

## APPENDIX C: SAR TISSUE SPECIFICATIONS

### Measurement Procedure for Tissue verification:

- 1) The network analyzer and probe system was configured and calibrated.
- 2) The probe was immersed in the tissue. The tissue was placed in a nonmetallic container. Trapped air bubbles beneath the flange were minimized by placing the probe at a slight angle.
- 3) The complex admittance with respect to the probe aperture was measured
- 4) The complex relative permittivity  $\epsilon'$  can be calculated from the below equation (Pournaropoulos and Misra):

$$Y = \frac{j2\omega\epsilon_r\epsilon_0}{[\ln(b/a)]^2} \int_a^b \int_a^b \int_0^\pi \cos\phi' \frac{\exp[-j\omega r(\mu_0\epsilon_r'\epsilon_0)^{1/2}]}{r} d\phi' d\rho' d\rho$$

where  $Y$  is the admittance of the probe in contact with the sample, the primed and unprimed coordinates refer to source and observation points, respectively,  $r^2 = \rho^2 + \rho'^2 - 2\rho\rho'\cos\phi'$ ,  $\omega$  is the angular frequency, and  $j = \sqrt{-1}$ .

### 3 Composition / Information on ingredients

#### 3.2 Mixtures

**Description:** Aqueous solution with surfactants and inhibitors

**Declarable, or hazardous components:**

|                                                                        |                                                                                                                       |           |
|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------|
| CAS: 107-21-1<br>EINECS: 203-473-3<br>Reg.nr.: 01-2119456816-28-0000   | <b>Ethanediol</b><br>STOT RE 2, H373;<br>Acute Tox. 4, H302                                                           | >1.0-4.9% |
| CAS: 68608-26-4<br>EINECS: 271-781-5<br>Reg.nr.: 01-2119527859-22-0000 | <b>Sodium petroleum sulfonate</b><br>Eye Irrit. 2, H319                                                               | < 2.9%    |
| CAS: 107-41-5<br>EINECS: 203-489-0<br>Reg.nr.: 01-2119539582-35-0000   | <b>Hexylene Glycol / 2-Methyl-pentane-2,4-diol</b><br>Skin Irrit. 2, H315; Eye Irrit. 2, H319                         | < 2.9%    |
| CAS: 68920-66-1<br>NLP: 500-236-9<br>Reg.nr.: 01-2119489407-26-0000    | <b>Alkoxyated alcohol, &gt; C<sub>16</sub></b><br>Aquatic Chronic 2, H411;<br>Skin Irrit. 2, H315; Eye Irrit. 2, H319 | < 2.0%    |

#### Additional information:

For the wording of the listed risk phrases refer to section 16.

Not mentioned CAS-, EINECS- or registration numbers are to be regarded as Proprietary/Confidential.

The specific chemical identity and/or exact percentage concentration of proprietary components is withheld as a trade secret.

**Figure C-1**

Note: Liquid recipes are proprietary SPEAG. Since the composition is approximate to the actual liquids utilized, the manufacturer tissue-equivalent liquid data sheets are provided below.

|                               |                       |                                   |
|-------------------------------|-----------------------|-----------------------------------|
| FCC ID A3LSMF721U             | SAR EVALUATION REPORT | Approved by:<br>Technical Manager |
| DUT Type:<br>Portable Handset |                       | APPENDIX C:<br>Page 1 of 4        |

### Measurement Certificate / Material Test

|              |                                                |
|--------------|------------------------------------------------|
| Item Name    | Body Tissue Simulating Liquid (MBBL600-6000V6) |
| Product No.  | SL AAM U16 BC (Batch: 210621-3)                |
| Manufacturer | SPEAG                                          |

### Measurement Method

TSL dielectric parameters measured using calibrated DAK probe.

### Target Parameters

Target parameters as defined in the KDB 865664 compliance standard.

