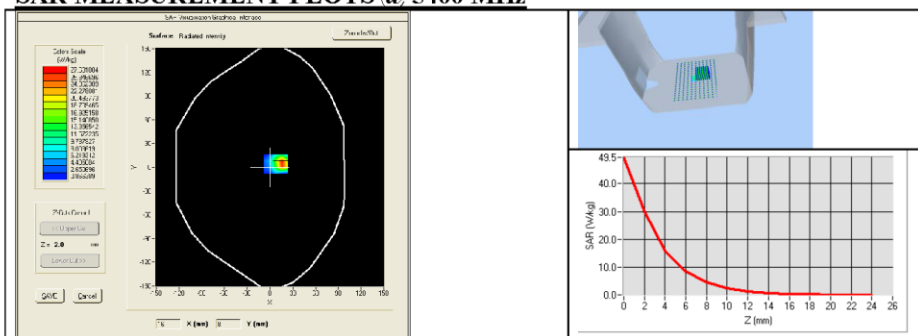
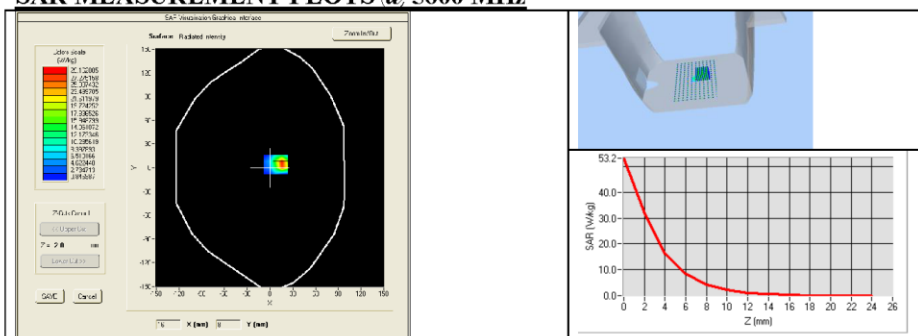


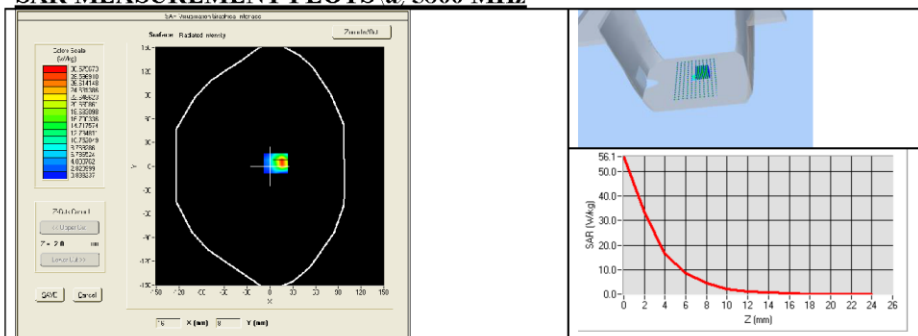
### SAR MEASUREMENT PLOTS @ 5400 MHz



### SAR MEASUREMENT PLOTS @ 5600 MHz



### SAR MEASUREMENT PLOTS @ 5800 MHz



### 7.3 BODY LIQUID MEASUREMENT

| Frequency<br>MHz | Relative permittivity ( $\epsilon_r'$ ) |          | Conductivity ( $\sigma$ ) 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: $\epsilon_r'$ :49.02 sigma : 5.46<br>Body Liquid Values 5400 MHz: $\epsilon_r'$ :49.55 sigma : 5.53<br>Body Liquid Values 5600 MHz: $\epsilon_r'$ :47.60 sigma : 5.77<br>Body Liquid Values 5800 MHz: $\epsilon_r'$ :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<br>5400 MHz<br>5600 MHz<br>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)    |

