

## DASY/EASY - Parameters of Probe: EX3DV4 - SN:3898

### Basic Calibration Parameters

|                                                           | Sensor X | Sensor Y | Sensor Z | Unc (k=2)     |
|-----------------------------------------------------------|----------|----------|----------|---------------|
| Norm ( $\mu\text{V}/(\text{V}/\text{m})^2$ ) <sup>A</sup> | 0.40     | 0.35     | 0.33     | $\pm 10.1 \%$ |
| DCP (mV) <sup>B</sup>                                     | 102.0    | 104.2    | 100.3    |               |

### Modulation Calibration Parameters

| UID | Communication System Name |   | A<br>dB | B<br>dB $\sqrt{\mu\text{V}}$ | C   | D<br>dB | VR<br>mV | Unc <sup>E</sup><br>(k=2) |
|-----|---------------------------|---|---------|------------------------------|-----|---------|----------|---------------------------|
| 0   | CW                        | X | 0.0     | 0.0                          | 1.0 | 0.00    | 141.7    | $\pm 3.3 \%$              |
|     |                           | Y | 0.0     | 0.0                          | 1.0 |         | 156.6    |                           |
|     |                           | Z | 0.0     | 0.0                          | 1.0 |         | 145.9    |                           |

Note: For details on UID parameters see Appendix.

### Sensor Model Parameters

|   | C1<br>fF | C2<br>fF | $\alpha$<br>$\text{V}^{-1}$ | T1<br>$\text{ms}\cdot\text{V}^{-2}$ | T2<br>$\text{ms}\cdot\text{V}^{-1}$ | T3<br>ms | T4<br>$\text{V}^{-2}$ | T5<br>$\text{V}^{-1}$ | T6    |
|---|----------|----------|-----------------------------|-------------------------------------|-------------------------------------|----------|-----------------------|-----------------------|-------|
| X | 38.27    | 284.8    | 35.44                       | 8.749                               | 0.76                                | 4.96     | 0.76                  | 0.203                 | 1.003 |
| Y | 42.12    | 314      | 35.64                       | 9.66                                | 0.645                               | 4.983    | 0.852                 | 0.157                 | 1.004 |
| Z | 35.27    | 262.1    | 35.33                       | 6.995                               | 0.634                               | 4.963    | 0.826                 | 0.153                 | 1.003 |

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%.

<sup>A</sup> The uncertainties of Norm X,Y,Z do not affect the  $E^2$ -field uncertainty inside TSL (see Pages 5 and 6).

<sup>B</sup> Numerical linearization parameter: uncertainty not required.

<sup>E</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

## DASY/EASY - Parameters of Probe: EX3DV4 - SN:3898

### Calibration Parameter Determined in Head Tissue Simulating Media

| f (MHz) <sup>C</sup> | Relative Permittivity <sup>F</sup> | Conductivity (S/m) <sup>F</sup> | ConvF X | ConvF Y | ConvF Z | Alpha <sup>G</sup> | Depth <sup>G</sup> (mm) | Unc (k=2) |
|----------------------|------------------------------------|---------------------------------|---------|---------|---------|--------------------|-------------------------|-----------|
| 750                  | 41.9                               | 0.89                            | 10.43   | 10.43   | 10.43   | 0.39               | 0.96                    | ± 12.0 %  |
| 835                  | 41.5                               | 0.90                            | 9.92    | 9.92    | 9.92    | 0.43               | 0.86                    | ± 12.0 %  |
| 900                  | 41.5                               | 0.97                            | 9.70    | 9.70    | 9.70    | 0.43               | 0.80                    | ± 12.0 %  |
| 1750                 | 40.1                               | 1.37                            | 8.39    | 8.39    | 8.39    | 0.33               | 0.80                    | ± 12.0 %  |
| 1900                 | 40.0                               | 1.40                            | 8.06    | 8.06    | 8.06    | 0.33               | 0.80                    | ± 12.0 %  |
| 2000                 | 40.0                               | 1.40                            | 8.08    | 8.08    | 8.08    | 0.36               | 0.86                    | ± 12.0 %  |
| 2300                 | 39.5                               | 1.67                            | 7.64    | 7.64    | 7.64    | 0.23               | 0.97                    | ± 12.0 %  |
| 2450                 | 39.2                               | 1.80                            | 7.33    | 7.33    | 7.33    | 0.27               | 0.96                    | ± 12.0 %  |
| 2600                 | 39.0                               | 1.96                            | 7.21    | 7.21    | 7.21    | 0.41               | 0.80                    | ± 12.0 %  |
| 3500                 | 37.9                               | 2.91                            | 6.87    | 6.87    | 6.87    | 0.28               | 1.20                    | ± 13.1 %  |
| 5250                 | 35.9                               | 4.71                            | 5.32    | 5.32    | 5.32    | 0.35               | 1.80                    | ± 13.1 %  |
| 5600                 | 35.5                               | 5.07                            | 4.61    | 4.61    | 4.61    | 0.45               | 1.80                    | ± 13.1 %  |
| 5750                 | 35.4                               | 5.22                            | 4.82    | 4.82    | 4.82    | 0.45               | 1.80                    | ± 13.1 %  |

<sup>C</sup> Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the 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.

<sup>F</sup> At frequencies below 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

<sup>G</sup> 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 frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

## DASY/EASY - Parameters of Probe: EX3DV4 - SN:3898

### Calibration Parameter Determined in Body Tissue Simulating Media

| f (MHz) <sup>C</sup> | Relative Permittivity <sup>F</sup> | Conductivity (S/m) <sup>F</sup> | ConvF X | ConvF Y | ConvF Z | Alpha <sup>G</sup> | Depth <sup>G</sup> (mm) | Unc (k=2) |
|----------------------|------------------------------------|---------------------------------|---------|---------|---------|--------------------|-------------------------|-----------|
| 750                  | 55.5                               | 0.96                            | 9.95    | 9.95    | 9.95    | 0.49               | 0.80                    | ± 12.0 %  |
| 835                  | 55.2                               | 0.97                            | 9.87    | 9.87    | 9.87    | 0.38               | 0.92                    | ± 12.0 %  |
| 900                  | 55.0                               | 1.05                            | 9.89    | 9.89    | 9.89    | 0.48               | 0.80                    | ± 12.0 %  |
| 1750                 | 53.4                               | 1.49                            | 8.09    | 8.09    | 8.09    | 0.44               | 0.80                    | ± 12.0 %  |
| 1900                 | 53.3                               | 1.52                            | 7.81    | 7.81    | 7.81    | 0.47               | 0.80                    | ± 12.0 %  |
| 2000                 | 53.3                               | 1.52                            | 7.94    | 7.94    | 7.94    | 0.30               | 0.90                    | ± 12.0 %  |
| 2300                 | 52.9                               | 1.81                            | 7.58    | 7.58    | 7.58    | 0.40               | 0.80                    | ± 12.0 %  |
| 2450                 | 52.7                               | 1.95                            | 7.42    | 7.42    | 7.42    | 0.36               | 0.80                    | ± 12.0 %  |
| 2600                 | 52.5                               | 2.16                            | 7.12    | 7.12    | 7.12    | 0.25               | 0.80                    | ± 12.0 %  |
| 3500                 | 51.3                               | 3.31                            | 6.48    | 6.48    | 6.48    | 0.32               | 1.20                    | ± 13.1 %  |
| 5250                 | 48.9                               | 5.36                            | 4.69    | 4.69    | 4.69    | 0.50               | 1.90                    | ± 13.1 %  |
| 5600                 | 48.5                               | 5.77                            | 3.87    | 3.87    | 3.87    | 0.60               | 1.90                    | ± 13.1 %  |
| 5750                 | 48.3                               | 5.94                            | 4.04    | 4.04    | 4.04    | 0.60               | 1.90                    | ± 13.1 %  |

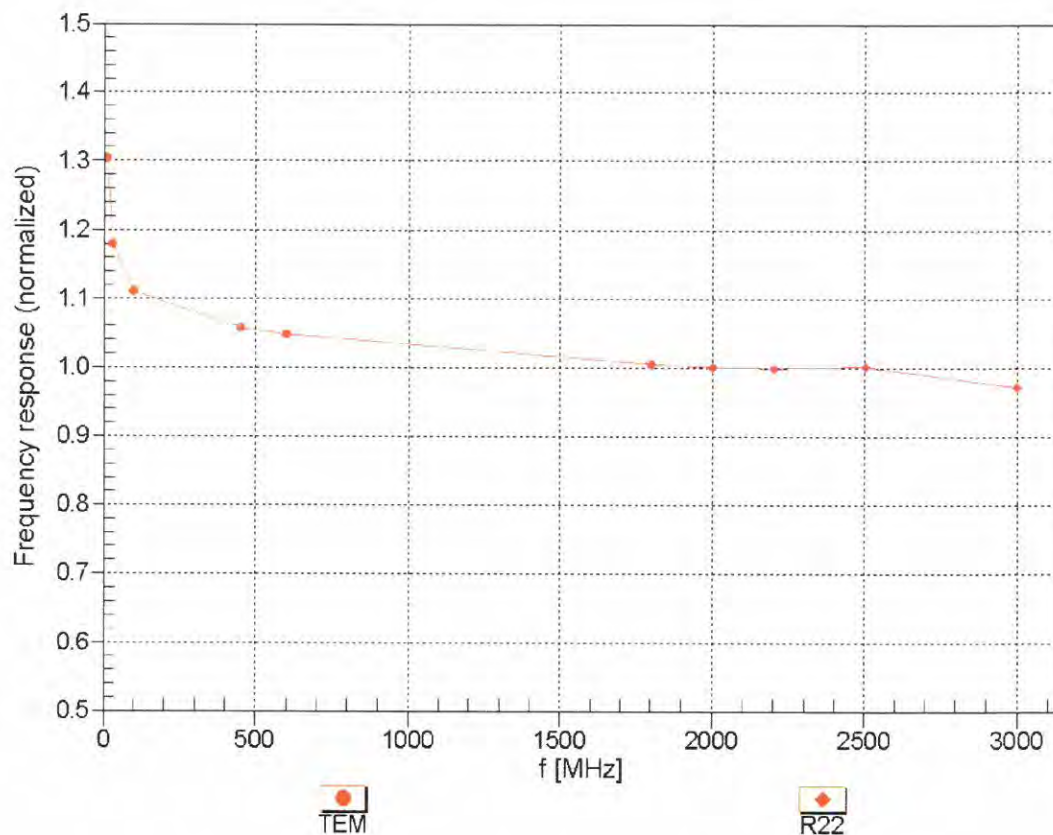
<sup>C</sup> Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 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.

