Software Test 10 for
Digivance 800 MHz 50-Watt SDR System
Model Numbers DGVS-112710SYS and DGVS-122710SYS

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. The Software Test 10 simulates the GSM signal created from a sequence of all ones.
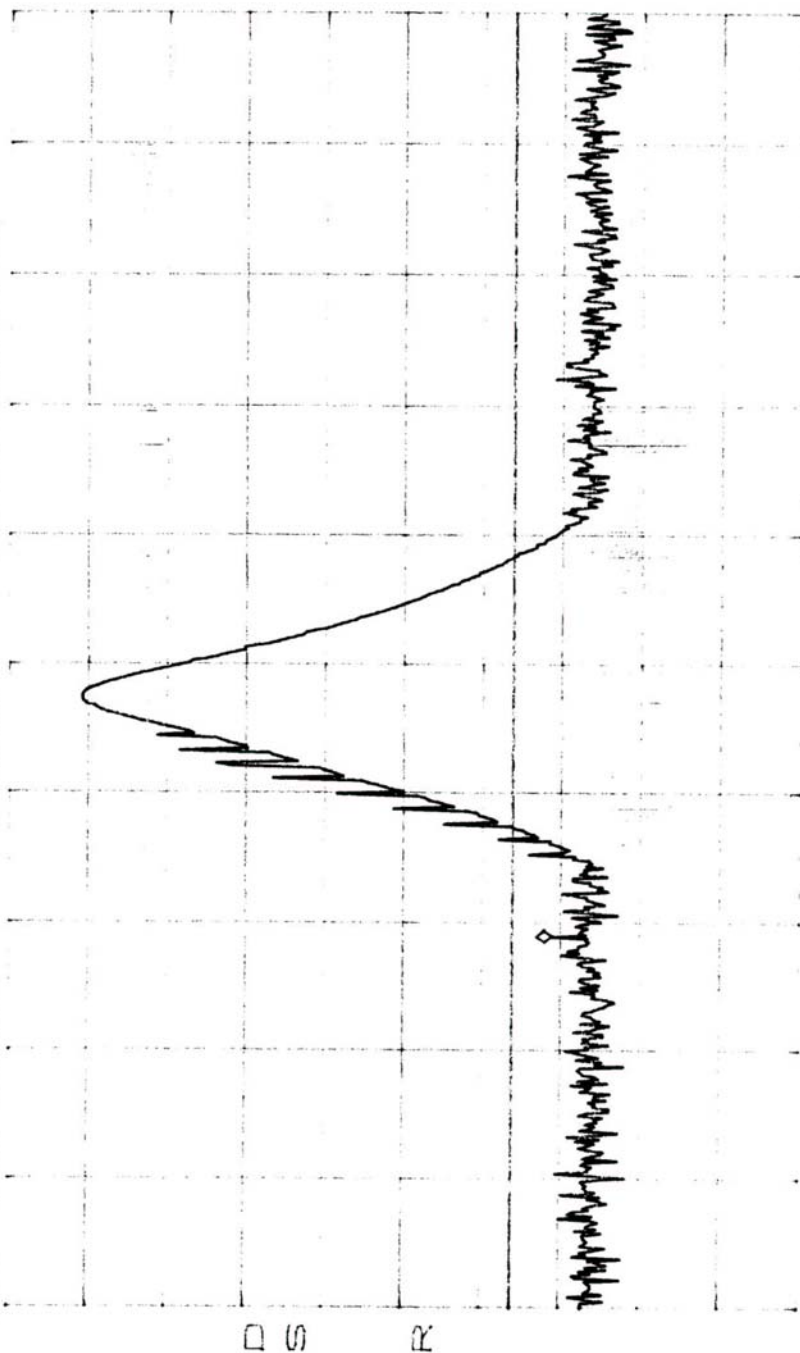
Results:
Pass (see plots)

