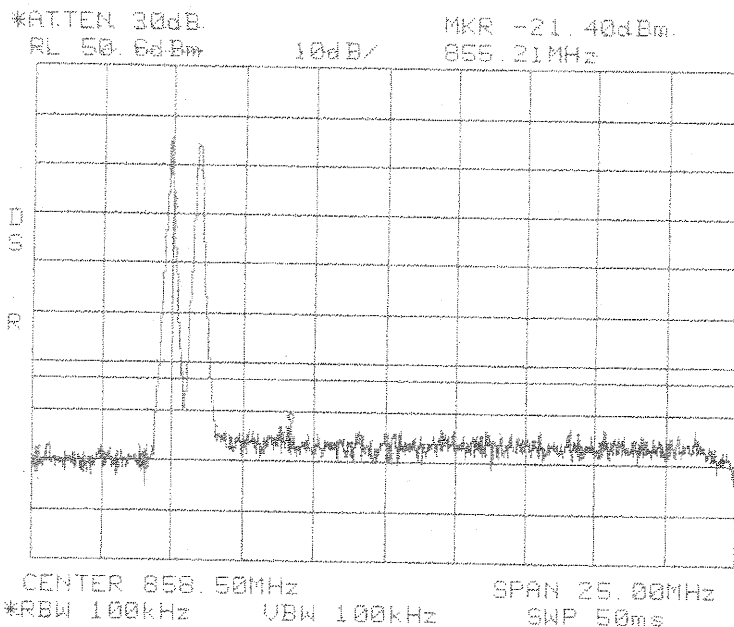
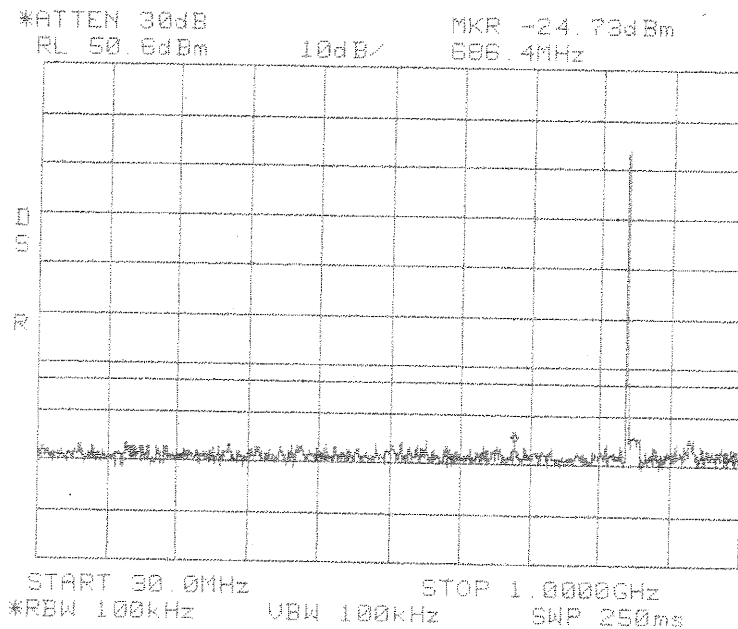


Center: 858.5 MHz  
Span: 25 MHz



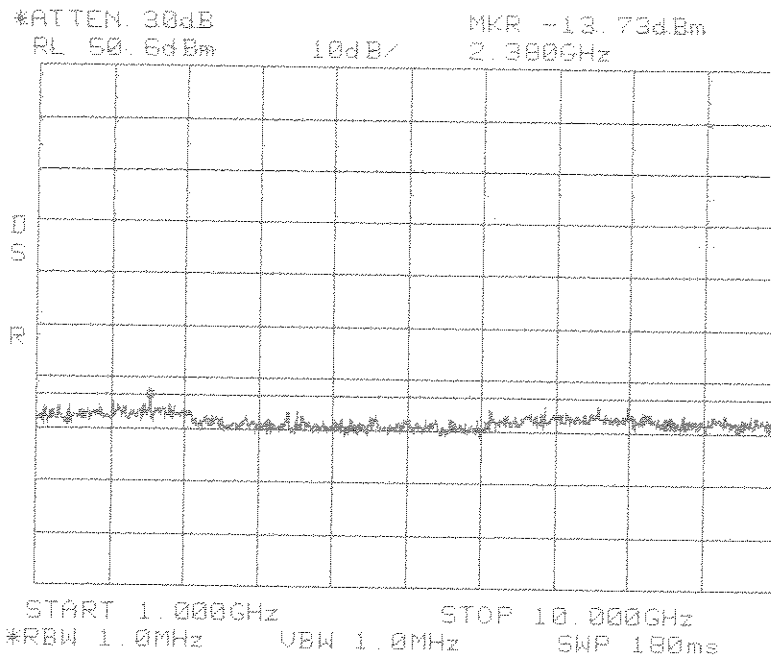
**Intermodulation**  
**Close**  
**Lower**  
**16QAM**  
**SMR 800 MHz**



**Intermodulation**  
**Close**  
**Lower**  
**16QAM**  
**SMR 800 MHz**

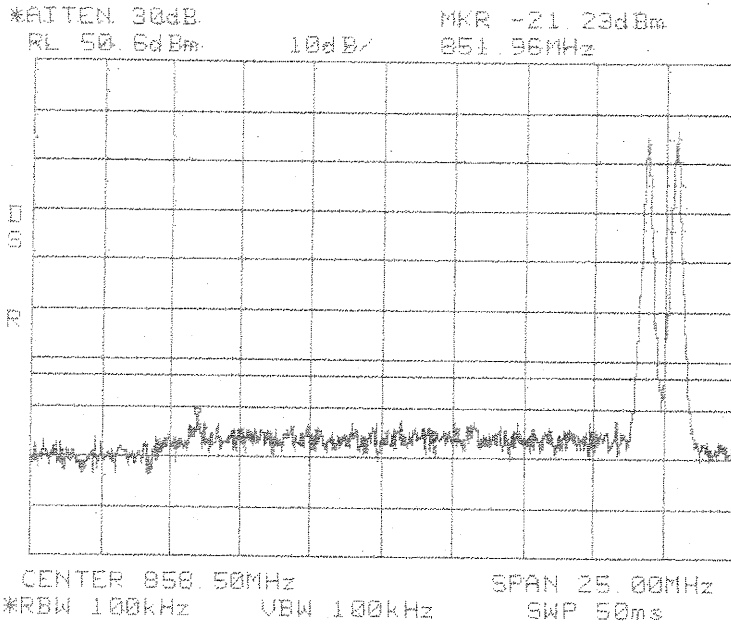
Span: 30 MHz to 1 GHz

Span: 1 GHz to 10 GHz  
RBW/VBW: 1 MHz

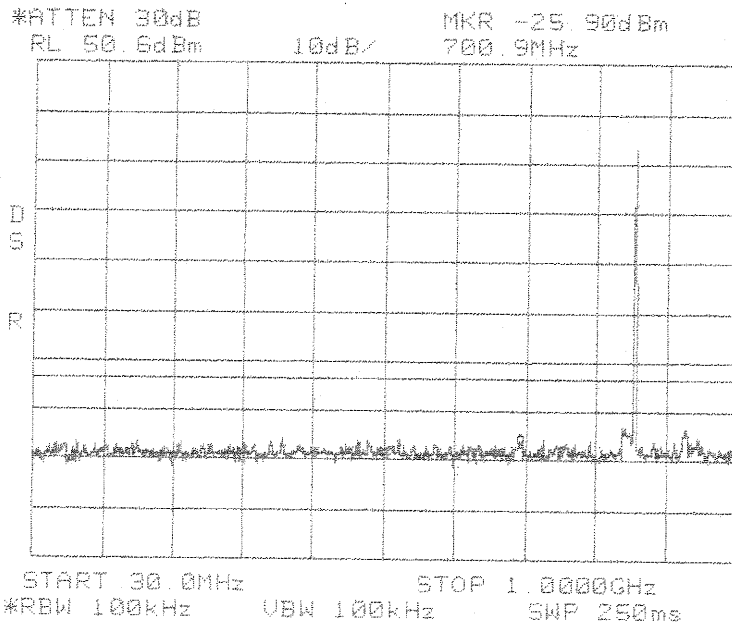


**Intermodulation  
Close  
Lower  
16QAM  
SMR 800 MHz**

Center: 858.5 MHz  
Span: 25 MHz



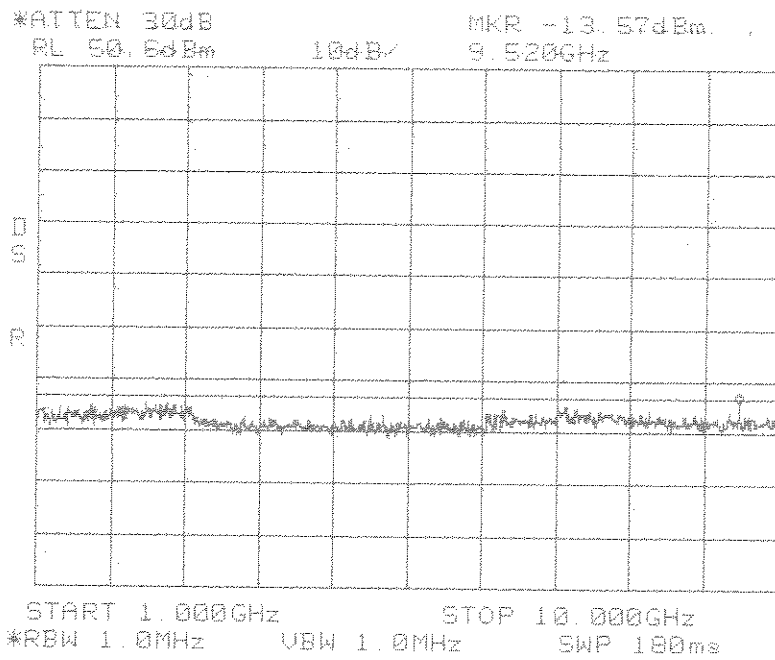
**Intermodulation  
Close  
Upper  
16QAM  
SMR 800 MHz**



**Intermodulation  
Close  
Upper  
16QAM  
SMR 800 MHz**

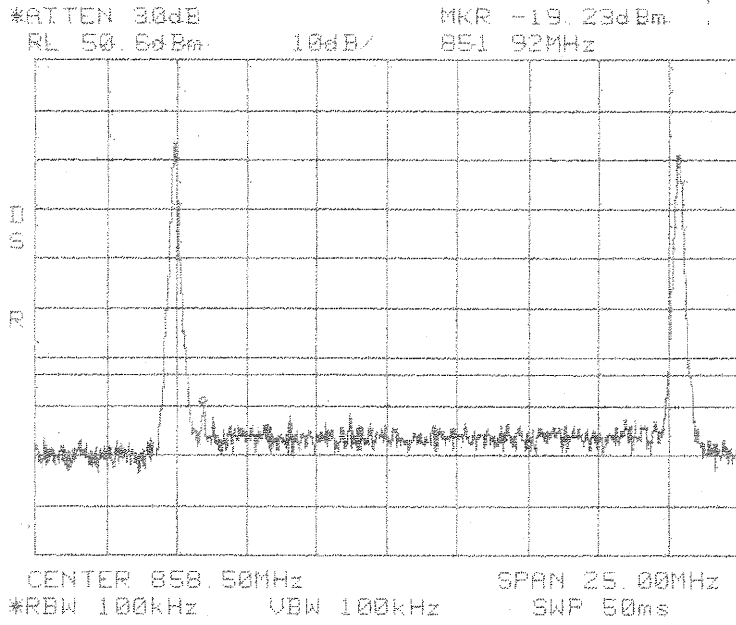
Span: 30 MHz to 1 GHz

Span: 1 GHz to 10 GHz  
RBW/VBW: 1 MHz

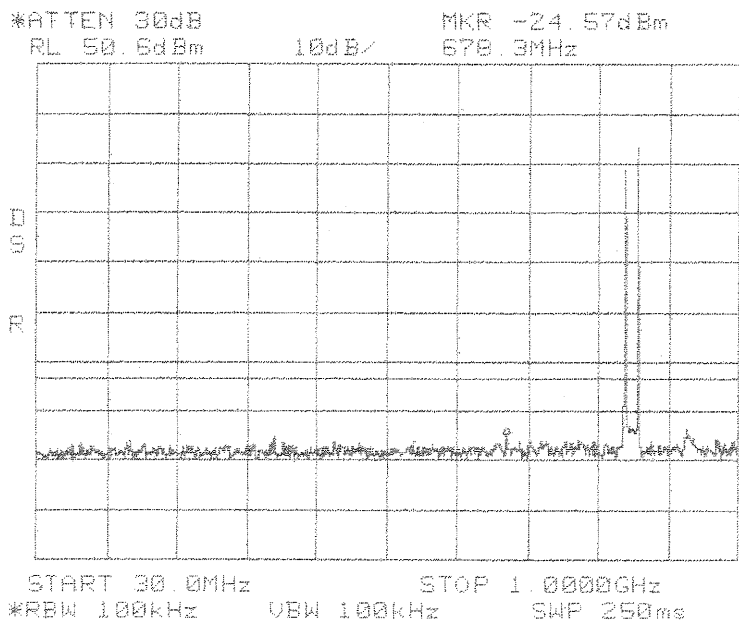


**Intermodulation  
Close  
Upper  
16QAM  
SMR 800 MHz**

Center: 858.5 MHz  
Span: 25 MHz



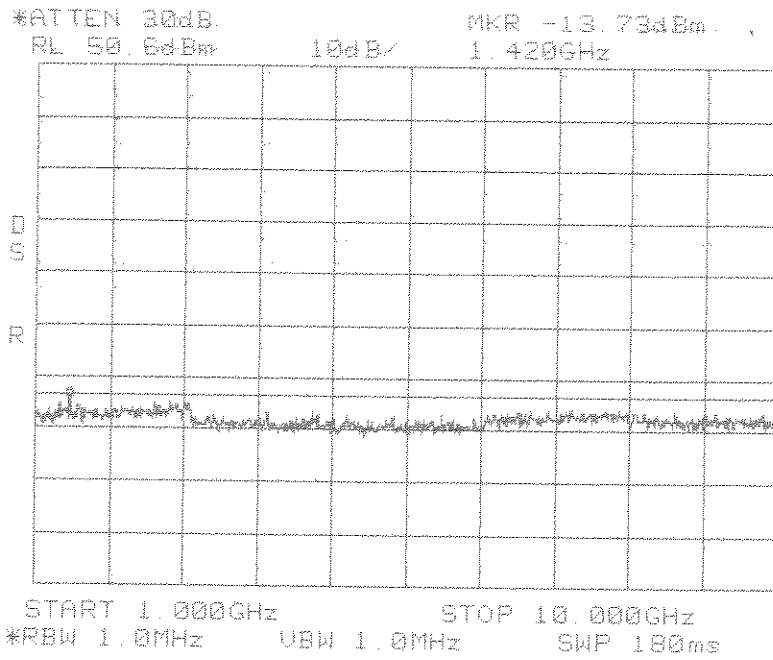
**Intermodulation  
Apart  
16QAM  
SMR 800 MHz**



**Intermodulation  
Apart  
16QAM  
SMR 800 MHz**

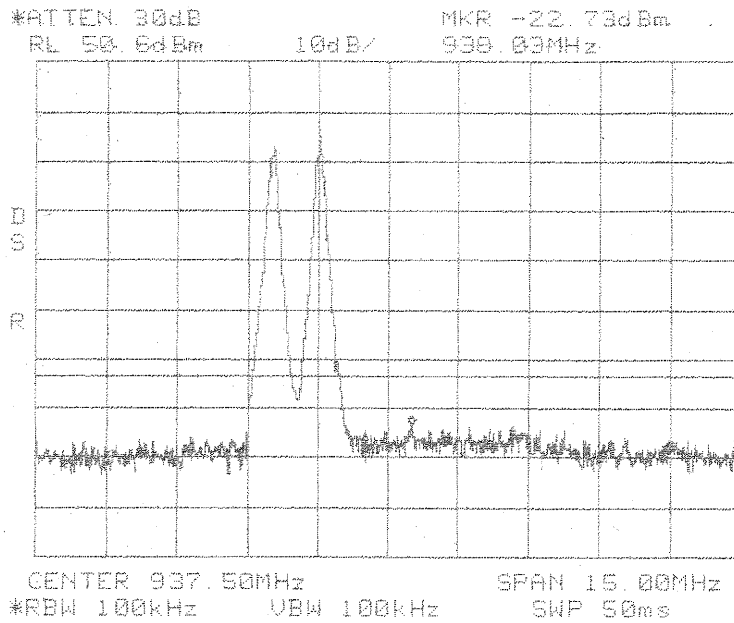
Span: 30 MHz to 1 GHz

Span: 1 GHz to 10 GHz  
RBW/VBW: 1 MHz

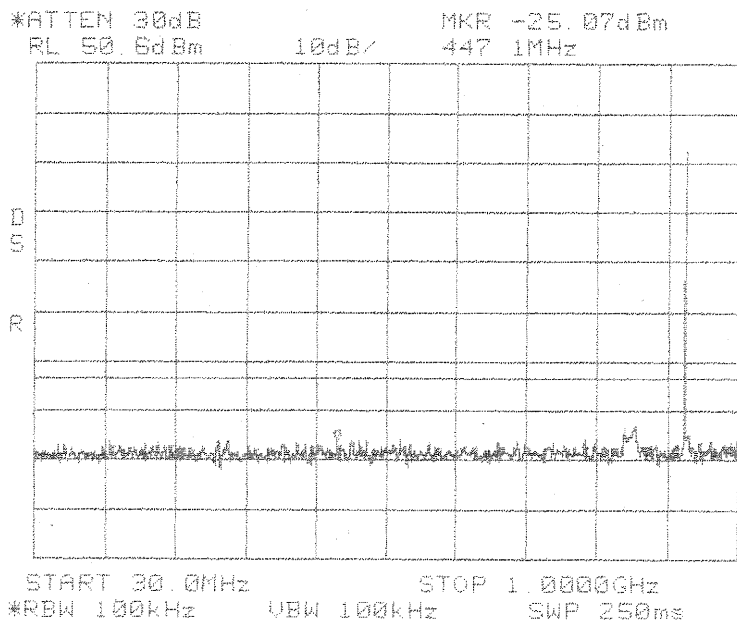


**Intermodulation  
Apart  
16QAM  
SMR 800 MHz**

Center: 937.5 MHz  
Span: 15 MHz



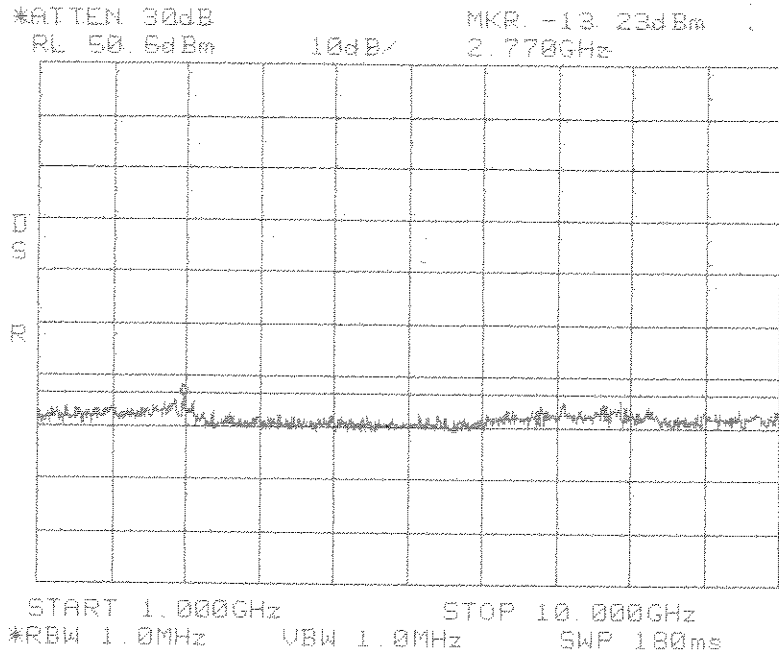
**Intermodulation**  
**Close**  
**Lower**  
**16QAM**  
**SMR 900 MHz**