### Test Condition

Ambient Condition 22°C ; 30% humidity

TSL Temperature 22°C

Test Date 23-Jun-21

Operator WM

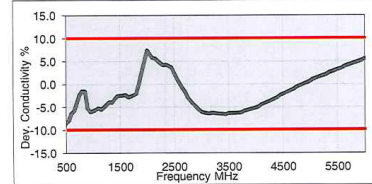
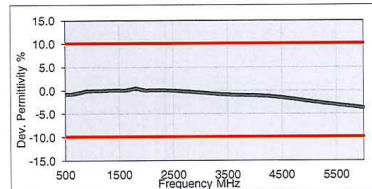
### Additional Information

TSL Density

TSL Heat-capacity

### Results

| f [MHz] | Measured |      |       | Target |       |  | Diff.to Target [%] |         |
|---------|----------|------|-------|--------|-------|--|--------------------|---------|
|         | e'       | e''  | sigma | eps    | sigma |  | Δ-eps              | Δ-sigma |
| 600     | 55.7     | 26.7 | 0.89  | 56.1   | 0.95  |  | -0.7               | -8.3    |
| 750     | 55.3     | 22.5 | 0.94  | 55.5   | 0.96  |  | -0.4               | -2.1    |
| 800     | 55.1     | 21.5 | 0.96  | 55.3   | 0.97  |  | -0.4               | -1.0    |
| 825     | 55.1     | 21.1 | 0.97  | 55.2   | 0.98  |  | -0.3               | -1.0    |
| 835     | 55.1     | 20.8 | 0.97  | 55.1   | 0.99  |  | 0.0                | -1.5    |
| 850     | 55.0     | 20.6 | 0.97  | 55.2   | 0.99  |  | -0.3               | -2.0    |
| 900     | 54.9     | 19.9 | 0.99  | 55.0   | 1.05  |  | -0.2               | -5.7    |
| 1400    | 54.1     | 15.9 | 1.24  | 54.1   | 1.28  |  | 0.0                | -3.1    |
| 1450    | 54.0     | 15.7 | 1.27  | 54.0   | 1.30  |  | 0.0                | -2.3    |
| 1600    | 53.8     | 15.3 | 1.36  | 53.8   | 1.39  |  | 0.0                | -2.2    |
| 1625    | 53.8     | 15.2 | 1.38  | 53.8   | 1.41  |  | 0.1                | -2.1    |
| 1640    | 53.8     | 15.2 | 1.39  | 53.7   | 1.42  |  | 0.1                | -2.1    |
| 1650    | 53.7     | 15.1 | 1.39  | 53.7   | 1.43  |  | 0.0                | -2.8    |
| 1700    | 53.7     | 15.0 | 1.42  | 53.6   | 1.46  |  | 0.3                | -2.7    |
| 1750    | 53.6     | 14.9 | 1.45  | 53.4   | 1.49  |  | 0.3                | -2.7    |
| 1800    | 53.5     | 14.9 | 1.49  | 53.3   | 1.52  |  | 0.4                | -2.0    |
| 1810    | 53.5     | 14.9 | 1.50  | 53.3   | 1.52  |  | 0.4                | -1.3    |
| 1825    | 53.5     | 14.8 | 1.51  | 53.3   | 1.52  |  | 0.4                | -0.7    |
| 1850    | 53.5     | 14.8 | 1.52  | 53.3   | 1.52  |  | 0.4                | 0.0     |
| 1900    | 53.4     | 14.8 | 1.56  | 53.3   | 1.52  |  | 0.2                | 2.6     |
| 1950    | 53.4     | 14.7 | 1.60  | 53.3   | 1.52  |  | 0.2                | 5.3     |
| 2000    | 53.3     | 14.7 | 1.63  | 53.3   | 1.52  |  | 0.0                | 7.2     |
| 2050    | 53.3     | 14.7 | 1.67  | 53.2   | 1.57  |  | 0.1                | 6.4     |
| 2100    | 53.2     | 14.7 | 1.71  | 53.2   | 1.62  |  | 0.1                | 5.6     |
| 2150    | 53.1     | 14.7 | 1.75  | 53.1   | 1.66  |  | 0.0                | 5.4     |
| 2200    | 53.1     | 14.7 | 1.80  | 53.0   | 1.71  |  | 0.1                | 5.3     |
| 2250    | 53.0     | 14.7 | 1.84  | 53.0   | 1.76  |  | 0.1                | 4.5     |
| 2300    | 52.9     | 14.7 | 1.88  | 52.9   | 1.81  |  | 0.0                | 3.9     |
| 2350    | 52.9     | 14.8 | 1.93  | 52.8   | 1.85  |  | 0.1                | 4.3     |
| 2400    | 52.8     | 14.8 | 1.98  | 52.8   | 1.90  |  | 0.1                | 4.2     |
| 2450    | 52.7     | 14.8 | 2.02  | 52.7   | 1.95  |  | 0.0                | 3.6     |
| 2500    | 52.6     | 14.9 | 2.07  | 52.6   | 2.02  |  | -0.1               | 2.5     |
| 2550    | 52.5     | 14.9 | 2.12  | 52.6   | 2.09  |  | -0.1               | 1.4     |
| 2600    | 52.5     | 15.0 | 2.16  | 52.5   | 2.16  |  | 0.0                | 0.0     |



