



## System Validation

**Probe 1787\_DAE495\_750MHz\_Body\_121120**

| System Validation - D750V3-SN:1012 |             |                           |                               |                                  |                                      |                        |                            |       |     |
|------------------------------------|-------------|---------------------------|-------------------------------|----------------------------------|--------------------------------------|------------------------|----------------------------|-------|-----|
| Frequency (MHz)                    | Liquid Type | Conductivity ( $\sigma$ ) | Permittivity ( $\epsilon_r$ ) | Conductivity Target ( $\sigma$ ) | Permittivity Target ( $\epsilon_r$ ) | Delta ( $\sigma$ ) (%) | Delta ( $\epsilon_r$ ) (%) | Probe | DAE |
| 750                                | Body        | 0.962                     | 55.754                        | 0.96                             | 55.5                                 | 0.21                   | 0.46                       | 1787  | 495 |

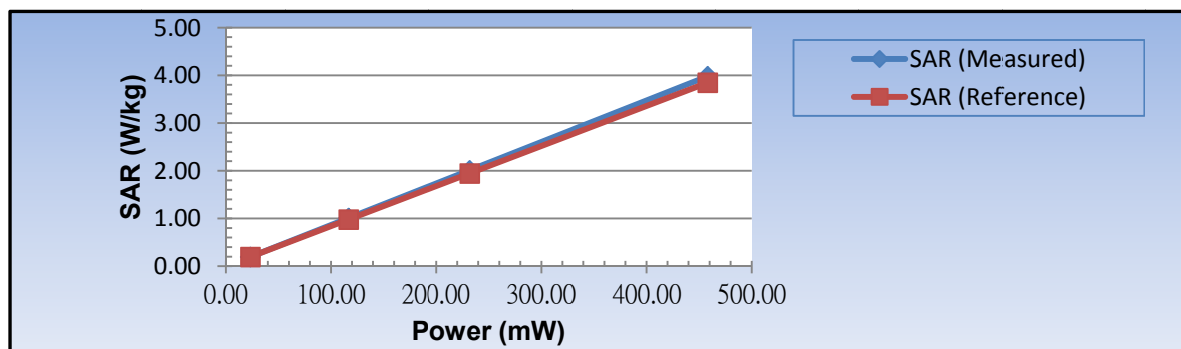
| System Validation - D750V3-SN:1012 |            |                     |                   |                 |                          |                      |               |                      |      |
|------------------------------------|------------|---------------------|-------------------|-----------------|--------------------------|----------------------|---------------|----------------------|------|
| Section                            | Multimeter | Measured SAR (W/kg) | Power Meter (dBm) | Power Meter (W) | 1W Normalized SAR (W/kg) | 1W Target SAR (W/kg) | Deviation (%) | Deviation Target (%) | Cube |
| 3.3.2 Step 1 CW                    |            | 3.85                | 26.04             | 0.40179         | 9.58                     | 8.86                 | 8.15          | 10                   | 1g   |
|                                    |            | 2.56                | 26.04             | 0.40179         | 6.37                     | 5.91                 | 7.81          | 10                   | 10g  |
| 3.3.2 Step 2 CW                    | 0.20       |                     | 13.66             | 0.02323         |                          |                      |               |                      |      |
|                                    | 1.01       |                     | 20.67             | 0.11668         |                          |                      |               |                      |      |
|                                    | 2.01       |                     | 23.65             | 0.23174         |                          |                      |               |                      |      |
|                                    | 3.98       |                     | 26.61             | 0.45814         |                          |                      |               |                      |      |
| 3.3.2 Step 3 CW                    | 1.60       |                     | 22.66             | 0.18450         |                          |                      |               |                      |      |

## System Validation

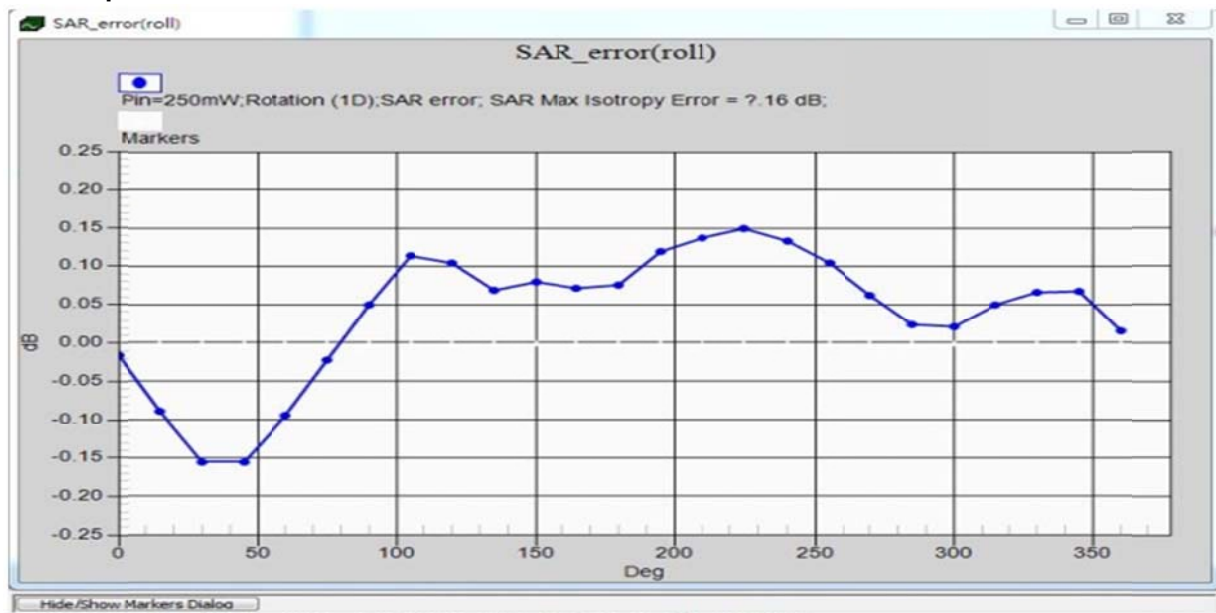
Probe 1787\_DAE495\_750MHz\_Body\_121120

