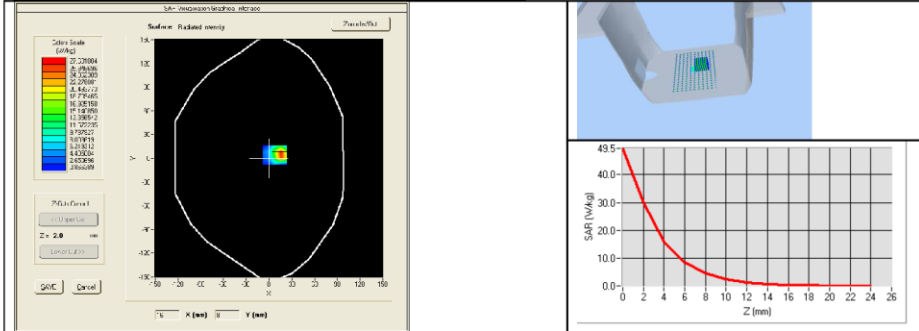
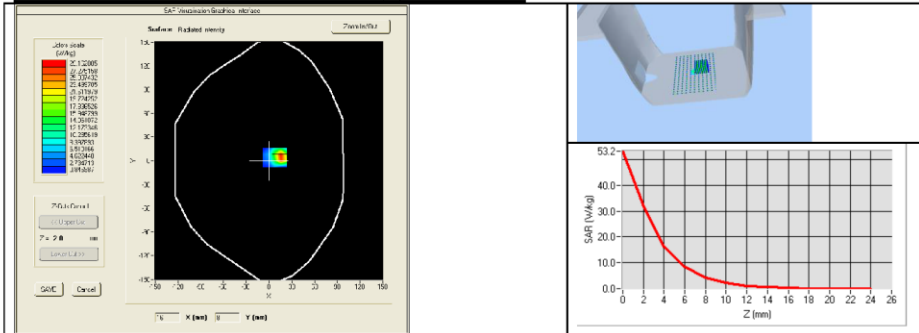


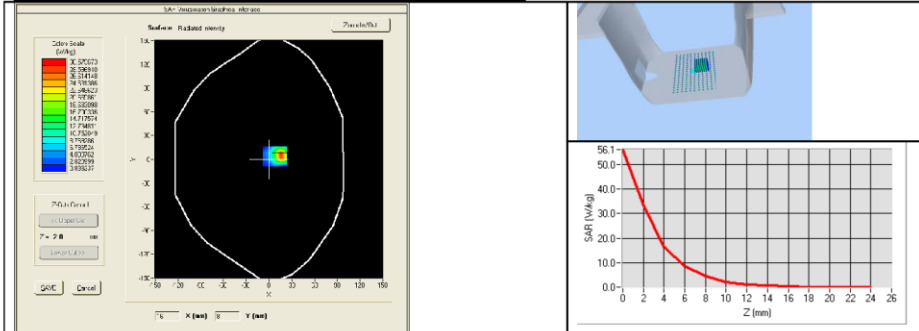
SAR MEASUREMENT PLOTS @ 5400 MHz



SAR MEASUREMENT PLOTS @ 5600 MHz



SAR MEASUREMENT PLOTS @ 5800 MHz



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7.3 BODY LIQUID MEASUREMENT

| Frequency MHz | Relative permittivity (ϵ_r') | | Conductivity (σ) S/m | |
|---------------|---|----------|-------------------------------|----------|
| | required | measured | required | measured |
| 5200 | 49.0 \pm 10 % | PASS | 5.30 \pm 10 % | PASS |
| 5300 | 48.9 \pm 10 % | | 5.42 \pm 10 % | |
| 5400 | 48.7 \pm 10 % | PASS | 5.53 \pm 10 % | PASS |
| 5500 | 48.6 \pm 10 % | | 5.65 \pm 10 % | |
| 5600 | 48.5 \pm 10 % | PASS | 5.77 \pm 10 % | PASS |
| 5800 | 48.2 \pm 10 % | PASS | 6.00 \pm 10 % | PASS |

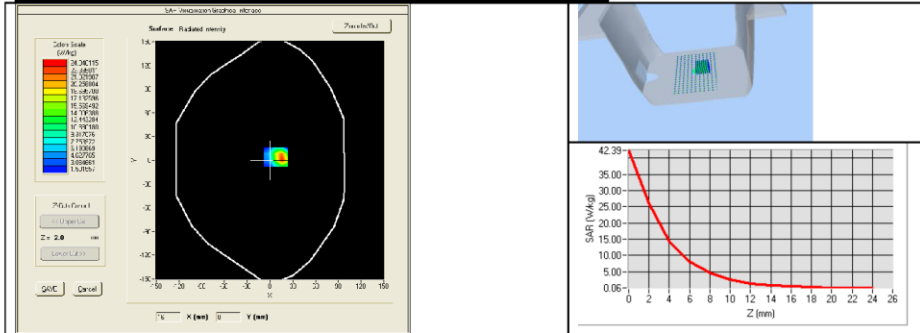
7.4 SAR MEASUREMENT RESULT WITH BODY LIQUID

| | |
|--|--|
| Software | OPENSAR V4 |
| Phantom | SN 20/09 SAM71 |
| Probe | SN 18/11 EPG122 |
| Liquid | Body Liquid Values 5200 MHz: ϵ_r' :49.02 sigma : 5.46 Body Liquid Values 5400 MHz: ϵ_r' :49.55 sigma : 5.53 Body Liquid Values 5600 MHz: ϵ_r' :47.60 sigma : 5.77 Body Liquid Values 5800 MHz: ϵ_r' :47.81 sigma : 6.12 |
| Distance between dipole waveguide and liquid | 0 mm |
| Area scan resolution | dx=8mm/dy=8mm |
| Zoon Scan Resolution | dx=4mm/dy=4m/dz=2mm |
| Frequency | 5200 MHz 5400 MHz 5600 MHz 5800 MHz |
| Input power | 20 dBm |
| Liquid Temperature | 21 °C |
| Lab Temperature | 21 °C |
| Lab Humidity | 45 % |

