Table 2. SAR Measurements

Type of Exposure	Dui Side	Holster Separation	Channel	Frequency (MHz)	1g SAR	10g SAR
Hand	KBD Down	0mm	Mid	899.0125	-	1.4
Hand	KBD Down	0mm	High	901.9875	-	0.6
Hand	KBD Down	0mm	Low	896.0125	-	1.3
Body	KBD Down	Holster**	Low	896.0125	0.86	0.40
Body	**KBD Down**	**Holster**	**Low**	**896.0125**	**1.19**	**0.45**
Body	KBD Down	Holster	High	901.9875	0.54	0.25
Body	KBD Down	Holster	Mid	899.0125	0.95	0.43
Body	KBD Up	Holster	Low	896.0125	0.79	0.34

Holster** The device was tested at a 15mm Separation distance while in the holster.
Holster (11.9mm) + Phantom Shell Thickness (2mm) + D (1.1mm) = 15mm
The Holster has metallic components, which are used for the spring action.

6.3. USER'S HAND EXPOSURE

All subsequent testing for user's hand exposure was performed at Mid channel (899.0125 MHz) with the keyboard facing down from the phantom at 0mm separation distance. This relates to the position and frequency found to provide the maximum measured SAR value.

1) The device had an initial course scan executed to establish the location of the maximum peak SAR. A calculated resolution of 1mm was used to determine the location for the peak SAR.

2) The device was then explored on a refined 32 mm grid (Cube, Fine Scan)in three dimensions (X, Y & Z) measuring at 8 mm integrals X & Y and 5mm integrals in the Z plane so as to create a physical measured point matrix. The system then runs a series of complex algorithms, which completes the matrix of calculated and measured values equivalent to a 1mm resolution in the X, & Y planes.

3) The software runs a series of Lagrange functions to provide the data for the Z plane, which is inserted into the matrix.

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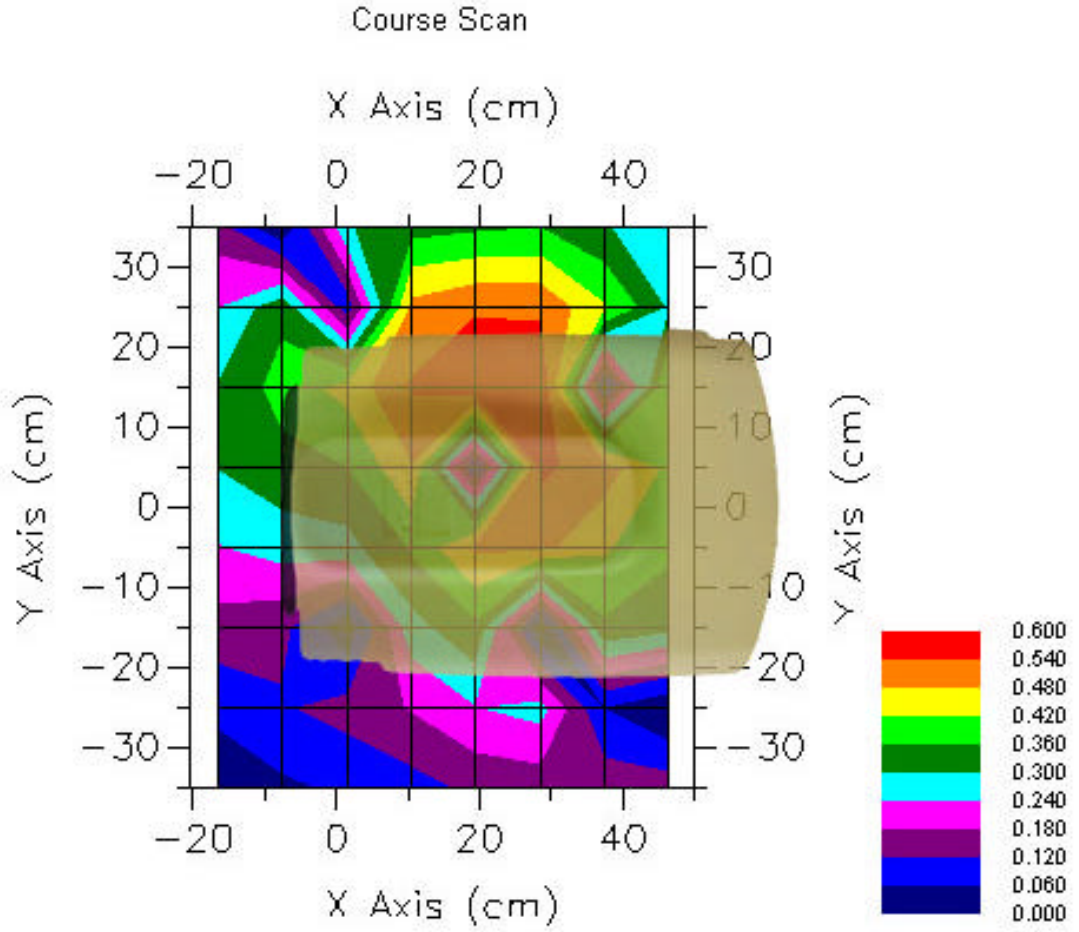
Graph 4

