

TEST RESULT SUMMARY

FCC PART 90

MANUFACTURER ADC, Incorporated
P. O. Box 1101
Minneapolis MN 55440-1101

NAME OF EQUIPMENT Digivance® CXD

TYPE OF EQUIPMENT Transports RF between a remote antenna and base station

MODEL NUMBER **DGVF -01000000XXCRN**

TEST REPORT NUMBER WC503856 REV B

TEST DATES July 26 & 27, 2005 (TUV),
August 10 & 11, 2005 (ADC)

According to testing performed at TÜV America Inc., and ADC Inc., the above-mentioned unit is in compliance with the electromagnetic compatibility requirements defined in FCC Part 90.

It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical characteristics. Any modifications necessary for compliance made during testing on the above mentioned date(s) must be implemented in all production units for compliance to be maintained.

TÜV America Inc, as an independent testing laboratory, declares that the equipment tested as specified above conforms to the requirements of FCC Part 90 "Private Land Mobile Radio Services".

Date: 10 December 2005



Location: Taylors Falls MN
USA

J. C. Sausen
Test Engineer

G. Jakubowski
Technical Writer

TÜV America Inc is a subcontractor to TÜV America, GmbH according to the principles outlined in ISO/IEC Guide 25 and EN 45001.

TÜV America Inc reports apply only to the specific samples tested under stated test conditions. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. TÜV America Inc shall have no liability for any deductions, inferences or generalizations drawn by the client or others from TÜV America Inc issued reports.

This report is the confidential property of the client. As a mutual protection to our clients, the public and ourselves, extracts from the test report shall not be reproduced except in full without our written approval. This report shall not be used by the client to claim product endorsement by NVLAP or any agency of the US government.

TÜV America Inc and its professional staff hold government and professional organization certifications and are members of AAMI, ACIL, AEA, ANSI, IEEE, NVLAP, and VCCI

Not Transferable

EMC EMISSION - TEST REPORT

Test Report File Number: WC503856 REV B

Date of Issue: 10 December 2005

DIRECTORY

		Page(s)
2.1046	RF Power Output – complies with 90.635	3
2.1049	Occupied Bandwidth – complies with 90.210	4 - 10
2.1051	Spurious Emissions at Antenna Terminals - complies with 90.210	11 - 35
	Intermodulation	36 - 72
2.1053	Field Strength of Spurious Emissions – complies with 90.210	73 - 84
	Conducted Emissions – Line Cord	85 - 89
	20 dB Passband	90 - 91
2.1055	Frequency Stability Test Data - complies with 90.213	92 - 93
	Test Equipment List	94 - 95
	Product Information	96 - 102
	Test Setups, Drawings & Photos	103 - 112
	Measurement Protocol	113 - 114

REVISION RECORD

REVISION	TOTAL NUMBER OF PAGES	DATE	DESCRIPTION
	100	27 Sep 05	Initial Release
A	109	05 Oct 05	Revisions include: - Replace run 1 radiated emissions data with run 3 data. - Replace run 1 radiated emissions test set-up photos with run 3 photos.
B	114	10 Dec 05	Revised to include additional Conducted Emissions Band Edge Test Data for all modulations and revised EIRP data.

Effective Isotropic Radiated Power Test for ADC Inc.

Digivance CXD

Model Number DGVF-211100SYS

*Note: The EUT is a fixed repeater and not a base station.

This measurement was made as a direct conducted emission measurement. The output from the EUT antenna connector was connected to the spectrum analyzer. The carrier output, below, was conducted using a single CW/FM, 16QAM, and CDMA signal generator. The spectrum analyzer level was offset to compensate for attenuators and cable loss between the EUT and the analyzer.

For the CDMA modulation types, the average value of the measured frequency will be 16.23 dB down from the CW peak power.

A signal was used at the low, mid and high parts of the selected band. The spectrum analyzer level was offset by 51.4 dB to compensate for attenuators and cable loss between the EUT and the analyzer.

CW / FM – 7.71 Watts

Band SMR (800 MHz)	Carrier Output
Carrier Frequency	
851.0 MHz	<u>38.83</u> dBm
858.5 MHz	<u>38.87</u> dBm
866.0 MHz	<u>38.47</u> dBm

16QAM – 5.71 Watts

Band SMR (800 MHz)	Carrier Output
Carrier Frequency	
851.0 MHz	<u>36.23</u> dBm
858.5 MHz	<u>37.27</u> dBm
866.0 MHz	<u>37.57</u> dBm

CW / FM – 7.19 Watts

Band SMR (900 MHz)	Carrier Output
Carrier Frequency	
935.0 MHz	<u>38.57</u> dBm
937.5 MHz	<u>37.97</u> dBm
940.0 MHz	<u>38.57</u> dBm

16QAM – 8.07 Watts

Band SMR (900 MHz)	Carrier Output
Carrier Frequency	
935.0 MHz	<u>36.57</u> dBm
937.5 MHz	<u>36.97</u> dBm
940.0 MHz	<u>39.07</u> dBm

CDMA – 5.62 Watts

Band SMR (800 MHz)	Carrier Output
Carrier Frequency	
851.0 MHz	<u>20.11</u> dBm
858.5 MHz	<u>21.27</u> dBm
866.0 MHz	<u>20.74</u> dBm

CDMA – 7.36 Watts

Band SMR (900 MHz)	Carrier Output
Carrier Frequency	
935.0 MHz	<u>20.64</u> dBm
937.5 MHz	<u>21.10</u> dBm
940.0 MHz	<u>22.44</u> dBm

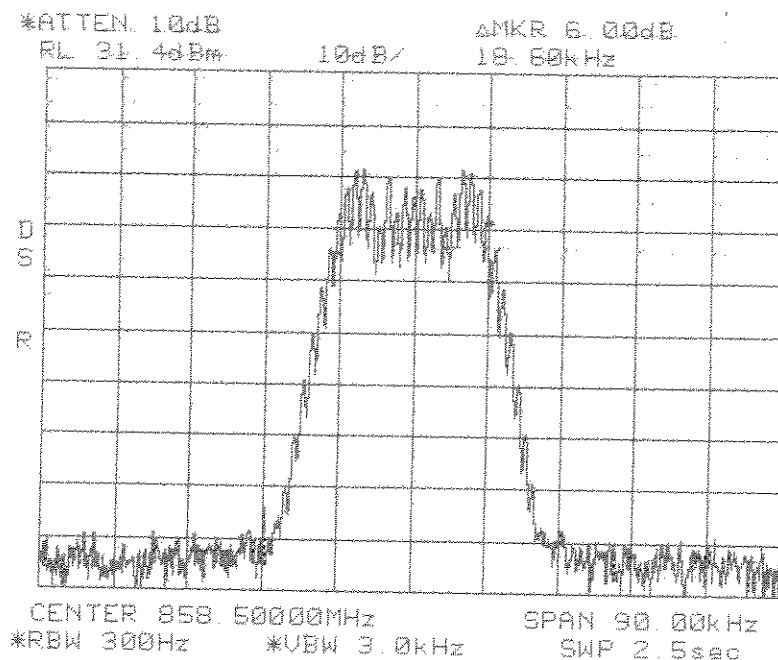
Occupied Bandwidth Modulation Test for ADC Inc.
Digivance CXD
Model Number DGVF-01000000XXCRN

An input/output Occupied Bandwidth test was done with modulation types: FM, 16 QAM, and CDMA. The purpose was to determine the amount of distortion added to different types of modulation schemes by the EUT. The following plots show input signals vs. output signals.

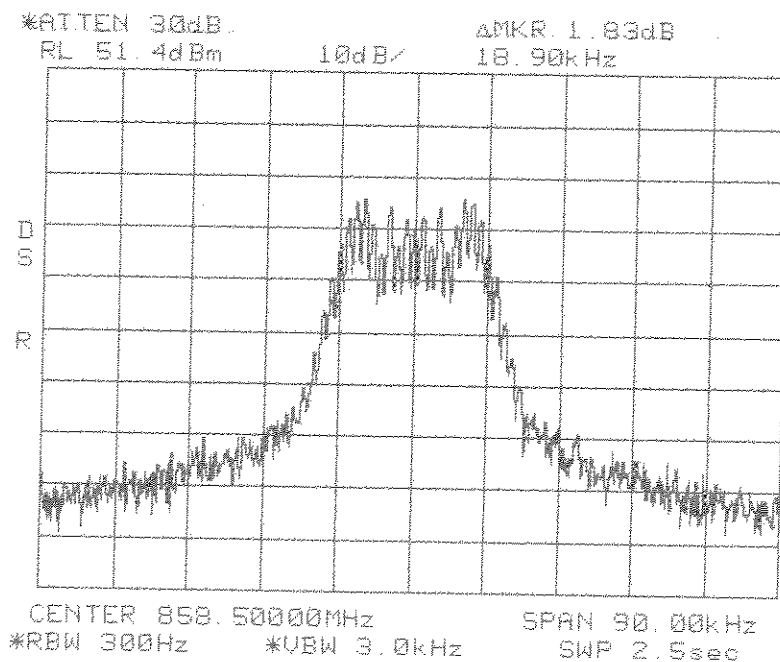
Results:

Pass (see plots)

Center: 858.5 MHz
Span: 90 KHz
RBW/VBW: 300 Hz / 3 kHz



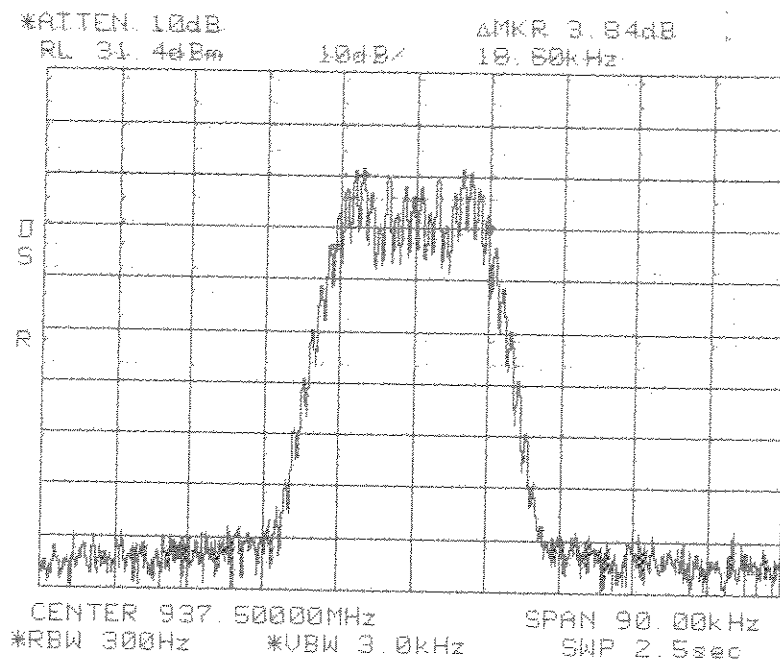
**Occupied Bandwidth
FM In
SMR 800 MHz**



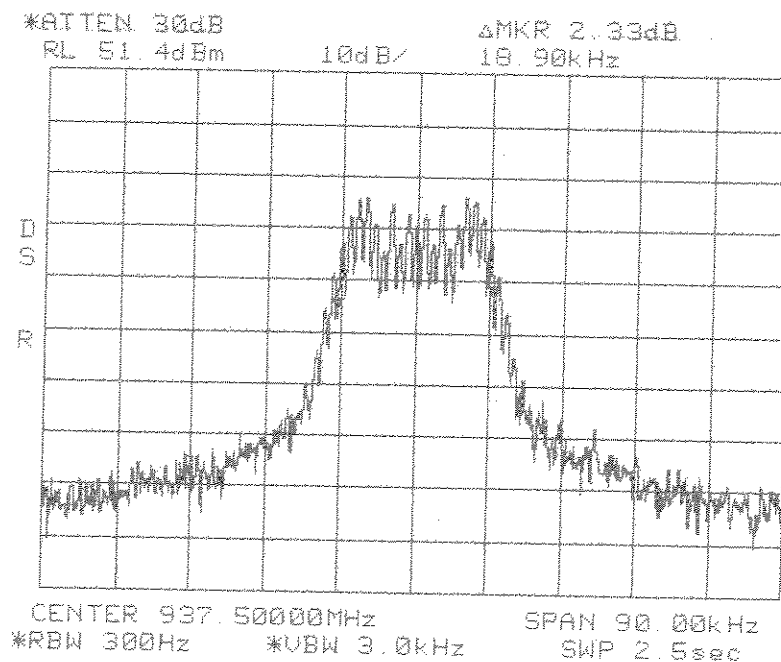
**Occupied Bandwidth
FM Out
SMR 800 MHz**

Center: 858.5 MHz
Span: 90 KHz
RBW/VBW: 300 Hz / 3 kHz

Center: 937.5 MHz
Span: 90 KHz
RBW/VBW: 300 Hz / 3 kHz



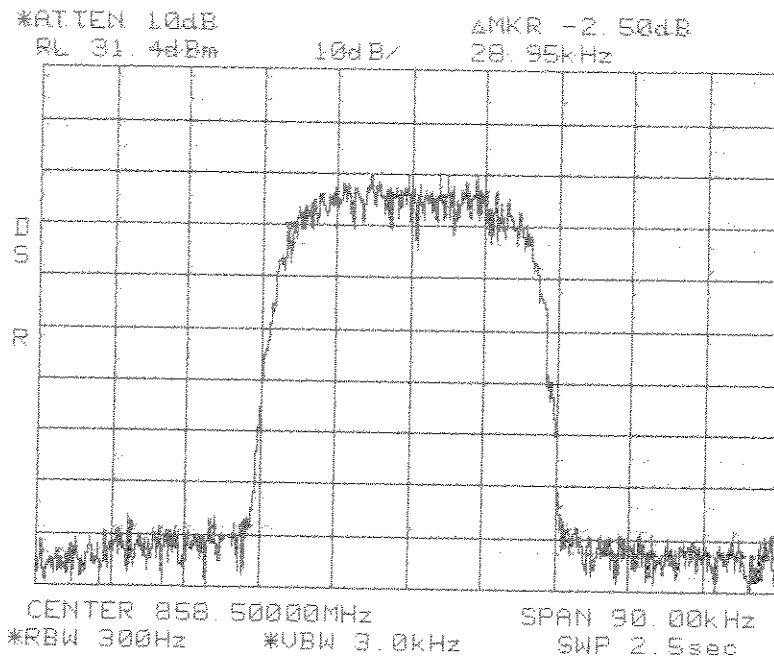
**Occupied Bandwidth
FM In
SMR 900 MHz**



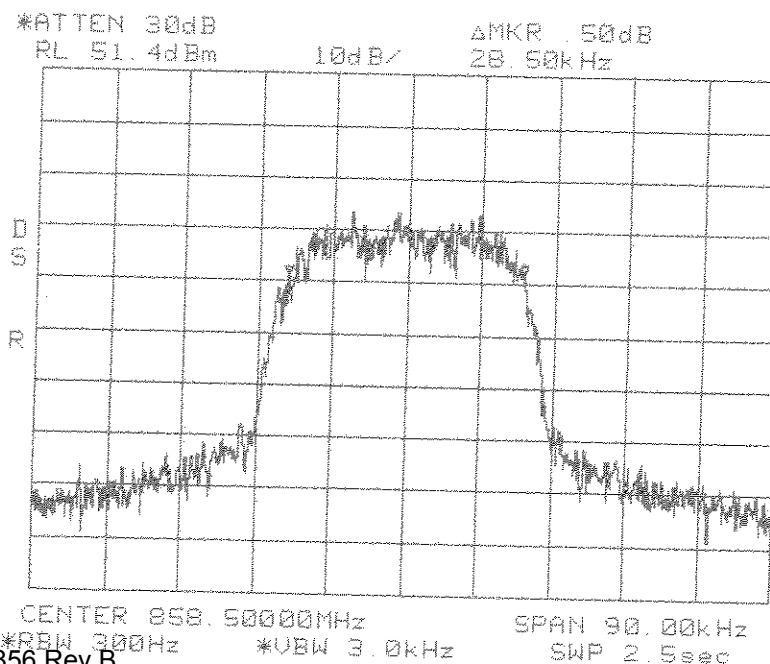
**Occupied Bandwidth
FM Out
SMR 900 MHz**

Center: 937.5 MHz
Span: 90 KHz
RBW/VBW: 300 Hz / 3 kHz

Center: 858.5 MHz
Span: 90 KHz
RBW/VBW: 300 Hz / 3 kHz



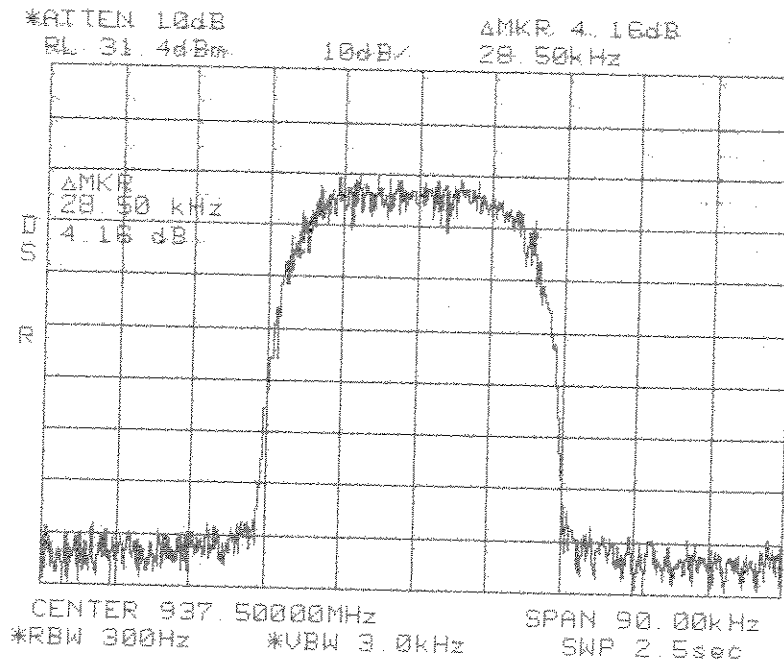
**Occupied Bandwidth
16 QAM In
SMR 800 MHz**



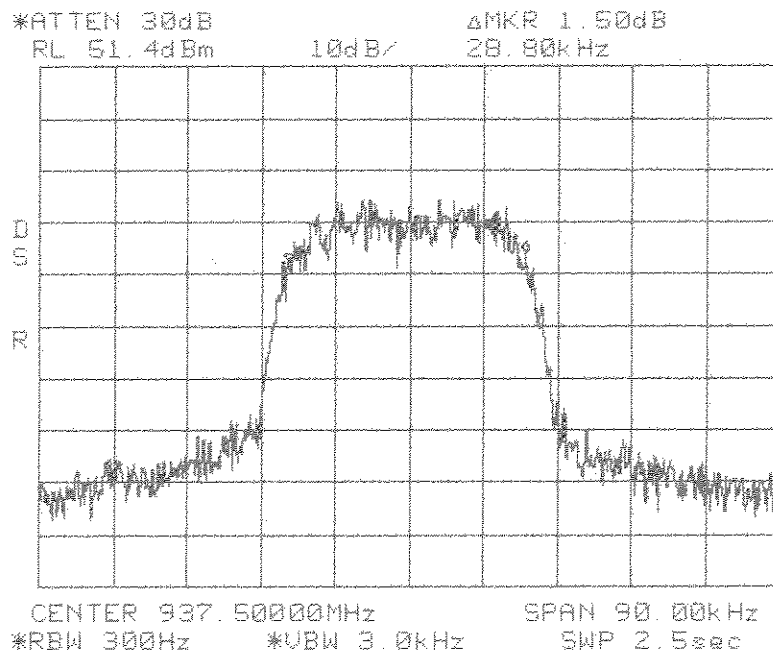
**Occupied Bandwidth
16 QAM Out
SMR 800 MHz**

Center: 858.5 MHz
Span: 90 KHz
RBW/VBW: 300 Hz / 3 kHz

Center: 937.5 MHz
Span: 90 KHz
RBW/VBW: 300 Hz / 3 kHz



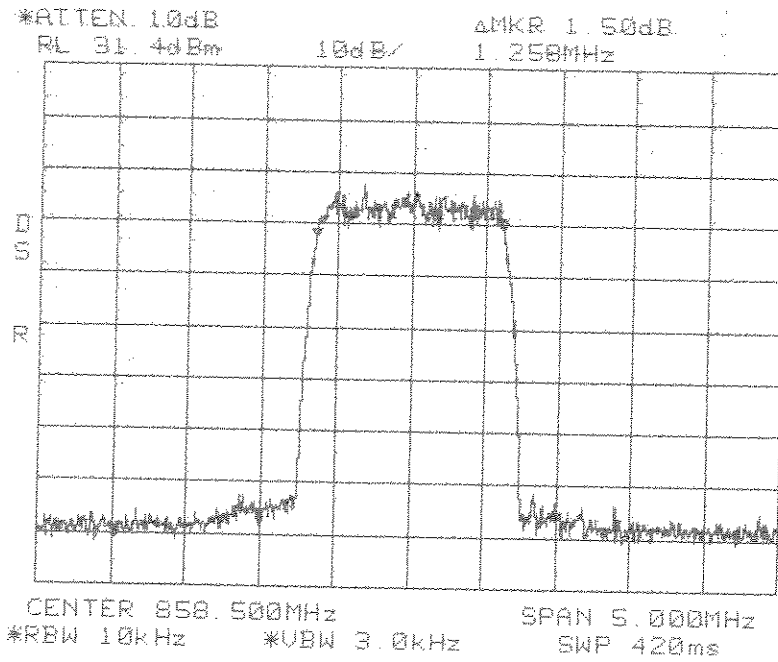
**Occupied Bandwidth
16 QAM In
SMR 900 MHz**



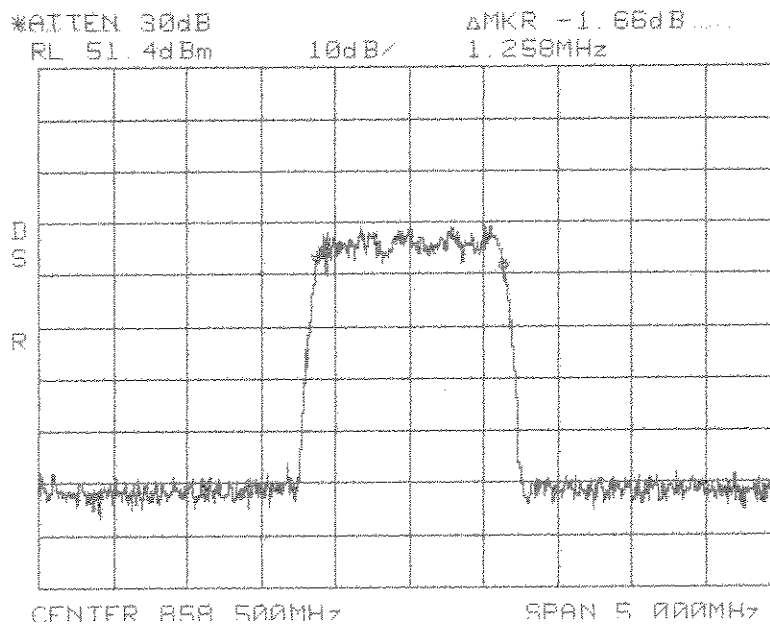
**Occupied Bandwidth
16 QAM Out
SMR 900 MHz**

Center: 937.5 MHz
Span: 90 KHz
RBW/VBW: 300 Hz / 3 kHz

Center: 858.5 MHz
Span: 5 MHz
RBW/VBW: 10 kHz / 3 kHz



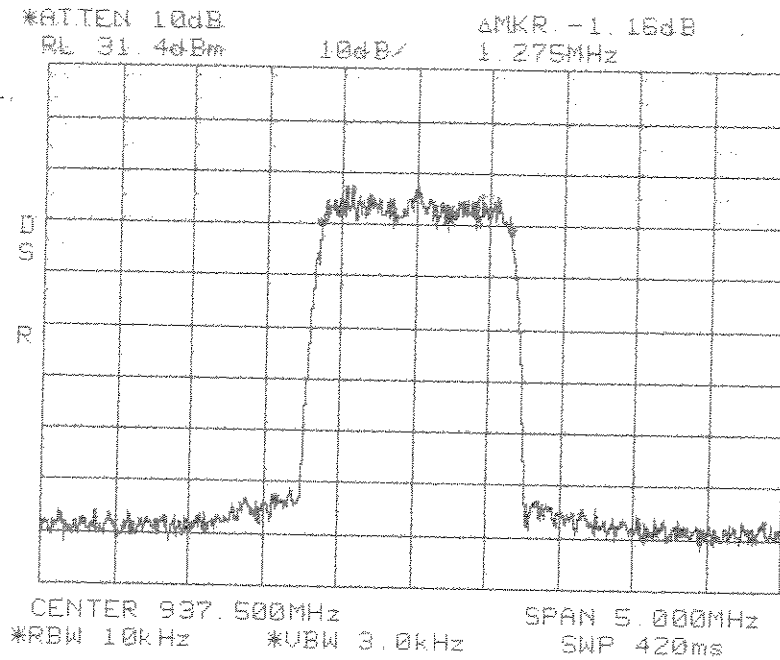
**Occupied Bandwidth
CDMA In
SMR 800 MHz**