|       |      |      |      |      |      |      |      |
|-------|------|------|------|------|------|------|------|
| 3500  | 50.9 | 15.9 | 3.10 | 51.3 | 3.31 | -0.9 | -6.3 |
| 3700  | 50.5 | 16.2 | 3.33 | 51.1 | 3.55 | -1.0 | -6.2 |
| 5200  | 47.7 | 18.6 | 5.39 | 49.0 | 5.30 | -2.6 | 1.7  |
| 5250  | 47.6 | 18.7 | 5.46 | 49.0 | 5.36 | -2.7 | 1.9  |
| 5300  | 47.5 | 18.8 | 5.54 | 48.9 | 5.42 | -2.8 | 2.2  |
| 5500  | 47.1 | 19.1 | 5.83 | 48.6 | 5.65 | -3.0 | 3.2  |
| 5600  | 46.9 | 19.2 | 5.98 | 48.5 | 5.77 | -3.2 | 3.6  |
| 5700  | 46.7 | 19.3 | 6.13 | 48.3 | 5.88 | -3.3 | 4.2  |
| 5800  | 46.5 | 19.4 | 6.27 | 48.2 | 6.00 | -3.5 | 4.6  |
| 6000  | 46.1 | 19.7 | 6.57 | 47.9 | 6.23 | -3.7 | 5.5  |
| 6500  |      |      |      |      |      |      |      |
| 7000  |      |      |      |      |      |      |      |
| 7500  |      |      |      |      |      |      |      |
| 8000  |      |      |      |      |      |      |      |
| 8500  |      |      |      |      |      |      |      |
| 9000  |      |      |      |      |      |      |      |
| 9500  |      |      |      |      |      |      |      |
| 10000 |      |      |      |      |      |      |      |

**Figure C-2**  
**600 – 6000 MHz Body Tissue Equivalent Matter**

|                               |                       |                                   |
|-------------------------------|-----------------------|-----------------------------------|
| FCC ID A3LSMF721U             | SAR EVALUATION REPORT | Approved by:<br>Technical Manager |
| DUT Type:<br>Portable Handset |                       | APPENDIX C:<br>Page 2 of 4        |

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### Measurement Certificate / Material Test

|              |                                                 |
|--------------|-------------------------------------------------|
| Item Name    | Head Tissue Simulating Liquid (HBBL600-10000V6) |
| Product No.  | SL AAH U16 BC (Batch: 210629-3)                 |
| Manufacturer | SPEAG                                           |

### Measurement Method

TSL dielectric parameters measured using calibrated DAK probe.

### Target Parameters

Target parameters as defined in the IEEE 1528 and IEC 62209 compliance standards.