**Intermodulation**  
**Close**  
**Lower**  
**16QAM**  
**SMR 900 MHz**

Span: 30 MHz to 1 GHz

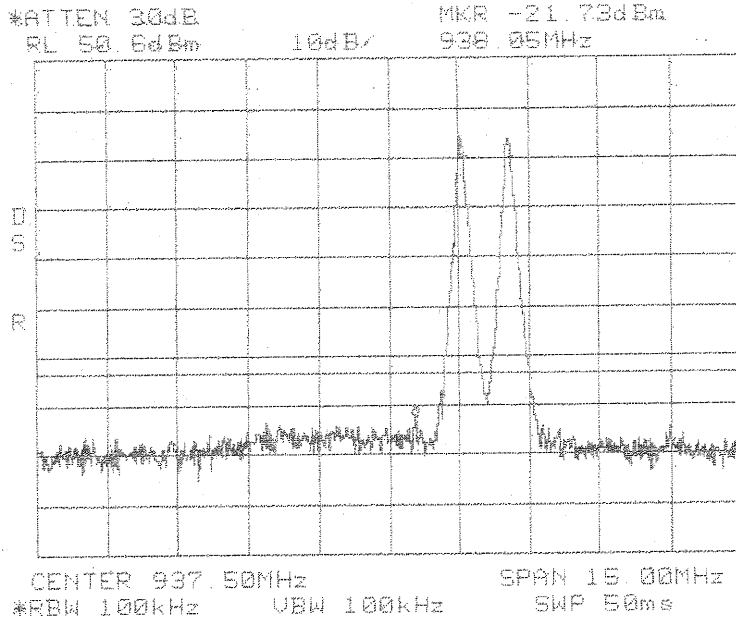
Span: 1 GHz to 10 GHz  
RBW/VBW: 1 MHz



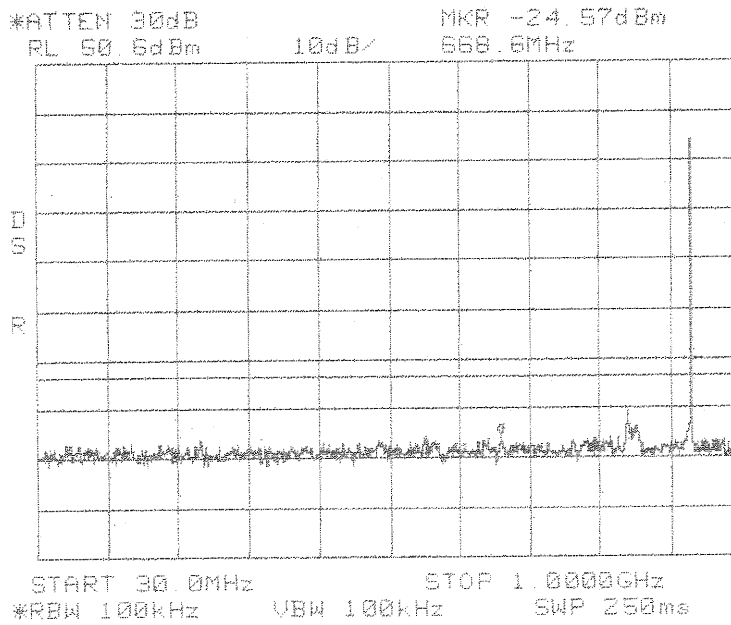
**Intermodulation**  
**Close**  
**Lower**  
**16QAM**  
**SMR 900 MHz**



Center: 937.5 MHz  
Span: 15 MHz



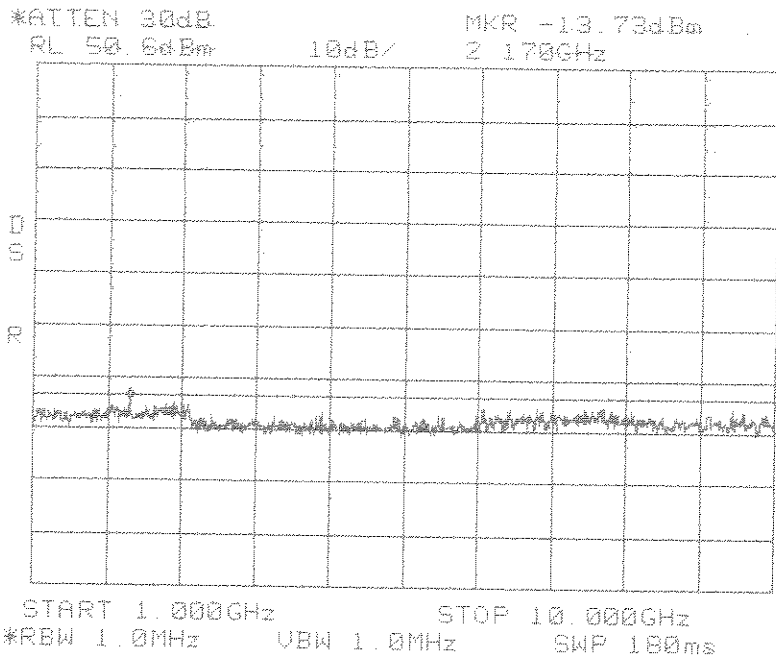
**Intermodulation**  
**Close**  
**Upper**  
**16QAM**  
**SMR 900 MHz**



**Intermodulation**  
**Close**  
**Upper**  
**16QAM**  
**SMR 900 MHz**

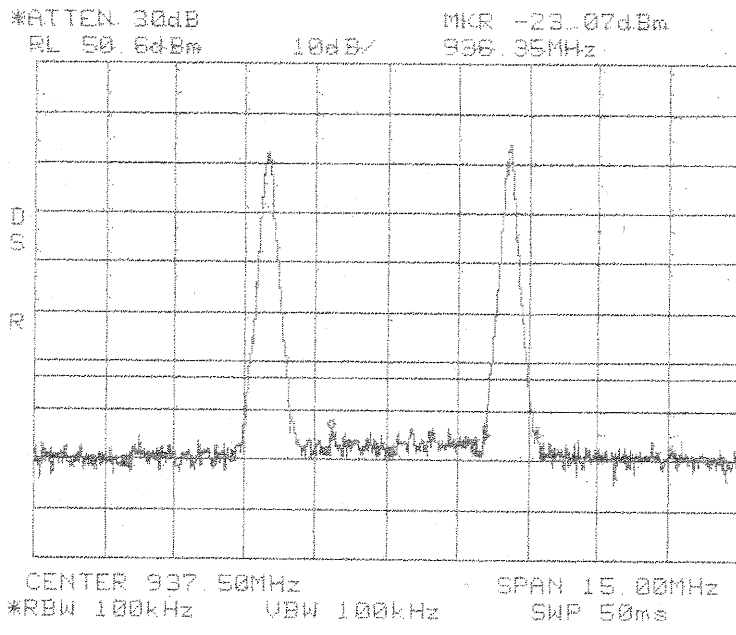
Span: 30 MHz to 1 GHz

Span: 1 GHz to 10 GHz  
RBW/VBW: 1 MHz

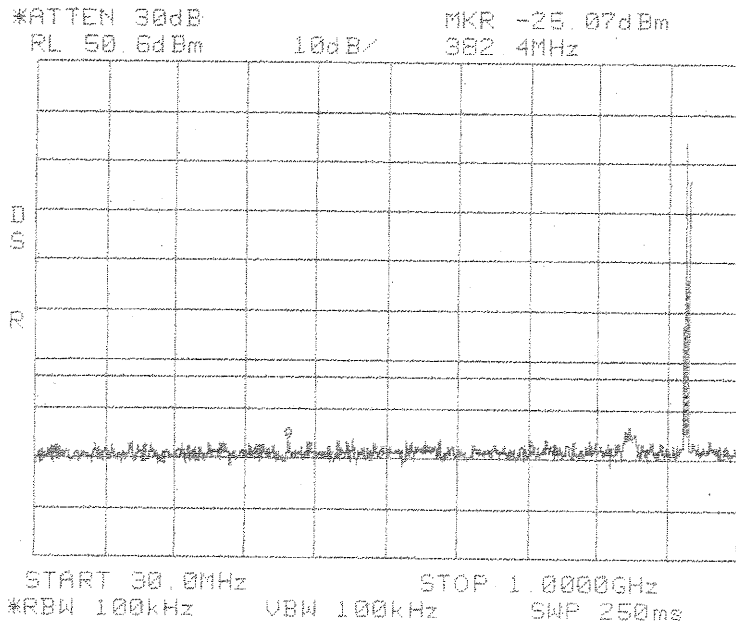


**Intermodulation**  
**Close**  
**Upper**  
**16QAM**  
**SMR 900 MHz**

Center: 937.5 MHz  
Span: 15 MHz



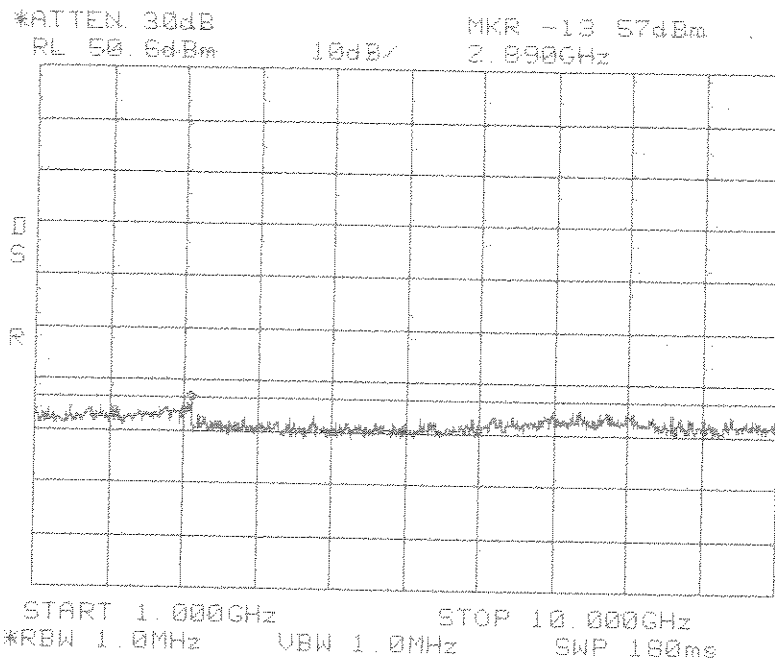
**Intermodulation  
Apart  
16QAM  
SMR 900 MHz**



**Intermodulation  
Apart  
16QAM  
SMR 900 MHz**

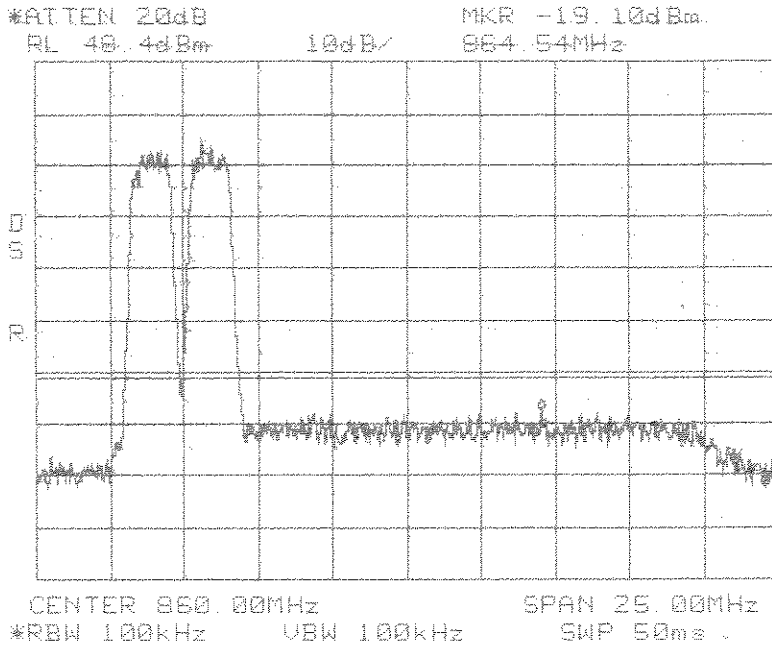
Span: 30 MHz to 1 GHz

Span: 1 GHz to 10 GHz  
RBW/VBW: 1 MHz

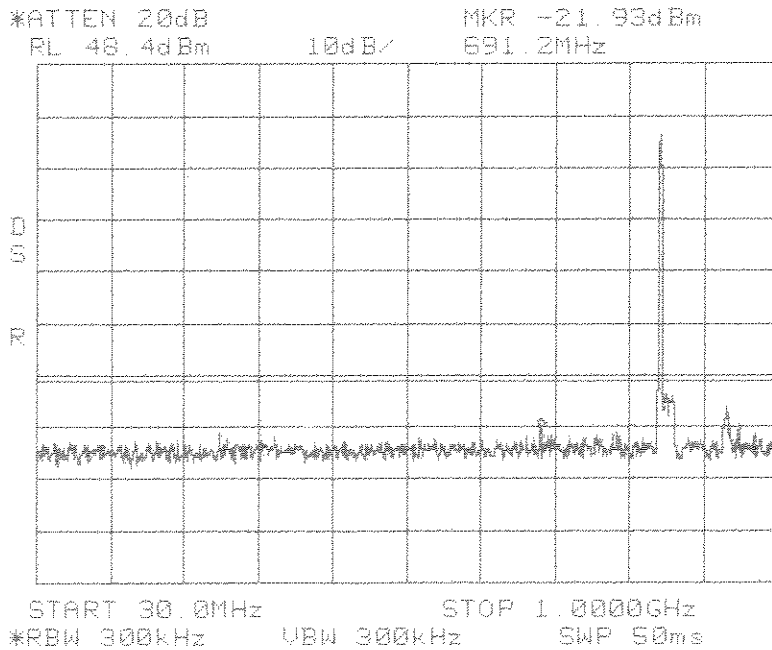


**Intermodulation  
Apert  
16QAM  
SMR 900 MHz**

Center: 860.0 MHz  
Span: 25 MHz  
RBW/VBW: 100 kHz



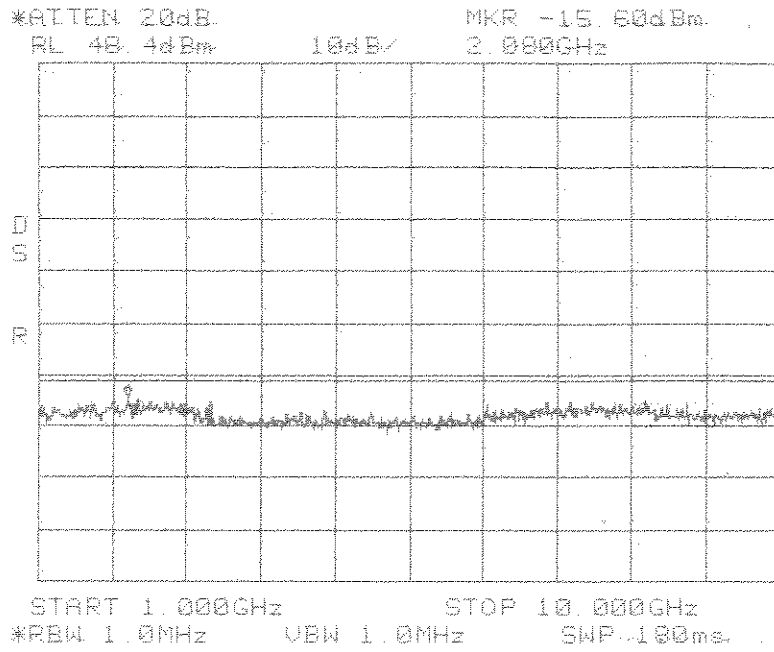
**Intermodulation  
Close  
Lower  
CDMA  
SMR 800 MHz**



**Intermodulation  
Close  
Lower  
CDMA  
SMR 800 MHz**

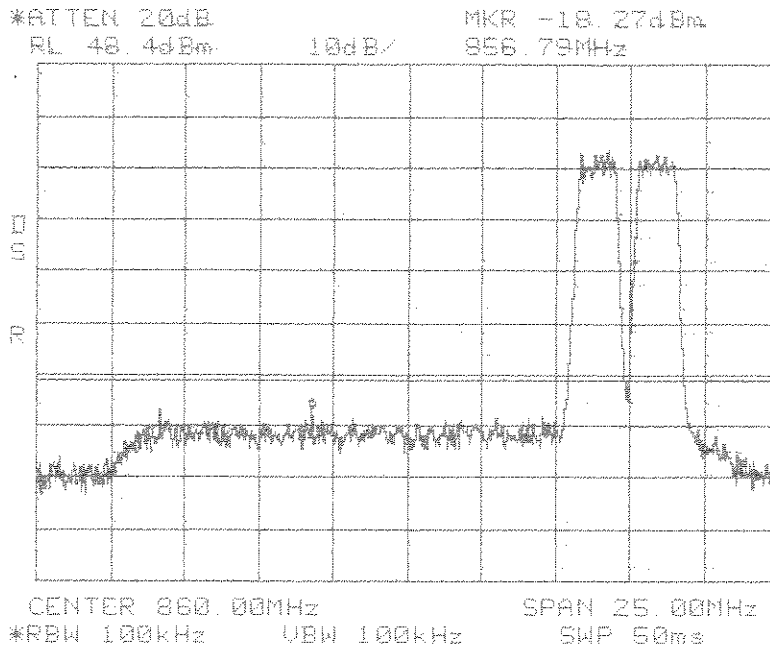
Span: 30 MHz to 1 GHz  
RBW/VBW: 300 kHz