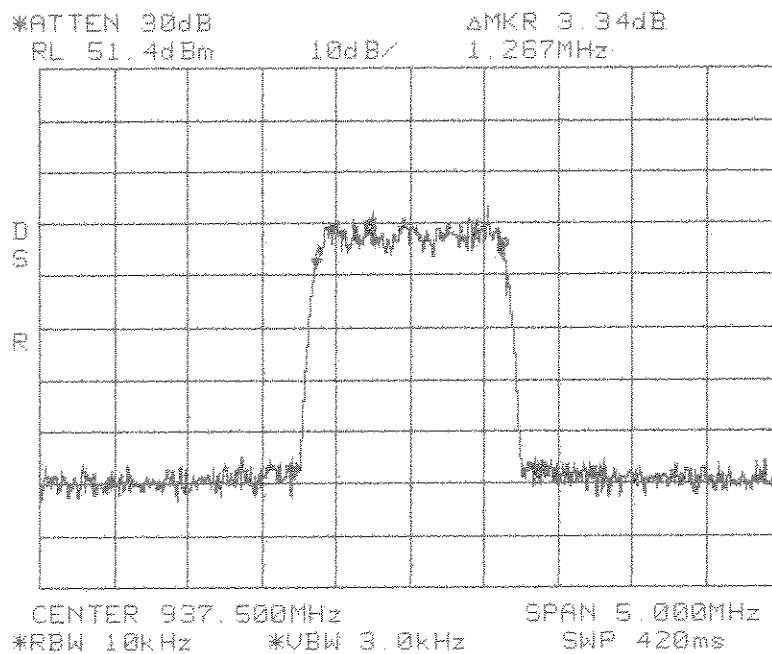
**Occupied Bandwidth
CDMA Out
SMR 800 MHz**

Center: 858.5 MHz
Span: 5 MHz
RBW/VBW: 10 kHz / 3 kHz

Center: 937.5 MHz
Span: 5 MHz
RBW/VBW: 10 kHz / 3 kHz



**Occupied Bandwidth
CDMA In
SMR 900 MHz**



**Occupied Bandwidth
CDMA Out
SMR 900 MHz**

Center: 937.5 MHz
Span: 5 MHz
RBW/VBW: 10 kHz / 3 kHz

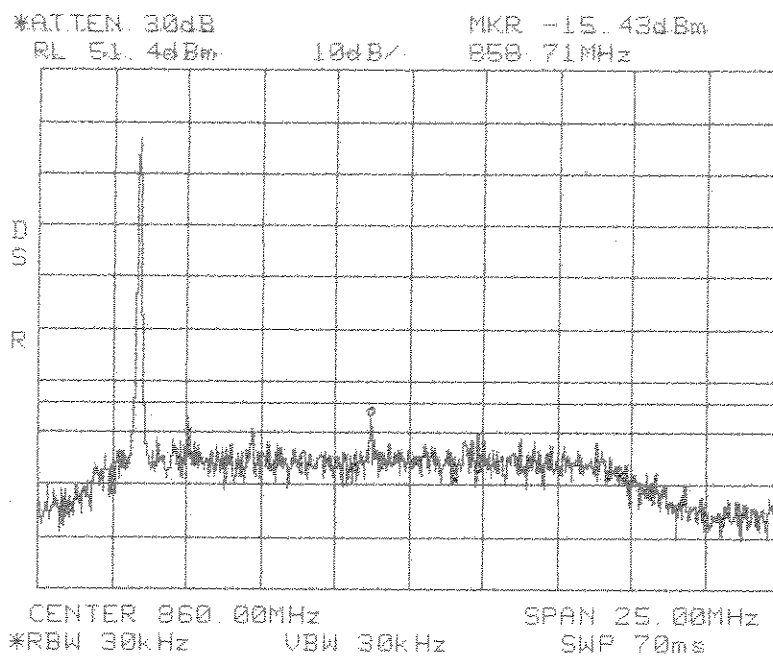
Conducted Emission Limits Test for ADC Inc.
Digivance CXD
Model Number DGVF-01000000XXCRN

The out of band emissions were measured directly from the EUT antenna output with a spectrum analyzer from 30 MHz to the 10th harmonic of the highest carrier frequency. Test signals used are CW, FM, 16 QAM, and CDMA. The different signals were input one at a time to the EUT. In all cases, the out of band emissions were less than -13dBm from the equation
$$(19\text{dBm} - [43 + 10\log(0.08\text{W})])$$

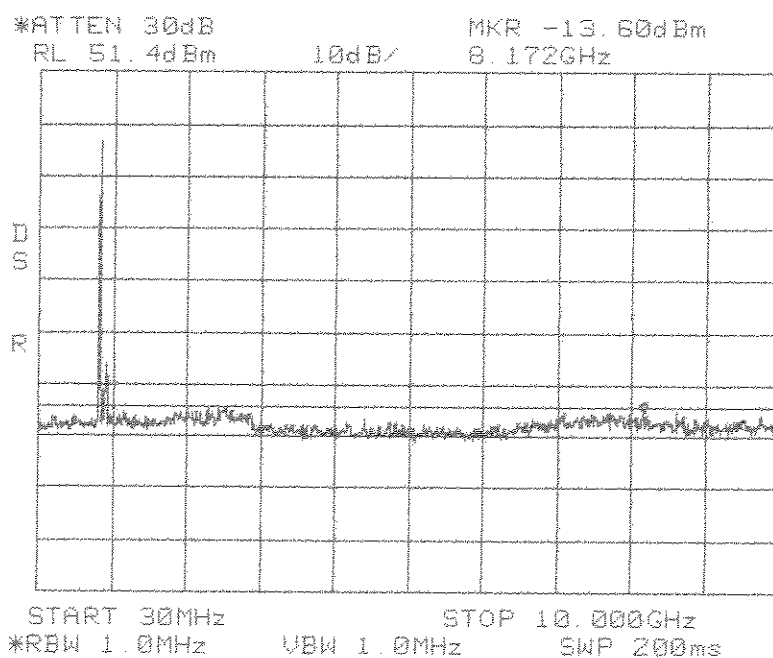
Band edge compliance is also demonstrated using a FM signal at the upper and lower limits of the band and a resolution bandwidth of 300 Hz.

Results:
Pass (See plots)

Center: 860.0 MHz
Span: 25 MHz
RBW/VBW: 30 kHz



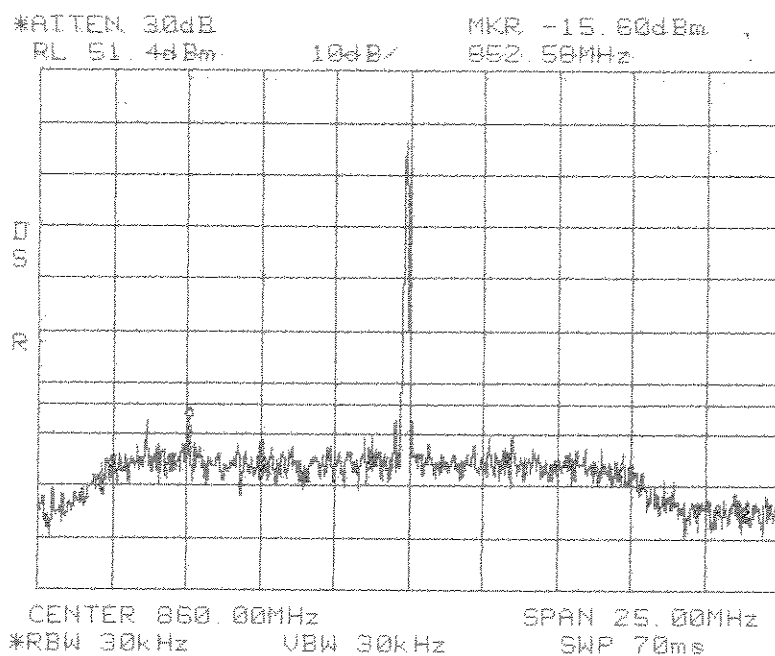
Conducted Emissions
Low
SMR 800 MHz



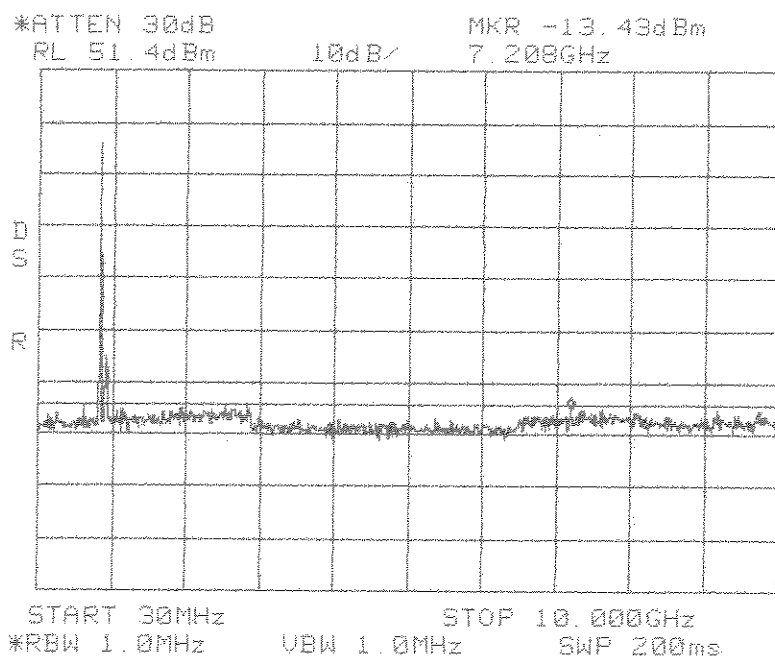
Conducted Emissions
Low
SMR 800 MHz

Span: 30 MHz to 10 GHz
RBW/VBW: 1 MHz

Center: 860.0 MHz
Span: 25 MHz
RBW/VBW: 30 kHz



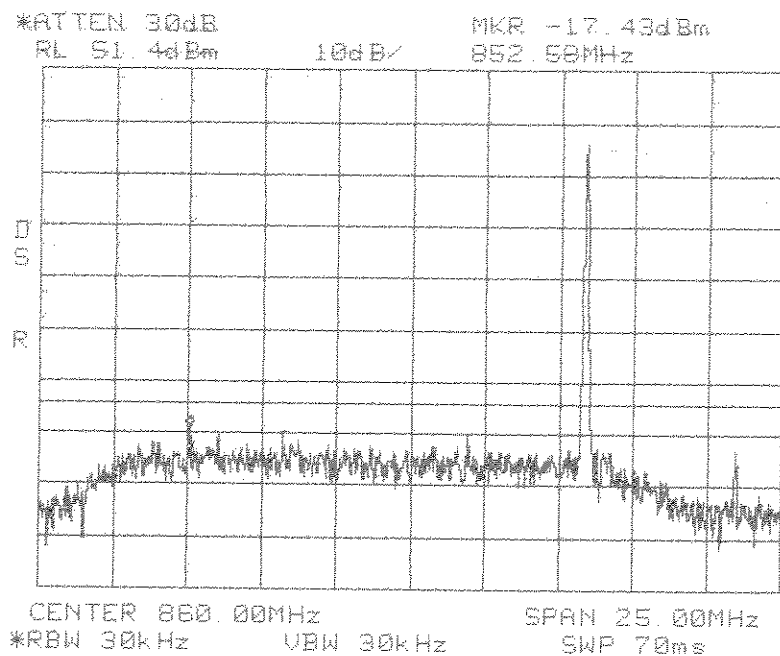
Conducted Emissions
Mid
SMR 800 MHz



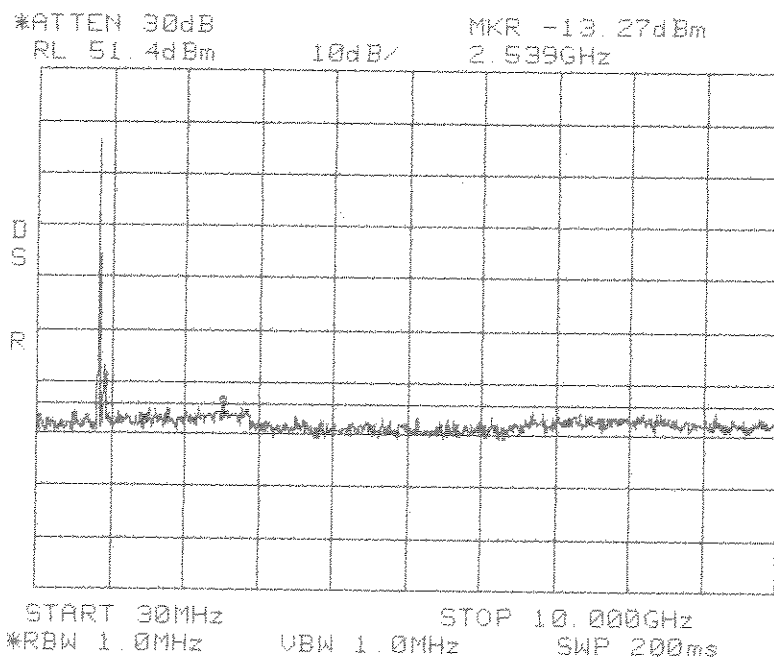
Conducted Emissions
Mid
SMR 800 MHz

Span: 30 MHz to 10 GHz
RBW/VBW: 1 MHz

Center: 860.0 MHz
Span: 25 MHz
RBW/VBW: 30 kHz



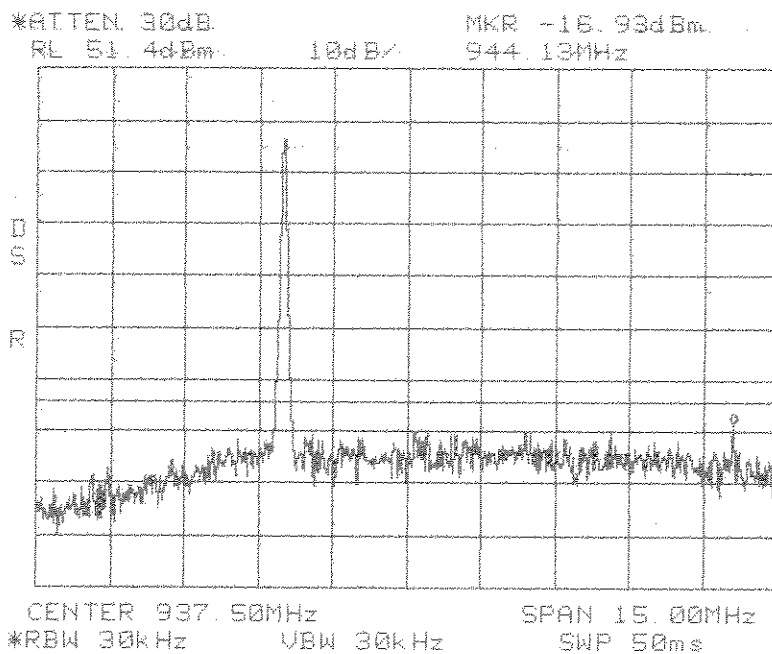
**Conducted Emissions
High
SMR 800 MHz**



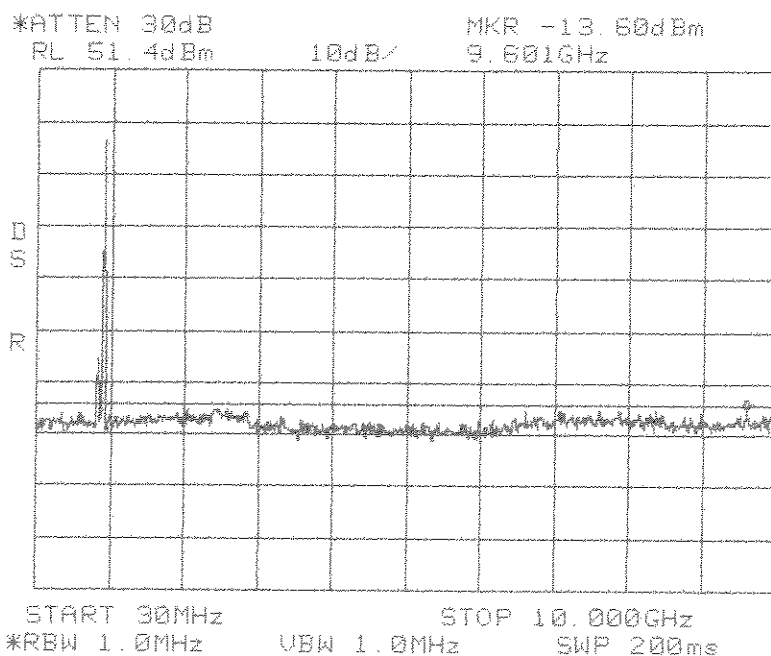
**Conducted Emissions
High
SMR 800 MHz**

Span: 30 MHz to 10 GHz
RBW/VBW: 1 MHz

Center: 937.5 MHz
Span: 15 MHz
RBW/VBW: 30 kHz



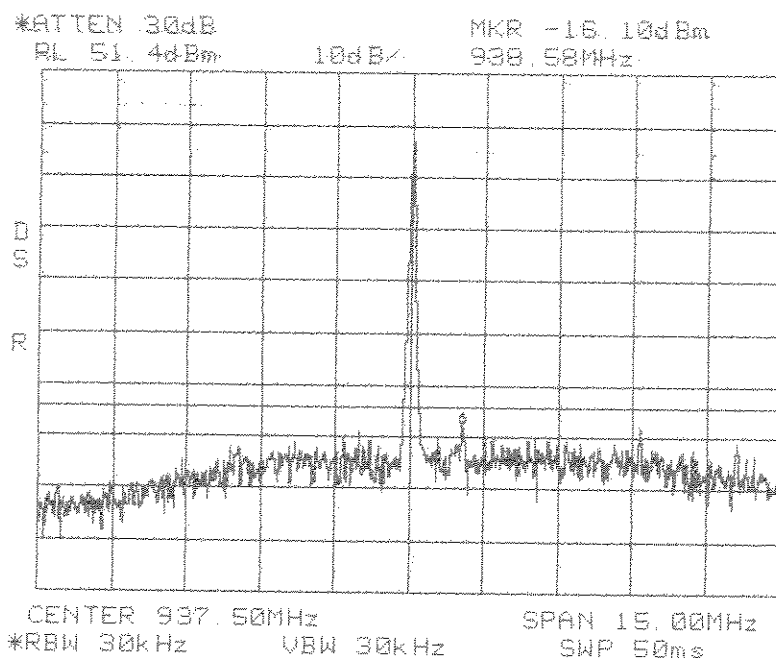
**Conducted Emissions
Low
SMR 900 MHz**



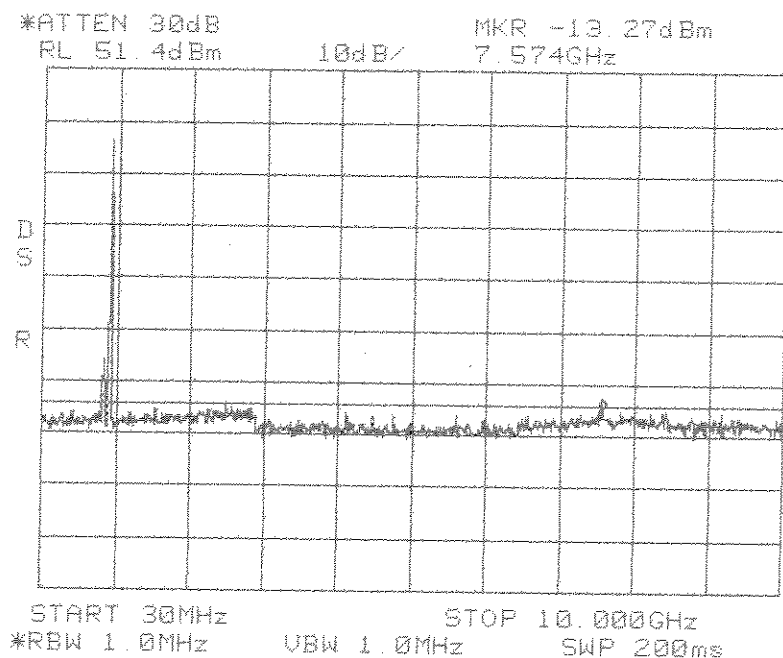
**Conducted Emissions
Low
SMR 900 MHz**

Span: 30 MHz to 10 GHz
RBW/VBW: 1 MHz

Center: 937.5 MHz
Span: 15 MHz
RBW/VBW: 30 kHz



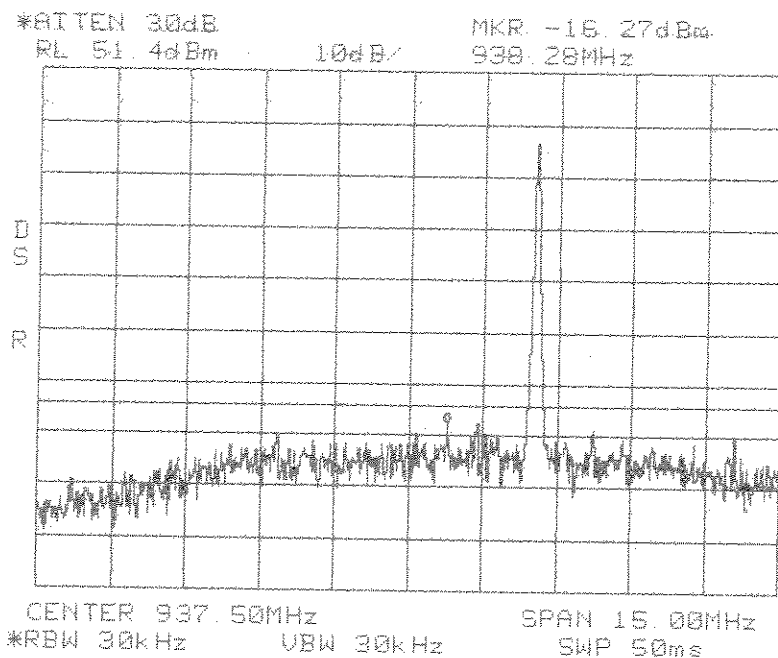
**Conducted Emissions
Mid
SMR 900 MHz**



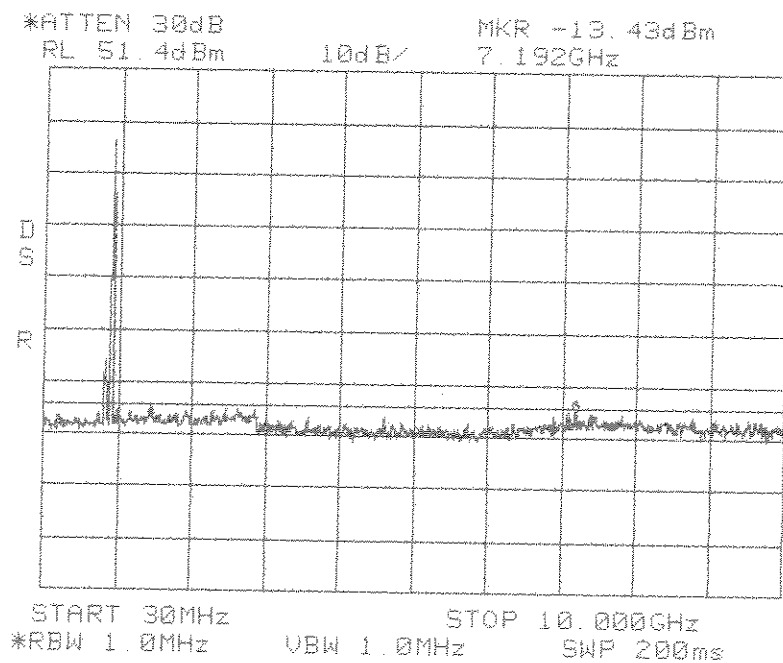
**Conducted Emissions
Mid
SMR 900 MHz**

Span: 30 MHz to 10 GHz
RBW/VBW: 1 MHz

Center: 937.5 MHz
Span: 15 MHz
RBW/VBW: 30 kHz



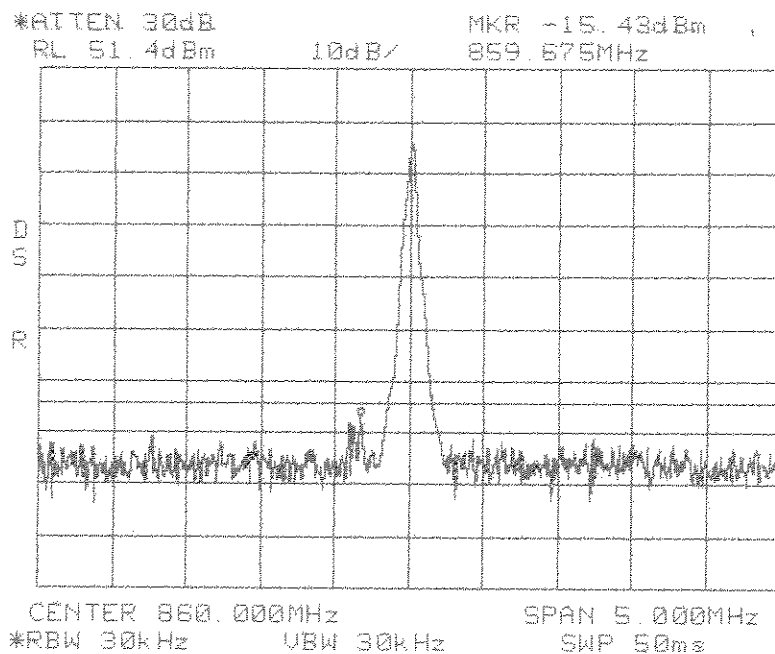
**Conducted Emissions
High
SMR 900 MHz**



