fiplex
COMMUNICATIONS, INC.
Electromagnetic Devices for Radio Communications Systems

November 18, 2015

Subject: RF MPE Exposure
FCC ID: **P3TH7**
IC ID: **8986A-H7**

To Whom It May Concern:

The MPE calculations for model H7 signal booster were done for frequency band 700 MHz. For this band four calculations were done; these included the different possibilities of antennas that may be connected to this device and two output power options (with and without High Power amplifier): fixed outside and inside antennas.

Minimum Safe Distance from Antennas

According FCC CFR 47 part 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
DL	763	30	6	36	3981	25	0.5069	0.5087	0.02
UL	793	24	13	37	5012	28	0.5087	0.5287	0.17
	$PD=EIRP/(4x\pi xD^2)$								

7331 N.W. 54th Street, Miami, Florida 33166
Phone: (305)884-8991 . Fax: (305)884-4041 . E-mail: info@fiplex.com

COMMUNICATIONS, INC.

Electromagnetic Devices for Radio Communications Systems

Minimum Safe Distance from Antennas

According CANADA RSS-102

	Frequency	Power	Antenna Gain	EIRP	EIRP	Distance D	PD	PD	Limit	Margin
	MHz	dBm	dBi	dBm	mW	cm	mW/m^2	W/m^2	PD W/m^2	dB
DL	768	30	6	36	3981	40	0.20	2.0	2.45	0.93
UL	798	24	13	37	5012	45	0.20	2.0	2.52	1.07
	$PD=EIRP/(4x\pi x D^2)$									

Dated this 14th day of November 2016

By:

_____.
Signature

Ricardo de Goycoechea .
Printed

Title: CEO
On behalf of: Fiplex Communications, Inc
Telephone: +1 305 884 8991

7331 N.W. 54th Street, Miami, Florida 33166
Phone: (305)884-8991 . Fax: (305)884-4041 . E-mail: info@fiplex.com