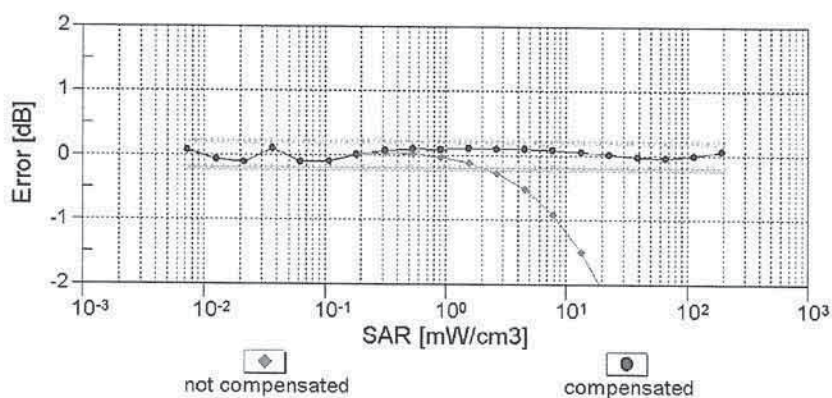
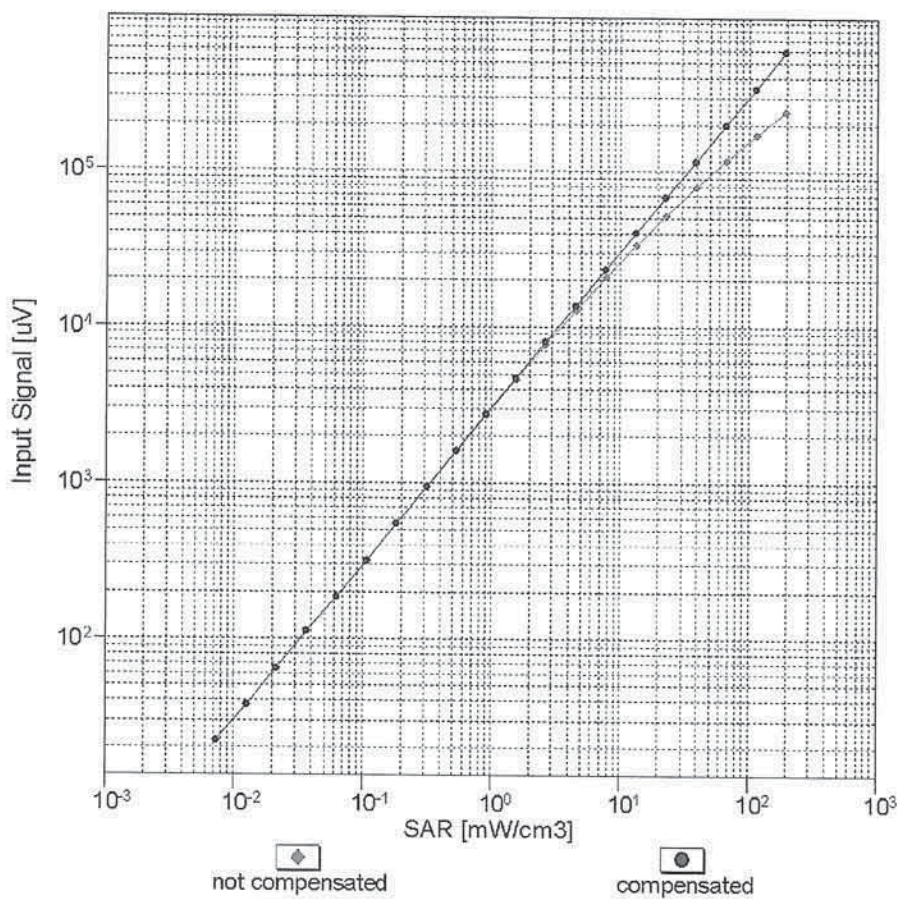
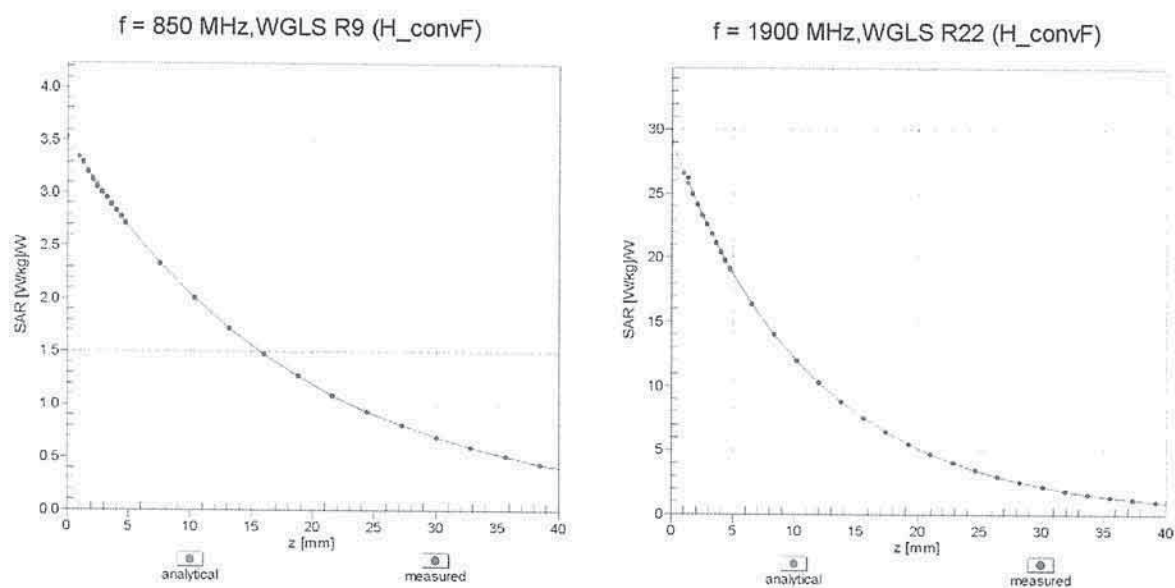


# Dynamic Range $f(\text{SAR}_{\text{head}})$ (TEM cell, $f_{\text{eval}} = 1900 \text{ MHz}$ )



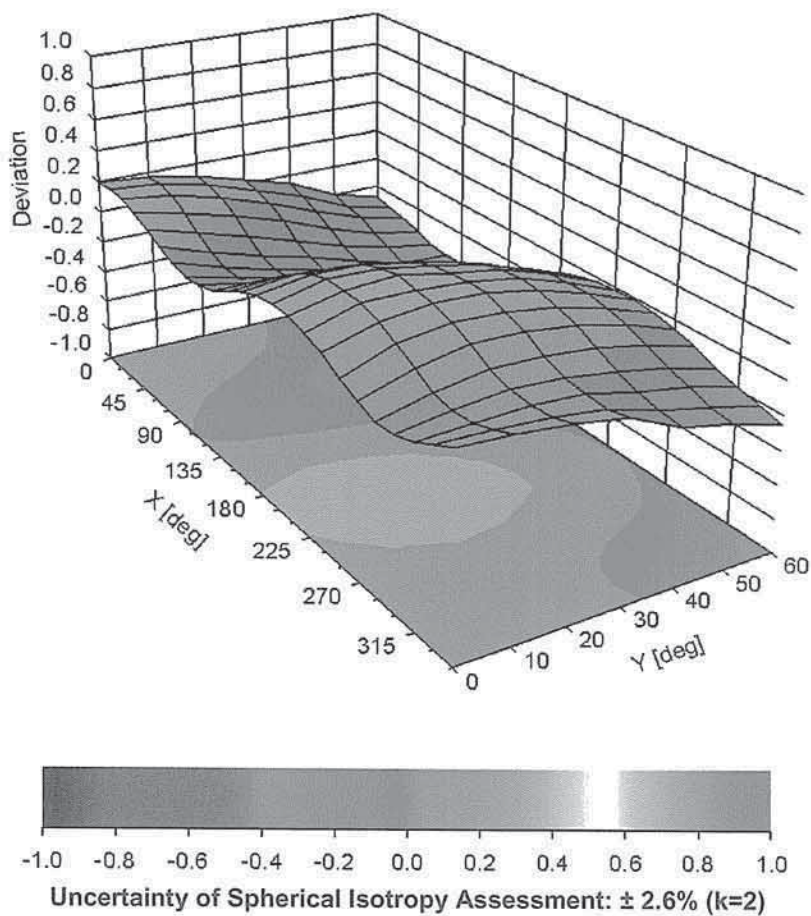
Uncertainty of Linearity Assessment:  $\pm 0.6\%$  ( $k=2$ )

## Conversion Factor Assessment



## Deviation from Isotropy in Liquid

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



## DASY/EASY - Parameters of Probe: EX3DV4 - SN:3744

### Other Probe Parameters

|                                               |            |
|-----------------------------------------------|------------|
| Sensor Arrangement                            | Triangular |
| Connector Angle (°)                           | 72.5       |
| 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     |



Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client **Huawei-SZ (Auden)**

Certificate No: **EX3-7381\_Oct17**

## CALIBRATION CERTIFICATE

Object **EX3DV4 - SN:7381**

Calibration procedure(s) **QA CAL-01.v9, QA CAL-14.v4, QA CAL-23.v5, QA CAL-25.v6  
Calibration procedure for dosimetric E-field probes**

Calibration date: **October 24, 2017**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).  
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature  $(22 \pm 3)^{\circ}\text{C}$  and humidity  $< 70\%$ .

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards          | ID               | Cal Date (Certificate No.)        | Scheduled Calibration  |
|----------------------------|------------------|-----------------------------------|------------------------|
| Power meter NRP            | SN: 104778       | 04-Apr-17 (No. 217-02521/02522)   | Apr-18                 |
| Power sensor NRP-Z91       | SN: 103244       | 04-Apr-17 (No. 217-02521)         | Apr-18                 |
| Power sensor NRP-Z91       | SN: 103245       | 04-Apr-17 (No. 217-02525)         | Apr-18                 |
| Reference 20 dB Attenuator | SN: S5277 (20x)  | 07-Apr-17 (No. 217-02528)         | Apr-18                 |
| Reference Probe ES3DV2     | SN: 3013         | 31-Dec-16 (No. ES3-3013_Dec16)    | Dec-17                 |
| DAE4                       | SN: 660          | 7-Dec-16 (No. DAE4-660_Dec16)     | Dec-17                 |
| Secondary Standards        | ID               | Check Date (in house)             | Scheduled Check        |
| Power meter E4419B         | SN: GB41293874   | 06-Apr-16 (in house check Jun-16) | In house check: Jun-18 |
| Power sensor E4412A        | SN: MY41498087   | 06-Apr-16 (in house check Jun-16) | In house check: Jun-18 |
| Power sensor E4412A        | SN: 000110210    | 06-Apr-16 (in house check Jun-16) | In house check: Jun-18 |
| RF generator HP 8648C      | SN: US3642U01700 | 04-Aug-99 (in house check Jun-16) | In house check: Jun-18 |
| Network Analyzer HP 8753E  | SN: US37390585   | 18-Oct-01 (in house check Oct-17) | In house check: Oct-18 |

|                                                                                                                 | Name          | Function              | Signature                |
|-----------------------------------------------------------------------------------------------------------------|---------------|-----------------------|--------------------------|
| Calibrated by:                                                                                                  | Michael Weber | Laboratory Technician |                          |
| Approved by:                                                                                                    | Katja Pokovic | Technical Manager     |                          |
| This calibration certificate shall not be reproduced except in full without written approval of the laboratory. |               |                       | Issued: October 26, 2017 |



Accredited by the Swiss Accreditation Service (SAS)

Accreditation No.: **SCS 0108**

The Swiss Accreditation Service is one of the signatories to the EA  
 Multilateral Agreement for the recognition of calibration certificates

### Glossary:

|                          |                                                                                                                                                         |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| TSL                      | tissue simulating liquid                                                                                                                                |
| NORM <sub>x,y,z</sub>    | sensitivity in free space                                                                                                                               |
| ConvF                    | sensitivity in TSL / NORM <sub>x,y,z</sub>                                                                                                              |
| DCP                      | diode compression point                                                                                                                                 |
| CF                       | crest factor (1/duty_cycle) of the RF signal                                                                                                            |
| A, B, C, D               | modulation dependent linearization parameters                                                                                                           |
| Polarization $\varphi$   | $\varphi$ rotation around probe axis                                                                                                                    |
| Polarization $\vartheta$ | $\vartheta$ rotation around an axis that is in the plane normal to probe axis (at measurement center),<br>i.e., $\vartheta = 0$ is normal to probe axis |
| Connector Angle          | information used in DASY system to align probe sensor X to the robot coordinate system                                                                  |

### Calibration is Performed According to the Following Standards:

- IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- IEC 62209-1, "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

### Methods Applied and Interpretation of Parameters:

- NORM<sub>x,y,z</sub>**: Assessed for E-field polarization  $\vartheta = 0$  ( $f \leq 900$  MHz in TEM-cell;  $f > 1800$  MHz: R22 waveguide). NORM<sub>x,y,z</sub> are only intermediate values, i.e., the uncertainties of NORM<sub>x,y,z</sub> does not affect the E<sup>2</sup>-field uncertainty inside TSL (see below ConvF).
- NORM(f)<sub>x,y,z</sub> = NORM<sub>x,y,z</sub> \* frequency\_response** (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCP<sub>x,y,z</sub>**: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- PAR**: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- A<sub>x,y,z</sub>; B<sub>x,y,z</sub>; C<sub>x,y,z</sub>; D<sub>x,y,z</sub>; VR<sub>x,y,z</sub>**: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters**: Assessed in flat phantom using E-field (or Temperature Transfer Standard for  $f \leq 800$  MHz) and inside waveguide using analytical field distributions based on power measurements for  $f > 800$  MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORM<sub>x,y,z</sub> \* ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from  $\pm 50$  MHz to  $\pm 100$  MHz.
- Spherical isotropy (3D deviation from isotropy)**: in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset**: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle**: The angle is assessed using the information gained by determining the NORM<sub>x</sub> (no uncertainty required).

# Probe EX3DV4

## SN:7381

|               |                  |
|---------------|------------------|
| Manufactured: | April 13, 2015   |
| Repaired:     | October 10, 2017 |
| Calibrated:   | October 24, 2017 |

Calibrated for DASY/EASY Systems  
(Note: non-compatible with DASY2 system!)

## DASY/EASY - Parameters of Probe: EX3DV4 - SN:7381

### Basic Calibration Parameters

|                                                           | Sensor X | Sensor Y | Sensor Z | Unc (k=2)     |
|-----------------------------------------------------------|----------|----------|----------|---------------|
| Norm ( $\mu\text{V}/(\text{V}/\text{m})^2$ ) <sup>A</sup> | 0.63     | 0.53     | 0.37     | $\pm 10.1 \%$ |
| DCP (mV) <sup>B</sup>                                     | 94.7     | 94.3     | 92.8     |               |

### 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    | 148.0    | $\pm 2.7 \%$              |
|     |                           | Y | 0.0     | 0.0                          | 1.0 |         | 158.5    |                           |
|     |                           | Z | 0.0     | 0.0                          | 1.0 |         | 147.0    |                           |

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 | 50.82    | 394.0    | 37.99                       | 9.997                               | 0                                   | 4.982    | 0                     | 0.460                 | 1.008 |
| Y | 47.51    | 365.1    | 37.24                       | 6.995                               | 0                                   | 5.041    | 0                     | 0.373                 | 1.010 |
| Z | 56.98    | 446.4    | 38.63                       | 8.733                               | 0                                   | 5.063    | 0                     | 0.473                 | 1.008 |

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:7381

### 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                            | 10.61   | 10.61   | 10.61   | 0.32               | 1.06                    | ± 12.0 %  |
| 850                  | 41.5                               | 0.92                            | 10.09   | 10.09   | 10.09   | 0.47               | 0.80                    | ± 12.0 %  |
| 1750                 | 40.1                               | 1.37                            | 8.77    | 8.77    | 8.77    | 0.31               | 0.84                    | ± 12.0 %  |
| 1900                 | 40.0                               | 1.40                            | 8.47    | 8.47    | 8.47    | 0.30               | 0.87                    | ± 12.0 %  |
| 2300                 | 39.5                               | 1.67                            | 8.23    | 8.23    | 8.23    | 0.30               | 0.85                    | ± 12.0 %  |
| 2450                 | 39.2                               | 1.80                            | 7.84    | 7.84    | 7.84    | 0.36               | 0.83                    | ± 12.0 %  |
| 2600                 | 39.0                               | 1.96                            | 7.69    | 7.69    | 7.69    | 0.36               | 0.89                    | ± 12.0 %  |
| 5250                 | 35.9                               | 4.71                            | 5.83    | 5.83    | 5.83    | 0.35               | 1.80                    | ± 13.1 %  |
| 5600                 | 35.5                               | 5.07                            | 5.06    | 5.06    | 5.06    | 0.40               | 1.80                    | ± 13.1 %  |
| 5750                 | 35.4                               | 5.22                            | 5.20    | 5.20    | 5.20    | 0.40               | 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:7381

### 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                            | 10.66   | 10.66   | 10.66   | 0.50               | 0.80                    | ± 12.0 %  |
| 850                  | 55.2                               | 0.99                            | 10.37   | 10.37   | 10.37   | 0.43               | 0.85                    | ± 12.0 %  |
| 1750                 | 53.4                               | 1.49                            | 8.74    | 8.74    | 8.74    | 0.41               | 0.80                    | ± 12.0 %  |
| 1900                 | 53.3                               | 1.52                            | 8.29    | 8.29    | 8.29    | 0.39               | 0.80                    | ± 12.0 %  |
| 2300                 | 52.9                               | 1.81                            | 8.10    | 8.10    | 8.10    | 0.34               | 0.87                    | ± 12.0 %  |
| 2450                 | 52.7                               | 1.95                            | 7.93    | 7.93    | 7.93    | 0.30               | 0.87                    | ± 12.0 %  |
| 2600                 | 52.5                               | 2.16                            | 7.73    | 7.73    | 7.73    | 0.26               | 0.98                    | ± 12.0 %  |
| 5250                 | 48.9                               | 5.36                            | 4.90    | 4.90    | 4.90    | 0.40               | 1.90                    | ± 13.1 %  |
| 5600                 | 48.5                               | 5.77                            | 4.35    | 4.35    | 4.35    | 0.45               | 1.90                    | ± 13.1 %  |
| 5750                 | 48.3                               | 5.94                            | 4.51    | 4.51    | 4.51    | 0.45               | 1.90                    | ± 13.1 %  |