### 3.3.2 Step 2 CW

|                         |       |        |        |        |
|-------------------------|-------|--------|--------|--------|
| Average Power (mW)      | 23.23 | 116.68 | 231.74 | 458.14 |
| Single Point SAR (W/kg) | 0.20  | 1.01   | 2.01   | 3.98   |
| Reference Line (W/kg)   | 0.20  | 0.98   | 1.95   | 3.85   |
| Deviation (%)           | 0.00% | 2.90%  | 3.26%  | 3.48%  |



### 3.3.2 Step 3 CW



## System Validation

### Probe 3270\_DAE778\_835MHz\_Body\_121122

| System Validation - D835V2 SN499 |             |                           |                               |                                  |                                      |                        |                            |       |     |
|----------------------------------|-------------|---------------------------|-------------------------------|----------------------------------|--------------------------------------|------------------------|----------------------------|-------|-----|
| Frequency (MHz)                  | Liquid Type | Conductivity ( $\sigma$ ) | Permittivity ( $\epsilon_r$ ) | Conductivity Target ( $\sigma$ ) | Permittivity Target ( $\epsilon_r$ ) | Delta ( $\sigma$ ) (%) | Delta ( $\epsilon_r$ ) (%) | Probe | DAE |
| 835                              | Body        | 0.963                     | 53.551                        | 0.97                             | 55.2                                 | -0.72                  | -2.99                      | 3270  | 778 |

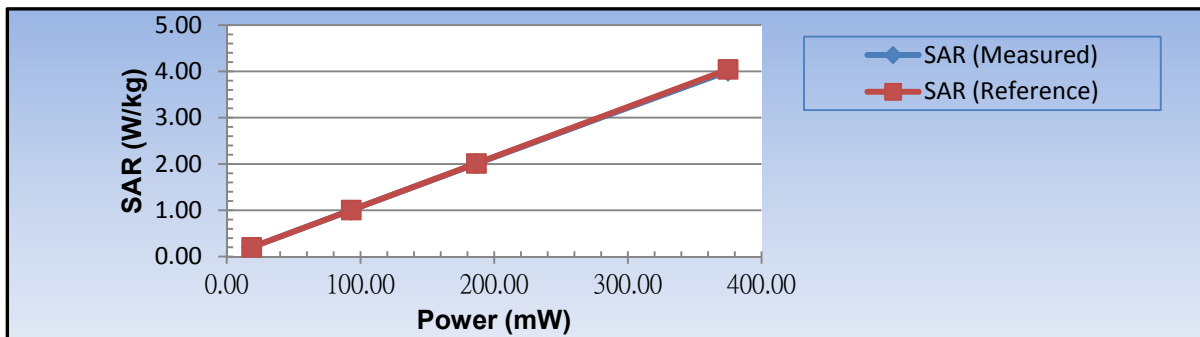
| System Validation - D835V2 SN499 |            |                     |                   |                 |                          |                      |               |                      |      |
|----------------------------------|------------|---------------------|-------------------|-----------------|--------------------------|----------------------|---------------|----------------------|------|
| Section                          | Multimeter | Measured SAR (W/kg) | Power Meter (dBm) | Power Meter (W) | 1W Normalized SAR (W/kg) | 1W Target SAR (W/kg) | Deviation (%) | Deviation Target (%) | Cube |
| 3.3.2<br>Step 1 CW               |            | 4.06                | 26.20             | 0.41687         | 9.74                     | 9.82                 | -0.82         | 10                   | 1g   |
|                                  |            | 2.70                | 26.20             | 0.41687         | 6.48                     | 6.49                 | -0.20         | 10                   | 10g  |
| 3.3.2<br>Step 2<br>CW            | 0.20       |                     | 12.68             | 0.01854         |                          |                      |               |                      |      |
|                                  | 1.00       |                     | 19.69             | 0.09311         |                          |                      |               |                      |      |
|                                  | 2.01       |                     | 22.71             | 0.18664         |                          |                      |               |                      |      |
|                                  | 4.00       |                     | 25.74             | 0.37497         |                          |                      |               |                      |      |
| 3.3.2<br>Step 3 CW               | 1.59       |                     | 21.68             | 0.14723         |                          |                      |               |                      |      |
| 3.3.3<br>Step 1<br>GMSK          |            | 1.55                | 21.75             | 0.14962         | 10.36                    | 9.82                 | 5.49          | 10                   | 1g   |
|                                  |            | 1.01                | 21.75             | 0.14962         | 6.75                     | 6.49                 | 4.01          | 10                   | 10g  |

## System Validation

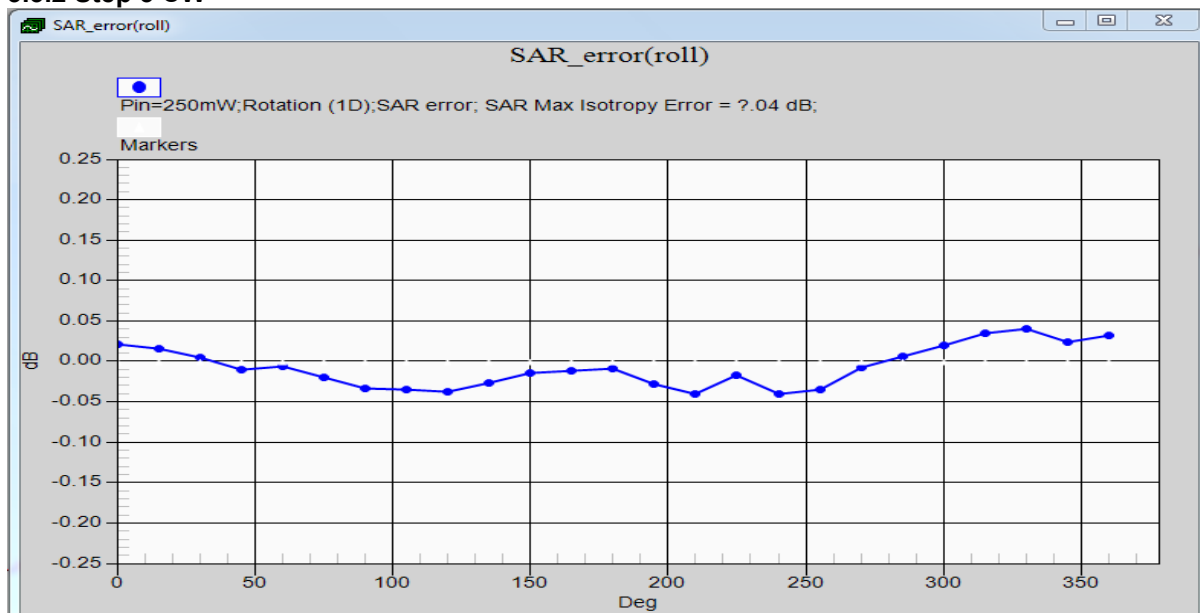
Probe 3270\_DAE778\_835MHz\_Body\_121122

