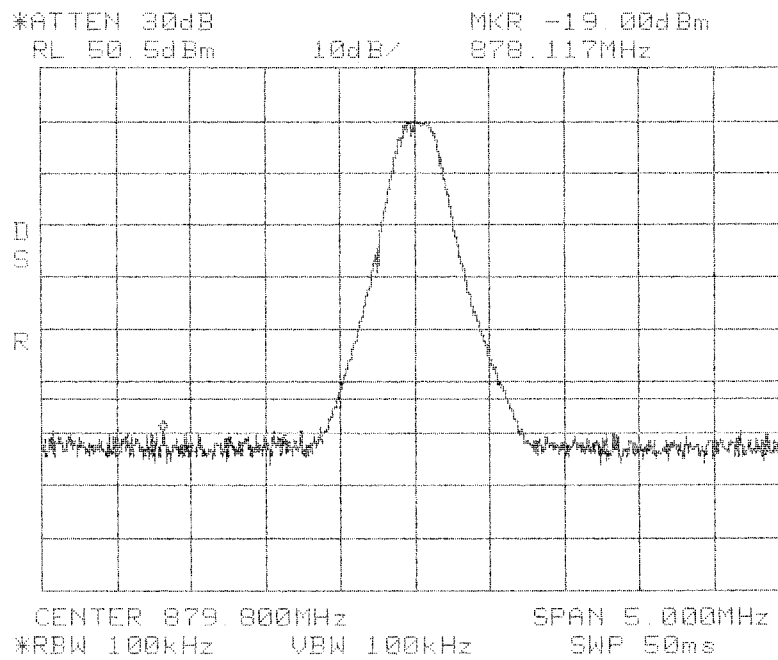# Software Test 2 for ADC Inc.
Digivance 800 MHz 50-Watt SDR System
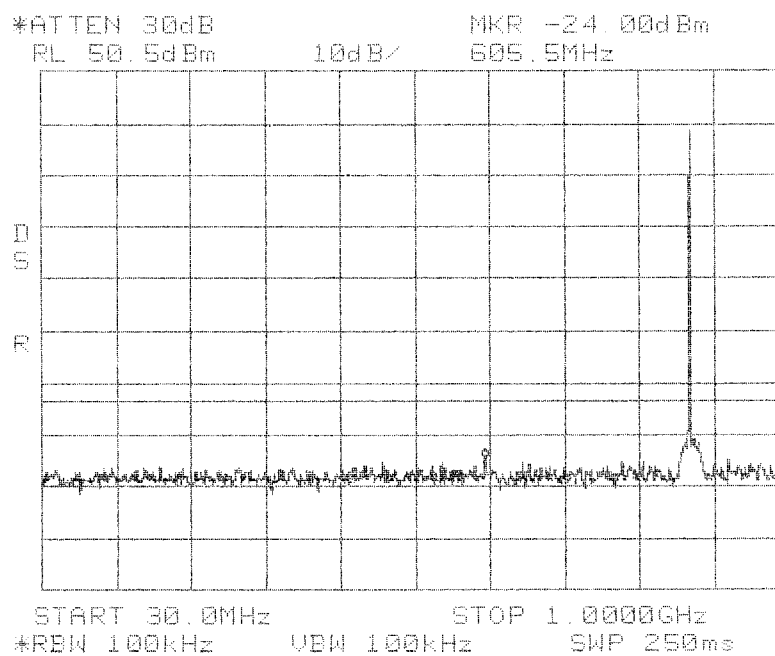# Model Numbers DGVS-112710SYS and DGVS-122710SYS

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 2 will simply suspend the GSM signal program for seconds at a time every couple of seconds.   This should be equivalent to the behavior of the base station if there is a software failure.
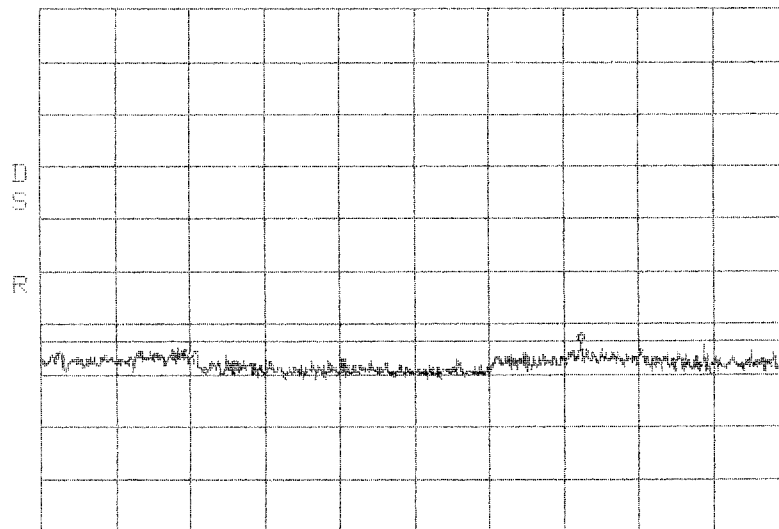
Results:
Pass (see plots)