Exposure Type	Position	Holster Separation	L/M/H	Frequency (MHz)	1g SAR	10g SAR
Body	Keyboard Down	Holster**	Low	896.0125	0.86	0.40

15mm Separation



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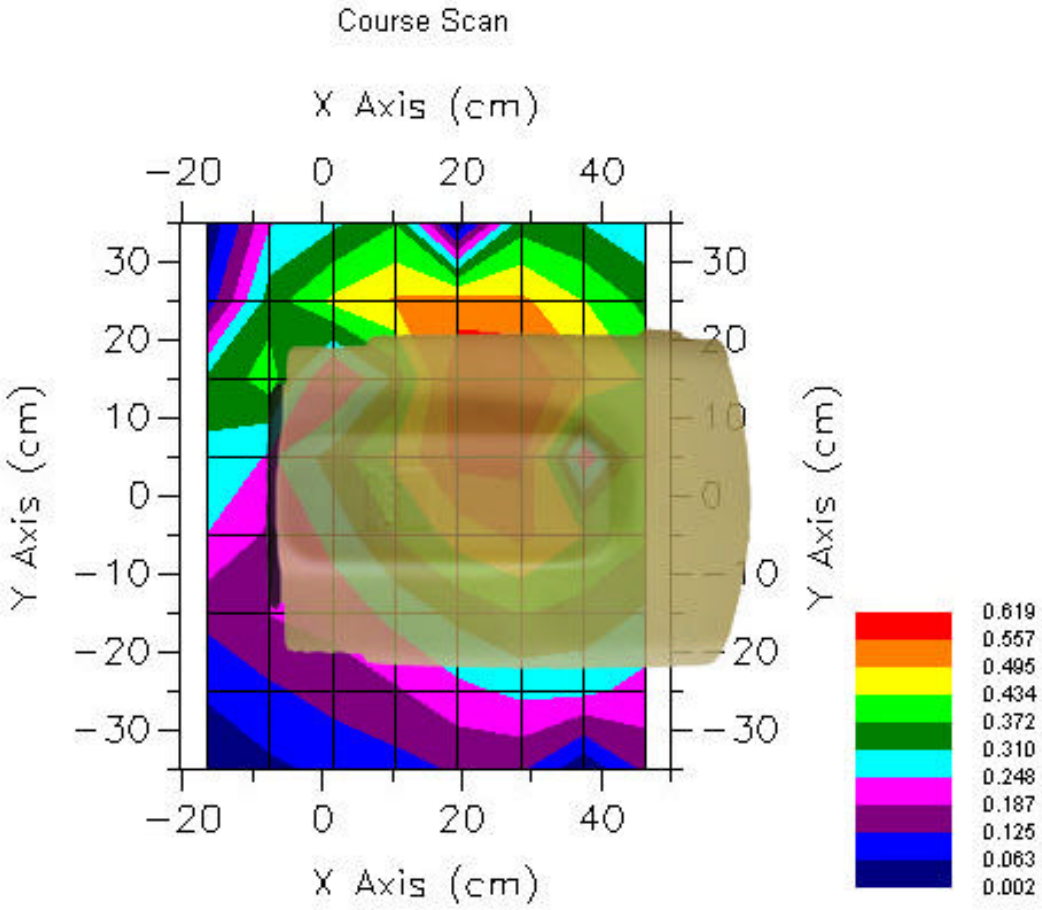
Graph 5