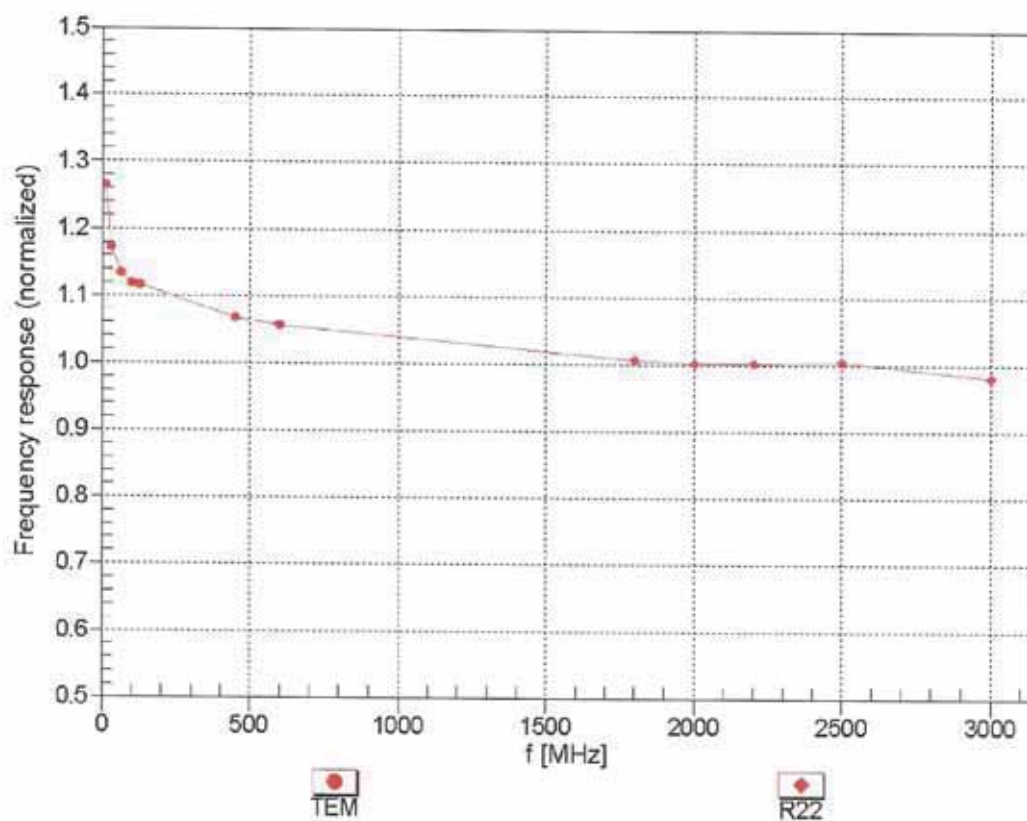
<sup>C</sup> Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below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

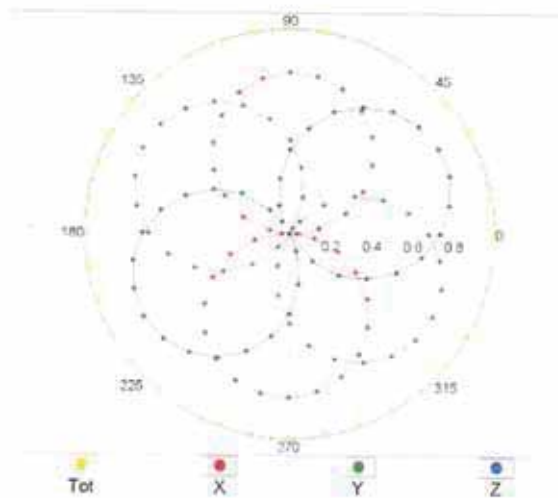
(TEM-Cell:ifi110 EXX, Waveguide: R22)



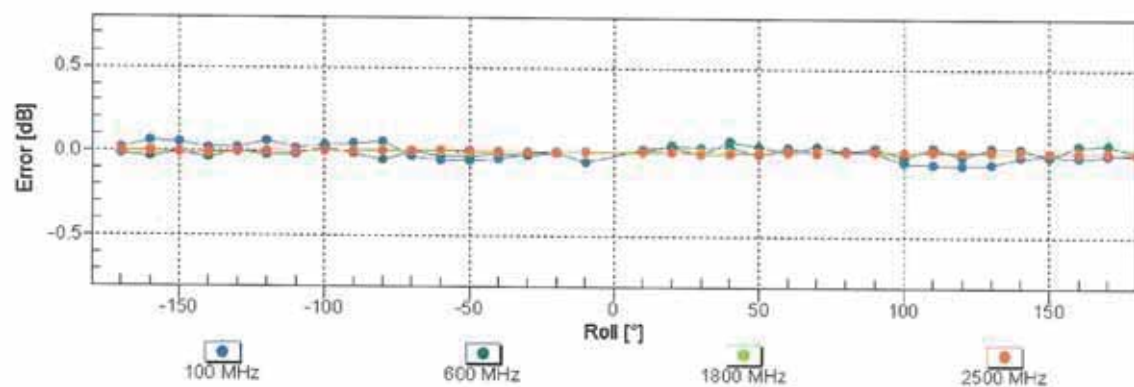
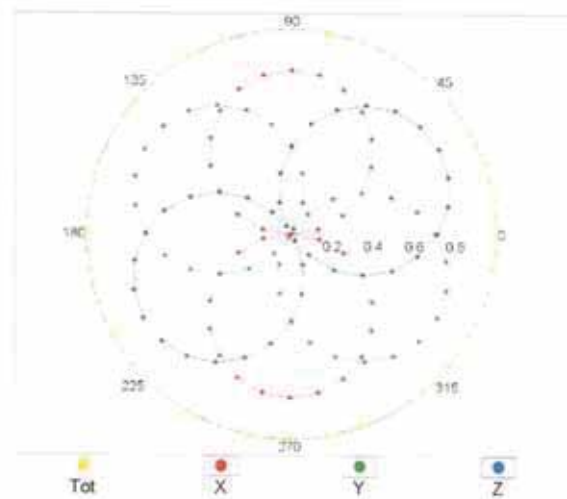
Uncertainty of Frequency Response of E-field:  $\pm 6.3\%$  ( $k=2$ )

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

f=600 MHz,TEM

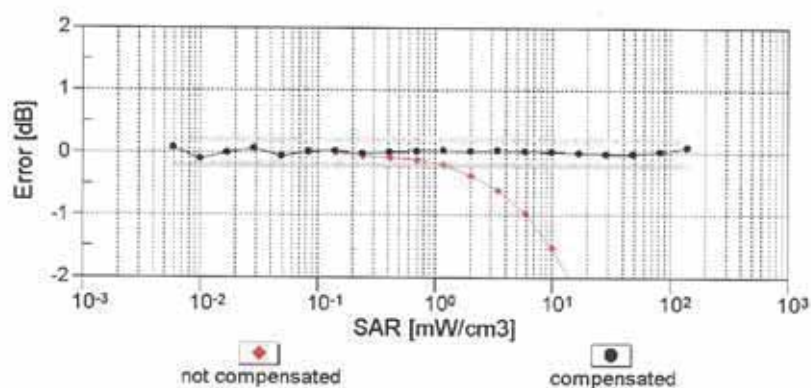
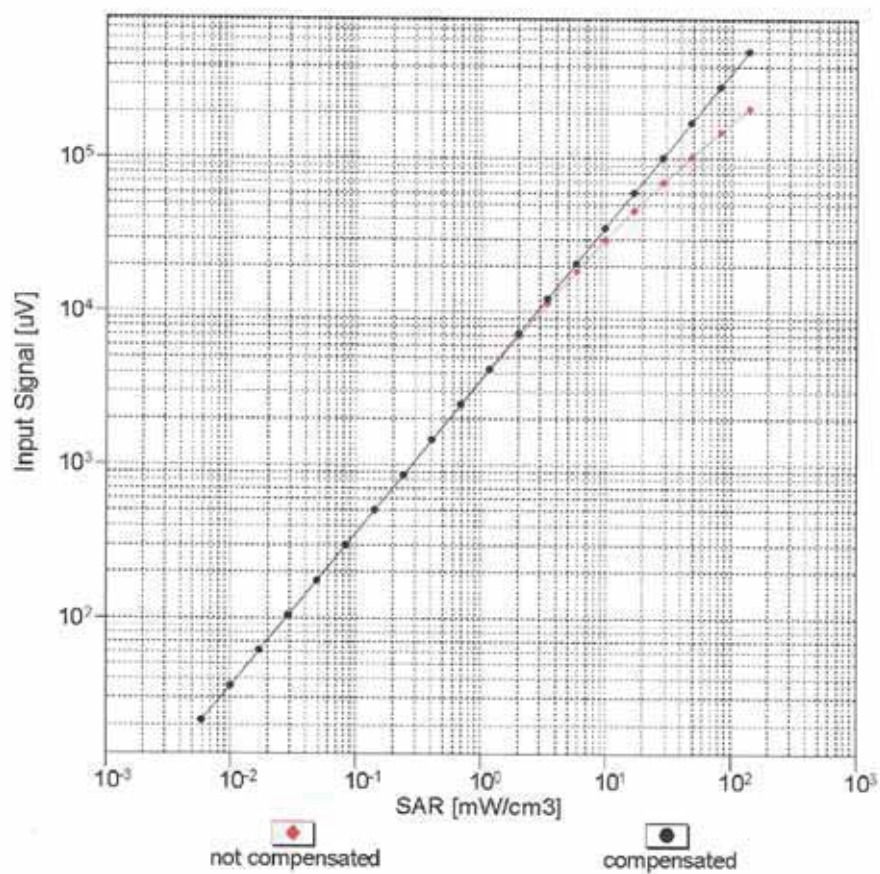


f=1800 MHz,R22



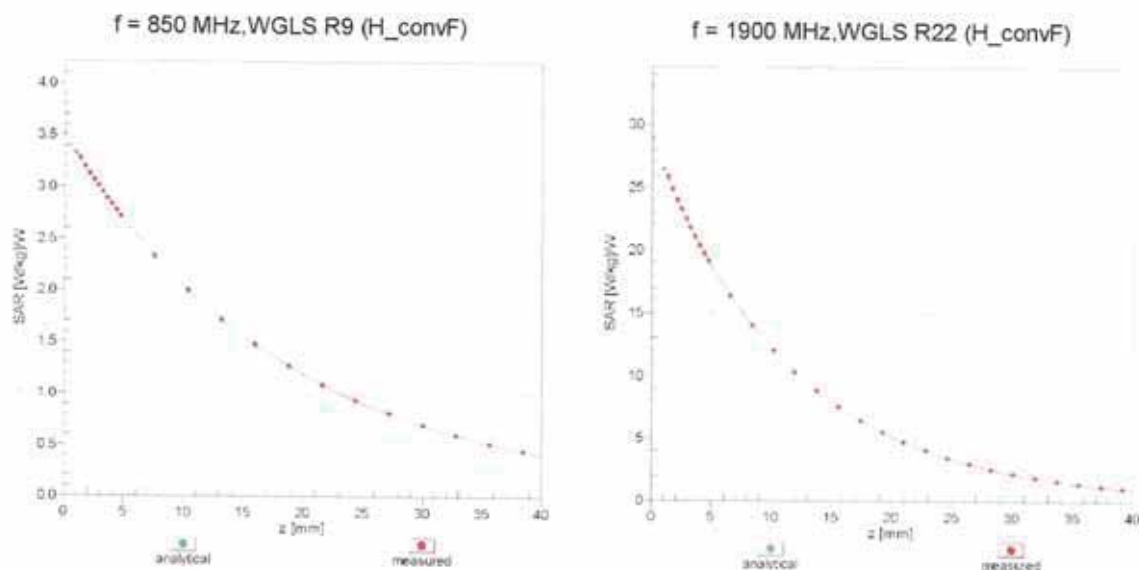
Uncertainty of Axial Isotropy Assessment:  $\pm 0.5\%$  ( $k=2$ )

# Dynamic Range $f(\text{SAR}_{\text{head}})$ (TEM cell , $f_{\text{eval}} = 1900 \text{ MHz}$ )



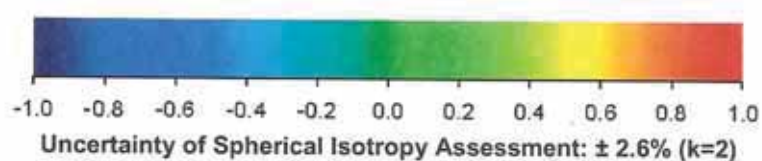
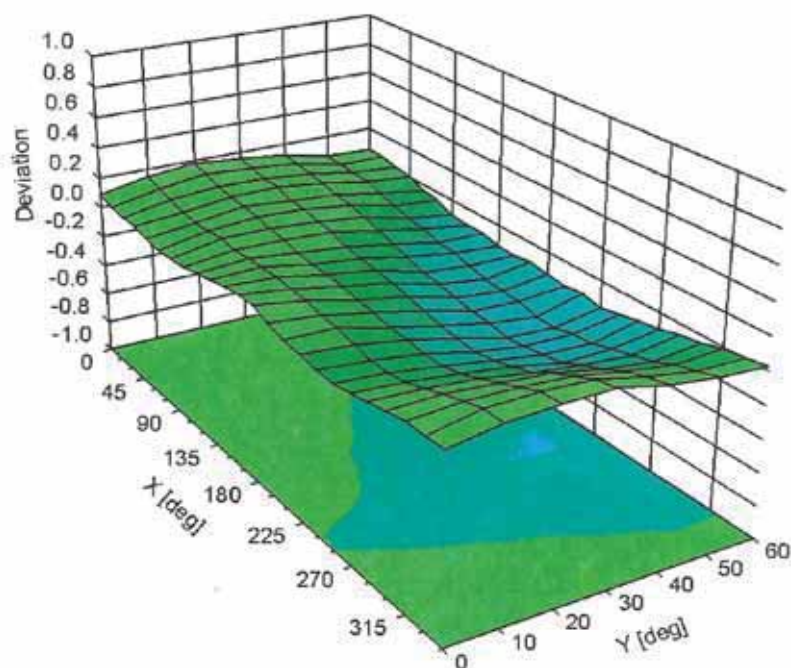
Uncertainty of Linearity Assessment:  $\pm 0.6\%$  ( $k=2$ )

## Conversion Factor Assessment



## Deviation from Isotropy in Liquid

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



## DASY/EASY - Parameters of Probe: EX3DV4 - SN:7381

### Other Probe Parameters

|                                               |            |
|-----------------------------------------------|------------|
| Sensor Arrangement                            | Triangular |
| Connector Angle (°)                           | 20         |
| 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 $\mu$ 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    | 148.0    | $\pm 2.7\%$                      |
|               |                                               | Y | 0.00    | 0.00            | 1.00  |         | 158.5    |                                  |
|               |                                               | Z | 0.00    | 0.00            | 1.00  |         | 147.0    |                                  |
| 10010-<br>CAA | SAR Validation (Square, 100ms, 10ms)          | X | 1.07    | 60.46           | 5.97  | 10.00   | 20.0     | $\pm 9.6\%$                      |
|               |                                               | Y | 1.41    | 62.48           | 7.68  |         | 20.0     |                                  |
|               |                                               | Z | 1.53    | 63.68           | 8.53  |         | 20.0     |                                  |
| 10011-<br>CAB | UMTS-FDD (WCDMA)                              | X | 1.02    | 66.71           | 14.86 | 0.00    | 150.0    | $\pm 9.6\%$                      |
|               |                                               | Y | 0.88    | 64.00           | 12.93 |         | 150.0    |                                  |
|               |                                               | Z | 0.96    | 65.08           | 13.85 |         | 150.0    |                                  |
| 10012-<br>CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)      | X | 1.12    | 63.01           | 14.74 | 0.41    | 150.0    | $\pm 9.6\%$                      |
|               |                                               | Y | 1.08    | 62.04           | 13.79 |         | 150.0    |                                  |
|               |                                               | Z | 1.12    | 62.48           | 14.39 |         | 150.0    |                                  |
| 10013-<br>CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps) | X | 4.82    | 66.21           | 16.87 | 1.46    | 150.0    | $\pm 9.6\%$                      |
|               |                                               | Y | 4.79    | 66.12           | 16.71 |         | 150.0    |                                  |
|               |                                               | Z | 4.93    | 66.18           | 16.96 |         | 150.0    |                                  |
| 10021-<br>DAC | GSM-FDD (TDMA, GMSK)                          | X | 2.25    | 66.50           | 9.83  | 9.39    | 50.0     | $\pm 9.6\%$                      |
|               |                                               | Y | 665.53  | 125.82          | 26.89 |         | 50.0     |                                  |
|               |                                               | Z | 1045.53 | 136.68          | 30.13 |         | 50.0     |                                  |
| 10023-<br>DAC | GPRS-FDD (TDMA, GMSK, TN 0)                   | X | 2.21    | 66.15           | 9.69  | 9.57    | 50.0     | $\pm 9.6\%$                      |
|               |                                               | Y | 438.76  | 121.03          | 25.91 |         | 50.0     |                                  |
|               |                                               | Z | 904.94  | 134.36          | 29.61 |         | 50.0     |                                  |
| 10024-<br>DAC | GPRS-FDD (TDMA, GMSK, TN 0-1)                 | X | 1.35    | 64.57           | 8.30  | 6.56    | 60.0     | $\pm 9.6\%$                      |
|               |                                               | Y | 100.00  | 106.86          | 22.06 |         | 60.0     |                                  |
|               |                                               | Z | 100.00  | 112.87          | 24.85 |         | 60.0     |                                  |
| 10025-<br>DAC | EDGE-FDD (TDMA, 8PSK, TN 0)                   | X | 6.57    | 90.89           | 37.95 | 12.57   | 50.0     | $\pm 9.6\%$                      |
|               |                                               | Y | 3.73    | 69.47           | 26.41 |         | 50.0     |                                  |
|               |                                               | Z | 4.07    | 72.67           | 28.84 |         | 50.0     |                                  |
| 10026-<br>DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1)                 | X | 8.25    | 93.21           | 33.88 | 9.56    | 60.0     | $\pm 9.6\%$                      |
|               |                                               | Y | 5.64    | 82.62           | 29.59 |         | 60.0     |                                  |
|               |                                               | Z | 6.55    | 86.37           | 31.52 |         | 60.0     |                                  |
| 10027-<br>DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2)               | X | 1.03    | 64.37           | 7.82  | 4.80    | 80.0     | $\pm 9.6\%$                      |
|               |                                               | Y | 100.00  | 107.94          | 21.80 |         | 80.0     |                                  |
|               |                                               | Z | 100.00  | 115.65          | 25.30 |         | 80.0     |                                  |
| 10028-<br>DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)             | X | 0.92    | 65.13           | 7.84  | 3.55    | 100.0    | $\pm 9.6\%$                      |
|               |                                               | Y | 100.00  | 109.16          | 21.70 |         | 100.0    |                                  |
|               |                                               | Z | 100.00  | 118.71          | 25.92 |         | 100.0    |                                  |
| 10029-<br>DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2)               | X | 4.77    | 79.38           | 26.93 | 7.80    | 80.0     | $\pm 9.6\%$                      |
|               |                                               | Y | 3.89    | 74.03           | 24.53 |         | 80.0     |                                  |
|               |                                               | Z | 4.41    | 76.72           | 26.07 |         | 80.0     |                                  |
| 10030-<br>CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1)           | X | 1.02    | 63.29           | 7.40  | 5.30    | 70.0     | $\pm 9.6\%$                      |
|               |                                               | Y | 100.00  | 105.33          | 20.98 |         | 70.0     |                                  |
|               |                                               | Z | 100.00  | 112.19          | 24.15 |         | 70.0     |                                  |
| 10031-<br>CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3)           | X | 0.25    | 60.00           | 4.59  | 1.88    | 100.0    | $\pm 9.6\%$                      |
|               |                                               | Y | 100.00  | 99.92           | 16.90 |         | 100.0    |                                  |
|               |                                               | Z | 100.00  | 112.59          | 22.17 |         | 100.0    |                                  |