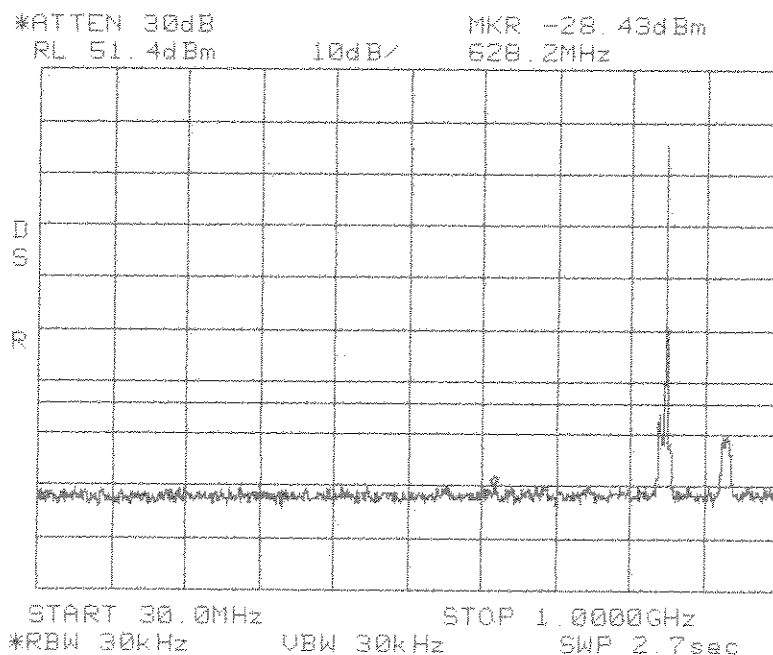
**Conducted Emissions
High
SMR 900 MHz**

Span: 30 MHz to 10 GHz
RBW/VBW: 1 MHz

Center: 860.0 MHz
Span: 5 MHz
RBW/VBW: 30 kHz



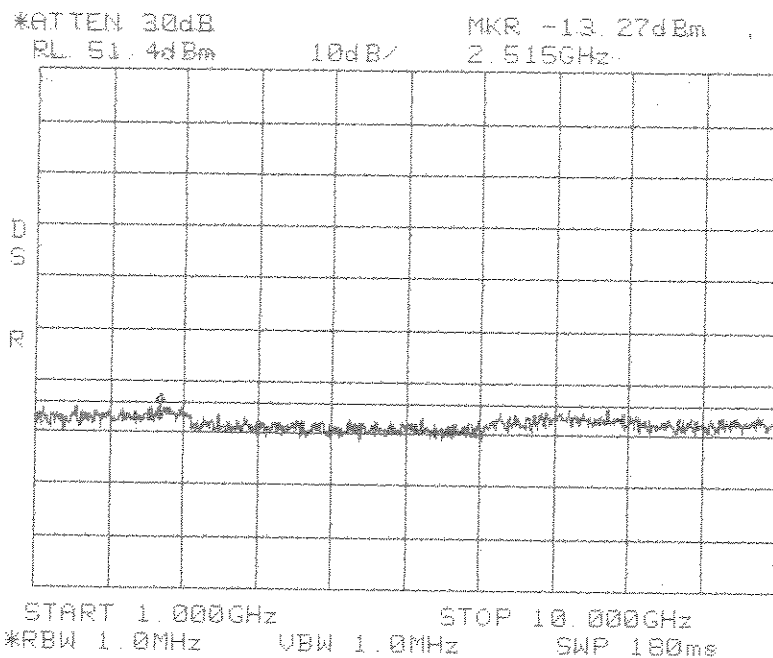
**Conducted Emissions
FM
SMR 800 MHz**



**Conducted Emissions
FM
SMR 800 MHz**

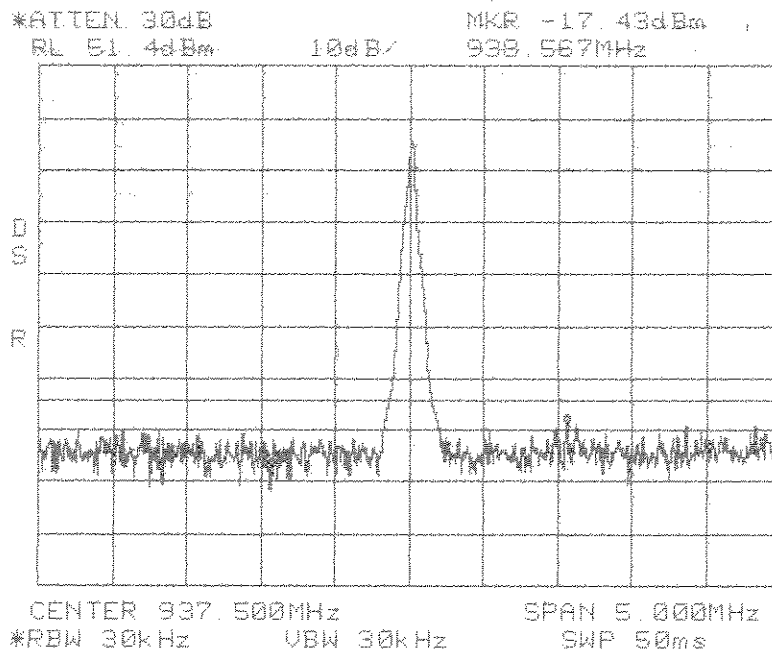
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

1 GHz to 10 GHz
RBW/VBW: 1 MHz

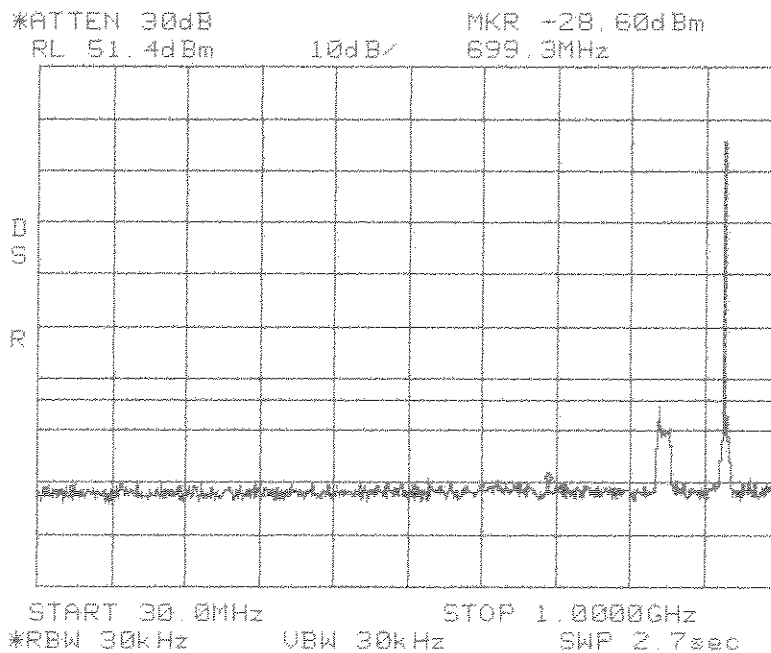


Conducted Emissions
FM
SMR 800 MHz

Center: 937.5 MHz
Span: 5 MHz
RBW/VBW: 30 kHz



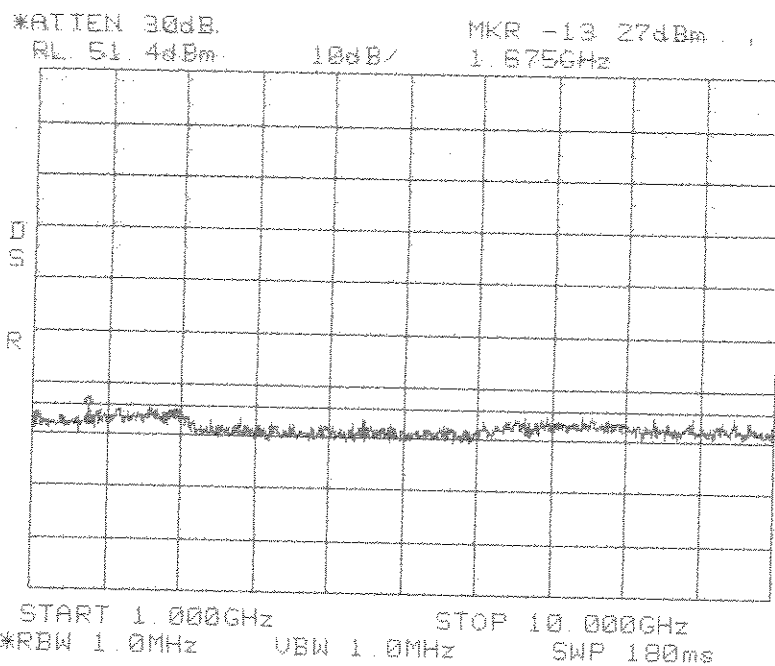
**Conducted Emissions
FM
SMR 900 MHz**



**Conducted Emissions
FM
SMR 900 MHz**

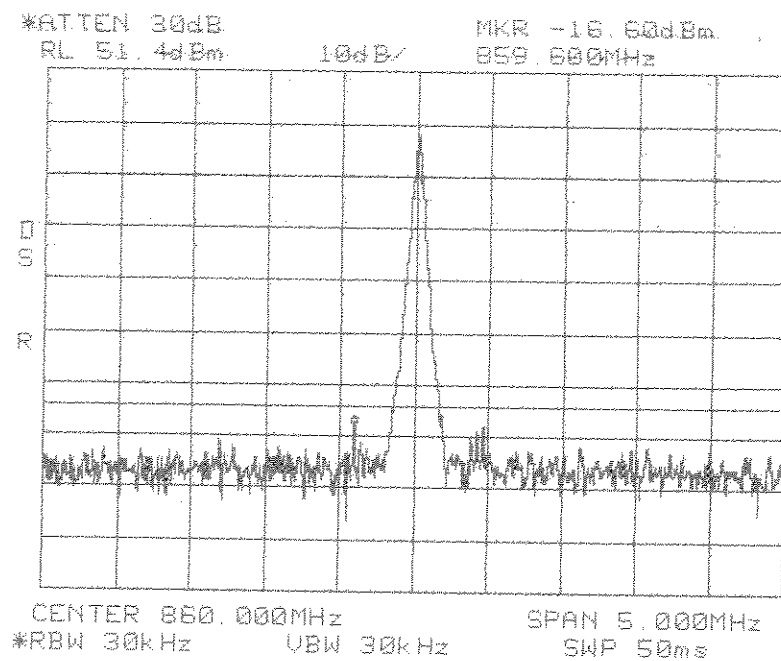
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

1 GHz to 10 GHz
RBW/VBW: 1 MHz

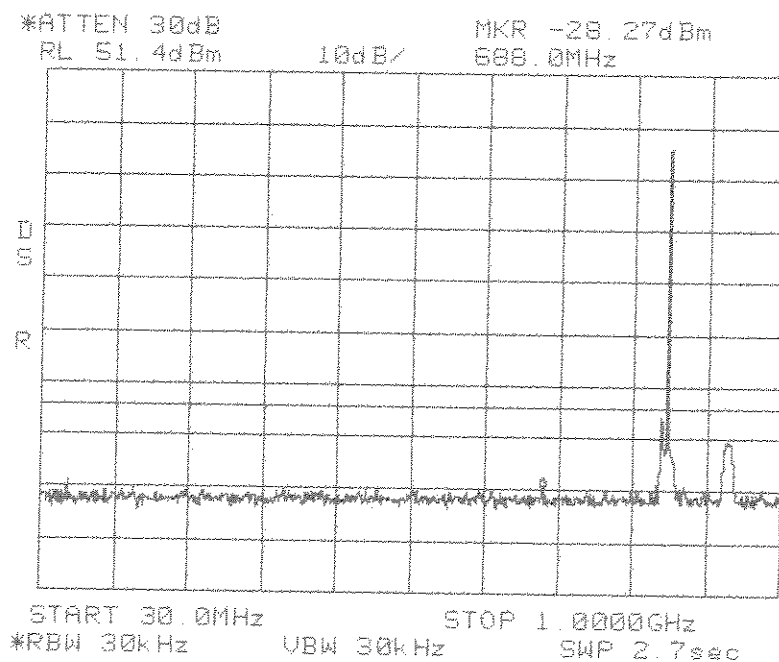


Conducted Emissions
FM
SMR 900 MHz

Center: 860.0 MHz
Span: 5 MHz
RBW/VBW: 30 kHz



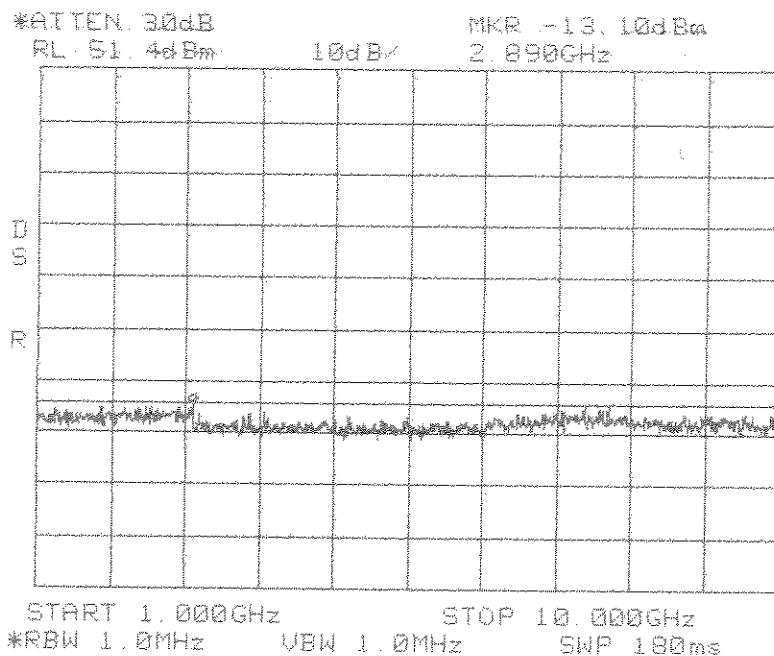
Conducted Emissions
16QAM
SMR 800 MHz



Conducted Emissions
16QAM
SMR 800 MHz

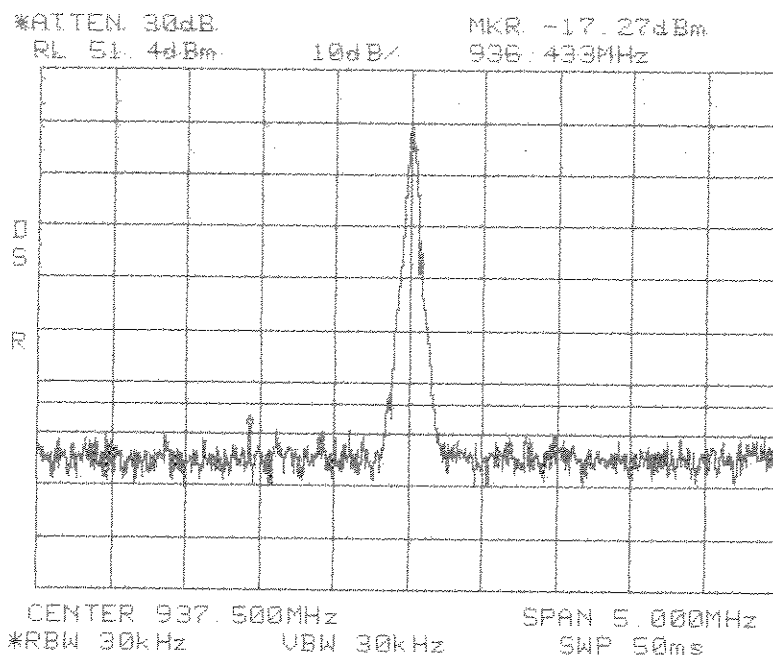
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

1 GHz to 10 GHz
RBW/VBW: 1 MHz

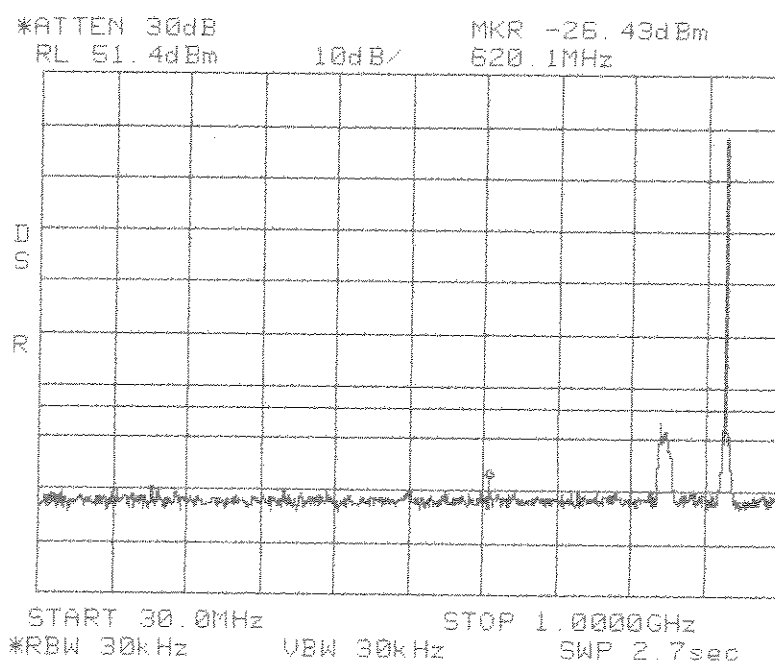


Conducted Emissions
16QAM
SMR 800 MHz

Center: 937.5 MHz
Span: 5 MHz
RBW/VBW: 30 kHz



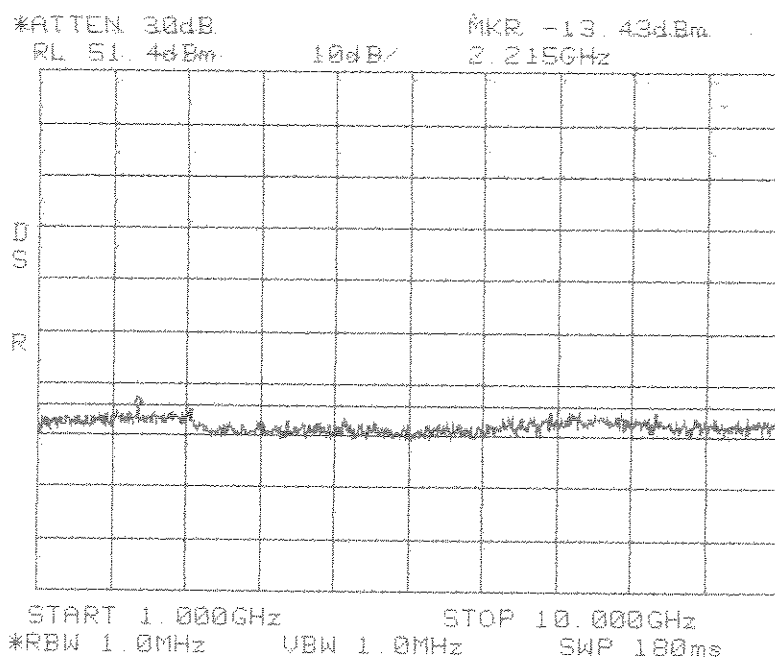
Conducted Emissions
16QAM
SMR 900 MHz



Conducted Emissions
16QAM
SMR 900 MHz

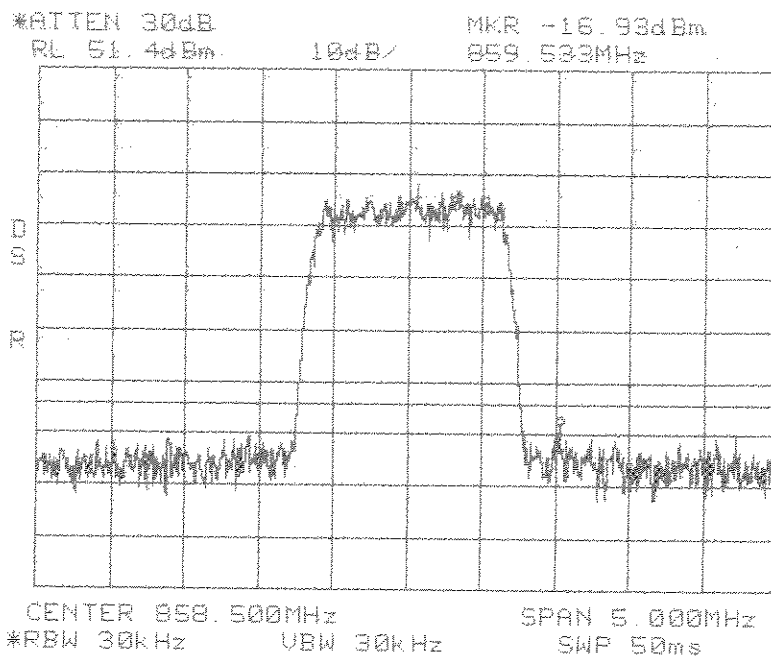
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

