

**Software Test 7 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 10<sup>th</sup> harmonic of the highest carrier frequency. The Software Test 7 simulates the GSM signal created from a repeated sequence with 8 timeslots of valid traffic channel data.

**Results:**

Pass (see plots)

**Software Defined Radio**

**Software Test 7**

**A Band - Channel 181**

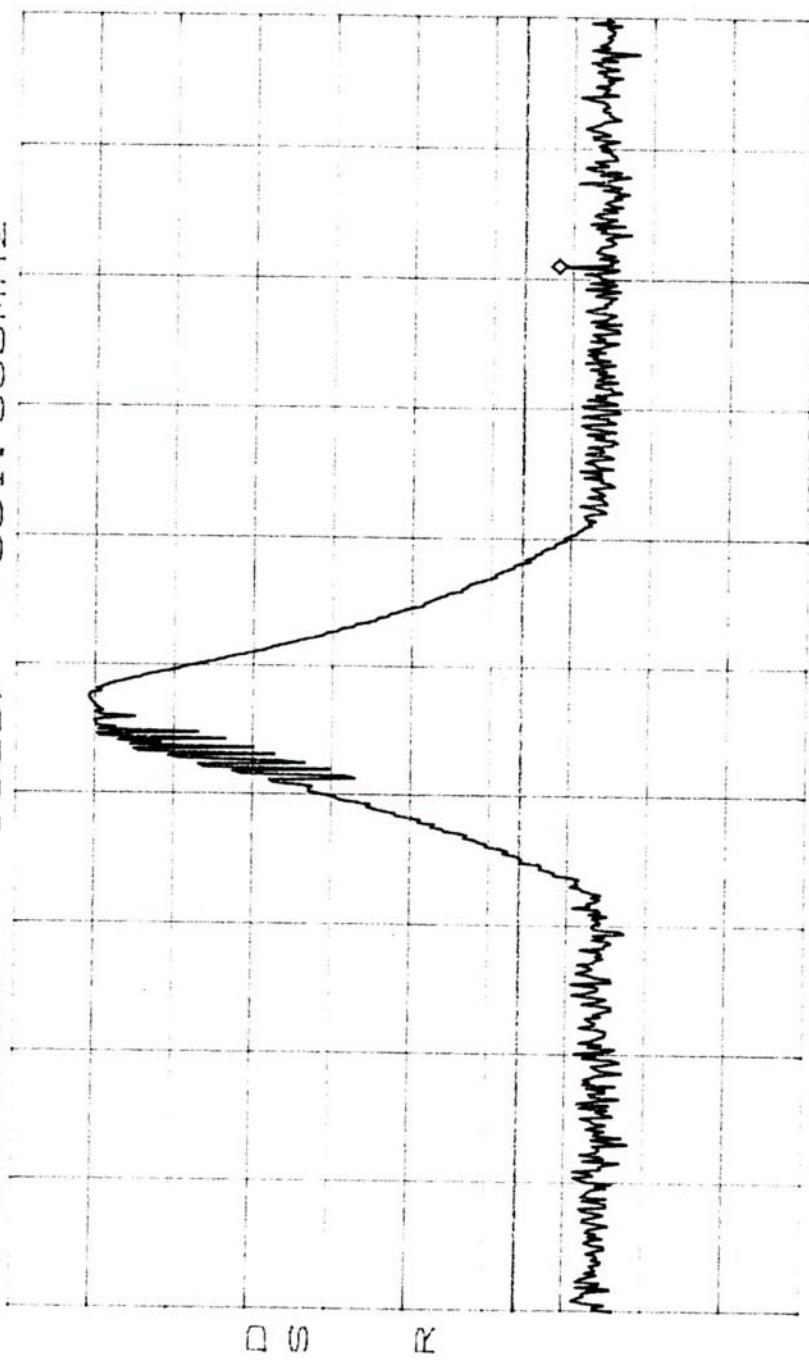
MKR -18.17dBm

881.550MHz

10dB/

\*ATTEN 30dB

RL 51.0dBm



CENTER 880.000MHz  
\*RBW 100kHz VBW 100kHz SWP 50ms

SPAN 5.000MHz SWP 50ms

**Software Defined Radio**

**Software Test 7**

**A Band - Channel 181**

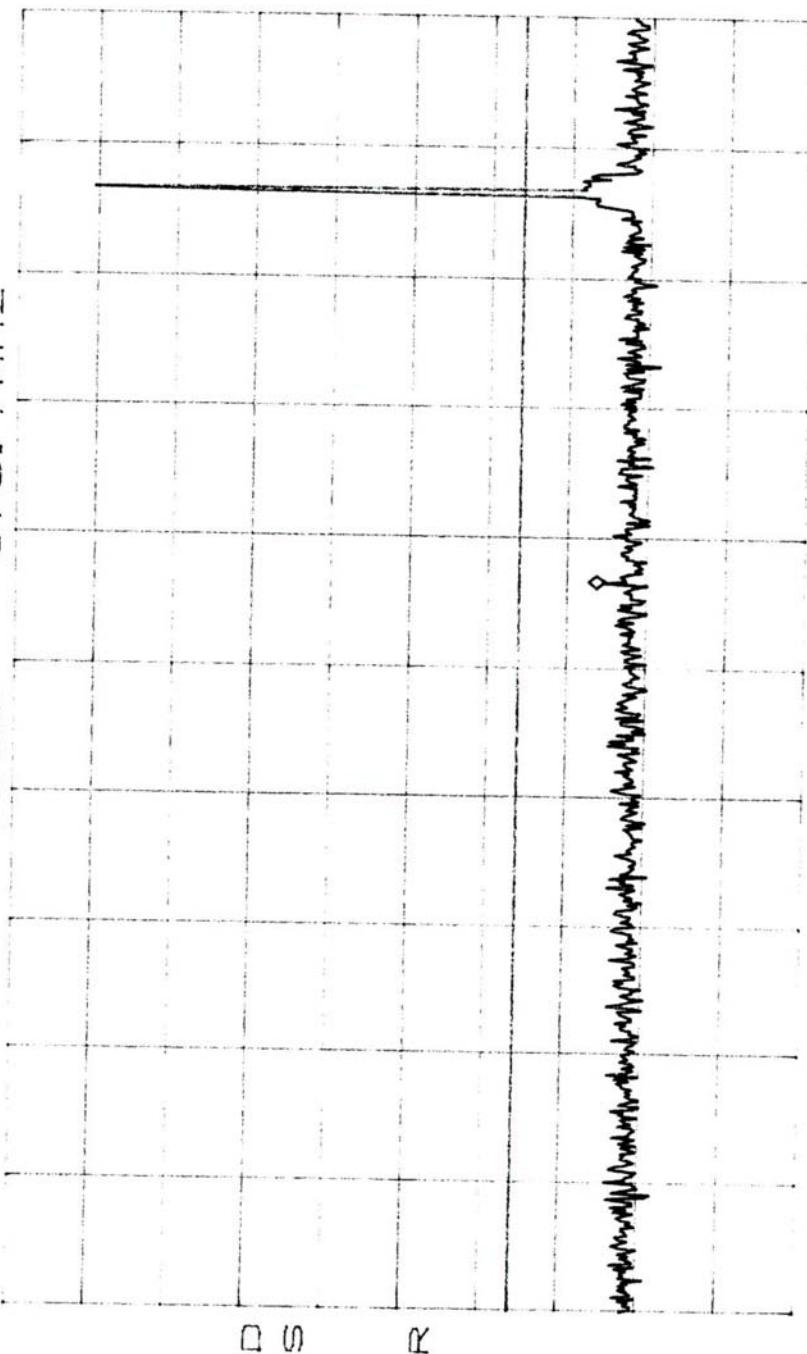