|           |                                                     |   |        |        |       |       |       |         |
|-----------|-----------------------------------------------------|---|--------|--------|-------|-------|-------|---------|
| 10032-CAA | IEEE 802.15.1 Bluetooth (GFSK, DH5)                 | X | 0.16   | 60.00  | 4.31  | 1.17  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 100.00 | 98.30  | 15.69 |       | 100.0 |         |
|           |                                                     | Z | 100.00 | 114.64 | 22.18 |       | 100.0 |         |
| 10033-CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)           | X | 4.26   | 80.71  | 20.30 | 5.30  | 70.0  | ± 9.6 % |
|           |                                                     | Y | 4.29   | 82.23  | 21.62 |       | 70.0  |         |
|           |                                                     | Z | 7.24   | 92.51  | 26.31 |       | 70.0  |         |
| 10034-CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)           | X | 1.66   | 69.78  | 15.01 | 1.88  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 1.47   | 68.42  | 14.49 |       | 100.0 |         |
|           |                                                     | Z | 1.86   | 71.90  | 17.03 |       | 100.0 |         |
| 10035-CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)           | X | 1.35   | 67.96  | 14.06 | 1.17  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 1.18   | 66.19  | 13.11 |       | 100.0 |         |
|           |                                                     | Z | 1.42   | 68.59  | 15.18 |       | 100.0 |         |
| 10036-CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH1)               | X | 5.22   | 83.93  | 21.49 | 5.30  | 70.0  | ± 9.6 % |
|           |                                                     | Y | 5.32   | 85.92  | 23.01 |       | 70.0  |         |
|           |                                                     | Z | 10.14  | 98.64  | 28.32 |       | 70.0  |         |
| 10037-CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH3)               | X | 1.59   | 69.37  | 14.80 | 1.88  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 1.40   | 67.97  | 14.26 |       | 100.0 |         |
|           |                                                     | Z | 1.78   | 71.44  | 16.81 |       | 100.0 |         |
| 10038-CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH5)               | X | 1.36   | 68.20  | 14.28 | 1.17  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 1.17   | 66.31  | 13.27 |       | 100.0 |         |
|           |                                                     | Z | 1.42   | 68.80  | 15.38 |       | 100.0 |         |
| 10039-CAB | CDMA2000 (1xRTT, RC1)                               | X | 1.66   | 70.05  | 14.88 | 0.00  | 150.0 | ± 9.6 % |
|           |                                                     | Y | 1.26   | 66.21  | 12.57 |       | 150.0 |         |
|           |                                                     | Z | 1.55   | 68.24  | 14.30 |       | 150.0 |         |
| 10042-CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) | X | 1.28   | 63.03  | 7.68  | 7.78  | 50.0  | ± 9.6 % |
|           |                                                     | Y | 100.00 | 103.46 | 20.91 |       | 50.0  |         |
|           |                                                     | Z | 100.00 | 107.87 | 22.96 |       | 50.0  |         |
| 10044-CAA | IS-91/EIA/TIA-553 FDD (FDMA, FM)                    | X | 0.00   | 99.38  | 2.49  | 0.00  | 150.0 | ± 9.6 % |
|           |                                                     | Y | 0.02   | 105.08 | 5.41  |       | 150.0 |         |
|           |                                                     | Z | 0.00   | 96.44  | 7.87  |       | 150.0 |         |
| 10048-CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)           | X | 2.20   | 62.65  | 9.39  | 13.80 | 25.0  | ± 9.6 % |
|           |                                                     | Y | 10.93  | 79.28  | 16.74 |       | 25.0  |         |
|           |                                                     | Z | 100.00 | 105.99 | 24.39 |       | 25.0  |         |
| 10049-CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)         | X | 2.29   | 65.32  | 9.45  | 10.79 | 40.0  | ± 9.6 % |
|           |                                                     | Y | 15.28  | 85.37  | 17.68 |       | 40.0  |         |
|           |                                                     | Z | 100.00 | 108.01 | 24.11 |       | 40.0  |         |
| 10056-CAA | UMTS-TDD (TD-SCDMA, 1.28 Mcps)                      | X | 13.52  | 91.70  | 23.43 | 9.03  | 50.0  | ± 9.6 % |
|           |                                                     | Y | 37.79  | 109.16 | 29.22 |       | 50.0  |         |
|           |                                                     | Z | 100.00 | 128.95 | 35.44 |       | 50.0  |         |
| 10058-DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)                   | X | 3.73   | 74.00  | 23.66 | 6.55  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 3.24   | 70.48  | 22.01 |       | 100.0 |         |
|           |                                                     | Z | 3.61   | 72.58  | 23.29 |       | 100.0 |         |
| 10059-CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)            | X | 1.12   | 63.66  | 15.08 | 0.61  | 110.0 | ± 9.6 % |
|           |                                                     | Y | 1.07   | 62.54  | 14.11 |       | 110.0 |         |
|           |                                                     | Z | 1.12   | 63.15  | 14.83 |       | 110.0 |         |
| 10060-CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)          | X | 2.71   | 84.74  | 21.42 | 1.30  | 110.0 | ± 9.6 % |
|           |                                                     | Y | 1.20   | 73.27  | 17.46 |       | 110.0 |         |
|           |                                                     | Z | 2.08   | 81.92  | 21.37 |       | 110.0 |         |

|           |                                                |   |      |       |       |      |       |         |
|-----------|------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10061-CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)      | X | 1.70 | 72.74 | 18.89 | 2.04 | 110.0 | ± 9.6 % |
|           |                                                | Y | 1.40 | 69.37 | 17.57 |      | 110.0 |         |
|           |                                                | Z | 1.68 | 72.56 | 19.54 |      | 110.0 |         |
| 10062-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)       | X | 4.67 | 66.33 | 16.40 | 0.49 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.61 | 66.16 | 16.16 |      | 100.0 |         |
|           |                                                | Z | 4.75 | 66.23 | 16.40 |      | 100.0 |         |
| 10063-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)       | X | 4.67 | 66.38 | 16.47 | 0.72 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.62 | 66.22 | 16.24 |      | 100.0 |         |
|           |                                                | Z | 4.76 | 66.31 | 16.49 |      | 100.0 |         |
| 10064-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)      | X | 4.97 | 66.68 | 16.71 | 0.86 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.91 | 66.51 | 16.49 |      | 100.0 |         |
|           |                                                | Z | 5.09 | 66.65 | 16.77 |      | 100.0 |         |
| 10065-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)      | X | 4.81 | 66.49 | 16.75 | 1.21 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.76 | 66.35 | 16.56 |      | 100.0 |         |
|           |                                                | Z | 4.93 | 66.51 | 16.84 |      | 100.0 |         |
| 10066-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)      | X | 4.81 | 66.47 | 16.88 | 1.46 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.76 | 66.34 | 16.71 |      | 100.0 |         |
|           |                                                | Z | 4.94 | 66.51 | 17.01 |      | 100.0 |         |
| 10067-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)      | X | 5.08 | 66.59 | 17.29 | 2.04 | 100.0 | ± 9.6 % |
|           |                                                | Y | 5.05 | 66.52 | 17.16 |      | 100.0 |         |
|           |                                                | Z | 5.22 | 66.60 | 17.43 |      | 100.0 |         |
| 10068-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)      | X | 5.11 | 66.63 | 17.50 | 2.55 | 100.0 | ± 9.6 % |
|           |                                                | Y | 5.08 | 66.52 | 17.36 |      | 100.0 |         |
|           |                                                | Z | 5.27 | 66.71 | 17.69 |      | 100.0 |         |
| 10069-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)      | X | 5.19 | 66.62 | 17.69 | 2.67 | 100.0 | ± 9.6 % |
|           |                                                | Y | 5.16 | 66.53 | 17.56 |      | 100.0 |         |
|           |                                                | Z | 5.35 | 66.66 | 17.86 |      | 100.0 |         |
| 10071-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)  | X | 4.89 | 66.24 | 17.13 | 1.99 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.87 | 66.17 | 17.00 |      | 100.0 |         |
|           |                                                | Z | 5.00 | 66.23 | 17.25 |      | 100.0 |         |
| 10072-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps) | X | 4.84 | 66.48 | 17.29 | 2.30 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.82 | 66.40 | 17.17 |      | 100.0 |         |
|           |                                                | Z | 4.97 | 66.53 | 17.45 |      | 100.0 |         |
| 10073-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps) | X | 4.87 | 66.54 | 17.55 | 2.83 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.85 | 66.47 | 17.45 |      | 100.0 |         |
|           |                                                | Z | 5.00 | 66.59 | 17.74 |      | 100.0 |         |
| 10074-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps) | X | 4.82 | 66.35 | 17.65 | 3.30 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.81 | 66.31 | 17.57 |      | 100.0 |         |
|           |                                                | Z | 4.95 | 66.40 | 17.87 |      | 100.0 |         |
| 10075-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps) | X | 4.83 | 66.42 | 17.93 | 3.82 | 90.0  | ± 9.6 % |
|           |                                                | Y | 4.82 | 66.35 | 17.86 |      | 90.0  |         |
|           |                                                | Z | 4.97 | 66.51 | 18.19 |      | 90.0  |         |
| 10076-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps) | X | 4.82 | 66.14 | 18.01 | 4.15 | 90.0  | ± 9.6 % |
|           |                                                | Y | 4.83 | 66.11 | 17.96 |      | 90.0  |         |
|           |                                                | Z | 4.94 | 66.17 | 18.24 |      | 90.0  |         |
| 10077-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps) | X | 4.83 | 66.18 | 18.09 | 4.30 | 90.0  | ± 9.6 % |
|           |                                                | Y | 4.84 | 66.14 | 18.04 |      | 90.0  |         |
|           |                                                | Z | 4.95 | 66.19 | 18.31 |      | 90.0  |         |

|           |                                                     |   |        |        |       |      |       |         |
|-----------|-----------------------------------------------------|---|--------|--------|-------|------|-------|---------|
| 10081-CAB | CDMA2000 (1xRTT, RC3)                               | X | 0.81   | 64.94  | 12.03 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 0.68   | 62.63  | 10.24 |      | 150.0 |         |
|           |                                                     | Z | 0.81   | 63.95  | 11.73 |      | 150.0 |         |
| 10082-CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate) | X | 0.67   | 60.00  | 2.83  | 4.77 | 80.0  | ± 9.6 % |
|           |                                                     | Y | 0.58   | 60.00  | 3.06  |      | 80.0  |         |
|           |                                                     | Z | 0.54   | 60.00  | 3.53  |      | 80.0  |         |
| 10090-DAC | GPRS-FDD (TDMA, GMSK, TN 0-4)                       | X | 1.36   | 64.58  | 8.31  | 6.56 | 60.0  | ± 9.6 % |
|           |                                                     | Y | 100.00 | 106.88 | 22.08 |      | 60.0  |         |
|           |                                                     | Z | 100.00 | 112.90 | 24.88 |      | 60.0  |         |
| 10097-CAB | UMTS-FDD (HSDPA)                                    | X | 1.80   | 67.00  | 15.37 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 1.66   | 65.43  | 14.16 |      | 150.0 |         |
|           |                                                     | Z | 1.75   | 65.94  | 14.81 |      | 150.0 |         |
| 10098-CAB | UMTS-FDD (HSUPA, Subtest 2)                         | X | 1.76   | 66.96  | 15.34 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 1.62   | 65.36  | 14.11 |      | 150.0 |         |
|           |                                                     | Z | 1.72   | 65.89  | 14.76 |      | 150.0 |         |
| 10099-DAC | EDGE-FDD (TDMA, 8PSK, TN 0-4)                       | X | 8.33   | 93.44  | 33.95 | 9.56 | 60.0  | ± 9.6 % |
|           |                                                     | Y | 5.67   | 82.76  | 29.65 |      | 60.0  |         |
|           |                                                     | Z | 6.60   | 86.54  | 31.58 |      | 60.0  |         |
| 10100-CAD | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)            | X | 3.11   | 69.78  | 16.46 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 2.84   | 68.22  | 15.48 |      | 150.0 |         |
|           |                                                     | Z | 3.04   | 68.97  | 15.97 |      | 150.0 |         |
| 10101-CAD | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)          | X | 3.26   | 67.24  | 15.85 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 3.12   | 66.44  | 15.21 |      | 150.0 |         |
|           |                                                     | Z | 3.27   | 66.85  | 15.58 |      | 150.0 |         |
| 10102-CAD | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)          | X | 3.36   | 67.19  | 15.93 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 3.23   | 66.47  | 15.34 |      | 150.0 |         |
|           |                                                     | Z | 3.37   | 66.83  | 15.69 |      | 150.0 |         |
| 10103-CAD | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)            | X | 5.24   | 73.15  | 19.30 | 3.98 | 65.0  | ± 9.6 % |
|           |                                                     | Y | 4.78   | 71.89  | 18.95 |      | 65.0  |         |
|           |                                                     | Z | 5.38   | 73.60  | 19.91 |      | 65.0  |         |
| 10104-CAD | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)          | X | 5.42   | 71.71  | 19.57 | 3.98 | 65.0  | ± 9.6 % |
|           |                                                     | Y | 5.10   | 70.70  | 19.18 |      | 65.0  |         |
|           |                                                     | Z | 5.46   | 71.63  | 19.85 |      | 65.0  |         |
| 10105-CAD | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)          | X | 5.31   | 71.17  | 19.67 | 3.98 | 65.0  | ± 9.6 % |
|           |                                                     | Y | 4.81   | 69.32  | 18.84 |      | 65.0  |         |
|           |                                                     | Z | 5.32   | 70.92  | 19.84 |      | 65.0  |         |
| 10108-CAE | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)            | X | 2.72   | 69.05  | 16.30 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 2.49   | 67.48  | 15.27 |      | 150.0 |         |
|           |                                                     | Z | 2.69   | 68.23  | 15.79 |      | 150.0 |         |
| 10109-CAE | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)          | X | 2.91   | 67.04  | 15.73 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 2.77   | 66.16  | 15.01 |      | 150.0 |         |
|           |                                                     | Z | 2.93   | 66.59  | 15.44 |      | 150.0 |         |
| 10110-CAE | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)             | X | 2.22   | 68.17  | 15.91 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 2.01   | 66.47  | 14.74 |      | 150.0 |         |
|           |                                                     | Z | 2.20   | 67.26  | 15.37 |      | 150.0 |         |
| 10111-CAE | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)           | X | 2.59   | 67.58  | 15.87 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 2.43   | 66.52  | 15.02 |      | 150.0 |         |
|           |                                                     | Z | 2.60   | 66.94  | 15.55 |      | 150.0 |         |

|           |                                                |   |      |       |       |      |       |         |
|-----------|------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10112-CAE | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)     | X | 3.03 | 67.02 | 15.78 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 2.90 | 66.22 | 15.12 |      | 150.0 |         |
|           |                                                | Z | 3.05 | 66.59 | 15.52 |      | 150.0 |         |
| 10113-CAE | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)      | X | 2.74 | 67.71 | 16.00 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 2.59 | 66.74 | 15.20 |      | 150.0 |         |
|           |                                                | Z | 2.75 | 67.10 | 15.71 |      | 150.0 |         |
| 10114-CAB | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)  | X | 5.17 | 67.06 | 16.47 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.09 | 66.80 | 16.16 |      | 150.0 |         |
|           |                                                | Z | 5.21 | 66.84 | 16.32 |      | 150.0 |         |
| 10115-CAB | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)  | X | 5.49 | 67.27 | 16.59 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.39 | 66.96 | 16.26 |      | 150.0 |         |
|           |                                                | Z | 5.58 | 67.22 | 16.53 |      | 150.0 |         |
| 10116-CAB | IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) | X | 5.28 | 67.29 | 16.52 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.19 | 66.98 | 16.19 |      | 150.0 |         |
|           |                                                | Z | 5.34 | 67.12 | 16.39 |      | 150.0 |         |
| 10117-CAB | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)       | X | 5.14 | 66.93 | 16.42 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.05 | 66.65 | 16.11 |      | 150.0 |         |
|           |                                                | Z | 5.20 | 66.80 | 16.32 |      | 150.0 |         |
| 10118-CAB | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)       | X | 5.58 | 67.52 | 16.73 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.47 | 67.19 | 16.39 |      | 150.0 |         |
|           |                                                | Z | 5.67 | 67.43 | 16.64 |      | 150.0 |         |
| 10119-CAB | IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)      | X | 5.26 | 67.23 | 16.50 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.17 | 66.94 | 16.18 |      | 150.0 |         |
|           |                                                | Z | 5.31 | 67.07 | 16.38 |      | 150.0 |         |
| 10140-CAD | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)     | X | 3.40 | 67.20 | 15.86 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 3.26 | 66.48 | 15.27 |      | 150.0 |         |
|           |                                                | Z | 3.42 | 66.84 | 15.62 |      | 150.0 |         |
| 10141-CAD | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)     | X | 3.52 | 67.28 | 16.02 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 3.39 | 66.62 | 15.46 |      | 150.0 |         |
|           |                                                | Z | 3.54 | 66.93 | 15.79 |      | 150.0 |         |
| 10142-CAD | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)        | X | 1.98 | 68.03 | 15.52 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 1.76 | 66.11 | 14.18 |      | 150.0 |         |
|           |                                                | Z | 1.96 | 67.00 | 15.00 |      | 150.0 |         |
| 10143-CAD | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)      | X | 2.42 | 68.08 | 15.48 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 2.22 | 66.68 | 14.42 |      | 150.0 |         |
|           |                                                | Z | 2.42 | 67.30 | 15.21 |      | 150.0 |         |
| 10144-CAD | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)      | X | 2.25 | 66.22 | 14.10 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 2.08 | 65.04 | 13.12 |      | 150.0 |         |
|           |                                                | Z | 2.28 | 65.70 | 13.97 |      | 150.0 |         |
| 10145-CAE | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)      | X | 1.22 | 64.58 | 11.66 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 1.05 | 62.78 | 10.18 |      | 150.0 |         |
|           |                                                | Z | 1.29 | 64.48 | 12.00 |      | 150.0 |         |
| 10146-CAE | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)    | X | 1.91 | 66.13 | 12.02 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 1.63 | 64.47 | 10.82 |      | 150.0 |         |
|           |                                                | Z | 2.06 | 66.53 | 12.67 |      | 150.0 |         |
| 10147-CAE | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)    | X | 2.21 | 67.93 | 13.03 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 1.83 | 65.83 | 11.64 |      | 150.0 |         |
|           |                                                | Z | 2.35 | 68.29 | 13.68 |      | 150.0 |         |