### Test Condition

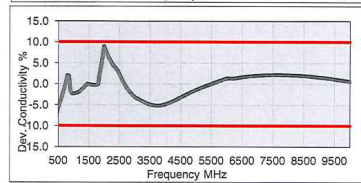
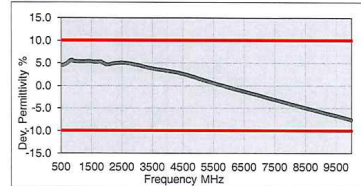
Ambient Condition 22°C ; 30% humidity  
TSL Temperature 22°C  
Test Date 1-Jul-21  
Operator WM

### Additional Information

TSL Density  
TSL Heat-capacity

### Results

| f [MHz] | Measured |      |       | Target |       | Diff.to Target [%] |         |
|---------|----------|------|-------|--------|-------|--------------------|---------|
|         | e'       | e''  | sigma | eps    | sigma | Δ-eps              | Δ-sigma |
| 600     | 44.7     | 25.5 | 0.85  | 42.7   | 0.88  | 4.6                | -3.6    |
| 750     | 44.1     | 21.6 | 0.90  | 41.9   | 0.89  | 5.1                | 0.7     |
| 800     | 44.0     | 20.6 | 0.92  | 41.7   | 0.90  | 5.6                | 2.5     |
| 825     | 44.0     | 20.2 | 0.93  | 41.6   | 0.91  | 5.8                | 2.6     |
| 835     | 44.0     | 20.0 | 0.93  | 41.5   | 0.91  | 5.9                | 2.0     |
| 850     | 43.9     | 19.8 | 0.93  | 41.5   | 0.92  | 5.8                | 1.5     |
| 900     | 43.8     | 19.0 | 0.95  | 41.5   | 0.97  | 5.5                | -2.1    |
| 1400    | 42.8     | 15.1 | 1.18  | 40.6   | 1.18  | 5.4                | 0.0     |
| 1450    | 42.7     | 14.9 | 1.20  | 40.5   | 1.20  | 5.4                | 0.0     |
| 1600    | 42.4     | 14.4 | 1.28  | 40.3   | 1.28  | 5.2                | -0.3    |
| 1625    | 42.4     | 14.3 | 1.30  | 40.3   | 1.30  | 5.3                | 0.1     |
| 1640    | 42.4     | 14.3 | 1.31  | 40.3   | 1.31  | 5.3                | 0.3     |
| 1650    | 42.3     | 14.3 | 1.31  | 40.2   | 1.31  | 5.1                | -0.2    |
| 1700    | 42.3     | 14.2 | 1.34  | 40.2   | 1.34  | 5.3                | -0.2    |
| 1750    | 42.2     | 14.1 | 1.37  | 40.1   | 1.37  | 5.3                | -0.1    |
| 1800    | 42.1     | 14.0 | 1.40  | 40.0   | 1.40  | 5.3                | 0.0     |
| 1810    | 42.1     | 13.9 | 1.41  | 40.0   | 1.40  | 5.3                | 0.7     |
| 1825    | 42.1     | 13.9 | 1.42  | 40.0   | 1.40  | 5.3                | 1.4     |
| 1850    | 42.0     | 13.9 | 1.43  | 40.0   | 1.40  | 5.0                | 2.1     |
| 1900    | 42.0     | 13.8 | 1.46  | 40.0   | 1.40  | 5.0                | 4.3     |
| 1950    | 41.9     | 13.8 | 1.49  | 40.0   | 1.40  | 4.7                | 6.4     |
| 2000    | 41.8     | 13.7 | 1.53  | 40.0   | 1.40  | 4.5                | 9.3     |
| 2050    | 41.8     | 13.7 | 1.56  | 39.9   | 1.44  | 4.7                | 8.0     |
| 2100    | 41.7     | 13.7 | 1.59  | 39.8   | 1.49  | 4.7                | 6.8     |
| 2150    | 41.6     | 13.6 | 1.63  | 39.7   | 1.53  | 4.7                | 6.3     |
| 2200    | 41.6     | 13.6 | 1.67  | 39.6   | 1.58  | 4.9                | 5.8     |
| 2250    | 41.5     | 13.6 | 1.70  | 39.6   | 1.62  | 4.9                | 4.8     |
| 2300    | 41.4     | 13.6 | 1.74  | 39.5   | 1.67  | 4.9                | 4.4     |
| 2350    | 41.3     | 13.6 | 1.78  | 39.4   | 1.71  | 4.9                | 4.0     |
| 2400    | 41.3     | 13.6 | 1.82  | 39.3   | 1.76  | 5.1                | 3.7     |
| 2450    | 41.2     | 13.6 | 1.86  | 39.2   | 1.80  | 5.1                | 3.3     |
| 2500    | 41.1     | 13.6 | 1.90  | 39.1   | 1.85  | 5.0                | 2.5     |
| 2550    | 41.0     | 13.7 | 1.94  | 39.1   | 1.91  | 4.9                | 1.6     |
| 2600    | 41.0     | 13.7 | 1.98  | 39.0   | 1.96  | 5.1                | 0.8     |