Software Defined Radio
Software Test 10
A Band - Channel 181

MKR -17.83dBm
878.950MHz

*ATTEN 30dB
RL 51.0dBm

10dB/

CENTER 880.000MHz   SPAN 5.000MHz
*RBW 100kHz   VBW 100kHz   SWP 50ms

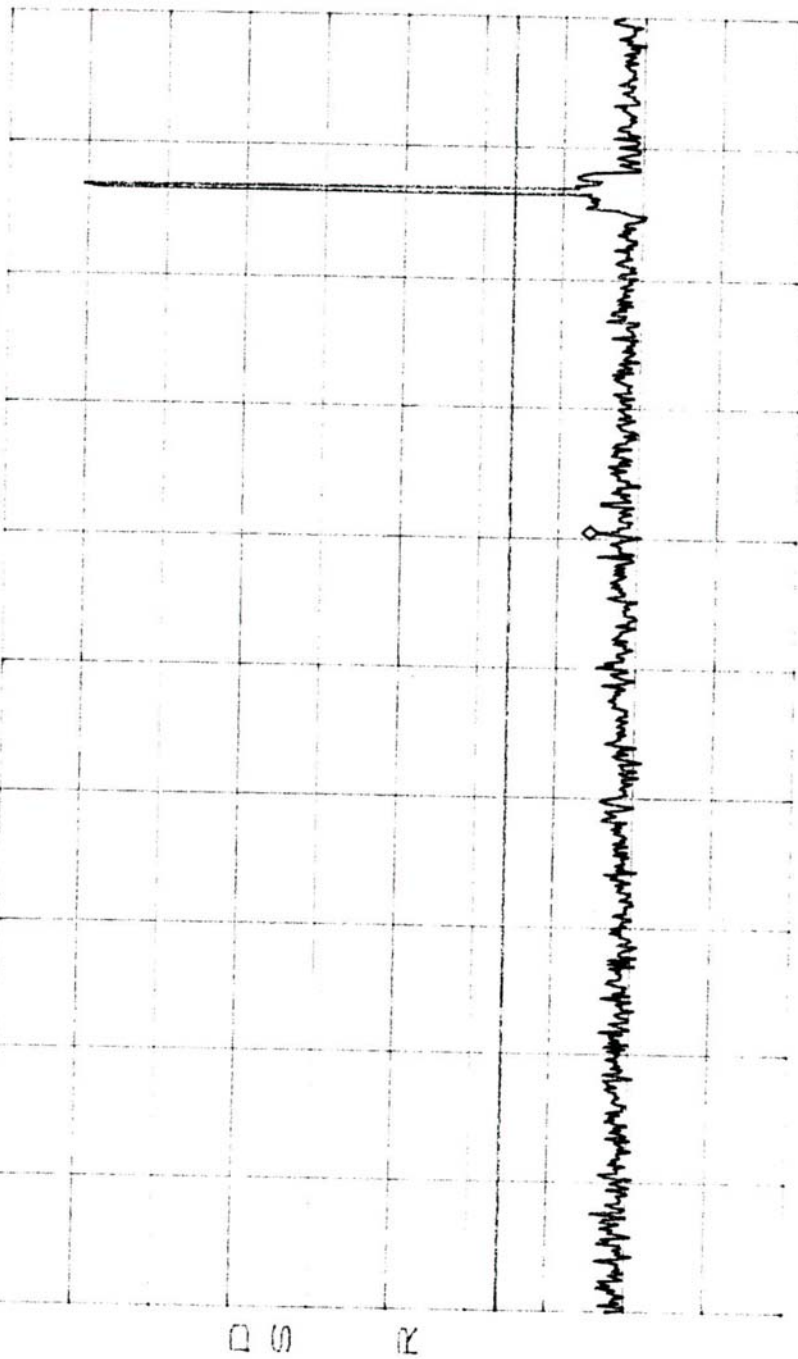**Software Defined Radio**
Software Test 10
A Band - Channel 181

ATTEN 30dB
RL 51.0dBm   10dB/   MKR -24.00dBm
                                   616.9MHz