|           |                                            |   |      |       |       |      |       |         |
|-----------|--------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10149-CAD | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)  | X | 2.92 | 67.09 | 15.77 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.77 | 66.21 | 15.05 |      | 150.0 |         |
|           |                                            | Z | 2.93 | 66.64 | 15.48 |      | 150.0 |         |
| 10150-CAD | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)  | X | 3.04 | 67.06 | 15.82 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.90 | 66.27 | 15.15 |      | 150.0 |         |
|           |                                            | Z | 3.06 | 66.64 | 15.56 |      | 150.0 |         |
| 10151-CAD | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)    | X | 5.27 | 74.86 | 20.10 | 3.98 | 65.0  | ± 9.6 % |
|           |                                            | Y | 4.90 | 74.00 | 19.95 |      | 65.0  |         |
|           |                                            | Z | 5.38 | 75.26 | 20.75 |      | 65.0  |         |
| 10152-CAD | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)  | X | 4.93 | 71.51 | 19.19 | 3.98 | 65.0  | ± 9.6 % |
|           |                                            | Y | 4.61 | 70.43 | 18.77 |      | 65.0  |         |
|           |                                            | Z | 4.99 | 71.47 | 19.57 |      | 65.0  |         |
| 10153-CAD | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)  | X | 5.23 | 72.27 | 19.90 | 3.98 | 65.0  | ± 9.6 % |
|           |                                            | Y | 4.91 | 71.28 | 19.53 |      | 65.0  |         |
|           |                                            | Z | 5.27 | 72.17 | 20.25 |      | 65.0  |         |
| 10154-CAE | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)    | X | 2.26 | 68.51 | 16.13 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.04 | 66.77 | 14.94 |      | 150.0 |         |
|           |                                            | Z | 2.24 | 67.61 | 15.61 |      | 150.0 |         |
| 10155-CAE | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)  | X | 2.59 | 67.59 | 15.88 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.44 | 66.53 | 15.03 |      | 150.0 |         |
|           |                                            | Z | 2.60 | 66.94 | 15.56 |      | 150.0 |         |
| 10156-CAE | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)     | X | 1.82 | 68.01 | 15.26 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 1.59 | 65.86 | 13.77 |      | 150.0 |         |
|           |                                            | Z | 1.80 | 66.95 | 14.78 |      | 150.0 |         |
| 10157-CAE | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   | X | 2.07 | 66.63 | 14.06 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 1.87 | 65.17 | 12.91 |      | 150.0 |         |
|           |                                            | Z | 2.10 | 66.02 | 13.93 |      | 150.0 |         |
| 10158-CAE | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)  | X | 2.75 | 67.76 | 16.04 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.59 | 66.79 | 15.24 |      | 150.0 |         |
|           |                                            | Z | 2.76 | 67.14 | 15.75 |      | 150.0 |         |
| 10159-CAE | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   | X | 2.17 | 66.99 | 14.30 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 1.96 | 65.51 | 13.14 |      | 150.0 |         |
|           |                                            | Z | 2.19 | 66.40 | 14.19 |      | 150.0 |         |
| 10160-CAD | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)    | X | 2.76 | 68.32 | 16.18 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.56 | 67.02 | 15.26 |      | 150.0 |         |
|           |                                            | Z | 2.74 | 67.59 | 15.75 |      | 150.0 |         |
| 10161-CAD | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)  | X | 2.93 | 66.98 | 15.73 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.80 | 66.17 | 15.05 |      | 150.0 |         |
|           |                                            | Z | 2.95 | 66.52 | 15.48 |      | 150.0 |         |
| 10162-CAD | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)  | X | 3.04 | 67.12 | 15.84 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.90 | 66.34 | 15.18 |      | 150.0 |         |
|           |                                            | Z | 3.06 | 66.64 | 15.58 |      | 150.0 |         |
| 10166-CAE | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)   | X | 3.51 | 68.90 | 18.99 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.34 | 68.12 | 18.46 |      | 150.0 |         |
|           |                                            | Z | 3.54 | 68.30 | 18.59 |      | 150.0 |         |
| 10167-CAE | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | X | 4.16 | 71.36 | 19.32 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.83 | 70.23 | 18.68 |      | 150.0 |         |
|           |                                            | Z | 4.19 | 70.61 | 18.89 |      | 150.0 |         |

|           |                                            |   |      |       |       |      |       |         |
|-----------|--------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10168-CAE | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | X | 4.52 | 73.15 | 20.43 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 4.20 | 72.25 | 19.96 |      | 150.0 |         |
|           |                                            | Z | 4.54 | 72.39 | 20.02 |      | 150.0 |         |
| 10169-CAD | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)      | X | 2.82 | 68.00 | 18.65 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.62 | 66.69 | 17.86 |      | 150.0 |         |
|           |                                            | Z | 2.88 | 67.81 | 18.40 |      | 150.0 |         |
| 10170-CAD | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)    | X | 3.56 | 72.63 | 20.51 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.16 | 70.91 | 19.69 |      | 150.0 |         |
|           |                                            | Z | 3.66 | 72.50 | 20.30 |      | 150.0 |         |
| 10171-AAD | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)    | X | 3.06 | 69.55 | 18.21 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.70 | 67.72 | 17.22 |      | 150.0 |         |
|           |                                            | Z | 3.12 | 69.15 | 17.86 |      | 150.0 |         |
| 10172-CAD | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)      | X | 5.99 | 86.37 | 26.94 | 6.02 | 65.0  | ± 9.6 % |
|           |                                            | Y | 3.69 | 77.45 | 24.01 |      | 65.0  |         |
|           |                                            | Z | 5.83 | 85.44 | 27.14 |      | 65.0  |         |
| 10173-CAD | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)    | X | 8.01 | 88.07 | 25.39 | 6.02 | 65.0  | ± 9.6 % |
|           |                                            | Y | 6.41 | 86.14 | 25.52 |      | 65.0  |         |
|           |                                            | Z | 9.99 | 92.58 | 27.71 |      | 65.0  |         |
| 10174-CAD | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)    | X | 7.28 | 85.30 | 23.86 | 6.02 | 65.0  | ± 9.6 % |
|           |                                            | Y | 5.30 | 81.84 | 23.41 |      | 65.0  |         |
|           |                                            | Z | 8.93 | 89.28 | 26.02 |      | 65.0  |         |
| 10175-CAE | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)      | X | 2.80 | 67.77 | 18.45 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.59 | 66.45 | 17.64 |      | 150.0 |         |
|           |                                            | Z | 2.85 | 67.55 | 18.17 |      | 150.0 |         |
| 10176-CAE | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)    | X | 3.56 | 72.65 | 20.52 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.16 | 70.93 | 19.70 |      | 150.0 |         |
|           |                                            | Z | 3.66 | 72.52 | 20.31 |      | 150.0 |         |
| 10177-CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)       | X | 2.82 | 67.89 | 18.52 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.61 | 66.58 | 17.73 |      | 150.0 |         |
|           |                                            | Z | 2.87 | 67.69 | 18.27 |      | 150.0 |         |
| 10178-CAE | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)     | X | 3.54 | 72.48 | 20.42 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.14 | 70.76 | 19.60 |      | 150.0 |         |
|           |                                            | Z | 3.63 | 72.30 | 20.19 |      | 150.0 |         |
| 10179-CAE | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)    | X | 3.30 | 71.05 | 19.26 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.91 | 69.24 | 18.34 |      | 150.0 |         |
|           |                                            | Z | 3.36 | 70.72 | 18.95 |      | 150.0 |         |
| 10180-CAE | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)     | X | 3.06 | 69.50 | 18.17 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.70 | 67.67 | 17.18 |      | 150.0 |         |
|           |                                            | Z | 3.11 | 69.09 | 17.81 |      | 150.0 |         |
| 10181-CAD | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)      | X | 2.81 | 67.87 | 18.52 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.60 | 66.56 | 17.72 |      | 150.0 |         |
|           |                                            | Z | 2.87 | 67.67 | 18.26 |      | 150.0 |         |
| 10182-CAD | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)    | X | 3.53 | 72.46 | 20.41 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.13 | 70.74 | 19.59 |      | 150.0 |         |
|           |                                            | Z | 3.62 | 72.28 | 20.18 |      | 150.0 |         |
| 10183-AAC | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)    | X | 3.06 | 69.48 | 18.16 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.70 | 67.65 | 17.17 |      | 150.0 |         |
|           |                                            | Z | 3.10 | 69.06 | 17.80 |      | 150.0 |         |

|           |                                               |   |      |       |       |      |       |         |
|-----------|-----------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10184-CAD | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)          | X | 2.82 | 67.91 | 18.54 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 2.61 | 66.60 | 17.74 |      | 150.0 |         |
|           |                                               | Z | 2.88 | 67.71 | 18.28 |      | 150.0 |         |
| 10185-CAD | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)        | X | 3.55 | 72.52 | 20.44 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 3.15 | 70.80 | 19.62 |      | 150.0 |         |
|           |                                               | Z | 3.64 | 72.34 | 20.21 |      | 150.0 |         |
| 10186-AAD | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)        | X | 3.07 | 69.54 | 18.19 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 2.71 | 67.71 | 17.20 |      | 150.0 |         |
|           |                                               | Z | 3.12 | 69.12 | 17.83 |      | 150.0 |         |
| 10187-CAE | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)        | X | 2.83 | 67.95 | 18.59 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 2.62 | 66.64 | 17.80 |      | 150.0 |         |
|           |                                               | Z | 2.89 | 67.75 | 18.33 |      | 150.0 |         |
| 10188-CAE | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)      | X | 3.63 | 73.01 | 20.75 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 3.23 | 71.31 | 19.96 |      | 150.0 |         |
|           |                                               | Z | 3.74 | 72.91 | 20.56 |      | 150.0 |         |
| 10189-AAE | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)      | X | 3.12 | 69.87 | 18.43 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 2.75 | 68.04 | 17.45 |      | 150.0 |         |
|           |                                               | Z | 3.18 | 69.49 | 18.08 |      | 150.0 |         |
| 10193-CAB | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)  | X | 4.56 | 66.42 | 16.15 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.47 | 66.14 | 15.80 |      | 150.0 |         |
|           |                                               | Z | 4.61 | 66.20 | 16.03 |      | 150.0 |         |
| 10194-CAB | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) | X | 4.73 | 66.75 | 16.28 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.64 | 66.45 | 15.93 |      | 150.0 |         |
|           |                                               | Z | 4.80 | 66.55 | 16.15 |      | 150.0 |         |
| 10195-CAB | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) | X | 4.78 | 66.78 | 16.29 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.68 | 66.49 | 15.95 |      | 150.0 |         |
|           |                                               | Z | 4.84 | 66.57 | 16.17 |      | 150.0 |         |
| 10196-CAB | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)       | X | 4.56 | 66.49 | 16.17 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.48 | 66.20 | 15.82 |      | 150.0 |         |
|           |                                               | Z | 4.62 | 66.29 | 16.06 |      | 150.0 |         |
| 10197-CAB | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)      | X | 4.75 | 66.77 | 16.29 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.65 | 66.47 | 15.95 |      | 150.0 |         |
|           |                                               | Z | 4.81 | 66.57 | 16.17 |      | 150.0 |         |
| 10198-CAB | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)      | X | 4.78 | 66.80 | 16.31 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.68 | 66.50 | 15.97 |      | 150.0 |         |
|           |                                               | Z | 4.84 | 66.59 | 16.18 |      | 150.0 |         |
| 10219-CAB | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)       | X | 4.51 | 66.50 | 16.13 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.42 | 66.20 | 15.77 |      | 150.0 |         |
|           |                                               | Z | 4.57 | 66.29 | 16.02 |      | 150.0 |         |
| 10220-CAB | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)    | X | 4.74 | 66.74 | 16.28 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.65 | 66.44 | 15.94 |      | 150.0 |         |
|           |                                               | Z | 4.81 | 66.56 | 16.16 |      | 150.0 |         |
| 10221-CAB | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)    | X | 4.79 | 66.73 | 16.29 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.69 | 66.44 | 15.96 |      | 150.0 |         |
|           |                                               | Z | 4.85 | 66.53 | 16.17 |      | 150.0 |         |
| 10222-CAB | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)        | X | 5.11 | 66.93 | 16.42 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 5.03 | 66.65 | 16.10 |      | 150.0 |         |
|           |                                               | Z | 5.18 | 66.81 | 16.32 |      | 150.0 |         |

|           |                                           |   |       |       |       |      |       |         |
|-----------|-------------------------------------------|---|-------|-------|-------|------|-------|---------|
| 10223-CAB | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)  | X | 5.43  | 67.18 | 16.57 | 0.00 | 150.0 | ± 9.6 % |
|           |                                           | Y | 5.34  | 66.91 | 16.26 |      | 150.0 |         |
|           |                                           | Z | 5.52  | 67.11 | 16.50 |      | 150.0 |         |
| 10224-CAB | IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM) | X | 5.16  | 67.04 | 16.40 | 0.00 | 150.0 | ± 9.6 % |
|           |                                           | Y | 5.07  | 66.76 | 16.08 |      | 150.0 |         |
|           |                                           | Z | 5.22  | 66.90 | 16.29 |      | 150.0 |         |
| 10225-CAB | UMTS-FDD (HSPA+)                          | X | 2.81  | 65.80 | 15.24 | 0.00 | 150.0 | ± 9.6 % |
|           |                                           | Y | 2.71  | 65.17 | 14.59 |      | 150.0 |         |
|           |                                           | Z | 2.84  | 65.40 | 15.07 |      | 150.0 |         |
| 10226-CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)  | X | 8.42  | 89.03 | 25.81 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 6.75  | 87.18 | 25.99 |      | 65.0  |         |
|           |                                           | Z | 10.60 | 93.78 | 28.20 |      | 65.0  |         |
| 10227-CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)  | X | 7.93  | 86.59 | 24.30 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 6.97  | 86.51 | 25.08 |      | 65.0  |         |
|           |                                           | Z | 10.19 | 91.54 | 26.81 |      | 65.0  |         |
| 10228-CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)    | X | 6.09  | 86.83 | 27.13 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 4.43  | 81.33 | 25.62 |      | 65.0  |         |
|           |                                           | Z | 6.23  | 87.05 | 27.80 |      | 65.0  |         |
| 10229-CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)    | X | 8.06  | 88.15 | 25.43 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 6.47  | 86.26 | 25.57 |      | 65.0  |         |
|           |                                           | Z | 10.07 | 92.68 | 27.75 |      | 65.0  |         |
| 10230-CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)    | X | 7.57  | 85.75 | 23.94 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 6.61  | 85.52 | 24.66 |      | 65.0  |         |
|           |                                           | Z | 9.64  | 90.49 | 26.38 |      | 65.0  |         |
| 10231-CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)      | X | 5.89  | 86.12 | 26.79 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 4.30  | 80.70 | 25.29 |      | 65.0  |         |
|           |                                           | Z | 6.02  | 86.30 | 27.45 |      | 65.0  |         |
| 10232-CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)    | X | 8.05  | 88.14 | 25.42 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 6.45  | 86.23 | 25.56 |      | 65.0  |         |
|           |                                           | Z | 10.05 | 92.66 | 27.74 |      | 65.0  |         |
| 10233-CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)    | X | 7.55  | 85.74 | 23.94 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 6.59  | 85.48 | 24.64 |      | 65.0  |         |
|           |                                           | Z | 9.62  | 90.47 | 26.38 |      | 65.0  |         |
| 10234-CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)      | X | 5.72  | 85.45 | 26.43 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 4.20  | 80.16 | 24.96 |      | 65.0  |         |
|           |                                           | Z | 5.86  | 85.64 | 27.09 |      | 65.0  |         |
| 10235-CAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)   | X | 8.05  | 88.17 | 25.43 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 6.45  | 86.24 | 25.57 |      | 65.0  |         |
|           |                                           | Z | 10.05 | 92.69 | 27.76 |      | 65.0  |         |
| 10236-CAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)   | X | 7.64  | 85.90 | 23.99 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 6.66  | 85.65 | 24.70 |      | 65.0  |         |
|           |                                           | Z | 9.75  | 90.67 | 26.44 |      | 65.0  |         |
| 10237-CAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)     | X | 5.89  | 86.19 | 26.82 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 4.29  | 80.72 | 25.30 |      | 65.0  |         |
|           |                                           | Z | 6.03  | 86.36 | 27.47 |      | 65.0  |         |
| 10238-CAD | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)   | X | 8.03  | 88.11 | 25.41 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 6.43  | 86.20 | 25.55 |      | 65.0  |         |
|           |                                           | Z | 10.02 | 92.64 | 27.73 |      | 65.0  |         |