Span: 1 GHz to 10 GHz  
RBW/VBW: 1 MHz

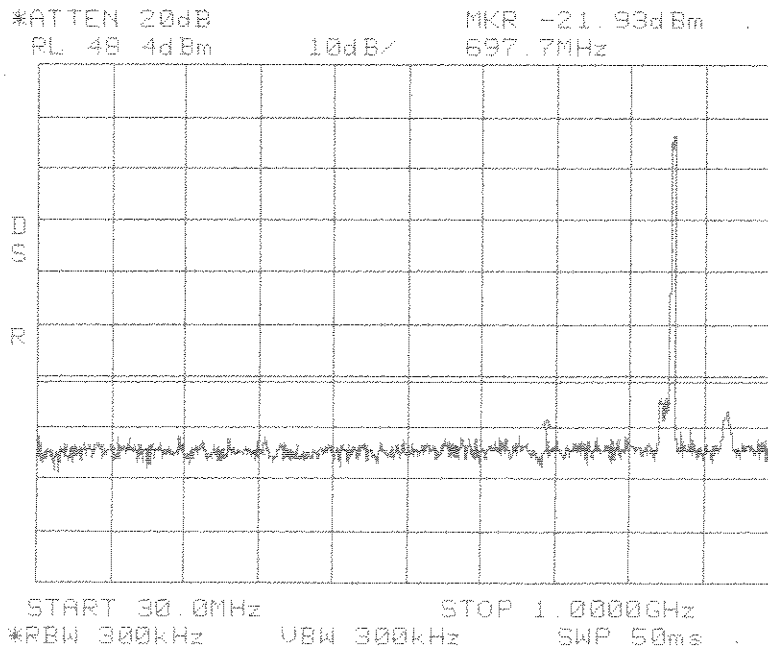


**Intermodulation  
Close  
Lower  
CDMA  
SMR 800 MHz**

Center: 860.0 MHz  
Span: 25 MHz  
RBW/VBW: 100 kHz



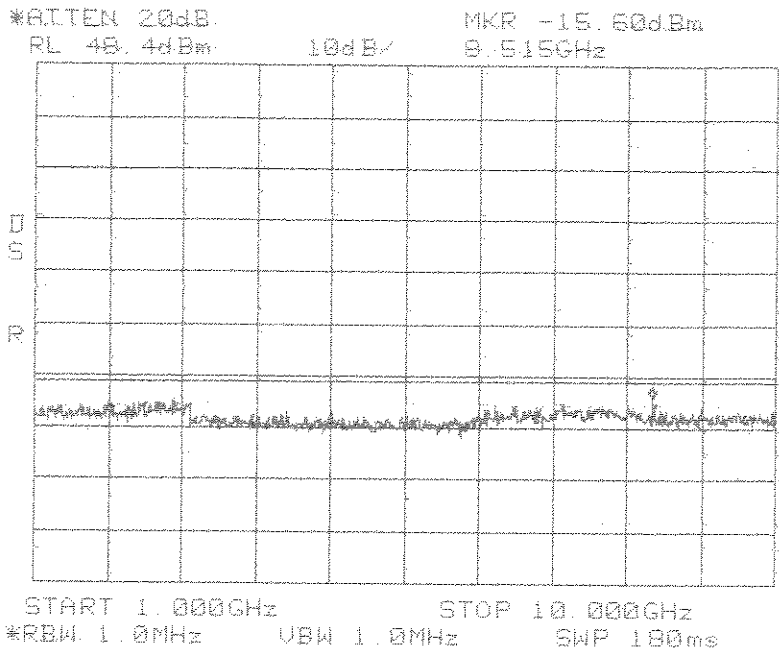
**Intermodulation  
Close  
Upper  
CDMA  
SMR 800 MHz**



**Intermodulation  
Close  
Upper  
CDMA  
SMR 800 MHz**

Span: 30 MHz to 1 GHz  
RBW/VBW: 300 kHz

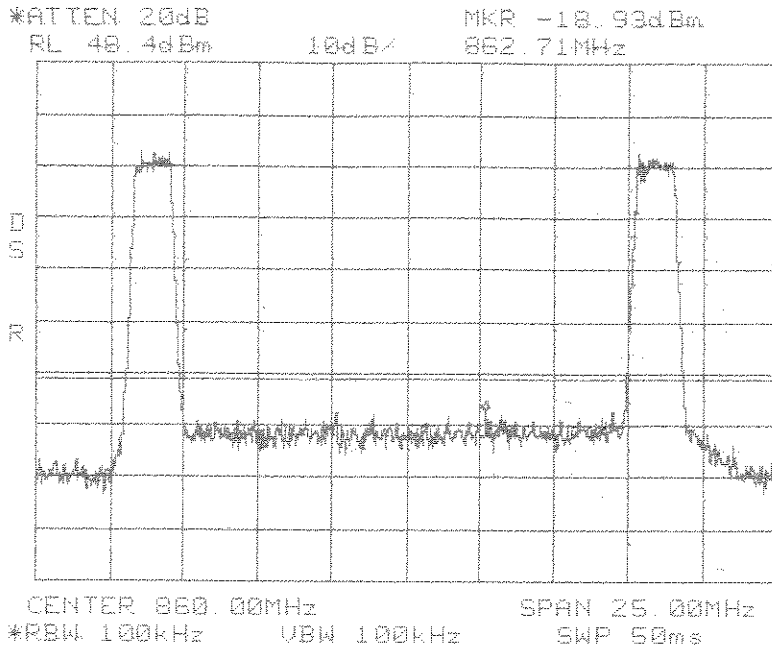
Span: 1 GHz to 10 GHz  
RBW/VBW: 1 MHz



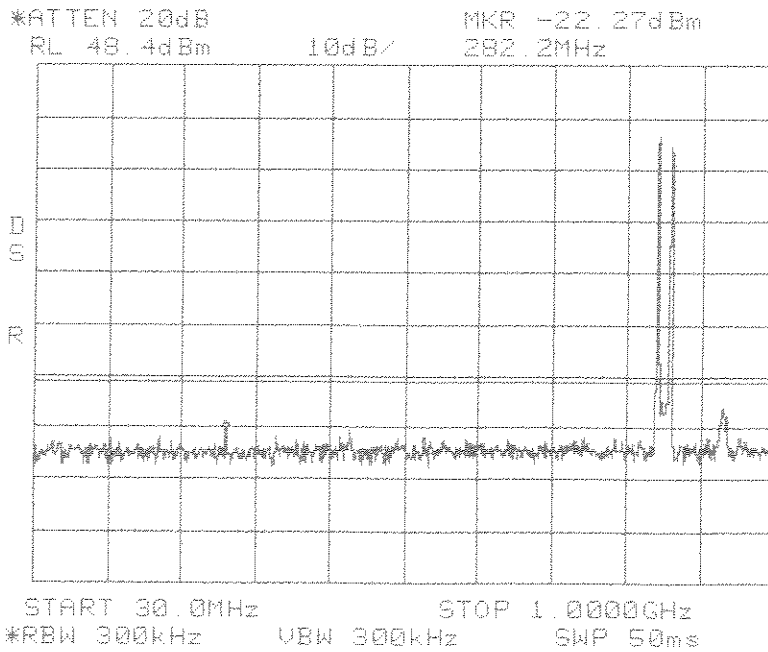
**Intermodulation  
Close  
Upper  
CDMA  
SMR 800 MHz**



Center: 860.0 MHz  
Span: 25 MHz  
RBW/VBW: 100 kHz



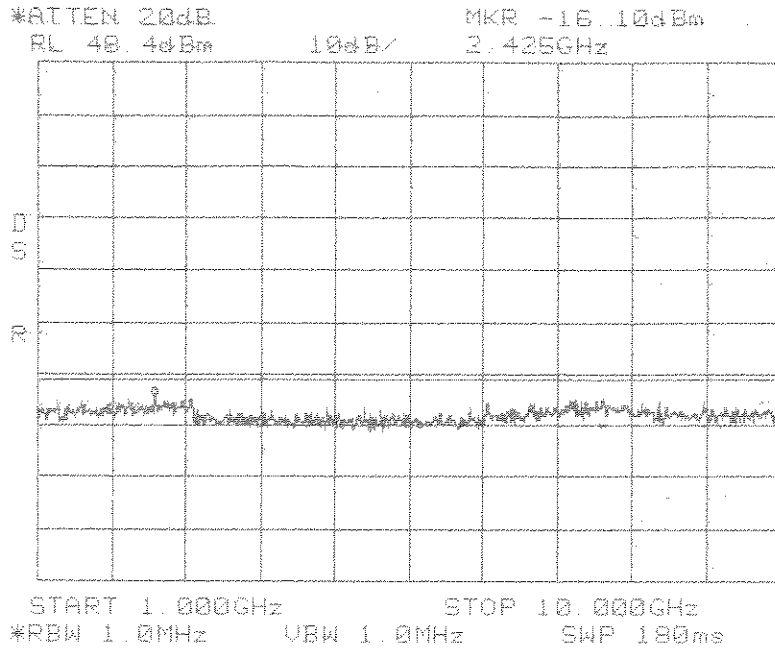
**Intermodulation  
Apart  
CDMA  
SMR 800 MHz**



**Intermodulation  
Apart  
CDMA  
SMR 800 MHz**

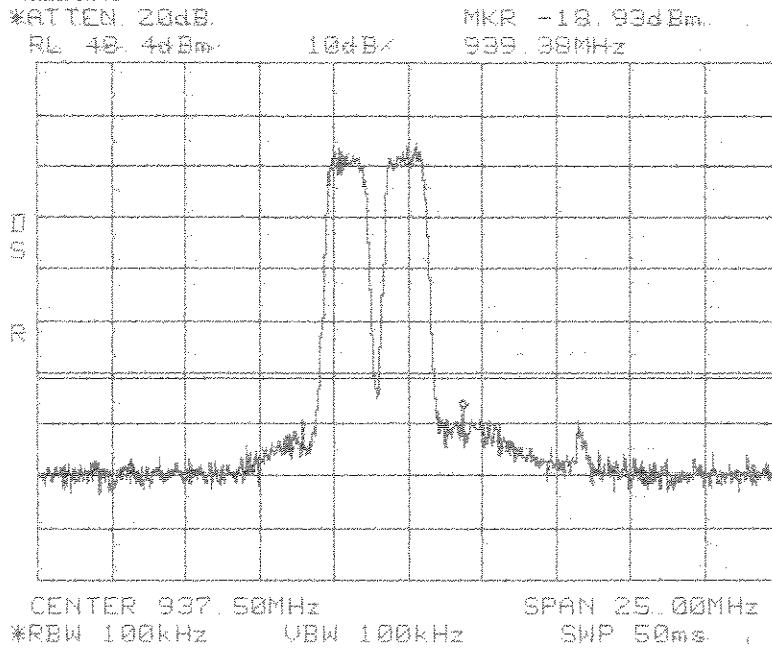
Span: 30 MHz to 1 GHz  
RBW/VBW: 300 kHz

Span: 1 GHz to 10 GHz  
RBW/VBW: 1 MHz

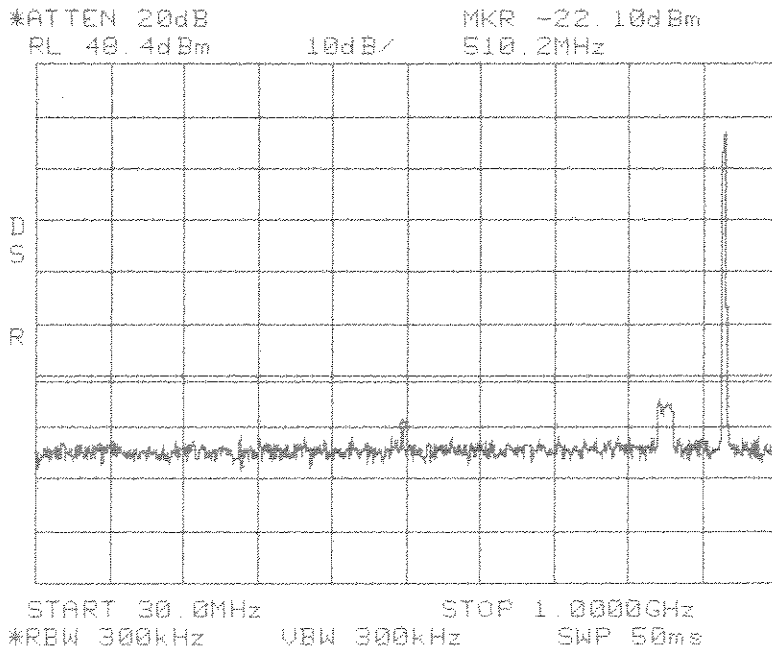


**Intermodulation  
Apart  
CDMA  
SMR 800 MHz**

Center: 937.5 MHz  
Span: 15 MHz  
RBW/VBW: 100 kHz



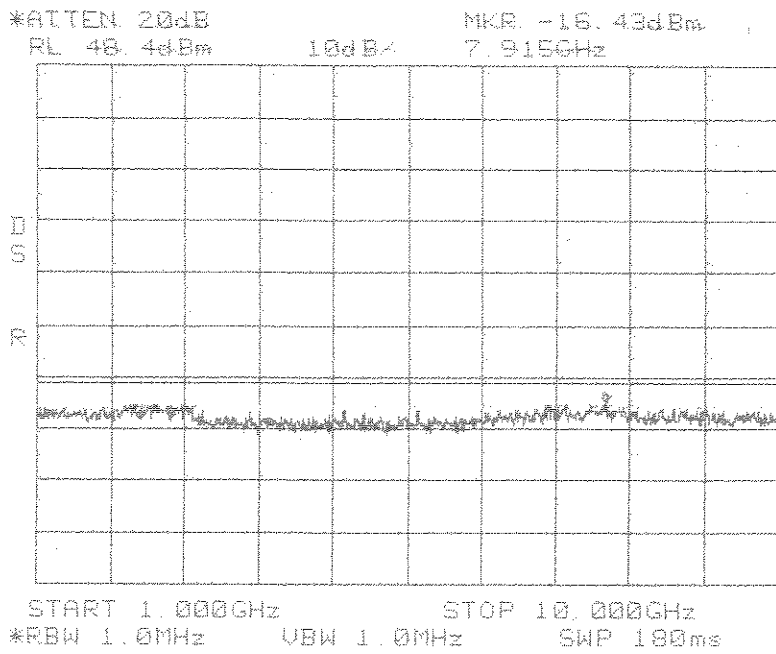
**Intermodulation  
Close  
Lower  
CDMA  
SMR 900 MHz**



**Intermodulation  
Close  
Lower  
CDMA  
SMR 900 MHz**

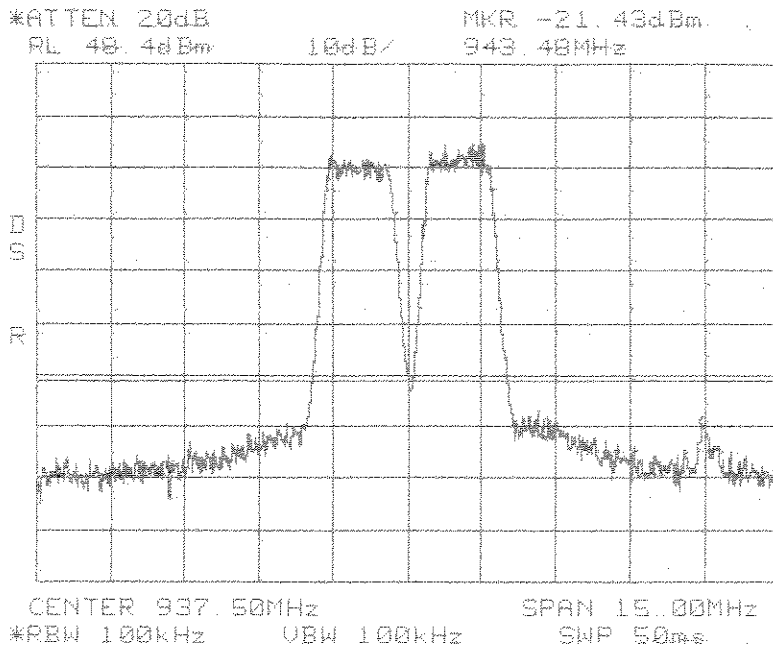
Span: 30 MHz to 1 GHz  
RBW/VBW: 300 kHz

Span: 1 GHz to 10 GHz  
RBW/VBW: 1 MHz

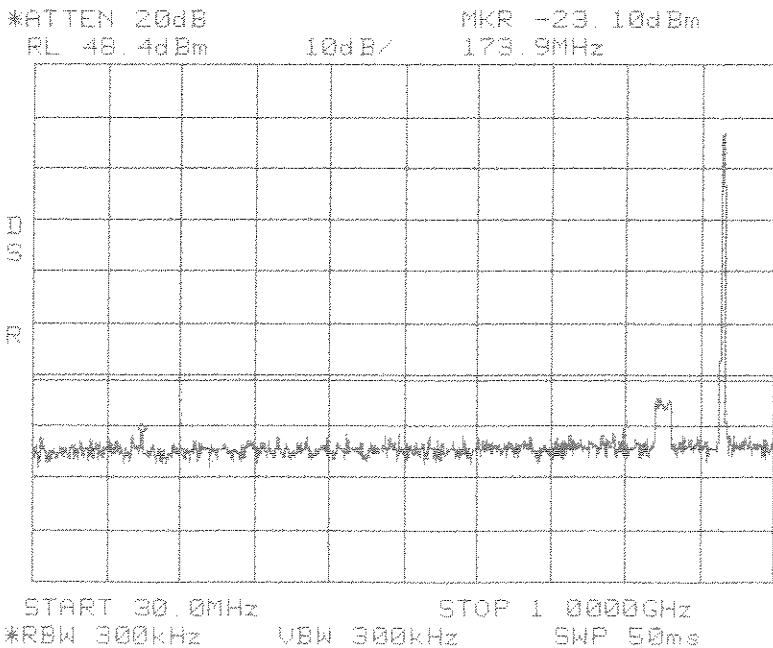


**Intermodulation**  
**Close**  
**Lower**  
**CDMA**  
**SMR 900 MHz**

Center: 937.5 MHz  
Span: 15 MHz  
RBW/VBW: 100 kHz



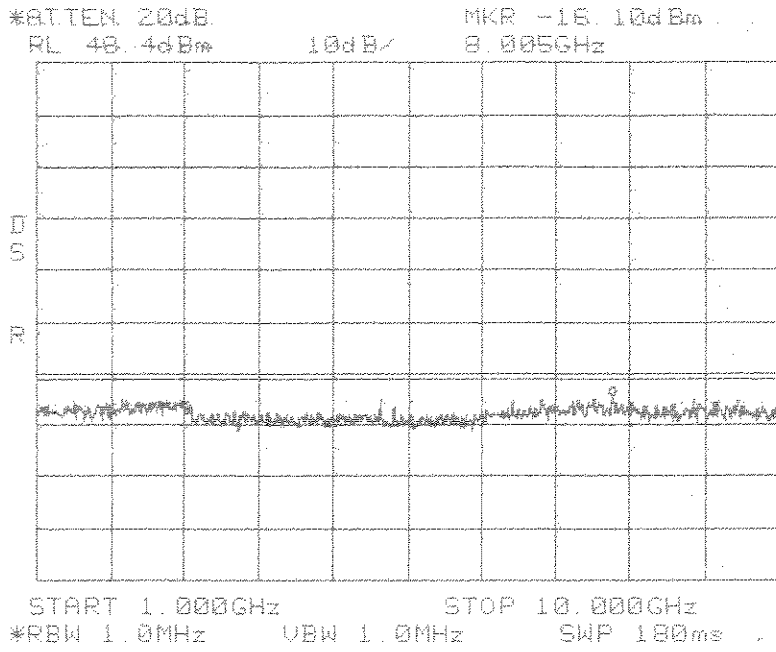
**Intermodulation  
Close  
Upper  
CDMA  
SMR 900 MHz**



**Intermodulation  
Close  
Upper  
CDMA  
SMR 900 MHz**

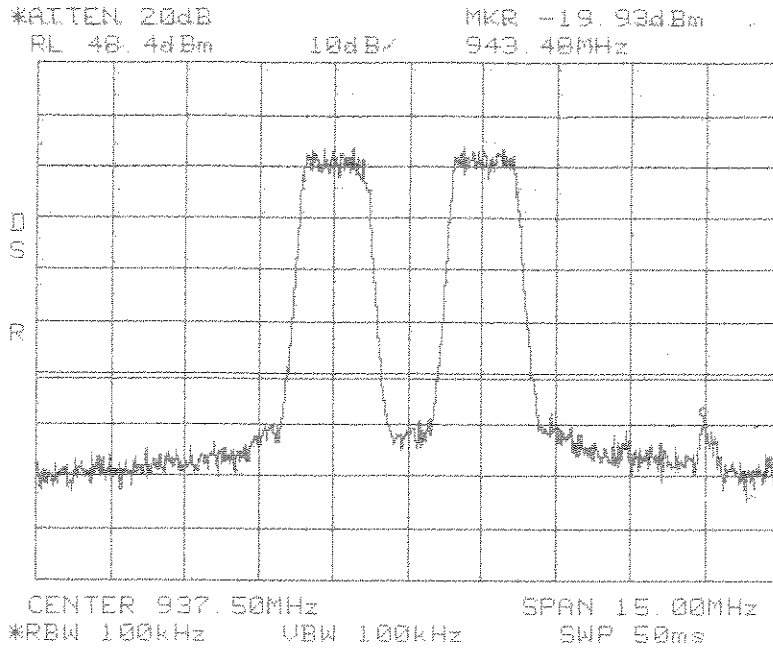
Span: 30 MHz to 1 GHz  
RBW/VBW: 300 kHz