START 30.0MHz   STOP 1.0000GHz
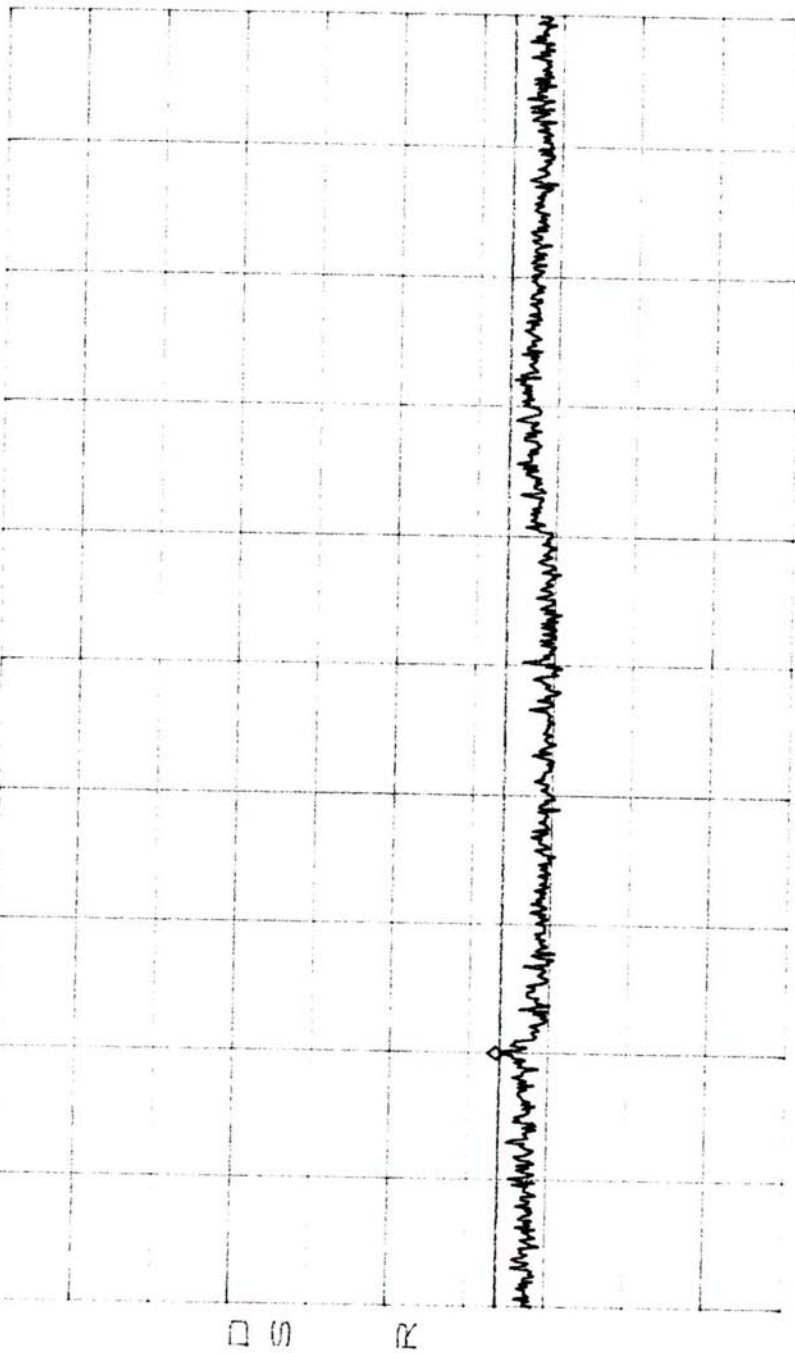RBW 100kHz   VBW 100kHz   SWP 250ms