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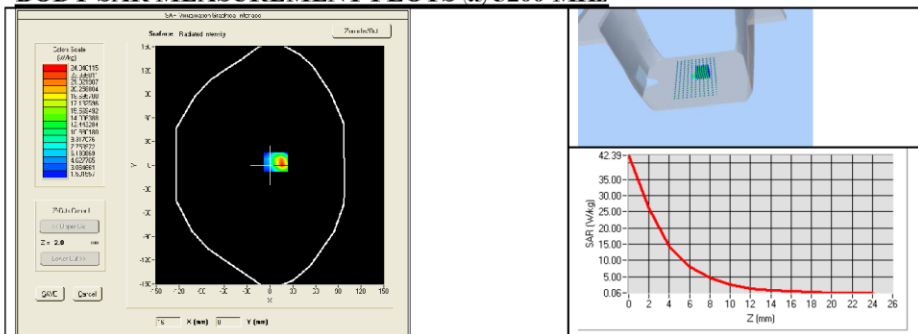
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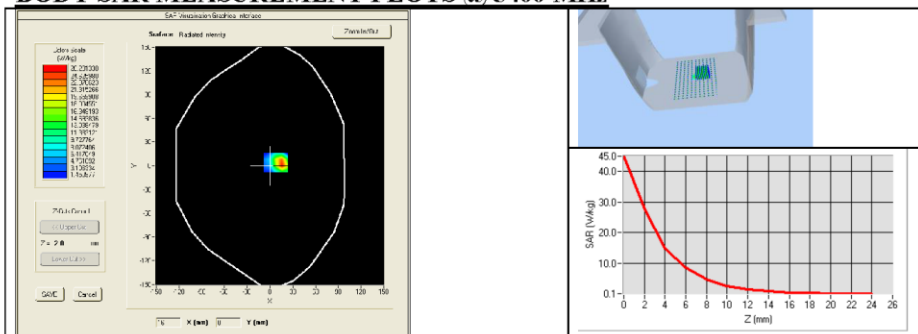
Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Web: http://cn.agc-cert.com/



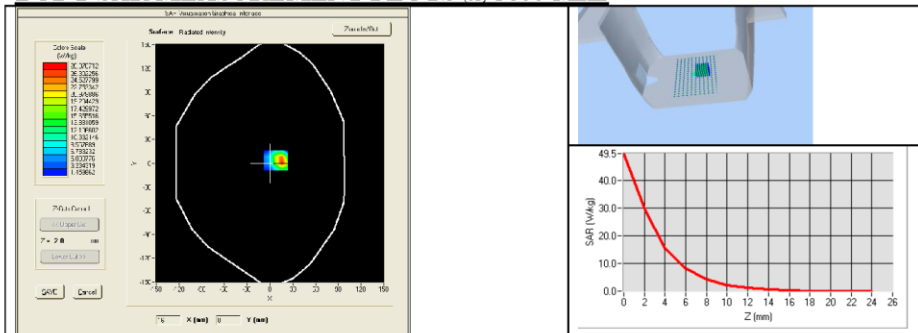
### BODY SAR MEASUREMENT PLOTS @ 5200 MHz



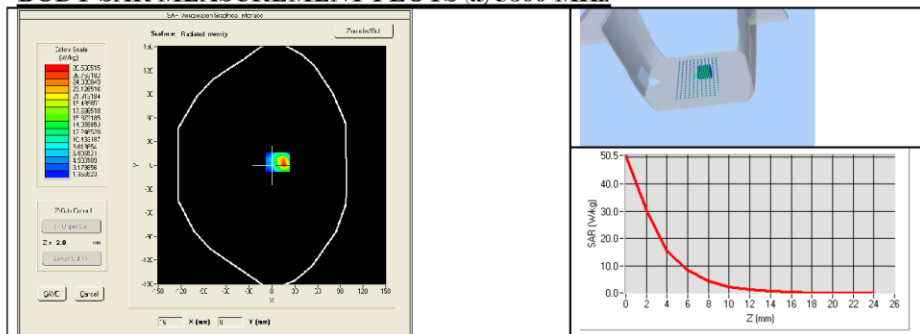
### BODY SAR MEASUREMENT PLOTS @ 5400 MHz



### BODY SAR MEASUREMENT PLOTS @ 5600 MHz



**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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