<sup>F</sup> At frequencies below 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

<sup>G</sup> 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 frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

## Frequency Response of E-Field

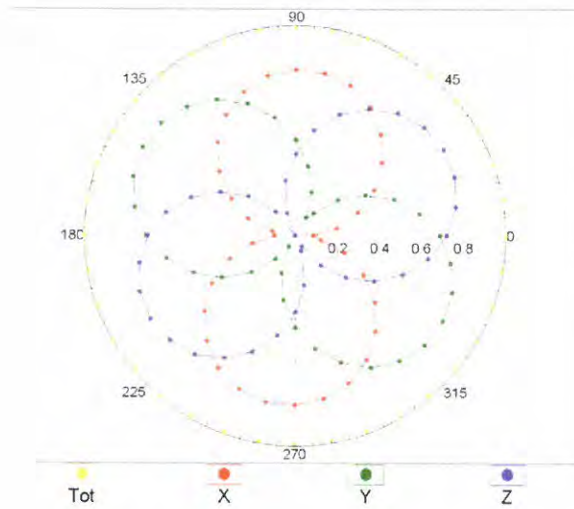
(TEM-Cell:ifi110 EXX, Waveguide: R22)



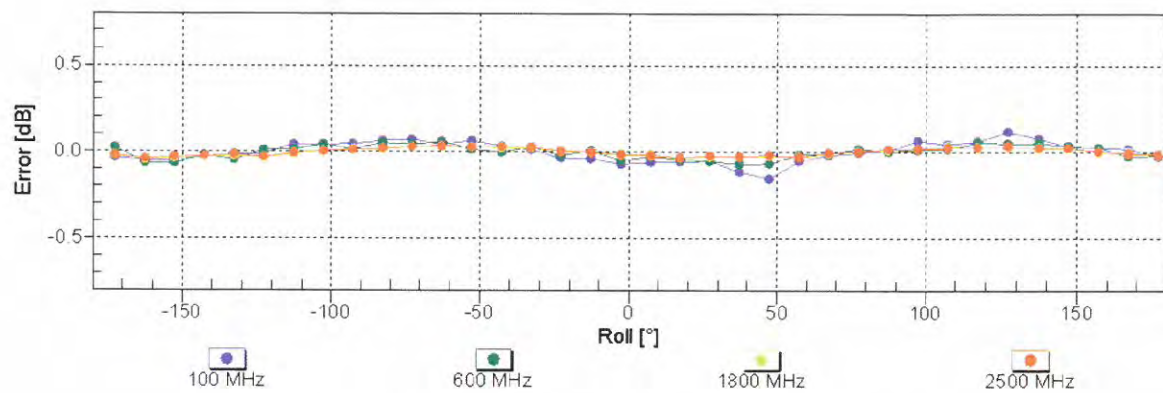
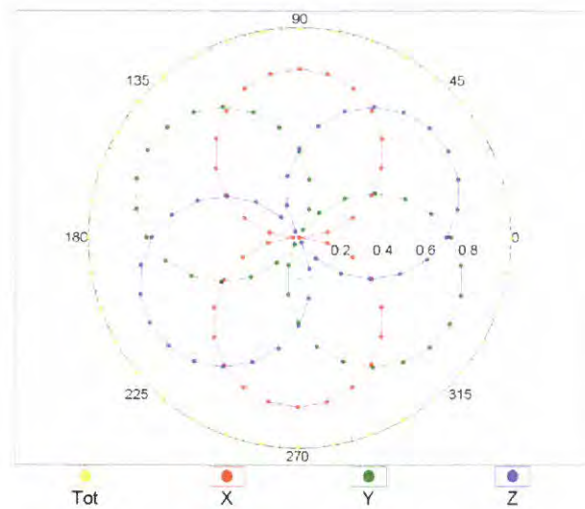
Uncertainty of Frequency Response of E-field:  $\pm 6.3\%$  ( $k=2$ )

## Receiving Pattern ( $\phi$ ), $\theta = 0^\circ$

f=600 MHz,TEM



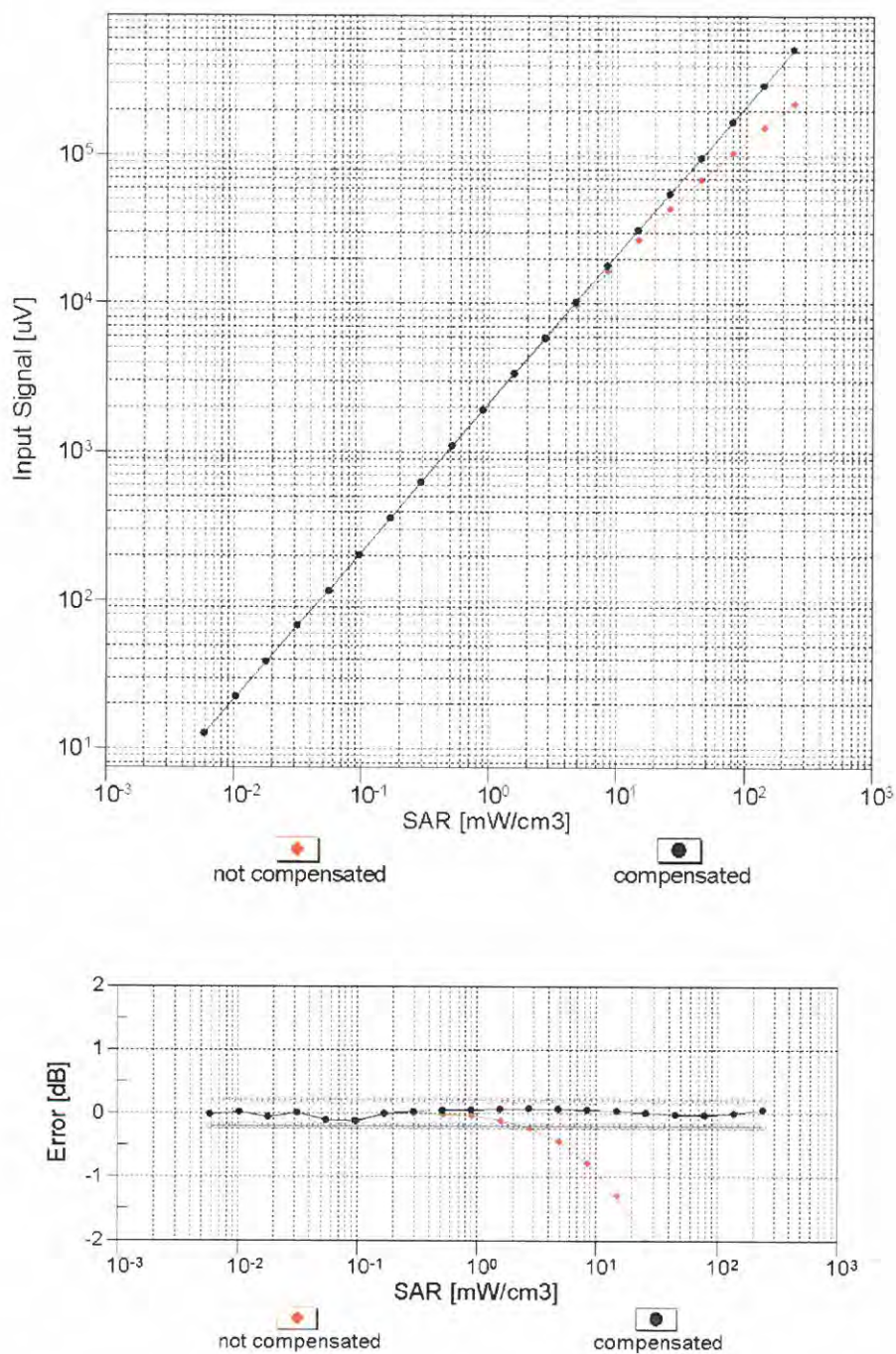
f=1800 MHz,R22



Uncertainty of Axial Isotropy Assessment:  $\pm 0.5\%$  ( $k=2$ )