### 3.3.2 Step 2 CW

|                         |       |        |        |        |
|-------------------------|-------|--------|--------|--------|
| Average Power (mW)      | 18.54 | 93.11  | 186.64 | 374.97 |
| Single Point SAR (W/kg) | 0.20  | 1.00   | 2.01   | 4.00   |
| Reference Line (W/kg)   | 0.20  | 1.00   | 2.01   | 4.04   |
| Deviation (%)           | 0.00% | -0.17% | -0.24% | -0.94% |



### 3.3.2 Step 3 CW





## System Validation

**Probe 1787\_DAE495\_1750MHz\_Body\_121121**

| System Validation - D1750V2-SN:1068 |             |                           |                               |                                  |                                      |                        |                            |       |     |
|-------------------------------------|-------------|---------------------------|-------------------------------|----------------------------------|--------------------------------------|------------------------|----------------------------|-------|-----|
| Frequency (MHz)                     | Liquid Type | Conductivity ( $\sigma$ ) | Permittivity ( $\epsilon_r$ ) | Conductivity Target ( $\sigma$ ) | Permittivity Target ( $\epsilon_r$ ) | Delta ( $\sigma$ ) (%) | Delta ( $\epsilon_r$ ) (%) | Probe | DAE |
| 1750                                | Body        | 1.515                     | 52.41                         | 1.52                             | 53.3                                 | -0.33                  | -1.67                      | 1787  | 495 |

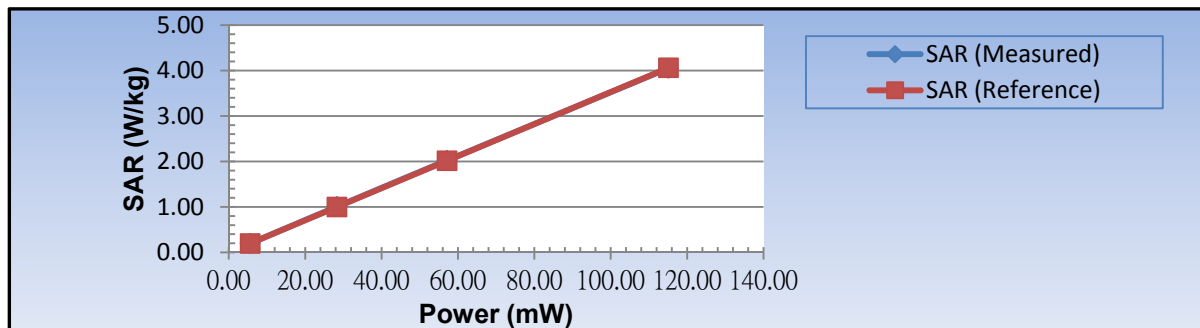
| System Validation - D1750V2-SN:1068 |            |                     |                   |                 |                          |                      |               |                      |      |
|-------------------------------------|------------|---------------------|-------------------|-----------------|--------------------------|----------------------|---------------|----------------------|------|
| Section                             | Multimeter | Measured SAR (W/kg) | Power Meter (dBm) | Power Meter (W) | 1W Normalized SAR (W/kg) | 1W Target SAR (W/kg) | Deviation (%) | Deviation Target (%) | Cube |
| 3.3.2 Step 1 CW                     |            | 3.84                | 20.40             | 0.10965         | 35.02                    | 36.80                | -4.83         | 10                   | 1g   |
|                                     |            | 2.10                | 20.40             | 0.10965         | 19.15                    | 19.90                | -3.76         | 10                   | 10g  |
| 3.3.2 Step 2 CW                     | 0.197      |                     | 7.47              | 0.00558         |                          |                      |               |                      |      |
|                                     | 1.007      |                     | 14.52             | 0.02831         |                          |                      |               |                      |      |
|                                     | 2.024      |                     | 17.57             | 0.05715         |                          |                      |               |                      |      |
|                                     | 4.049      |                     | 20.61             | 0.11508         |                          |                      |               |                      |      |
| 3.3.2 Step 3 CW                     | 1.603      |                     | 16.53             | 0.04498         |                          |                      |               |                      |      |

