

1. For MPE I'm not sure how you got your answer of 0.467 mW/cm². I get 0.997 mW/cm².

$$S = PG / (4\pi R^2)$$

Where:

S = Maximum power density (mW/cm²)

P = Power input to the antenna (mW). = 31.623

G = Numeric power gain of the antenna = 15.848932

R = Distance to the center of the radiation of the antenna (20cm = limit for MPE) = .02₂

The maximum permissible exposure (MPE) Limit for the general population is f/1500 which is 0.4793 mW/cm².

$$(31.623 \times 15.848932) / (4 \times \pi \times .02^2) = 0.997 \text{ mW/cm}^2$$

The power density at 20cm does not meet the 0.4793 mW/cm² limit. Therefore, the exposure condition

is not compliant with FCC rules. Is this a professional installation? Will these units be mounted on buildings outside or inside? I think you will need to perform a MPE test to find out the minimum distance a bystander can be within and put that in the users manual. This will not comply at 20 cm.

My original prediction report shows the calculated MPE as 0.1 mW/cm², which I believe to be correct. The 0.467 mW/cm² was the interpolated limit for uncontrolled exposure. I think you are expressing the distance in meters in your above example. I have attached an updated MPE report to change the limit to 0.4793 instead of the 0.467 that was on the original report.

2. On the FCC ID label it looks like this. FCC: BCR-715F it must have the ID added in to look like FCC ID: BCR-715F. Please revise the FCC ID label.

[Please find a corrected label.](#)

3. The FCC site will not let the users manual be marked confidential. Please have your client make a document to take the place of the manual that does not have to be confidential one or two pages at the most. Just something simple will work. We can then take the manual and add it to the operational description and it will remain confidential.

[I have sent an attachment with this response that should work. I am not sure what Dennis has done with these in the past.](#)