1 GHz to 10 GHz
RBW/VBW: 1 MHz

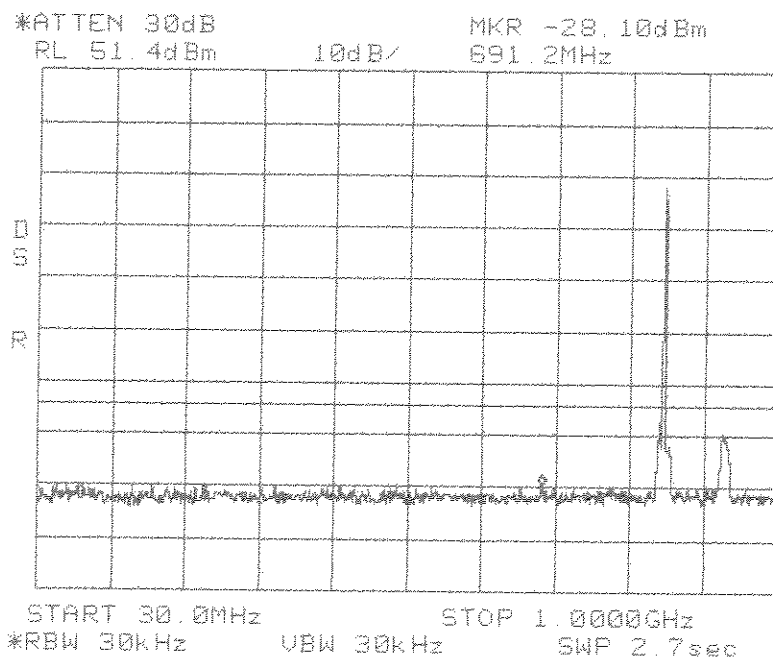


Conducted Emissions
16QAM
SMR 900 MHz

Center: 858.5 MHz
Span: 5 MHz
RBW/VBW: 30 kHz



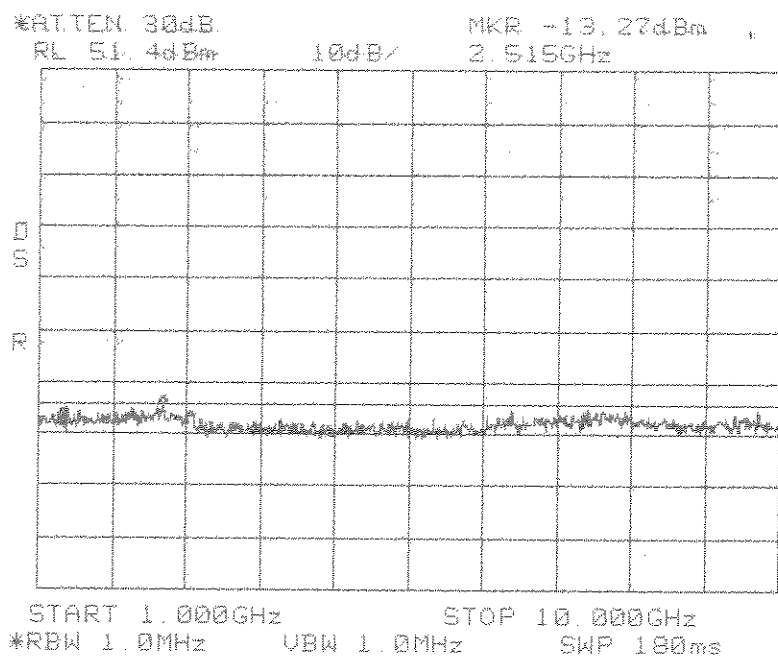
Conducted Emissions
CDMA
SMR 800 MHz



Conducted Emissions
CDMA
SMR 800 MHz

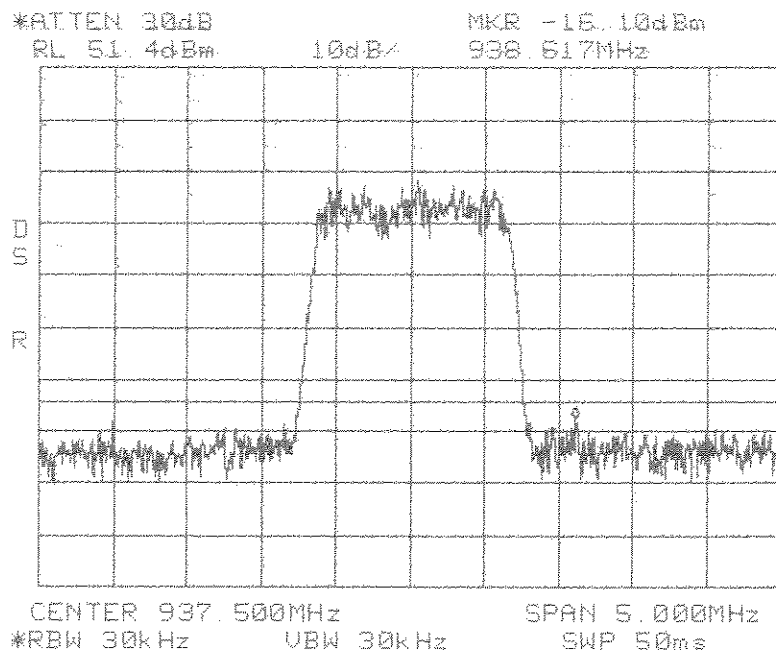
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

1 GHz to 10 GHz
RBW/VBW: 1 MHz

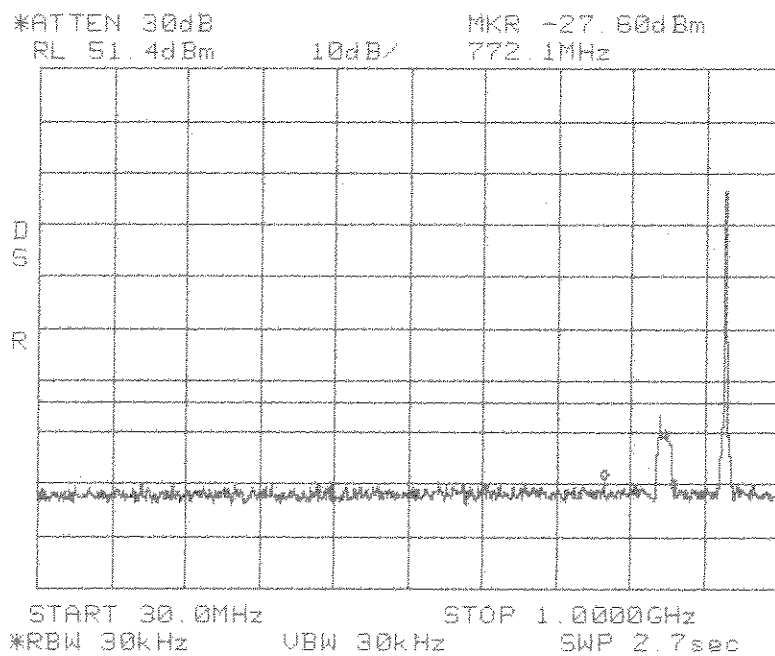


Conducted Emissions
CDMA
SMR 800 MHz

Center: 937.5 MHz
Span: 5 MHz
RBW/VBW: 30 kHz



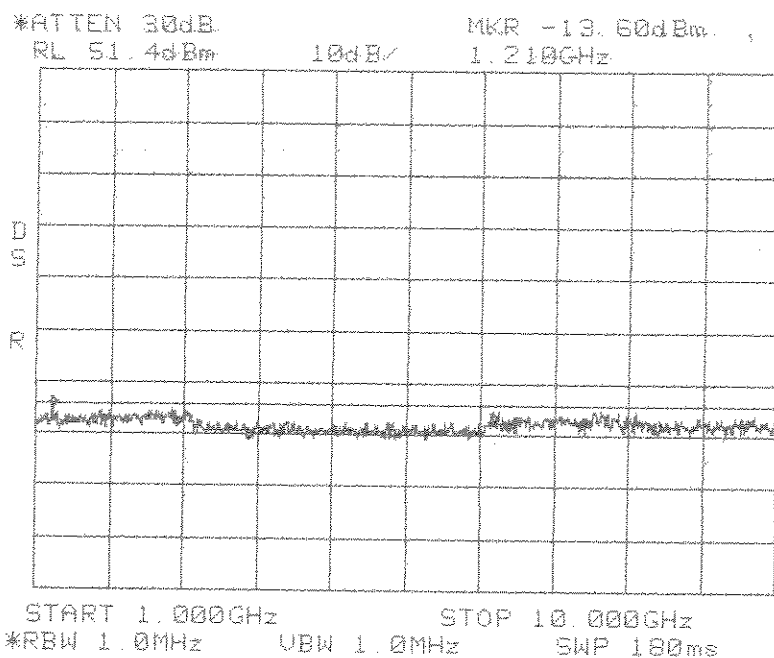
**Conducted Emissions
CDMA
SMR 900 MHz**



**Conducted Emissions
CDMA
SMR 900 MHz**

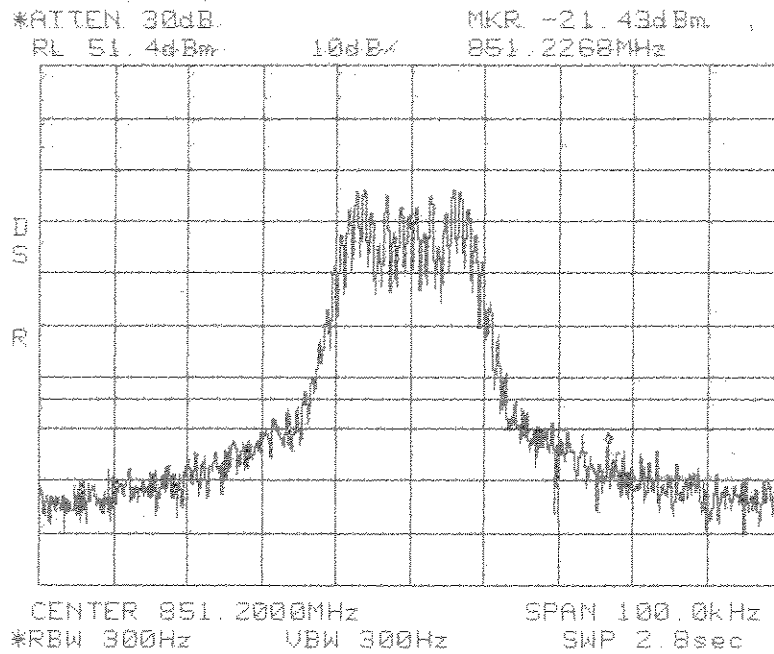
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

1 GHz to 10 GHz
RBW/VBW: 1 MHz

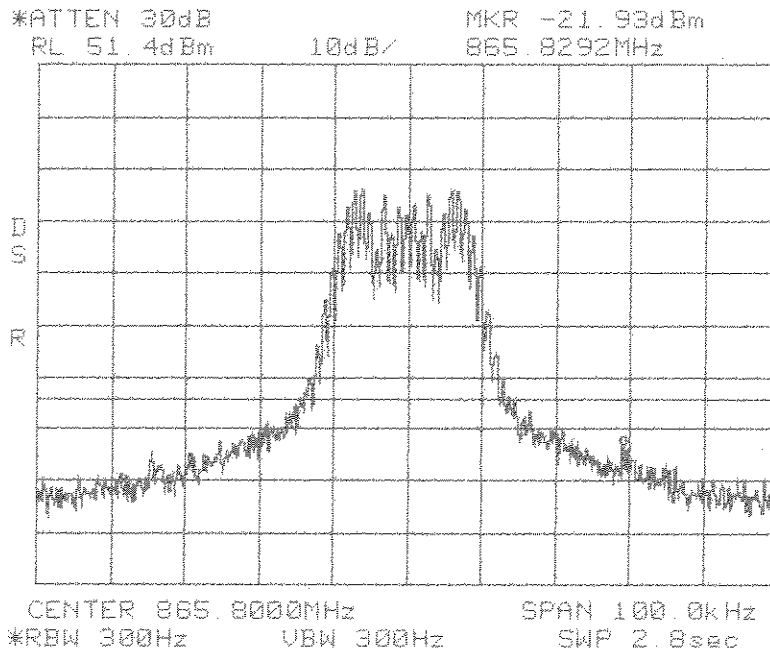


Conducted Emissions
CDMA
SMR 900 MHz

Center: 851.2 MHz
Span: 100 kHz
RBW/VBW: 300 Hz / 300 Hz



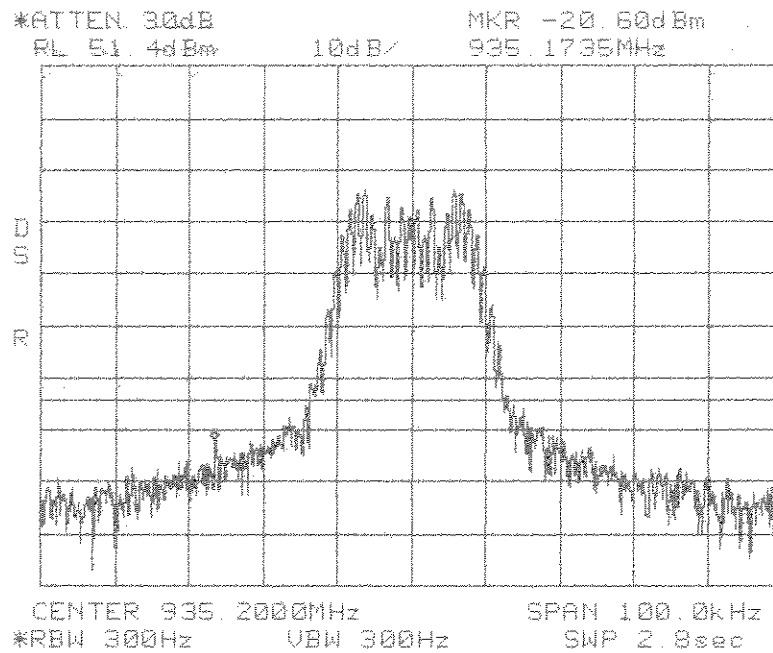
**Conducted Emissions
Band Edge
FM
SMR 800 MHz**



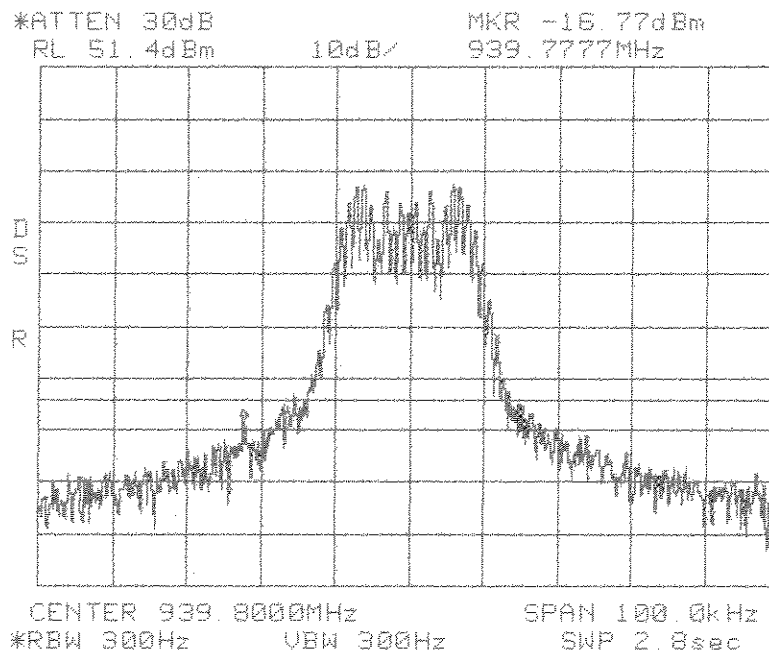
**Conducted Emissions
Band Edge
FM
SMR 800 MHz**

Center: 865.8 MHz
Span: 100 kHz
RBW/VBW: 300 Hz / 300 Hz

Center: 935.2 MHz
Span: 100 kHz
RBW/VBW: 300 Hz / 300 Hz



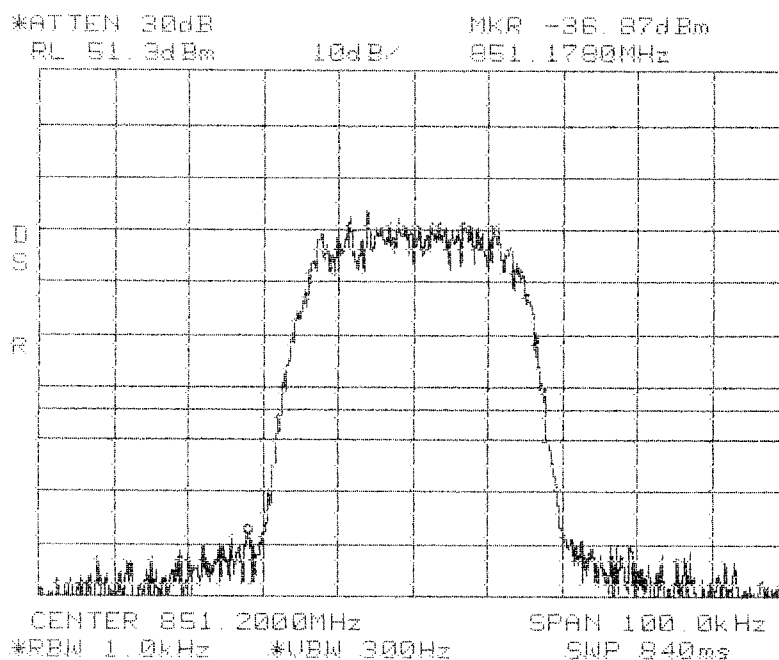
**Conducted Emissions
Band Edge
FM
SMR 900 MHz**



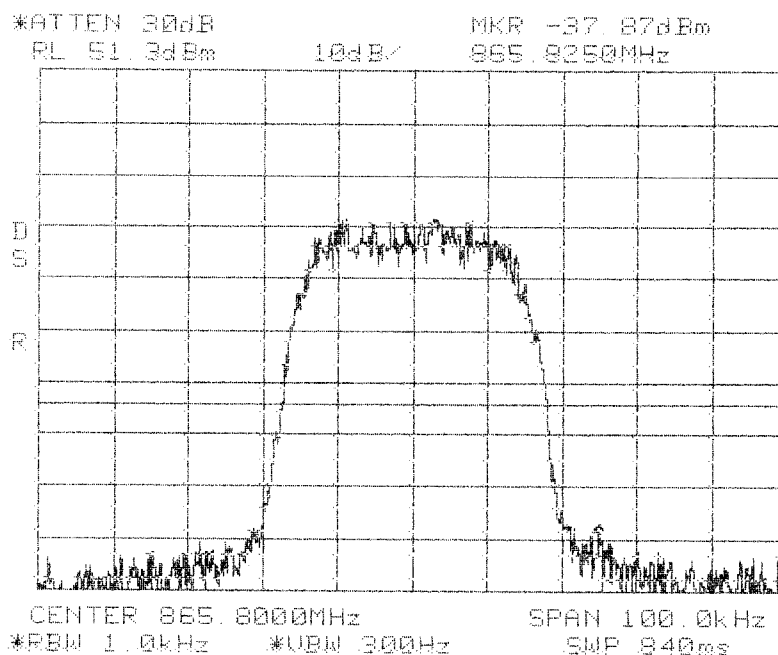
**Conducted Emissions
Band Edge
FM
SMR 900 MHz**

Center: 939.8 MHz
Span: 100 kHz
RBW/VBW: 300 Hz / 300 Hz

Center: 851.2 MHz
Span: 100 kHz
RBW/VBW: 1 kHz / 300 Hz



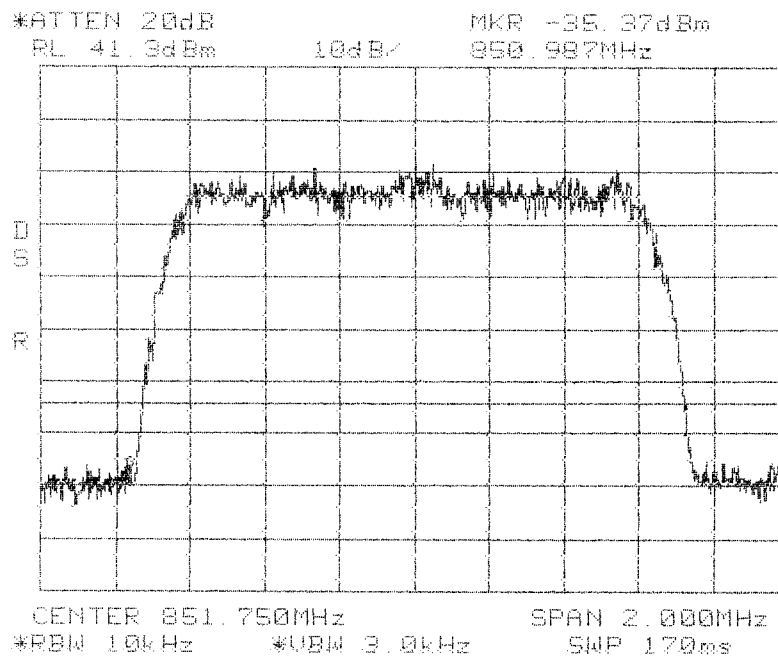
**Conducted Emissions
Band Edge
16QAM
SMR 800 MHz**



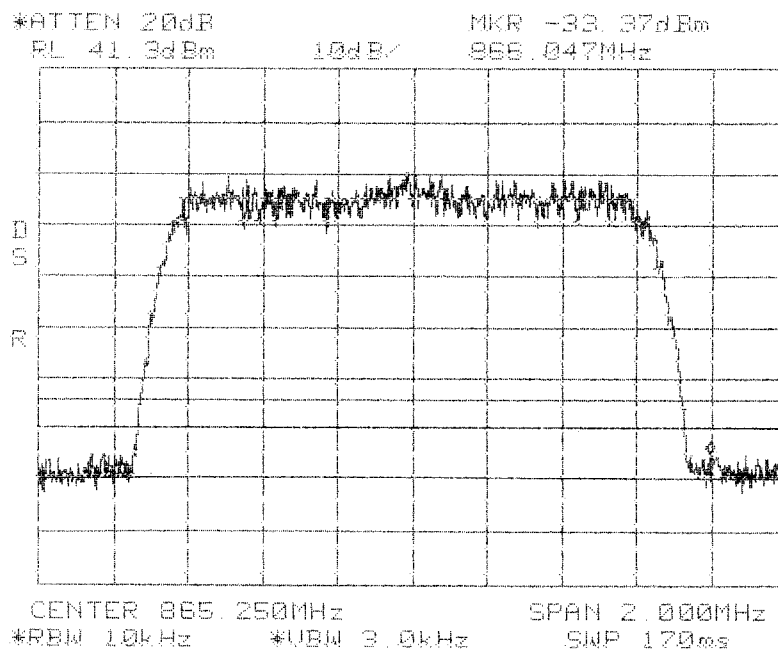
**Conducted Emissions
Band Edge
16QAM
SMR 800 MHz**

Center: 865.8 MHz
Span: 100 kHz
RBW/VBW: 1 kHz / 300 Hz

Center: 851.75 MHz
Span: 2 MHz
RBW/VBW: 10 kHz / 3 kHz



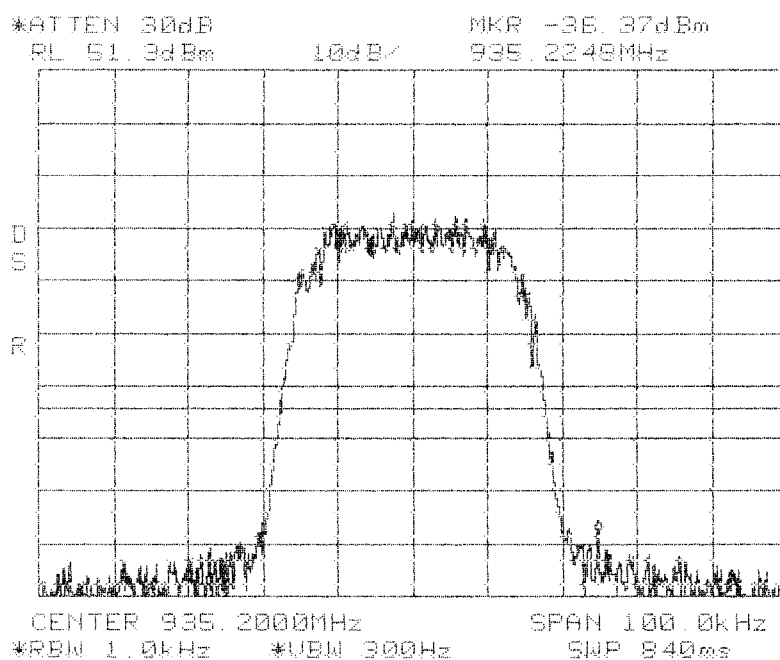
**Conducted Emissions
Band Edge
CDMA
SMR 800 MHz**



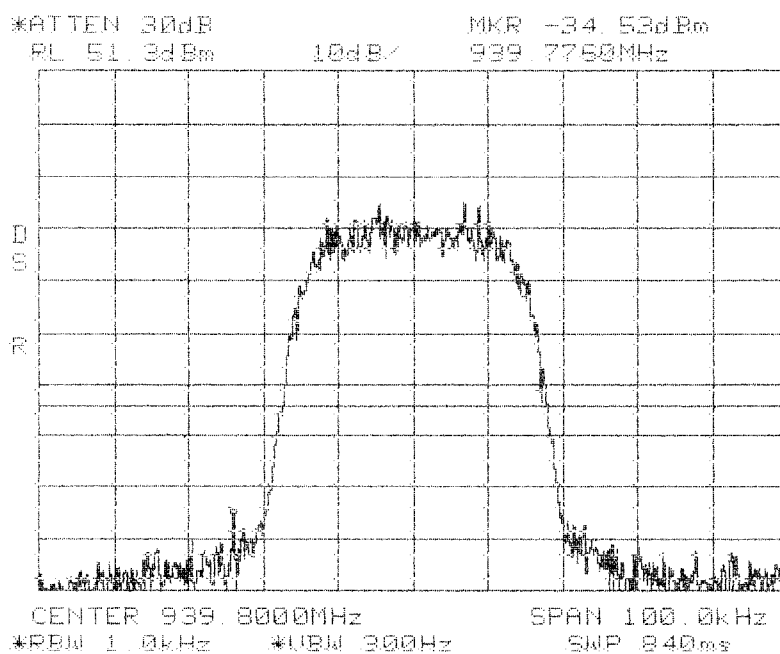
**Conducted Emissions
Band Edge
CDMA
SMR 800 MHz**

