA transmit mode 1000 – 1850 MHz.



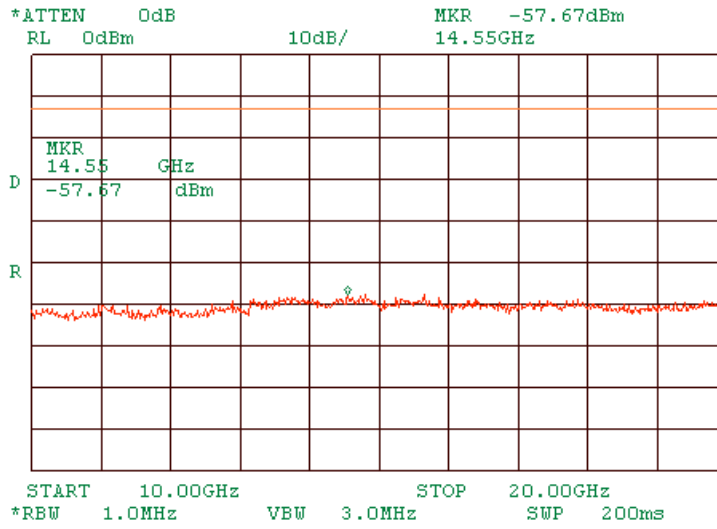
CDMA transmit mode 1910 – 2000 MHz.



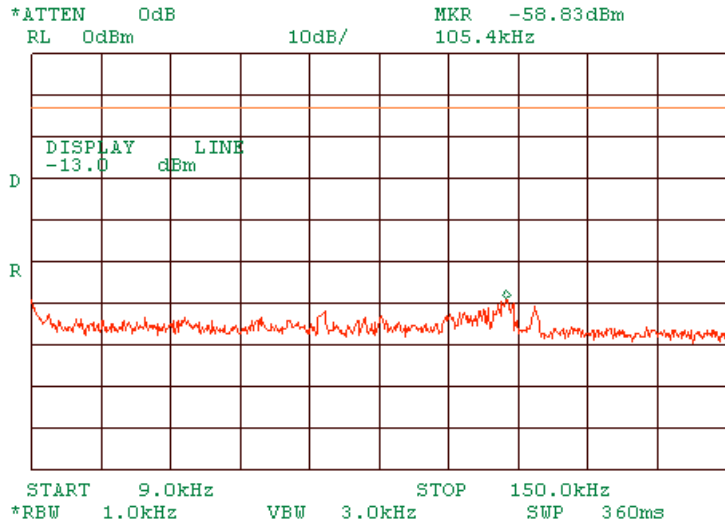
CDMA transmit mode 2000 – 10000 MHz.



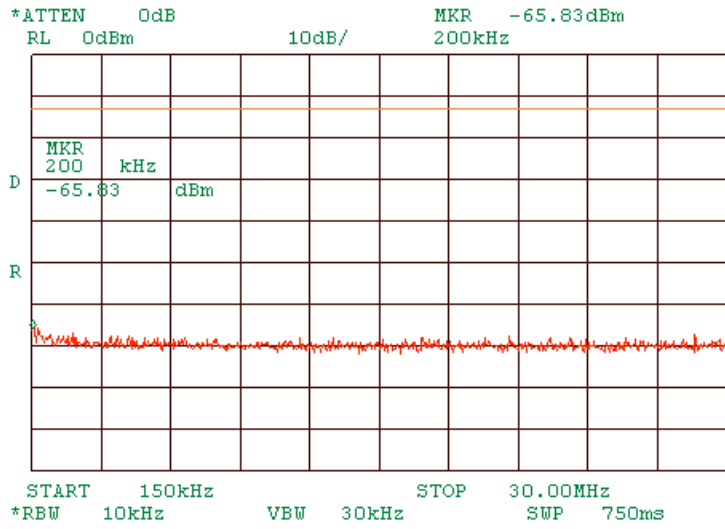
CDMA transmit mode 10000 – 20000 MHz.



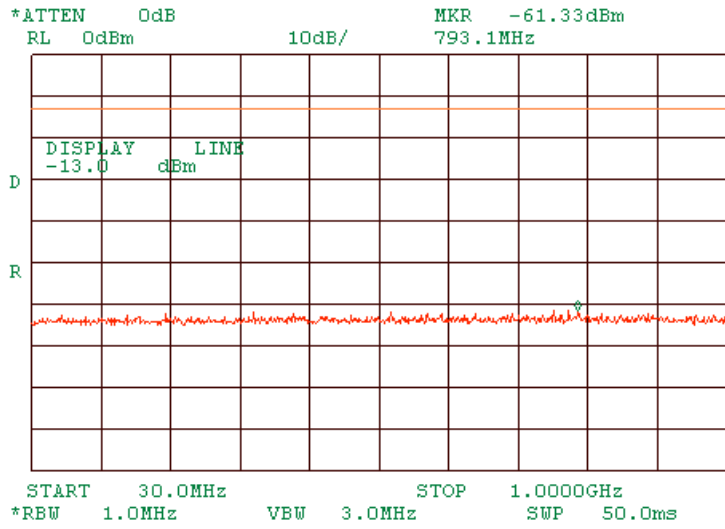
Modulation = QPSK
Bit Rate = 1.2288 Mbps
IP = -25 dBm
CDMA transmit mode 9 – 150 kHz.



