

FCC EM Field exposure calculation

RF Exposure – USA

The 95.2320T02 module is designed to be installed in a desktop or wall mounted enclosure and is designed to be used > 20cm from the body.

The device is designed to be used with a variety of antennas and EMF calculations have been done using 8dBi antenna which is higher gain than any of the recommended options so represents worst case for all of them.

The lowest transmit frequency is 1710 MHz which is > 1500 MHz, therefore the limit is 1mW / cm².

Pout	23.00	dBm
TX Ports	2	
Antenna	6.50	dBi
Total Power	32.50	dBm e.i.r.p.
(23.00 +3dB + 6.5 dBi)	1.78	W e.i.r.p.
Duty Cycle	100 %	
Average Power	1.78	W e.i.r.p.
Total	1778.28	mW
MPE at 20cm	0.35	mW/cm ²

Worst case field at 20 cm is 0.35mW / cm².