Center: 865.25 MHz
Span: 2 MHz
RBW/VBW: 10 kHz / 3 kHz

Center: 935.2 MHz
Span: 100 kHz
RBW/VBW: 1 kHz / 300 Hz



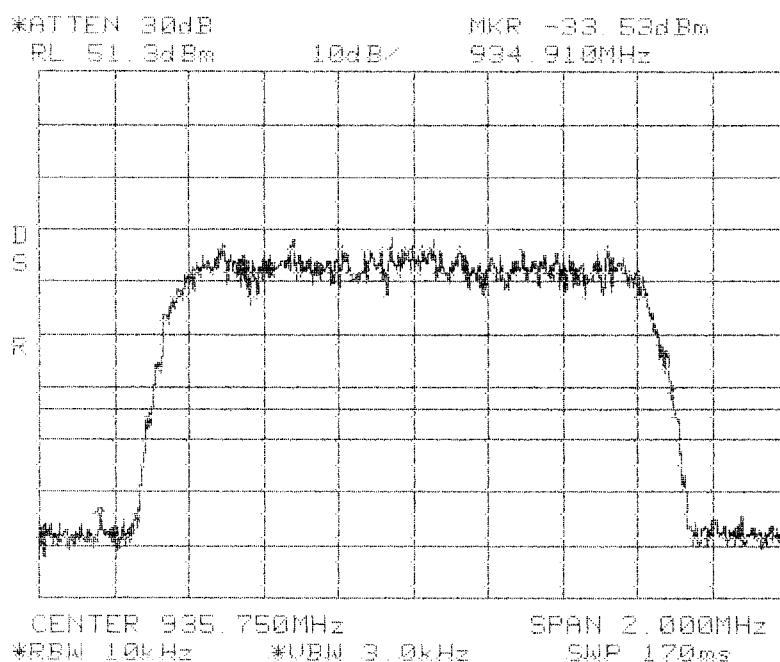
**Conducted Emissions
Band Edge
16QAM
SMR 900 MHz**



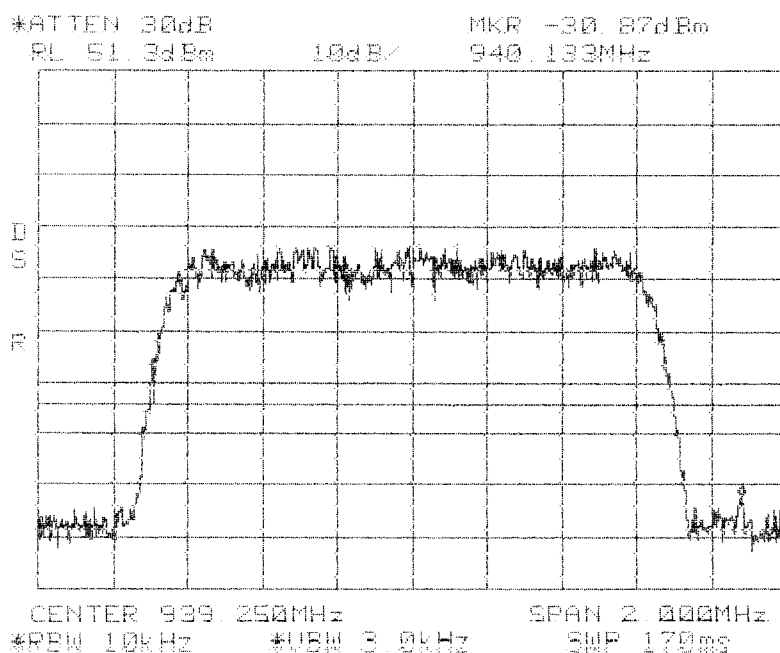
**Conducted Emissions
Band Edge
16QAM
SMR 900 MHz**

Center: 939.8 MHz
Span: 100 kHz
RBW/VBW: 1 kHz / 300 Hz

Center: 935.75 MHz
Span: 2 MHz
RBW/VBW: 10 kHz / 3 kHz



**Conducted Emissions
Band Edge
CDMA
SMR 900 MHz**



**Conducted Emissions
Band Edge
CDMA
SMR 900 MHz**

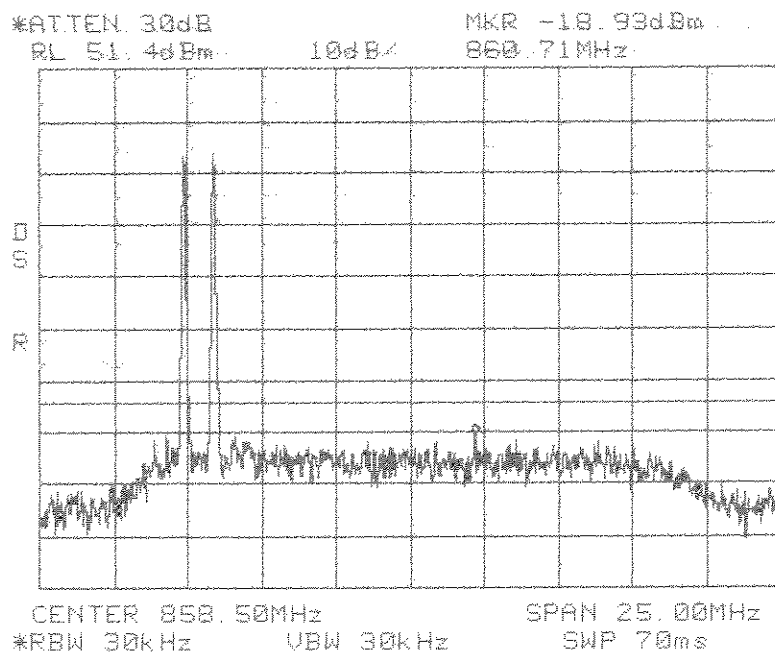
Center: 939.25 MHz
Span: 2 MHz
RBW/VBW: 10 kHz / 3 kHz

Inter-Modulation Test for ADC Inc
Digivance CXD
Model Number DGVF-01000000XXCRN

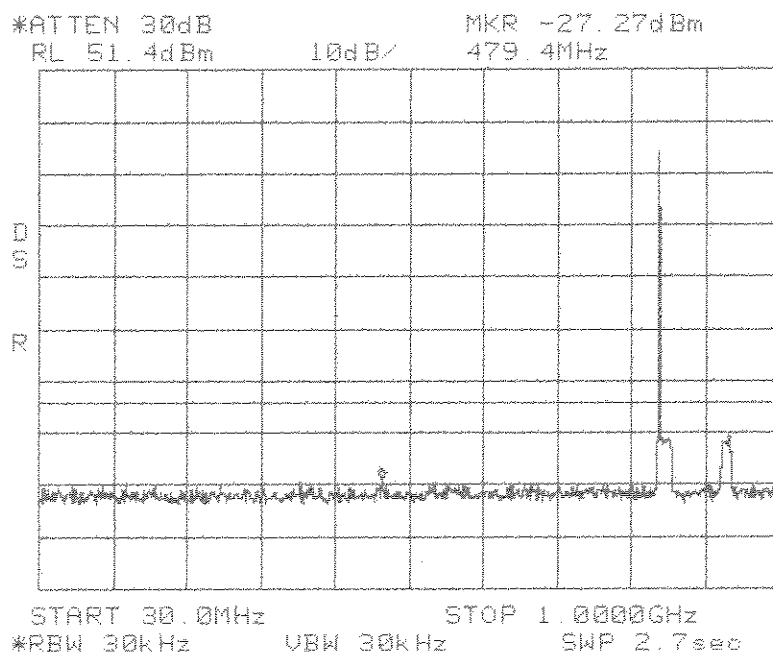
The intermodulation products test was performed for the EUT. Three tests were performed with the modulation type. Test 1 was with 2 signals input to the EUT at lower end channels. Test 2 was with 2 signals input to the EUT at upper end channels. Test 3 was with 2 signals, one at a lower end channel and one at a higher end channel. The modulations type tested was FM, 16 QAM, and CDMA. An investigation was made from 30 MHz to the 10th Harmonic of the highest fundamental frequency (~10 GHz). The following plots show the results.

Results:
(See Plots)

Center: 858.5 MHz
Span: 25 MHz
RBW/VBW: 30 kHz



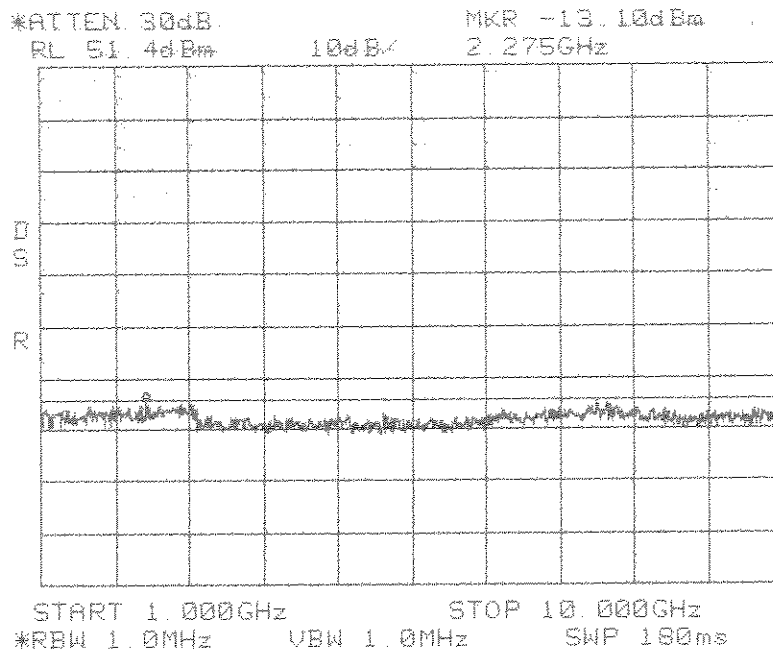
**Intermodulation
Close
Lower
FM
SMR 800 MHz**



**Intermodulation
Close
Lower
FM
SMR 800 MHz**

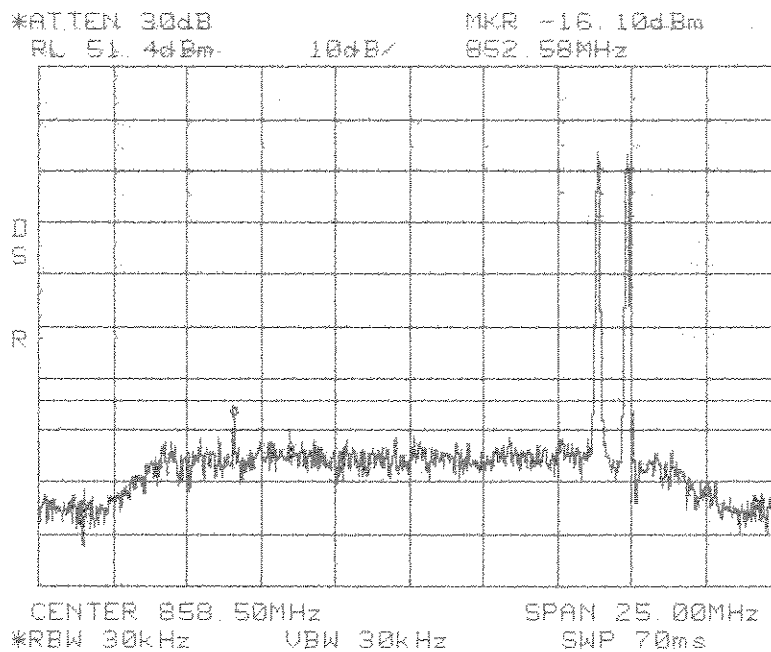
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

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

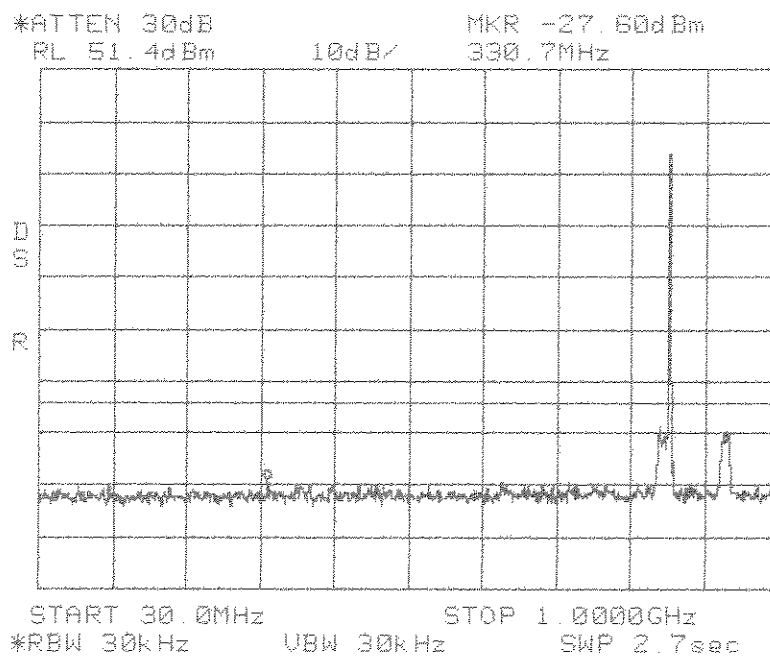


**Intermodulation
Close
Lower
FM
SMR 800 MHz**

Center: 858.5 MHz
Span: 25 MHz
RBW/VBW: 30 kHz



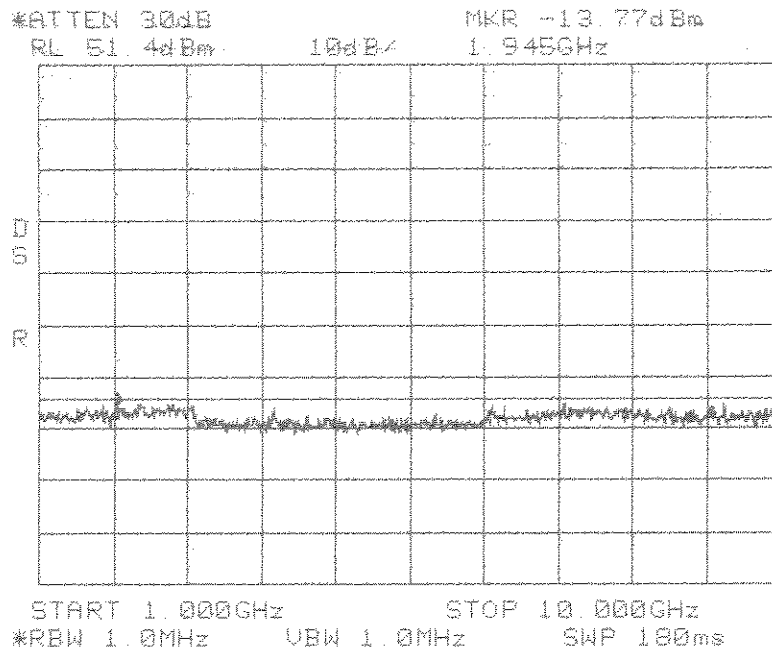
**Intermodulation
Close
Upper
FM
SMR 800 MHz**



**Intermodulation
Close
Upper
FM
SMR 800 MHz**

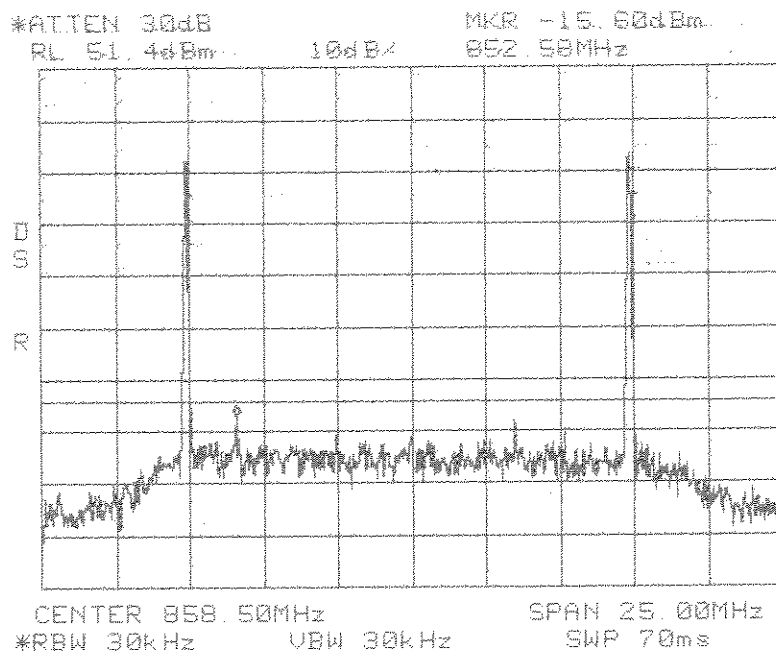
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

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

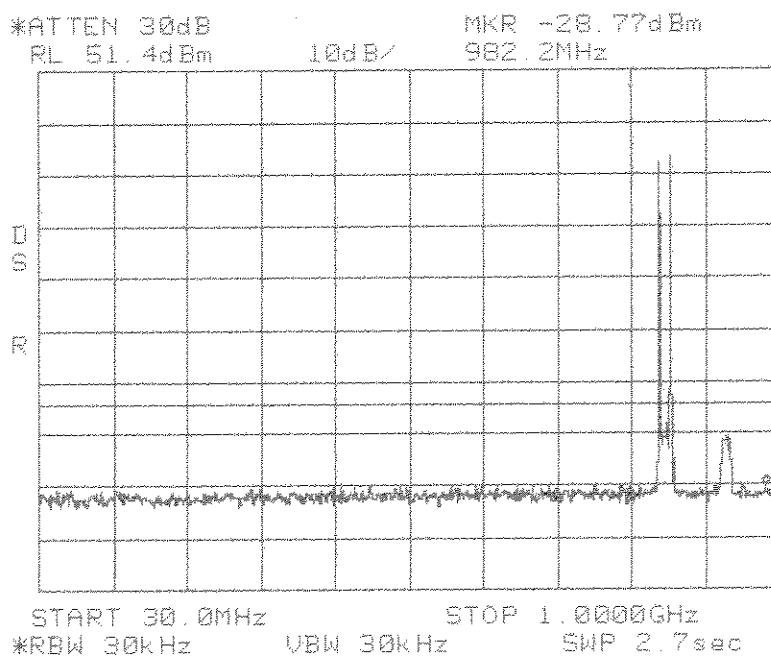


**Intermodulation
Close
Upper
FM
SMR 800 MHz**

Center: 858.5 MHz
Span: 25 MHz
RBW/VBW: 30 kHz



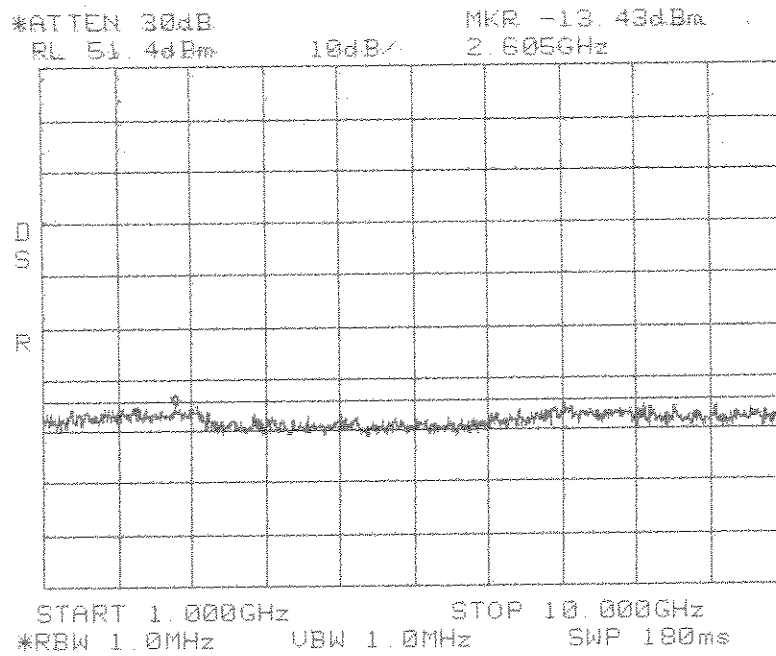
**Intermodulation
Apart
FM
SMR 800 MHz**



**Intermodulation
Apart
FM
SMR 800 MHz**

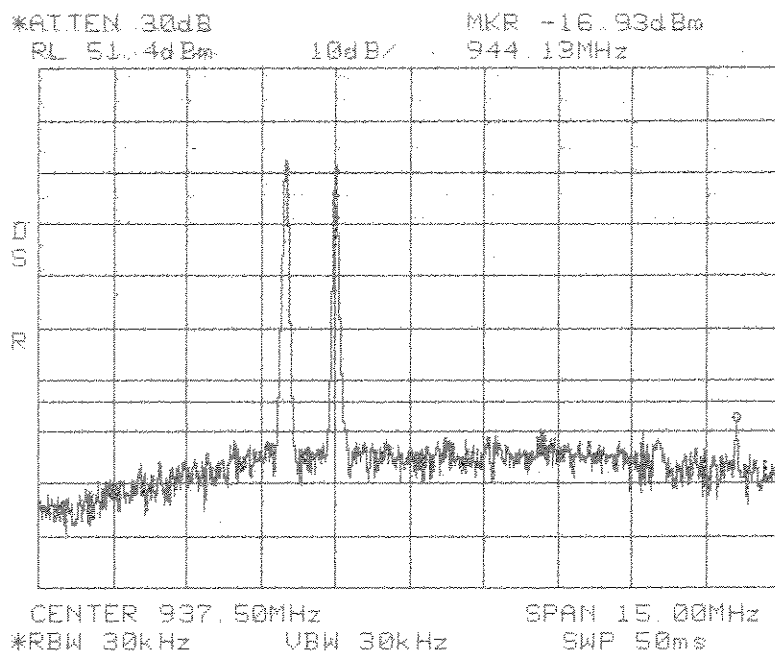
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

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

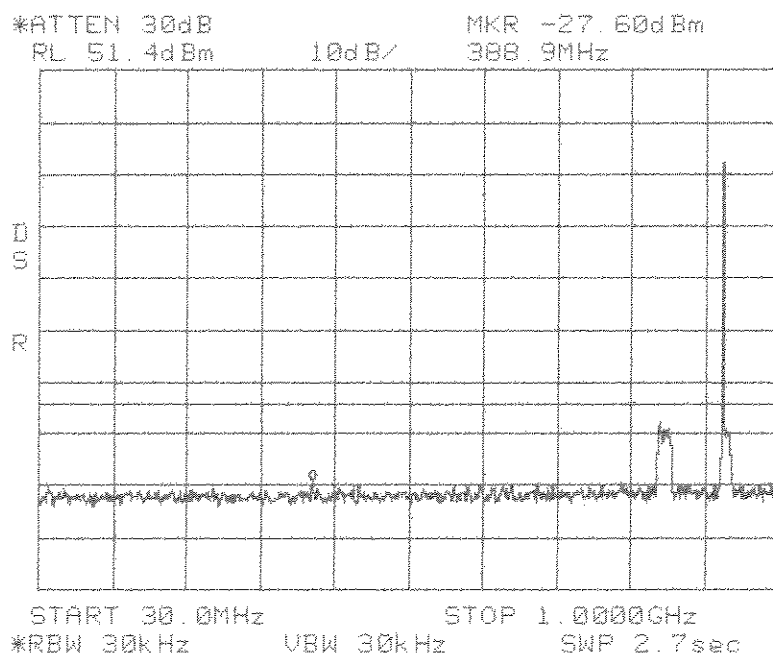


**Intermodulation
Apart
FM
SMR 800 MHz**

Center: 937.5 MHz
Span: 15 MHz
RBW/VBW: 30 kHz



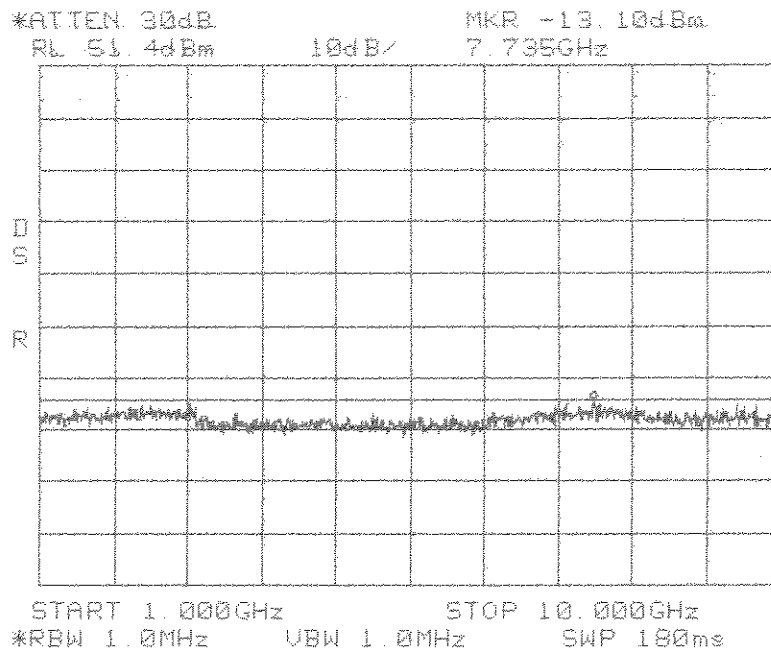
**Intermodulation
Close
Lower
FM
SMR 900 MHz**