## System Validation

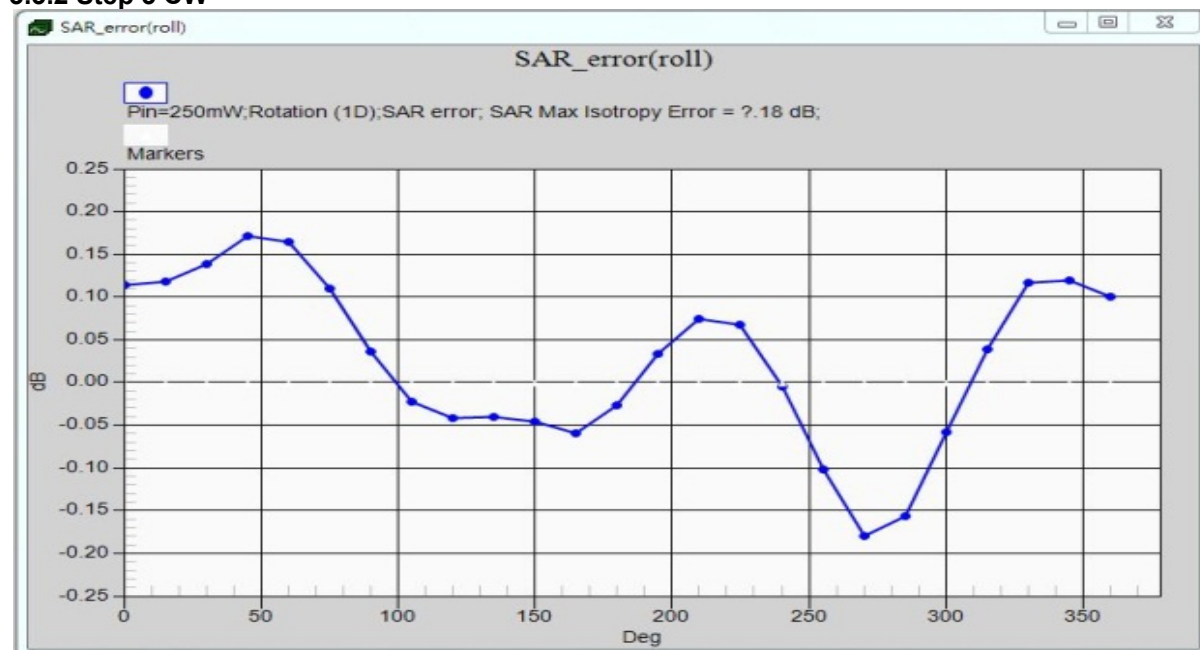
Probe 1787\_DAE495\_1750MHz\_Body\_121121

### 3.3.2 Step 2 CW

|                         |       |       |       |        |
|-------------------------|-------|-------|-------|--------|
| Average Power (mW)      | 5.58  | 28.31 | 57.15 | 115.08 |
| Single Point SAR (W/kg) | 0.20  | 1.01  | 2.02  | 4.05   |
| Reference Line (W/kg)   | 0.20  | 1.00  | 2.02  | 4.06   |
| Deviation (%)           | 0.00% | 0.82% | 0.40% | -0.26% |



### 3.3.2 Step 3 CW





## System Validation

**Probe 3270\_DAE778\_1750MHz\_Body\_121122**

| System Validation - D1750V2-SN:1068 |             |                           |                               |                                  |                                      |                        |                            |       |     |
|-------------------------------------|-------------|---------------------------|-------------------------------|----------------------------------|--------------------------------------|------------------------|----------------------------|-------|-----|
| Frequency (MHz)                     | Liquid Type | Conductivity ( $\sigma$ ) | Permittivity ( $\epsilon_r$ ) | Conductivity Target ( $\sigma$ ) | Permittivity Target ( $\epsilon_r$ ) | Delta ( $\sigma$ ) (%) | Delta ( $\epsilon_r$ ) (%) | Probe | DAE |
| 1750                                | Body        | 1.479                     | 52.368                        | 1.52                             | 53.3                                 | -2.70                  | -1.75                      | 3270  | 778 |

| System Validation - D1750V2-SN:1068 |            |                     |                   |                 |                          |                      |               |                      |      |
|-------------------------------------|------------|---------------------|-------------------|-----------------|--------------------------|----------------------|---------------|----------------------|------|
| Section                             | Multimeter | Measured SAR (W/kg) | Power Meter (dBm) | Power Meter (W) | 1W Normalized SAR (W/kg) | 1W Target SAR (W/kg) | Deviation (%) | Deviation Target (%) | Cube |
| 3.3.2 Step 1 CW                     |            | 3.98                | 20.40             | 0.10965         | 36.30                    | 36.80                | -1.36         | 10                   | 1g   |
|                                     |            | 2.11                | 20.40             | 0.10965         | 19.24                    | 19.90                | -3.30         | 10                   | 10g  |
| 3.3.2 Step 2 CW                     | 0.206      |                     | 6.86              | 0.00485         |                          |                      |               |                      |      |
|                                     | 1.063      |                     | 14.08             | 0.02559         |                          |                      |               |                      |      |
|                                     | 2.079      |                     | 16.99             | 0.05000         |                          |                      |               |                      |      |
|                                     | 3.978      |                     | 19.84             | 0.09638         |                          |                      |               |                      |      |
| 3.3.2 Step 3 CW                     | 1.605      |                     | 15.87             | 0.03864         |                          |                      |               |                      |      |

