

EXHIBIT 11 - MPE CALCULATION DATA

FCC ID: KBCIX260-PROAC555

Applicant: ITRONIX, Corp.

Model: IX260 with the two co-located transmitters listed below

1.) AIRCARD555 with IX260 blade antenna

	Max Peak	Average
Tx Freq: 824.47 Power @ antenna terminal input:	24.65	23.0
Tx Freq: 835.89 Power @ antenna terminal input:	24.36	23.0
Tx Freq: 848.31 Power @ antenna terminal input:	24.47	23.0
Antenna gain: -0.4 dB		
Tx Freq: 1851.25 Power @ antenna terminal input:	24.42	23.0
Tx Freq: 1880.00 Power @ antenna terminal input:	24.42	23.0
Tx Freq: 1908.75 Power @ antenna terminal input:	24.35	23.0
Antenna Gain: -3.2 dBi		

-supporting MPE calculations on page 2

2.) INTEL PRO WM3B2200BG, (WLAN) with Rangestar antenna PN 100929

-supporting calculations on page 2

Tx Freq: 2437 MHz
 Max Peak Power @ antenna terminal input: 17.41 dBm
 Antenna Gain: 4.5 dBi

-supporting MPE calculations on page 2

The two transmitters do not transmit at the same time. Therefore, no multiple frequency exposure information is provided. For reference however, calculations were made and they confirmed continued compliance even if they did transmit simultaneously.

The MPE calculations for general population/uncontrolled limits are on the following page.

Prediction of MPE Limit OET Bulletin 65, Edition 97-01

$$S = PG/4\pi R^2 \qquad R = \sqrt{PG/4\pi S}$$

S= power density
P= power input to the antenna
G= power gain of the antenna in the direction of interest relative to an isotropic radiator
R= distance to the center of radiation of the antenna

General Population/UncontrolledAirCard 555

Tx Frequency: 824.70 MHz
Max. Peak Power Antenna Input Terminal: 24.65 dBm
Antenna gain: -0.4 dBi

S= 0.55 (mW/cm²)
P= 291.7427 (mW)
G= -0.4 (numeric)
R = 6.21 (cm)

S (mw/cm²) at 20cm = 0.052876094

Tx Frequency: 1880.00 MHz
Max. Peak Power Antenna Input Terminal: 24.42 dBm
Antenna gain: -3.20 dBi

S= 1.00 (mW/cm²)
P= 276.6942 (mW)
G= 0.480 (numeric)
R = 3.25 (cm)

S (mw/cm²) at 20cm = 0.026318393

INTEL PRO WLAN

Tx Frequency: 2437.00 MHz
Max. Peak Power Antenna Input Terminal: 17.41 dBm
Antenna gain: 4.5 dBi

S= 1.00 mW/cm²)
P= 55.0808 (mW)
G= 2.82 (numeric)
R = 3.51 (cm)

S (mw/cm²) at 20cm = 0.030850298