



2.10 Maximum Permissible Exposure (MPE)

2.10.1 Test Limits

The EUT shows compliance to the requirements of this section, which states the MPE limits for general population / uncontrolled exposure are as shown below:

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Average Time (min)
0.3 - 1.34	614	1.63	100 <small>Note 2</small>	30
1.34 - 30	824 / f	2.19 / f	180 / f ² <small>Note 2</small>	30
30 - 300	27.5	0.073	0.2	30
300 - 1500	-	-	f / 1500	30
1500 - 100000	-	-	1.0	30

Notes

1. f = frequency in MHz
2. Plane wave equivalent power density





Maximum Permissible Exposure Computation

Referring to the measured maximum peak power of the Equipment Under Test (EUT) below:

Channel	Channel Frequency (GHz)	Maximum Peak Power (mW)
Lower	2.402	0.63
Middle	2.440	0.41
Upper	2.480	0.43

The measured maximum RF power of the EUT is 0.63mW.

Applying Option A in § 1.1307(b)(3)(i)(A)

Since the available maximum time-averaged power of the EUT is no more than 1mW, the EUT is MPE exempted, and no routine evaluation is required.