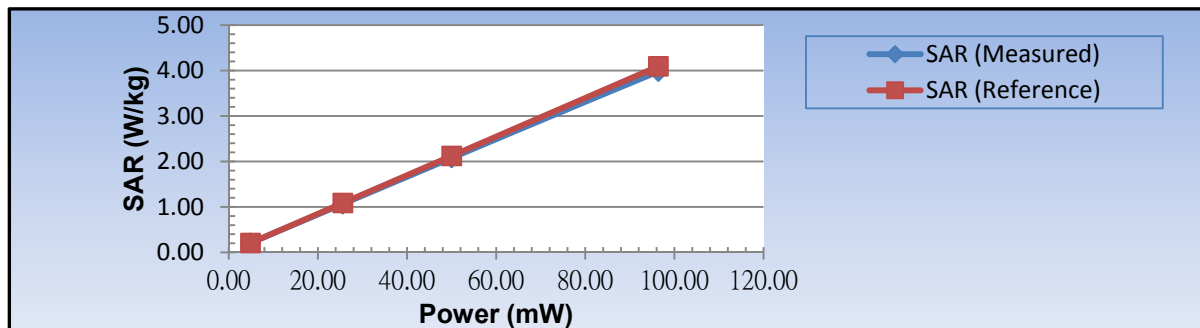


## System Validation

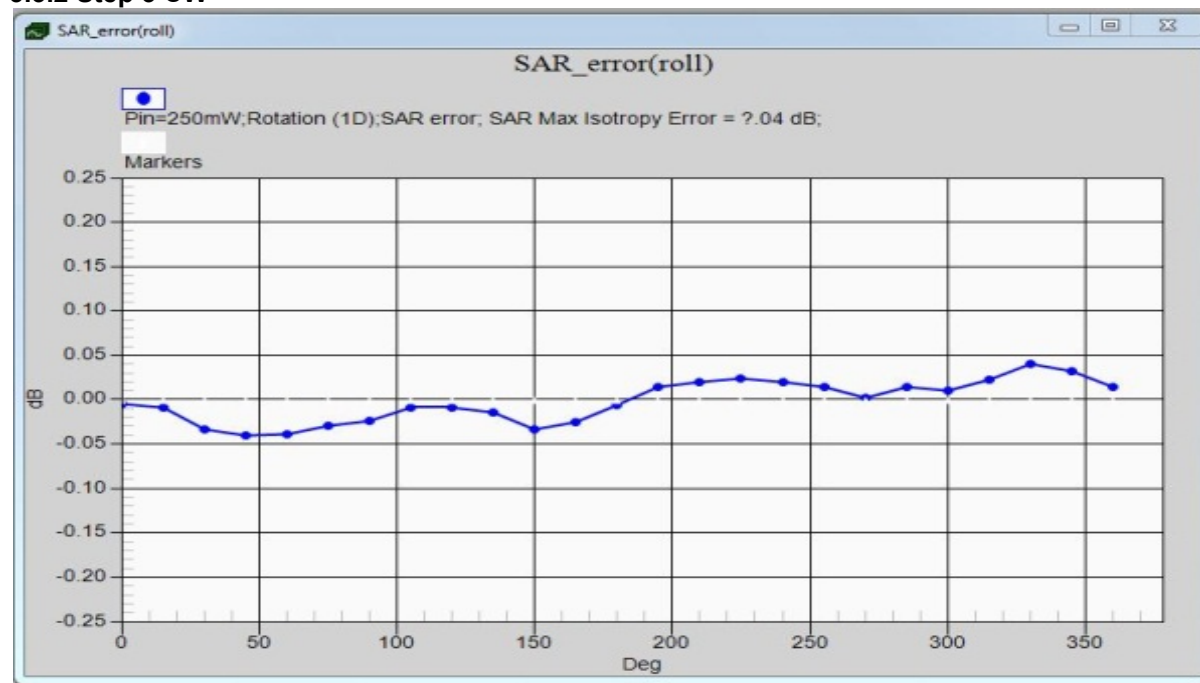
Probe 3270\_DAE778\_1750MHz\_Body\_121122

### 3.3.2 Step 2 CW

|                         |       |        |        |        |
|-------------------------|-------|--------|--------|--------|
| Average Power (mW)      | 4.85  | 25.59  | 50.00  | 96.38  |
| Single Point SAR (W/kg) | 0.21  | 1.06   | 2.08   | 3.98   |
| Reference Line (W/kg)   | 0.21  | 1.09   | 2.12   | 4.09   |
| Deviation (%)           | 0.00% | -2.13% | -2.05% | -2.77% |



### 3.3.2 Step 3 CW





## System Validation

**Probe 1787\_DAE495\_1900MHz\_Body\_121119**

| System Validation - D1900V2-SN:5d041 |             |                           |                               |                                  |                                      |                        |                            |       |     |
|--------------------------------------|-------------|---------------------------|-------------------------------|----------------------------------|--------------------------------------|------------------------|----------------------------|-------|-----|
| Frequency (MHz)                      | Liquid Type | Conductivity ( $\sigma$ ) | Permittivity ( $\epsilon_r$ ) | Conductivity Target ( $\sigma$ ) | Permittivity Target ( $\epsilon_r$ ) | Delta ( $\sigma$ ) (%) | Delta ( $\epsilon_r$ ) (%) | Probe | DAE |
| 1900                                 | Body        | 1.534                     | 51.986                        | 1.52                             | 53.3                                 | 0.92                   | -2.47                      | 1787  | 495 |

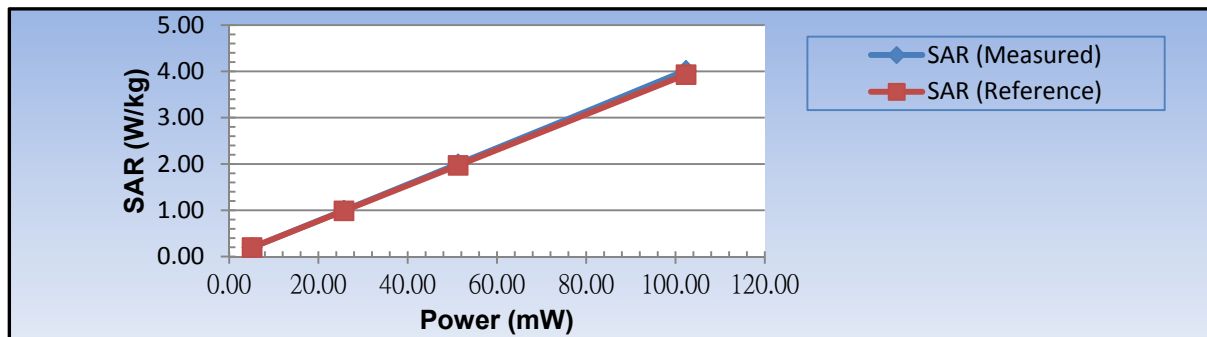
| System Validation - D1900V2-SN:5d041 |            |                     |                   |                 |                          |                      |               |                      |      |
|--------------------------------------|------------|---------------------|-------------------|-----------------|--------------------------|----------------------|---------------|----------------------|------|
| Section                              | Multimeter | Measured SAR (W/kg) | Power Meter (dBm) | Power Meter (W) | 1W Normalized SAR (W/kg) | 1W Target SAR (W/kg) | Deviation (%) | Deviation Target (%) | Cube |
| 3.3.2<br>Step 1 CW                   |            | 4.03                | 20.10             | 0.10233         | 39.38                    | 40.00                | -1.54         | 10                   | 1g   |
|                                      |            | 2.20                | 20.10             | 0.10233         | 21.50                    | 22.10                | -2.72         | 10                   | 10g  |
| 3.3.2<br>Step 2<br>CW                | 0.197      |                     | 7.10              | 0.00513         |                          |                      |               |                      |      |
|                                      | 0.999      |                     | 14.10             | 0.02570         |                          |                      |               |                      |      |
|                                      | 2.00       |                     | 17.10             | 0.05129         |                          |                      |               |                      |      |
|                                      | 4.02       |                     | 20.10             | 0.10233         |                          |                      |               |                      |      |
| 3.3.2<br>Step 3 CW                   | 1.60       |                     | 16.20             | 0.04169         |                          |                      |               |                      |      |
| 3.3.3<br>Step 1<br>GMSK              |            | 1.73                | 16.45             | 0.04416         | 39.18                    | 40.00                | -2.05         | 10                   | 1g   |
|                                      |            | 0.914               | 16.45             | 0.04416         | 20.70                    | 22.10                | -6.34         | 10                   | 10g  |

