

RF Exposure Information - DTS and NII

FCC ID: RTP-5500016-1 is capable of transmitting in more than one frequency band at a time. The maximum measured EIRP values and power densities at 20 cm in each operating band with a +2dBi antenna are:

2.4 GHz	20.37 dBm	109 mW	0.022 mW/cm ² .
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5.3 GHz	22.05 dBm	160 mW	0.032 mW/cm ² .
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5.8 GHz	22.03 dBm	160 mW	0.032 mW/cm ² .
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Power density at 20 cm is calculated from $EIRP/(4*\pi*20^2)$.

The highest possible power density occurs when all three bands are active. It is the sum of the individual powers, or $429\text{ mW}/(4*\pi*20^2) = 0.085\text{ mW/cm}^2$. This is well below the 1 mW/cm^2 limit allowed in 47 CFR 1.1310.