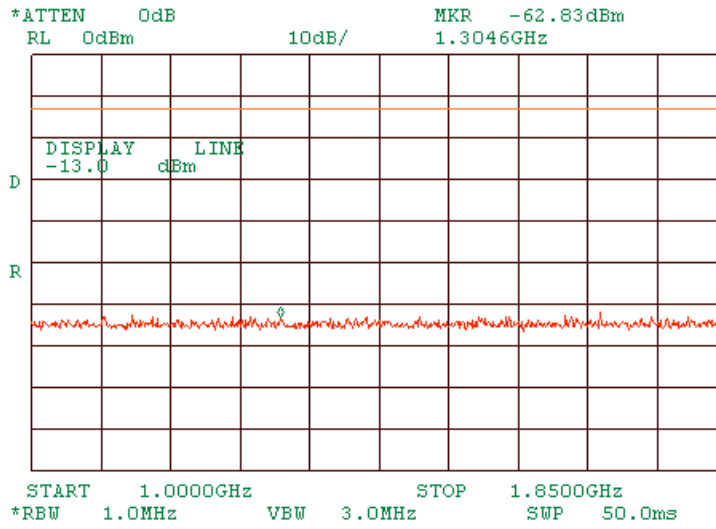
CDMA transmit mode 0.150 – 30 MHz.



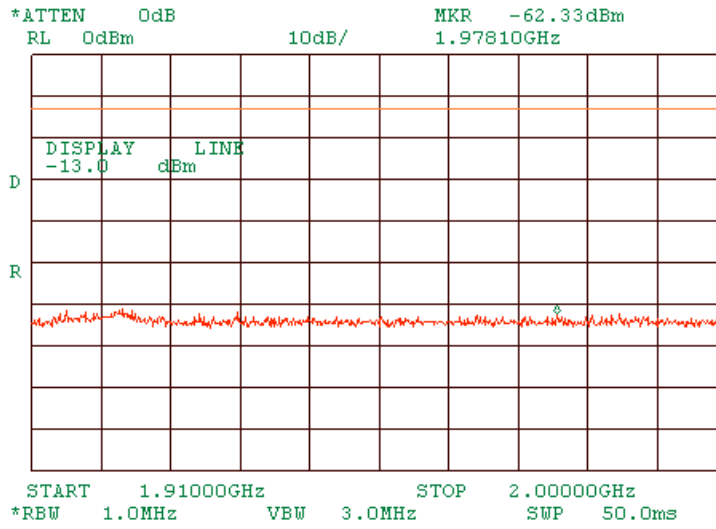
CDMA transmit mode 30 – 1000 MHz.



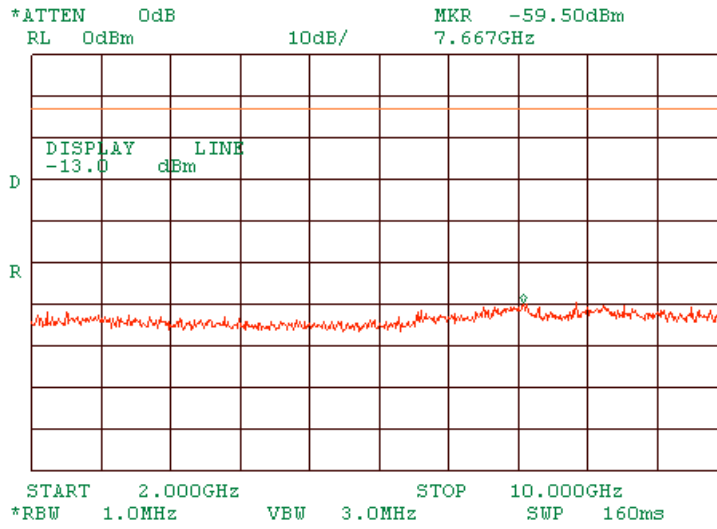
CDMA transmit mode 1000 – 1850 MHz.



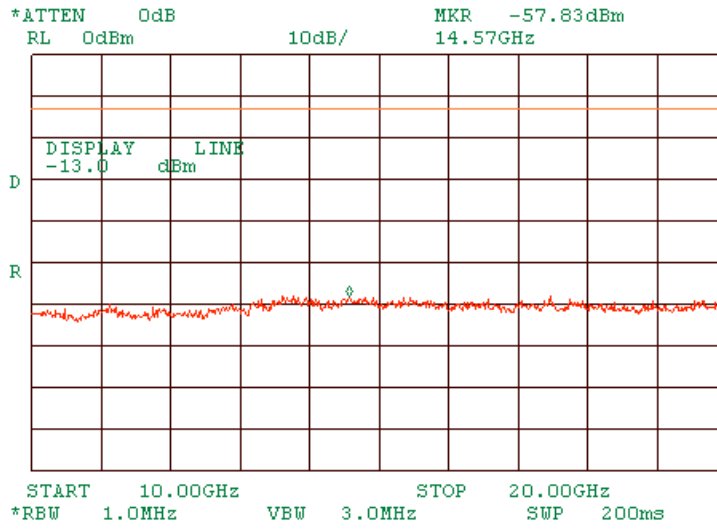
CDMA transmit mode 1910 – 2000 MHz.



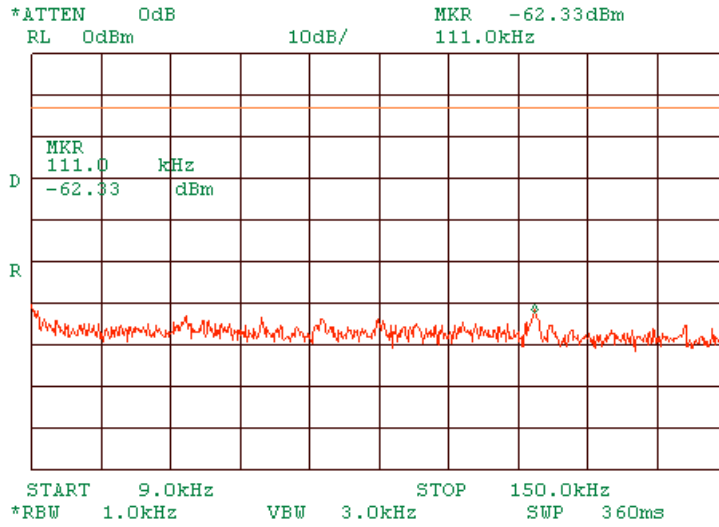
CDMA transmit mode 2000 – 10000 MHz.



