



**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 <sup>2</sup>	mW/cm <sup>2</sup>	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/(4xπxD <sup>2</sup> )								



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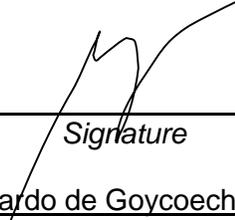
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**Minimum Safe Distance from Antennas  
According CANADA RSS-102**

	Frequency	Power	Antenna Gain	EIRP	EIRP	Distance	PD	PD	Limit	Margin
	MHz	dBm	dBi	dBm	mW	cm	mW/m <sup>2</sup>	W/m <sup>2</sup>	PD W/m <sup>2</sup>	dB
D L	768	30	6	36	398 1	40	0.20	2.0	2.45	0.93
U L	798	24	13	37	501 2	45	0.20	2.0	2.52	1.07
	$PD = EIRP / (4\pi r^2)$									

Dated this 14<sup>th</sup> day of November 2016

By:

  
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*Signature*  
 \_\_\_\_\_  
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