|           |                                            |   |      |       |       |      |      |         |
|-----------|--------------------------------------------|---|------|-------|-------|------|------|---------|
| 10239-CAD | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)    | X | 7.53 | 85.71 | 23.93 | 6.02 | 65.0 | ± 9.6 % |
|           |                                            | Y | 6.56 | 85.43 | 24.63 |      | 65.0 |         |
|           |                                            | Z | 9.59 | 90.44 | 26.37 |      | 65.0 |         |
| 10240-CAD | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)      | X | 5.87 | 86.13 | 26.80 | 6.02 | 65.0 | ± 9.6 % |
|           |                                            | Y | 4.28 | 80.68 | 25.28 |      | 65.0 |         |
|           |                                            | Z | 6.00 | 86.30 | 27.45 |      | 65.0 |         |
| 10241-CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | X | 6.58 | 77.62 | 24.08 | 6.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.99 | 76.10 | 23.61 |      | 65.0 |         |
|           |                                            | Z | 6.53 | 76.78 | 24.09 |      | 65.0 |         |
| 10242-CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | X | 6.47 | 77.31 | 23.89 | 6.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.55 | 74.52 | 22.84 |      | 65.0 |         |
|           |                                            | Z | 6.35 | 76.20 | 23.77 |      | 65.0 |         |
| 10243-CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)   | X | 5.34 | 74.25 | 23.50 | 6.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 4.70 | 71.47 | 22.25 |      | 65.0 |         |
|           |                                            | Z | 5.24 | 72.97 | 23.16 |      | 65.0 |         |
| 10244-CAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)   | X | 4.22 | 71.49 | 16.64 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 4.18 | 72.16 | 17.18 |      | 65.0 |         |
|           |                                            | Z | 4.93 | 74.43 | 18.93 |      | 65.0 |         |
| 10245-CAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)   | X | 4.17 | 71.07 | 16.40 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 4.12 | 71.62 | 16.87 |      | 65.0 |         |
|           |                                            | Z | 4.88 | 73.99 | 18.68 |      | 65.0 |         |
| 10246-CAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)     | X | 3.67 | 72.99 | 17.39 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 3.43 | 72.63 | 17.48 |      | 65.0 |         |
|           |                                            | Z | 4.35 | 76.31 | 19.86 |      | 65.0 |         |
| 10247-CAD | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   | X | 3.89 | 70.54 | 17.07 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 3.68 | 70.05 | 16.96 |      | 65.0 |         |
|           |                                            | Z | 4.19 | 71.87 | 18.52 |      | 65.0 |         |
| 10248-CAD | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   | X | 3.96 | 70.31 | 16.95 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 3.73 | 69.71 | 16.77 |      | 65.0 |         |
|           |                                            | Z | 4.26 | 71.53 | 18.32 |      | 65.0 |         |
| 10249-CAD | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)     | X | 4.55 | 76.20 | 19.67 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 4.15 | 75.35 | 19.59 |      | 65.0 |         |
|           |                                            | Z | 4.97 | 78.11 | 21.35 |      | 65.0 |         |
| 10250-CAD | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)  | X | 4.71 | 72.94 | 19.79 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 4.41 | 72.05 | 19.52 |      | 65.0 |         |
|           |                                            | Z | 4.80 | 73.18 | 20.47 |      | 65.0 |         |
| 10251-CAD | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)  | X | 4.66 | 71.56 | 18.84 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 4.35 | 70.58 | 18.47 |      | 65.0 |         |
|           |                                            | Z | 4.75 | 71.67 | 19.42 |      | 65.0 |         |
| 10252-CAD | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)    | X | 5.06 | 76.67 | 20.83 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 4.59 | 75.48 | 20.59 |      | 65.0 |         |
|           |                                            | Z | 5.19 | 77.23 | 21.70 |      | 65.0 |         |
| 10253-CAD | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)  | X | 4.83 | 70.97 | 18.95 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 4.53 | 69.98 | 18.55 |      | 65.0 |         |
|           |                                            | Z | 4.87 | 70.85 | 19.31 |      | 65.0 |         |
| 10254-CAD | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)  | X | 5.11 | 71.72 | 19.60 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 4.81 | 70.78 | 19.23 |      | 65.0 |         |
|           |                                            | Z | 5.14 | 71.57 | 19.95 |      | 65.0 |         |

|           |                                             |   |      |       |       |      |      |         |
|-----------|---------------------------------------------|---|------|-------|-------|------|------|---------|
| 10255-CAD | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)     | X | 5.04 | 74.26 | 20.10 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 4.68 | 73.29 | 19.87 |      | 65.0 |         |
|           |                                             | Z | 5.10 | 74.40 | 20.65 |      | 65.0 |         |
| 10256-CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | X | 3.26 | 67.93 | 13.90 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 3.22 | 68.49 | 14.37 |      | 65.0 |         |
|           |                                             | Z | 4.10 | 71.79 | 16.82 |      | 65.0 |         |
| 10257-CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | X | 3.23 | 67.46 | 13.57 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 3.16 | 67.85 | 13.95 |      | 65.0 |         |
|           |                                             | Z | 4.04 | 71.15 | 16.42 |      | 65.0 |         |
| 10258-CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)   | X | 2.78 | 68.90 | 14.67 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 2.65 | 68.79 | 14.83 |      | 65.0 |         |
|           |                                             | Z | 3.55 | 73.12 | 17.79 |      | 65.0 |         |
| 10259-CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)   | X | 4.23 | 71.52 | 18.10 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 3.98 | 70.87 | 17.92 |      | 65.0 |         |
|           |                                             | Z | 4.44 | 72.38 | 19.22 |      | 65.0 |         |
| 10260-CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)   | X | 4.28 | 71.37 | 18.04 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 4.03 | 70.71 | 17.84 |      | 65.0 |         |
|           |                                             | Z | 4.50 | 72.22 | 19.16 |      | 65.0 |         |
| 10261-CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)     | X | 4.57 | 75.75 | 19.92 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 4.16 | 74.70 | 19.73 |      | 65.0 |         |
|           |                                             | Z | 4.82 | 76.90 | 21.19 |      | 65.0 |         |
| 10262-CAD | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)   | X | 4.70 | 72.91 | 19.76 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 4.40 | 72.01 | 19.49 |      | 65.0 |         |
|           |                                             | Z | 4.80 | 73.16 | 20.44 |      | 65.0 |         |
| 10263-CAD | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)   | X | 4.66 | 71.54 | 18.84 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 4.35 | 70.56 | 18.46 |      | 65.0 |         |
|           |                                             | Z | 4.74 | 71.65 | 19.42 |      | 65.0 |         |
| 10264-CAD | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)     | X | 5.02 | 76.53 | 20.75 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 4.56 | 75.33 | 20.51 |      | 65.0 |         |
|           |                                             | Z | 5.16 | 77.09 | 21.62 |      | 65.0 |         |
| 10265-CAD | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)  | X | 4.93 | 71.51 | 19.20 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 4.61 | 70.43 | 18.78 |      | 65.0 |         |
|           |                                             | Z | 4.98 | 71.47 | 19.58 |      | 65.0 |         |
| 10266-CAD | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)  | X | 5.22 | 72.26 | 19.89 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 4.90 | 71.27 | 19.52 |      | 65.0 |         |
|           |                                             | Z | 5.26 | 72.16 | 20.24 |      | 65.0 |         |
| 10267-CAD | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)    | X | 5.26 | 74.83 | 20.08 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 4.89 | 73.96 | 19.94 |      | 65.0 |         |
|           |                                             | Z | 5.38 | 75.22 | 20.74 |      | 65.0 |         |
| 10268-CAD | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)  | X | 5.57 | 71.58 | 19.63 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 5.27 | 70.65 | 19.26 |      | 65.0 |         |
|           |                                             | Z | 5.61 | 71.45 | 19.88 |      | 65.0 |         |
| 10269-CAD | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)  | X | 5.57 | 71.22 | 19.54 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 5.28 | 70.32 | 19.16 |      | 65.0 |         |
|           |                                             | Z | 5.59 | 71.03 | 19.75 |      | 65.0 |         |
| 10270-CAD | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)    | X | 5.40 | 72.88 | 19.42 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 5.11 | 72.23 | 19.30 |      | 65.0 |         |
|           |                                             | Z | 5.49 | 73.10 | 19.91 |      | 65.0 |         |

|           |                                                                    |   |      |       |       |      |       |         |
|-----------|--------------------------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10274-CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)                          | X | 2.59 | 66.11 | 15.12 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 2.47 | 65.32 | 14.39 |      | 150.0 |         |
|           |                                                                    | Z | 2.58 | 65.51 | 14.84 |      | 150.0 |         |
| 10275-CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)                           | X | 1.59 | 67.30 | 15.24 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.42 | 65.25 | 13.80 |      | 150.0 |         |
|           |                                                                    | Z | 1.54 | 66.09 | 14.55 |      | 150.0 |         |
| 10277-CAA | PHS (QPSK)                                                         | X | 1.37 | 59.50 | 4.87  | 9.03 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 1.46 | 59.81 | 5.31  |      | 50.0  |         |
|           |                                                                    | Z | 1.64 | 60.80 | 6.47  |      | 50.0  |         |
| 10278-CAA | PHS (QPSK, BW 884MHz, Rolloff 0.5)                                 | X | 2.82 | 67.26 | 12.18 | 9.03 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 3.55 | 70.40 | 14.08 |      | 50.0  |         |
|           |                                                                    | Z | 6.97 | 81.25 | 19.53 |      | 50.0  |         |
| 10279-CAA | PHS (QPSK, BW 884MHz, Rolloff 0.38)                                | X | 2.95 | 67.67 | 12.46 | 9.03 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 3.71 | 70.82 | 14.34 |      | 50.0  |         |
|           |                                                                    | Z | 7.26 | 81.68 | 19.75 |      | 50.0  |         |
| 10290-AAB | CDMA2000, RC1, SO55, Full Rate                                     | X | 1.38 | 67.50 | 13.44 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.11 | 64.67 | 11.54 |      | 150.0 |         |
|           |                                                                    | Z | 1.36 | 66.38 | 13.15 |      | 150.0 |         |
| 10291-AAB | CDMA2000, RC3, SO55, Full Rate                                     | X | 0.80 | 64.74 | 11.92 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 0.67 | 62.52 | 10.16 |      | 150.0 |         |
|           |                                                                    | Z | 0.80 | 63.80 | 11.64 |      | 150.0 |         |
| 10292-AAB | CDMA2000, RC3, SO32, Full Rate                                     | X | 0.96 | 67.97 | 13.91 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 0.73 | 64.10 | 11.36 |      | 150.0 |         |
|           |                                                                    | Z | 0.88 | 65.87 | 13.08 |      | 150.0 |         |
| 10293-AAB | CDMA2000, RC3, SO3, Full Rate                                      | X | 1.32 | 72.47 | 16.39 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 0.87 | 66.32 | 12.92 |      | 150.0 |         |
|           |                                                                    | Z | 1.08 | 68.64 | 14.87 |      | 150.0 |         |
| 10295-AAB | CDMA2000, RC1, SO3, 1/8th Rate 25 fr.                              | X | 6.63 | 80.88 | 21.88 | 9.03 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 7.75 | 83.85 | 23.30 |      | 50.0  |         |
|           |                                                                    | Z | 7.42 | 84.57 | 24.75 |      | 50.0  |         |
| 10297-AAC | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)                            | X | 2.73 | 69.13 | 16.36 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 2.50 | 67.55 | 15.32 |      | 150.0 |         |
|           |                                                                    | Z | 2.70 | 68.31 | 15.85 |      | 150.0 |         |
| 10298-AAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)                             | X | 1.53 | 66.83 | 13.75 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.31 | 64.61 | 12.14 |      | 150.0 |         |
|           |                                                                    | Z | 1.55 | 66.07 | 13.58 |      | 150.0 |         |
| 10299-AAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)                           | X | 2.48 | 68.93 | 14.31 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 2.15 | 67.21 | 13.19 |      | 150.0 |         |
|           |                                                                    | Z | 2.51 | 68.44 | 14.40 |      | 150.0 |         |
| 10300-AAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)                           | X | 1.94 | 64.94 | 11.65 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.74 | 63.85 | 10.77 |      | 150.0 |         |
|           |                                                                    | Z | 2.07 | 65.08 | 12.05 |      | 150.0 |         |
| 10301-AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)                 | X | 4.45 | 64.13 | 17.00 | 4.17 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 4.54 | 64.52 | 16.93 |      | 50.0  |         |
|           |                                                                    | Z | 4.68 | 64.34 | 17.07 |      | 50.0  |         |
| 10302-AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols) | X | 4.97 | 65.00 | 17.87 | 4.96 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 4.97 | 64.94 | 17.54 |      | 50.0  |         |
|           |                                                                    | Z | 5.19 | 65.15 | 17.90 |      | 50.0  |         |

|           |                                                                     |   |      |       |       |       |       |         |
|-----------|---------------------------------------------------------------------|---|------|-------|-------|-------|-------|---------|
| 10303-AAA | IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)                 | X | 4.69 | 64.50 | 17.64 | 4.96  | 50.0  | ± 9.6 % |
|           |                                                                     | Y | 4.70 | 64.48 | 17.32 |       | 50.0  |         |
|           |                                                                     | Z | 4.93 | 64.74 | 17.72 |       | 50.0  |         |
| 10304-AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)                 | X | 4.53 | 64.46 | 17.16 | 4.17  | 50.0  | ± 9.6 % |
|           |                                                                     | Y | 4.53 | 64.42 | 16.84 |       | 50.0  |         |
|           |                                                                     | Z | 4.75 | 64.64 | 17.21 |       | 50.0  |         |
| 10305-AAA | IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)    | X | 3.80 | 64.19 | 18.16 | 6.02  | 35.0  | ± 9.6 % |
|           |                                                                     | Y | 3.87 | 64.56 | 17.96 |       | 35.0  |         |
|           |                                                                     | Z | 4.07 | 64.84 | 18.57 |       | 35.0  |         |
| 10306-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)    | X | 4.29 | 64.18 | 18.18 | 6.02  | 35.0  | ± 9.6 % |
|           |                                                                     | Y | 4.33 | 64.45 | 17.98 |       | 35.0  |         |
|           |                                                                     | Z | 4.54 | 64.67 | 18.48 |       | 35.0  |         |
| 10307-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)     | X | 4.15 | 64.18 | 18.07 | 6.02  | 35.0  | ± 9.6 % |
|           |                                                                     | Y | 4.20 | 64.43 | 17.86 |       | 35.0  |         |
|           |                                                                     | Z | 4.41 | 64.74 | 18.41 |       | 35.0  |         |
| 10308-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)                | X | 4.10 | 64.25 | 18.15 | 6.02  | 35.0  | ± 9.6 % |
|           |                                                                     | Y | 4.15 | 64.53 | 17.94 |       | 35.0  |         |
|           |                                                                     | Z | 4.36 | 64.79 | 18.47 |       | 35.0  |         |
| 10309-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols) | X | 4.34 | 64.42 | 18.34 | 6.02  | 35.0  | ± 9.6 % |
|           |                                                                     | Y | 4.38 | 64.64 | 18.11 |       | 35.0  |         |
|           |                                                                     | Z | 4.61 | 64.95 | 18.65 |       | 35.0  |         |
| 10310-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)  | X | 4.22 | 64.15 | 18.11 | 6.02  | 35.0  | ± 9.6 % |
|           |                                                                     | Y | 4.27 | 64.43 | 17.91 |       | 35.0  |         |
|           |                                                                     | Z | 4.47 | 64.66 | 18.41 |       | 35.0  |         |
| 10311-AAC | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)                            | X | 3.08 | 68.41 | 16.01 | 0.00  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 2.83 | 66.96 | 15.08 |       | 150.0 |         |
|           |                                                                     | Z | 3.04 | 67.67 | 15.56 |       | 150.0 |         |
| 10313-AAA | iDEN 1:3                                                            | X | 1.93 | 67.35 | 13.14 | 6.99  | 70.0  | ± 9.6 % |
|           |                                                                     | Y | 1.93 | 68.35 | 14.27 |       | 70.0  |         |
|           |                                                                     | Z | 2.40 | 71.32 | 15.94 |       | 70.0  |         |
| 10314-AAA | iDEN 1:6                                                            | X | 2.27 | 70.89 | 17.77 | 10.00 | 30.0  | ± 9.6 % |
|           |                                                                     | Y | 2.62 | 73.62 | 19.58 |       | 30.0  |         |
|           |                                                                     | Z | 3.14 | 77.23 | 21.54 |       | 30.0  |         |
| 10315-AAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)           | X | 1.04 | 63.00 | 14.70 | 0.17  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 1.01 | 61.96 | 13.65 |       | 150.0 |         |
|           |                                                                     | Z | 1.04 | 62.39 | 14.25 |       | 150.0 |         |
| 10316-AAB | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)       | X | 4.58 | 66.38 | 16.21 | 0.17  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.51 | 66.15 | 15.92 |       | 150.0 |         |
|           |                                                                     | Z | 4.66 | 66.24 | 16.16 |       | 150.0 |         |
| 10317-AAB | IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)             | X | 4.58 | 66.38 | 16.21 | 0.17  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.51 | 66.15 | 15.92 |       | 150.0 |         |
|           |                                                                     | Z | 4.66 | 66.24 | 16.16 |       | 150.0 |         |
| 10400-AAC | IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)                 | X | 4.73 | 66.83 | 16.29 | 0.00  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.63 | 66.50 | 15.92 |       | 150.0 |         |
|           |                                                                     | Z | 4.80 | 66.62 | 16.15 |       | 150.0 |         |
| 10401-AAC | IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)                 | X | 5.46 | 67.13 | 16.53 | 0.00  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 5.37 | 66.86 | 16.21 |       | 150.0 |         |
|           |                                                                     | Z | 5.49 | 66.87 | 16.36 |       | 150.0 |         |

|           |                                                                                |   |       |        |       |      |       |         |
|-----------|--------------------------------------------------------------------------------|---|-------|--------|-------|------|-------|---------|
| 10402-AAC | IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)                            | X | 5.69  | 67.34  | 16.48 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 5.60  | 67.08  | 16.18 |      | 150.0 |         |
|           |                                                                                | Z | 5.76  | 67.28  | 16.41 |      | 150.0 |         |
| 10403-AAB | CDMA2000 (1xEV-DO, Rev. 0)                                                     | X | 1.38  | 67.50  | 13.44 | 0.00 | 115.0 | ± 9.6 % |
|           |                                                                                | Y | 1.11  | 64.67  | 11.54 |      | 115.0 |         |
|           |                                                                                | Z | 1.36  | 66.38  | 13.15 |      | 115.0 |         |
| 10404-AAB | CDMA2000 (1xEV-DO, Rev. A)                                                     | X | 1.38  | 67.50  | 13.44 | 0.00 | 115.0 | ± 9.6 % |
|           |                                                                                | Y | 1.11  | 64.67  | 11.54 |      | 115.0 |         |
|           |                                                                                | Z | 1.36  | 66.38  | 13.15 |      | 115.0 |         |
| 10406-AAB | CDMA2000, RC3, SO32, SCH0, Full Rate                                           | X | 12.63 | 96.69  | 25.06 | 0.00 | 100.0 | ± 9.6 % |
|           |                                                                                | Y | 7.87  | 90.51  | 23.01 |      | 100.0 |         |
|           |                                                                                | Z | 6.80  | 87.25  | 22.30 |      | 100.0 |         |
| 10410-AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                 | X | 8.57  | 90.28  | 22.05 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                                | Y | 10.59 | 96.74  | 24.97 |      | 80.0  |         |
|           |                                                                                | Z | 34.72 | 111.99 | 29.07 |      | 80.0  |         |
| 10415-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)                      | X | 1.00  | 62.58  | 14.38 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 0.97  | 61.57  | 13.28 |      | 150.0 |         |
|           |                                                                                | Z | 1.00  | 61.92  | 13.82 |      | 150.0 |         |
| 10416-AAA | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)                  | X | 4.56  | 66.47  | 16.22 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.48  | 66.18  | 15.87 |      | 150.0 |         |
|           |                                                                                | Z | 4.62  | 66.24  | 16.08 |      | 150.0 |         |
| 10417-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)                      | X | 4.56  | 66.47  | 16.22 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.48  | 66.18  | 15.87 |      | 150.0 |         |
|           |                                                                                | Z | 4.62  | 66.24  | 16.08 |      | 150.0 |         |
| 10418-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preamble)  | X | 4.55  | 66.61  | 16.23 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.46  | 66.32  | 15.88 |      | 150.0 |         |
|           |                                                                                | Z | 4.60  | 66.37  | 16.08 |      | 150.0 |         |
| 10419-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preamble) | X | 4.57  | 66.57  | 16.23 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.49  | 66.28  | 15.89 |      | 150.0 |         |
|           |                                                                                | Z | 4.62  | 66.33  | 16.09 |      | 150.0 |         |
| 10422-AAA | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)                                   | X | 4.69  | 66.58  | 16.26 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.61  | 66.30  | 15.92 |      | 150.0 |         |
|           |                                                                                | Z | 4.75  | 66.36  | 16.13 |      | 150.0 |         |
| 10423-AAA | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)                                | X | 4.86  | 66.90  | 16.38 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.76  | 66.61  | 16.03 |      | 150.0 |         |
|           |                                                                                | Z | 4.94  | 66.71  | 16.26 |      | 150.0 |         |
| 10424-AAA | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)                                | X | 4.78  | 66.85  | 16.35 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.68  | 66.55  | 16.00 |      | 150.0 |         |
|           |                                                                                | Z | 4.85  | 66.65  | 16.22 |      | 150.0 |         |
| 10425-AAA | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)                                    | X | 5.41  | 67.26  | 16.58 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 5.31  | 66.95  | 16.25 |      | 150.0 |         |
|           |                                                                                | Z | 5.47  | 67.10  | 16.47 |      | 150.0 |         |
| 10426-AAA | IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)                                  | X | 5.41  | 67.29  | 16.59 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 5.32  | 67.01  | 16.28 |      | 150.0 |         |
|           |                                                                                | Z | 5.47  | 67.12  | 16.47 |      | 150.0 |         |