MKR -23. 67dBm

579. 7MHz

10dB✓

\*ATTEN 30dB

RL 51. 0dBm



START 30. 0MHz VBW 100kHz SWP 250ms  
\*RBW 100kHz

STOP 1. 0000GHz SWP 250ms

**Software Defined Radio**

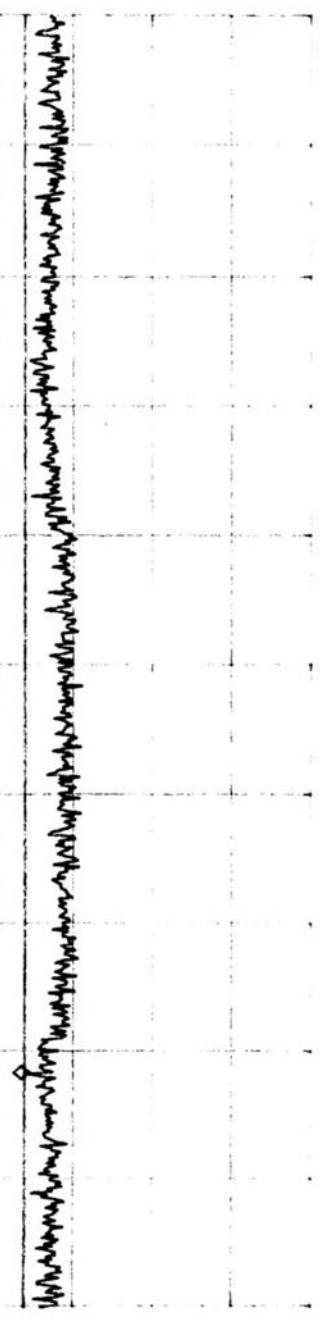
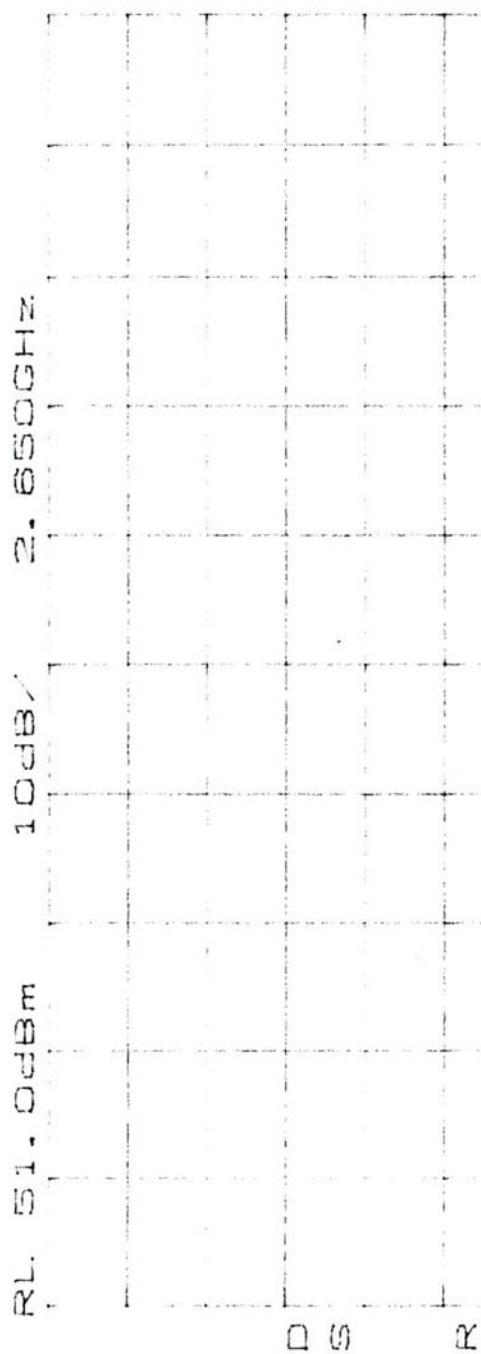
**Software Test 7**