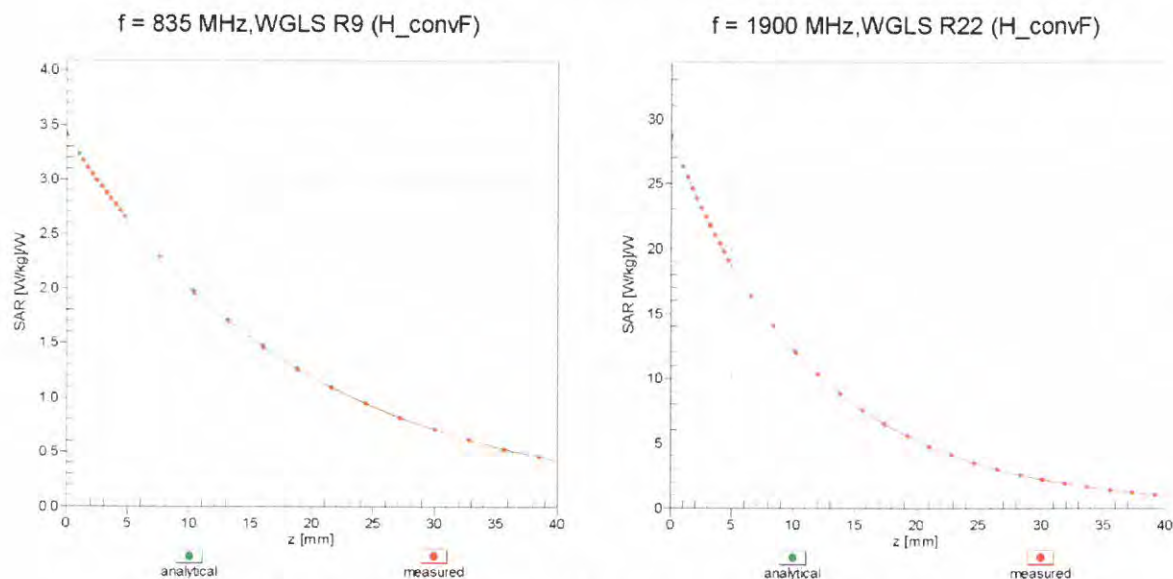
## Dynamic Range f(SAR<sub>head</sub>)

(TEM cell , f<sub>eval</sub>= 1900 MHz)



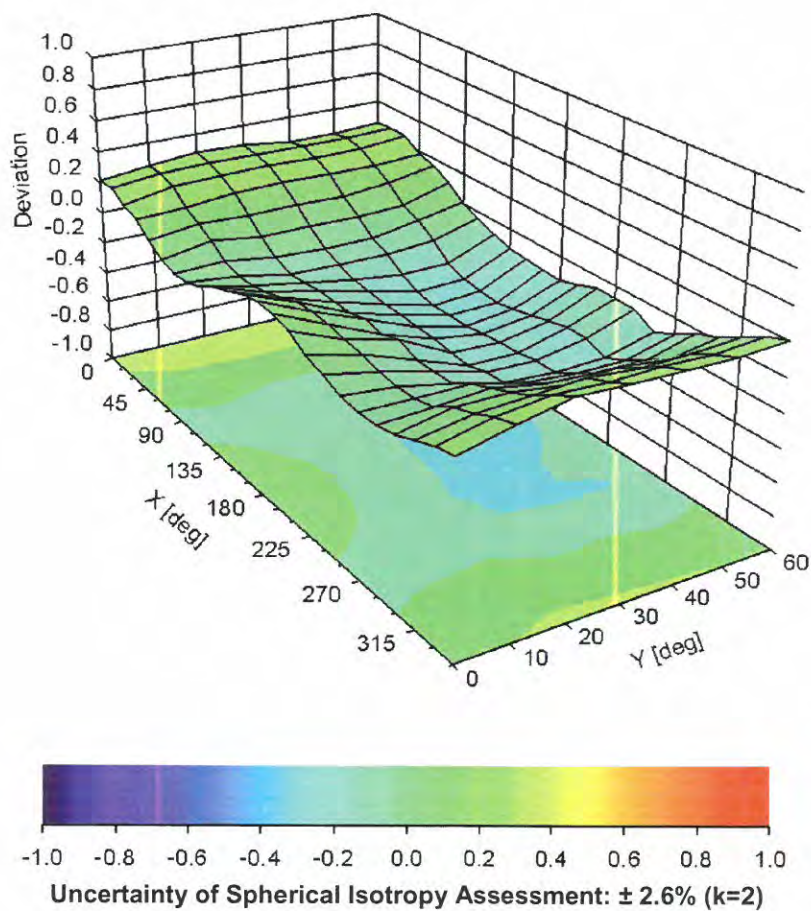
Uncertainty of Linearity Assessment:  $\pm 0.6\%$  (k=2)

## Conversion Factor Assessment



## Deviation from Isotropy in Liquid

Error ( $\phi$ ,  $\theta$ ),  $f = 900 \text{ MHz}$



## DASY/EASY - Parameters of Probe: EX3DV4 - SN:3898

### Other Probe Parameters

|                                               |            |
|-----------------------------------------------|------------|
| Sensor Arrangement                            | Triangular |
| Connector Angle (°)                           | 117.3      |
| Mechanical Surface Detection Mode             | enabled    |
| Optical Surface Detection Mode                | disabled   |
| Probe Overall Length                          | 337 mm     |
| Probe Body Diameter                           | 10 mm      |
| Tip Length                                    | 9 mm       |
| Tip Diameter                                  | 2.5 mm     |
| Probe Tip to Sensor X Calibration Point       | 1 mm       |
| Probe Tip to Sensor Y Calibration Point       | 1 mm       |
| Probe Tip to Sensor Z Calibration Point       | 1 mm       |
| Recommended Measurement Distance from Surface | 1.4 mm     |



**Appendix: Modulation Calibration Parameters**

| UID           | Communication System Name                     |   | A<br>dB | B<br>dB $\sqrt{\mu V}$ | C     | D<br>dB | VR<br>mV | Max<br>Unc <sup>E</sup><br>(k=2) |
|---------------|-----------------------------------------------|---|---------|------------------------|-------|---------|----------|----------------------------------|
| 0             | CW                                            | X | 0.00    | 0.00                   | 1.00  | 0.00    | 141.7    | $\pm 3.3 \%$                     |
|               |                                               | Y | 0.00    | 0.00                   | 1.00  |         | 156.6    |                                  |
|               |                                               | Z | 0.00    | 0.00                   | 1.00  |         | 145.9    |                                  |
| 10010-<br>CAA | SAR Validation (Square, 100ms, 10ms)          | X | 2.32    | 64.86                  | 9.79  | 10.00   | 20.0     | $\pm 9.6 \%$                     |
|               |                                               | Y | 2.39    | 65.52                  | 10.11 |         | 20.0     |                                  |
|               |                                               | Z | 2.19    | 64.48                  | 9.46  |         | 20.0     |                                  |
| 10011-<br>CAB | UMTS-FDD (WCDMA)                              | X | 1.04    | 67.88                  | 15.62 | 0.00    | 150.0    | $\pm 9.6 \%$                     |
|               |                                               | Y | 1.19    | 70.34                  | 17.14 |         | 150.0    |                                  |
|               |                                               | Z | 0.98    | 66.97                  | 14.99 |         | 150.0    |                                  |
| 10012-<br>CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)      | X | 1.16    | 63.69                  | 15.09 | 0.41    | 150.0    | $\pm 9.6 \%$                     |
|               |                                               | Y | 1.19    | 64.42                  | 15.80 |         | 150.0    |                                  |
|               |                                               | Z | 1.14    | 63.35                  | 14.78 |         | 150.0    |                                  |
| 10013-<br>CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps) | X | 4.71    | 66.53                  | 16.81 | 1.46    | 150.0    | $\pm 9.6 \%$                     |
|               |                                               | Y | 4.79    | 66.68                  | 17.04 |         | 150.0    |                                  |
|               |                                               | Z | 4.65    | 66.50                  | 16.73 |         | 150.0    |                                  |
| 10021-<br>DAB | GSM-FDD (TDMA, GMSK)                          | X | 7.96    | 79.25                  | 16.76 | 9.39    | 50.0     | $\pm 9.6 \%$                     |
|               |                                               | Y | 37.99   | 98.04                  | 22.39 |         | 50.0     |                                  |
|               |                                               | Z | 8.29    | 79.71                  | 16.71 |         | 50.0     |                                  |
| 10023-<br>DAB | GPRS-FDD (TDMA, GMSK, TN 0)                   | X | 6.55    | 76.71                  | 15.88 | 9.57    | 50.0     | $\pm 9.6 \%$                     |
|               |                                               | Y | 18.69   | 89.55                  | 20.10 |         | 50.0     |                                  |
|               |                                               | Z | 6.48    | 76.61                  | 15.64 |         | 50.0     |                                  |
| 10024-<br>DAB | GPRS-FDD (TDMA, GMSK, TN 0-1)                 | X | 11.14   | 84.27                  | 17.12 | 6.56    | 60.0     | $\pm 9.6 \%$                     |
|               |                                               | Y | 100.00  | 107.88                 | 23.36 |         | 60.0     |                                  |
|               |                                               | Z | 12.63   | 85.63                  | 17.31 |         | 60.0     |                                  |
| 10025-<br>DAB | EDGE-FDD (TDMA, 8PSK, TN 0)                   | X | 4.02    | 67.67                  | 23.51 | 12.57   | 50.0     | $\pm 9.6 \%$                     |
|               |                                               | Y | 6.43    | 82.59                  | 31.74 |         | 50.0     |                                  |
|               |                                               | Z | 3.46    | 63.85                  | 21.34 |         | 50.0     |                                  |
| 10026-<br>DAB | EDGE-FDD (TDMA, 8PSK, TN 0-1)                 | X | 6.74    | 83.59                  | 28.57 | 9.56    | 60.0     | $\pm 9.6 \%$                     |
|               |                                               | Y | 8.31    | 89.70                  | 31.55 |         | 60.0     |                                  |
|               |                                               | Z | 5.89    | 80.89                  | 27.55 |         | 60.0     |                                  |
| 10027-<br>DAB | GPRS-FDD (TDMA, GMSK, TN 0-1-2)               | X | 100.00  | 105.62                 | 21.58 | 4.80    | 80.0     | $\pm 9.6 \%$                     |
|               |                                               | Y | 100.00  | 108.59                 | 22.91 |         | 80.0     |                                  |
|               |                                               | Z | 100.00  | 105.60                 | 21.38 |         | 80.0     |                                  |
| 10028-<br>DAB | GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)             | X | 100.00  | 106.71                 | 21.42 | 3.55    | 100.0    | $\pm 9.6 \%$                     |
|               |                                               | Y | 100.00  | 111.01                 | 23.29 |         | 100.0    |                                  |
|               |                                               | Z | 100.00  | 107.06                 | 21.36 |         | 100.0    |                                  |
| 10029-<br>DAB | EDGE-FDD (TDMA, 8PSK, TN 0-1-2)               | X | 4.57    | 75.74                  | 24.34 | 7.80    | 80.0     | $\pm 9.6 \%$                     |
|               |                                               | Y | 5.13    | 78.97                  | 26.19 |         | 80.0     |                                  |
|               |                                               | Z | 4.11    | 73.80                  | 23.55 |         | 80.0     |                                  |
| 10030-<br>CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1)           | X | 5.99    | 78.40                  | 14.69 | 5.30    | 70.0     | $\pm 9.6 \%$                     |
|               |                                               | Y | 100.00  | 106.34                 | 22.20 |         | 70.0     |                                  |
|               |                                               | Z | 5.31    | 77.59                  | 14.24 |         | 70.0     |                                  |
| 10031-<br>CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3)           | X | 100.00  | 105.33                 | 19.69 | 1.88    | 100.0    | $\pm 9.6 \%$                     |
|               |                                               | Y | 100.00  | 112.69                 | 22.72 |         | 100.0    |                                  |
|               |                                               | Z | 100.00  | 104.93                 | 19.32 |         | 100.0    |                                  |