|           |                                                                |   |       |        |       |      |       |         |
|-----------|----------------------------------------------------------------|---|-------|--------|-------|------|-------|---------|
| 10427-AAA | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)                 | X | 5.42  | 67.24  | 16.57 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 5.33  | 66.96  | 16.25 |      | 150.0 |         |
|           |                                                                | Z | 5.48  | 67.08  | 16.45 |      | 150.0 |         |
| 10430-AAB | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)                               | X | 4.14  | 69.81  | 17.72 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.05  | 69.61  | 17.39 |      | 150.0 |         |
|           |                                                                | Z | 4.21  | 69.45  | 17.67 |      | 150.0 |         |
| 10431-AAB | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)                              | X | 4.24  | 66.98  | 16.19 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.12  | 66.58  | 15.75 |      | 150.0 |         |
|           |                                                                | Z | 4.31  | 66.70  | 16.06 |      | 150.0 |         |
| 10432-AAB | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)                              | X | 4.55  | 66.88  | 16.28 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.44  | 66.54  | 15.90 |      | 150.0 |         |
|           |                                                                | Z | 4.61  | 66.65  | 16.15 |      | 150.0 |         |
| 10433-AAB | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)                              | X | 4.80  | 66.88  | 16.36 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.70  | 66.58  | 16.02 |      | 150.0 |         |
|           |                                                                | Z | 4.86  | 66.68  | 16.24 |      | 150.0 |         |
| 10434-AAA | W-CDMA (BS Test Model 1, 64 DPCH)                              | X | 4.19  | 70.49  | 17.62 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.08  | 70.19  | 17.21 |      | 150.0 |         |
|           |                                                                | Z | 4.26  | 70.06  | 17.58 |      | 150.0 |         |
| 10435-AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | X | 8.08  | 89.38  | 21.73 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                | Y | 9.97  | 95.75  | 24.64 |      | 80.0  |         |
|           |                                                                | Z | 32.03 | 110.68 | 28.69 |      | 80.0  |         |
| 10447-AAB | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)                 | X | 3.52  | 66.90  | 15.46 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.37  | 66.29  | 14.85 |      | 150.0 |         |
|           |                                                                | Z | 3.59  | 66.55  | 15.38 |      | 150.0 |         |
| 10448-AAB | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)                | X | 4.08  | 66.75  | 16.04 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.97  | 66.35  | 15.60 |      | 150.0 |         |
|           |                                                                | Z | 4.14  | 66.46  | 15.90 |      | 150.0 |         |
| 10449-AAB | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)                | X | 4.35  | 66.69  | 16.17 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.26  | 66.35  | 15.78 |      | 150.0 |         |
|           |                                                                | Z | 4.41  | 66.45  | 16.03 |      | 150.0 |         |
| 10450-AAB | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)                | X | 4.55  | 66.63  | 16.21 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.46  | 66.32  | 15.85 |      | 150.0 |         |
|           |                                                                | Z | 4.60  | 66.42  | 16.07 |      | 150.0 |         |
| 10451-AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)                | X | 3.41  | 67.03  | 15.05 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.23  | 66.30  | 14.37 |      | 150.0 |         |
|           |                                                                | Z | 3.48  | 66.70  | 15.03 |      | 150.0 |         |
| 10456-AAA | IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)           | X | 6.27  | 67.80  | 16.74 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 6.19  | 67.56  | 16.46 |      | 150.0 |         |
|           |                                                                | Z | 6.33  | 67.71  | 16.66 |      | 150.0 |         |
| 10457-AAA | UMTS-FDD (DC-HSDPA)                                            | X | 3.81  | 65.10  | 15.92 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.76  | 64.84  | 15.56 |      | 150.0 |         |
|           |                                                                | Z | 3.83  | 64.87  | 15.78 |      | 150.0 |         |
| 10458-AAA | CDMA2000 (1xEV-DO, Rev. B, 2 carriers)                         | X | 3.86  | 69.83  | 17.06 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.71  | 69.33  | 16.50 |      | 150.0 |         |
|           |                                                                | Z | 3.88  | 69.22  | 16.98 |      | 150.0 |         |
| 10459-AAA | CDMA2000 (1xEV-DO, Rev. B, 3 carriers)                         | X | 5.01  | 67.66  | 17.83 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.99  | 67.88  | 17.73 |      | 150.0 |         |
|           |                                                                | Z | 5.10  | 67.35  | 17.82 |      | 150.0 |         |

|           |                                                                   |   |       |       |       |      |       |         |
|-----------|-------------------------------------------------------------------|---|-------|-------|-------|------|-------|---------|
| 10460-AAA | UMTS-FDD (WCDMA, AMR)                                             | X | 0.87  | 67.15 | 15.48 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                   | Y | 0.74  | 63.94 | 13.18 |      | 150.0 |         |
|           |                                                                   | Z | 0.81  | 65.12 | 14.21 |      | 150.0 |         |
| 10461-AAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | X | 3.62  | 80.74 | 20.00 | 3.29 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 3.97  | 84.55 | 22.24 |      | 80.0  |         |
|           |                                                                   | Z | 11.92 | 98.97 | 26.61 |      | 80.0  |         |
| 10462-AAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 0.91  | 60.65 | 8.55  | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 1.07  | 63.39 | 10.40 |      | 80.0  |         |
|           |                                                                   | Z | 2.26  | 69.82 | 13.56 |      | 80.0  |         |
| 10463-AAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 0.87  | 60.00 | 7.66  | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 0.80  | 60.17 | 8.20  |      | 80.0  |         |
|           |                                                                   | Z | 1.39  | 64.04 | 10.57 |      | 80.0  |         |
| 10464-AAA | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 2.94  | 77.44 | 18.23 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 3.46  | 82.08 | 20.79 |      | 80.0  |         |
|           |                                                                   | Z | 11.21 | 96.87 | 25.34 |      | 80.0  |         |
| 10465-AAA | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 0.87  | 60.22 | 8.25  | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 0.98  | 62.45 | 9.88  |      | 80.0  |         |
|           |                                                                   | Z | 1.87  | 67.74 | 12.65 |      | 80.0  |         |
| 10466-AAA | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 0.87  | 60.00 | 7.60  | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 0.78  | 60.00 | 8.04  |      | 80.0  |         |
|           |                                                                   | Z | 1.27  | 63.14 | 10.09 |      | 80.0  |         |
| 10467-AAC | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 3.11  | 78.26 | 18.55 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 3.70  | 83.15 | 21.19 |      | 80.0  |         |
|           |                                                                   | Z | 12.62 | 98.69 | 25.88 |      | 80.0  |         |
| 10468-AAC | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 0.88  | 60.32 | 8.32  | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 1.00  | 62.69 | 10.01 |      | 80.0  |         |
|           |                                                                   | Z | 1.95  | 68.22 | 12.87 |      | 80.0  |         |
| 10469-AAC | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 0.87  | 60.00 | 7.60  | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 0.78  | 60.00 | 8.04  |      | 80.0  |         |
|           |                                                                   | Z | 1.27  | 63.16 | 10.10 |      | 80.0  |         |
| 10470-AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | X | 3.10  | 78.26 | 18.55 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 3.70  | 83.17 | 21.19 |      | 80.0  |         |
|           |                                                                   | Z | 12.65 | 98.77 | 25.90 |      | 80.0  |         |
| 10471-AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | X | 0.87  | 60.29 | 8.29  | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 0.99  | 62.64 | 9.97  |      | 80.0  |         |
|           |                                                                   | Z | 1.93  | 68.14 | 12.82 |      | 80.0  |         |
| 10472-AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | X | 0.87  | 60.00 | 7.59  | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 0.78  | 60.00 | 8.03  |      | 80.0  |         |
|           |                                                                   | Z | 1.26  | 63.11 | 10.06 |      | 80.0  |         |
| 10473-AAC | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | X | 3.09  | 78.24 | 18.53 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 3.69  | 83.14 | 21.17 |      | 80.0  |         |
|           |                                                                   | Z | 12.65 | 98.75 | 25.89 |      | 80.0  |         |
| 10474-AAC | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | X | 0.87  | 60.27 | 8.28  | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 0.99  | 62.60 | 9.96  |      | 80.0  |         |
|           |                                                                   | Z | 1.92  | 68.08 | 12.80 |      | 80.0  |         |
| 10475-AAC | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | X | 0.87  | 60.00 | 7.59  | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 0.78  | 60.00 | 8.03  |      | 80.0  |         |
|           |                                                                   | Z | 1.26  | 63.08 | 10.05 |      | 80.0  |         |

|           |                                                                     |   |      |       |       |      |      |         |
|-----------|---------------------------------------------------------------------|---|------|-------|-------|------|------|---------|
| 10477-AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)    | X | 0.86 | 60.18 | 8.21  | 3.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 0.97 | 62.41 | 9.84  |      | 80.0 |         |
|           |                                                                     | Z | 1.85 | 67.69 | 12.61 |      | 80.0 |         |
| 10478-AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)    | X | 0.87 | 60.00 | 7.58  | 3.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 0.78 | 60.00 | 8.02  |      | 80.0 |         |
|           |                                                                     | Z | 1.25 | 63.03 | 10.02 |      | 80.0 |         |
| 10479-AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | X | 3.40 | 74.56 | 18.88 | 3.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 3.58 | 76.27 | 19.86 |      | 80.0 |         |
|           |                                                                     | Z | 3.78 | 76.13 | 20.24 |      | 80.0 |         |
| 10480-AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 3.25 | 70.53 | 15.55 | 3.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 3.70 | 73.25 | 16.86 |      | 80.0 |         |
|           |                                                                     | Z | 4.47 | 75.01 | 18.16 |      | 80.0 |         |
| 10481-AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 2.85 | 68.41 | 14.31 | 3.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 3.16 | 70.69 | 15.46 |      | 80.0 |         |
|           |                                                                     | Z | 4.02 | 73.04 | 17.05 |      | 80.0 |         |
| 10482-AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 1.85 | 65.79 | 13.86 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 1.70 | 64.93 | 13.47 |      | 80.0 |         |
|           |                                                                     | Z | 2.24 | 68.21 | 15.79 |      | 80.0 |         |
| 10483-AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 2.68 | 67.26 | 14.24 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 2.76 | 68.20 | 14.74 |      | 80.0 |         |
|           |                                                                     | Z | 3.43 | 70.71 | 16.57 |      | 80.0 |         |
| 10484-AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 2.63 | 66.76 | 14.02 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 2.67 | 67.50 | 14.42 |      | 80.0 |         |
|           |                                                                     | Z | 3.34 | 70.04 | 16.29 |      | 80.0 |         |
| 10485-AAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 2.21 | 67.68 | 15.67 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 2.02 | 66.57 | 15.21 |      | 80.0 |         |
|           |                                                                     | Z | 2.48 | 69.09 | 16.94 |      | 80.0 |         |
| 10486-AAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 2.40 | 65.50 | 14.22 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 2.27 | 64.96 | 13.92 |      | 80.0 |         |
|           |                                                                     | Z | 2.69 | 66.82 | 15.49 |      | 80.0 |         |
| 10487-AAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 2.44 | 65.32 | 14.13 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 2.30 | 64.79 | 13.83 |      | 80.0 |         |
|           |                                                                     | Z | 2.72 | 66.61 | 15.38 |      | 80.0 |         |
| 10488-AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | X | 2.71 | 68.35 | 16.69 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 2.49 | 67.23 | 16.24 |      | 80.0 |         |
|           |                                                                     | Z | 2.90 | 69.10 | 17.43 |      | 80.0 |         |
| 10489-AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | X | 2.87 | 66.20 | 15.81 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 2.74 | 65.60 | 15.52 |      | 80.0 |         |
|           |                                                                     | Z | 3.03 | 66.65 | 16.42 |      | 80.0 |         |
| 10490-AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | X | 2.98 | 66.18 | 15.83 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 2.85 | 65.61 | 15.54 |      | 80.0 |         |
|           |                                                                     | Z | 3.14 | 66.60 | 16.42 |      | 80.0 |         |
| 10491-AAC | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | X | 3.09 | 67.86 | 16.64 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 2.89 | 66.97 | 16.28 |      | 80.0 |         |
|           |                                                                     | Z | 3.25 | 68.37 | 17.19 |      | 80.0 |         |
| 10492-AAC | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | X | 3.31 | 66.10 | 16.11 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 3.18 | 65.56 | 15.84 |      | 80.0 |         |
|           |                                                                     | Z | 3.44 | 66.36 | 16.53 |      | 80.0 |         |

|           |                                                                      |   |      |       |       |      |      |         |
|-----------|----------------------------------------------------------------------|---|------|-------|-------|------|------|---------|
| 10493-AAC | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 3.39 | 66.06 | 16.11 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 3.25 | 65.53 | 15.84 |      | 80.0 |         |
|           |                                                                      | Z | 3.52 | 66.30 | 16.52 |      | 80.0 |         |
| 10494-AAC | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 3.25 | 68.90 | 16.93 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 3.02 | 67.91 | 16.55 |      | 80.0 |         |
|           |                                                                      | Z | 3.45 | 69.63 | 17.57 |      | 80.0 |         |
| 10495-AAC | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 3.32 | 66.40 | 16.27 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 3.18 | 65.81 | 15.99 |      | 80.0 |         |
|           |                                                                      | Z | 3.45 | 66.71 | 16.70 |      | 80.0 |         |
| 10496-AAC | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 3.42 | 66.26 | 16.25 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 3.28 | 65.71 | 15.98 |      | 80.0 |         |
|           |                                                                      | Z | 3.55 | 66.54 | 16.66 |      | 80.0 |         |
| 10497-AAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | X | 1.36 | 62.40 | 11.22 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 1.28 | 61.96 | 10.96 |      | 80.0 |         |
|           |                                                                      | Z | 1.77 | 65.49 | 13.73 |      | 80.0 |         |
| 10498-AAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 1.33 | 60.00 | 8.95  | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 1.29 | 60.00 | 8.84  |      | 80.0 |         |
|           |                                                                      | Z | 1.69 | 62.28 | 11.11 |      | 80.0 |         |
| 10499-AAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 1.36 | 60.00 | 8.81  | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 1.31 | 60.00 | 8.70  |      | 80.0 |         |
|           |                                                                      | Z | 1.68 | 61.93 | 10.79 |      | 80.0 |         |
| 10500-AAA | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 2.40 | 67.85 | 16.06 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 2.20 | 66.75 | 15.60 |      | 80.0 |         |
|           |                                                                      | Z | 2.62 | 68.85 | 17.05 |      | 80.0 |         |
| 10501-AAA | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 2.62 | 65.89 | 14.89 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 2.48 | 65.33 | 14.60 |      | 80.0 |         |
|           |                                                                      | Z | 2.84 | 66.77 | 15.86 |      | 80.0 |         |
| 10502-AAA | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 2.68 | 65.85 | 14.82 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 2.54 | 65.32 | 14.53 |      | 80.0 |         |
|           |                                                                      | Z | 2.91 | 66.73 | 15.79 |      | 80.0 |         |
| 10503-AAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 2.68 | 68.22 | 16.62 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 2.47 | 67.09 | 16.16 |      | 80.0 |         |
|           |                                                                      | Z | 2.87 | 68.95 | 17.35 |      | 80.0 |         |
| 10504-AAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 2.87 | 66.14 | 15.77 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 2.73 | 65.54 | 15.47 |      | 80.0 |         |
|           |                                                                      | Z | 3.02 | 66.59 | 16.38 |      | 80.0 |         |
| 10505-AAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 2.97 | 66.12 | 15.78 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 2.84 | 65.55 | 15.49 |      | 80.0 |         |
|           |                                                                      | Z | 3.13 | 66.53 | 16.37 |      | 80.0 |         |
| 10506-AAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | X | 3.23 | 68.81 | 16.87 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 3.00 | 67.82 | 16.50 |      | 80.0 |         |
|           |                                                                      | Z | 3.43 | 69.52 | 17.51 |      | 80.0 |         |
| 10507-AAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | X | 3.31 | 66.35 | 16.24 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 3.17 | 65.76 | 15.95 |      | 80.0 |         |
|           |                                                                      | Z | 3.44 | 66.66 | 16.66 |      | 80.0 |         |