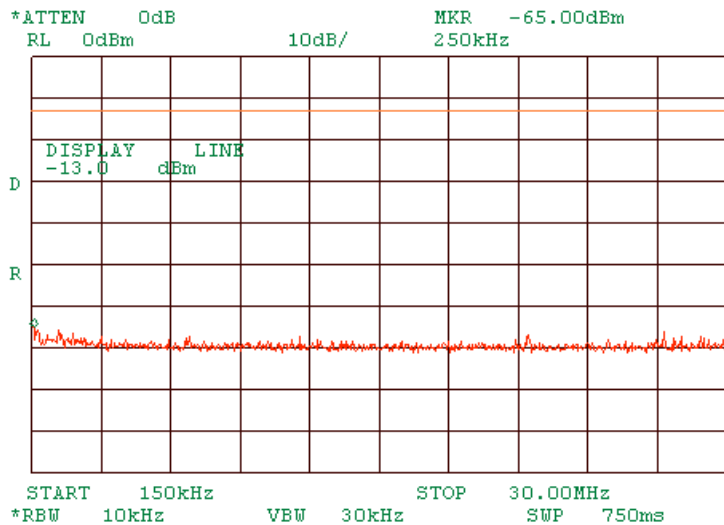
CDMA transmit mode 10000 – 20000 MHz.



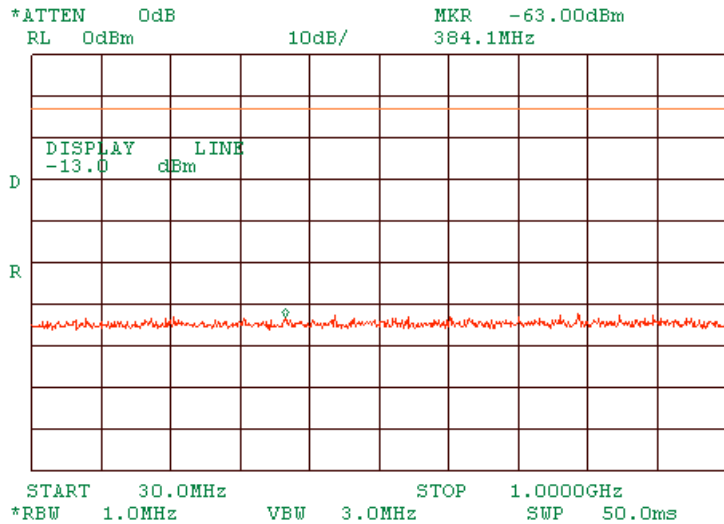
Modulation = PI/4 DQPSK
Bit Rate = 48.6 kbps
IP = -50 dBm
TDMA transmit mode 9 – 150 kHz.



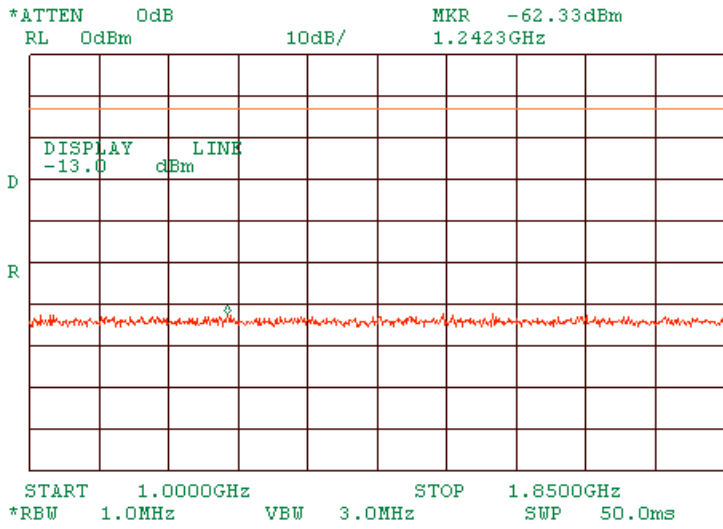
TDMA transmit mode 0.150 – 30 MHz.



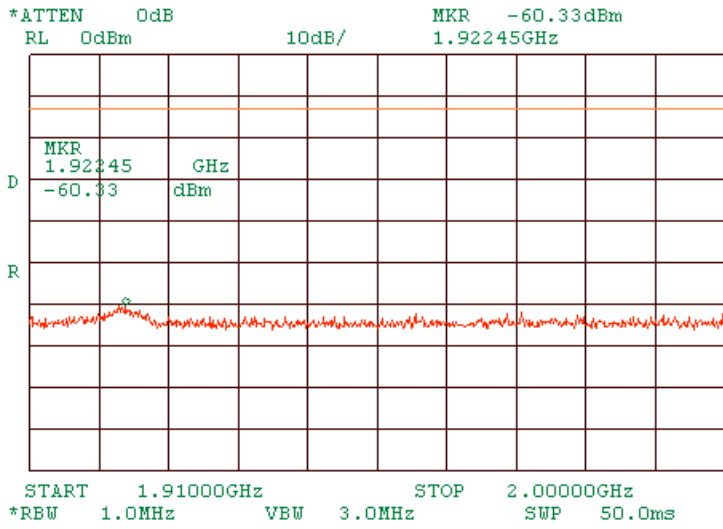
TDMA transmit mode 30 – 1000 MHz.



