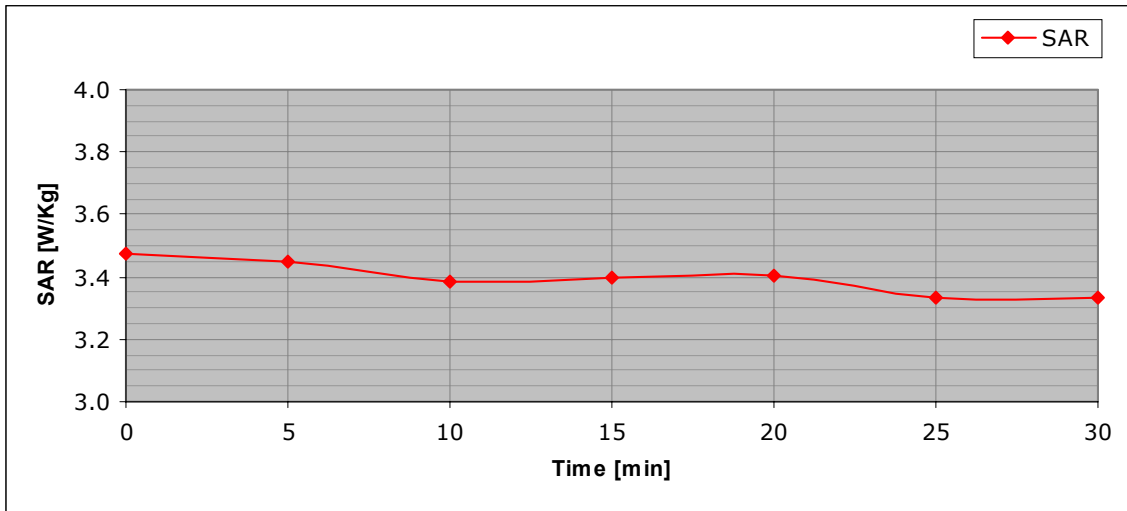


### 1. SAR vs Time

SAR near the vicinity of base of antenna in the target simulated tissue was measured during the period of 30 minutes. SAR measured after continuous exposure for 30 minutes was found to be dropped by -4.08 %.

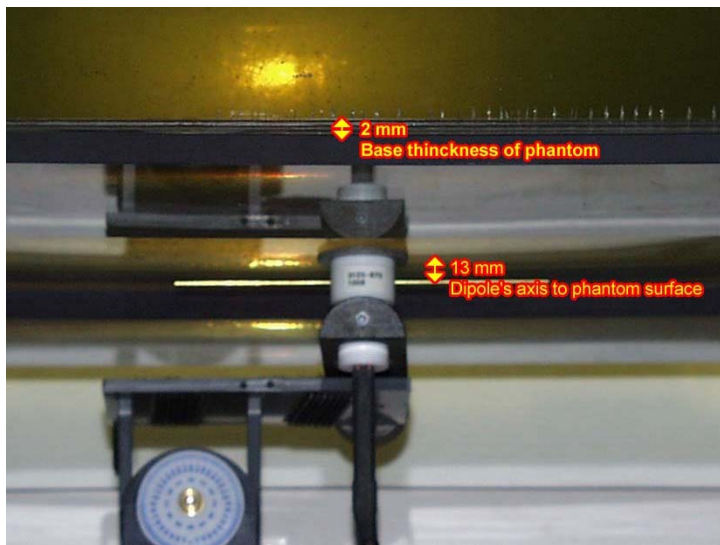


2. There are no accessories and this unit is not intended for body worn. Refer to the users manual for details of the EUT and for RF safety statement.

3. EUT was configured to **transmit the signal with 25 % duty cycle** since it can transmits only a few second with 100 % duty cycle then automatically shut down, and also it is limited on the network the radio modem is designed to be used in. (see RIM duty factor limiting algorithm letter in attestation folder)