**Intermodulation
Close
Lower
FM
SMR 900 MHz**

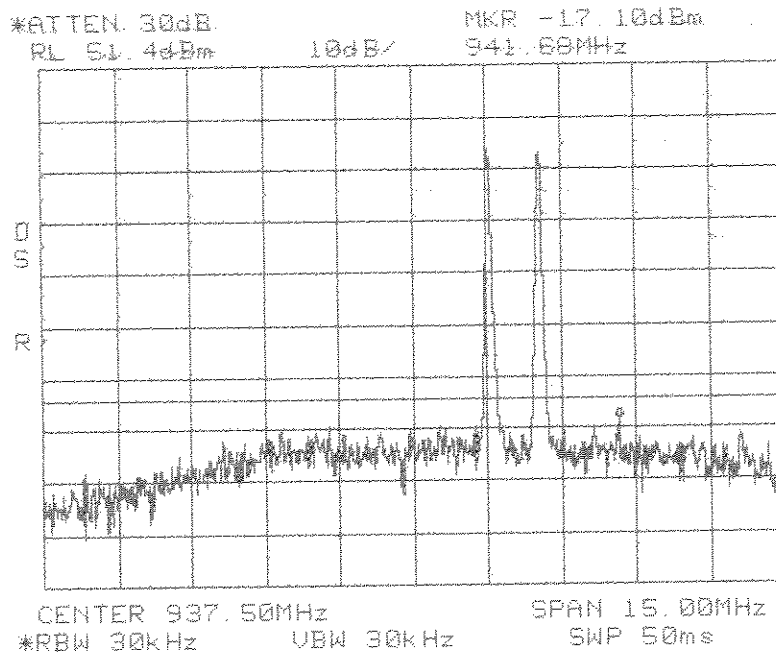
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

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

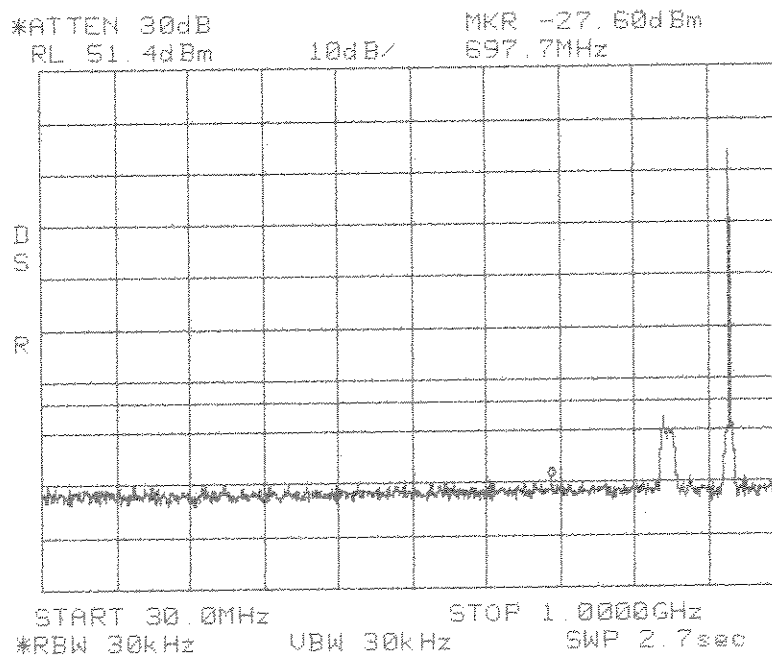


**Intermodulation
Close
Lower
FM
SMR 900 MHz**

Center: 937.5 MHz
Span: 15 MHz
RBW/VBW: 30 kHz



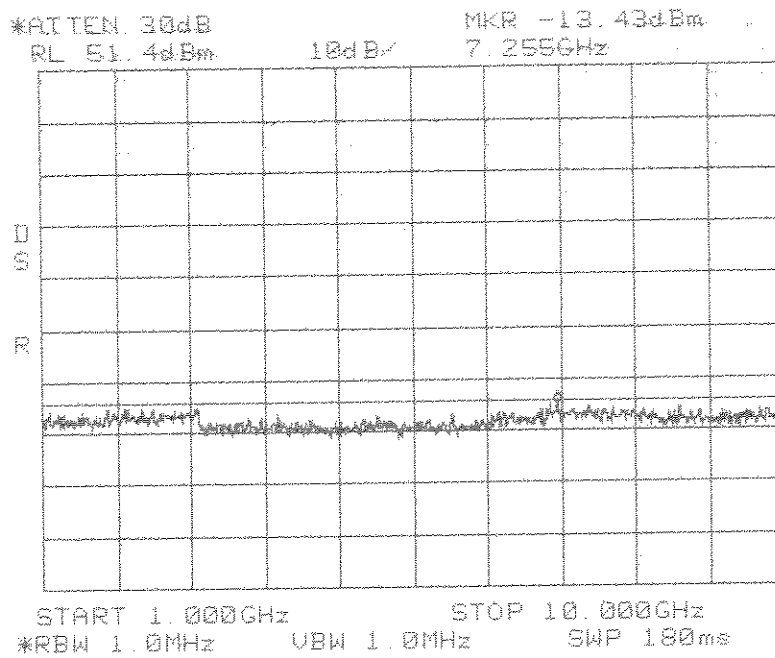
**Intermodulation
Close
Upper
FM
SMR 900 MHz**



**Intermodulation
Close
Upper
FM
SMR 900 MHz**

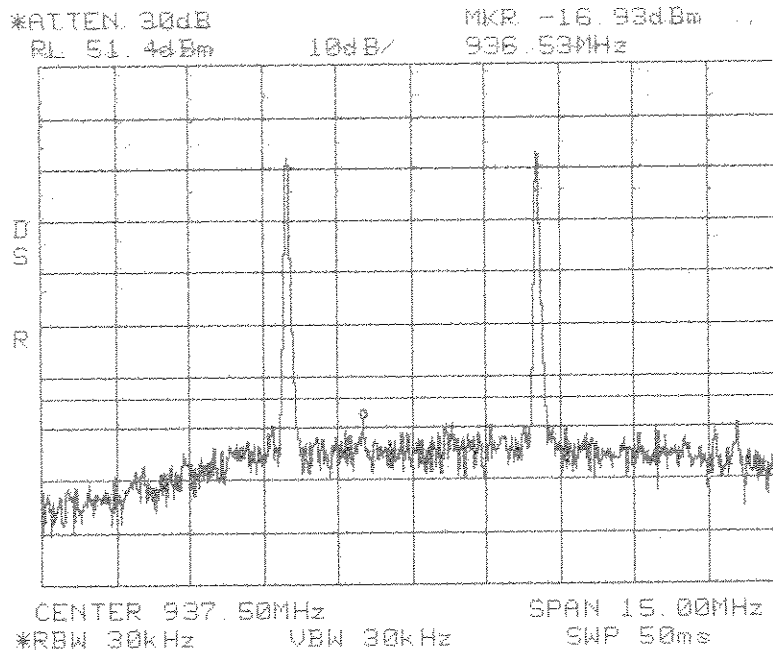
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

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

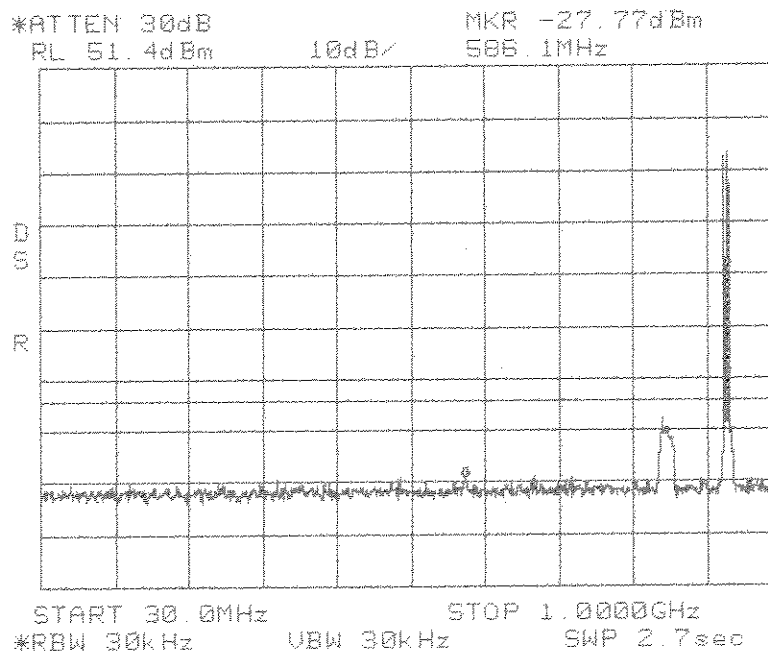


**Intermodulation
Close
Upper
FM
SMR 900 MHz**

Center: 937.5 MHz
Span: 15 MHz
RBW/VBW: 30 kHz



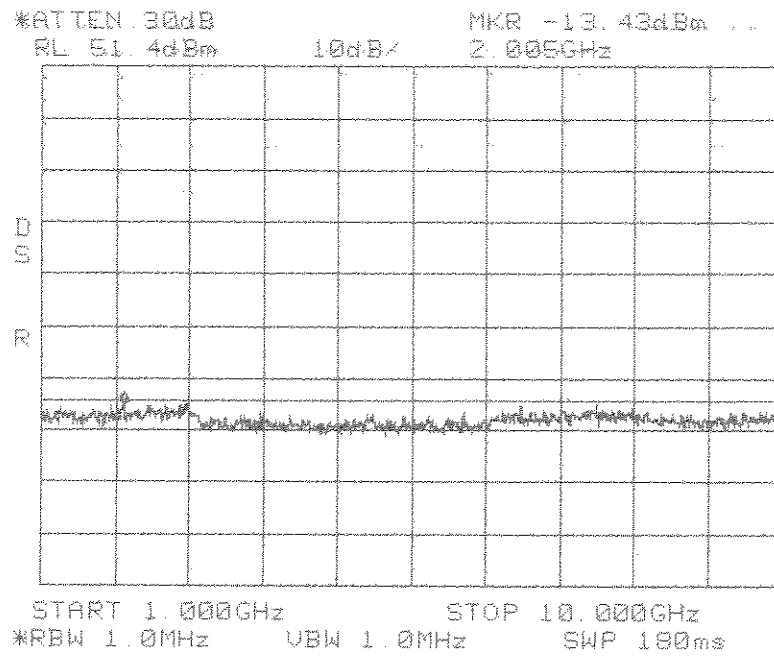
**Intermodulation
Apart
FM
SMR 900 MHz**



**Intermodulation
Apart
FM
SMR 900 MHz**

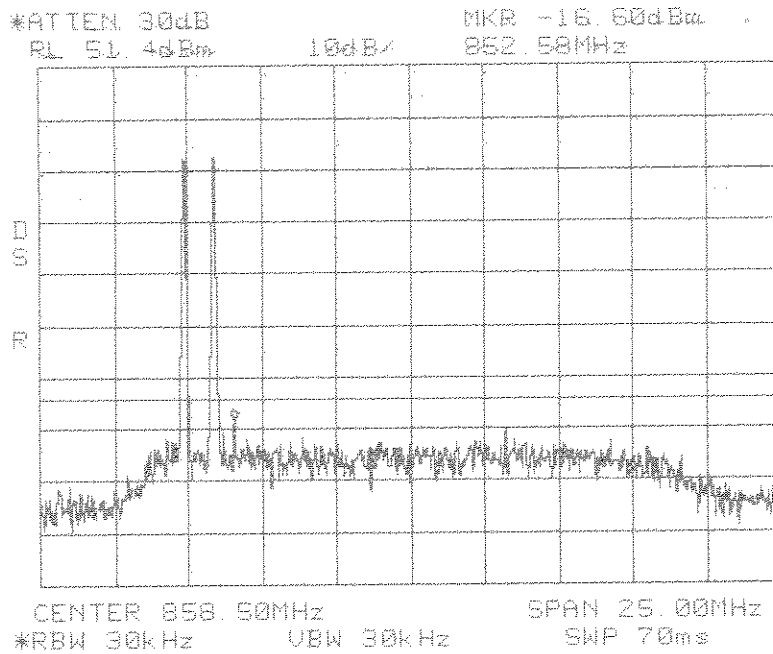
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

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

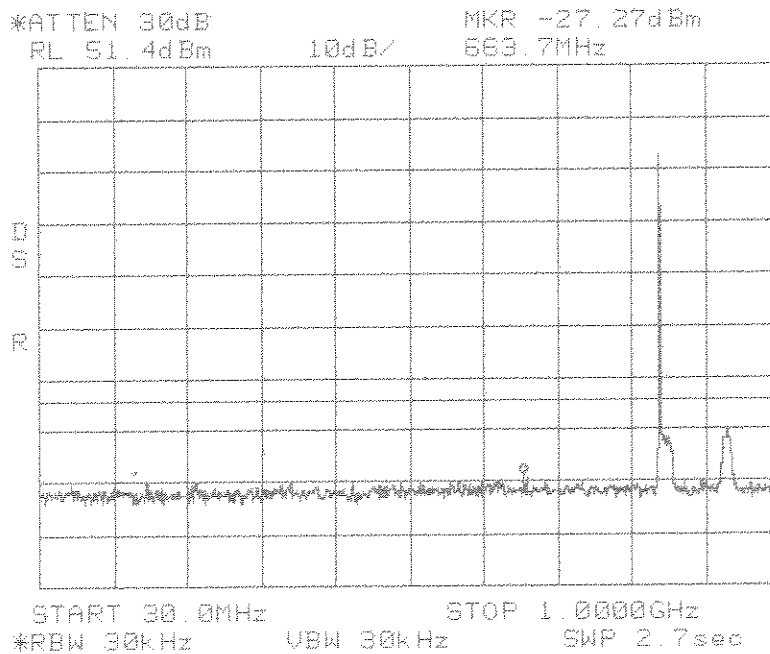


**Intermodulation
Apert
FM
SMR 900 MHz**

Center: 858.5 MHz
Span: 25 MHz
RBW/VBW: 30 kHz



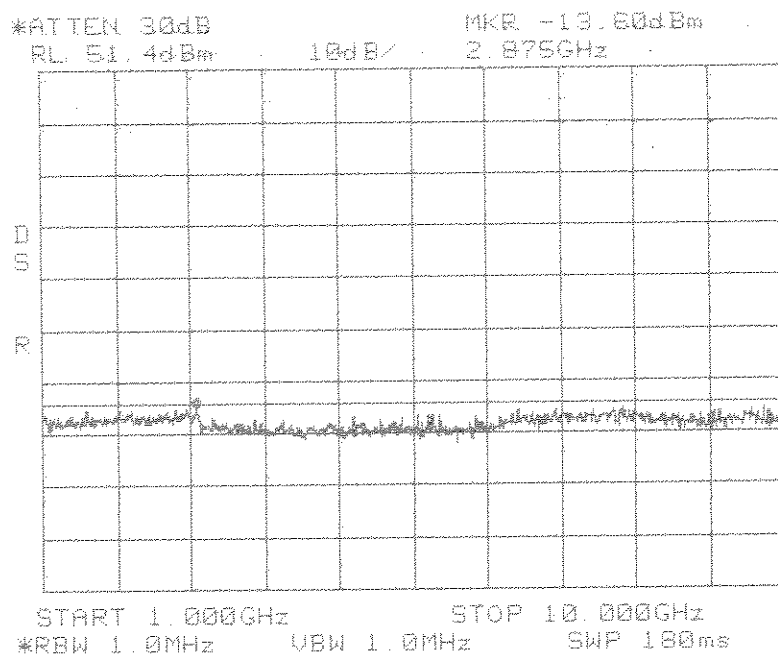
**Intermodulation
Close
Lower
16QAM
SMR 800 MHz**



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

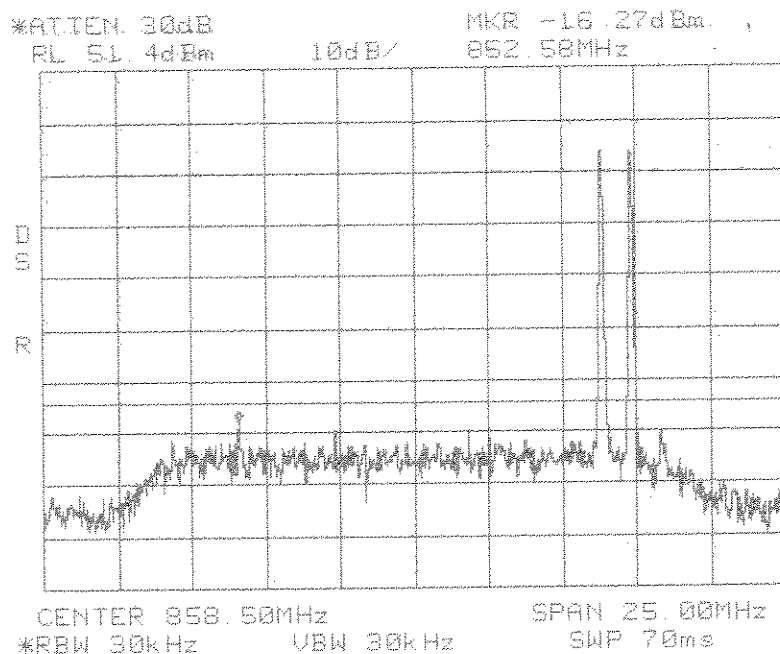
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

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

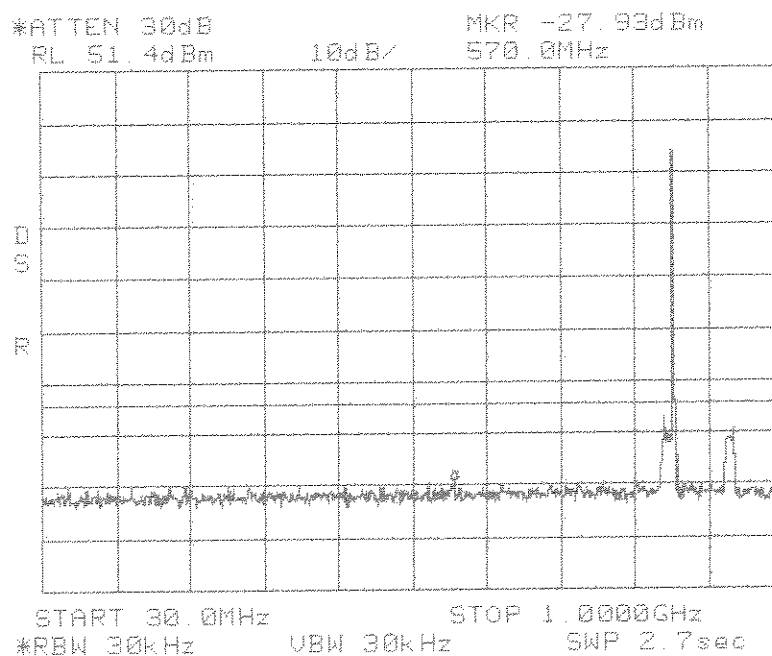


Intermodulation
Close
Lower
16QAM
SMR 800 MHz

Center: 858.5 MHz
Span: 25 MHz
RBW/VBW: 30 kHz



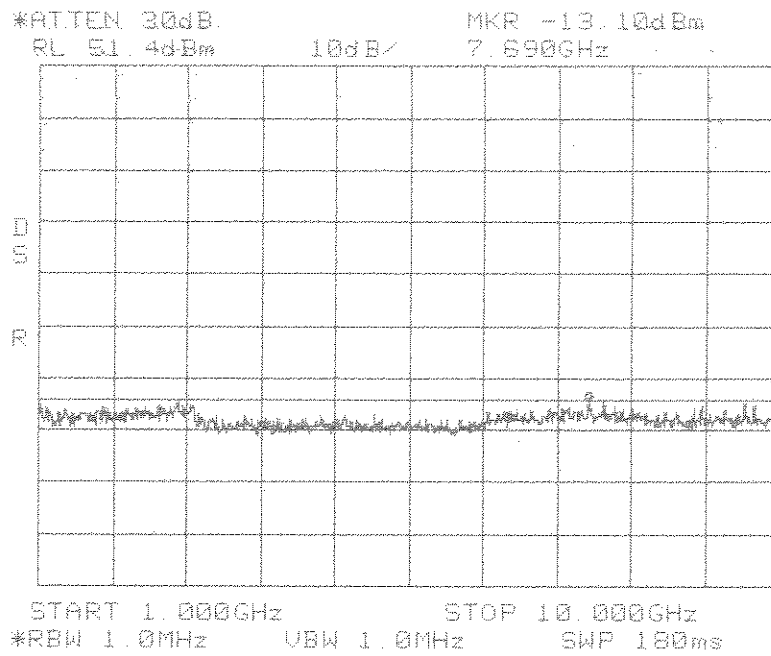
**Intermodulation
Close
Upper
16QAM
SMR 800 MHz**



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

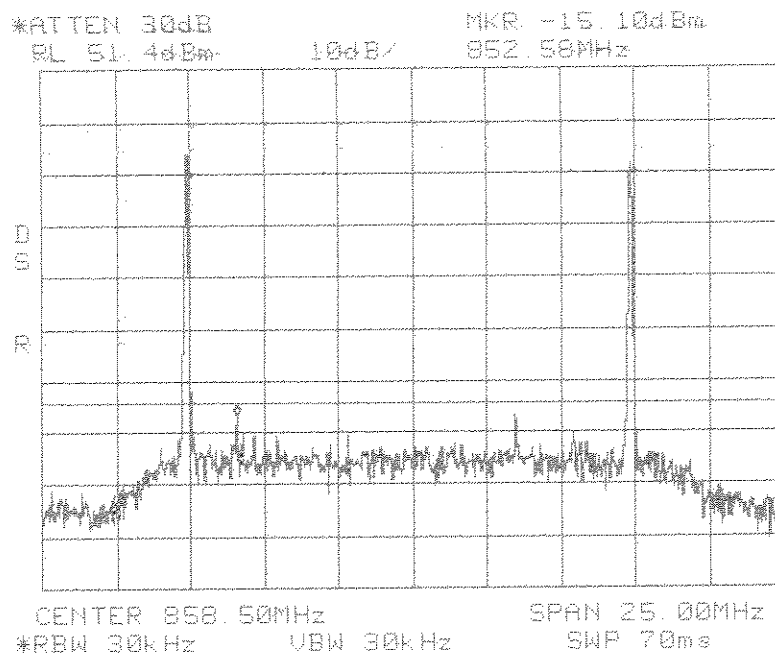
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