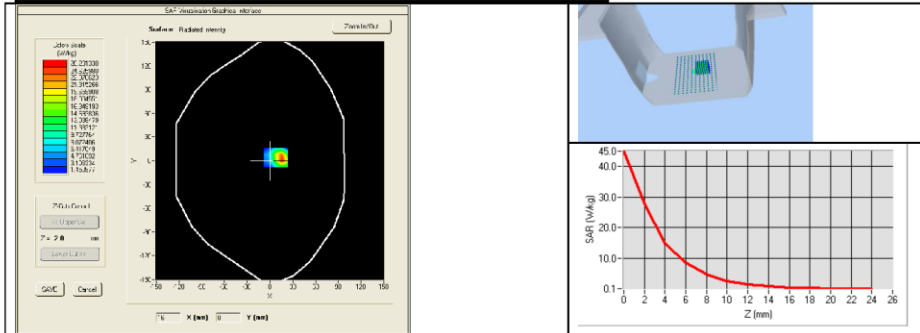
| Frequency (MHz) | 1 g SAR (W/kg) | 10 g SAR (W/kg) |
|-----------------|----------------|-----------------|
| | measured | measured |
| 5200 | 151.71 (15.17) | 53.57 (5.36) |
| 5400 | 158.06 (15.81) | 55.25 (5.53) |
| 5600 | 168.19 (16.82) | 58.19 (5.82) |
| 5800 | 171.13 (17.11) | 58.47 (5.85) |



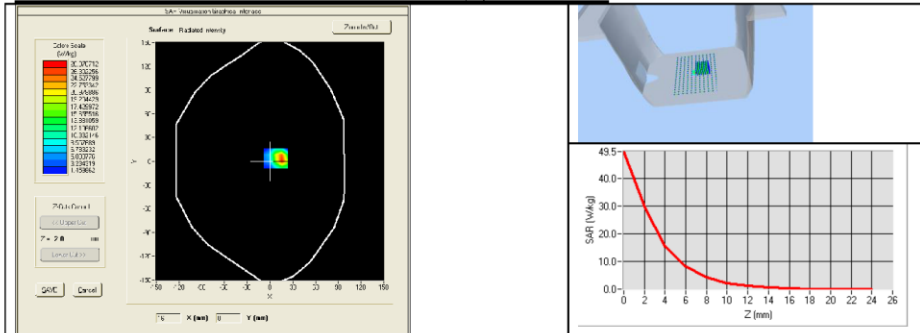
BODY SAR MEASUREMENT PLOTS @ 5200 MHz



BODY SAR MEASUREMENT PLOTS @ 5400 MHz



BODY SAR MEASUREMENT PLOTS @ 5600 MHz

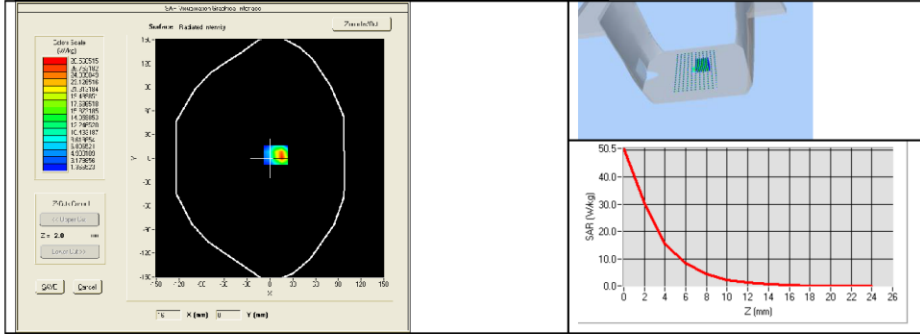


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BODY SAR MEASUREMENT PLOTS @ 5800 MHz



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8 LIST OF EQUIPMENT

| Equipment Summary Sheet | | | | |
|---------------------------------|----------------------|--------------------|---|---|
| Equipment Description | Manufacturer / Model | Identification No. | Current Calibration Date | Next Calibration Date |
| Flat Phantom | MVG | SN-20/09-SAM71 | Validated. No cal required. | Validated. No cal required. |
| COMOSAR Test Bench | Version 3 | NA | Validated. No cal required. | Validated. No cal required. |
| Network Analyzer | Rhode & Schwarz ZVA | SN100132 | 02/2019 | 02/2022 |
| Calipers | Carrera | CALIPER-01 | 01/2017 | 01/2020 |
| Reference Probe | MVG | EPG122 SN 18/11 | 10/2018 | 10/2019 |
| Multimeter | Keithley 2000 | 1188656 | 01/2017 | 01/2020 |
| Signal Generator | Agilent E4438C | MY49070581 | 01/2017 | 01/2020 |
| Amplifier | Aethercomm | SN 046 | Characterized prior to test. No cal required. | Characterized prior to test. No cal required. |
| Power Meter | HP E4418A | US38261498 | 01/2017 | 01/2020 |
| Power Sensor | HP ECP-E26A | US37181460 | 01/2017 | 01/2020 |
| Directional Coupler | Narda 4216-20 | 01386 | Characterized prior to test. No cal required. | Characterized prior to test. No cal required. |
| Temperature and Humidity Sensor | Control Company | 150798832 | 11/2017 | 11/2020 |

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