Span: 1 GHz to 10 GHz  
RBW/VBW: 1 MHz

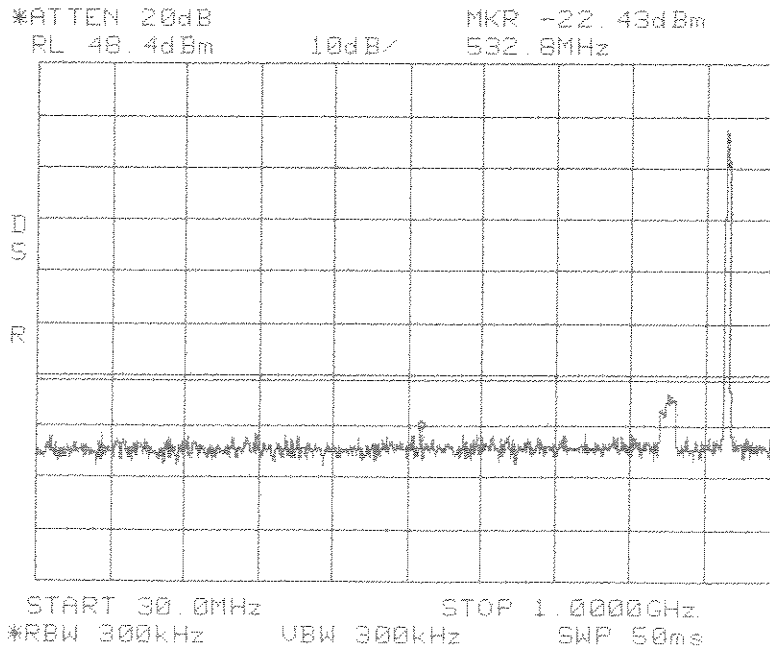


**Intermodulation**  
**Close**  
**Upper**  
**CDMA**  
**SMR 900 MHz**

Center: 937.5 MHz  
Span: 15 MHz  
RBW/VBW: 100 kHz



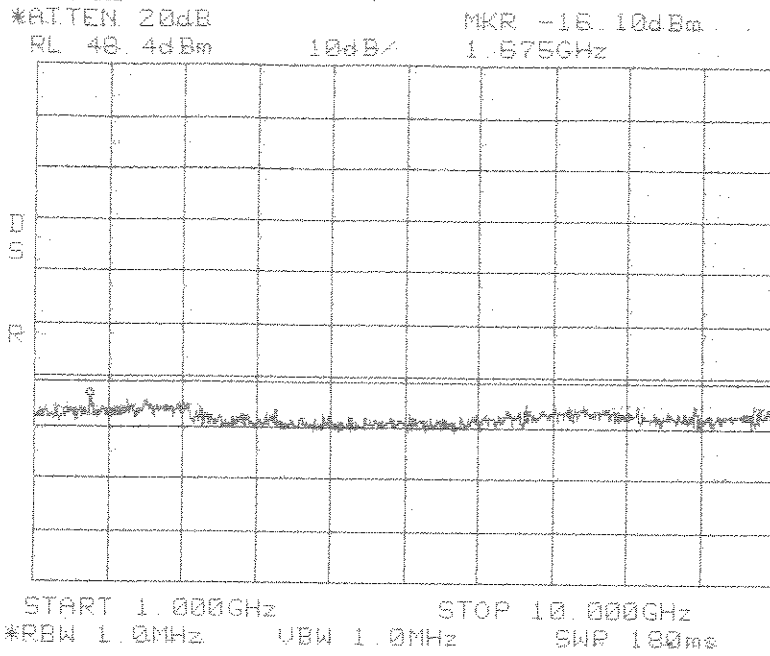
**Intermodulation  
Apart  
CDMA  
SMR 900 MHz**



**Intermodulation  
Apart  
CDMA  
SMR 900 MHz**

Span: 30 MHz to 1 GHz  
RBW/VBW: 300 kHz

Span: 1 GHz to 10 GHz  
RBW/VBW: 1 MHz



**Intermodulation  
Apart  
CDMA  
SMR 900 MHz**

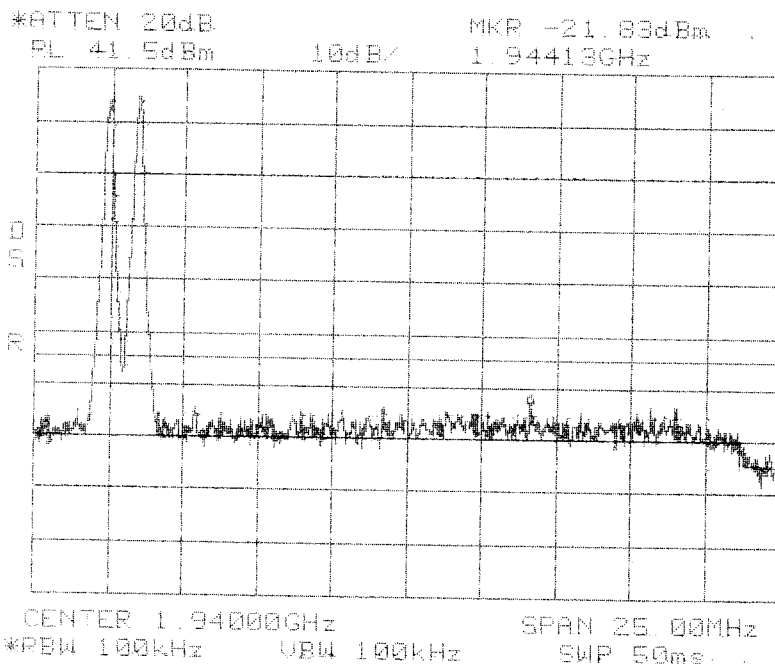


**Inter-Modulation Test for ADC Inc**  
**Digivance® Street Coverage Solution**  
**Model Number DGVC-901X4X1X200SYS**

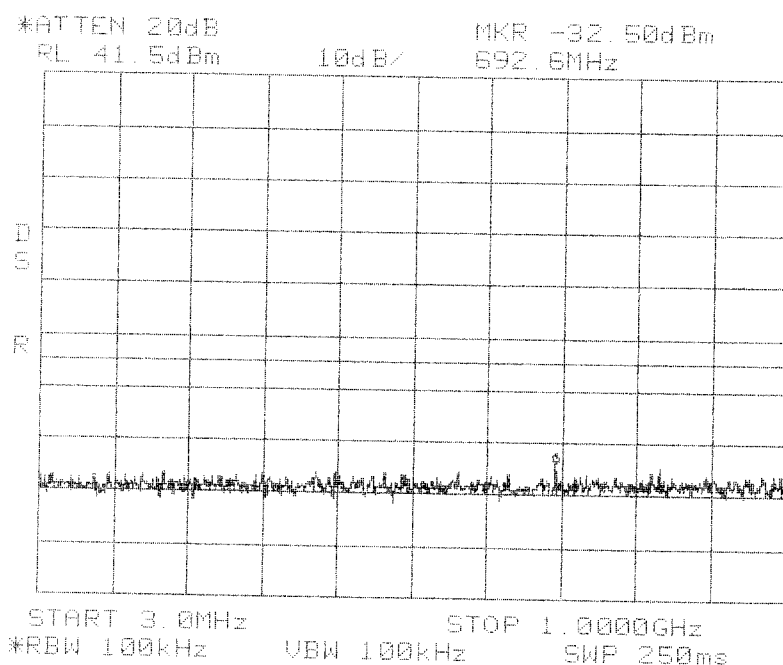
The inter-modulation products test was performed for the EUT. Three tests were performed with the modulation type. Test 1 was with 2 signals input to the EUT at lower end channels. Test 2 was with 2 signals input to the EUT at upper end channels. Test 3 was with 2 signals input to the EUT at upper and lower end channels. The modulation types tested were TDMA, GSM, CDMA, EVDO, and W-CDMA. An investigation was made from 30 MHz to the 10<sup>th</sup> Harmonic of the highest fundamental frequency (~20 GHz). The following plots show the results. Modulation types EVDO and CDMA have the same mask and intermodulation properties.

Results:  
(See Plots)

Center: 1940.0 MHz  
Span: 25 MHz  
RBW/VBW: 100 kHz



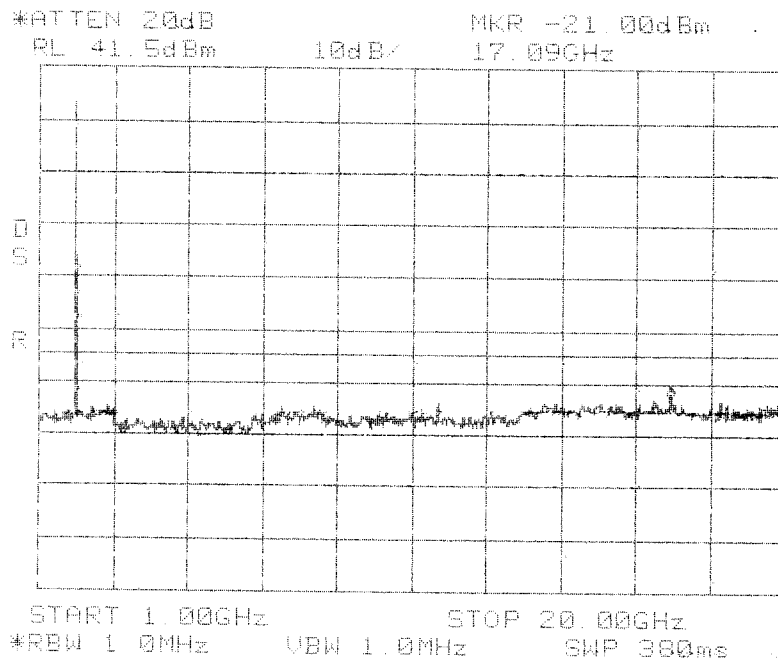
**Intermodulation  
Close  
Lower  
TDMA  
PCS 1900 MHz  
AD Band**



**Intermodulation  
Close  
Lower  
TDMA  
PCS 1900 MHz  
AD Band**

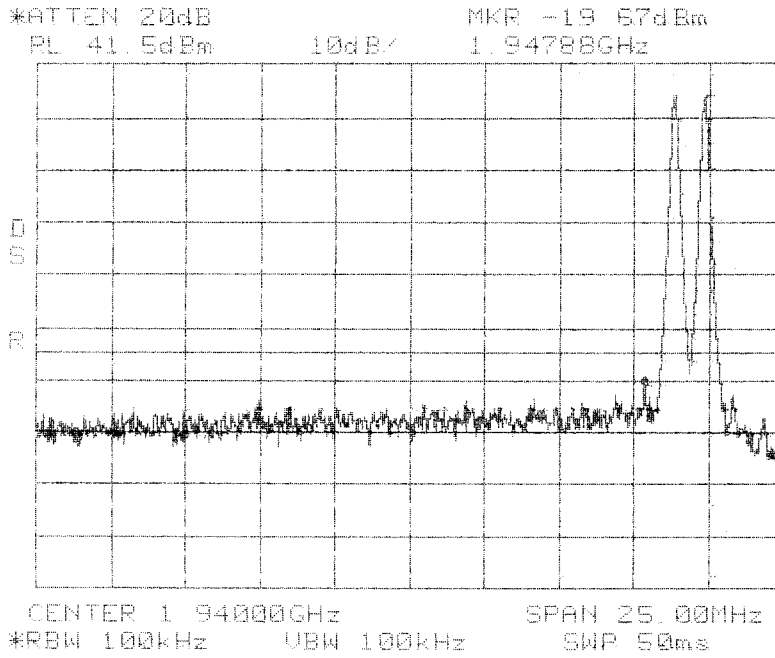
Span: 30 MHz to 1 GHz  
RBW/VBW: 100 kHz

Span: 1 GHz to 20 GHz  
RBW/VBW: 1 MHz

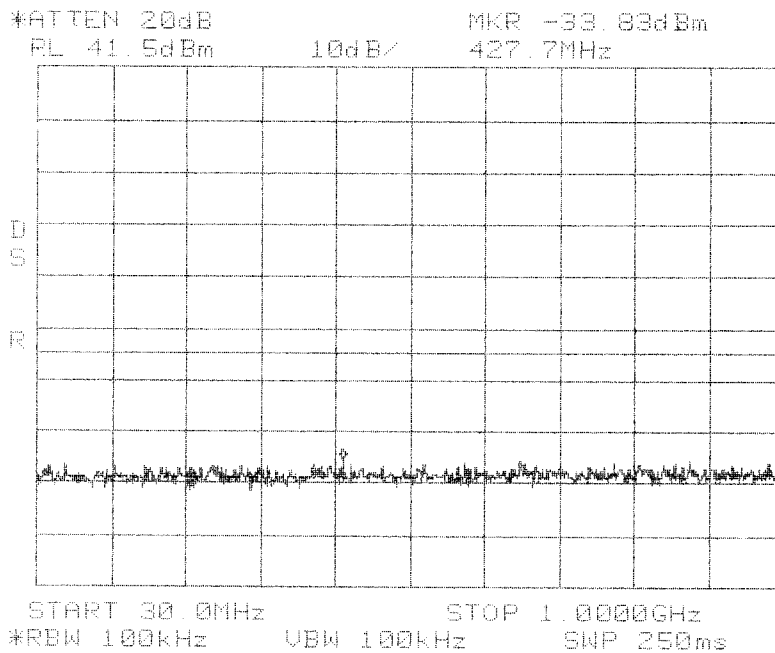


**Intermodulation  
Close  
Lower  
TDMA  
PCS 1900 MHz  
AD Band**

Center: 1940.0 MHz  
Span: 25 MHz  
RBW/VBW: 100 kHz



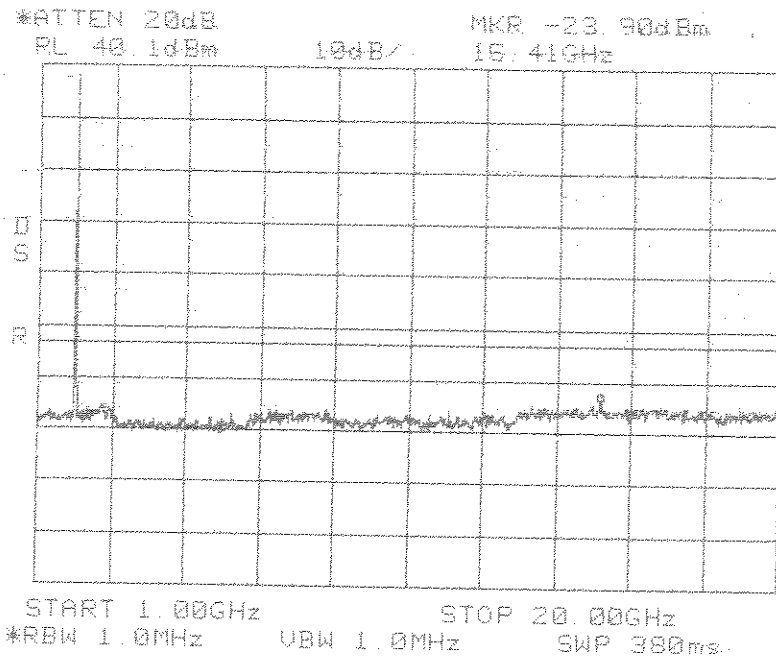
**Intermodulation  
Close  
Upper  
TDMA  
PCS 1900 MHz  
AD Band**



**Intermodulation  
Close  
Upper  
TDMA  
PCS 1900 MHz  
AD Band**

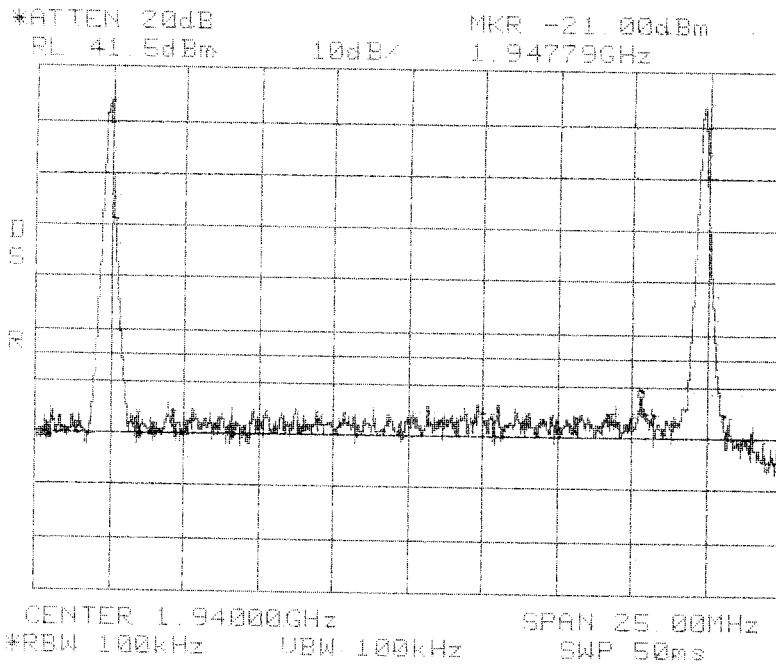
Span: 30 MHz to 1 GHz  
RBW/VBW: 100 kHz

