

OCCUPIED BANDWIDTH CONDUCTED COM-DEV

FCC id: JJAGLOBALCELL-IID 731 Confirmation #EA96557

The Com-Dev Cellular Base station was set-up with standard test conditions for a cellular base station modulated with sat plus 2.5 kHz tone at 50 % deviation + 20 dB in the laboratory of REC.

Using a Tek 492 calibrated spectrum Analyzer the following signals were identified:

Fc +/- Carrier kHz	Signal dBc
20	-35
45	-62

Note:

All inbound spurs were < -70 dBc
S/A noise level <-98 dBc

These test show compliance with the FCC bandwidth mask for a cellular Base station.

Modulation:

Sat + 2.5 kHz tone at 50 % deviation + 20 dB
Total deviation measured 13.8 kHz
Power = 14 watts

$$\text{FCC Spur limit dBc} = 43 + 10 \log P$$

$$\text{FCC spur limit} = -55 \text{ dBc}$$

Norwood J. Patterson made these measurements on November 22, 1999.