**A Band - Channel 181**

**MKR = 13. 33dBm**

**\*ATTEN 30dB**

**RL 51. 0dBm**



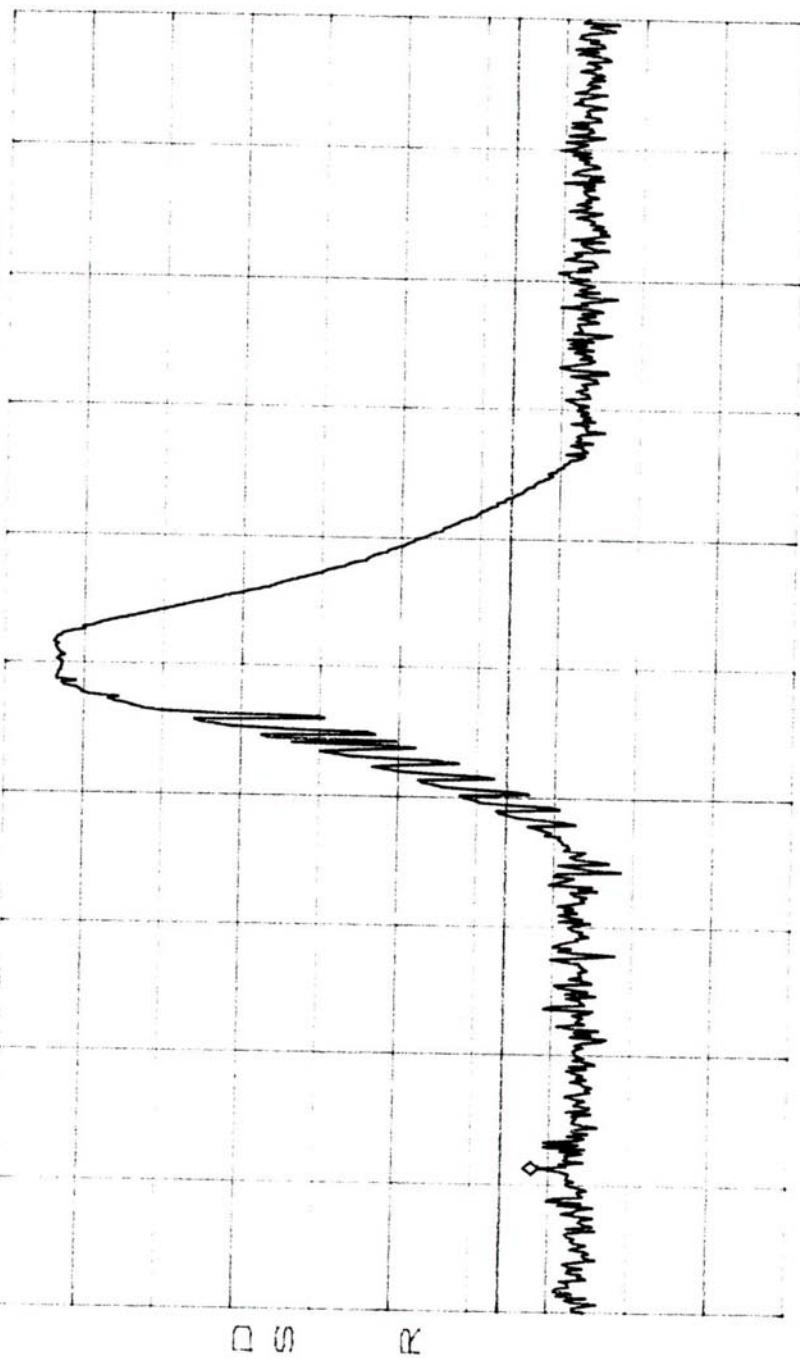
**START 1.000GHz**      **STOP 10.000GHz**  
**\*RBW 1.0MHz**      **VBW 1.0MHz**      **SWP 180ms**