Software Defined Radio
Software Test 10
A Band - Channel 181

*ATTEN 30dB
RL 51.0dBm
10dB/
MKR −13.33dBm
2.800GHz

D S R

START 1.000GHz
*RBW 1.0MHz
VBW 1.0MHz
STOP 10.000GHz
SWP 160ms

Software Defined Radio
Software Test 10
B Band - Channel 217

MKR -18.17dBm
888.650MHz

10dB/

*ATTEN 30dB
RL 51.0dBm

D S R
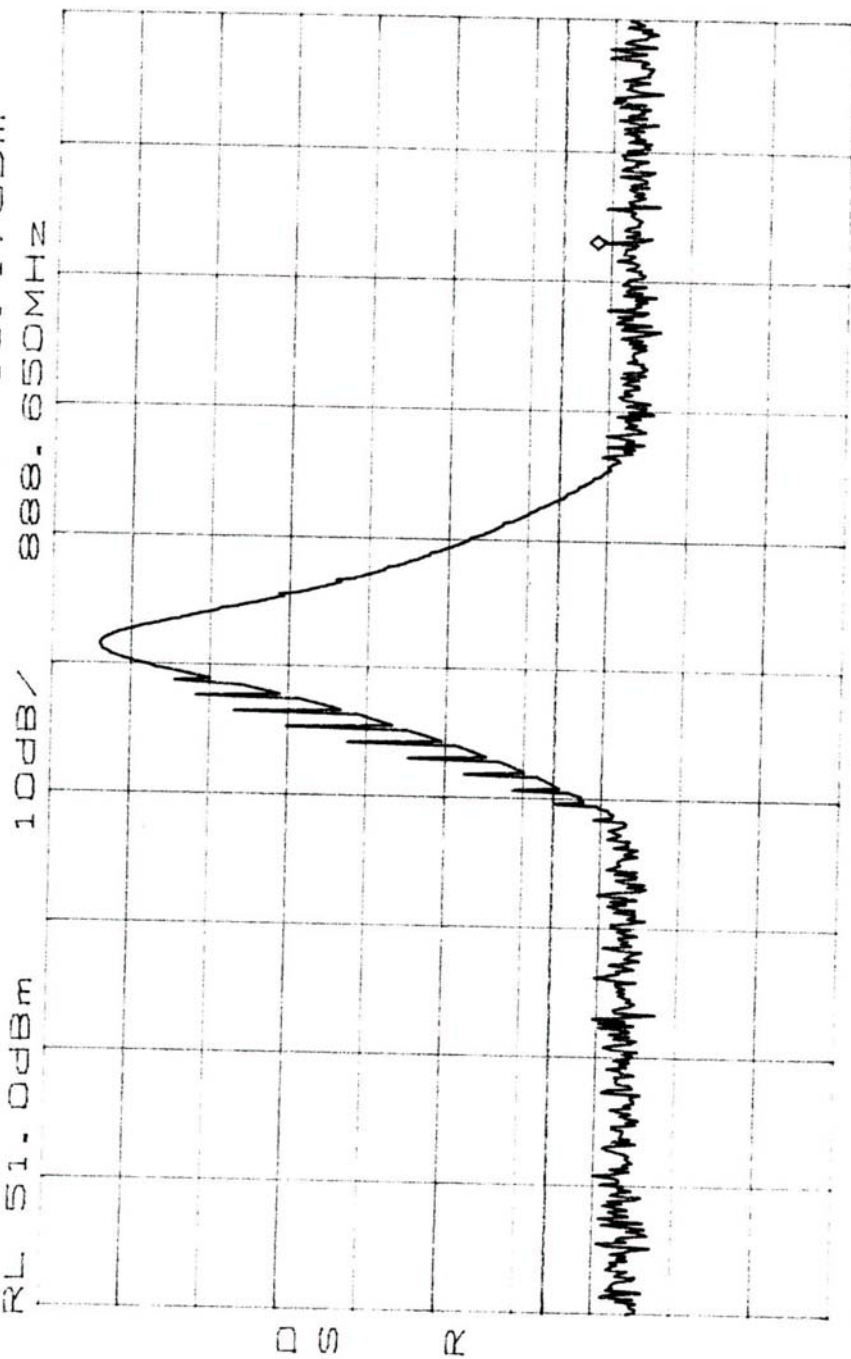
CENTER 887.000MHz   SPAN 5.000MHz
*RBW 100kHz   VBW 100kHz   SWP 50ms