Span: 1 GHz to 20 GHz  
RBW/VBW: 1 MHz

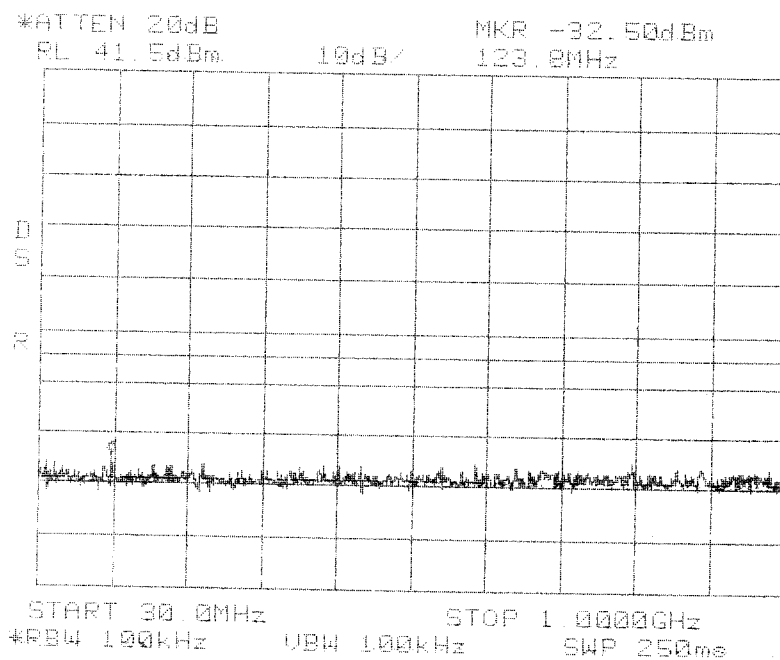


**Intermodulation  
Close  
Upper  
TDMA  
PCS 1900 MHz  
AD Band**

Center: 1940.0 MHz  
Span: 25 MHz  
RBW/VBW: 100 kHz



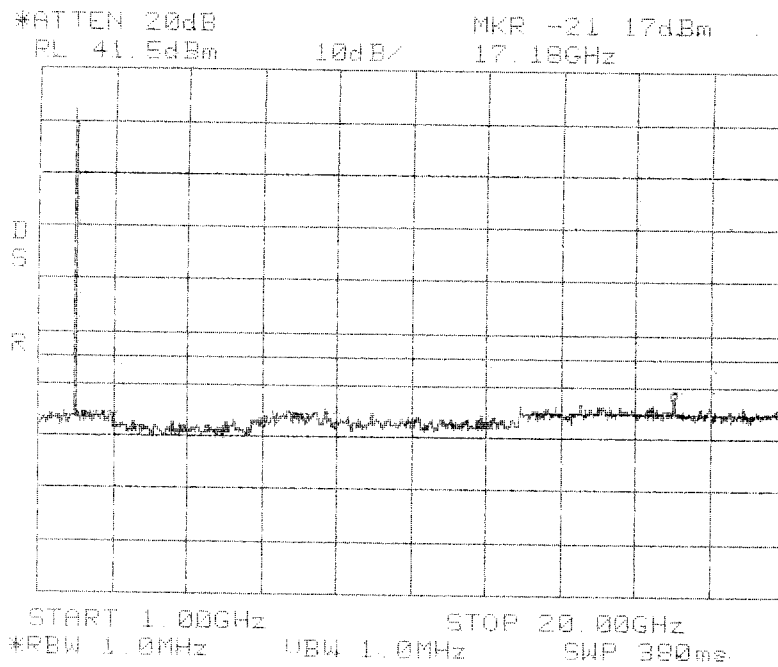
**Intermodulation  
Apart  
TDMA  
PCS 1900 MHz  
AD Band**



**Intermodulation  
Apart  
TDMA  
PCS 1900 MHz  
AD Band**

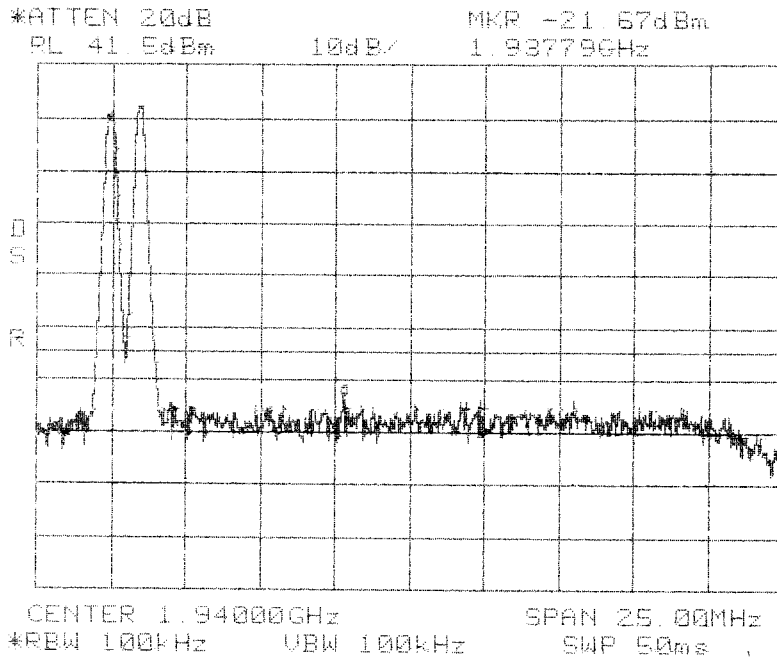
Span: 30 MHz to 1 GHz  
RBW/VBW: 100 kHz

Span: 1 GHz to 20 GHz  
RBW/VBW: 1 MHz

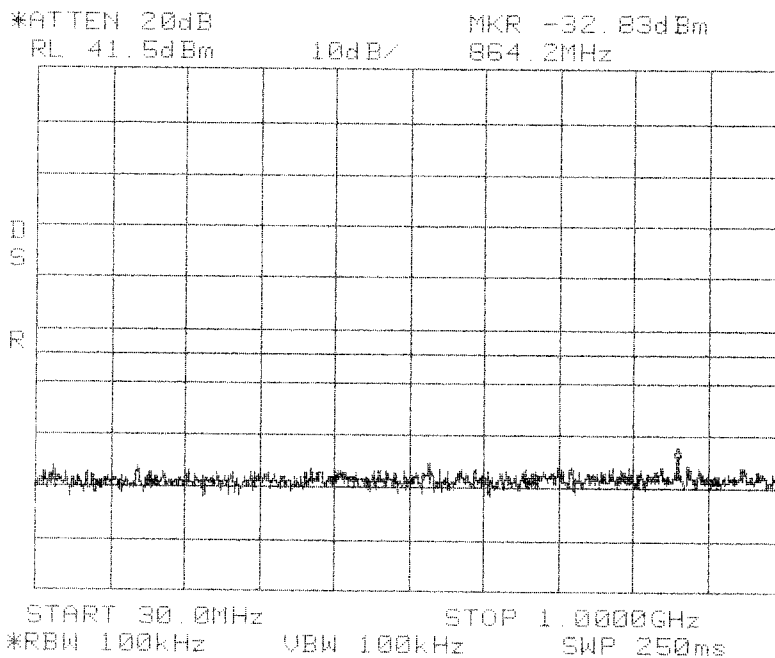


**Intermodulation  
Apart  
TDMA  
PCS 1900 MHz  
AD Band**

Center: 1940.0 MHz  
Span: 25 MHz  
RBW/VBW: 100 kHz



**Intermodulation  
Close  
Lower  
GSM  
PCS 1900 MHz  
AD Band**

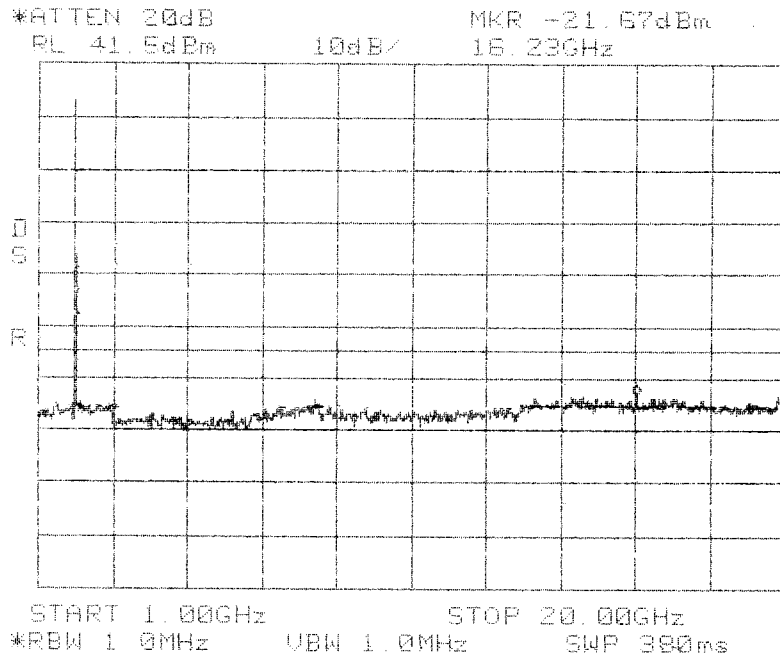


**Intermodulation  
Close  
Lower  
GSM  
PCS 1900 MHz  
AD Band**

Span: 30 MHz to 1 GHz  
RBW/VBW: 100 kHz

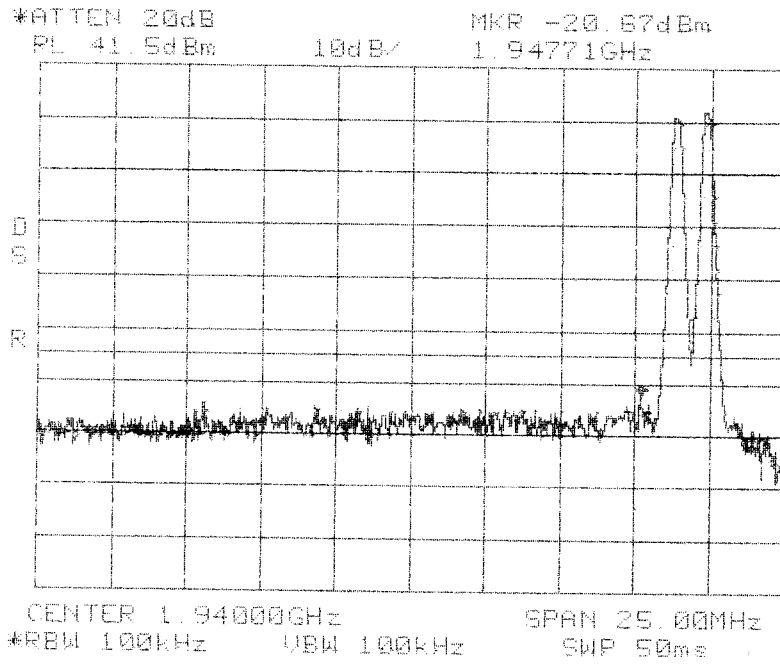


Span: 1 GHz to 20 GHz  
RBW/VBW: 1 MHz

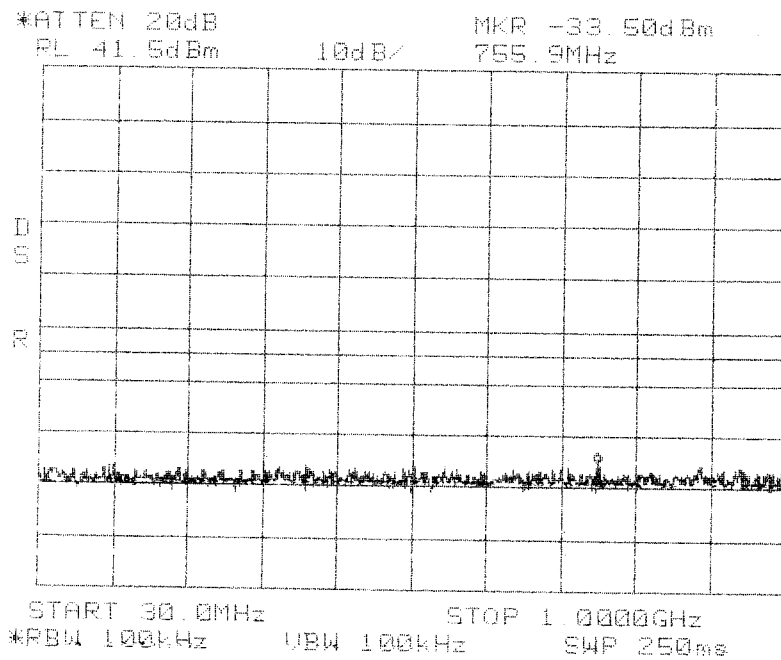


**Intermodulation  
Close  
Lower  
GSM  
PCS 1900 MHz  
AD Band**

Center: 1940.0 MHz  
Span: 25 MHz  
RBW/VBW: 100 kHz



**Intermodulation  
Close  
Upper  
GSM  
PCS 1900 MHz  
AD Band**

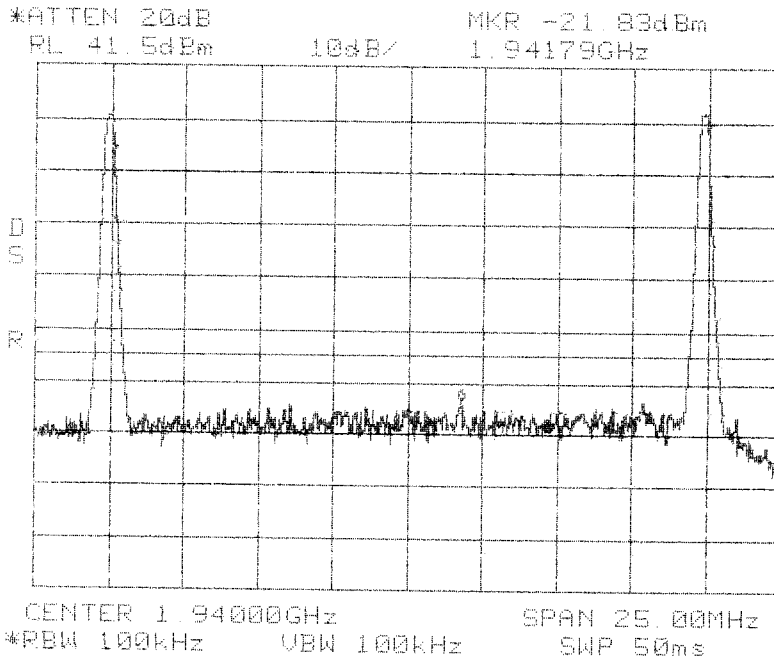


**Intermodulation  
Close  
Upper  
GSM  
PCS 1900 MHz  
AD Band**

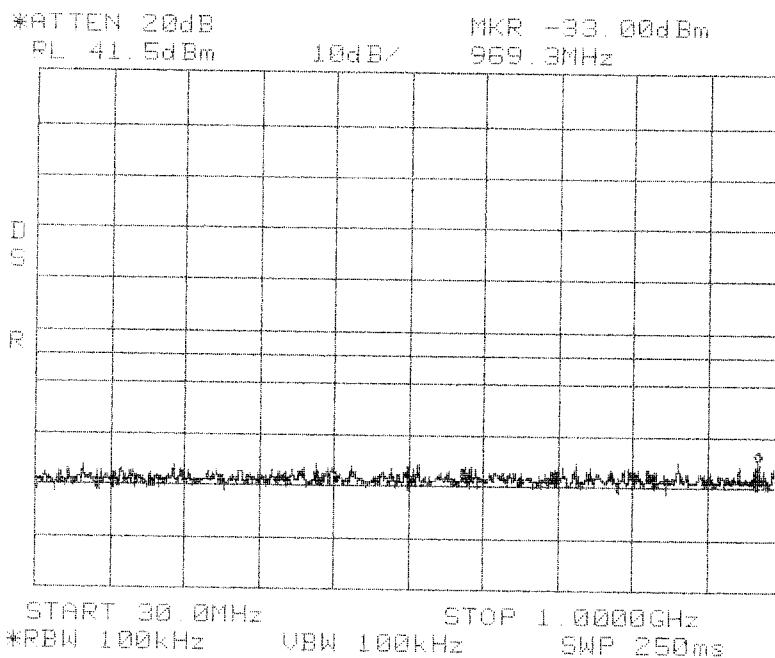
Span: 30 MHz to 1 GHz  
RBW/VBW: 100 kHz



Center: 1940.0 MHz  
Span: 25 MHz  
RBW/VBW: 100 kHz



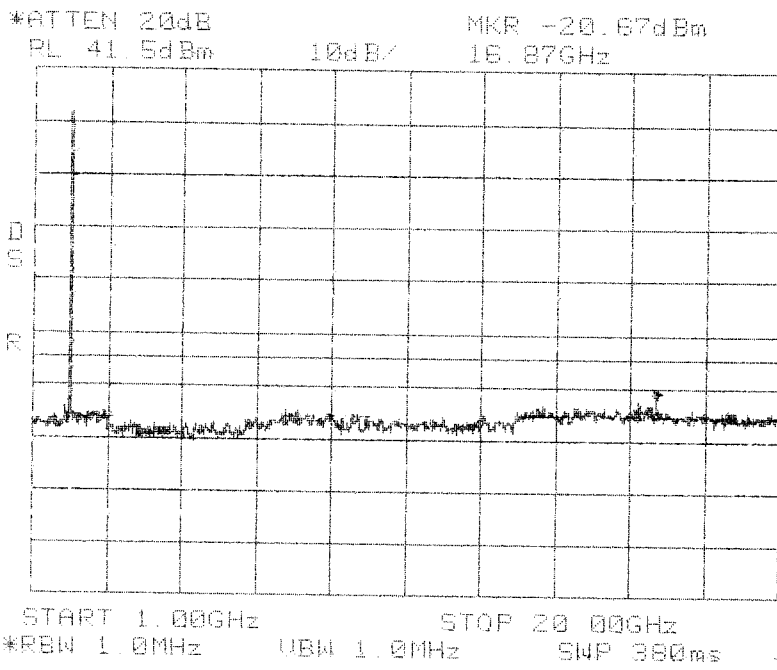
**Intermodulation  
Apart  
GSM  
PCS 1900 MHz  
AD Band**



**Intermodulation  
Apart  
GSM  
PCS 1900 MHz  
AD Band**

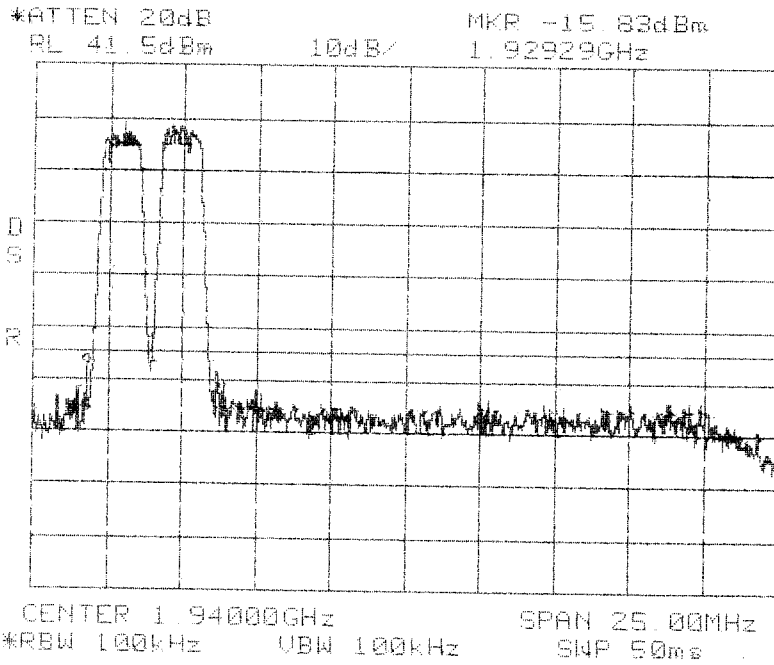
Span: 30 MHz to 1 GHz  
RBW/VBW: 100 kHz