|           |                                                     |   |        |        |       |       |       |         |
|-----------|-----------------------------------------------------|---|--------|--------|-------|-------|-------|---------|
| 10032-CAA | IEEE 802.15.1 Bluetooth (GFSK, DH5)                 | X | 100.00 | 114.24 | 22.48 | 1.17  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 100.00 | 129.34 | 28.42 |       | 100.0 |         |
|           |                                                     | Z | 100.00 | 114.05 | 22.20 |       | 100.0 |         |
| 10033-CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)           | X | 3.74   | 75.20  | 17.26 | 5.30  | 70.0  | ± 9.6 % |
|           |                                                     | Y | 6.68   | 84.77  | 21.43 |       | 70.0  |         |
|           |                                                     | Z | 3.26   | 73.64  | 16.44 |       | 70.0  |         |
| 10034-CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)           | X | 1.82   | 69.96  | 14.12 | 1.88  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 2.84   | 76.55  | 17.52 |       | 100.0 |         |
|           |                                                     | Z | 1.55   | 68.29  | 13.06 |       | 100.0 |         |
| 10035-CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)           | X | 1.50   | 68.94  | 13.60 | 1.17  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 2.18   | 74.38  | 16.59 |       | 100.0 |         |
|           |                                                     | Z | 1.29   | 67.37  | 12.53 |       | 100.0 |         |
| 10036-CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH1)               | X | 4.22   | 77.02  | 18.01 | 5.30  | 70.0  | ± 9.6 % |
|           |                                                     | Y | 8.57   | 88.65  | 22.77 |       | 70.0  |         |
|           |                                                     | Z | 3.62   | 75.26  | 17.14 |       | 70.0  |         |
| 10037-CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH3)               | X | 1.70   | 69.27  | 13.81 | 1.88  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 2.58   | 75.41  | 17.06 |       | 100.0 |         |
|           |                                                     | Z | 1.45   | 67.65  | 12.76 |       | 100.0 |         |
| 10038-CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH5)               | X | 1.50   | 69.17  | 13.82 | 1.17  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 2.20   | 74.81  | 16.89 |       | 100.0 |         |
|           |                                                     | Z | 1.29   | 67.53  | 12.73 |       | 100.0 |         |
| 10039-CAB | CDMA2000 (1xRTT, RC1)                               | X | 1.91   | 73.45  | 15.58 | 0.00  | 150.0 | ± 9.6 % |
|           |                                                     | Y | 3.23   | 80.57  | 18.87 |       | 150.0 |         |
|           |                                                     | Z | 1.47   | 70.24  | 13.79 |       | 150.0 |         |
| 10042-CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) | X | 4.87   | 74.53  | 14.06 | 7.78  | 50.0  | ± 9.6 % |
|           |                                                     | Y | 31.31  | 94.19  | 20.05 |       | 50.0  |         |
|           |                                                     | Z | 4.58   | 74.11  | 13.74 |       | 50.0  |         |
| 10044-CAA | IS-91/EIA/TIA-553 FDD (FDMA, FM)                    | X | 0.00   | 94.94  | 0.02  | 0.00  | 150.0 | ± 9.6 % |
|           |                                                     | Y | 0.00   | 98.64  | 1.63  |       | 150.0 |         |
|           |                                                     | Z | 0.00   | 93.60  | 0.58  |       | 150.0 |         |
| 10048-CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)           | X | 5.50   | 70.51  | 14.87 | 13.80 | 25.0  | ± 9.6 % |
|           |                                                     | Y | 7.24   | 74.57  | 16.49 |       | 25.0  |         |
|           |                                                     | Z | 5.38   | 70.03  | 14.46 |       | 25.0  |         |
| 10049-CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)         | X | 5.49   | 73.25  | 14.80 | 10.79 | 40.0  | ± 9.6 % |
|           |                                                     | Y | 7.95   | 78.27  | 16.75 |       | 40.0  |         |
|           |                                                     | Z | 5.32   | 72.85  | 14.44 |       | 40.0  |         |
| 10056-CAA | UMTS-TDD (TD-SCDMA, 1.28 Mcps)                      | X | 7.45   | 79.63  | 19.14 | 9.03  | 50.0  | ± 9.6 % |
|           |                                                     | Y | 12.80  | 88.71  | 22.73 |       | 50.0  |         |
|           |                                                     | Z | 7.15   | 79.18  | 18.77 |       | 50.0  |         |
| 10058-DAB | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)                   | X | 3.69   | 72.13  | 22.10 | 6.55  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 4.01   | 74.31  | 23.46 |       | 100.0 |         |
|           |                                                     | Z | 3.39   | 70.64  | 21.46 |       | 100.0 |         |
| 10059-CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)            | X | 1.17   | 64.37  | 15.39 | 0.61  | 110.0 | ± 9.6 % |
|           |                                                     | Y | 1.22   | 65.34  | 16.26 |       | 110.0 |         |
|           |                                                     | Z | 1.13   | 63.90  | 15.03 |       | 110.0 |         |
| 10060-CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)          | X | 2.54   | 83.09  | 21.05 | 1.30  | 110.0 | ± 9.6 % |
|           |                                                     | Y | 15.10  | 111.69 | 30.09 |       | 110.0 |         |
|           |                                                     | Z | 1.74   | 78.02  | 19.28 |       | 110.0 |         |