|       |      |      |       |      |       |      |      |
|-------|------|------|-------|------|-------|------|------|
| 3500  | 39.4 | 14.2 | 2.77  | 37.9 | 2.91  | 3.8  | -4.9 |
| 3700  | 39.0 | 14.4 | 2.96  | 37.7 | 3.12  | 3.6  | -5.2 |
| 5200  | 36.4 | 16.0 | 4.62  | 36.0 | 4.66  | 1.2  | -0.8 |
| 5250  | 36.3 | 16.0 | 4.68  | 35.9 | 4.71  | 1.1  | -0.7 |
| 5300  | 36.2 | 16.1 | 4.73  | 35.9 | 4.76  | 1.0  | -0.5 |
| 5500  | 35.9 | 16.2 | 4.96  | 35.6 | 4.96  | 0.6  | 0.0  |
| 5600  | 35.7 | 16.3 | 5.08  | 35.5 | 5.07  | 0.4  | 0.3  |
| 5700  | 35.5 | 16.4 | 5.20  | 35.4 | 5.17  | 0.2  | 0.6  |
| 5800  | 35.3 | 16.5 | 5.31  | 35.3 | 5.27  | 0.0  | 0.8  |
| 6000  | 34.9 | 16.6 | 5.55  | 35.1 | 5.48  | -0.4 | 1.4  |
| 6500  | 34.0 | 17.1 | 6.17  | 34.5 | 6.07  | -1.3 | 1.6  |
| 7000  | 33.1 | 17.4 | 6.78  | 33.9 | 6.65  | -2.2 | 2.0  |
| 7500  | 32.3 | 17.7 | 7.40  | 33.3 | 7.24  | -3.1 | 2.2  |
| 8000  | 31.4 | 18.0 | 8.01  | 32.7 | 7.84  | -4.1 | 2.1  |
| 8500  | 30.5 | 18.2 | 8.62  | 32.1 | 8.45  | -5.0 | 2.0  |
| 9000  | 29.7 | 18.4 | 9.22  | 31.5 | 9.08  | -5.9 | 1.6  |
| 9500  | 28.9 | 18.6 | 9.82  | 31.0 | 9.71  | -6.7 | 1.2  |
| 10000 | 28.1 | 18.7 | 10.42 | 30.4 | 10.36 | -7.6 | 0.6  |

**Figure C-3**  
**600 – 10000 MHz Head Tissue Equivalent Matter**

|                               |                       |                                   |
|-------------------------------|-----------------------|-----------------------------------|
| FCC ID A3LSMF721U             | SAR EVALUATION REPORT | Approved by:<br>Technical Manager |
| DUT Type:<br>Portable Handset |                       | APPENDIX C:<br>Page 3 of 4        |

Measurement Certificate / Material Test

|              |                                             |
|--------------|---------------------------------------------|
| Item Name    | Head Tissue Simulating Liquid (HBBL4-250V3) |
| Product No.  | SL AAH 005 AD (Batch: 210601-1)             |
| Manufacturer | SPEAG                                       |

Measurement Method

TSL dielectric parameters measured using calibrated DAK probe.

