



COMMUNICATIONS, INC.

Electromagnetic Devices for Radio Communications Systems

6th April, 2017

Compliance Testing LLC
1724 S. Nevada Way
Mesa, AZ 85204
USA

FCC ID: P3TDH4

IC Product ID: 8986A-DH4

Product Name: DH4

Maximum Permissible Emissions (MPE)

The MPE calculations for Signal Booster model DH1 were done for frequency band 450 - 512 MHz, and are shown on 450MHz which is the worst case scenario.

For this band calculations were done including different possibilities of antennas that may be connected to this device at the maximum output power level.

**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
450	37	0	37	5012	45.00	0.1970	0.3000	1.83
450	24	10	34	2512	55.00	0.0661	0.3000	6.57
PD=EIRP/(4πr ² D ²)								



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

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
450	37	0	37	5012	55.00	0.1318	1.318	1.70	1.11
450	24	10	34	2512	55.00	0.0661	0.661	1.70	4.11
PD=EIRP/(4πr ² D ²)									

Dated this 6th day of April 2017

By:



Signature

Ricardo de Goycoechea

Printed

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