|           |                                                |   |      |       |       |      |       |         |
|-----------|------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10061-CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)      | X | 1.84 | 72.59 | 18.49 | 2.04 | 110.0 | ± 9.6 % |
|           |                                                | Y | 2.40 | 77.86 | 21.22 |      | 110.0 |         |
|           |                                                | Z | 1.59 | 70.69 | 17.67 |      | 110.0 |         |
| 10062-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)       | X | 4.54 | 66.65 | 16.39 | 0.49 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.62 | 66.80 | 16.60 |      | 100.0 |         |
|           |                                                | Z | 4.48 | 66.61 | 16.30 |      | 100.0 |         |
| 10063-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)       | X | 4.54 | 66.70 | 16.44 | 0.72 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.63 | 66.86 | 16.66 |      | 100.0 |         |
|           |                                                | Z | 4.48 | 66.65 | 16.36 |      | 100.0 |         |
| 10064-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)      | X | 4.79 | 66.89 | 16.62 | 0.86 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.89 | 67.06 | 16.85 |      | 100.0 |         |
|           |                                                | Z | 4.72 | 66.83 | 16.53 |      | 100.0 |         |
| 10065-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)      | X | 4.65 | 66.69 | 16.65 | 1.21 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.75 | 66.91 | 16.90 |      | 100.0 |         |
|           |                                                | Z | 4.58 | 66.62 | 16.55 |      | 100.0 |         |
| 10066-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)      | X | 4.65 | 66.65 | 16.75 | 1.46 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.75 | 66.87 | 17.02 |      | 100.0 |         |
|           |                                                | Z | 4.58 | 66.57 | 16.65 |      | 100.0 |         |
| 10067-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)      | X | 4.93 | 66.86 | 17.17 | 2.04 | 100.0 | ± 9.6 % |
|           |                                                | Y | 5.03 | 67.04 | 17.43 |      | 100.0 |         |
|           |                                                | Z | 4.86 | 66.80 | 17.08 |      | 100.0 |         |
| 10068-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)      | X | 4.95 | 66.74 | 17.28 | 2.55 | 100.0 | ± 9.6 % |
|           |                                                | Y | 5.06 | 66.97 | 17.57 |      | 100.0 |         |
|           |                                                | Z | 4.87 | 66.66 | 17.18 |      | 100.0 |         |
| 10069-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)      | X | 5.02 | 66.76 | 17.45 | 2.67 | 100.0 | ± 9.6 % |
|           |                                                | Y | 5.13 | 66.98 | 17.75 |      | 100.0 |         |
|           |                                                | Z | 4.94 | 66.68 | 17.35 |      | 100.0 |         |
| 10071-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)  | X | 4.79 | 66.54 | 17.04 | 1.99 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.87 | 66.70 | 17.28 |      | 100.0 |         |
|           |                                                | Z | 4.73 | 66.51 | 16.96 |      | 100.0 |         |
| 10072-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps) | X | 4.74 | 66.74 | 17.17 | 2.30 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.83 | 66.96 | 17.45 |      | 100.0 |         |
|           |                                                | Z | 4.67 | 66.68 | 17.09 |      | 100.0 |         |
| 10073-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps) | X | 4.79 | 66.85 | 17.43 | 2.83 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.88 | 67.07 | 17.72 |      | 100.0 |         |
|           |                                                | Z | 4.72 | 66.79 | 17.35 |      | 100.0 |         |
| 10074-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps) | X | 4.78 | 66.76 | 17.54 | 3.30 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.86 | 66.95 | 17.84 |      | 100.0 |         |
|           |                                                | Z | 4.72 | 66.71 | 17.47 |      | 100.0 |         |
| 10075-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps) | X | 4.81 | 66.77 | 17.77 | 3.82 | 90.0  | ± 9.6 % |
|           |                                                | Y | 4.89 | 67.00 | 18.10 |      | 90.0  |         |
|           |                                                | Z | 4.74 | 66.69 | 17.68 |      | 90.0  |         |
| 10076-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps) | X | 4.84 | 66.64 | 17.91 | 4.15 | 90.0  | ± 9.6 % |
|           |                                                | Y | 4.91 | 66.82 | 18.22 |      | 90.0  |         |
|           |                                                | Z | 4.78 | 66.57 | 17.83 |      | 90.0  |         |
| 10077-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps) | X | 4.87 | 66.71 | 18.01 | 4.30 | 90.0  | ± 9.6 % |
|           |                                                | Y | 4.94 | 66.89 | 18.32 |      | 90.0  |         |
|           |                                                | Z | 4.81 | 66.65 | 17.93 |      | 90.0  |         |

|           |                                                     |   |        |        |       |      |       |         |
|-----------|-----------------------------------------------------|---|--------|--------|-------|------|-------|---------|
| 10081-CAB | CDMA2000 (1xRTT, RC3)                               | X | 0.81   | 66.46  | 12.17 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 1.09   | 70.25  | 14.55 |      | 150.0 |         |
|           |                                                     | Z | 0.70   | 64.96  | 10.97 |      | 150.0 |         |
| 10082-CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate) | X | 1.97   | 64.60  | 6.04  | 4.77 | 80.0  | ± 9.6 % |
|           |                                                     | Y | 0.69   | 60.00  | 4.34  |      | 80.0  |         |
|           |                                                     | Z | 0.63   | 60.00  | 4.07  |      | 80.0  |         |
| 10090-DAB | GPRS-FDD (TDMA, GMSK, TN 0-4)                       | X | 10.67  | 83.82  | 17.00 | 6.56 | 60.0  | ± 9.6 % |
|           |                                                     | Y | 100.00 | 107.87 | 23.37 |      | 60.0  |         |
|           |                                                     | Z | 12.01  | 85.11  | 17.17 |      | 60.0  |         |
| 10097-CAB | UMTS-FDD (HSDPA)                                    | X | 1.88   | 68.68  | 16.03 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 2.00   | 69.72  | 16.83 |      | 150.0 |         |
|           |                                                     | Z | 1.81   | 68.27  | 15.64 |      | 150.0 |         |
| 10098-CAB | UMTS-FDD (HSUPA, Subtest 2)                         | X | 1.84   | 68.62  | 16.01 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 1.96   | 69.69  | 16.82 |      | 150.0 |         |
|           |                                                     | Z | 1.77   | 68.20  | 15.60 |      | 150.0 |         |
| 10099-DAB | EDGE-FDD (TDMA, 8PSK, TN 0-4)                       | X | 6.78   | 83.67  | 28.59 | 9.56 | 60.0  | ± 9.6 % |
|           |                                                     | Y | 8.37   | 89.81  | 31.58 |      | 60.0  |         |
|           |                                                     | Z | 5.92   | 80.98  | 27.58 |      | 60.0  |         |
| 10100-CAB | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)            | X | 3.07   | 70.48  | 16.93 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 3.29   | 71.56  | 17.53 |      | 150.0 |         |
|           |                                                     | Z | 2.96   | 69.94  | 16.65 |      | 150.0 |         |
| 10101-CAB | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)          | X | 3.17   | 67.58  | 16.03 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 3.28   | 68.07  | 16.38 |      | 150.0 |         |
|           |                                                     | Z | 3.11   | 67.33  | 15.85 |      | 150.0 |         |
| 10102-CAB | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)          | X | 3.28   | 67.59  | 16.14 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 3.38   | 68.02  | 16.46 |      | 150.0 |         |
|           |                                                     | Z | 3.22   | 67.37  | 15.97 |      | 150.0 |         |
| 10103-CAB | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)            | X | 5.09   | 72.26  | 18.68 | 3.98 | 65.0  | ± 9.6 % |
|           |                                                     | Y | 5.94   | 75.03  | 20.07 |      | 65.0  |         |
|           |                                                     | Z | 4.83   | 71.79  | 18.51 |      | 65.0  |         |
| 10104-CAB | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)          | X | 5.51   | 71.57  | 19.12 | 3.98 | 65.0  | ± 9.6 % |
|           |                                                     | Y | 5.80   | 72.62  | 19.83 |      | 65.0  |         |
|           |                                                     | Z | 5.21   | 70.93  | 18.83 |      | 65.0  |         |
| 10105-CAB | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)          | X | 5.46   | 71.22  | 19.27 | 3.98 | 65.0  | ± 9.6 % |
|           |                                                     | Y | 5.70   | 72.13  | 19.91 |      | 65.0  |         |
|           |                                                     | Z | 4.85   | 69.35  | 18.40 |      | 65.0  |         |
| 10108-CAC | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)            | X | 2.66   | 69.79  | 16.77 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 2.86   | 70.85  | 17.39 |      | 150.0 |         |
|           |                                                     | Z | 2.55   | 69.28  | 16.47 |      | 150.0 |         |
| 10109-CAC | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)          | X | 2.83   | 67.57  | 15.95 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 2.94   | 68.10  | 16.36 |      | 150.0 |         |
|           |                                                     | Z | 2.75   | 67.31  | 15.73 |      | 150.0 |         |
| 10110-CAC | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)             | X | 2.15   | 69.02  | 16.33 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 2.33   | 70.19  | 17.09 |      | 150.0 |         |
|           |                                                     | Z | 2.05   | 68.48  | 15.95 |      | 150.0 |         |
| 10111-CAC | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)           | X | 2.60   | 68.98  | 16.38 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 2.73   | 69.59  | 16.91 |      | 150.0 |         |
|           |                                                     | Z | 2.51   | 68.69  | 16.07 |      | 150.0 |         |

