

Test Report File WinRoll 800  
FCC id: mp5-winroll-800

Response to FCC e-mail 2/24/2000  
To: Errol Chang Correspondence ref. #12310  
From: Norwood J. Patrterson

## **Avalcom Exciter**

**The Avalcom excutor was FCC type accepted on May 1, 1998.**  
**FCC ID: NPVAVAL-PTS-136**

The Manufacturer of the Exciter is:  
Avalcom Communications, Inc  
1777 No. California, Blvd. Suite 300  
Walnut Creek, California 94596-4173

A copy of the original FCC Authorization has been faxed to FCC  
today c/o Errol Chang.

## **Transmitter Amplifier Combined Output**

### **Conducted Spurious**

The conducted Spurious was measured with a Tek S/A  
model 492. No signals were identified above the report  
limit of -73 dBc. The only spurious signal identified above  
-90 dBc was the 3<sup>rd</sup> harmonic at -83 dBc.

All inbound spurs, those from the carrier to the second  
harmonic were all below -65 dBc. (FCC Limit = -57 dBc  
nominal power 25 watts)

## Occupied Bandwidth

The occupied bandwidth was measured with modulation, Sat plus 2.5 kHz at 50 % deviation plus 20 dB, the total deviation measured 10.8 kHz. All signals fell within the FCC Mask for Occupied Bandwidth.

<u>Freq. from Carrier +/-kHz</u>	<u>Signal dBc</u>
20 kHz	-40 dBc
45 kHz	-68 dBc
All inbound Spurs	-70 dBc
S/A Noise limit for Spurs	-98 dBc

## Radiated Spurious

The WinRoll 800 was set up with modulation on the REC 3-meter test range. Using a Tek S/A model 492 and properly adjusted and calibrated dipole antennas, no signals were identified within the report limit of -73 dBc.

Norwood J. Patterson made measurements on May 1 & 2, 1999.

*Norwood J. Patterson*

*3/24/2000*

