

White's Electronics
Matrix 100 TCB Certification Submittals for NW EMC TCB412
Jan 30, 2007

TCB412 ITEM 9 RF EXPOSURE LIMITS

Applicability of regulations:

First, Ref 47 CFR 15.103 Exempted Devices

"The following devices are subject only to the general conditions of operation in 15.5 and 15.29 and are exempt from the specific technical standards and other requirements contained in this part."

This product matches the description in 15.103(c) of industrial, commercial, or medical test equipment.

Next, Ref 47CFR 1.1310, Radio Frequency radiation exposure limits.

This section does not regulate exposure levels at frequencies below 0.3 MHz.

Next, Ref 47CFR 2.1093 Radiofrequency radiation exposure evaluation: portable devices.

2.1093(b) includes our device, but 2.1093(c) lists portable devices that are subject to routine environmental evaluation for RF exposure prior to equipment authorization or use. Our device is not among those listed here. "All other portable transmitting devices are categorically excluded from routine environmental evaluation for RF exposure prior to equipment authorization or use, except as specified in §§ 1.1307(c) and 1.1307(d) of this chapter."

Next, Ref. 47CFR 1.1307 (c) and (d)

These are exception processes that do not apply to our device.

The foregoing observations notwithstanding, it appears that our device is compliant with the exposure limits given in 2.1093 (d) (2), based upon estimated power and field distribution.