Span: 1 GHz to 20 GHz  
 RBW/VBW: 1 MHz

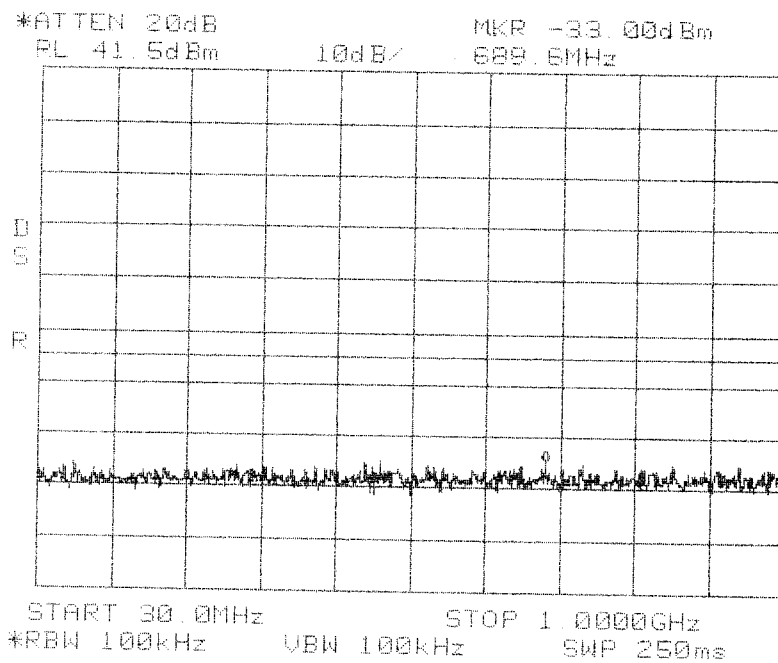


**Intermodulation  
 Apart  
 GSM  
 PCS 1900 MHz  
 AD Band**

Center: 1940.0 MHz  
Span: 25 MHz  
RBW/VBW: 100 kHz



**Intermodulation  
Close  
Lower  
CDMA  
PCS 1900 MHz  
AD Band**

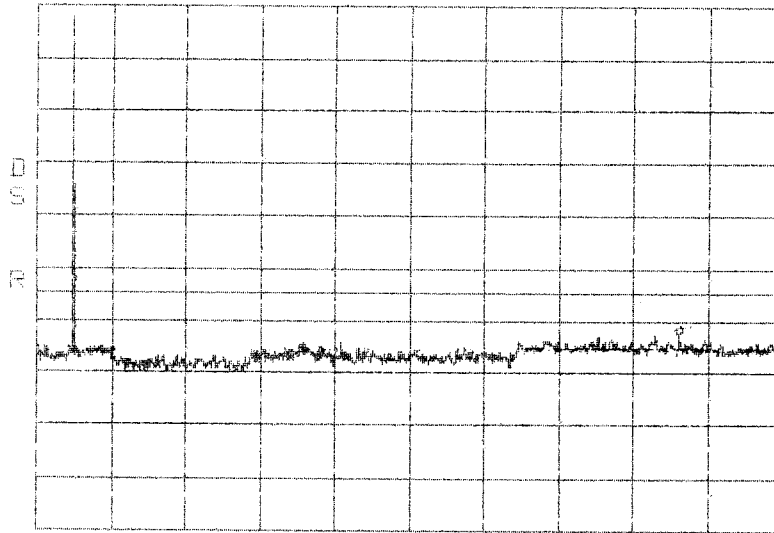


**Intermodulation  
Close  
Lower  
CDMA  
PCS 1900 MHz  
AD Band**

Span: 30 MHz to 1 GHz  
RBW/VBW: 100 kHz

Span: 1 GHz to 20 GHz  
RBW/VBW: 1 MHz

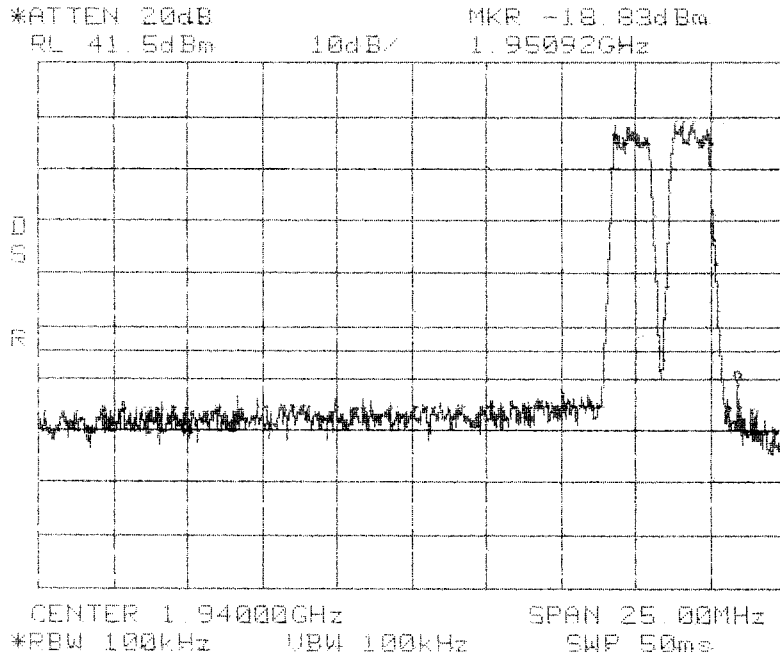
\*ATTEN 20dB                    MKR -21.17dBm  
RL 41.5dBm                    10dB/                    17.27GHz



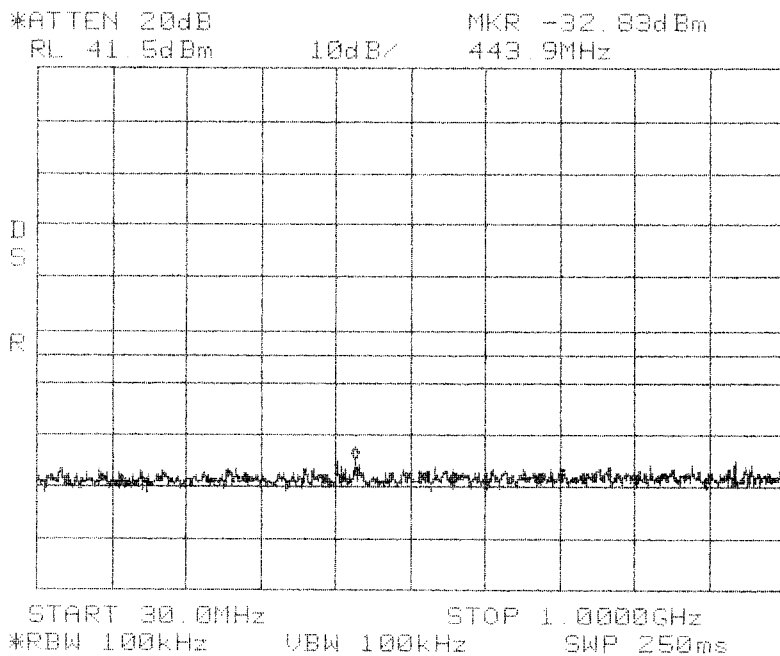
START 1.00GHz                    STOP 20.00GHz  
\*RBW 1.0MHz                    VBW 1.0MHz                    SWP 380ms

**Intermodulation  
Close  
Lower  
CDMA  
PCS 1900 MHz  
AD Band**

Center: 1940.0 MHz  
Span: 25 MHz  
RBW/VBW: 100 kHz



**Intermodulation  
Close  
Upper  
CDMA  
PCS 1900 MHz  
AD Band**

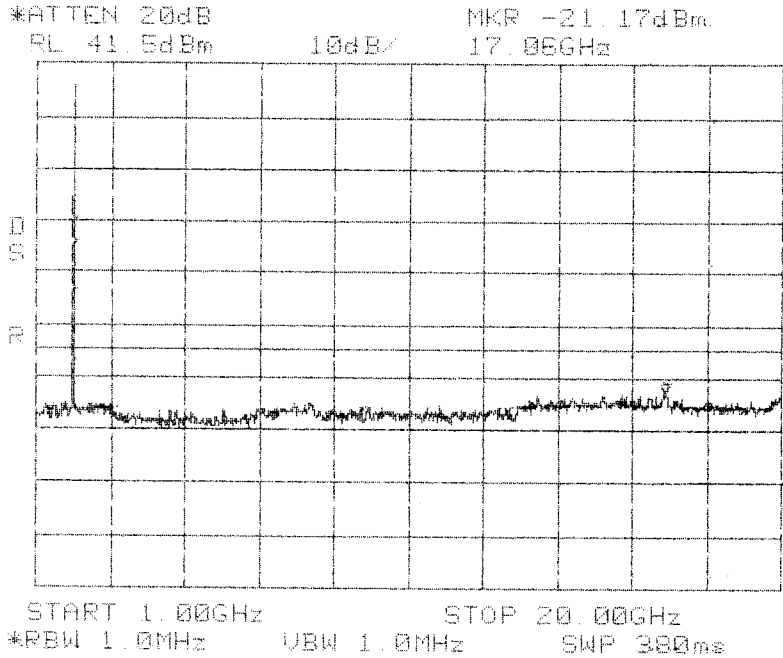


**Intermodulation  
Close  
Upper  
CDMA  
PCS 1900 MHz  
AD Band**

Span: 30 MHz to 1 GHz  
RBW/VBW: 100 kHz

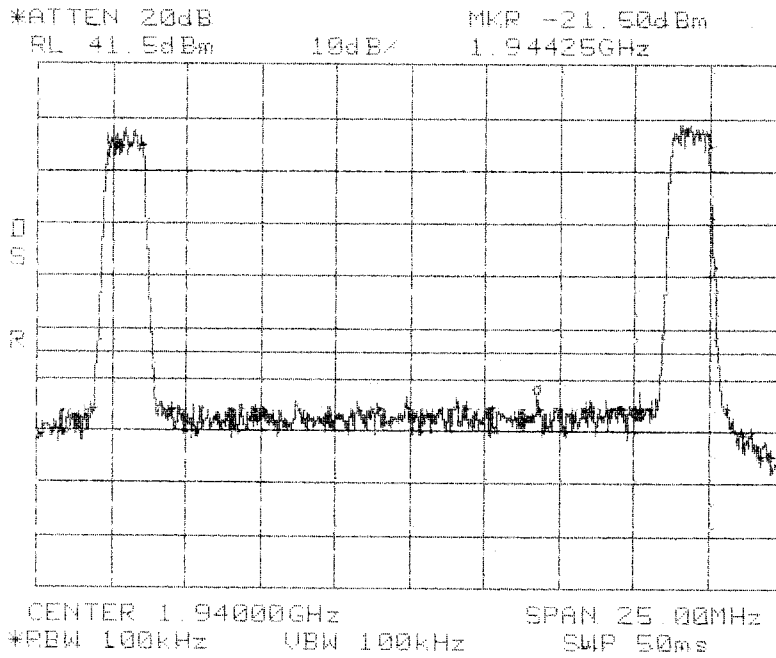


Span: 1 GHz to 20 GHz  
RBW/VBW: 1 MHz

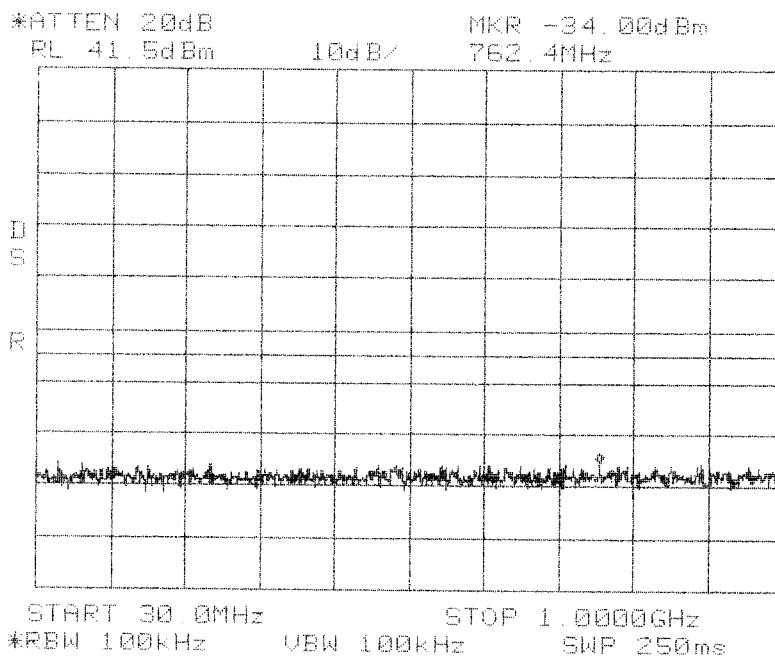


**Intermodulation  
Close  
Upper  
CDMA  
PCS 1900 MHz  
AD Band**

Center: 1940.0 MHz  
Span: 25 MHz  
RBW/VBW: 100 kHz



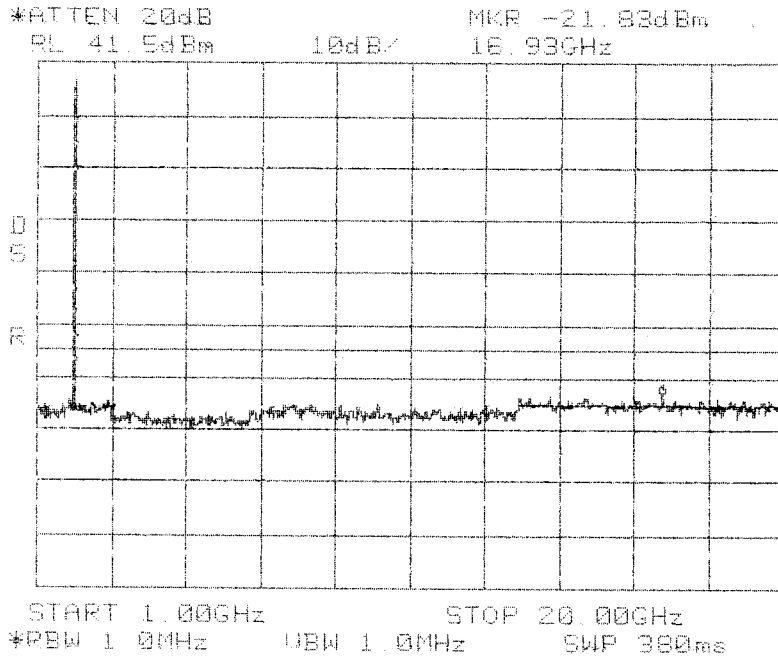
**Intermodulation  
Apart  
CDMA  
PCS 1900 MHz  
AD Band**



**Intermodulation  
Apart  
CDMA  
PCS 1900 MHz  
AD Band**

Span: 30 MHz to 1 GHz  
RBW/VBW: 100 kHz

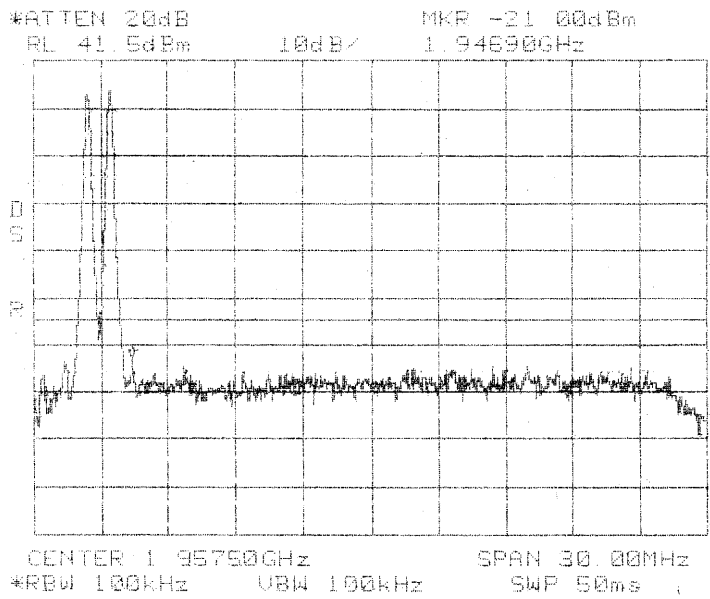
Span: 1 GHz to 20 GHz  
RBW/VBW: 1 MHz



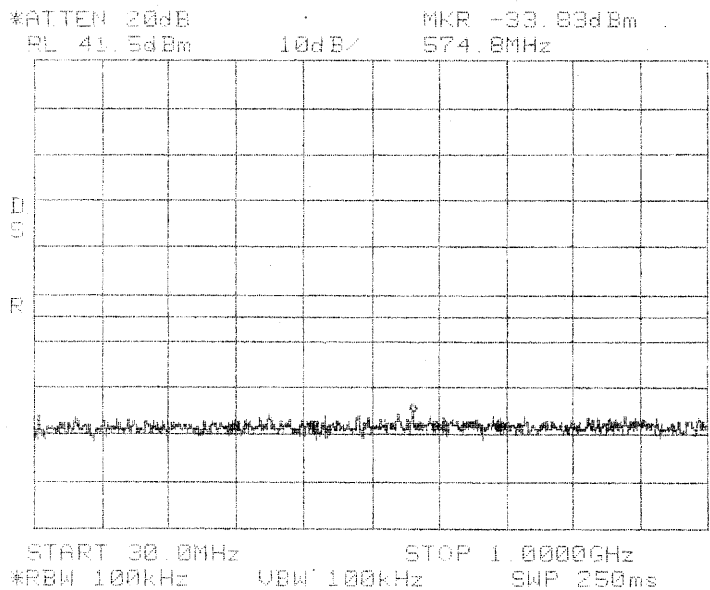
**Intermodulation  
Apart  
CDMA  
PCS 1900 MHz  
AD Band**

Center: 1957.5 MHz

RBW/VBW: 100 kHz



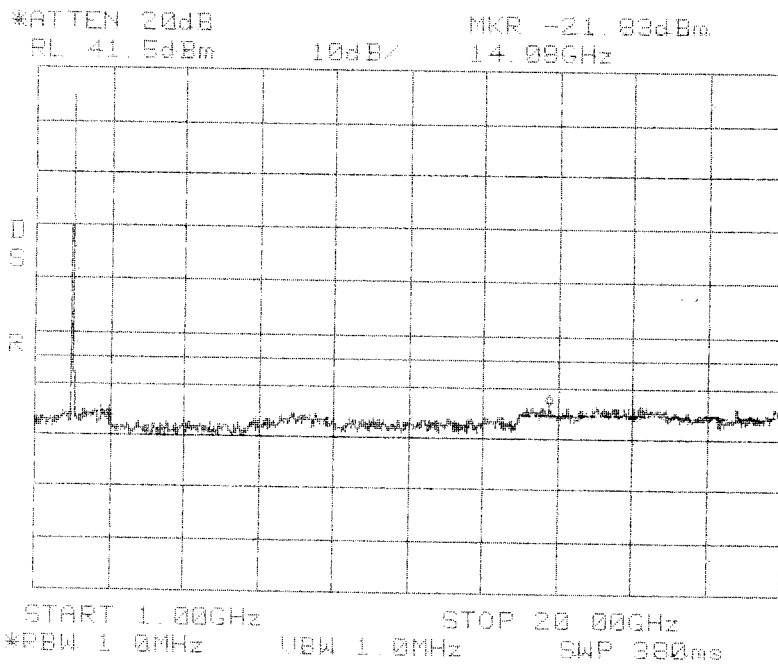
**Intermodulation  
Close  
Lower  
TDMA  
PCS 1900 MHz  
DBE Band**