|           |                                                                     |   |      |       |       |      |       |         |
|-----------|---------------------------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10508-AAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 3.41 | 66.22 | 16.22 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 3.28 | 65.66 | 15.95 |      | 80.0  |         |
|           |                                                                     | Z | 3.54 | 66.48 | 16.62 |      | 80.0  |         |
| 10509-AAC | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | X | 3.68 | 68.30 | 16.69 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 3.48 | 67.59 | 16.42 |      | 80.0  |         |
|           |                                                                     | Z | 3.86 | 68.87 | 17.21 |      | 80.0  |         |
| 10510-AAC | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 3.83 | 66.48 | 16.42 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 3.69 | 65.95 | 16.17 |      | 80.0  |         |
|           |                                                                     | Z | 3.96 | 66.73 | 16.76 |      | 80.0  |         |
| 10511-AAC | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 3.90 | 66.31 | 16.40 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 3.77 | 65.82 | 16.15 |      | 80.0  |         |
|           |                                                                     | Z | 4.02 | 66.52 | 16.72 |      | 80.0  |         |
| 10512-AAC | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | X | 3.70 | 69.32 | 16.96 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 3.47 | 68.45 | 16.65 |      | 80.0  |         |
|           |                                                                     | Z | 3.93 | 70.10 | 17.59 |      | 80.0  |         |
| 10513-AAC | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 3.70 | 66.62 | 16.46 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 3.55 | 66.04 | 16.19 |      | 80.0  |         |
|           |                                                                     | Z | 3.83 | 66.93 | 16.84 |      | 80.0  |         |
| 10514-AAC | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 3.75 | 66.32 | 16.40 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 3.61 | 65.79 | 16.14 |      | 80.0  |         |
|           |                                                                     | Z | 3.87 | 66.58 | 16.74 |      | 80.0  |         |
| 10515-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)           | X | 0.96 | 62.75 | 14.42 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 0.93 | 61.64 | 13.25 |      | 150.0 |         |
|           |                                                                     | Z | 0.96 | 62.03 | 13.82 |      | 150.0 |         |
| 10516-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)         | X | 0.57 | 68.85 | 16.19 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 0.44 | 63.57 | 12.62 |      | 150.0 |         |
|           |                                                                     | Z | 0.49 | 65.23 | 13.96 |      | 150.0 |         |
| 10517-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)          | X | 0.81 | 64.47 | 14.89 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 0.74 | 62.48 | 13.16 |      | 150.0 |         |
|           |                                                                     | Z | 0.79 | 63.24 | 13.95 |      | 150.0 |         |
| 10518-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)           | X | 4.55 | 66.54 | 16.19 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.47 | 66.25 | 15.84 |      | 150.0 |         |
|           |                                                                     | Z | 4.61 | 66.31 | 16.06 |      | 150.0 |         |
| 10519-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)          | X | 4.74 | 66.79 | 16.32 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.65 | 66.48 | 15.97 |      | 150.0 |         |
|           |                                                                     | Z | 4.81 | 66.59 | 16.20 |      | 150.0 |         |
| 10520-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)          | X | 4.59 | 66.74 | 16.24 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.50 | 66.41 | 15.87 |      | 150.0 |         |
|           |                                                                     | Z | 4.66 | 66.54 | 16.11 |      | 150.0 |         |
| 10521-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)          | X | 4.53 | 66.73 | 16.22 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.43 | 66.39 | 15.85 |      | 150.0 |         |
|           |                                                                     | Z | 4.59 | 66.53 | 16.09 |      | 150.0 |         |
| 10522-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)          | X | 4.59 | 66.82 | 16.31 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.49 | 66.50 | 15.94 |      | 150.0 |         |
|           |                                                                     | Z | 4.64 | 66.57 | 16.15 |      | 150.0 |         |

|           |                                                            |   |      |       |       |      |       |         |
|-----------|------------------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10523-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) | X | 4.46 | 66.67 | 16.14 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.37 | 66.35 | 15.78 |      | 150.0 |         |
|           |                                                            | Z | 4.52 | 66.42 | 15.99 |      | 150.0 |         |
| 10524-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) | X | 4.53 | 66.74 | 16.27 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.43 | 66.41 | 15.91 |      | 150.0 |         |
|           |                                                            | Z | 4.59 | 66.50 | 16.13 |      | 150.0 |         |
| 10525-AAA | IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)          | X | 4.51 | 65.77 | 15.85 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.42 | 65.46 | 15.50 |      | 150.0 |         |
|           |                                                            | Z | 4.56 | 65.52 | 15.71 |      | 150.0 |         |
| 10526-AAA | IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)          | X | 4.68 | 66.14 | 16.00 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.58 | 65.81 | 15.64 |      | 150.0 |         |
|           |                                                            | Z | 4.74 | 65.91 | 15.86 |      | 150.0 |         |
| 10527-AAA | IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)          | X | 4.60 | 66.09 | 15.94 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.50 | 65.75 | 15.57 |      | 150.0 |         |
|           |                                                            | Z | 4.66 | 65.87 | 15.80 |      | 150.0 |         |
| 10528-AAA | IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)          | X | 4.62 | 66.11 | 15.97 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.51 | 65.77 | 15.60 |      | 150.0 |         |
|           |                                                            | Z | 4.68 | 65.89 | 15.83 |      | 150.0 |         |
| 10529-AAA | IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)          | X | 4.62 | 66.11 | 15.97 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.51 | 65.77 | 15.60 |      | 150.0 |         |
|           |                                                            | Z | 4.68 | 65.89 | 15.83 |      | 150.0 |         |
| 10531-AAA | IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)          | X | 4.61 | 66.22 | 15.99 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.50 | 65.85 | 15.60 |      | 150.0 |         |
|           |                                                            | Z | 4.68 | 66.01 | 15.85 |      | 150.0 |         |
| 10532-AAA | IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)          | X | 4.47 | 66.07 | 15.91 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.36 | 65.69 | 15.52 |      | 150.0 |         |
|           |                                                            | Z | 4.53 | 65.85 | 15.77 |      | 150.0 |         |
| 10533-AAA | IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)          | X | 4.63 | 66.16 | 15.96 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.52 | 65.82 | 15.59 |      | 150.0 |         |
|           |                                                            | Z | 4.69 | 65.92 | 15.81 |      | 150.0 |         |
| 10534-AAA | IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)          | X | 5.16 | 66.26 | 16.06 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 5.07 | 65.96 | 15.74 |      | 150.0 |         |
|           |                                                            | Z | 5.22 | 66.10 | 15.94 |      | 150.0 |         |
| 10535-AAA | IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)          | X | 5.23 | 66.45 | 16.14 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 5.13 | 66.15 | 15.82 |      | 150.0 |         |
|           |                                                            | Z | 5.28 | 66.25 | 16.01 |      | 150.0 |         |
| 10536-AAA | IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)          | X | 5.10 | 66.38 | 16.09 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 5.00 | 66.07 | 15.76 |      | 150.0 |         |
|           |                                                            | Z | 5.15 | 66.20 | 15.96 |      | 150.0 |         |
| 10537-AAA | IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)          | X | 5.16 | 66.35 | 16.08 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 5.06 | 66.05 | 15.75 |      | 150.0 |         |
|           |                                                            | Z | 5.21 | 66.19 | 15.96 |      | 150.0 |         |
| 10538-AAA | IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)          | X | 5.25 | 66.38 | 16.14 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 5.15 | 66.08 | 15.81 |      | 150.0 |         |
|           |                                                            | Z | 5.32 | 66.26 | 16.04 |      | 150.0 |         |
| 10540-AAA | IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)          | X | 5.18 | 66.40 | 16.16 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 5.09 | 66.10 | 15.84 |      | 150.0 |         |
|           |                                                            | Z | 5.23 | 66.22 | 16.03 |      | 150.0 |         |

|           |                                                    |   |      |       |       |      |       |         |
|-----------|----------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10541-AAA | IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)  | X | 5.15 | 66.26 | 16.08 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.06 | 65.96 | 15.76 |      | 150.0 |         |
|           |                                                    | Z | 5.20 | 66.10 | 15.96 |      | 150.0 |         |
| 10542-AAA | IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)  | X | 5.31 | 66.34 | 16.14 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.21 | 66.05 | 15.82 |      | 150.0 |         |
|           |                                                    | Z | 5.37 | 66.19 | 16.03 |      | 150.0 |         |
| 10543-AAA | IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)  | X | 5.39 | 66.39 | 16.19 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.29 | 66.10 | 15.87 |      | 150.0 |         |
|           |                                                    | Z | 5.45 | 66.23 | 16.07 |      | 150.0 |         |
| 10544-AAA | IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)  | X | 5.47 | 66.37 | 16.05 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.39 | 66.11 | 15.76 |      | 150.0 |         |
|           |                                                    | Z | 5.51 | 66.22 | 15.94 |      | 150.0 |         |
| 10545-AAA | IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)  | X | 5.68 | 66.83 | 16.24 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.58 | 66.54 | 15.93 |      | 150.0 |         |
|           |                                                    | Z | 5.73 | 66.68 | 16.12 |      | 150.0 |         |
| 10546-AAA | IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)  | X | 5.54 | 66.59 | 16.13 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.44 | 66.30 | 15.82 |      | 150.0 |         |
|           |                                                    | Z | 5.60 | 66.49 | 16.04 |      | 150.0 |         |
| 10547-AAA | IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)  | X | 5.61 | 66.63 | 16.14 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.52 | 66.35 | 15.84 |      | 150.0 |         |
|           |                                                    | Z | 5.69 | 66.58 | 16.08 |      | 150.0 |         |
| 10548-AAA | IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)  | X | 5.92 | 67.76 | 16.69 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.76 | 67.26 | 16.27 |      | 150.0 |         |
|           |                                                    | Z | 6.05 | 67.82 | 16.67 |      | 150.0 |         |
| 10550-AAA | IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)  | X | 5.57 | 66.62 | 16.15 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.48 | 66.34 | 15.85 |      | 150.0 |         |
|           |                                                    | Z | 5.62 | 66.46 | 16.03 |      | 150.0 |         |
| 10551-AAA | IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)  | X | 5.57 | 66.64 | 16.12 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.48 | 66.36 | 15.83 |      | 150.0 |         |
|           |                                                    | Z | 5.62 | 66.51 | 16.02 |      | 150.0 |         |
| 10552-AAA | IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)  | X | 5.48 | 66.42 | 16.02 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.40 | 66.17 | 15.73 |      | 150.0 |         |
|           |                                                    | Z | 5.53 | 66.28 | 15.92 |      | 150.0 |         |
| 10553-AAA | IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)  | X | 5.57 | 66.47 | 16.08 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.48 | 66.20 | 15.78 |      | 150.0 |         |
|           |                                                    | Z | 5.62 | 66.34 | 15.98 |      | 150.0 |         |
| 10554-AAB | IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle) | X | 5.88 | 66.74 | 16.15 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.80 | 66.50 | 15.87 |      | 150.0 |         |
|           |                                                    | Z | 5.92 | 66.62 | 16.06 |      | 150.0 |         |
| 10555-AAB | IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle) | X | 6.02 | 67.07 | 16.29 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.93 | 66.80 | 16.00 |      | 150.0 |         |
|           |                                                    | Z | 6.07 | 66.95 | 16.20 |      | 150.0 |         |
| 10556-AAB | IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle) | X | 6.04 | 67.11 | 16.31 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.95 | 66.84 | 16.02 |      | 150.0 |         |
|           |                                                    | Z | 6.08 | 66.98 | 16.21 |      | 150.0 |         |
| 10557-AAB | IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle) | X | 6.00 | 67.01 | 16.28 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.91 | 66.73 | 15.98 |      | 150.0 |         |
|           |                                                    | Z | 6.06 | 66.91 | 16.19 |      | 150.0 |         |

|           |                                                                 |   |      |       |       |      |       |         |
|-----------|-----------------------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10558-AAB | IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)              | X | 6.05 | 67.18 | 16.38 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 5.95 | 66.89 | 16.07 |      | 150.0 |         |
|           |                                                                 | Z | 6.11 | 67.10 | 16.30 |      | 150.0 |         |
| 10560-AAB | IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)              | X | 6.04 | 67.01 | 16.33 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 5.95 | 66.75 | 16.04 |      | 150.0 |         |
|           |                                                                 | Z | 6.10 | 66.92 | 16.25 |      | 150.0 |         |
| 10561-AAB | IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)              | X | 5.97 | 67.00 | 16.36 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 5.88 | 66.72 | 16.06 |      | 150.0 |         |
|           |                                                                 | Z | 6.02 | 66.89 | 16.27 |      | 150.0 |         |
| 10562-AAB | IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)              | X | 6.10 | 67.42 | 16.57 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 5.99 | 67.06 | 16.24 |      | 150.0 |         |
|           |                                                                 | Z | 6.18 | 67.38 | 16.52 |      | 150.0 |         |
| 10563-AAB | IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)              | X | 6.37 | 67.83 | 16.74 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 6.15 | 67.19 | 16.27 |      | 150.0 |         |
|           |                                                                 | Z | 6.58 | 68.12 | 16.84 |      | 150.0 |         |
| 10564-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)  | X | 4.88 | 66.63 | 16.36 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.80 | 66.36 | 16.03 |      | 150.0 |         |
|           |                                                                 | Z | 4.94 | 66.44 | 16.26 |      | 150.0 |         |
| 10565-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle) | X | 5.11 | 67.07 | 16.68 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 5.02 | 66.80 | 16.36 |      | 150.0 |         |
|           |                                                                 | Z | 5.19 | 66.91 | 16.59 |      | 150.0 |         |
| 10566-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle) | X | 4.94 | 66.91 | 16.49 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.85 | 66.62 | 16.16 |      | 150.0 |         |
|           |                                                                 | Z | 5.02 | 66.76 | 16.40 |      | 150.0 |         |
| 10567-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) | X | 4.96 | 67.24 | 16.80 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.87 | 66.98 | 16.49 |      | 150.0 |         |
|           |                                                                 | Z | 5.04 | 67.10 | 16.72 |      | 150.0 |         |
| 10568-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) | X | 4.86 | 66.71 | 16.28 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.76 | 66.40 | 15.93 |      | 150.0 |         |
|           |                                                                 | Z | 4.93 | 66.51 | 16.16 |      | 150.0 |         |
| 10569-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) | X | 4.90 | 67.28 | 16.82 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.83 | 67.06 | 16.55 |      | 150.0 |         |
|           |                                                                 | Z | 4.97 | 67.11 | 16.74 |      | 150.0 |         |
| 10570-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) | X | 4.95 | 67.19 | 16.80 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.87 | 66.94 | 16.50 |      | 150.0 |         |
|           |                                                                 | Z | 5.03 | 67.01 | 16.70 |      | 150.0 |         |
| 10571-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)       | X | 1.08 | 63.20 | 14.80 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 1.04 | 62.15 | 13.83 |      | 130.0 |         |
|           |                                                                 | Z | 1.09 | 62.67 | 14.50 |      | 130.0 |         |
| 10572-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)       | X | 1.09 | 63.63 | 15.08 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 1.04 | 62.50 | 14.07 |      | 130.0 |         |
|           |                                                                 | Z | 1.09 | 63.07 | 14.76 |      | 130.0 |         |
| 10573-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)     | X | 1.06 | 75.27 | 18.99 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 0.66 | 67.16 | 14.93 |      | 130.0 |         |
|           |                                                                 | Z | 0.83 | 70.70 | 17.11 |      | 130.0 |         |
| 10574-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)      | X | 1.09 | 67.76 | 17.22 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 0.98 | 65.29 | 15.54 |      | 130.0 |         |
|           |                                                                 | Z | 1.06 | 66.60 | 16.62 |      | 130.0 |         |

|           |                                                                 |   |      |       |       |      |       |         |
|-----------|-----------------------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10575-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)  | X | 4.63 | 66.30 | 16.32 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.56 | 66.08 | 16.03 |      | 130.0 |         |
|           |                                                                 | Z | 4.71 | 66.17 | 16.27 |      | 130.0 |         |
| 10576-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)  | X | 4.65 | 66.45 | 16.37 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.59 | 66.24 | 16.09 |      | 130.0 |         |
|           |                                                                 | Z | 4.73 | 66.31 | 16.33 |      | 130.0 |         |
| 10577-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) | X | 4.86 | 66.76 | 16.55 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.78 | 66.53 | 16.27 |      | 130.0 |         |
|           |                                                                 | Z | 4.96 | 66.65 | 16.52 |      | 130.0 |         |
| 10578-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) | X | 4.75 | 66.87 | 16.62 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.68 | 66.65 | 16.35 |      | 130.0 |         |
|           |                                                                 | Z | 4.84 | 66.77 | 16.60 |      | 130.0 |         |
| 10579-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) | X | 4.53 | 66.23 | 15.98 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.44 | 65.94 | 15.66 |      | 130.0 |         |
|           |                                                                 | Z | 4.62 | 66.12 | 15.95 |      | 130.0 |         |
| 10580-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) | X | 4.58 | 66.29 | 16.02 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.49 | 66.00 | 15.69 |      | 130.0 |         |
|           |                                                                 | Z | 4.66 | 66.14 | 15.97 |      | 130.0 |         |
| 10581-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) | X | 4.64 | 66.87 | 16.54 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.56 | 66.64 | 16.26 |      | 130.0 |         |
|           |                                                                 | Z | 4.73 | 66.79 | 16.52 |      | 130.0 |         |
| 10582-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) | X | 4.48 | 66.04 | 15.81 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.39 | 65.72 | 15.46 |      | 130.0 |         |
|           |                                                                 | Z | 4.57 | 65.91 | 15.76 |      | 130.0 |         |
| 10583-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)       | X | 4.63 | 66.30 | 16.32 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.56 | 66.08 | 16.03 |      | 130.0 |         |
|           |                                                                 | Z | 4.71 | 66.17 | 16.27 |      | 130.0 |         |
| 10584-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)       | X | 4.65 | 66.45 | 16.37 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.59 | 66.24 | 16.09 |      | 130.0 |         |
|           |                                                                 | Z | 4.73 | 66.31 | 16.33 |      | 130.0 |         |
| 10585-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)      | X | 4.86 | 66.76 | 16.55 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.78 | 66.53 | 16.27 |      | 130.0 |         |
|           |                                                                 | Z | 4.96 | 66.65 | 16.52 |      | 130.0 |         |
| 10586-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)      | X | 4.75 | 66.87 | 16.62 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.68 | 66.65 | 16.35 |      | 130.0 |         |
|           |                                                                 | Z | 4.84 | 66.77 | 16.60 |      | 130.0 |         |
| 10587-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)      | X | 4.53 | 66.23 | 15.98 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.44 | 65.94 | 15.66 |      | 130.0 |         |
|           |                                                                 | Z | 4.62 | 66.12 | 15.95 |      | 130.0 |         |
| 10588-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)      | X | 4.58 | 66.29 | 16.02 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.49 | 66.00 | 15.69 |      | 130.0 |         |
|           |                                                                 | Z | 4.66 | 66.14 | 15.97 |      | 130.0 |         |
| 10589-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)      | X | 4.64 | 66.87 | 16.54 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.56 | 66.64 | 16.26 |      | 130.0 |         |
|           |                                                                 | Z | 4.73 | 66.79 | 16.52 |      | 130.0 |         |
| 10590-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)      | X | 4.48 | 66.04 | 15.81 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.39 | 65.72 | 15.46 |      | 130.0 |         |
|           |                                                                 | Z | 4.57 | 65.91 | 15.76 |      | 130.0 |         |