4. See Additional Details Probe Calibration Procedure uploaded in “Test Report” folder

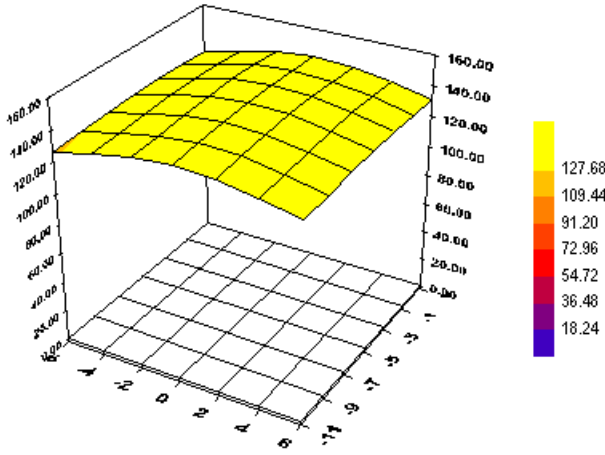
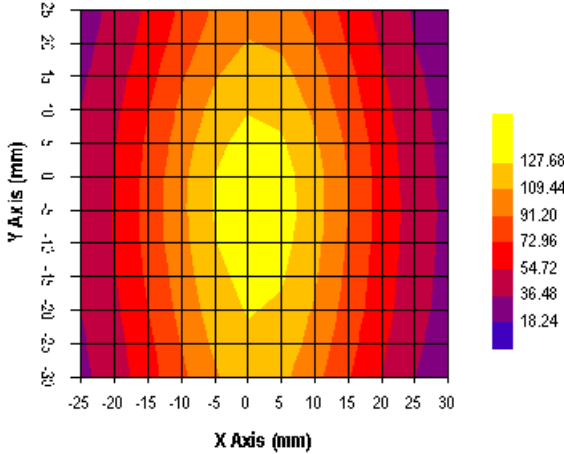
5. SAR validation setup photographs and plots:



< System validation setup >

The system was verified in the flat phantom ( $2.0\text{mm} \pm 0.2\text{mm}$  base thickness) using 835MHz dipole validation kit (M/N: 3125-870, S/N: 1008) manufactured by EMCO. A forward power of 1.0 W was fed to the dipole; the distance between the dipole axis and the liquid was maintained at 15mm as specified in IEEE Standards 1528.

Validation Kit	Target SAR (W/Kg) over 1g volume	SAR (W/Kg) over 1g volume
EMCO M/N:3125-870	9.5	9.719



The reference point (0, 0) was set to the feeding point of the dipole antenna in its projected image to the phantom surface

6. Flat phantom is composed of polycarbonate and its dielectric property is as shown below:

Dielectric Constant,  $10^6$  cycles : 2.98

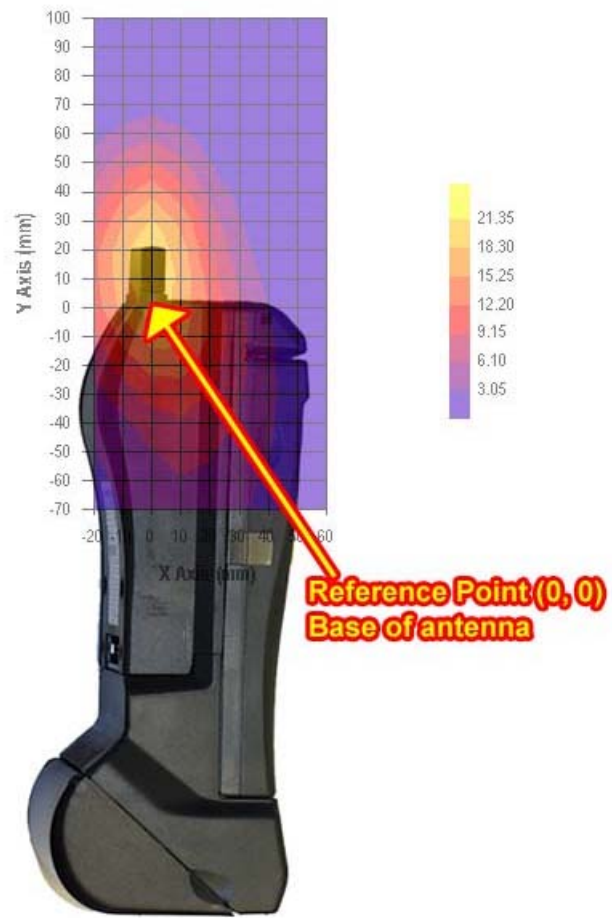
Dissipation (power) factor,  $10^6$  cycles : 0.01

7. Photographs of EUT with an overlay of the phantom grid.

The reference point (0, 0) in the plots was set to the point at the base of antenna of projected image of the EUT to the phantom surface.