## System Validation

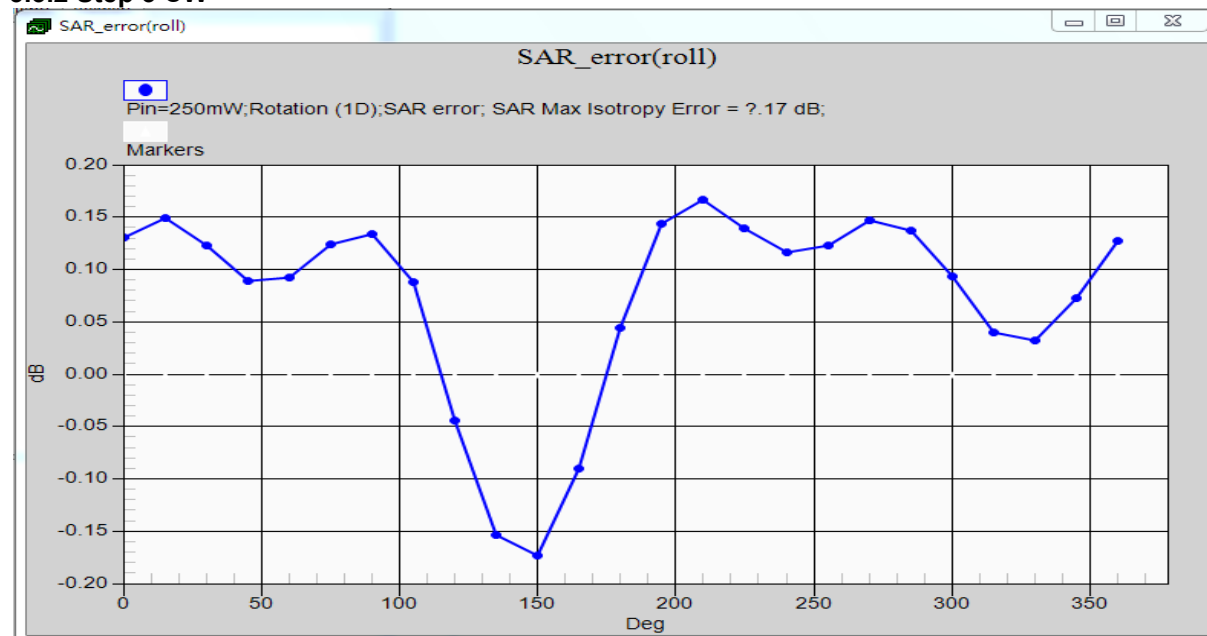
Probe 1787\_DAE495\_1900MHz\_Body\_121119

### 3.3.2 Step 2 CW

|                         |       |       |       |        |
|-------------------------|-------|-------|-------|--------|
| Average Power (mW)      | 5.13  | 25.70 | 51.29 | 102.33 |
| Single Point SAR (W/kg) | 0.20  | 1.00  | 2.00  | 4.02   |
| Reference Line (W/kg)   | 0.20  | 0.99  | 1.97  | 3.93   |
| Deviation (%)           | 0.00% | 1.18% | 1.52% | 2.27%  |



### 3.3.2 Step 3 CW





## System Validation

### Probe 3270\_DAE778\_1900MHz\_Body\_121123

| System Validation - D1900V2-SN:5d041 |             |                           |                               |                                  |                                      |                        |                            |       |     |
|--------------------------------------|-------------|---------------------------|-------------------------------|----------------------------------|--------------------------------------|------------------------|----------------------------|-------|-----|
| Frequency (MHz)                      | Liquid Type | Conductivity ( $\sigma$ ) | Permittivity ( $\epsilon_r$ ) | Conductivity Target ( $\sigma$ ) | Permittivity Target ( $\epsilon_r$ ) | Delta ( $\sigma$ ) (%) | Delta ( $\epsilon_r$ ) (%) | Probe | DAE |
| 1900                                 | Body        | 1.539                     | 54.55                         | 1.52                             | 53.3                                 | 1.25                   | 2.35                       | 3270  | 778 |

