

European Academy for Environmental Medicine Recommended Levels

<https://europaem.eu/en/>

Table 3 Precautionary guidance values for radio-frequency radiation

EUROPAEM-EMF-Guideline-2016-for-the-prevention-and-treatment-of-EMF-related-health-problems.pdf

RF Source Max Peal/Peak Hold	Daytime Exposure	Nighttime Exposure	Sensitive Populations
Radio broadcast FM	10,000 uW/m ²	1,000 uW/m ²	100 uW/m ²
TETRA	1,000 uW/m ²	100 uW/m ²	10 uW/m ²
DVBT	1,000 uW/m ²	100 uW/m ²	10 uW/m ²
GSM (2G) 900/1800 MHz	100 uW/m ²	10 uW/m ²	1 uW/m ²
DECT	100 uW/m ²	10 uW/m ²	1 uW/m ²
UMTS (3G)	100 uW/m ²	10 uW/m ²	1 uW/m ²
LTE (4G)	100 uW/m ²	10 uW/m ²	1 uW/m ²
GPRS (2.5G) with PTTCH* (8.33 Hz pulsing)	10 uW/m ²	1 uW/m ²	0.1 uW/m ²
DAB+ (2.4 Hz pulsing)	10 uW/m ²	1 uW/m ²	0.1 uW/m ²
WiFi 2.4/5.6 GHz (10 Hz pulsing)	10 uW/m ²	1 uW/m ²	0.1 uW/m ²

*PTTCH Packet timing advance control channel

Smart Meter Comparison; European Academy and FCC

DECT (Digital Enhanced Cordless Telephone) is chosen as a comparison device with a smart-meter because, DECT is spread spectrum and frequency hopping like the smart-meter.

FCC allowable level is 60,000 times higher than Euro Academy **DAYTIME** recommendations

FCC allowable level is 600,000 times higher than Euro Academy **NIGHTTIME** recommendations

FCC allowable level is 6,000,000 times higher than Euro Academy **SENSITIVE** recommendations

FCC Maximum Exposure Levels, Document; oet56e4

300 to 1500 MHz max exposure; f/1500 mw/cm²

Above 1500 Mhz = 1 mw/cm²

	mw/cm ²	uW/cm ²	uW/m ²
900 Mhz =	0.6 mw/cm ²	600 uW/cm ²	6 million uW/m ²
1800 Mhz =	1 mw/cm ²	1000 uW/cm ²	10 million uW/m ²
2.4 Ghz =	1 mw/cm ²	1000 uW/cm ²	10 million uW/m ²