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

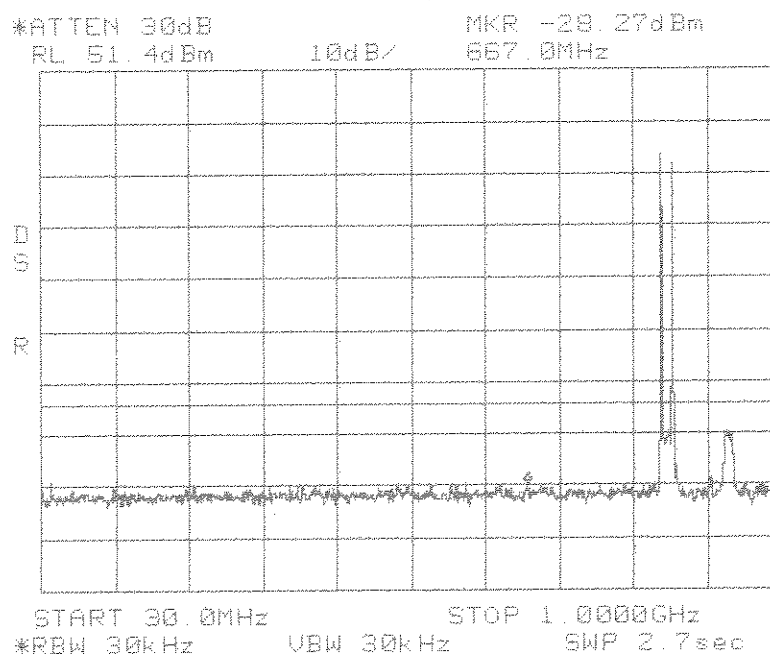


**Intermodulation
Close
Upper
16QAM
SMR 800 MHz**

Center: 858.5 MHz
Span: 25 MHz
RBW/VBW: 30 kHz



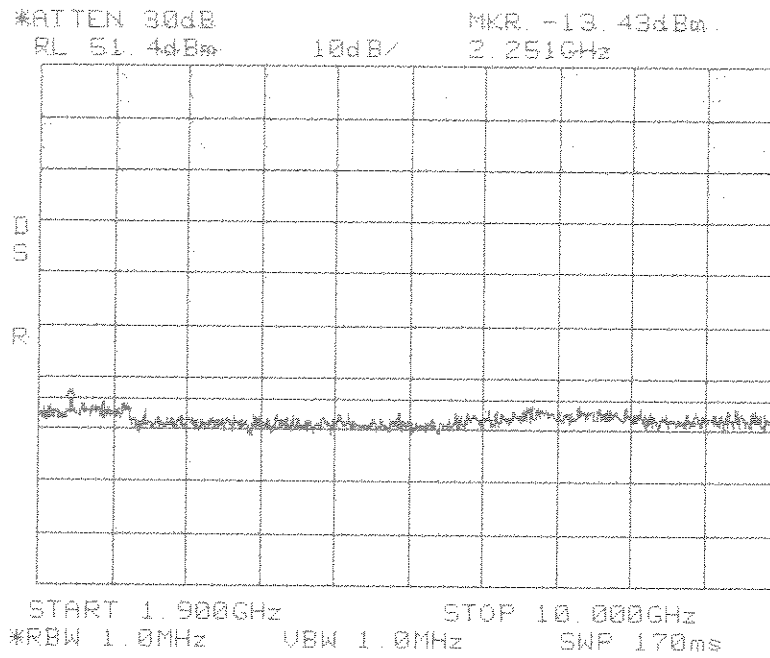
**Intermodulation
Apart
16QAM
SMR 800 MHz**



**Intermodulation
Apart
16QAM
SMR 800 MHz**

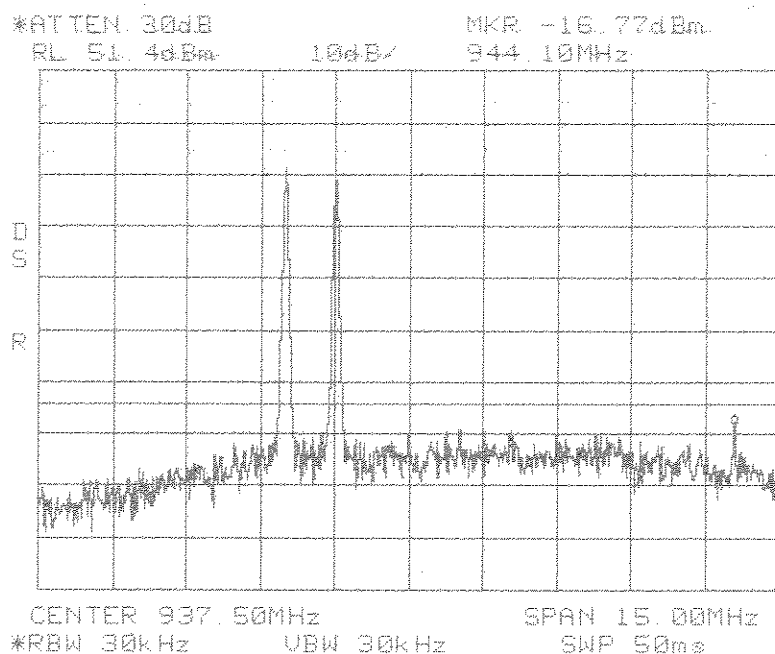
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

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

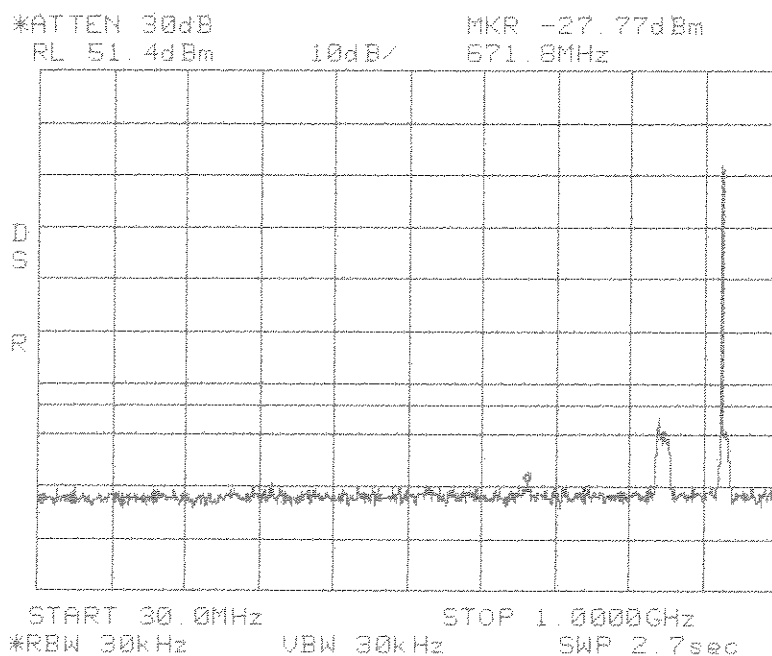


**Intermodulation
Apart
16QAM
SMR 800 MHz**

Center: 937.5 MHz
Span: 15 MHz
RBW/VBW: 30 kHz



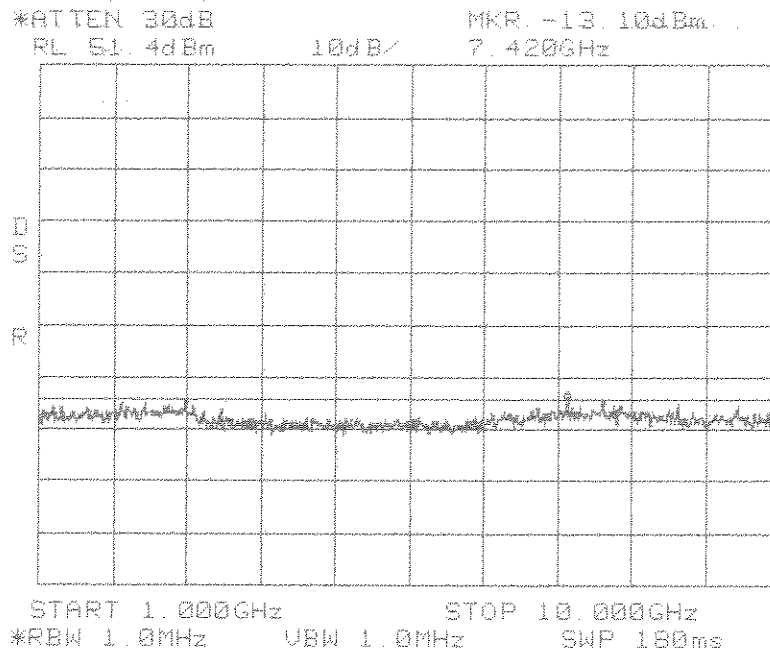
Intermodulation
Close
Lower
16QAM
SMR 900 MHz



Intermodulation
Close
Lower
16QAM
SMR 900 MHz

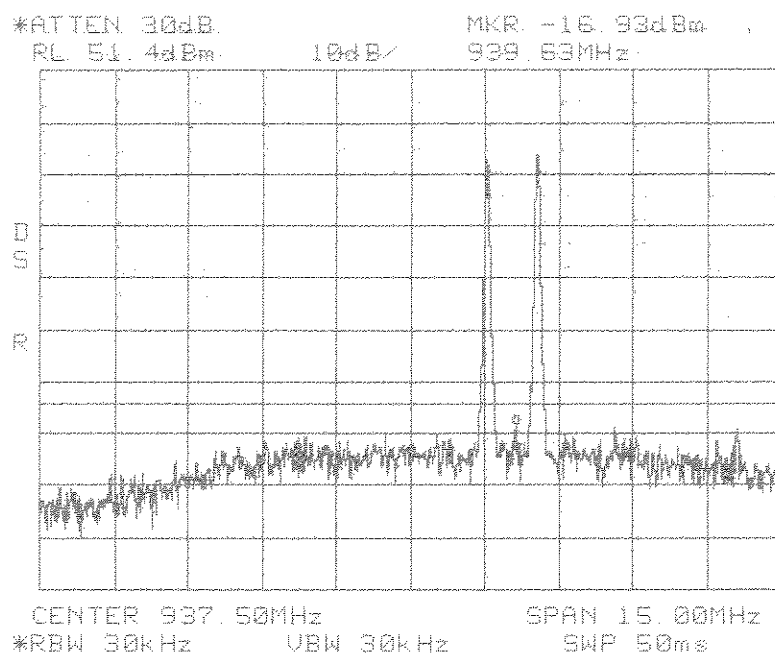
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

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

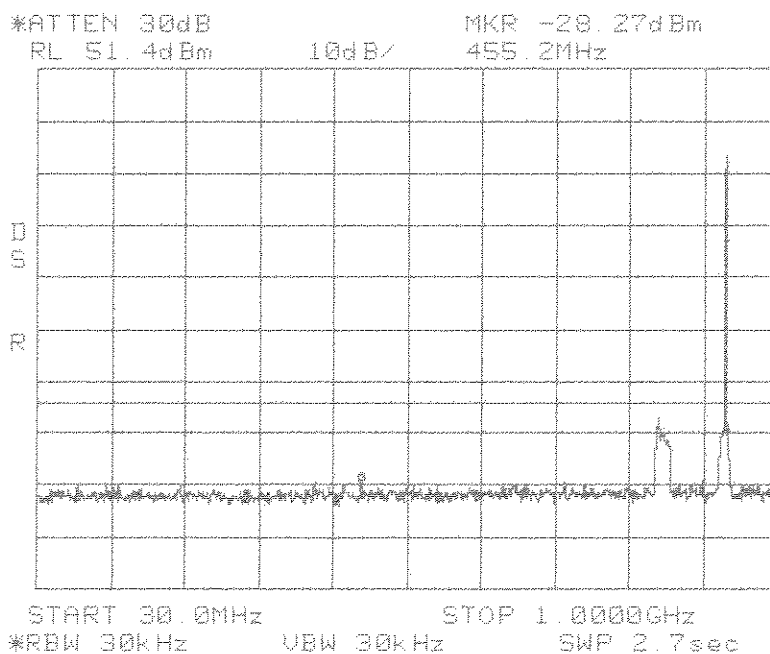


Intermodulation
Close
Lower
16QAM
SMR 900 MHz

Center: 937.5 MHz
Span: 15 MHz
RBW/VBW: 30 kHz



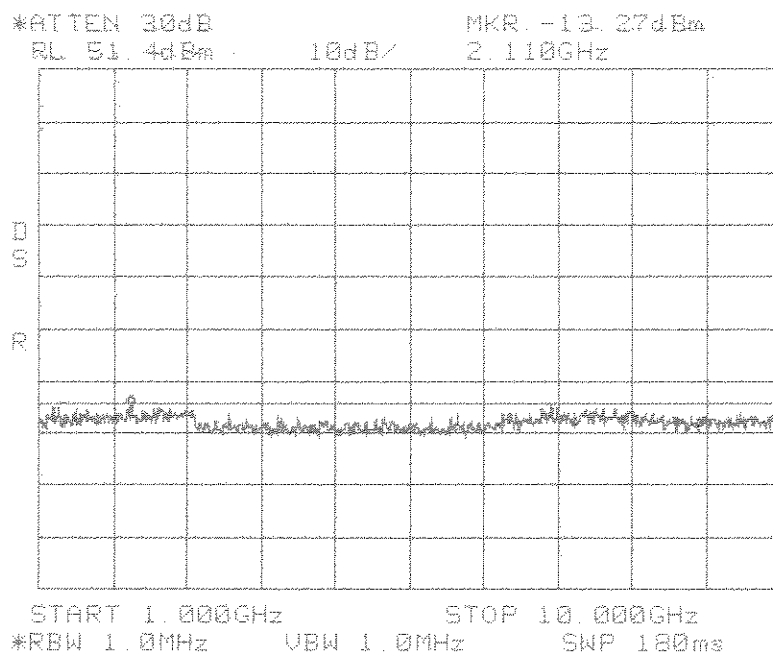
**Intermodulation
Close
Upper
16QAM
SMR 900 MHz**



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

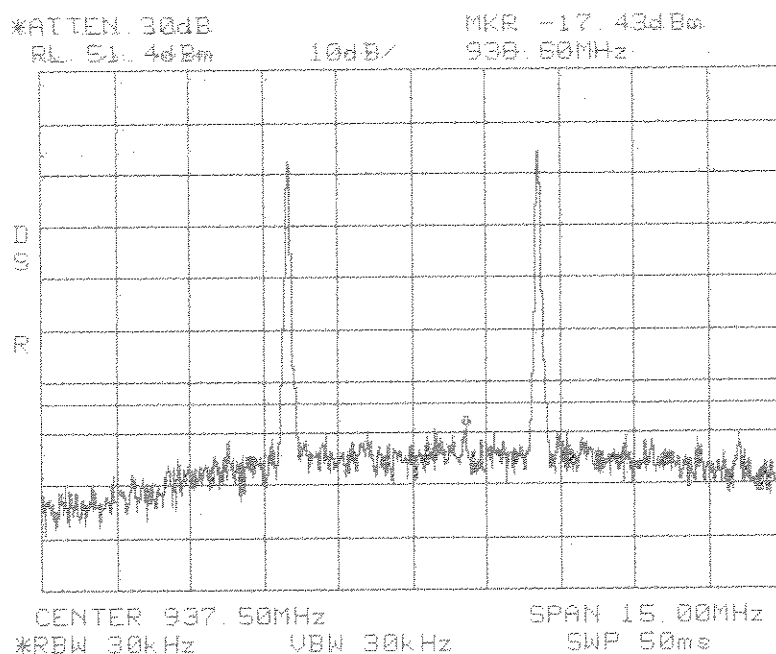
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

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

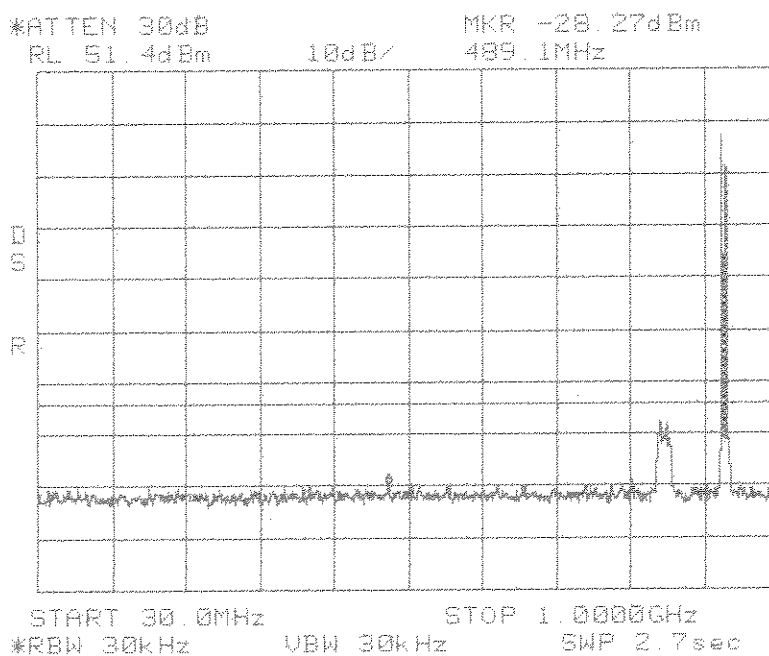


**Intermodulation
Close
Upper
16QAM
SMR 900 MHz**

Center: 937.5 MHz
Span: 15 MHz
RBW/VBW: 30 kHz



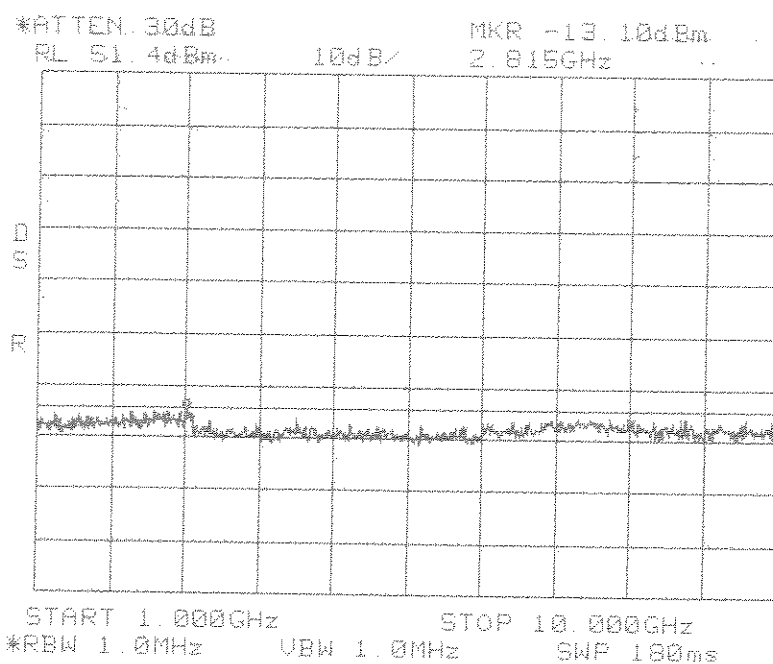
**Intermodulation
Apart
16QAM
SMR 900 MHz**



**Intermodulation
Apart
16QAM
SMR 900 MHz**

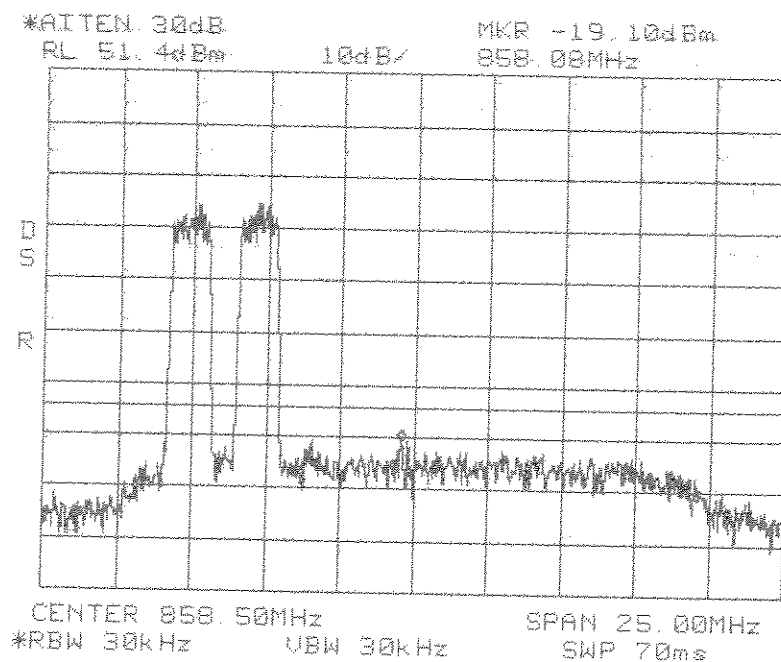
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

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

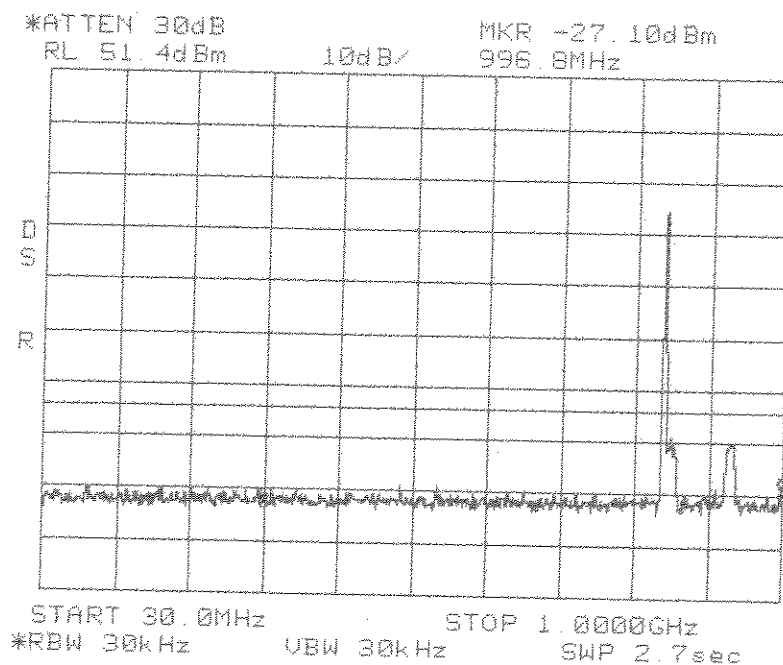


**Intermodulation
Apart
16QAM
SMR 900 MHz**

Center: 858.5 MHz
Span: 25 MHz
RBW/VBW: 30 kHz



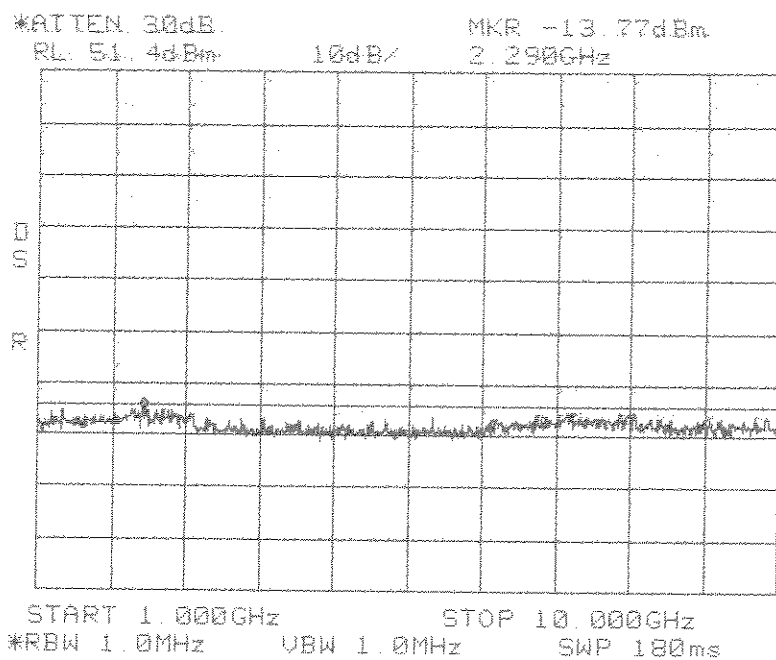
**Intermodulation
Close
Lower
CDMA
SMR 800 MHz**



**Intermodulation
Close
Lower
CDMA
SMR 800 MHz**

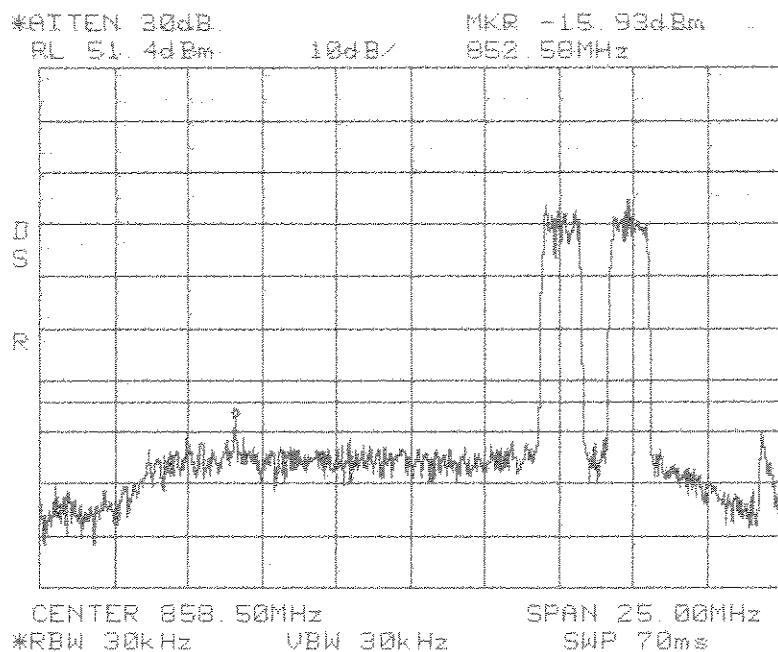
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