**Software Defined Radio
Software Test 2
A Band**

Channel 181

**Software Defined Radio
Software Test 2
A Band**

Channel 181

```
*ATTEN 30dB              MKR -13.33dBm
 RL 50.5dBm      10dB/     7.510GHz
```
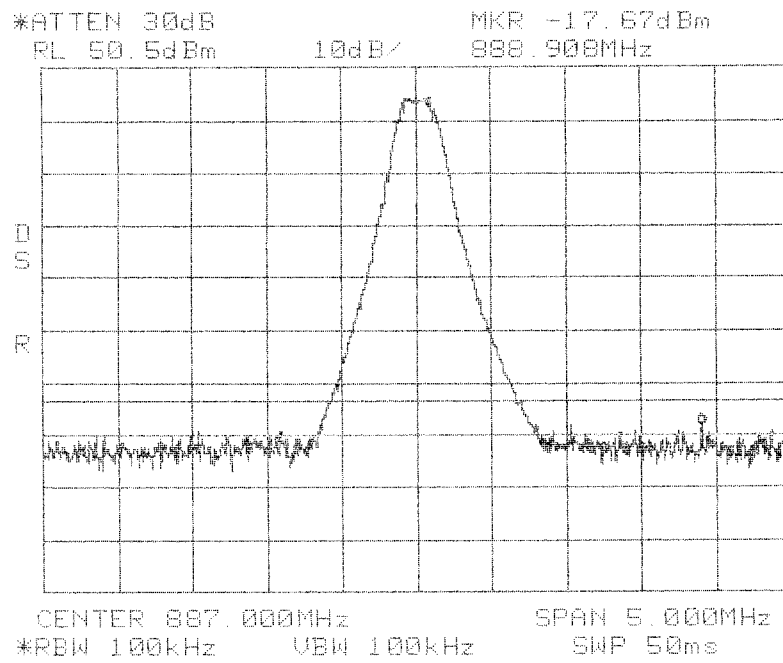
```
START 1.000GHz              STOP 10.000GHz
*RBW 1.0MHz      VBW 1.0MHz      SWP 180ms
```
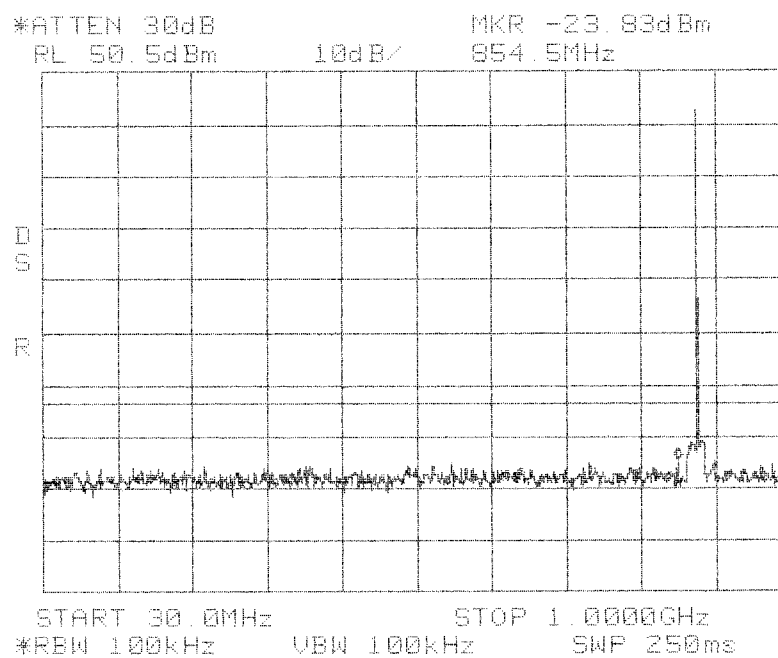
Software Defined Radio
Software Test 2
A Band

Channel 181

Software Defined Radio
Software Test 2
A Band

Chart 1:

```
*ATTEN 30dB              MKR -17.67dBm
 RL 50.5dBm      10dB/   888.908MHz
```

D
S

R

```
CENTER 887.000MHz         SPAN 5.000MHz
*RBW 100kHz    VBW 100kHz    SWP 50ms
```

Software Defined Radio
Software Test 2
B Band
Channel 217

Chart 2:

```
*ATTEN 30dB              MKR -23.83dBm
 RL 50.5dBm      10dB/   854.5MHz
```

D
S

R

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

Software Defined Radio
Software Test 2
B Band

Channel 217

```
*ATTEN 30dB                    MKR -14.00dBm
 RL 50.5dBm        10dB/       7.435GHz
```

```
D
S

R
```

```
START 1.000GHz           STOP 10.000GHz
*RBW 1.0MHz     VBW 1.0MHz      SWP 180ms
```

Software Defined Radio
Software Test 2
B Band
Channel 217

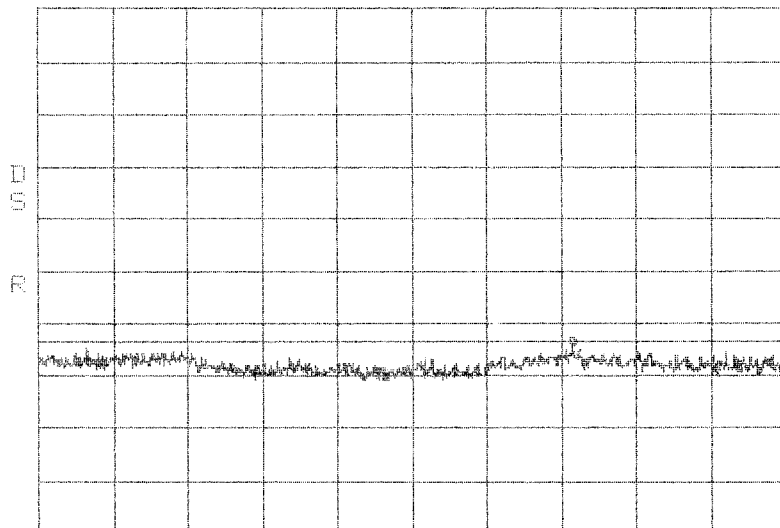**Software Defined Radio**
Software Test 2
B Band