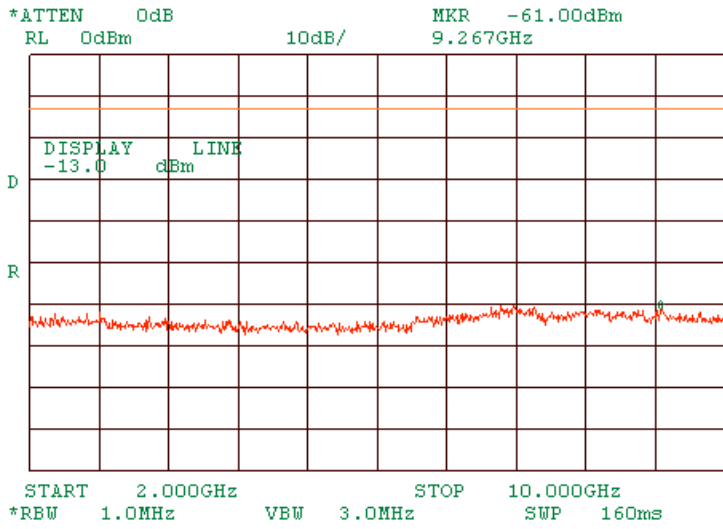
TDMA transmit mode 1000 – 1850 MHz.



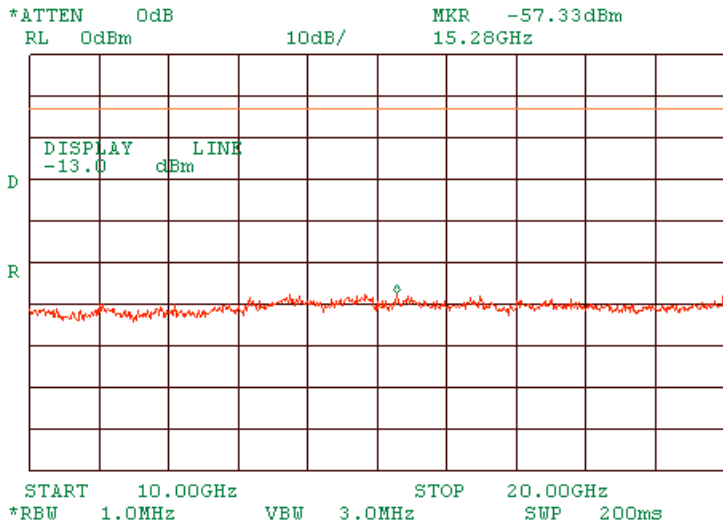
TDMA transmit mode 1910 – 2000 MHz.



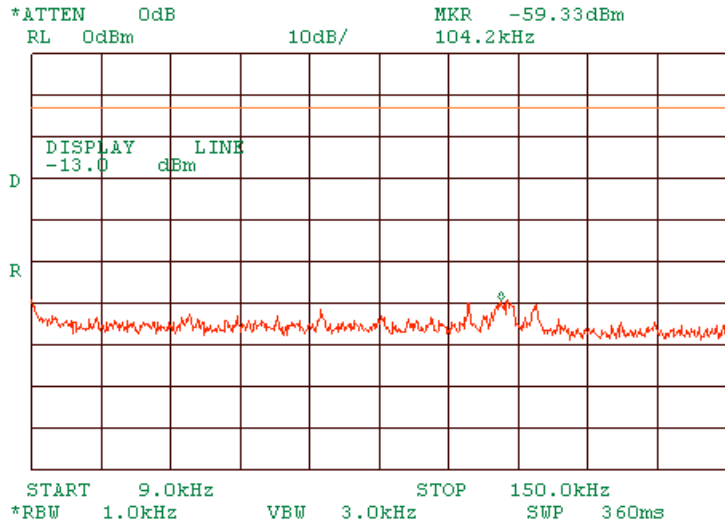
TDMA transmit mode 2000 – 10000 MHz.



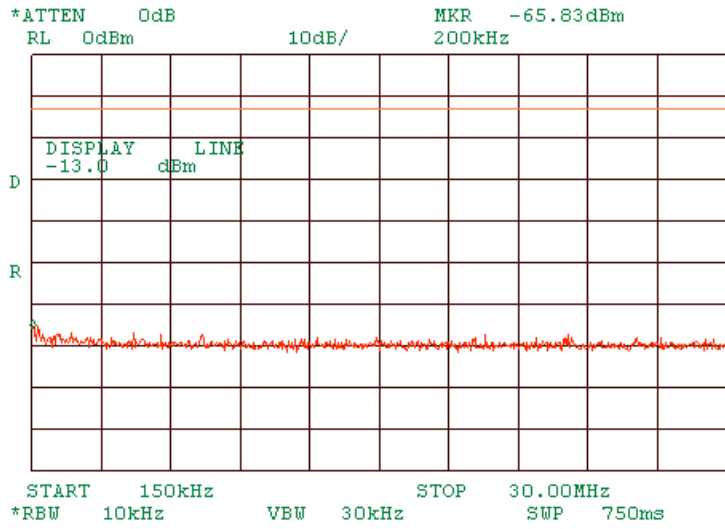
TDMA transmit mode 10000 – 20000 MHz.



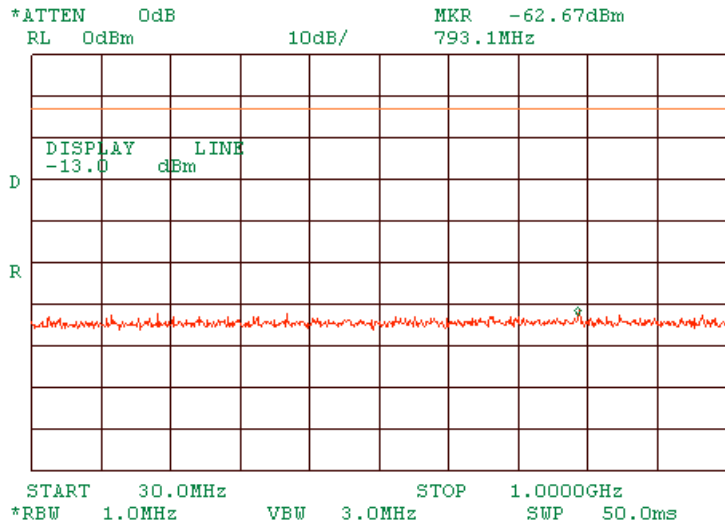
Modulation = PI/4 DQPSK
Bit Rate = 48.6 kbps
IP = -25 dBm
TDMA transmit mode 9 – 150 kHz.



