



COMMUNICATIONS, INC.

Electromagnetic Devices for Radio Communications Systems

March 20th, 2017

Subject: RF MPE Exposure

FCC ID: **P3TDH4L00-M**

IC ID: **8986A-DH4L00M**

To Whom It May Concern:

The MPE calculations for model DH4L00-M Master Unit were done for frequency band 400 MHz.

For this band four calculations were done; these included the different possibilities of antennas that may be connected to this device at the declared output power value, fixed outside and inside antennas.

Minimum Safe Distance from Antennas
According FCC CFR 47 part 1, 1310

FCC 1.1310

	Frequency	Power	Antenna Gain	EIRP	EIRP	Distance D	PD	Limit	Margin
	MHz	dBm	dBi	dBm	mW	cm	mW/m ²	mW/cm ²	dB
UL	406.1	24	0	24	251	55	0.0066	0.2707	16.12
UL	406.1	24	13	37	5012	55	0.1318	0.2707	3.12
	$PD=EIRP/(4\pi r^2 D^2)$								



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**Minimum Safe Distance from Antennas
According CANADA RSS-102**

CANADA RSS-102 Issue

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	Frequency	Power	Antenna Gain	EIRP	EIRP	Distance D	PD	PD W	Limit	Margin
	MHz	dBm	dBi	dBm	mW	cm	mW/m ²	W/m ²	PD W/m ²	dB
U L	406.1	24	0	24	251	55	0.0066	0.066	1.59	13.81
U L	406.1	24	13	37	5012	55	0.1318	1.318	1.63	0.81
	$PD = EIRP / (4\pi r^2 D^2)$									

Dated this 20th day of March 2017

By:

Signature

Ricardo de Goycochea
Printed

Title: CEO

On behalf of: Fiplex Communications, Inc

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