|           |                                                |   |      |       |       |      |       |         |
|-----------|------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10112-CAC | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)     | X | 2.95 | 67.63 | 16.02 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 3.06 | 68.08 | 16.40 |      | 150.0 |         |
|           |                                                | Z | 2.88 | 67.41 | 15.82 |      | 150.0 |         |
| 10113-CAC | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)      | X | 2.75 | 69.17 | 16.52 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 2.88 | 69.69 | 17.01 |      | 150.0 |         |
|           |                                                | Z | 2.67 | 68.91 | 16.23 |      | 150.0 |         |
| 10114-CAB | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)  | X | 5.03 | 67.23 | 16.49 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.11 | 67.42 | 16.66 |      | 150.0 |         |
|           |                                                | Z | 4.97 | 67.15 | 16.41 |      | 150.0 |         |
| 10115-CAB | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)  | X | 5.28 | 67.30 | 16.53 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.37 | 67.45 | 16.67 |      | 150.0 |         |
|           |                                                | Z | 5.21 | 67.22 | 16.45 |      | 150.0 |         |
| 10116-CAB | IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) | X | 5.11 | 67.43 | 16.52 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.20 | 67.60 | 16.67 |      | 150.0 |         |
|           |                                                | Z | 5.05 | 67.34 | 16.44 |      | 150.0 |         |
| 10117-CAB | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)       | X | 5.02 | 67.18 | 16.48 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.08 | 67.29 | 16.61 |      | 150.0 |         |
|           |                                                | Z | 4.96 | 67.10 | 16.41 |      | 150.0 |         |
| 10118-CAB | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)       | X | 5.35 | 67.47 | 16.62 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.44 | 67.65 | 16.78 |      | 150.0 |         |
|           |                                                | Z | 5.29 | 67.40 | 16.55 |      | 150.0 |         |
| 10119-CAB | IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)      | X | 5.11 | 67.41 | 16.52 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.18 | 67.56 | 16.66 |      | 150.0 |         |
|           |                                                | Z | 5.05 | 67.34 | 16.45 |      | 150.0 |         |
| 10140-CAB | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)     | X | 3.30 | 67.60 | 16.05 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 3.41 | 68.03 | 16.37 |      | 150.0 |         |
|           |                                                | Z | 3.24 | 67.38 | 15.88 |      | 150.0 |         |
| 10141-CAB | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)     | X | 3.43 | 67.76 | 16.24 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 3.54 | 68.14 | 16.54 |      | 150.0 |         |
|           |                                                | Z | 3.37 | 67.57 | 16.09 |      | 150.0 |         |
| 10142-CAC | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)        | X | 1.93 | 69.24 | 15.91 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 2.15 | 70.71 | 16.91 |      | 150.0 |         |
|           |                                                | Z | 1.81 | 68.53 | 15.36 |      | 150.0 |         |
| 10143-CAC | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)      | X | 2.48 | 69.96 | 15.95 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 2.69 | 71.04 | 16.80 |      | 150.0 |         |
|           |                                                | Z | 2.34 | 69.32 | 15.36 |      | 150.0 |         |
| 10144-CAC | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)      | X | 2.11 | 66.66 | 13.79 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 2.29 | 67.67 | 14.66 |      | 150.0 |         |
|           |                                                | Z | 1.98 | 66.07 | 13.21 |      | 150.0 |         |
| 10145-CAC | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)      | X | 0.98 | 63.50 | 10.00 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 1.25 | 66.12 | 11.99 |      | 150.0 |         |
|           |                                                | Z | 0.84 | 62.10 | 8.73  |      | 150.0 |         |
| 10146-CAC | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)    | X | 1.14 | 61.59 | 7.85  | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 1.43 | 63.72 | 9.64  |      | 150.0 |         |
|           |                                                | Z | 0.97 | 60.45 | 6.70  |      | 150.0 |         |
| 10147-CAC | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)    | X | 1.22 | 62.17 | 8.27  | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 1.62 | 65.03 | 10.43 |      | 150.0 |         |
|           |                                                | Z | 1.01 | 60.81 | 6.99  |      | 150.0 |         |

|           |                                            |   |      |       |       |      |       |         |
|-----------|--------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10149-CAB | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)  | X | 2.84 | 67.64 | 16.00 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.95 | 68.17 | 16.41 |      | 150.0 |         |
|           |                                            | Z | 2.76 | 67.39 | 15.78 |      | 150.0 |         |
| 10150-CAB | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)  | X | 2.96 | 67.69 | 16.07 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.07 | 68.15 | 16.44 |      | 150.0 |         |
|           |                                            | Z | 2.89 | 67.47 | 15.87 |      | 150.0 |         |
| 10151-CAB | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)    | X | 5.43 | 74.93 | 19.80 | 3.98 | 65.0  | ± 9.6 % |
|           |                                            | Y | 6.01 | 76.87 | 20.87 |      | 65.0  |         |
|           |                                            | Z | 5.05 | 74.21 | 19.53 |      | 65.0  |         |
| 10152-CAB | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)  | X | 4.99 | 71.25 | 18.56 | 3.98 | 65.0  | ± 9.6 % |
|           |                                            | Y | 5.31 | 72.47 | 19.41 |      | 65.0  |         |
|           |                                            | Z | 4.69 | 70.57 | 18.22 |      | 65.0  |         |
| 10153-CAB | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)  | X | 5.37 | 72.38 | 19.45 | 3.98 | 65.0  | ± 9.6 % |
|           |                                            | Y | 5.68 | 73.52 | 20.24 |      | 65.0  |         |
|           |                                            | Z | 5.06 | 71.73 | 19.14 |      | 65.0  |         |
| 10154-CAC | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)    | X | 2.20 | 69.50 | 16.62 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.39 | 70.71 | 17.39 |      | 150.0 |         |
|           |                                            | Z | 2.09 | 68.92 | 16.22 |      | 150.0 |         |
| 10155-CAC | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)  | X | 2.60 | 69.02 | 16.41 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.73 | 69.61 | 16.93 |      | 150.0 |         |
|           |                                            | Z | 2.52 | 68.72 | 16.10 |      | 150.0 |         |
| 10156-CAC | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)     | X | 1.78 | 69.32 | 15.58 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.03 | 71.20 | 16.82 |      | 150.0 |         |
|           |                                            | Z | 1.64 | 68.38 | 14.87 |      | 150.0 |         |
| 10157-CAC | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   | X | 1.95 | 67.23 | 13.73 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.19 | 68.68 | 14.86 |      | 150.0 |         |
|           |                                            | Z | 1.80 | 66.37 | 12.97 |      | 150.0 |         |
| 10158-CAC | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)  | X | 2.76 | 69.27 | 16.59 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.89 | 69.78 | 17.07 |      | 150.0 |         |
|           |                                            | Z | 2.68 | 69.01 | 16.29 |      | 150.0 |         |
| 10159-CAC | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   | X | 2.06 | 67.72 | 14.02 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.32 | 69.25 | 15.18 |      | 150.0 |         |
|           |                                            | Z | 1.89 | 66.77 | 13.21 |      | 150.0 |         |
| 10160-CAB | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)    | X | 2.69 | 69.02 | 16.54 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.84 | 69.79 | 17.06 |      | 150.0 |         |
|           |                                            | Z | 2.60 | 68.65 | 16.27 |      | 150.0 |         |
| 10161-CAB | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)  | X | 2.86 | 67.69 | 15.98 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.97 | 68.16 | 16.39 |      | 150.0 |         |
|           |                                            | Z | 2.78 | 67.46 | 15.76 |      | 150.0 |         |
| 10162-CAB | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)  | X | 2.97 | 67.91 | 16.12 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.08 | 68.33 | 16.51 |      | 150.0 |         |
|           |                                            | Z | 2.90 | 67.70 | 15.91 |      | 150.0 |         |
| 10166-CAC | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)   | X | 3.18 | 68.58 | 18.61 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.31 | 69.20 | 19.08 |      | 150.0 |         |
|           |                                            | Z | 3.06 | 68.22 | 18.42 |      | 150.0 |         |
| 10167-CAC | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | X | 3.71 | 71.22 | 18.98 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.94 | 72.18 | 19.61 |      | 150.0 |         |
|           |                                            | Z | 3.51 | 70.74 | 18.75 |      | 150.0 |         |

|           |                                            |   |      |       |       |      |       |         |
|-----------|--------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10168-CAC | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | X | 4.24 | 74.16 | 20.71 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 4.47 | 74.98 | 21.23 |      | 150.0 |         |
|           |                                            | Z | 4.02 | 73.77 | 20.55 |      | 150.0 |         |
| 10169-CAB | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)      | X | 2.51 | 67.02 | 17.93 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.58 | 67.78 | 18.54 |      | 150.0 |         |
|           |                                            | Z | 2.42 | 66.52 | 17.66 |      | 150.0 |         |
| 10170-CAB | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)    | X | 3.23 | 72.73 | 20.44 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.39 | 74.09 | 21.27 |      | 150.0 |         |
|           |                                            | Z | 3.04 | 71.99 | 20.12 |      | 150.0 |         |
| 10171-AAB | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)    | X | 2.61 | 68.33 | 17.32 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.74 | 69.60 | 18.18 |      | 150.0 |         |
|           |                                            | Z | 2.46 | 67.67 | 16.99 |      | 150.0 |         |
| 10172-CAB | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)      | X | 3.21 | 73.70 | 21.09 | 6.02 | 65.0  | ± 9.6 % |
|           |                                            | Y | 5.41 | 84.38 | 25.84 |      | 65.0  |         |
|           |                                            | Z | 2.87 | 72.35 | 20.61 |      | 65.0  |         |
| 10173-CAB | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)    | X | 5.34 | 80.87 | 22.01 | 6.02 | 65.0  | ± 9.6 % |
|           |                                            | Y | 8.80 | 90.40 | 25.87 |      | 65.0  |         |
|           |                                            | Z | 4.35 | 78.55 | 21.27 |      | 65.0  |         |
| 10174-CAB | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)    | X | 3.64 | 74.27 | 19.02 | 6.02 | 65.0  | ± 9.6 % |
|           |                                            | Y | 7.35 | 86.21 | 23.84 |      | 65.0  |         |
|           |                                            | Z | 2.55 | 69.82 | 17.34 |      | 65.0  |         |
| 10175-CAC | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)      | X | 2.49 | 66.72 | 17.67 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.55 | 67.49 | 18.29 |      | 150.0 |         |
|           |                                            | Z | 2.40 | 66.23 | 17.40 |      | 150.0 |         |
| 10176-CAC | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)    | X | 3.23 | 72.75 | 20.45 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.40 | 74.11 | 21.28 |      | 150.0 |         |
|           |                                            | Z | 3.04 | 72.02 | 20.13 |      | 150.0 |         |
| 10177-CAE | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)       | X | 2.50 | 66.86 | 17.76 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.57 | 67.63 | 18.38 |      | 150.0 |         |
|           |                                            | Z | 2.41 | 66.36 | 17.49 |      | 150.0 |         |
| 10178-CAC | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)     | X | 3.21 | 72.55 | 20.33 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.37 | 73.90 | 21.16 |      | 150.0 |         |
|           |                                            | Z | 3.02 | 71.83 | 20.02 |      | 150.0 |         |
| 10179-CAC | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)    | X | 2.88 | 70.34 | 18.71 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.04 | 71.73 | 19.59 |      | 150.0 |         |
|           |                                            | Z | 2.71 | 69.62 | 18.37 |      | 150.0 |         |
| 10180-CAC | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)     | X | 2.61 | 68.28 | 17.28 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.74 | 69.54 | 18.13 |      | 150.0 |         |
|           |                                            | Z | 2.46 | 67.63 | 16.95 |      | 150.0 |         |
| 10181-CAB | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)      | X | 2.50 | 66.84 | 17.76 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.57 | 67.61 | 18.38 |      | 150.0 |         |
|           |                                            | Z | 2.41 | 66.34 | 17.48 |      | 150.0 |         |
| 10182-CAB | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)    | X | 3.20 | 72.52 | 20.32 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.36 | 73.87 | 21.15 |      | 150.0 |         |
|           |                                            | Z | 3.01 | 71.80 | 20.01 |      | 150.0 |         |
| 10183-AAA | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)    | X | 2.60 | 68.25 | 17.27 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.73 | 69.52 | 18.12 |      | 150.0 |         |
|           |                                            | Z | 2.46 | 67.60 | 16.94 |      | 150.0 |         |