Exposure Type	Position	Holster Separation	L/M/H	Frequency (MHz)	1g SAR	10g SAR
Body	Keyboard Down	Holster	Low	896.0125	1.19	0.45



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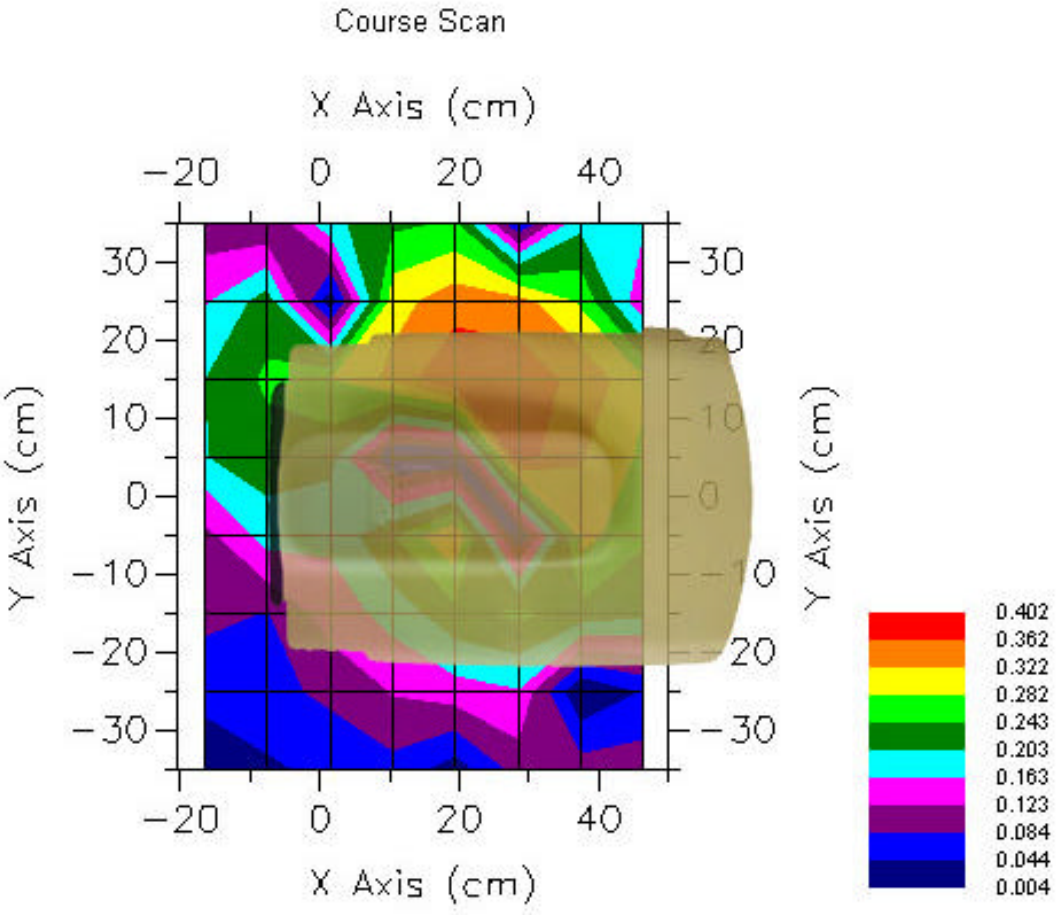
Graph 6

