### 2.6 MAXIMUM PERMISSIBLE EXPOSURE (MPE)

| Test Summary |  |
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| Test Lab: MPB Technologies Inc. Ottawa | Product: BST300 Cellular Booster |
| Test Personnel: D. Zanette |  |
| Test Date: February 4, 2000 |  |


| Test Description |  |  |
| :--- | :--- | :--- |
| Objectives/Criteria |  |  |
| For devices to be operated more then 20 cm <br> from the users body, the equipment shall not <br> exceed that listed in the table. | Power Density Requirements,FCC Part |  |
|  |  |  |
|  |  |  |


(6)

(12)
11
10

| Point | Reading (V/m) | INT./EXT. |
| :---: | :---: | :---: |
| 1 -HEAD | 8.0 | INT. |
| 2 - HEAD | 9.1 | INT. |
| 3 - HEAD | 5.4 | INT. |
| 4 - HEAD | 6.6 | INT. |
| 1 - PELVIC | 11.6 | INT. |
| 2 - PELVIC | 10.1 | INT. |
| 3 - PELVIC | 10.2 | INT. |
| - PELVIC | 7.6 | INT. |
| 5 | 7.0 | EXT. |
| 6 | 6.2 | EXT. |
| 7 | 5.6 | EXT. |
| 8 | 14.6 | EXT. |
| 9 | 13.4 | EXT. |
| 10 | 6.6 | EXT. |
| 11 | 7.4 | EXT. |
| 12 | 8.0 | EXT. |

Note: "X" refers to position of antenna. Car was a Honda Civic Dx. Point 8 (Worst Case) was achieved at 20 cm from antenna.

Limit $=0.549 \mathrm{mw} / \mathrm{cm}^{2}$
Max Output $=14.6 \mathrm{~V} / \mathrm{m}=0.135 \mathrm{mw} / \mathrm{cm}^{2} @ 20 \mathrm{~cm}$ being below maximum safety limit
The EUT complies with maximum permissible exposure requirements.


| Point | Reading (V/m) | INT./EXT. |
| :---: | :---: | :---: |
| 1 | 5.4 | EXT. |
| 2 | 4.4 | EXT. |
| 3 | 3.8 | EXT. |
| 4 - HEAD | 21.2 | INT. |
| 5 - HEAD | 21.8 | INT. |
| 6 - HEAD | 23.1 | INT. |
| 7 - HEAD | 18.4 | INT. |
| 4 - PELVIC | 17.2 | INT. |
| 5 - PELVIC | 11.6 | INT. |
| 6 - PELVIC | 19.6 | INT. |
| $7-$ PELVIC | 12.8 | INT. |
| 8 | 7.2 | EXT. |
| $\mathbf{9}$ | $\mathbf{2 7 . 0}$ | EXT. |
| 10 | 7.4 | EXT. |
| 11 | 8.0 | EXT. |
| 12 | 4.6 | EXT. |

Note: " $X$ " Refers to position of antenna. Car was a Honda Civic Dx. Point 9 (Worst Case) was achieved at 12 inches ( 30 CM ) From glass mount ANTENNA.
Limit $=0.549 \mathrm{mw} / \mathrm{cm}^{2}$ at 20 cm
Max Output $=27.0 \mathrm{~V} / \mathrm{m}=0.195 \mathrm{mw} / \mathrm{cm}^{2}$ @ 12 inches $(30 \mathrm{~cm})$ being user recommended minimum safety distance The EUT complies with maximum permissible exposure requirements.