Setup Validation

Validation results were within  $\pm 2.5\%$  towards the target values of Methanol.

Target Parameters

Target parameters as defined in the IEEE 1528 and IEC 62209 compliance standards.

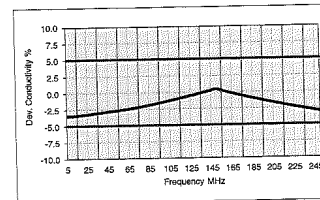
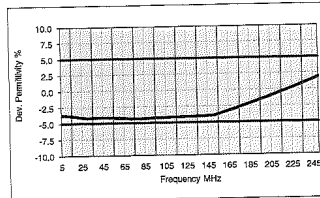
Test Condition

|                 |                                                                             |
|-----------------|-----------------------------------------------------------------------------|
| Ambient         | Environment temperatur ( $22 \pm 3^\circ\text{C}$ ) and humidity $< 70\%$ . |
| TSL Temperature | 22°C                                                                        |
| Test Date       | 3-Jun-21                                                                    |
| Operator        | WM                                                                          |

Additional Information

|                   |                 |
|-------------------|-----------------|
| TSL Density       | 1.042 g/cm3     |
| TSL Heat-capacity | 3.574 kJ/(kg*K) |

| f (MHz) | Measured $\epsilon'$ | Measured $\epsilon''$ | Target $\epsilon'$ | Target $\epsilon''$ | Diff. to Target (%) $\Delta\epsilon'$ | Diff. to Target (%) $\Delta\epsilon''$ |
|---------|----------------------|-----------------------|--------------------|---------------------|---------------------------------------|----------------------------------------|
| 5       | 53.0                 | 2693.50               | 55.0               | 0.75                | -3.6                                  | -4.0                                   |
| 10      | 52.9                 | 1301.62               | 55.0               | 0.75                | -3.8                                  | -4.0                                   |
| 15      | 52.9                 | 868.41                | 55.0               | 0.75                | -3.8                                  | -4.0                                   |
| 20      | 52.8                 | 651.89                | 55.0               | 0.75                | -4.0                                  | -2.7                                   |
| 25      | 52.8                 | 521.90                | 55.0               | 0.75                | -4.0                                  | -2.7                                   |
| 30      | 52.7                 | 435.92                | 55.0               | 0.75                | -4.2                                  | -2.7                                   |
| 35      | 52.6                 | 375.51                | 54.9               | 0.75                | -4.2                                  | -2.7                                   |
| 40      | 52.5                 | 327.19                | 54.8               | 0.75                | -4.2                                  | -2.7                                   |
| 45      | 52.4                 | 291.20                | 54.7               | 0.75                | -4.1                                  | -2.7                                   |
| 50      | 52.3                 | 262.44                | 54.6               | 0.75                | -4.1                                  | -2.7                                   |
| 55      | 52.2                 | 238.95                | 54.4               | 0.75                | -4.1                                  | -2.8                                   |
| 60      | 52.1                 | 219.39                | 54.3               | 0.75                | -4.1                                  | -2.9                                   |
| 65      | 51.9                 | 202.87                | 54.2               | 0.75                | -4.3                                  | -2.9                                   |
| 70      | 51.8                 | 188.72                | 54.1               | 0.75                | -4.3                                  | -3.0                                   |
| 75      | 51.6                 | 176.48                | 54.0               | 0.75                | -4.4                                  | -1.7                                   |
| 80      | 51.5                 | 165.78                | 53.9               | 0.75                | -4.4                                  | -1.7                                   |
| 85      | 51.5                 | 156.34                | 53.8               | 0.75                | -4.2                                  | -1.6                                   |
| 90      | 51.4                 | 147.97                | 53.7               | 0.75                | -4.2                                  | -1.9                                   |
| 95      | 51.3                 | 140.49                | 53.5               | 0.75                | -4.2                                  | -1.9                                   |
| 100     | 51.2                 | 133.76                | 53.4               | 0.75                | -4.2                                  | -2.0                                   |
| 105     | 51.1                 | 127.68                | 53.3               | 0.76                | -4.1                                  | -0.7                                   |
| 110     | 51.0                 | 122.16                | 53.2               | 0.76                | -4.1                                  | -0.7                                   |
