



Declaration of compliance

Exposure of Humans to RF Fields Requirements

Applicant : Fujitsu Frontech Limited
Type of Equipment : Handheld Terminal
Model No. : i-Pad100-xx
FCC ID : C9SDTA01IPAD100

Regulations Applied : CFR 47 FCC 15.247(b)(5)
References Documents : CFR 47 FCC 1.1307(b), 1.1310, 2.1093 and
OET65 Supplement C

RF Exposure Calculations :

The following minimum separation distance between the EUT's antenna and the human body was calculated in accordance with FCC OET65 Appendix B Table(B) "Limit for General Population / Uncontrolled Exposure".

The maximum permissible exposure level is defined with 1mW/cm².

The minimum separation distance where the exposure level reaches the permitted level can be calculated as bellow:

where:
$$S = P * G / 4\pi R^2 \quad \therefore R = \sqrt{P * G / 4\pi S}$$

R = minimum separation distance in cm

P = 13.996 mW (Max. conducted output power at antenna terminal)

G = 1.26(numeric gain) = 1.00 dBi(Max. antenna Gain)

S = 1.0 mW/cm² for 2.4 GHz (Max. permissible exposure level)

Then minimum separation distance is 1.185 cm.

Summary:

The EUT complies with the RF exposure requirement of the above regulation.

Masaaki Takahashi
Senior Manager
JQA EMC Engineering Dept.