March 23, 2012

Attn: Director of Certification

Dear Sir or Madam:

The following is the SAR calculation for the FlexWave™ Prism – 700 MHz Lower ABC MIMO, FCC ID F8I-PSM07L2D using the system's maximum RF emission. The calculation is based on FCC 47CFR Part 2 and OET 65.

Per OET 65:
Maximum Permissible Exposure is Freq. (MHz)/1500 = MPE mW/cm^2
737 MHz/1500= 0.4913 mW/cm^2

The following equations determine the distance from the antenna that the power density is $\leq$ 0.4913 mW/cm^2.

+44.35 dBm Transmitter Power (Max)
15.65 dBi Antenna Gain (Max)
44.35 dBm + 15.65 dBi= +60 dBm ERP
+60 dBm ERP = 1000 Watts EIRP
1640 Watts EIRP = $1000*10^3$ mWatts EIRP

.4913 $mW/cm^2 = 1000*10^3 mW/(4*\pi*r^2)$

$r= SQR(1000*10^3/4*\pi$ .4913)
r= 402.46 cm or 4.02 Meters

In addition, the following statement will be added to our installation/operation manual:

To comply with Maximum Permissible Exposure (MPE) requirements, the maximum composite output from the antenna cannot exceed 1000 Watts EIRP and the antenna must be permanently installed in a fixed location that provides at least 6 meters (20 feet) of separation from all persons.

Sincerely,

Joshua J. Wittman
Compliance Engineer
Tele: 952 403-8322
Fax: 952 403-8858
Email: joshua.wittman@te.com