

EXHIBIT 11 - MPE CALCULATION DATA

FCC ID: KBCIX260-PRO-BT

Applicant: ITRONIX, Corp.

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

1.) INTEL PRO WM3B2200BG, WLAN with Rangestar antenna PN: 100929

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

-supporting MPE calculations on page 2.

2.) MITSUMI Electric Co., Ltd, WML-C11NU, Bluetooth with Rangestar antenna PN: 100929

Tx Freq: 2402 MHz
 Max Peak Power @ antenna terminal input: 14.46 dBm
 Antenna Gain 4.5 dBi

-supporting MPE calculations on page 2.

The WLAN and Bluetooth Intentional Radiators can transmit at the same time, so multiple frequency exposure information is provided for this combination.

The MPE calculations are submitted for multiple frequency exposure criteria. The ratio of the field strength or power density to the applicable exposure limit at the exposure location was determined for each transmitter below and the sum of these ratios does not exceed the 1 mW/cm² limit for uncontrolled exposure / general population exposure limits detailed in CFR 47, Part 1.1310.

1.) Multiple Frequency Exposure Requirements WLAN & BT

Ratio 1	Ratio 2	Limit
WLAN	Bluetooth	
0.031/1	0.016/1	<1.0
= 0.031	= 0.016	<1.0
Sum = 0.047 (mW/cm ²)		<1.0

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

MPE General Population/Uncontrolled

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)

Field Density S (mw/cm²) at 20cm = 0.030850298 (mw/cm²)

MITSUMI BLUETOOTH

Tx. Frequency: 2402.00 MHz
 Max. Peak Power Antenna Input Terminal: 14.16 dBm
 Antenna gain: 4.50 dBi

S= 1.00 (mW/cm²)
 P= 27.9254 (mW)
 G= 2.82 (numeric)
 R = 2.50 (cm)

Field Density S (mw/cm²) at 20cm = 0.01564815 (mw/cm²)