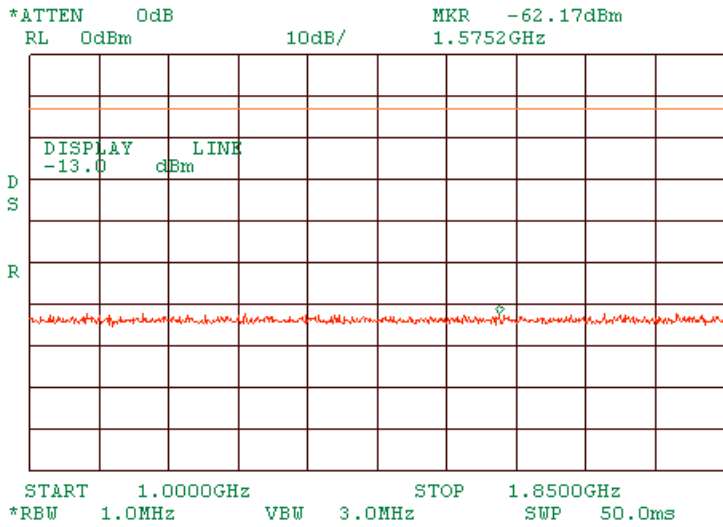
TDMA transmit mode 0.150 – 30 MHz.



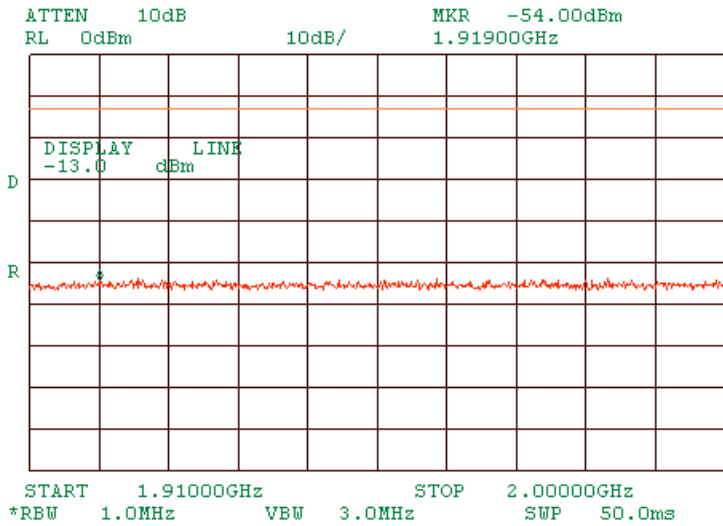
TDMA transmit mode 30 – 1000 MHz.



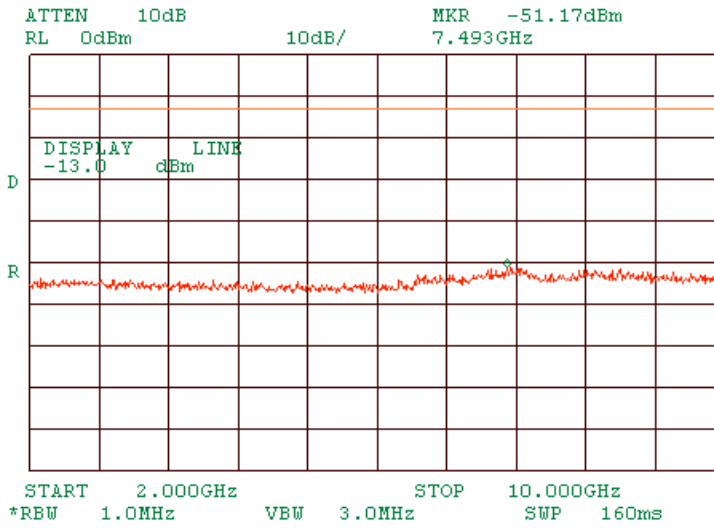
TDMA transmit mode 1000 – 1850 MHz.



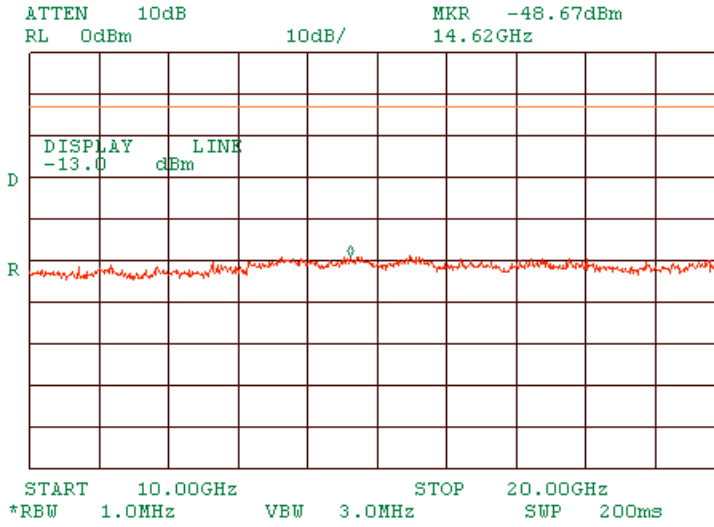
TDMA transmit mode 1910 – 2000 MHz.