Software Defined Radio
Software Test 10
B Band - Channel 217

MKR -22.50dBm
403.5MHz

10dB/
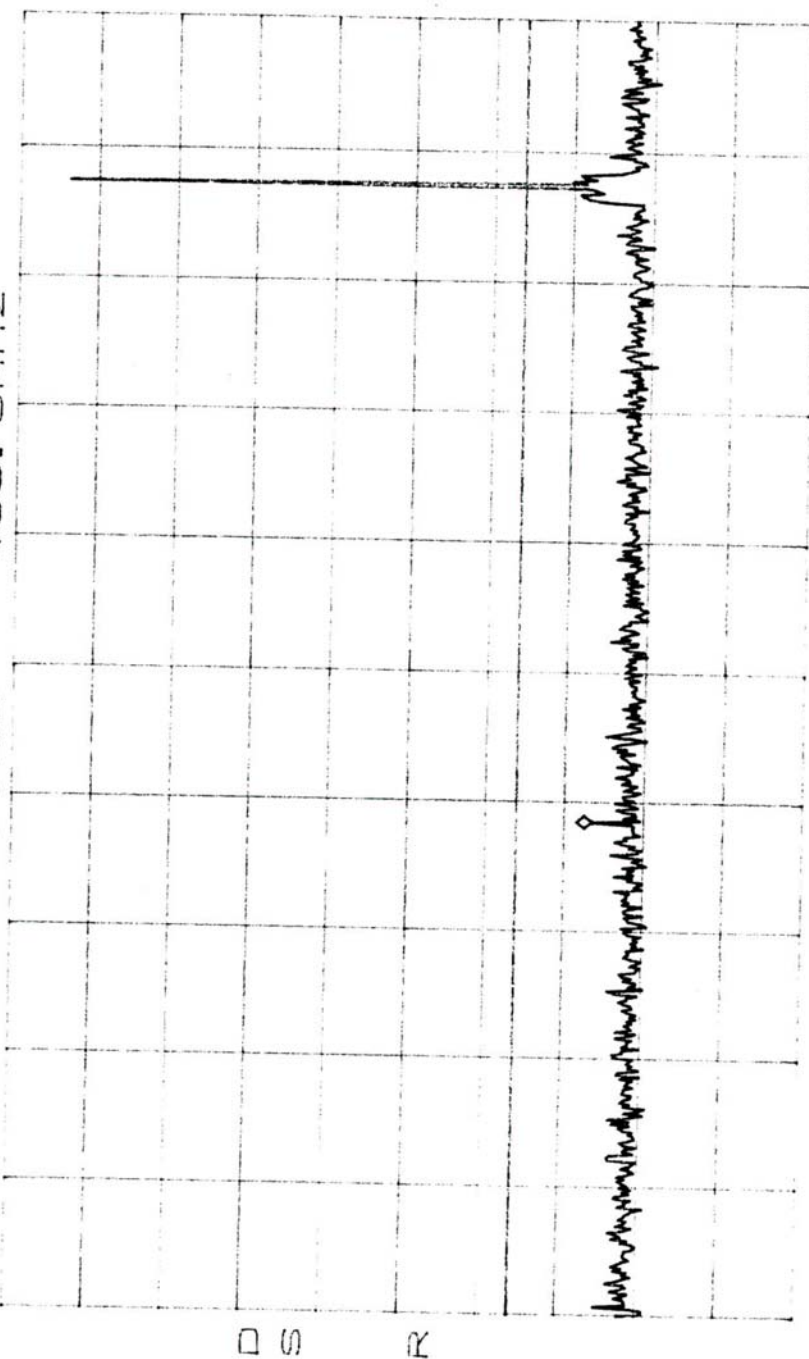
*ATTEN 30dB
RL 51.0dBm

START 30.0MHz   STOP 1.0000GHz
*RBW 100kHz   VBW 100kHz   SWP 250ms