**Intermodulation  
Close  
Lower  
TDMA  
PCS 1900 MHz  
DBE Band**

Span: 30 MHz to 1 GHz  
RBW/VBW: 100 kHz

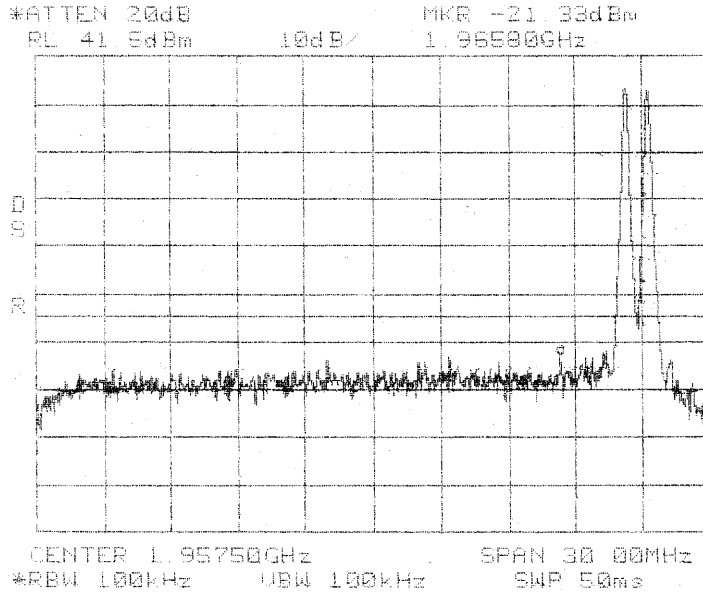
Span: 1 GHz to 20 GHz  
RBW/VBW: 1 MHz



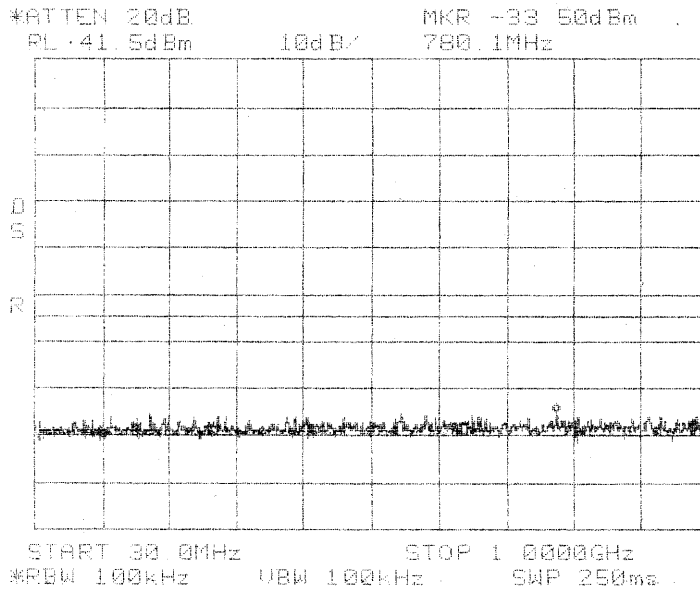
**Intermodulation  
Close  
Lower  
TDMA  
PCS 1900 MHz  
DBE Band**

Center: 1957.5 MHz

RBW/VBW: 100 kHz



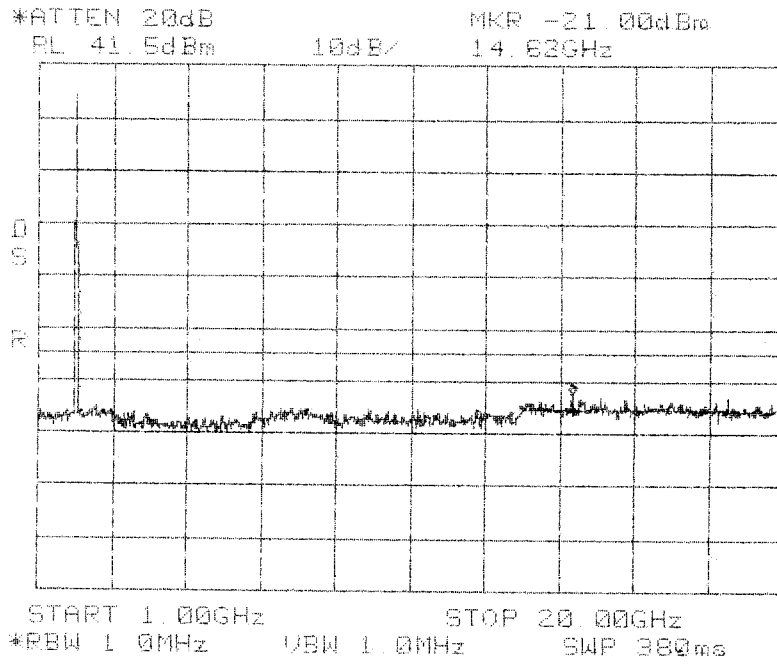
**Intermodulation  
Close  
Upper  
TDMA  
PCS 1900 MHz  
DBE Band**



**Intermodulation  
Close  
Upper  
TDMA  
PCS 1900 MHz  
DBE Band**

Span: 30 MHz to 1 GHz  
RBW/VBW: 100 kHz

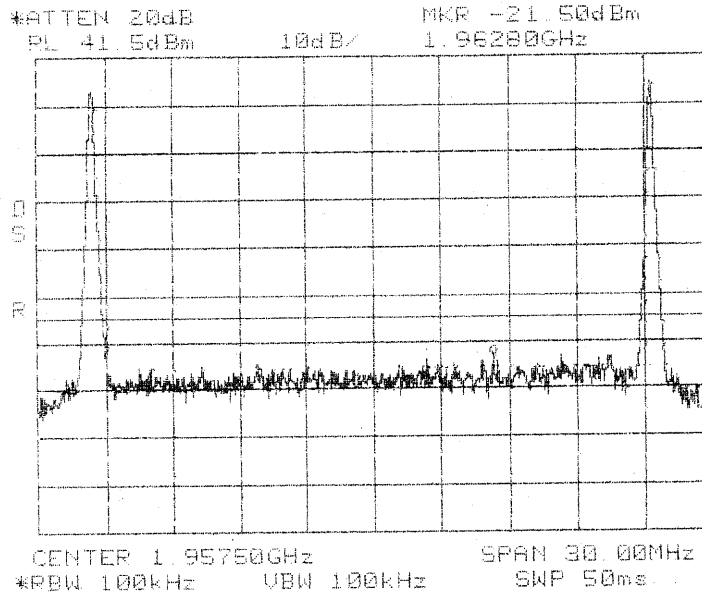
Span: 1 GHz to 20 GHz  
RBW/VBW: 1 MHz



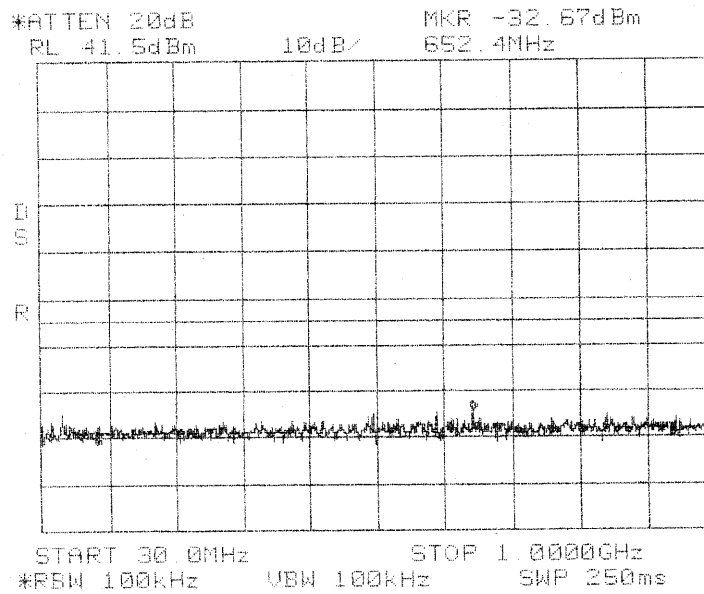
**Intermodulation  
Close  
Upper  
TDMA  
PCS 1900 MHz  
DBE Band**

Center: 1957.5 MHz

RBW/VBW: 100 kHz



**Intermodulation  
Apart  
TDMA  
PCS 1900 MHz  
DBE Band**

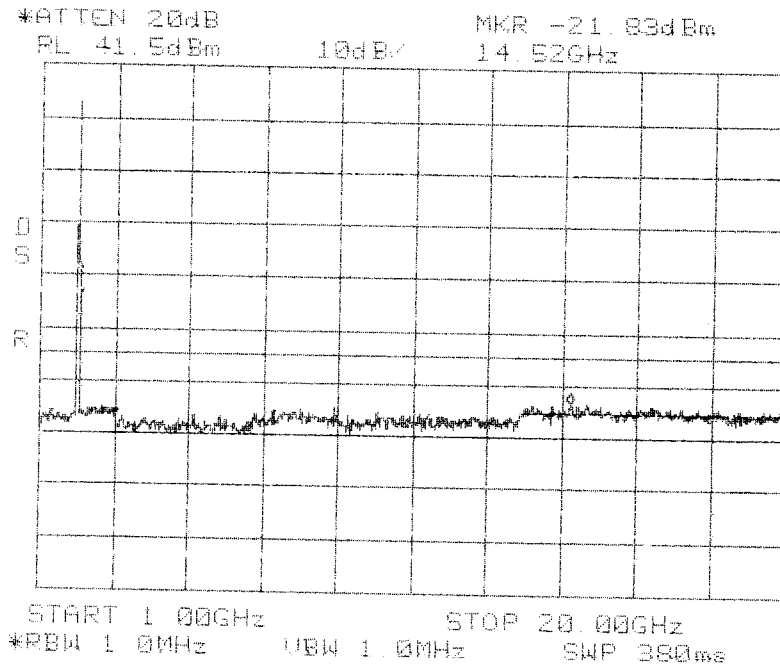


**Intermodulation  
Apart  
TDMA  
PCS 1900 MHz  
DBE Band**

Span: 30 MHz to 1 GHz  
RBW/VBW: 100 kHz



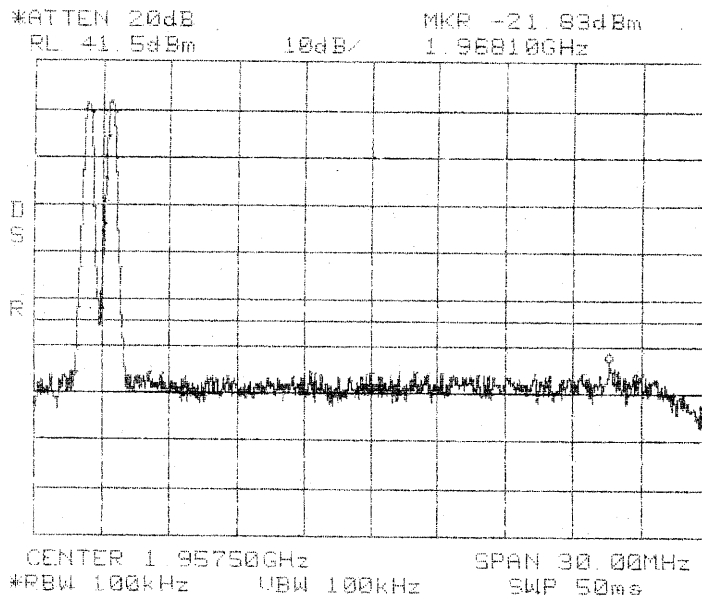
Span: 1 GHz to 20 GHz  
RBW/VBW: 1 MHz



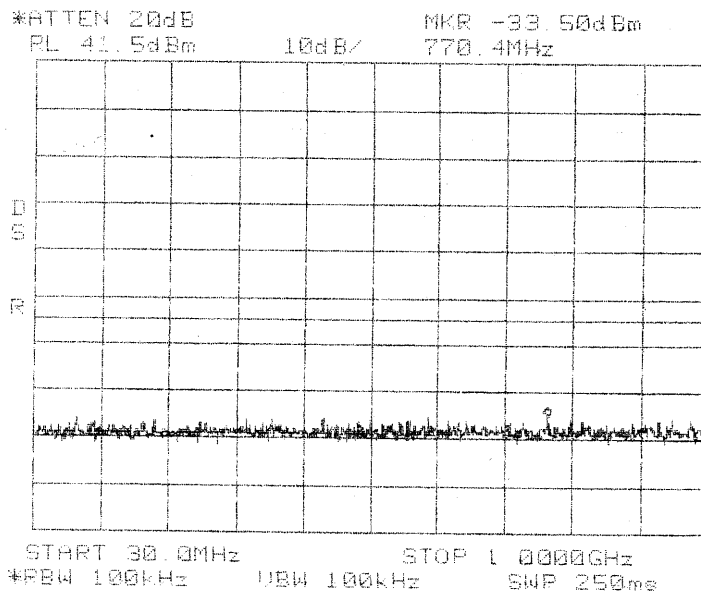
**Intermodulation  
Apart  
TDMA  
PCS 1900 MHz  
DBE Band**

Center: 1957.5 MHz

RBW/VBW: 100 kHz



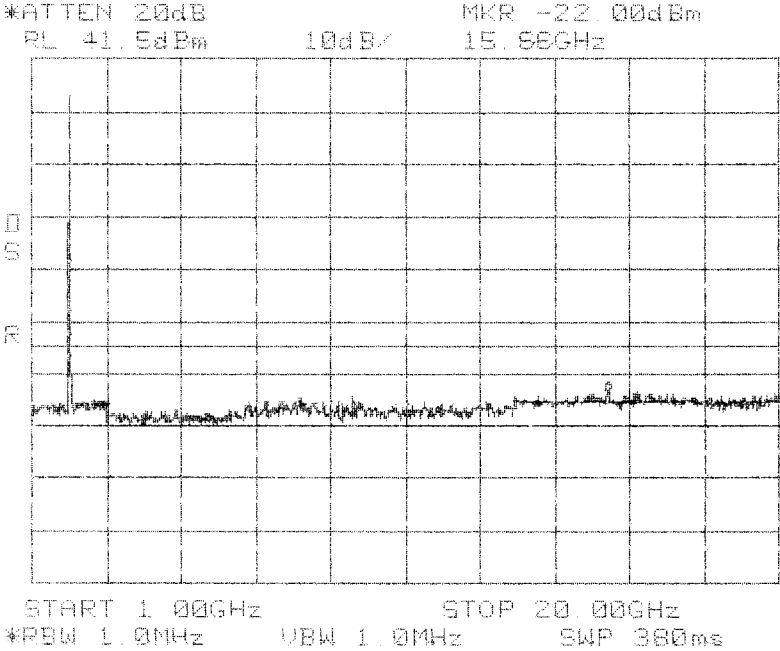
**Intermodulation**  
**Close**  
**Lower**  
**GSM**  
**PCS 1900 MHz**  
**DBE Band**



**Intermodulation**  
**Close**  
**Lower**  
**GSM**  
**PCS 1900 MHz**  
**DBE Band**

Span: 30 MHz to 1 GHz  
RBW/VBW: 100 kHz

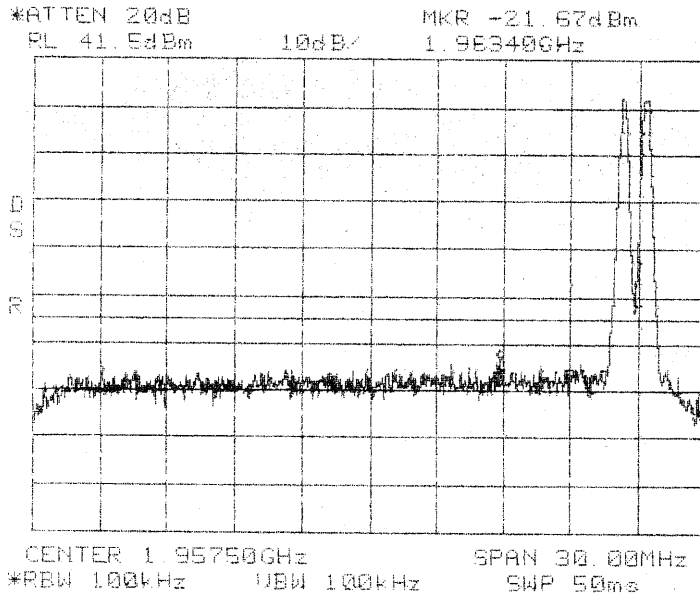
Span: 1 GHz to 20 GHz  
RBW/VBW: 1 MHz



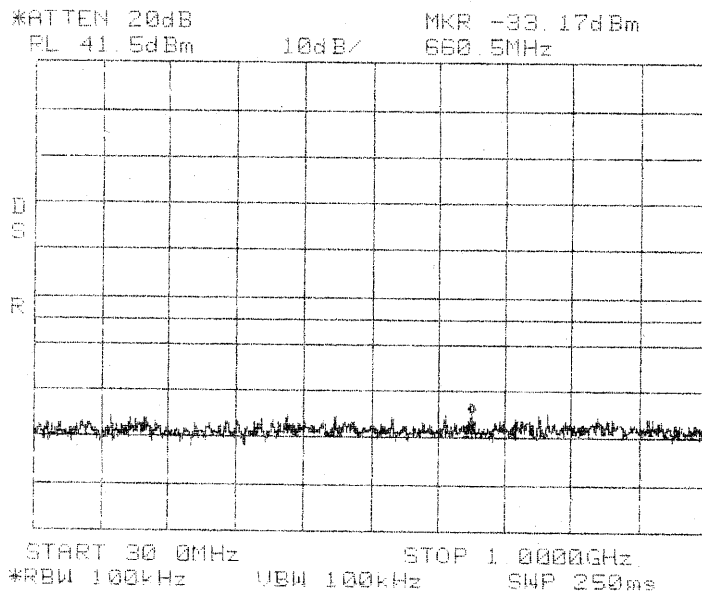
**Intermodulation  
Close  
Lower  
GSM  
PCS 1900 MHz  
DBE Band**

Center: 1957.5 MHz

RBW/VBW: 100 kHz



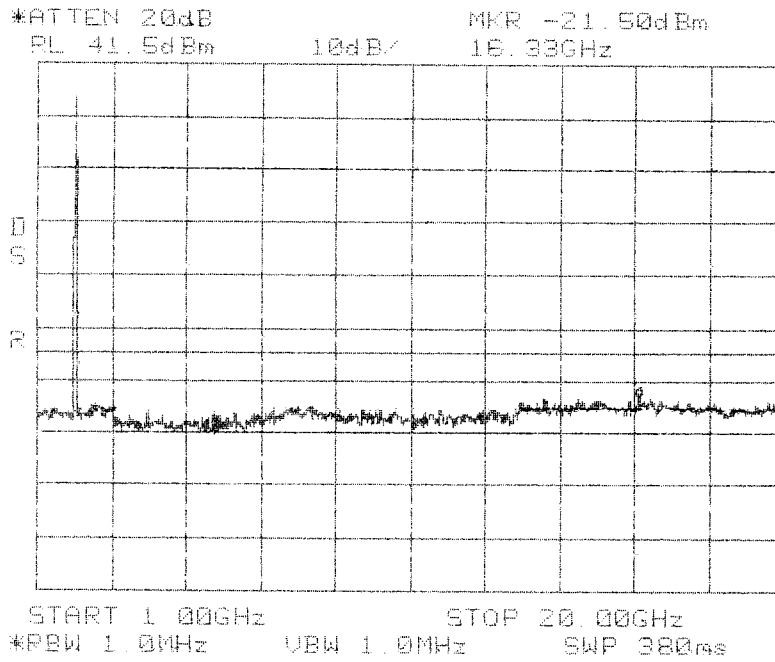
**Intermodulation  
Close  
Upper  
GSM  
PCS 1900 MHz  
DBE Band**