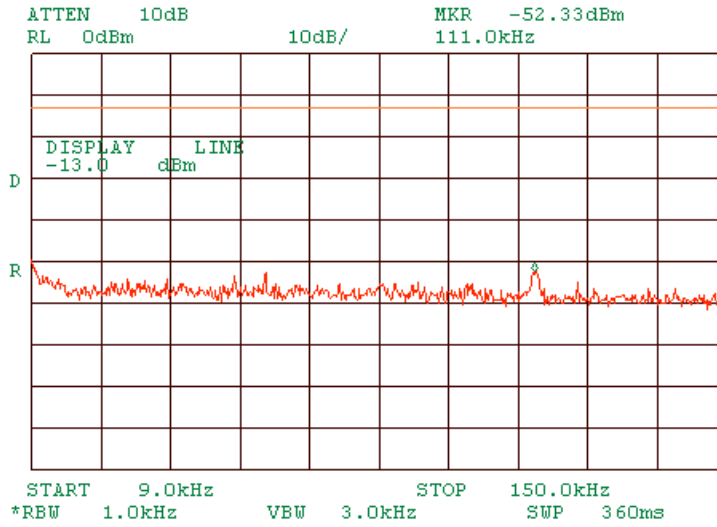
TDMA transmit mode 2000 – 10000 MHz.



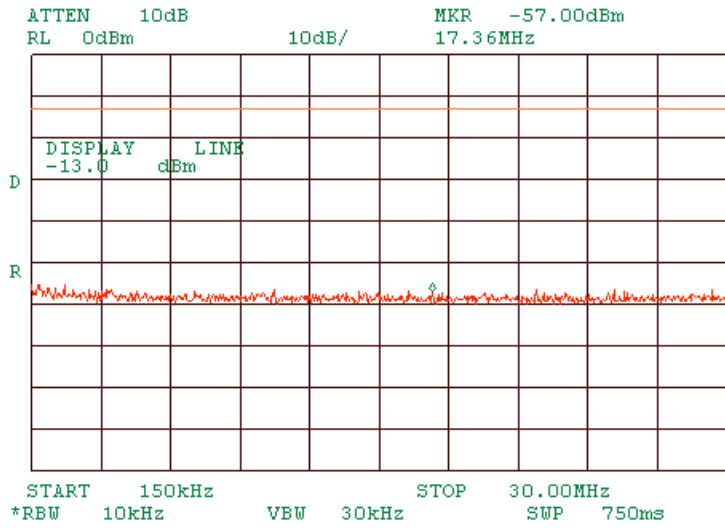
TDMA transmit mode 10000 – 20000 MHz.



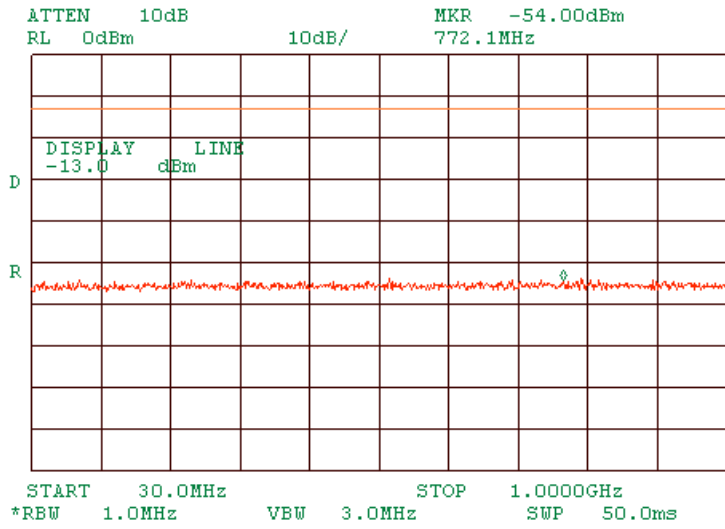
Modulation = GMSK
Bit Rate = 270.833 kbps
IP = -25 dBm
GSM transmit mode 9 – 150 kHz.



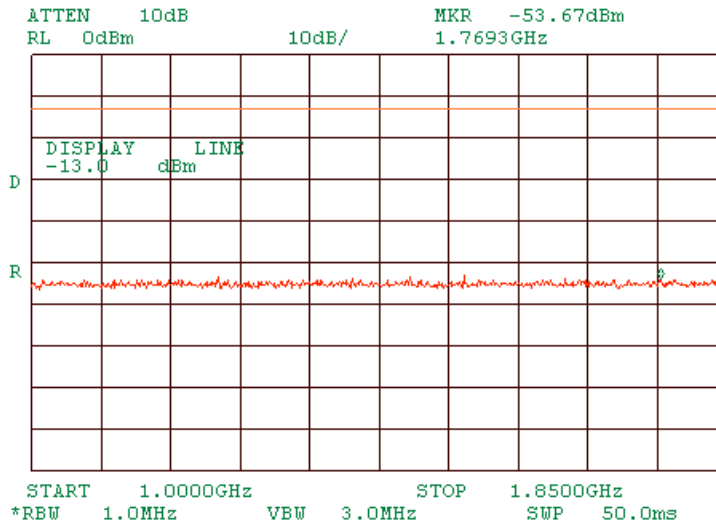
GSM transmit mode 0.150 – 30 MHz.



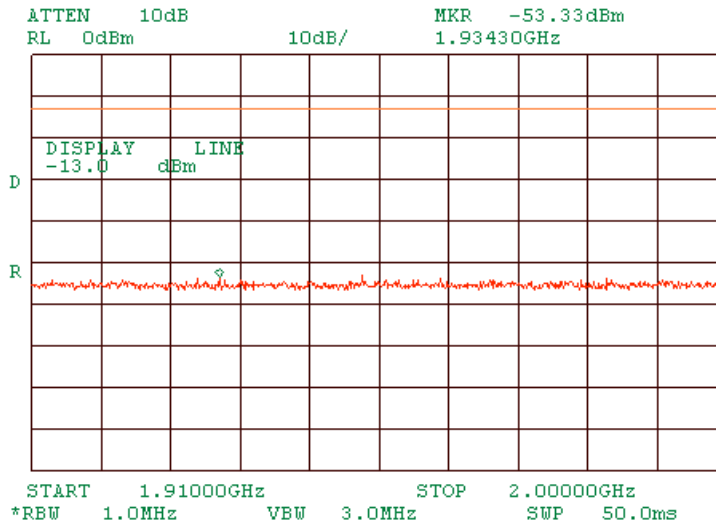
GSM transmit mode 30 – 1000 MHz.