|           |                                                       |   |      |       |       |      |       |         |
|-----------|-------------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10591-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle) | X | 4.79 | 66.37 | 16.42 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.72 | 66.18 | 16.16 |      | 130.0 |         |
|           |                                                       | Z | 4.87 | 66.25 | 16.39 |      | 130.0 |         |
| 10592-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle) | X | 4.94 | 66.70 | 16.55 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.87 | 66.50 | 16.29 |      | 130.0 |         |
|           |                                                       | Z | 5.03 | 66.59 | 16.52 |      | 130.0 |         |
| 10593-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle) | X | 4.86 | 66.62 | 16.44 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.78 | 66.39 | 16.16 |      | 130.0 |         |
|           |                                                       | Z | 4.95 | 66.52 | 16.41 |      | 130.0 |         |
| 10594-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle) | X | 4.91 | 66.77 | 16.58 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.84 | 66.56 | 16.31 |      | 130.0 |         |
|           |                                                       | Z | 5.00 | 66.66 | 16.55 |      | 130.0 |         |
| 10595-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle) | X | 4.88 | 66.72 | 16.48 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.80 | 66.50 | 16.20 |      | 130.0 |         |
|           |                                                       | Z | 4.97 | 66.62 | 16.45 |      | 130.0 |         |
| 10596-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle) | X | 4.82 | 66.72 | 16.48 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.74 | 66.49 | 16.20 |      | 130.0 |         |
|           |                                                       | Z | 4.91 | 66.61 | 16.44 |      | 130.0 |         |
| 10597-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle) | X | 4.77 | 66.63 | 16.37 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.69 | 66.38 | 16.07 |      | 130.0 |         |
|           |                                                       | Z | 4.86 | 66.53 | 16.34 |      | 130.0 |         |
| 10598-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle) | X | 4.74 | 66.81 | 16.59 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.66 | 66.58 | 16.32 |      | 130.0 |         |
|           |                                                       | Z | 4.83 | 66.74 | 16.58 |      | 130.0 |         |
| 10599-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle) | X | 5.47 | 66.99 | 16.68 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.41 | 66.81 | 16.44 |      | 130.0 |         |
|           |                                                       | Z | 5.56 | 66.92 | 16.65 |      | 130.0 |         |
| 10600-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle) | X | 5.64 | 67.53 | 16.93 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.55 | 67.25 | 16.64 |      | 130.0 |         |
|           |                                                       | Z | 5.77 | 67.57 | 16.95 |      | 130.0 |         |
| 10601-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle) | X | 5.51 | 67.21 | 16.78 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.43 | 66.96 | 16.51 |      | 130.0 |         |
|           |                                                       | Z | 5.61 | 67.18 | 16.77 |      | 130.0 |         |
| 10602-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle) | X | 5.61 | 67.26 | 16.73 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.53 | 67.04 | 16.47 |      | 130.0 |         |
|           |                                                       | Z | 5.70 | 67.17 | 16.69 |      | 130.0 |         |
| 10603-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle) | X | 5.68 | 67.51 | 16.98 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.60 | 67.30 | 16.73 |      | 130.0 |         |
|           |                                                       | Z | 5.77 | 67.44 | 16.94 |      | 130.0 |         |
| 10604-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle) | X | 5.48 | 66.95 | 16.69 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.43 | 66.84 | 16.48 |      | 130.0 |         |
|           |                                                       | Z | 5.56 | 66.89 | 16.66 |      | 130.0 |         |
| 10605-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle) | X | 5.61 | 67.38 | 16.91 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.53 | 67.14 | 16.63 |      | 130.0 |         |
|           |                                                       | Z | 5.69 | 67.26 | 16.85 |      | 130.0 |         |
| 10606-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle) | X | 5.35 | 66.69 | 16.42 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.26 | 66.41 | 16.13 |      | 130.0 |         |
|           |                                                       | Z | 5.44 | 66.64 | 16.40 |      | 130.0 |         |

|           |                                                   |   |      |       |       |      |       |         |
|-----------|---------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10607-AAA | IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle) | X | 4.62 | 65.66 | 16.02 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.55 | 65.44 | 15.75 |      | 130.0 |         |
|           |                                                   | Z | 4.69 | 65.52 | 15.97 |      | 130.0 |         |
| 10608-AAA | IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle) | X | 4.81 | 66.06 | 16.19 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.72 | 65.83 | 15.91 |      | 130.0 |         |
|           |                                                   | Z | 4.89 | 65.94 | 16.14 |      | 130.0 |         |
| 10609-AAA | IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle) | X | 4.70 | 65.91 | 16.03 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.61 | 65.66 | 15.74 |      | 130.0 |         |
|           |                                                   | Z | 4.78 | 65.79 | 15.99 |      | 130.0 |         |
| 10610-AAA | IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle) | X | 4.74 | 66.05 | 16.18 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.66 | 65.81 | 15.90 |      | 130.0 |         |
|           |                                                   | Z | 4.83 | 65.94 | 16.14 |      | 130.0 |         |
| 10611-AAA | IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle) | X | 4.66 | 65.87 | 16.03 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.58 | 65.62 | 15.74 |      | 130.0 |         |
|           |                                                   | Z | 4.75 | 65.77 | 16.00 |      | 130.0 |         |
| 10612-AAA | IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle) | X | 4.67 | 66.03 | 16.08 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.58 | 65.76 | 15.78 |      | 130.0 |         |
|           |                                                   | Z | 4.76 | 65.91 | 16.04 |      | 130.0 |         |
| 10613-AAA | IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle) | X | 4.68 | 65.94 | 15.98 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.58 | 65.64 | 15.66 |      | 130.0 |         |
|           |                                                   | Z | 4.77 | 65.83 | 15.94 |      | 130.0 |         |
| 10614-AAA | IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle) | X | 4.61 | 66.06 | 16.17 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.53 | 65.80 | 15.88 |      | 130.0 |         |
|           |                                                   | Z | 4.70 | 65.97 | 16.14 |      | 130.0 |         |
| 10615-AAA | IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle) | X | 4.67 | 65.74 | 15.84 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.58 | 65.47 | 15.53 |      | 130.0 |         |
|           |                                                   | Z | 4.75 | 65.61 | 15.79 |      | 130.0 |         |
| 10616-AAA | IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle) | X | 5.28 | 66.20 | 16.26 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.21 | 65.99 | 16.01 |      | 130.0 |         |
|           |                                                   | Z | 5.37 | 66.14 | 16.23 |      | 130.0 |         |
| 10617-AAA | IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle) | X | 5.36 | 66.41 | 16.34 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.28 | 66.19 | 16.08 |      | 130.0 |         |
|           |                                                   | Z | 5.43 | 66.27 | 16.27 |      | 130.0 |         |
| 10618-AAA | IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle) | X | 5.23 | 66.37 | 16.33 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.16 | 66.15 | 16.08 |      | 130.0 |         |
|           |                                                   | Z | 5.32 | 66.30 | 16.30 |      | 130.0 |         |
| 10619-AAA | IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle) | X | 5.27 | 66.24 | 16.20 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.18 | 65.98 | 15.93 |      | 130.0 |         |
|           |                                                   | Z | 5.35 | 66.15 | 16.16 |      | 130.0 |         |
| 10620-AAA | IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle) | X | 5.35 | 66.27 | 16.27 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.27 | 66.03 | 16.00 |      | 130.0 |         |
|           |                                                   | Z | 5.45 | 66.25 | 16.26 |      | 130.0 |         |
| 10621-AAA | IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle) | X | 5.34 | 66.34 | 16.41 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.27 | 66.15 | 16.18 |      | 130.0 |         |
|           |                                                   | Z | 5.42 | 66.28 | 16.39 |      | 130.0 |         |
| 10622-AAA | IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle) | X | 5.36 | 66.54 | 16.51 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.28 | 66.31 | 16.25 |      | 130.0 |         |
|           |                                                   | Z | 5.44 | 66.44 | 16.46 |      | 130.0 |         |

|           |                                                    |   |      |       |       |      |       |         |
|-----------|----------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10623-AAA | IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)  | X | 5.24 | 66.08 | 16.16 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.17 | 65.85 | 15.90 |      | 130.0 |         |
|           |                                                    | Z | 5.32 | 65.99 | 16.12 |      | 130.0 |         |
| 10624-AAA | IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)  | X | 5.44 | 66.29 | 16.33 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.36 | 66.07 | 16.07 |      | 130.0 |         |
|           |                                                    | Z | 5.52 | 66.22 | 16.30 |      | 130.0 |         |
| 10625-AAA | IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)  | X | 5.84 | 67.39 | 16.94 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.70 | 66.97 | 16.58 |      | 130.0 |         |
|           |                                                    | Z | 5.98 | 67.45 | 16.96 |      | 130.0 |         |
| 10626-AAA | IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)  | X | 5.58 | 66.27 | 16.22 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.52 | 66.09 | 16.00 |      | 130.0 |         |
|           |                                                    | Z | 5.64 | 66.20 | 16.19 |      | 130.0 |         |
| 10627-AAA | IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)  | X | 5.84 | 66.91 | 16.51 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.76 | 66.68 | 16.26 |      | 130.0 |         |
|           |                                                    | Z | 5.92 | 66.85 | 16.47 |      | 130.0 |         |
| 10628-AAA | IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)  | X | 5.63 | 66.41 | 16.20 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.55 | 66.17 | 15.93 |      | 130.0 |         |
|           |                                                    | Z | 5.71 | 66.37 | 16.17 |      | 130.0 |         |
| 10629-AAA | IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)  | X | 5.72 | 66.52 | 16.25 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.62 | 66.23 | 15.96 |      | 130.0 |         |
|           |                                                    | Z | 5.79 | 66.43 | 16.20 |      | 130.0 |         |
| 10630-AAA | IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)  | X | 6.25 | 68.29 | 17.14 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 6.05 | 67.71 | 16.70 |      | 130.0 |         |
|           |                                                    | Z | 6.42 | 68.49 | 17.22 |      | 130.0 |         |
| 10631-AAA | IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)  | X | 6.05 | 67.77 | 17.05 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.93 | 67.44 | 16.76 |      | 130.0 |         |
|           |                                                    | Z | 6.20 | 67.92 | 17.12 |      | 130.0 |         |
| 10632-AAA | IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)  | X | 5.80 | 66.91 | 16.63 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.73 | 66.73 | 16.42 |      | 130.0 |         |
|           |                                                    | Z | 5.87 | 66.85 | 16.61 |      | 130.0 |         |
| 10633-AAA | IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)  | X | 5.68 | 66.52 | 16.28 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.60 | 66.31 | 16.04 |      | 130.0 |         |
|           |                                                    | Z | 5.77 | 66.53 | 16.28 |      | 130.0 |         |
| 10634-AAA | IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)  | X | 5.66 | 66.54 | 16.34 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.59 | 66.34 | 16.11 |      | 130.0 |         |
|           |                                                    | Z | 5.75 | 66.52 | 16.33 |      | 130.0 |         |
| 10635-AAA | IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)  | X | 5.56 | 65.97 | 15.81 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.48 | 65.72 | 15.54 |      | 130.0 |         |
|           |                                                    | Z | 5.65 | 65.94 | 15.79 |      | 130.0 |         |
| 10636-AAB | IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle) | X | 6.01 | 66.68 | 16.34 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.94 | 66.49 | 16.11 |      | 130.0 |         |
|           |                                                    | Z | 6.07 | 66.64 | 16.32 |      | 130.0 |         |
| 10637-AAB | IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle) | X | 6.17 | 67.09 | 16.53 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 6.10 | 66.88 | 16.29 |      | 130.0 |         |
|           |                                                    | Z | 6.24 | 67.05 | 16.51 |      | 130.0 |         |
| 10638-AAB | IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle) | X | 6.17 | 67.06 | 16.49 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 6.09 | 66.84 | 16.25 |      | 130.0 |         |
|           |                                                    | Z | 6.25 | 67.03 | 16.47 |      | 130.0 |         |

|           |                                                        |   |       |        |       |      |       |         |
|-----------|--------------------------------------------------------|---|-------|--------|-------|------|-------|---------|
| 10639-AAB | IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)     | X | 6.14  | 66.99  | 16.50 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.07  | 66.78  | 16.26 |      | 130.0 |         |
|           |                                                        | Z | 6.23  | 66.98  | 16.50 |      | 130.0 |         |
| 10640-AAB | IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)     | X | 6.16  | 67.04  | 16.47 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.07  | 66.79  | 16.21 |      | 130.0 |         |
|           |                                                        | Z | 6.25  | 67.07  | 16.48 |      | 130.0 |         |
| 10641-AAB | IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)     | X | 6.20  | 66.93  | 16.44 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.13  | 66.74  | 16.21 |      | 130.0 |         |
|           |                                                        | Z | 6.26  | 66.85  | 16.39 |      | 130.0 |         |
| 10642-AAB | IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)     | X | 6.23  | 67.13  | 16.69 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.16  | 66.95  | 16.48 |      | 130.0 |         |
|           |                                                        | Z | 6.31  | 67.12  | 16.69 |      | 130.0 |         |
| 10643-AAB | IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)     | X | 6.08  | 66.88  | 16.48 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.00  | 66.65  | 16.23 |      | 130.0 |         |
|           |                                                        | Z | 6.15  | 66.83  | 16.45 |      | 130.0 |         |
| 10644-AAB | IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)     | X | 6.25  | 67.41  | 16.77 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.14  | 67.08  | 16.46 |      | 130.0 |         |
|           |                                                        | Z | 6.37  | 67.51  | 16.81 |      | 130.0 |         |
| 10645-AAB | IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)     | X | 6.68  | 68.28  | 17.17 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.39  | 67.46  | 16.61 |      | 130.0 |         |
|           |                                                        | Z | 6.88  | 68.53  | 17.27 |      | 130.0 |         |
| 10646-AAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)  | X | 13.69 | 105.49 | 36.33 | 9.30 | 60.0  | ± 9.6 % |
|           |                                                        | Y | 7.79  | 92.76  | 32.47 |      | 60.0  |         |
|           |                                                        | Z | 10.29 | 98.14  | 34.43 |      | 60.0  |         |
| 10647-AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) | X | 11.78 | 102.54 | 35.51 | 9.30 | 60.0  | ± 9.6 % |
|           |                                                        | Y | 6.96  | 90.51  | 31.76 |      | 60.0  |         |
|           |                                                        | Z | 9.19  | 95.89  | 33.75 |      | 60.0  |         |
| 10648-AAA | CDMA2000 (1x Advanced)                                 | X | 0.67  | 62.83  | 10.37 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                        | Y | 0.60  | 61.40  | 9.04  |      | 150.0 |         |
|           |                                                        | Z | 0.70  | 62.44  | 10.40 |      | 150.0 |         |
| 10652-AAB | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         | X | 3.26  | 65.18  | 15.69 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                        | Y | 3.15  | 64.71  | 15.36 |      | 80.0  |         |
|           |                                                        | Z | 3.35  | 65.17  | 15.95 |      | 80.0  |         |
| 10653-AAB | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)        | X | 3.85  | 64.98  | 16.08 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                        | Y | 3.74  | 64.58  | 15.78 |      | 80.0  |         |
|           |                                                        | Z | 3.91  | 64.91  | 16.22 |      | 80.0  |         |
| 10654-AAB | LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)        | X | 3.84  | 64.69  | 16.11 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                        | Y | 3.75  | 64.30  | 15.82 |      | 80.0  |         |
|           |                                                        | Z | 3.89  | 64.61  | 16.22 |      | 80.0  |         |
| 10655-AAB | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)        | X | 3.90  | 64.72  | 16.17 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                        | Y | 3.82  | 64.32  | 15.88 |      | 80.0  |         |
|           |                                                        | Z | 3.95  | 64.65  | 16.28 |      | 80.0  |         |

<sup>6</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.



Accredited by the Swiss Accreditation Service (SAS)

Accreditation No.: **SCS 0108**

The Swiss Accreditation Service is one of the signatories to the EA  
 Multilateral Agreement for the recognition of calibration certificates

Client **Huawei-SZ (Auden)**

Certificate No: **EX3-3736\_Apr18**

## CALIBRATION CERTIFICATE

Object **EX3DV4 - SN:3736**

Calibration procedure(s) **QA CAL-01.v9, QA CAL-14.v4, QA CAL-23.v5, QA CAL-25.v6**  
**Calibration procedure for dosimetric E-field probes**

Calibration date: **April 27, 2018**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).  
 The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature  $(22 \pm 3)^\circ\text{C}$  and humidity  $< 70\%$ .

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards          | ID               | Cal Date (Certificate No.)        | Scheduled Calibration  |
|----------------------------|------------------|-----------------------------------|------------------------|
| Power meter NRP            | SN: 104778       | 04-Apr-18 (No. 217-02672/02673)   | Apr-19                 |
| Power sensor NRP-Z91       | SN: 103244       | 04-Apr-18 (No. 217-02672)         | Apr-19                 |
| Power sensor NRP-Z91       | SN: 103245       | 04-Apr-18 (No. 217-02673)         | Apr-19                 |
| Reference 20 dB Attenuator | SN: S5277 (20x)  | 04-Apr-18 (No. 217-02682)         | Apr-19                 |
| Reference Probe ES3DV2     | SN: 3013         | 30-Dec-17 (No. ES3-3013_Dec17)    | Dec-18                 |
| DAE4                       | SN: 660          | 21-Dec-17 (No. DAE4-660_Dec17)    | Dec-18                 |
| Secondary Standards        | ID               | Check Date (in house)             | Scheduled Check        |
| Power meter E4419B         | SN: GB41293874   | 06-Apr-16 (in house check Jun-16) | In house check: Jun-18 |
| Power sensor E4412A        | SN: MY41498087   | 06-Apr-16 (in house check Jun-16) | In house check: Jun-18 |
| Power sensor E4412A        | SN: 000110210    | 06-Apr-16 (in house check Jun-16) | In house check: Jun-18 |
| RF generator HP 8648C      | SN: US3642U01700 | 04-Aug-99 (in house check Jun-16) | In house check: Jun-18 |
| Network Analyzer HP 8753E  | SN: US37390585   | 18-Oct-01 (in house check Oct-17) | In house check: Oct-18 |

|                                                                                                                 |                |                       |                        |
|-----------------------------------------------------------------------------------------------------------------|----------------|-----------------------|------------------------|
| Calibrated by:                                                                                                  | Name           | Function              | Signature              |
|                                                                                                                 | Jeton Kastrati | Laboratory Technician |                        |
| Approved by:                                                                                                    | Katja Pokovic  | Technical Manager     |                        |
|                                                                                                                 |                |                       | Issued: April 28, 2018 |
| This calibration certificate shall not be reproduced except in full without written approval of the laboratory. |                |                       |                        |