**Intermodulation  
Close  
Upper  
GSM  
PCS 1900 MHz  
DBE Band**

Span: 30 MHz to 1 GHz  
RBW/VBW: 100 kHz

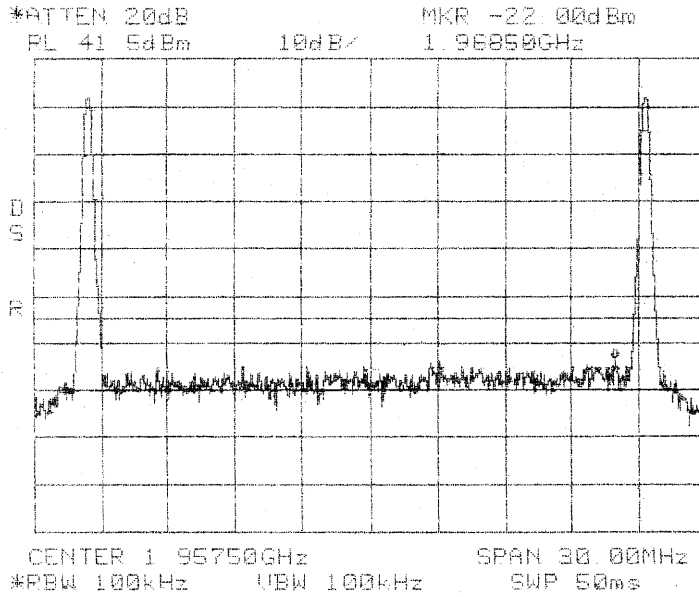
Span: 1 GHz to 20 GHz  
RBW/VBW: 1 MHz



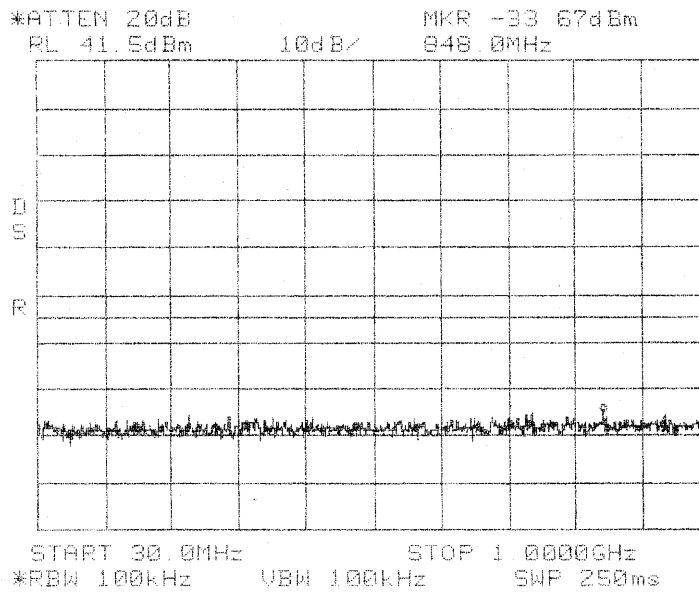
**Intermodulation  
Close  
Upper  
GSM  
PCS 1900 MHz  
DBE Band**

Center: 1957.5 MHz

RBW/VBW: 100 kHz



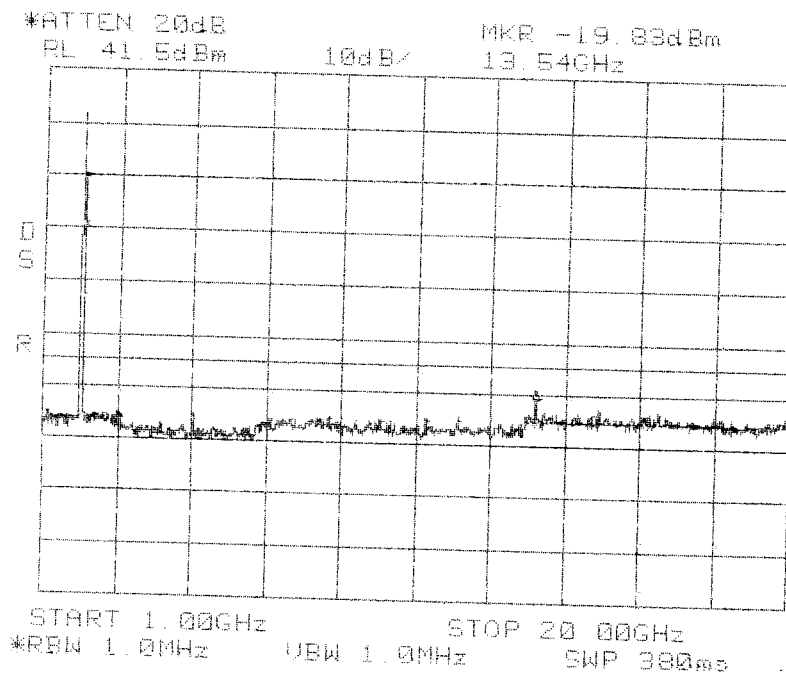
**Intermodulation  
Apart  
GSM  
PCS 1900 MHz  
DBE Band**



**Intermodulation  
Apart  
GSM  
PCS 1900 MHz  
DBE Band**

Span: 30 MHz to 1 GHz  
RBW/VBW: 100 kHz

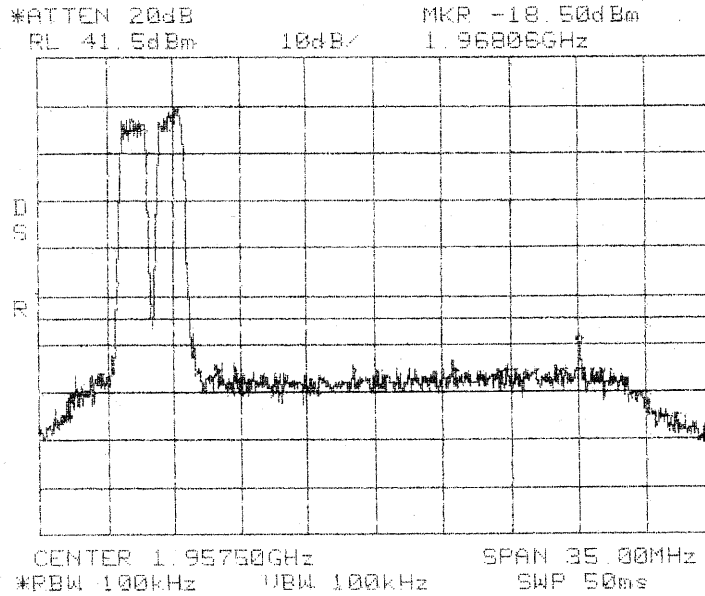
Span: 1 GHz to 20 GHz  
RBW/VBW: 1 MHz



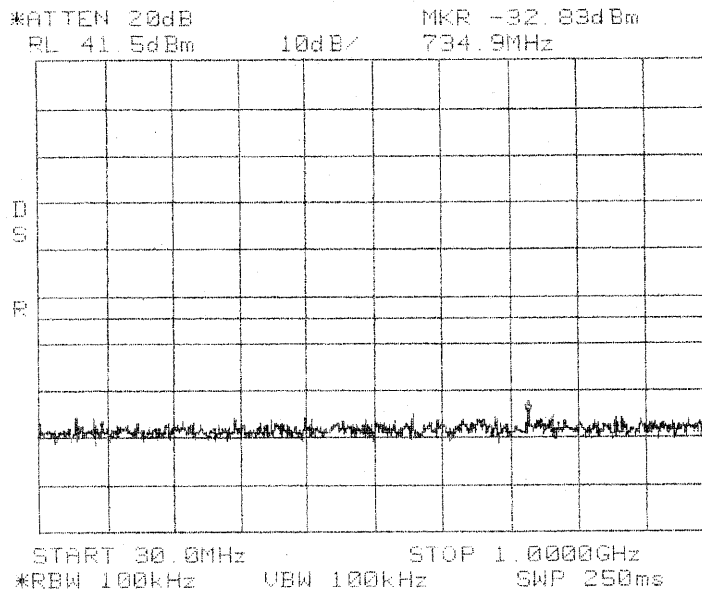
**Intermodulation  
Apart  
GSM  
PCS 1900 MHz  
DBE Band**

Center: 1957.5 MHz

RBW/VBW: 100 kHz



**Intermodulation  
Close  
Lower  
CDMA  
PCS 1900 MHz  
DBE Band**

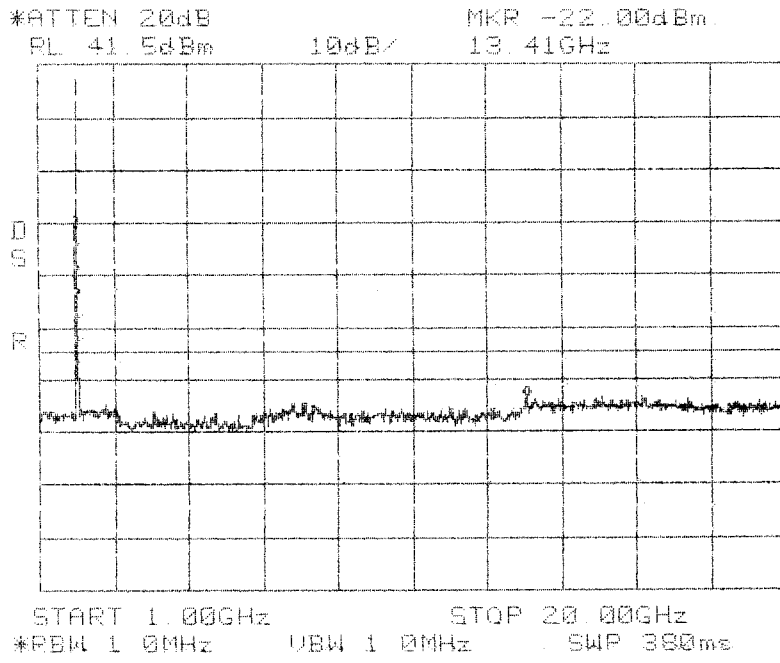


**Intermodulation  
Close  
Lower  
CDMA  
PCS 1900 MHz  
DBE Band**

Span: 30 MHz to 1 GHz  
RBW/VBW: 100 kHz



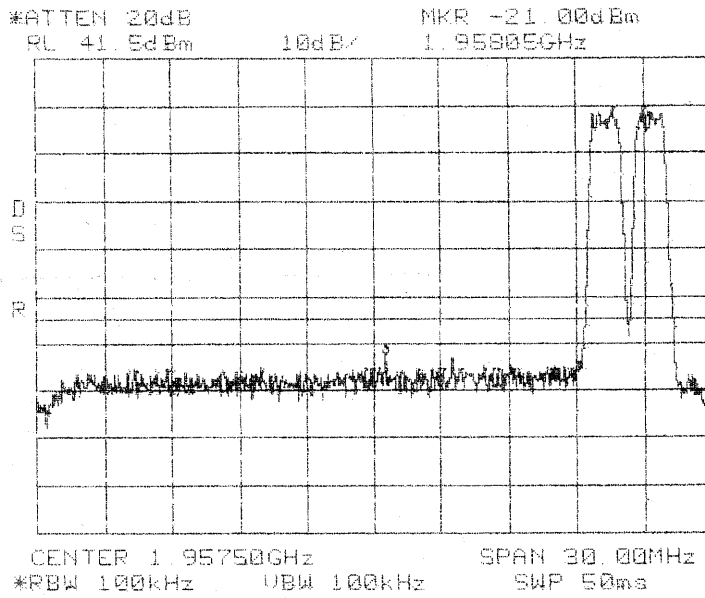
Span: 1 GHz to 20 GHz  
RBW/VBW: 1 MHz



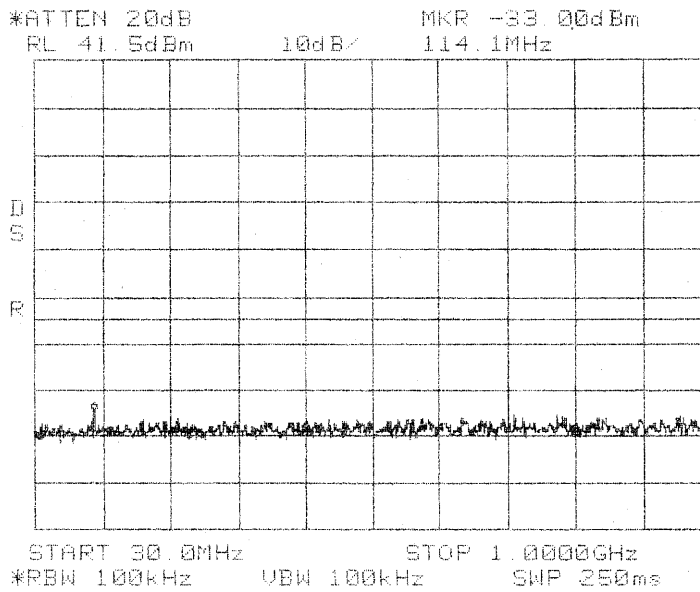
**Intermodulation  
Close  
Lower  
CDMA  
PCS 1900 MHz  
DBE Band**

Center: 1957.5 MHz

RBW/VBW: 100 kHz



**Intermodulation  
Close  
Upper  
CDMA  
PCS 1900 MHz  
DBE Band**

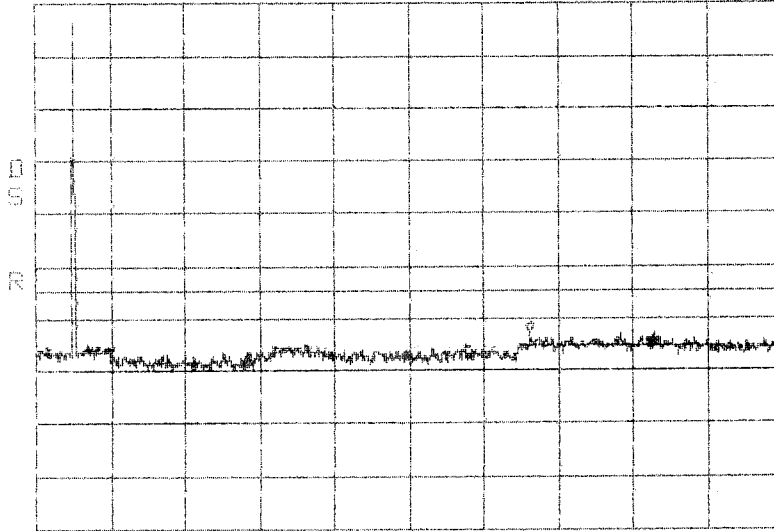


**Intermodulation  
Close  
Upper  
CDMA  
PCS 1900 MHz  
DBE Band**

Span: 30 MHz to 1 GHz  
RBW/VBW: 100 kHz

Span: 1 GHz to 20 GHz  
RBW/VBW: 1 MHz

\*ATTEN 20dB                      MKR -21.17dBm  
RL 41.5dBm                      10dB/                      13.57GHz

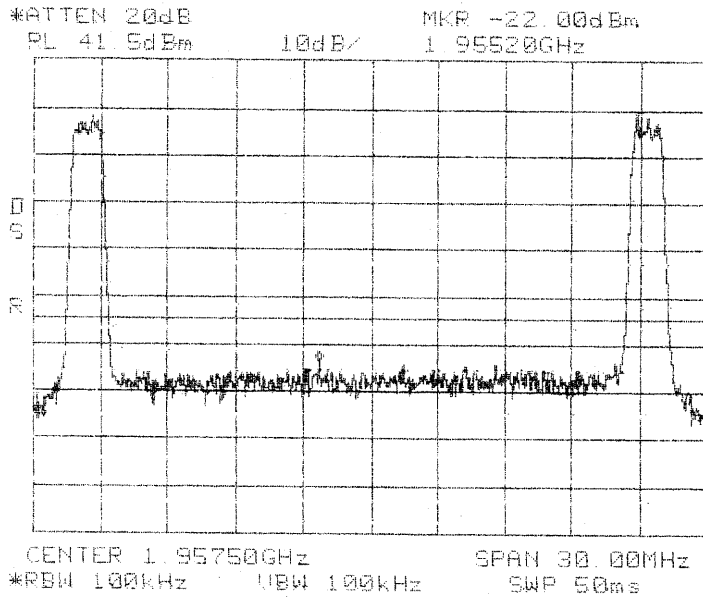


START 1.00GHz                      STOP 20.00GHz  
\*RBW 1.0MHz                      UBW 1.0MHz                      SWP 300ms

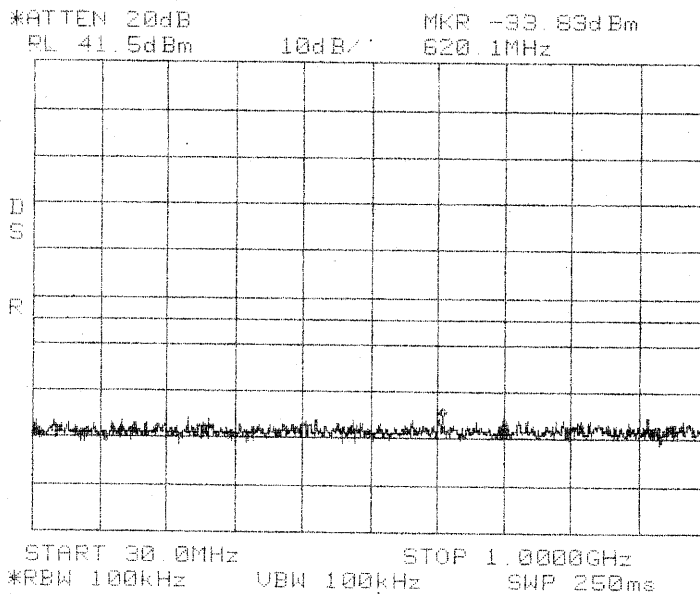
**Intermodulation  
Close  
Upper  
CDMA  
PCS 1900 MHz  
DBE Band**

Center: 1957.5 MHz

RBW/VBW: 100 kHz



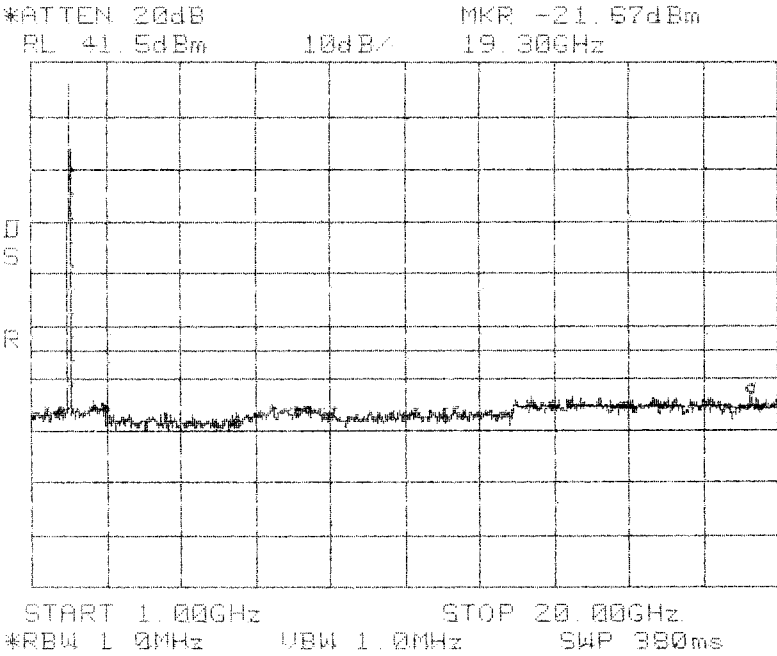
**Intermodulation  
Apart  
CDMA  
PCS 1900 MHz  
DBE Band**



**Intermodulation  
Apart  
CDMA  
PCS 1900 MHz  
DBE Band**

Span: 30 MHz to 1 GHz  
RBW/VBW: 100 kHz

Span: 1 GHz to 20 GHz  
RBW/VBW: 1 MHz



**Intermodulation  
Apart  
CDMA  
PCS 1900 MHz  
DBE Band**