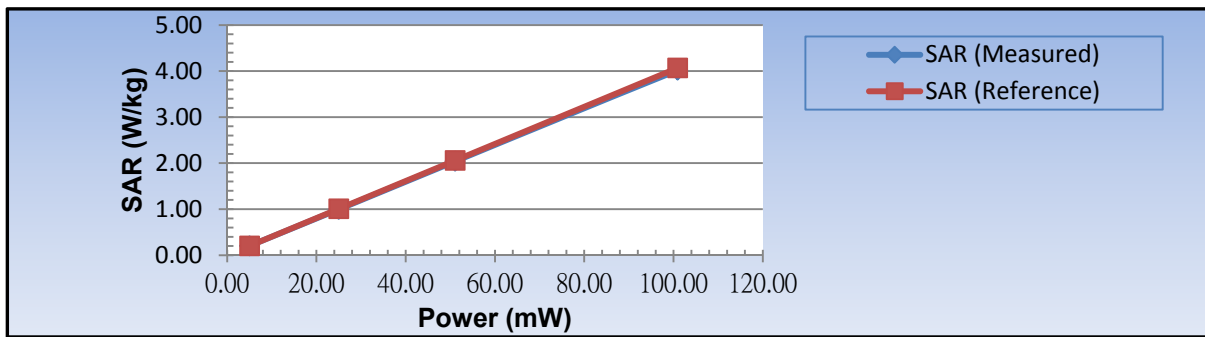
| System Validation - D1900V2-SN:5d041 |            |                     |                   |                 |                          |                      |               |                      |      |
|--------------------------------------|------------|---------------------|-------------------|-----------------|--------------------------|----------------------|---------------|----------------------|------|
| Section                              | Multimeter | Measured SAR (W/kg) | Power Meter (dBm) | Power Meter (W) | 1W Normalized SAR (W/kg) | 1W Target SAR (W/kg) | Deviation (%) | Deviation Target (%) | Cube |
| 3.3.2<br>Step 1 CW                   |            | 4.15                | 19.95             | 0.09886         | 41.98                    | 40.00                | 4.95          | 10                   | 1g   |
|                                      |            | 2.16                | 19.95             | 0.09886         | 21.85                    | 22.10                | -1.13         | 10                   | 10g  |
| 3.3.2<br>Step 2<br>CW                | 0.202      |                     | 7.00              | 0.00501         |                          |                      |               |                      |      |
|                                      | 0.995      |                     | 13.98             | 0.02500         |                          |                      |               |                      |      |
|                                      | 2.04       |                     | 17.08             | 0.05105         |                          |                      |               |                      |      |
|                                      | 4.020      |                     | 20.04             | 0.10093         |                          |                      |               |                      |      |
| 3.3.2<br>Step 3 CW                   | 1.60       |                     | 16.03             | 0.04009         |                          |                      |               |                      |      |
| 3.3.3<br>Step 1<br>GMSK              |            | 1.70                | 16.00             | 0.03981         | 42.70                    | 40.00                | 6.76          | 10                   | 1g   |
|                                      |            | 0.874               | 16.00             | 0.03981         | 21.95                    | 22.10                | -0.66         | 10                   | 10g  |

## System Validation

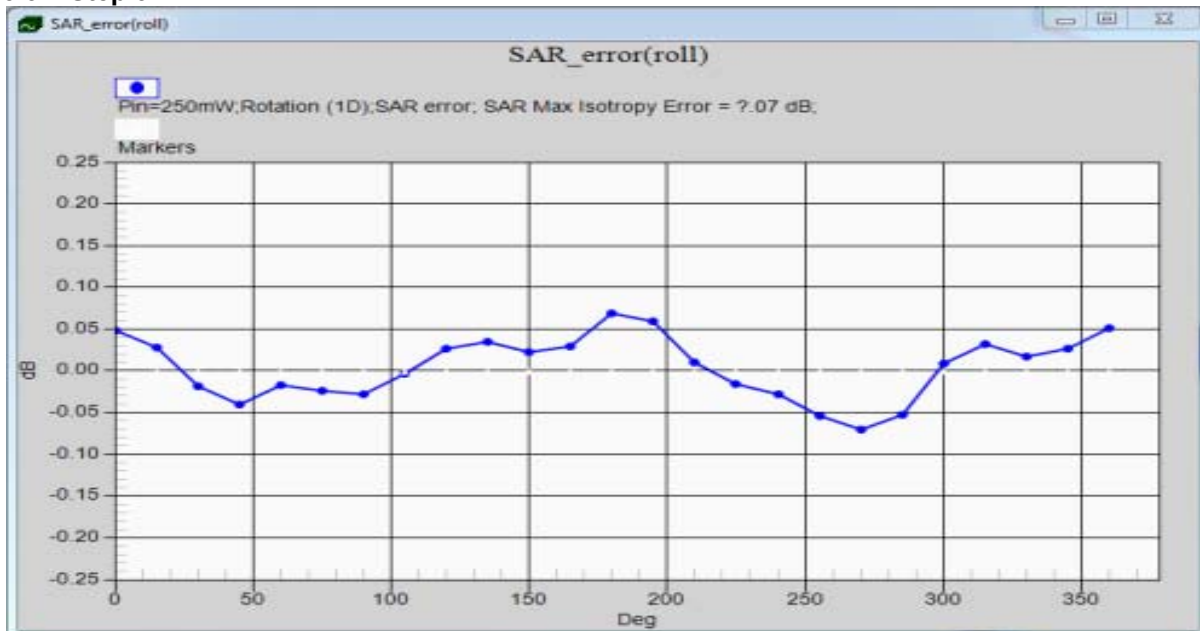
Probe 3270\_DAE778\_1900MHz\_Body\_121123

### 3.3.2 Step 2 CW

|                         |       |        |        |        |
|-------------------------|-------|--------|--------|--------|
| Average Power (mW)      | 5.01  | 25.00  | 51.05  | 100.93 |
| Single Point SAR (W/kg) | 0.20  | 1.00   | 2.04   | 4.02   |
| Reference Line (W/kg)   | 0.20  | 1.01   | 2.06   | 4.07   |
| Deviation (%)           | 0.00% | -1.26% | -0.85% | -1.17% |



### 3.3.2 Step 3 CW





## System Validation

**Probe 3697\_DAE1279\_2450MHz\_Body\_121121**

| System Validation – D2450V2-SN:736 |             |                           |                               |                                  |                                      |                        |                            |       |      |
|------------------------------------|-------------|---------------------------|-------------------------------|----------------------------------|--------------------------------------|------------------------|----------------------------|-------|------|
| Frequency (MHz)                    | Liquid Type | Conductivity ( $\sigma$ ) | Permittivity ( $\epsilon_r$ ) | Conductivity Target ( $\sigma$ ) | Permittivity Target ( $\epsilon_r$ ) | Delta ( $\sigma$ ) (%) | Delta ( $\epsilon_r$ ) (%) | Probe | DAE  |
| 2450                               | Body        | 2.005                     | 53.959                        | 1.95                             | 52.7                                 | 2.82                   | 2.39                       | 3697  | 1279 |