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

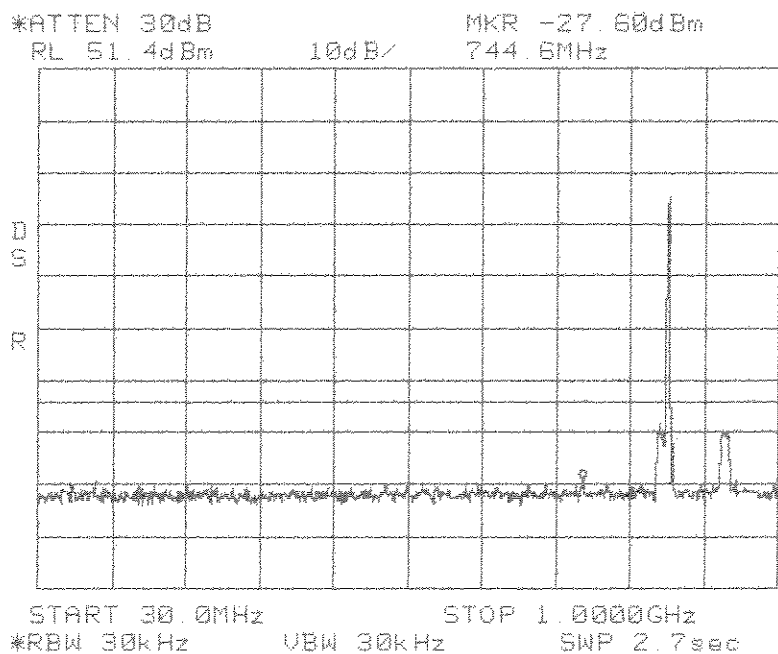


**Intermodulation
Close
Lower
CDMA
SMR 800 MHz**

Center: 858.5 MHz
Span: 25 MHz
RBW/VBW: 30 kHz



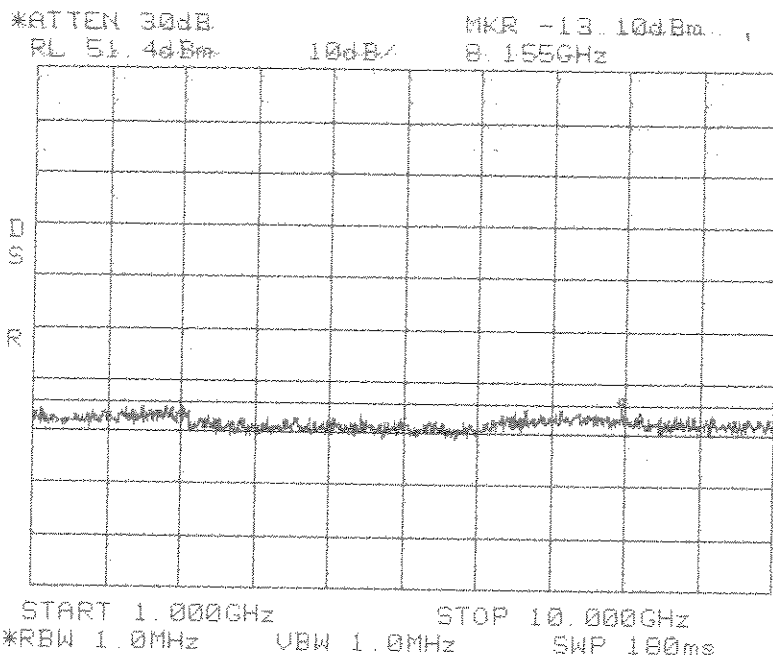
**Intermodulation
Close
Upper
CDMA
SMR 800 MHz**



**Intermodulation
Close
Upper
CDMA
SMR 800 MHz**

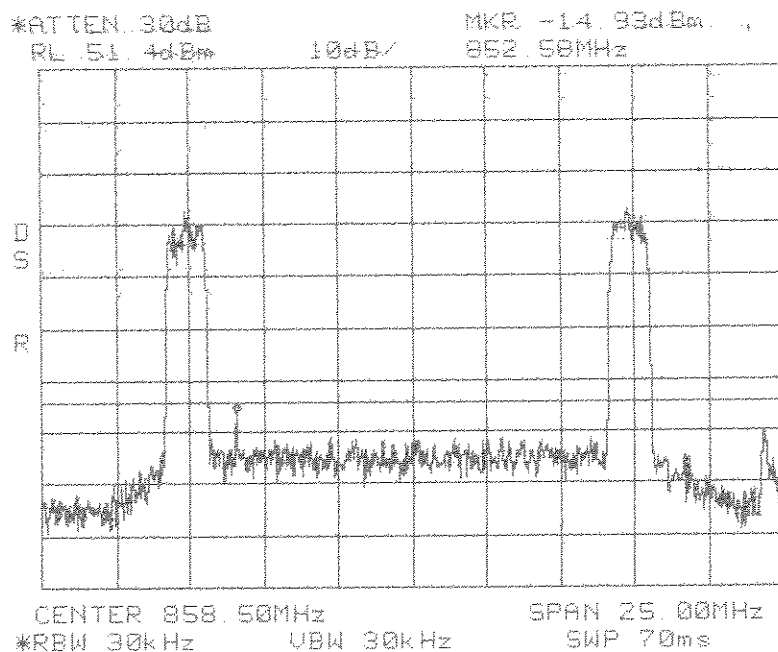
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

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

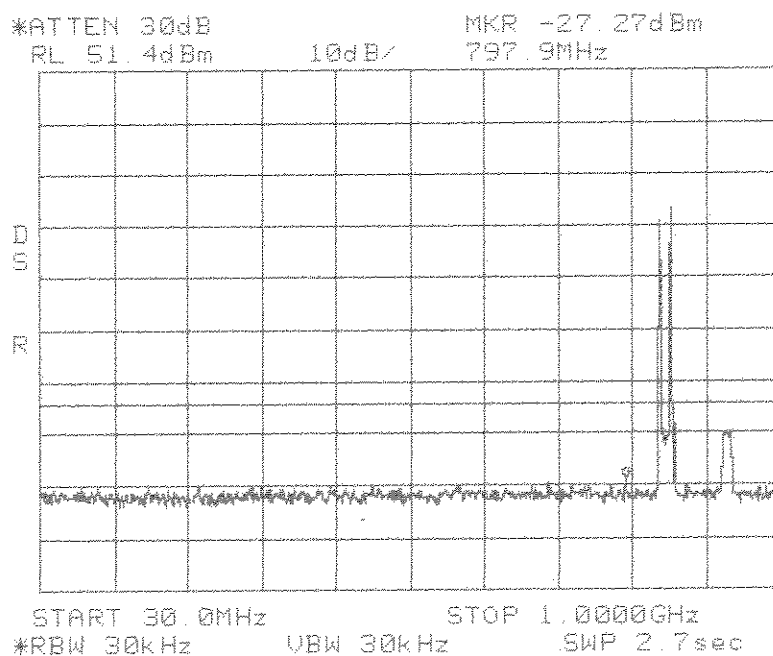


**Intermodulation
Close
Upper
CDMA
SMR 800 MHz**

Center: 858.5 MHz
Span: 25 MHz
RBW/VBW: 30 kHz



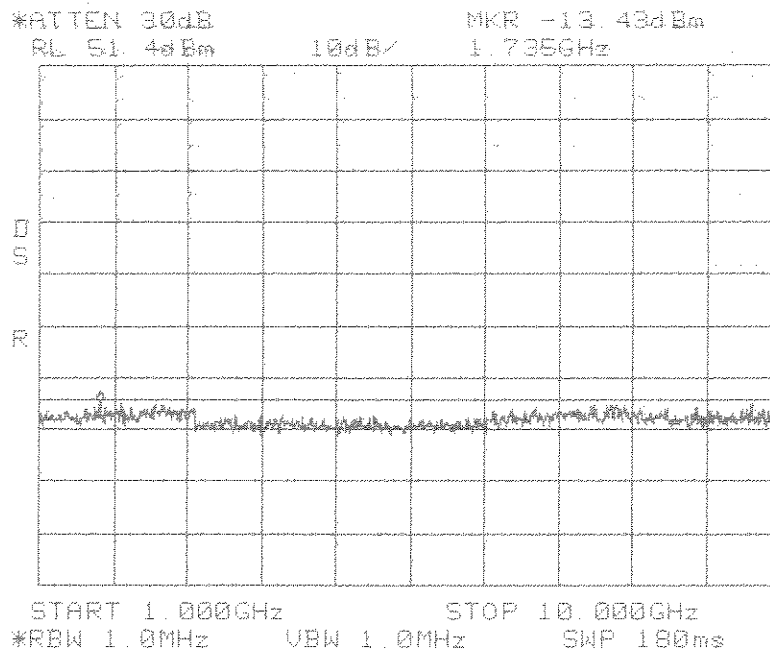
**Intermodulation
Apart
CDMA
SMR 800 MHz**



**Intermodulation
Apart
CDMA
SMR 800 MHz**

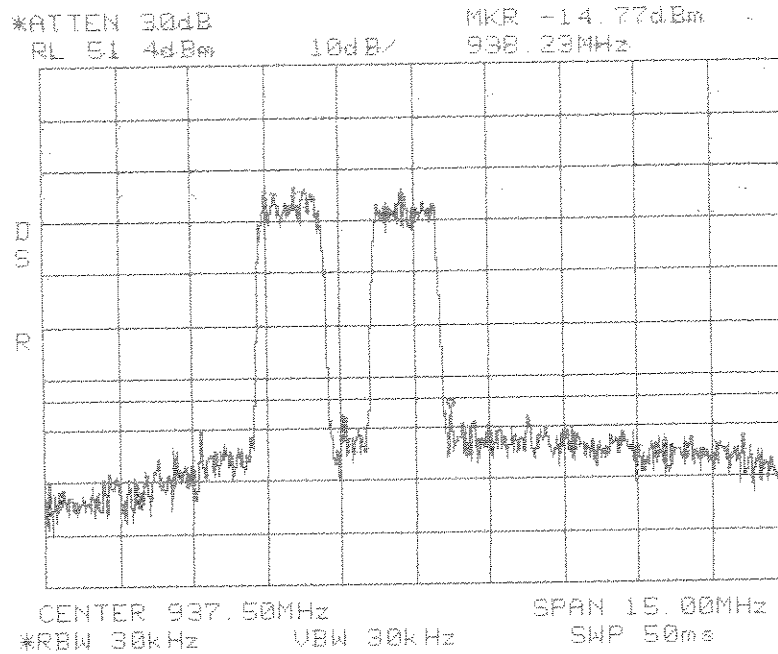
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

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

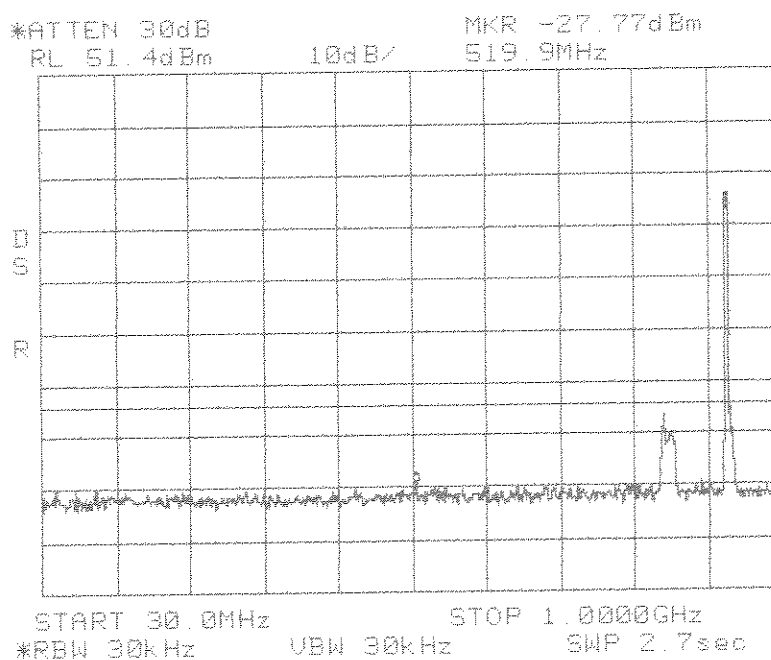


**Intermodulation
Apart
CDMA
SMR 800 MHz**

Center: 937.5 MHz
Span: 15 MHz
RBW/VBW: 30 kHz



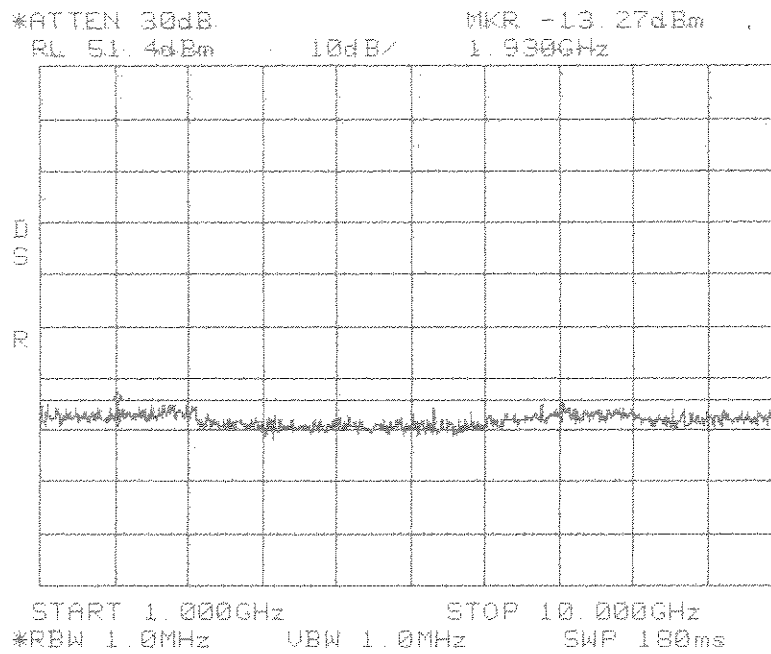
**Intermodulation
Close
Lower
CDMA
SMR 900 MHz**



**Intermodulation
Close
Lower
CDMA
SMR 900 MHz**

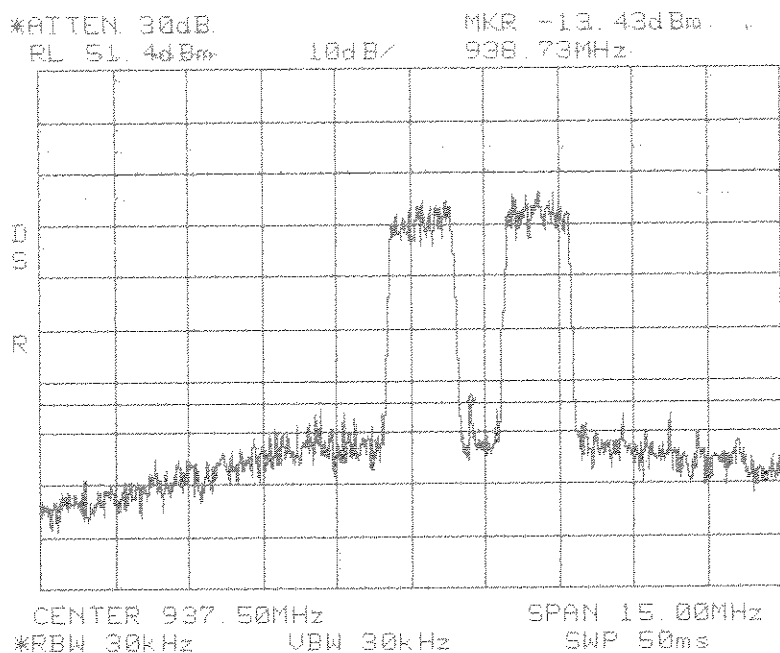
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

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

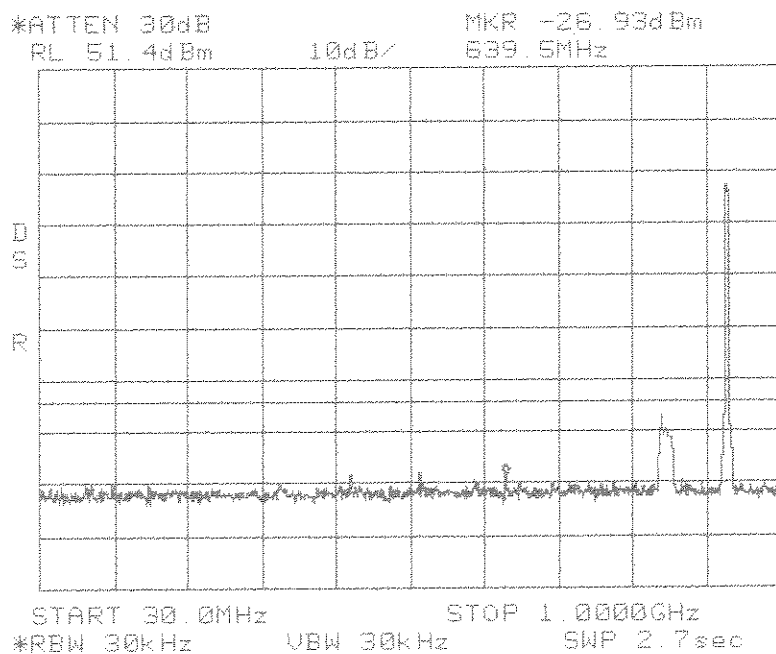


Intermodulation
Close
Lower
CDMA
SMR 900 MHz

Center: 937.5 MHz
Span: 15 MHz
RBW/VBW: 30 kHz



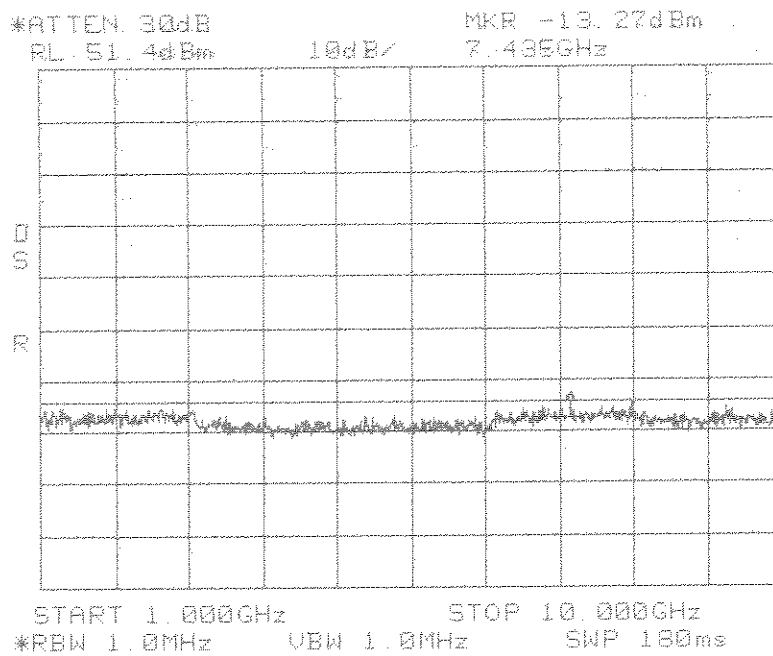
**Intermodulation
Close
Upper
CDMA
SMR 900 MHz**



**Intermodulation
Close
Upper
CDMA
SMR 900 MHz**

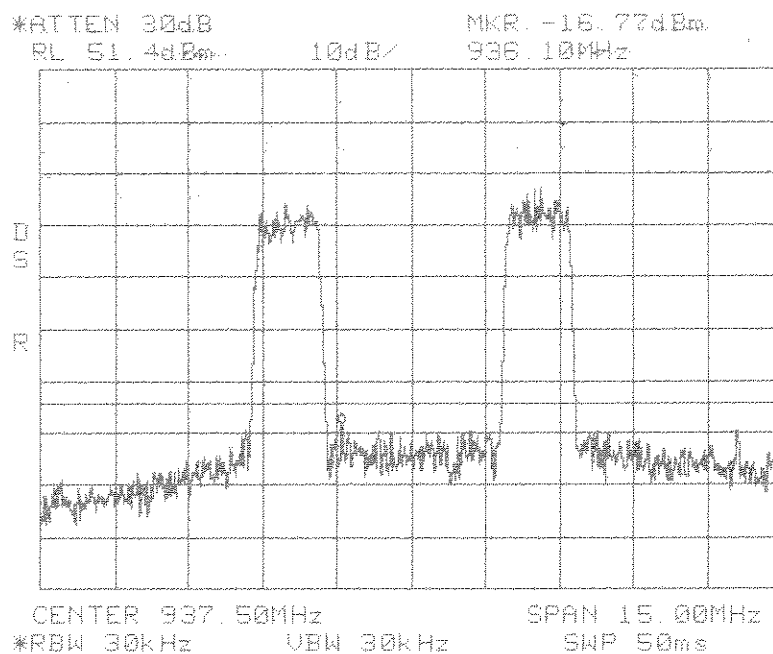
Span: 30 MHz to 1 GHz
RBW/VBW: 30 kHz

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

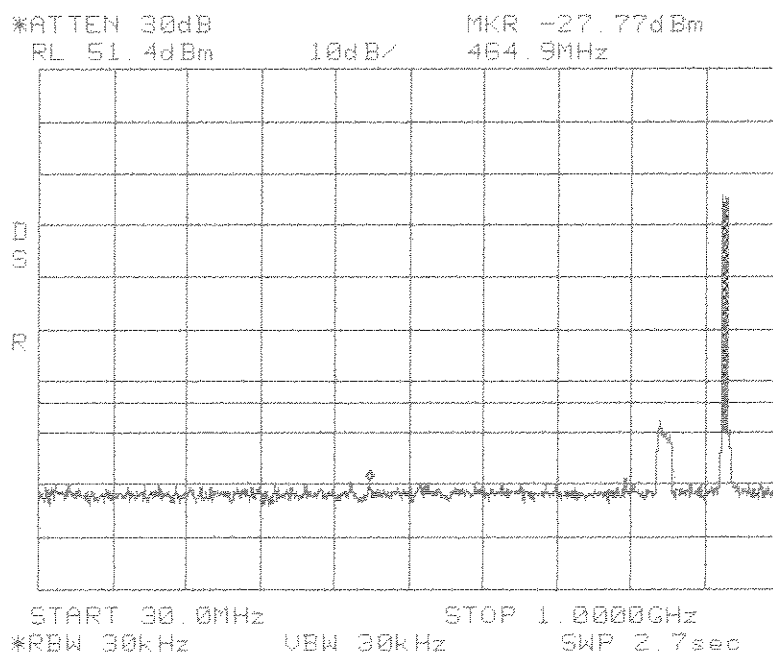


**Intermodulation
Close
Upper
CDMA
SMR 900 MHz**

Center: 937.5 MHz
Span: 15 MHz
RBW/VBW: 30 kHz



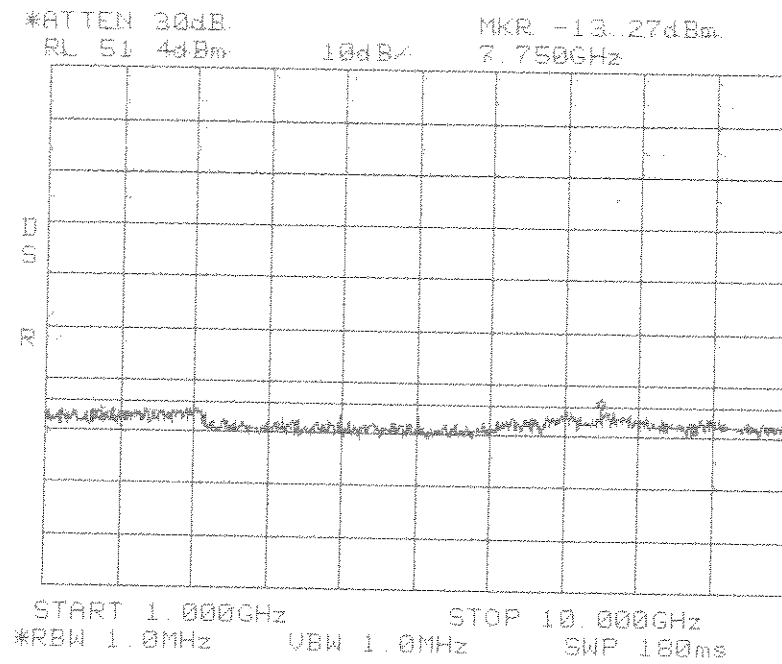
**Intermodulation
Apart
CDMA
SMR 900 MHz**



**Intermodulation
Apart
CDMA
SMR 900 MHz**

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

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



**Intermodulation
Apart
CDMA
SMR 900 MHz**