| 115     | 50.9                 | 117.13                | 53.1               | 0.76                | -4.1                                  | -0.8                                   |
| 120     | 50.8                 | 112.52                | 53.0               | 0.76                | -4.1                                  | -0.9                                   |
| 125     | 50.7                 | 108.28                | 52.9               | 0.76                | -4.1                                  | -0.9                                   |
| 130     | 50.6                 | 104.37                | 52.8               | 0.76                | -4.1                                  | -1.0                                   |
| 135     | 50.5                 | 100.76                | 52.6               | 0.76                | -4.1                                  | 0.3                                    |
| 140     | 50.4                 | 97.41                 | 52.5               | 0.76                | -4.1                                  | 0.2                                    |
| 145     | 50.3                 | 94.30                 | 52.4               | 0.76                | -4.0                                  | 0.2                                    |
| 150     | 50.2                 | 91.39                 | 52.3               | 0.76                | -4.0                                  | 0.1                                    |
| 155     | 50.1                 | 88.60                 | 52.1               | 0.76                | -3.8                                  | -0.3                                   |
| 160     | 50.0                 | 86.14                 | 51.8               | 0.77                | -3.5                                  | 0.5                                    |
| 165     | 50.0                 | 83.79                 | 51.6               | 0.77                | -3.1                                  | 0.0                                    |
| 170     | 49.9                 | 81.51                 | 51.4               | 0.77                | -2.9                                  | -0.5                                   |
| 175     | 49.8                 | 79.40                 | 51.1               | 0.78                | -2.6                                  | -0.9                                   |
| 180     | 49.7                 | 77.41                 | 50.9               | 0.78                | -2.4                                  | -0.1                                   |
| 185     | 49.6                 | 75.52                 | 50.7               | 0.78                | -2.1                                  | -0.6                                   |
| 190     | 49.5                 | 73.74                 | 50.4               | 0.79                | -1.8                                  | -1.0                                   |
| 195     | 49.4                 | 72.08                 | 50.2               | 0.79                | -1.6                                  | -1.5                                   |
| 200     | 49.3                 | 70.46                 | 50.0               | 0.80                | -1.3                                  | -2.0                                   |
| 205     | 49.2                 | 68.94                 | 49.7               | 0.80                | -1.1                                  | -1.2                                   |
| 210     | 49.2                 | 67.49                 | 49.5               | 0.80                | -0.6                                  | -1.6                                   |
| 215     | 49.1                 | 66.11                 | 49.3               | 0.81                | -0.3                                  | -2.1                                   |
| 220     | 49.0                 | 64.80                 | 49.0               | 0.81                | -0.1                                  | -2.5                                   |
| 225     | 48.9                 | 63.55                 | 48.8               | 0.81                | 0.2                                   | -1.7                                   |
| 230     | 48.8                 | 62.35                 | 48.6               | 0.82                | 0.5                                   | -2.1                                   |
| 235     | 48.8                 | 61.20                 | 48.3               | 0.82                | 1.0                                   | -2.6                                   |
| 240     | 48.7                 | 60.11                 | 48.1               | 0.82                | 1.2                                   | -3.0                                   |
| 245     | 48.6                 | 59.05                 | 47.9               | 0.83                | 1.5                                   | -3.4                                   |
| 250     | 48.5                 | 58.05                 | 47.5               | 0.83                | 1.8                                   | -2.7                                   |



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Figure C-4  
 5 – 250 MHz Head Tissue Equivalent Matter

|                               |                       |                                   |
|-------------------------------|-----------------------|-----------------------------------|
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| DUT Type:<br>Portable Handset |                       | APPENDIX C:<br>Page 4 of 4        |