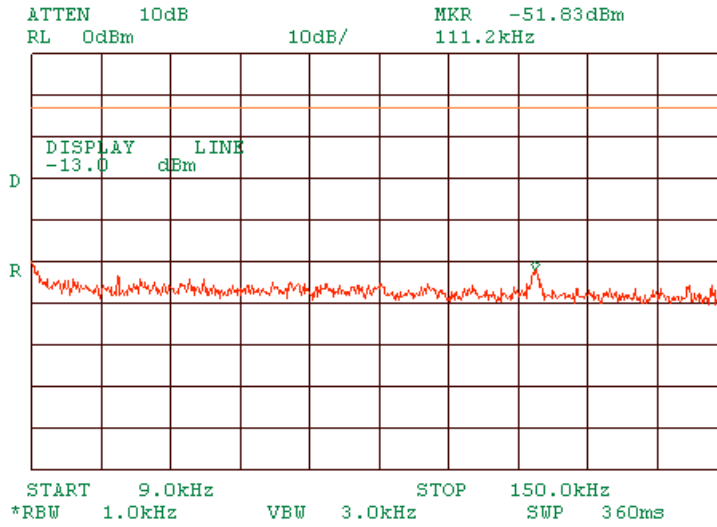
GSM transmit mode 1000 – 1850 MHz.



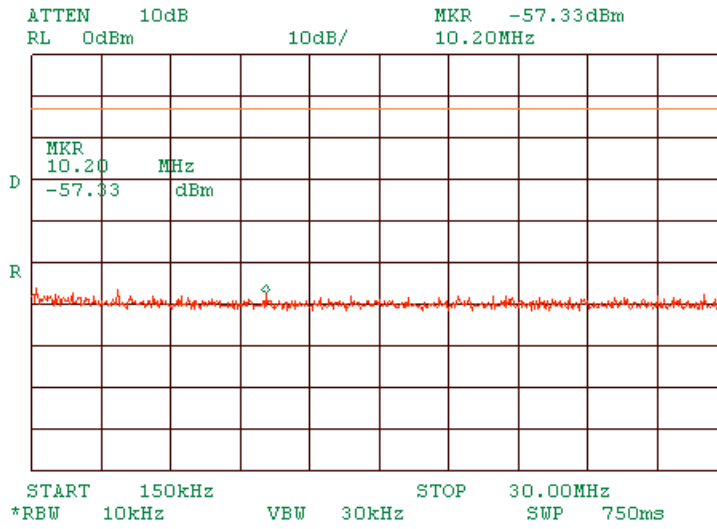
GSM transmit mode 1910 – 2000 MHz.



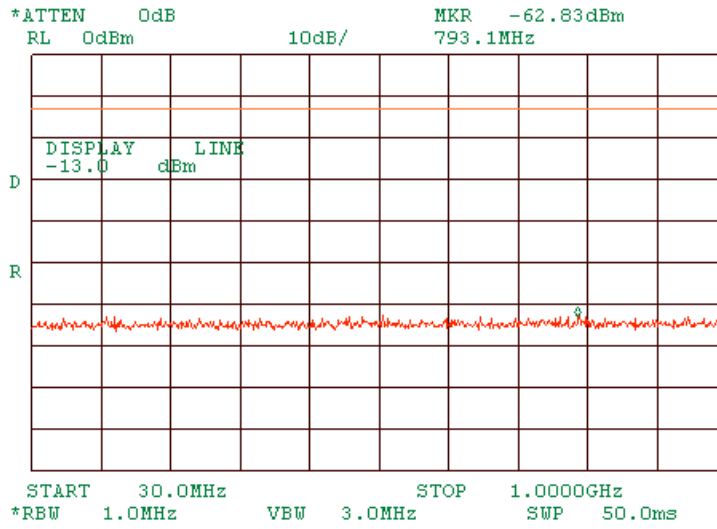
Modulation = GMSK
Bit Rate = 270.833 kbps
IP = -50 dBm
GSM transmit mode 9 – 150 kHz.



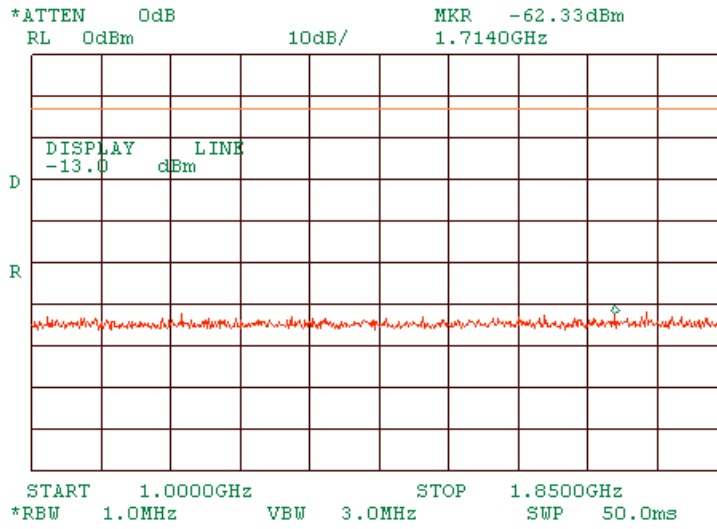
GSM transmit mode 0.150 – 30 MHz.



