

13 September 2011

AmericanTCB
6731 Whittier Avenue
McLean VA 22101
Attn: Director of Certification

RE: Declaration of Compliance to RF Exposure Limits for Humans

Meteorcomm 48V

RF Exposure Statement

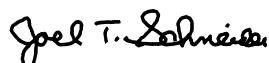
1. Standard Applicable

According to FCC 1.1307 (b)(1) and IC RSS-102, systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

This transmitter is intended to be operated with a fixed antenna in an Occupational/Controlled Exposure environment per FCC OET 65 or Controlled Use Environment per IC RSS-102 and is not subject to specific absorption rate (SAR) measurements. The Maximum Permitted Exposure (MPE) limit for this type device in the 100-300 MHz range is $1\text{mW/cm}^2 = 10\text{W/m}^2$.

The table below lists the calculated lateral distances to be maintained between personnel and an operational base station transmitter antenna for two typical antenna gains, 2.1 dBi for a vertical dipole or a vertical monopole over ground plane and 8 dBi for a 2-element collinear vertical dipole antenna.

Table 1. Required Distance Between Personnel and Transmitting Antenna Rated Power, W PEP	Maximum Duty Cycle, %	Antenna Gain, dBi	Minimum Lateral Spacing, cm
75	50	2.1	70
75	50	8	137
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Joel T. Schneider
Senior Engineer
Minnesota Wild River Lab
TÜV SÜD America
Tel: 651 604 4582
jschneider@tuvam.com