

MPE Estimation

FCC ID: SHE-WL007

Based on FCC's example for co-transmitting devices MPE estimation was performed considering the following:

EIRP of WLAN transmitter: 0.459 W
Distance to co-transmitter: 20 cm

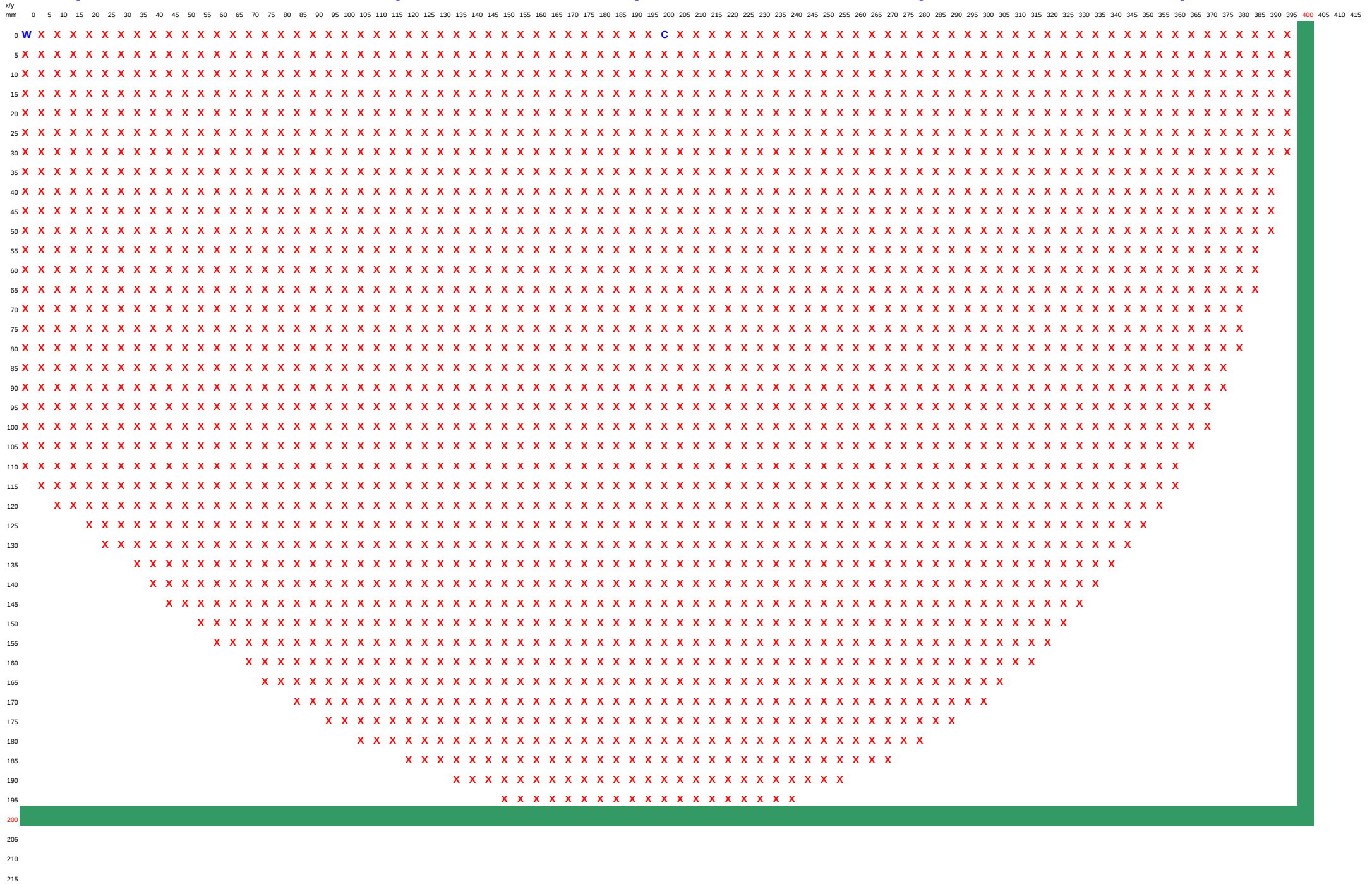
- 1) Possible co-transmitter is Cellular 1900
- 2) Possible co-transmitter is Cellular 850

- 1) It was graphically verified the maximum EIRP of the co-transmitter, at which the Power Density limit of 1 mW/cm^2 is reached
- 2) It was graphically verified the maximum ERP of the co-transmitter, at which the Power Density limit of 0.567 mW/cm^2 is reached

Results:

- 1) Maximum EIRP for possible Cellular 1900 Co-transmitter is 4.79 W
(see page 2)
- 2) Maximum EIRP for possible Cellular 850 Co-transmitter is 2.7 W (1.64 W ERP)
(see page 3)

RF Exposue estimation for WLAN (2,45 GHz, 459m EIRP) and Cellular Transmitter (1900 MHz, 4,79 W EIRP)



RF Exposure estimation for WLAN (2,45 GHz, 459m EIRP) and Cellular Transmitter (850 MHz, 2,7 W EIRP)