< Back side of EUT faced toward the phantom >



< Right side of EUT faced toward the phantom >



< Top side of EUT faced toward the phantom >

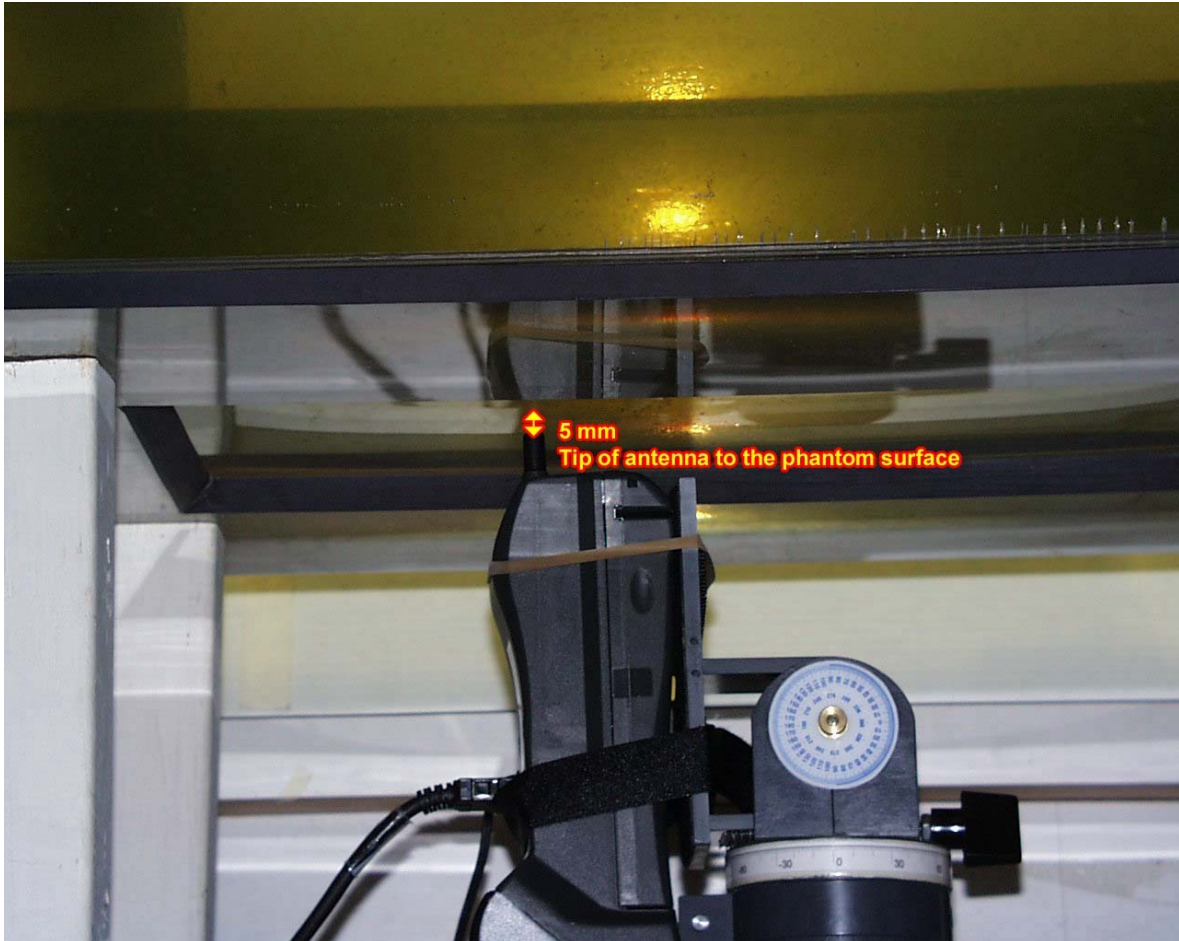
8. Photographs for the final SAR measurement setup



< Right side of EUT faced toward phantom, antenna fully extended and 10 mm separation >



< Back side of EUT faced toward phantom, antenna fully extended and 10 mm separation >



**< Top side of EUT faced toward phantom, antenna fully retracted and 5 mm separation >**

The revised titles of the test setup photographs in the report.

Pg 14. < Left side of EUT faced toward phantom and in contact >

Pg 15. < Front side of EUT faced toward phantom and in contact >

Pg 16. < Top side of EUT faced toward phantom and the tip of antenna in contact >

Pg 17. < Right side of EUT faced toward phantom, antenna fully retracted with the tip of it in contact with the phantom >

Pg 18. < Right side of EUT faced toward phantom , antenna fully extended with the tip of it in contact with the phantom >

Pg 19. < Back side of EUT faced toward phantom, antenna fully retracted with the tip of it in contact with the phantom >

PG 20. < Back side of EUT faced toward phantom, antenna fully extended with the tip of it in contact with the phantom >



9. The EUT is the final production model.

10. The RS-232 connection is required to place the RIM modem into transmitter test. The carrier is directly controlled from the personal computer software provided by RIM for regulatory compliance. The point-of-sales device cannot by itself, put the RIM module into a continuous transmit mode for testing and the RS-232 connection is required to carry out any transmitter test on this device.