Exposure Type	Position	Holster Separation	L/M/H	Frequency (MHz)	1g SAR	10g SAR
Body	Keyboard Down	Holster	High	901.9875	0.54	0.25



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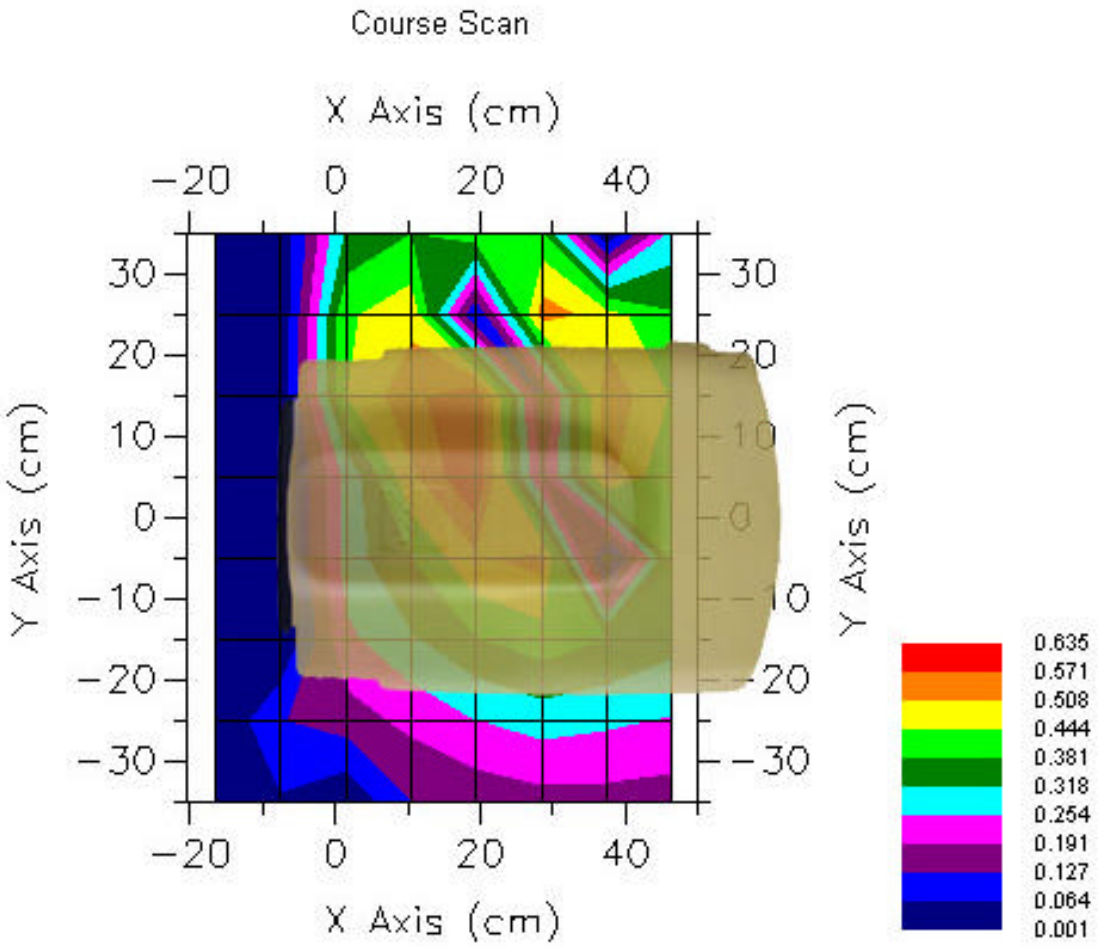
Graph 7

