

EXHIBIT 11 - MPE CALCULATION DATA

The FCC ID TBO7525V1, Model: AV1pro contains the two co-located transmitters listed below. The following MPE calculations show compliance with the requirements for General Population Uncontrolled Exposure.

1.) RFID Solutions Model: AV1pro 13.56 MHz, (RFID)

$S \text{ (mw/cm}^2\text{) at 20cm} = 0.002501839$

Tx Freq: 13.56 MHz Antenna Gain: -12.0 dBi
 Max Peak Conducted Power @ antenna terminal input: 23.00 dBm

Channel #	Frequency (MHz)	Peak Power (Watts)	Peak Power (dBm)
Only One Channel	13.56 MHz	199.5262	23.00

2.) Workabout PRO Model: 7225C, with Model: Zeevo TC2001, (Bluetooth)

$S \text{ (mw/cm}^2\text{) at 20cm} = 0.000165676$

Tx Freq: 2441 MHz Antenna Gain: 3.94 dBi
 Max Peak Conducted Power @ antenna terminal input: -4.73 dBm

Channel #	Frequency (MHz)	Peak Power (Watts)	Peak Power (dBm) e
1	2402	0.00037	-4.24
6	2441	0.00037	-4.73
11	2480	0.00033	-4.80

No Multiple Frequency Exposure

The RFID and the Bluetooth Intentional Radiators cannot transmit at the same time. Therefore there is no Multiple Frequency Exposure data submitted.

General Population/Uncontrolled

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

1.) RFID Solutions Model: AV1pro 13.56 MHz , (RFID)

Tx Frequency:	13.56	MHz
Max. Peak Power Antenna Input Terminal:	23.00	dBm
Antenna gain:	-12.00	dBi

S=	0.98	(mW/cm ²)
P=	199.5262	(mW)
G=	0.06	(numeric)
R =	1.01	(cm)

S (mw/cm²) at 20cm = 0.002501839

2.) Workabout PRO Model: 7225C, with Model: Zeevo TC2001, (Bluetooth)

Tx Frequency:	2441	MHz
Max. Peak Power Antenna Input Terminal:	-4.73	dBm
Antenna gain:	3.94	dBi

S=	5.00	(mW/cm ²)
P=	0.3365	(mW)
G=	2.48	(numeric)
R =	0.12	(cm)

S (mw/cm²) at 20cm =0.000165676