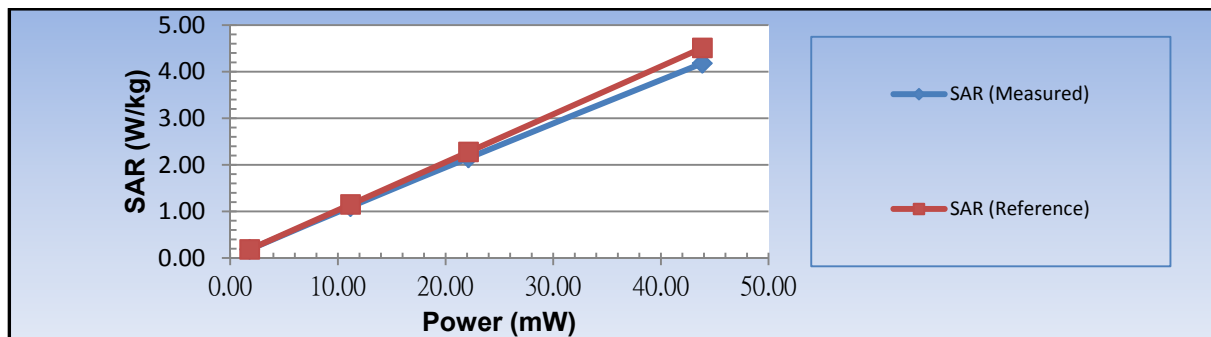
| System Validation – D2450V2-SN:736 |            |                     |                   |                 |                          |                      |               |                      |      |
|------------------------------------|------------|---------------------|-------------------|-----------------|--------------------------|----------------------|---------------|----------------------|------|
| Section                            | Multimeter | Measured SAR (W/kg) | Power Meter (dBm) | Power Meter (W) | 1W Normalized SAR (W/kg) | 1W Target SAR (W/kg) | Deviation (%) | Deviation Target (%) | Cube |
| 3.3.2<br>Step 1 CW                 |            | 4.05                | 18.50             | 0.07079         | 57.21                    | 52.30                | 9.38          | 10                   | 1g   |
|                                    |            | 1.89                | 18.50             | 0.07079         | 26.70                    | 24.50                | 8.97          | 10                   | 10g  |
| 3.3.2<br>Step 2<br>CW              | 0.185      |                     | 2.55              | 0.00180         |                          |                      |               |                      |      |
|                                    | 1.100      |                     | 10.48             | 0.01117         |                          |                      |               |                      |      |
|                                    | 2.150      |                     | 13.45             | 0.02213         |                          |                      |               |                      |      |
|                                    | 4.18       |                     | 16.42             | 0.04385         |                          |                      |               |                      |      |
| 3.3.2<br>Step 3 CW                 | 1.620      |                     | 12.69             | 0.01858         |                          |                      |               |                      |      |
| 3.3.3<br>Step 2<br>OFDM            |            | 3.95                | 18.38             | 0.06887         | 57.36                    | 52.30                | 9.67          | 10                   | 1g   |
|                                    |            | 1.83                | 18.38             | 0.06887         | 26.57                    | 24.50                | 8.46          | 10                   | 10g  |
| 3.3.3<br>Step 3<br>OFDM            | 0.201      |                     | 3.37              | 0.00217         |                          |                      |               |                      |      |
|                                    | 1          |                     | 10.63             | 0.01156         |                          |                      |               |                      |      |
|                                    | 2.006      |                     | 13.71             | 0.02350         |                          |                      |               |                      |      |
|                                    | 3.994      |                     | 16.65             | 0.04624         |                          |                      |               |                      |      |

## System Validation

Probe 3697\_DAE1279\_2450MHz\_Body\_121121

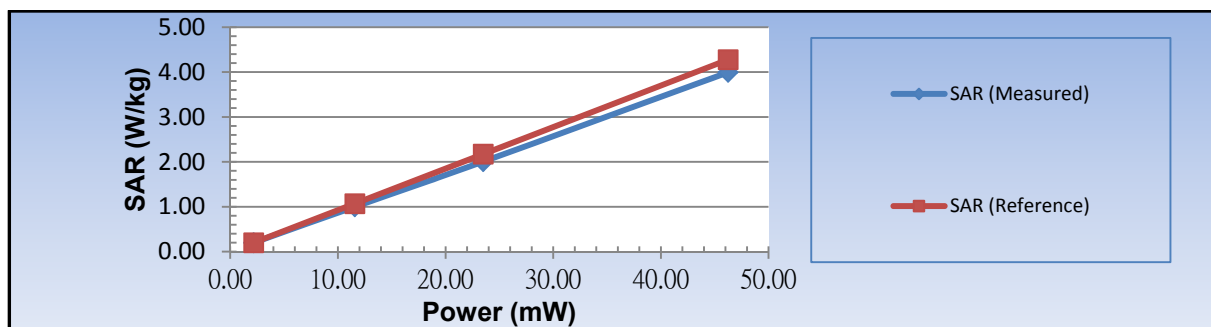
### 3.3.2 Step 2 CW

|                         |       |        |        |        |
|-------------------------|-------|--------|--------|--------|
| Average Power (mW)      | 1.80  | 11.17  | 22.13  | 43.85  |
| Single Point SAR (W/kg) | 0.19  | 1.10   | 2.15   | 4.18   |
| Reference Line (W/kg)   | 0.19  | 1.15   | 2.28   | 4.51   |
| Deviation (%)           | 0.00% | -4.23% | -5.54% | -7.32% |



### 3.3.3 Step 3 OFDM

|                         |       |        |        |        |
|-------------------------|-------|--------|--------|--------|
| Average Power (mW)      | 2.17  | 11.56  | 23.50  | 46.24  |
| Single Point SAR (W/kg) | 0.20  | 1.00   | 2.01   | 3.99   |
| Reference Line (W/kg)   | 0.20  | 1.07   | 2.17   | 4.28   |
| Deviation (%)           | 0.00% | -6.50% | -7.71% | -6.63% |





## System Validation

Probe 3697\_DAE1279\_2450MHz\_Body\_121121

### 3.3.2 Step 3 CW