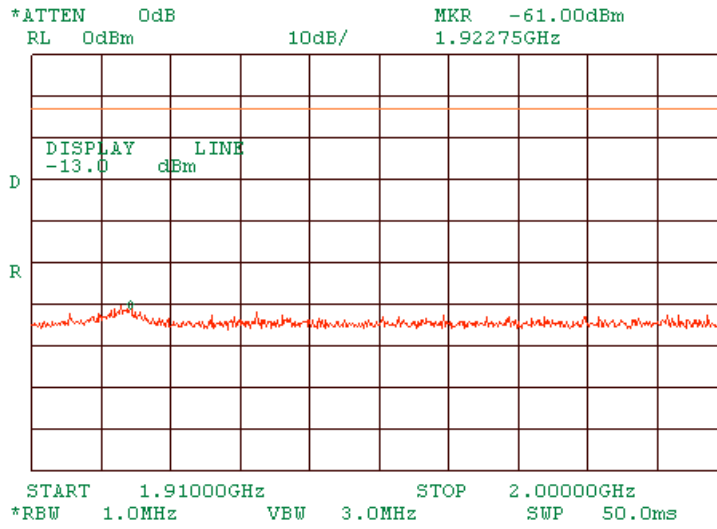
GSM transmit mode 30 – 1000 MHz.



GSM transmit mode 1000 – 1850 MHz.



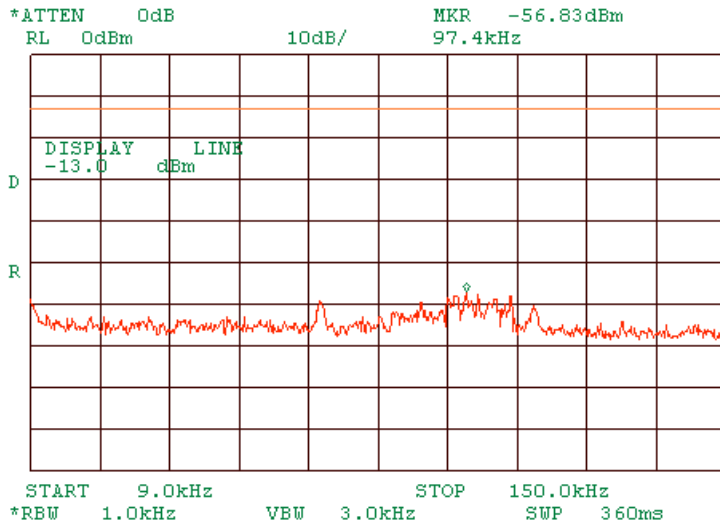
GSM transmit mode 1910 – 2000 MHz.



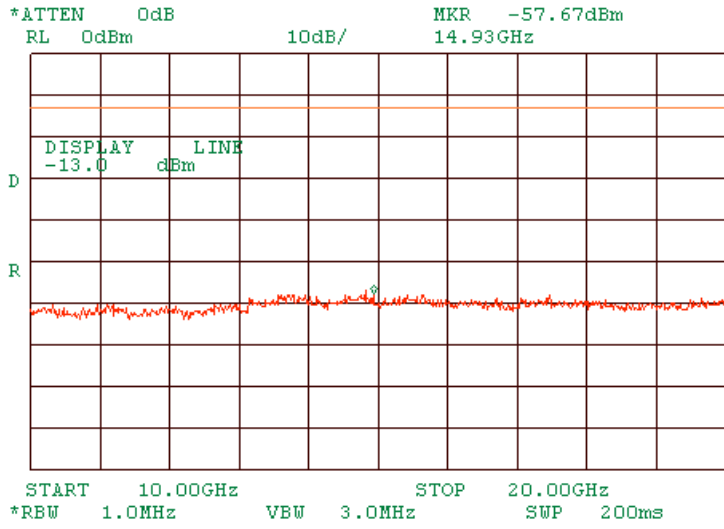
Date 17 May 2004
Test Conducted spurious emissions
Project 15867, Mobile Access 1200 Add-on optical link
Humidity 43%
Temperature 23C
Air pressure 1009hPa
Test equipment 1424, 2399, 1097, 2524
Assigned band Downlink: 1930 – 1990MHz Uplink: 1850 – 1910MHz
IP = input power
Op = output power
G = gain
Mod = input modulation

Conducted spurious emissions UPLINK

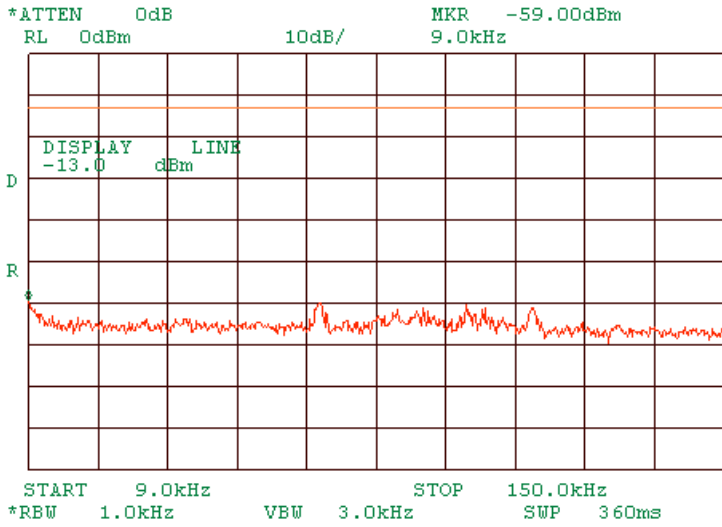
Modulation = Pi/4 DQPSK
Bit Rate = 48.66 kbps
IP = -50 dBm
GSM transmit mode 9 – 150 kHz.



GSM transmit mode 10000 – 20000 MHz.



Modulation = QPSK
Bit Rate = 1.288 Mbps
IP = -25 dBm
CDMA transmit mode 9 – 150 kHz.



CDMA transmit mode 0.150 – 30 MHz.