|           |                                               |   |      |       |       |      |       |         |
|-----------|-----------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10184-CAC | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)          | X | 2.51 | 66.88 | 17.78 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 2.58 | 67.66 | 18.40 |      | 150.0 |         |
|           |                                               | Z | 2.42 | 66.38 | 17.50 |      | 150.0 |         |
| 10185-CAC | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)        | X | 3.22 | 72.60 | 20.36 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 3.38 | 73.95 | 21.19 |      | 150.0 |         |
|           |                                               | Z | 3.03 | 71.88 | 20.05 |      | 150.0 |         |
| 10186-AAC | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)        | X | 2.62 | 68.32 | 17.30 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 2.75 | 69.59 | 18.15 |      | 150.0 |         |
|           |                                               | Z | 2.47 | 67.66 | 16.97 |      | 150.0 |         |
| 10187-CAC | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)        | X | 2.52 | 66.95 | 17.86 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 2.59 | 67.71 | 18.47 |      | 150.0 |         |
|           |                                               | Z | 2.43 | 66.45 | 17.58 |      | 150.0 |         |
| 10188-CAC | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)      | X | 3.32 | 73.31 | 20.79 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 3.49 | 74.67 | 21.61 |      | 150.0 |         |
|           |                                               | Z | 3.12 | 72.57 | 20.47 |      | 150.0 |         |
| 10189-AAC | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)      | X | 2.67 | 68.72 | 17.59 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 2.81 | 70.03 | 18.46 |      | 150.0 |         |
|           |                                               | Z | 2.52 | 68.05 | 17.25 |      | 150.0 |         |
| 10193-CAB | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)  | X | 4.44 | 66.85 | 16.21 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.51 | 66.94 | 16.38 |      | 150.0 |         |
|           |                                               | Z | 4.38 | 66.82 | 16.13 |      | 150.0 |         |
| 10194-CAB | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) | X | 4.58 | 67.10 | 16.34 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.67 | 67.22 | 16.51 |      | 150.0 |         |
|           |                                               | Z | 4.52 | 67.05 | 16.26 |      | 150.0 |         |
| 10195-CAB | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) | X | 4.62 | 67.12 | 16.36 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.71 | 67.25 | 16.52 |      | 150.0 |         |
|           |                                               | Z | 4.55 | 67.07 | 16.27 |      | 150.0 |         |
| 10196-CAB | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)       | X | 4.42 | 66.86 | 16.21 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.50 | 66.98 | 16.39 |      | 150.0 |         |
|           |                                               | Z | 4.36 | 66.82 | 16.11 |      | 150.0 |         |
| 10197-CAB | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)      | X | 4.59 | 67.11 | 16.35 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.68 | 67.24 | 16.51 |      | 150.0 |         |
|           |                                               | Z | 4.53 | 67.05 | 16.26 |      | 150.0 |         |
| 10198-CAB | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)      | X | 4.62 | 67.13 | 16.36 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.71 | 67.26 | 16.53 |      | 150.0 |         |
|           |                                               | Z | 4.55 | 67.07 | 16.27 |      | 150.0 |         |
| 10219-CAB | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)       | X | 4.38 | 66.89 | 16.18 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.46 | 67.01 | 16.36 |      | 150.0 |         |
|           |                                               | Z | 4.32 | 66.85 | 16.09 |      | 150.0 |         |
| 10220-CAB | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)    | X | 4.59 | 67.07 | 16.34 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.67 | 67.20 | 16.50 |      | 150.0 |         |
|           |                                               | Z | 4.52 | 67.02 | 16.25 |      | 150.0 |         |
| 10221-CAB | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)    | X | 4.63 | 67.07 | 16.35 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.72 | 67.19 | 16.51 |      | 150.0 |         |
|           |                                               | Z | 4.56 | 67.01 | 16.26 |      | 150.0 |         |
| 10222-CAB | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)        | X | 4.99 | 67.16 | 16.46 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 5.06 | 67.29 | 16.60 |      | 150.0 |         |
|           |                                               | Z | 4.93 | 67.08 | 16.39 |      | 150.0 |         |

|           |                                           |   |      |       |       |      |       |         |
|-----------|-------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10223-CAB | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)  | X | 5.26 | 67.35 | 16.57 | 0.00 | 150.0 | ± 9.6 % |
|           |                                           | Y | 5.35 | 67.51 | 16.72 |      | 150.0 |         |
|           |                                           | Z | 5.20 | 67.28 | 16.50 |      | 150.0 |         |
| 10224-CAB | IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM) | X | 5.03 | 67.27 | 16.45 | 0.00 | 150.0 | ± 9.6 % |
|           |                                           | Y | 5.10 | 67.41 | 16.59 |      | 150.0 |         |
|           |                                           | Z | 4.97 | 67.20 | 16.38 |      | 150.0 |         |
| 10225-CAB | UMTS-FDD (HSPA+)                          | X | 2.73 | 66.47 | 15.25 | 0.00 | 150.0 | ± 9.6 % |
|           |                                           | Y | 2.82 | 66.82 | 15.69 |      | 150.0 |         |
|           |                                           | Z | 2.66 | 66.29 | 14.96 |      | 150.0 |         |
| 10226-CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)  | X | 5.64 | 81.87 | 22.47 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 9.50 | 91.86 | 26.45 |      | 65.0  |         |
|           |                                           | Z | 4.58 | 79.49 | 21.73 |      | 65.0  |         |
| 10227-CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)  | X | 5.47 | 80.39 | 21.30 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 9.12 | 89.64 | 25.00 |      | 65.0  |         |
|           |                                           | Z | 4.50 | 78.32 | 20.64 |      | 65.0  |         |
| 10228-CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)    | X | 4.29 | 79.15 | 23.31 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 5.81 | 85.87 | 26.43 |      | 65.0  |         |
|           |                                           | Z | 3.55 | 76.42 | 22.35 |      | 65.0  |         |
| 10229-CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)    | X | 5.38 | 80.97 | 22.06 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 8.88 | 90.52 | 25.92 |      | 65.0  |         |
|           |                                           | Z | 4.39 | 78.65 | 21.32 |      | 65.0  |         |
| 10230-CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)    | X | 5.19 | 79.50 | 20.90 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 8.46 | 88.34 | 24.49 |      | 65.0  |         |
|           |                                           | Z | 4.27 | 77.47 | 20.25 |      | 65.0  |         |
| 10231-CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)      | X | 4.15 | 78.46 | 22.96 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 5.58 | 85.00 | 26.04 |      | 65.0  |         |
|           |                                           | Z | 3.44 | 75.80 | 22.01 |      | 65.0  |         |
| 10232-CAB | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)    | X | 5.37 | 80.95 | 22.05 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 8.86 | 90.50 | 25.91 |      | 65.0  |         |
|           |                                           | Z | 4.38 | 78.63 | 21.31 |      | 65.0  |         |
| 10233-CAB | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)    | X | 5.18 | 79.48 | 20.89 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 8.44 | 88.30 | 24.49 |      | 65.0  |         |
|           |                                           | Z | 4.26 | 77.45 | 20.24 |      | 65.0  |         |
| 10234-CAB | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)      | X | 4.03 | 77.85 | 22.61 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 5.39 | 84.23 | 25.63 |      | 65.0  |         |
|           |                                           | Z | 3.36 | 75.26 | 21.67 |      | 65.0  |         |
| 10235-CAB | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)   | X | 5.37 | 80.96 | 22.06 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 8.87 | 90.53 | 25.92 |      | 65.0  |         |
|           |                                           | Z | 4.38 | 78.64 | 21.32 |      | 65.0  |         |
| 10236-CAB | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)   | X | 5.22 | 79.58 | 20.92 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 8.54 | 88.47 | 24.53 |      | 65.0  |         |
|           |                                           | Z | 4.30 | 77.55 | 20.27 |      | 65.0  |         |
| 10237-CAB | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)     | X | 4.14 | 78.47 | 22.97 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 5.58 | 85.04 | 26.05 |      | 65.0  |         |
|           |                                           | Z | 3.44 | 75.80 | 22.02 |      | 65.0  |         |
| 10238-CAB | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)   | X | 5.36 | 80.92 | 22.04 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 8.83 | 90.47 | 25.90 |      | 65.0  |         |
|           |                                           | Z | 4.37 | 78.60 | 21.30 |      | 65.0  |         |