**Software Defined Radio**

**Software Test 7**

**B Band - Channel 217**

MKR -17.67 dBm  
885.067MHz  
10dB/  
RL. 51.0dBm  
\*ATTEN 30dB



CENTER 887.000MHz  
\*RBW 100KHz VBW 100KHz  
SPAN 5.000MHz SWP 50ms

SPAN 5.000MHz  
SWP 50ms

**Software Defined Radio**

**Software Test 7**

**B Band - Channel 217**

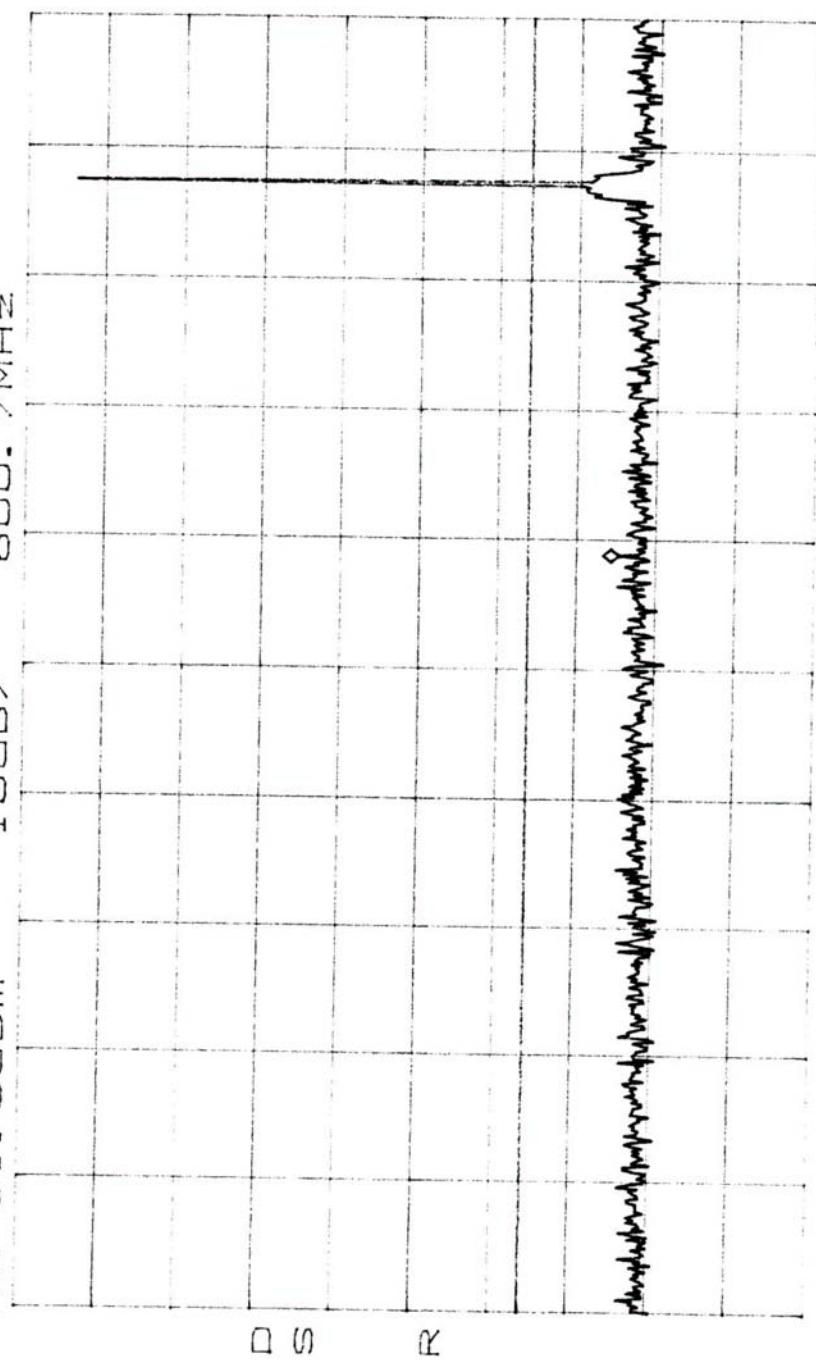
MKR -24. 33dBm

600. 7MHz

10dB/