Software Defined Radio
Software Test 10
B Band - Channel 217

MKR -13. 33dBm
6. 955GHz

ATTEN 30dB
RL 51. 0dBm   10dB/
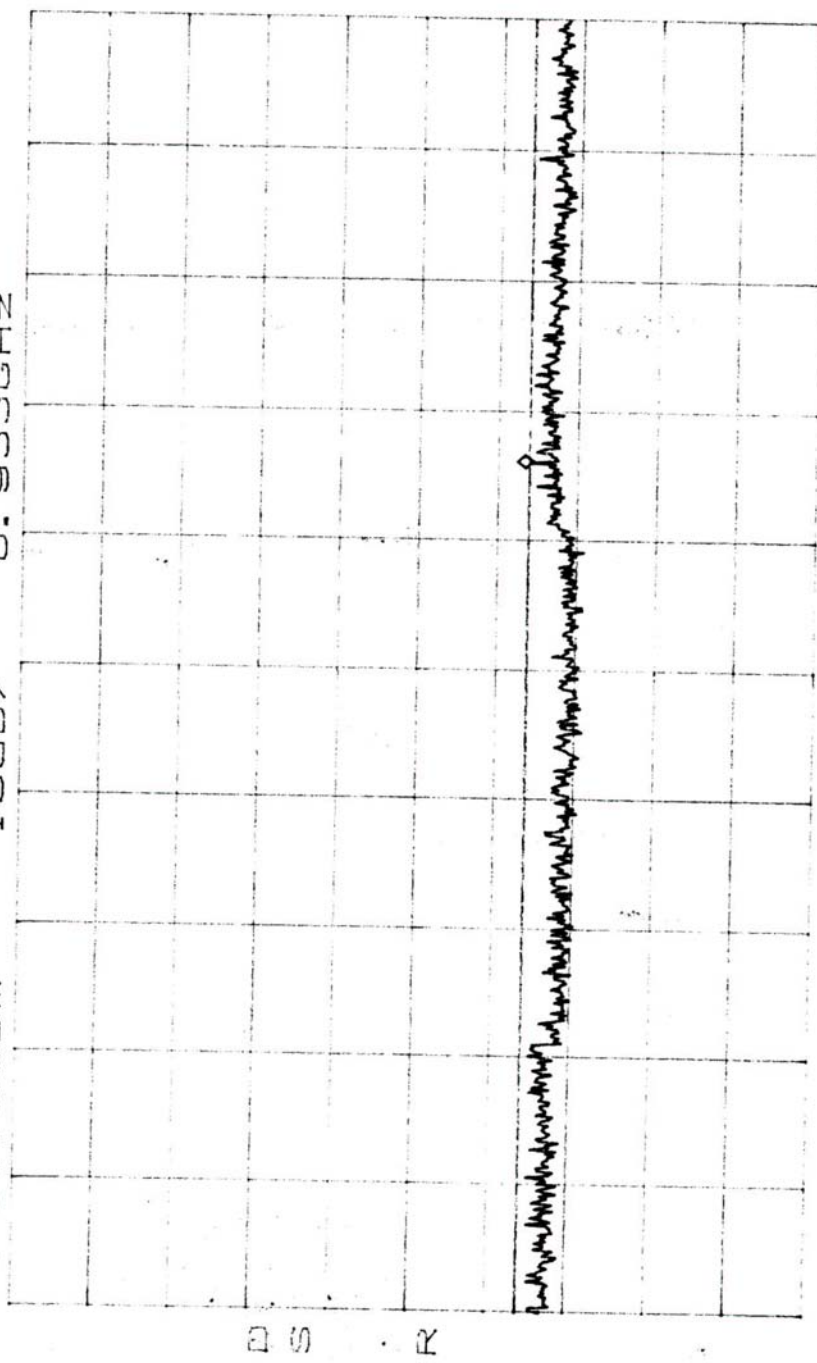
START 1. 000GHz   STOP 10. 000GHz
RBW 1. 0MHZ   VBW 1. 0MHZ   SWP 180ms