|           |                                            |   |      |       |       |      |      |         |
|-----------|--------------------------------------------|---|------|-------|-------|------|------|---------|
| 10239-CAB | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)    | X | 5.16 | 79.44 | 20.88 | 6.02 | 65.0 | ± 9.6 % |
|           |                                            | Y | 8.40 | 88.26 | 24.47 |      | 65.0 |         |
|           |                                            | Z | 4.25 | 77.41 | 20.22 |      | 65.0 |         |
| 10240-CAB | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)      | X | 4.13 | 78.45 | 22.96 | 6.02 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.56 | 85.00 | 26.04 |      | 65.0 |         |
|           |                                            | Z | 3.43 | 75.78 | 22.01 |      | 65.0 |         |
| 10241-CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | X | 6.32 | 77.33 | 23.19 | 6.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 6.83 | 79.07 | 24.32 |      | 65.0 |         |
|           |                                            | Z | 5.85 | 76.53 | 22.90 |      | 65.0 |         |
| 10242-CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | X | 5.41 | 74.28 | 21.81 | 6.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 6.56 | 78.27 | 23.90 |      | 65.0 |         |
|           |                                            | Z | 5.11 | 73.90 | 21.69 |      | 65.0 |         |
| 10243-CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)   | X | 4.63 | 71.43 | 21.36 | 6.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.41 | 74.82 | 23.30 |      | 65.0 |         |
|           |                                            | Z | 4.46 | 71.24 | 21.31 |      | 65.0 |         |
| 10244-CAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)   | X | 3.46 | 67.82 | 13.46 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 4.18 | 70.76 | 15.44 |      | 65.0 |         |
|           |                                            | Z | 3.04 | 66.54 | 12.52 |      | 65.0 |         |
| 10245-CAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)   | X | 3.42 | 67.45 | 13.23 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 4.10 | 70.22 | 15.15 |      | 65.0 |         |
|           |                                            | Z | 3.01 | 66.20 | 12.30 |      | 65.0 |         |
| 10246-CAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)     | X | 3.32 | 70.45 | 15.27 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 4.26 | 74.44 | 17.56 |      | 65.0 |         |
|           |                                            | Z | 2.88 | 68.96 | 14.34 |      | 65.0 |         |
| 10247-CAB | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   | X | 3.80 | 69.48 | 15.56 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 4.30 | 71.61 | 17.07 |      | 65.0 |         |
|           |                                            | Z | 3.45 | 68.47 | 14.85 |      | 65.0 |         |
| 10248-CAB | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   | X | 3.81 | 69.08 | 15.37 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 4.29 | 71.09 | 16.82 |      | 65.0 |         |
|           |                                            | Z | 3.46 | 68.07 | 14.65 |      | 65.0 |         |
| 10249-CAB | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)     | X | 4.40 | 74.66 | 18.22 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.55 | 78.71 | 20.35 |      | 65.0 |         |
|           |                                            | Z | 3.90 | 73.31 | 17.51 |      | 65.0 |         |
| 10250-CAB | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)  | X | 4.90 | 73.09 | 19.19 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.31 | 74.69 | 20.27 |      | 65.0 |         |
|           |                                            | Z | 4.56 | 72.33 | 18.77 |      | 65.0 |         |
| 10251-CAB | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)  | X | 4.68 | 71.16 | 17.95 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.06 | 72.64 | 19.00 |      | 65.0 |         |
|           |                                            | Z | 4.35 | 70.39 | 17.48 |      | 65.0 |         |
| 10252-CAB | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)    | X | 5.18 | 76.38 | 20.19 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 6.02 | 79.24 | 21.71 |      | 65.0 |         |
|           |                                            | Z | 4.72 | 75.39 | 19.77 |      | 65.0 |         |
| 10253-CAB | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)  | X | 4.93 | 70.91 | 18.34 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.22 | 72.04 | 19.17 |      | 65.0 |         |
|           |                                            | Z | 4.64 | 70.27 | 17.99 |      | 65.0 |         |
| 10254-CAB | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)  | X | 5.26 | 71.89 | 19.10 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.56 | 72.97 | 19.90 |      | 65.0 |         |
|           |                                            | Z | 4.96 | 71.27 | 18.76 |      | 65.0 |         |

|           |                                             |   |      |       |       |      |      |         |
|-----------|---------------------------------------------|---|------|-------|-------|------|------|---------|
| 10255-CAB | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)     | X | 5.23 | 74.43 | 19.75 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 5.74 | 76.23 | 20.81 |      | 65.0 |         |
|           |                                             | Z | 4.87 | 73.71 | 19.45 |      | 65.0 |         |
| 10256-CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | X | 2.60 | 64.35 | 10.57 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 3.05 | 66.48 | 12.27 |      | 65.0 |         |
|           |                                             | Z | 2.27 | 63.25 | 9.62  |      | 65.0 |         |
| 10257-CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | X | 2.58 | 64.01 | 10.30 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 3.01 | 65.98 | 11.93 |      | 65.0 |         |
|           |                                             | Z | 2.26 | 62.95 | 9.37  |      | 65.0 |         |
| 10258-CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)   | X | 2.45 | 66.14 | 12.21 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 3.02 | 69.15 | 14.26 |      | 65.0 |         |
|           |                                             | Z | 2.13 | 64.83 | 11.22 |      | 65.0 |         |
| 10259-CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)   | X | 4.23 | 70.89 | 16.91 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 4.71 | 72.85 | 18.27 |      | 65.0 |         |
|           |                                             | Z | 3.88 | 69.97 | 16.30 |      | 65.0 |         |
| 10260-CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)   | X | 4.27 | 70.70 | 16.82 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 4.74 | 72.59 | 18.15 |      | 65.0 |         |
|           |                                             | Z | 3.92 | 69.80 | 16.21 |      | 65.0 |         |
| 10261-CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)     | X | 4.56 | 74.82 | 18.80 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 5.47 | 78.15 | 20.61 |      | 65.0 |         |
|           |                                             | Z | 4.11 | 73.69 | 18.21 |      | 65.0 |         |
| 10262-CAB | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)   | X | 4.88 | 73.02 | 19.14 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 5.29 | 74.62 | 20.22 |      | 65.0 |         |
|           |                                             | Z | 4.55 | 72.25 | 18.71 |      | 65.0 |         |
| 10263-CAB | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)   | X | 4.67 | 71.14 | 17.94 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 5.06 | 72.62 | 18.99 |      | 65.0 |         |
|           |                                             | Z | 4.35 | 70.37 | 17.48 |      | 65.0 |         |
| 10264-CAB | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)     | X | 5.13 | 76.19 | 20.09 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 5.96 | 79.03 | 21.61 |      | 65.0 |         |
|           |                                             | Z | 4.68 | 75.21 | 19.67 |      | 65.0 |         |
| 10265-CAB | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)  | X | 4.99 | 71.26 | 18.57 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 5.31 | 72.48 | 19.41 |      | 65.0 |         |
|           |                                             | Z | 4.69 | 70.57 | 18.23 |      | 65.0 |         |
| 10266-CAB | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)  | X | 5.37 | 72.37 | 19.44 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 5.68 | 73.50 | 20.23 |      | 65.0 |         |
|           |                                             | Z | 5.06 | 71.72 | 19.12 |      | 65.0 |         |
| 10267-CAB | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)    | X | 5.42 | 74.89 | 19.78 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 6.00 | 76.83 | 20.86 |      | 65.0 |         |
|           |                                             | Z | 5.04 | 74.18 | 19.51 |      | 65.0 |         |
| 10268-CAB | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)  | X | 5.69 | 71.63 | 19.24 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 5.96 | 72.56 | 19.90 |      | 65.0 |         |
|           |                                             | Z | 5.40 | 71.03 | 18.97 |      | 65.0 |         |
| 10269-CAB | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)  | X | 5.71 | 71.34 | 19.16 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 5.96 | 72.20 | 19.79 |      | 65.0 |         |
|           |                                             | Z | 5.43 | 70.77 | 18.89 |      | 65.0 |         |
| 10270-CAB | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)    | X | 5.61 | 73.22 | 19.29 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 5.98 | 74.47 | 20.05 |      | 65.0 |         |
|           |                                             | Z | 5.30 | 72.66 | 19.08 |      | 65.0 |         |