

Add: No.51 Xueyuan Road, Haidian District, Beijing, 100191, China Tel: +86-10-62304633-2512 Fax: +86-10-62304633-2504 E-mail: cttl@chinattl.com Http://www.chinattl.cn

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3982

Basic Calibration Parameters

| | Sensor X | Sensor Y | Sensor Z | Unc (k=2) | |
|-------------------------|----------|----------|----------|-----------|--|
| $Norm(\mu V/(V/m)^2)^A$ | 0.55 | 0.56 | 0.50 | ±10.0% | |
| DCP(mV)B | 102.2 | 104.8 | 102.5 | | |

Modulation Calibration Parameters

| UID | Communication | | A | В | C | D | VR | Unc ^E (<i>k</i> =2) |
|-----|---------------|---|-----|------|-----|------------|-------|------------------------------------|
| | System Name | | dB | dBõV | | dB | mV | |
| 0 | CW | X | 0.0 | 0.0 | 1.0 | 0.00 | 176.8 | ±2.3% |
| | 37.2 | Y | 0.0 | 0.0 | 1.0 | | 181.5 | |
| | | Z | 0.0 | 0.0 | 1.0 | A RESTAURA | 167.8 | |

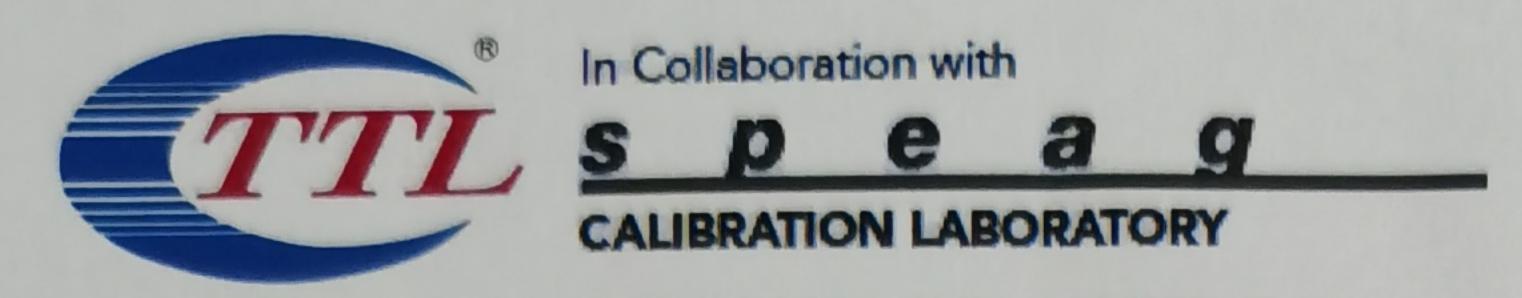
The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor k=2, which for a normal distribution Corresponds to a coverage probability of approximately 95%.

Probe shall not be used for SAR compliance testing if measured SAR value of the DUT is below 0.025 mW/g.

A The uncertainties of Norm X, Y, Z do not affect the E2-field uncertainty inside TSL (see Page 4).

^B Numerical linearization parameter: uncertainty not required.

^E Uncertainly is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.



Add: No.51 Xueyuan Road, Haidian District, Beijing, 100191, China Tel: +86-10-62304633-2512 Fax: +86-10-62304633-2504 E-mail: cttl@chinattl.com Http://www.chinattl.cn

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3982

Calibration Parameter Determined in Head Tissue Simulating Media

| f [MHz]C | Relative Permittivity F | Conductivity (S/m) F | ConvF X | ConvF Y | ConvF Z | Alpha ^G | Depth ^G (mm) | Unct. (k=2) |
|----------|----------------------------|----------------------|---------|---------|---------|--------------------|-------------------------|----------------|
| 750 | 41.9 | 0.89 | 10.73 | 10.73 | 10.73 | 0.40 | 0.75 | 士12.1% |
| 835 | 41.5 | 0.90 | 10.32 | 10.32 | 10.32 | 0.28 | 1.03 | ±12.1% |
| 1750 | 40.1 | 1.37 | 8.78 | 8.78 | 8.78 | 0.22 | 1.05 | 士12.1% |
| 1900 | 40.0 | 1.40 | 8.40 | 8.40 | 8.40 | 0.26 | 0.98 | ±12.1% |
| 3300 | 38.2 | 2.71 | 7.41 | 7.41 | 7.41 | 0.40 | 1.01 | ±13.3% |
| 3500 | 37.9 | 2.91 | 7.10 | 7.10 | 7.10 | 0.45 | 0.93 | ±13.3% |
| 3700 | 37.7 | 3.12 | 6.78 | 6.78 | 6.78 | 0.41 | 1.05 | ±13.3% |
| 4100 | 37.2 | 3.53 | 6.71 | 6.71 | 6.71 | 0.40 | 1.20 | ±13.3% |
| 4400 | 36.9 | 3.84 | 6.48 | 6.48 | 6.48 | 0.35 | 1.35 | ±13.3% |
| 4600 | 36.7 | 4.04 | 6.34 | 6.34 | 6.34 | 0.45 | 1.25 | ±13.3% |
| 4800 | 36.4 | 4.25 | 6.30 | 6.30 | 6.30 | 0.45 | 1.30 | ±13.3% |
| 4950 | 36.3 | 4.40 | 5.99 | 5.99 | 5.99 | 0.45 | 1.30 | ±13.3% |
| 5250 | 35.9 | 4.71 | 5.70 | 5.70 | 5.70 | 0.45 | 1.30 | ±13.3% |
| 5600 | 35.5 | 5.07 | 5.12 | 5.12 | 5.12 | 0.50 | 1.20 | ±13.3% |
| 5750 | 35.4 | 5.22 | 5.14 | 5.14 | 5.14 | 0.50 | 1.20 | ±13.3% |

^c Frequency validity above 300 MHz of ±100MHz only applies for DASY v4.4 and higher (Page 2), else it is restricted to ±50MHz. The uncertainty is the RSS of ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to ± 110 MHz.

FAt frequency below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to $\pm 10\%$ if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ϵ and σ) is restricted to $\pm 5\%$. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for the frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.