\*ATTEN 30dB

RL 51. 0dBm



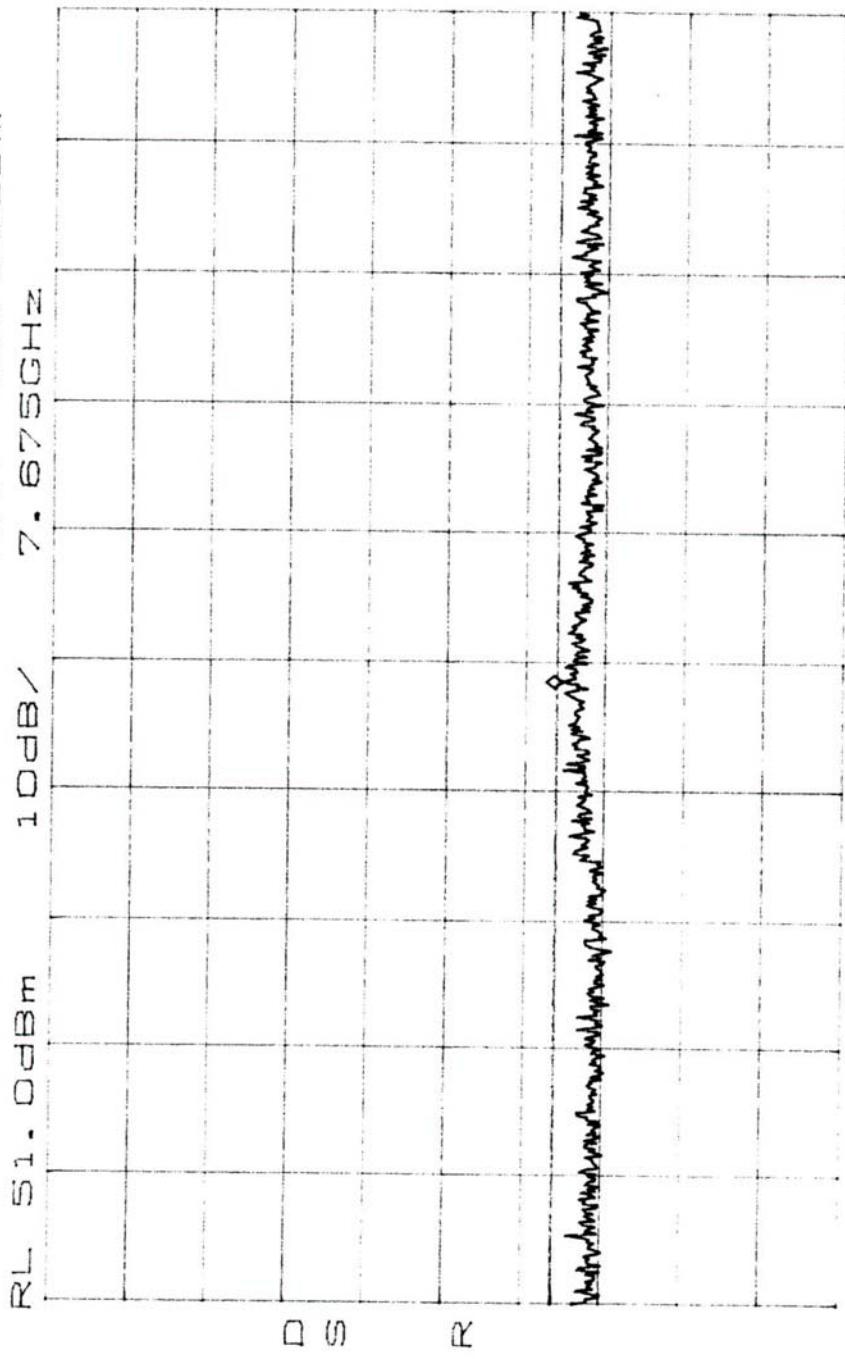
START 30. 0MHz  
\*RBW 100kHz VBW 100kHz SWP 250ms  
STOP 1. 000GHz

**Software Defined Radio**

**Software Test 7**

**B Band - Channel 217**

**\*ATTEN 30dB**      **RL S1. 0dBm**      **MKR -13. 50dBm**



**START 3. 310GHz**      **STOP 12. 310GHz**  
**\*RBW 1. 0MHz**      **VBW 1. 0MHz**      **SWP 180ms**