

Antenna Gain Information

The build-in antenna was designed for UXD07003 only, the product manufacturer do not have detailed antenna gain measurement/plot. In the test report HM158198, we calculate the antenna gain as shown below:

Antenna Gain dBi = Maximum EIRP (dBm) – Maximum Peak Conducted Output Power (dBm)

@2403.1 MHz Conducted Power = 19.54 dBm, Maximum EIRP = 9.54 dBm, Antenna Gain = 9.54 - 19.54 = -10 dBi

@2442.2 MHz Conducted Power = 13.01 dBm, Maximum EIRP = 12.79 dBm, Antenna Gain = 12.79 - 13.01 = -0.2 dBi

@2479.4 MHz Conducted Power = 19.03 dBm, Maximum EIRP = 8.45 dBm, Antenna Gain = 8.45 - 19.03 = -10.6 dBi