Exposure Type	Position	Holster Separation	L/M/H	Frequency (MHz)	1g SAR	10g SAR
Body	Keyboard Down	Holster	Middle	899.0125	0.95	0.43



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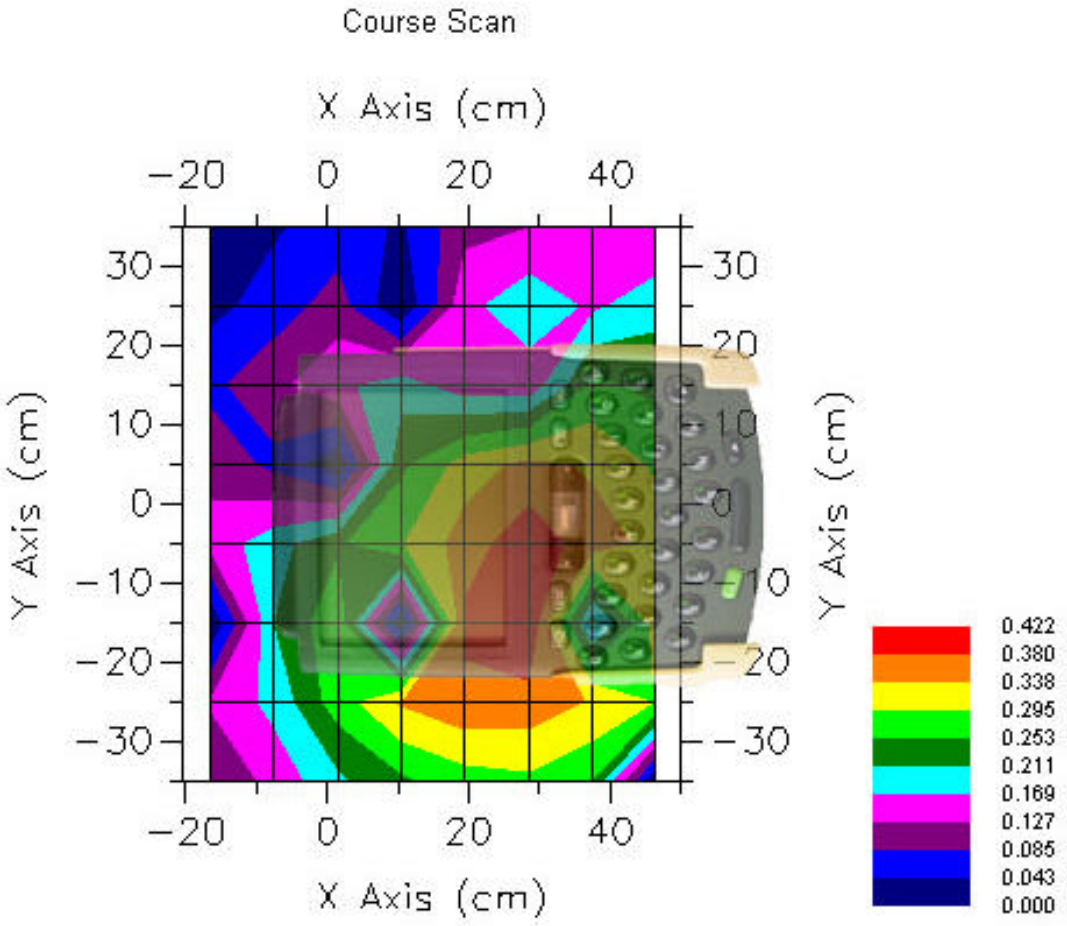
Graph 8

Exposure Type	Position	Holster Separation	L/M/H	Frequency (MHz)	1g SAR	10g SAR
Body	Keyboard Up	Holster	Low	896.0125	0.79	0.34



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