

EQUIPMENT: Tracer 2210 Baseband Processor with
Tracer 3202 5.8 GHz Mastmount RFC PROJECT NO.: 1L0492RUS1

Section 6. RF Exposure

NAME OF TEST: RF Exposure	PARA. NO.: 15.247(b)(4)
TESTED BY: Lance Walker	DATE: 11/5/2001

Test Results: Complies.

Measurement Data:



Prediction of MPE limit at a given distance

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = \frac{PG}{4\pi R^2}$$

where: S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Maximum peak output power at antenna input terminal: 20.00 (dBm)

Maximum peak output power at antenna input terminal: 100 (mW)

Antenna gain(typical): 0 (dBi)

Maximum antenna gain: 1 (numeric)

Prediction distance: 200 (cm)

Prediction frequency: 5800 (MHz)

MPE limit for uncontrolled exposure at prediction frequency: 1 (mW/cm²)

Power density at prediction frequency: 0.000199 (mW/cm²)

Maximum allowable antenna gain: 37.0127 (dBi)