## DASY/EASY - Parameters of Probe: EX3DV4 - SN:7464

## Sensor Model Parameters

|  | $\mathbf{C 1}$ <br> $\mathbf{f F}$ | $\mathbf{C 2}$ <br> $\mathbf{f F}$ | $\boldsymbol{\alpha}$ <br> $\mathbf{V}^{\mathbf{- 1}}$ | $\mathbf{T 1}$ <br> $\mathbf{m s} . \mathbf{V}^{\mathbf{- 2}}$ | $\mathbf{T 2}$ <br> $\mathbf{m s .} \mathbf{V}^{\mathbf{- 1}}$ | $\mathbf{T 3}$ <br> $\mathbf{m s}$ | $\mathbf{T 4}$ <br> $\mathbf{V}^{-\mathbf{2}}$ | $\mathbf{T 5}$ <br> $\mathbf{V}^{\mathbf{- 1}}$ | $\mathbf{T 6}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{X}$ | 61.5 | 458.49 | 35.65 | 15.95 | 0.16 | 5.10 | 0.72 | 0.47 | 1.01 |
| Y | 63.7 | 481.59 | 36.30 | 14.98 | 0.81 | 5.06 | 0.73 | 0.58 | 1.01 |
| Z | 68.2 | 509.89 | 35.77 | 20.70 | 0.43 | 5.10 | 0.63 | 0.55 | 1.01 |

Other Probe Parameters

| Sensor Arrangement | Triangular |
| :--- | ---: |
| Connector Angle ( ${ }^{\circ}$ ) | -150.6 |
| 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 |

Note: Measurement distance from surface can be increased to $3-4 \mathrm{~mm}$ for an Area Scan job.

No.I22Z60885-SEM13

## DASY/EASY - Parameters of Probe: EX3DV4 - SN:7464

Calibration Parameter Determined in Head Tissue Simulating Media

| $f(\mathrm{MHz})^{\text {c }}$ | Relative Permittivity ${ }^{F}$ | $\begin{aligned} & \text { Conductivity } \\ & (\mathrm{S} / \mathrm{m})^{\mathrm{F}} \end{aligned}$ | ConvF X | ConvF Y | ConvF Z | Alpha ${ }^{\text {a }}$ | Depth ${ }^{\text {G }}$ (mm) | $\begin{gathered} \text { Unc } \\ (\mathbf{k}=2) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 64 | 54.2 | 0.75 | 13.80 | 13.80 | 13.80 | 0.00 | 1.00 | $\pm 13.3$ \% |
| 150 | 52.3 | 0.76 | 11.94 | 11.94 | 11.94 | 0.00 | 1.00 | $\pm 13.3$ \% |
| 300 | 45.3 | 0.87 | 11.78 | 11.78 | 11.78 | 0.09 | 1.00 | $\pm 13.3 \%$ |
| 450 | 43.5 | 0.87 | 11.02 | 11.02 | 11.02 | 0.16 | 1.30 | $\pm 13.3 \%$ |
| 750 | 41.9 | 0.89 | 10.26 | 10.26 | 10.26 | 0.56 | 0.81 | $\pm 12.0 \%$ |
| 835 | 41.5 | 0.90 | 9.96 | 9.96 | 9.96 | 0.41 | 0.91 | $\pm 12.0 \%$ |
| 900 | 41.5 | 0.97 | 9.72 | 9.72 | 9.72 | 0.52 | 0.80 | $\pm 12.0 \%$ |
| 1450 | 40.5 | 1.20 | 8.86 | 8.86 | 8.86 | 0.43 | 0.80 | $\pm 12.0$ \% |
| 1640 | 40.2 | 1.31 | 8.64 | 8.64 | 8.64 | 0.33 | 0.86 | $\pm 12.0 \%$ |
| 1750 | 40.1 | 1.37 | 8.52 | 8.52 | 8.52 | 0.39 | 0.86 | $\pm 12.0 \%$ |
| 1810 | 40.0 | 1.40 | 8.20 | 8.20 | 8.20 | 0.37 | 0.86 | $\pm 12.0 \%$ |
| 1900 | 40.0 | 1.40 | 8.18 | 8.18 | 8.18 | 0.35 | 0.86 | $\pm 12.0 \%$ |
| 2000 | 40.0 | 1.40 | 8.20 | 8.20 | 8.20 | 0.34 | 0.86 | $\pm 12.0 \%$ |
| 2100 | 39.8 | 1.49 | 8.38 | 8.38 | 8.38 | 0.32 | 0.86 | $\pm 12.0$ \% |
| 2300 | 39.5 | 1.67 | 8.36 | 8.36 | 8.36 | 0.32 | 0.90 | $\pm 12.0$ \% |
| 2450 | 39.2 | 1.80 | 7.77 | 7.77 | 7.77 | 0.36 | 0.90 | $\pm 12.0$ \% |
| 2600 | 39.0 | 1.96 | 7.64 | 7.64 | 7.64 | 0.40 | 0.90 | $\pm 12.0$ \% |
| 3300 | 38.2 | 2.71 | 7.27 | 7.27 | 7.27 | 0.30 | 1.35 | $\pm 13.1$ \% |
| 3500 | 37.9 | 2.91 | 7.20 | 7.20 | 7.20 | 0.30 | 1.35 | $\pm 13.1$ \% |
| 3700 | 37.7 | 3.12 | 6.78 | 6.78 | 6.78 | 0.30 | 1.35 | $\pm 13.1$ \% |
| 3900 | 37.5 | 3.32 | 6.76 | 6.76 | 6.76 | 0.40 | 1.60 | $\pm 13.1$ \% |
| 4100 | 37.2 | 3.53 | 6.71 | 6.71 | 6.71 | 0.40 | 1.60 | $\pm 13.1$ \% |
| 4200 | 37.1 | 3.63 | 6.60 | 6.60 | 6.60 | 0.40 | 1.70 | $\pm 13.1$ \% |
| 4400 | 36.9 | 3.84 | 6.53 | 6.53 | 6.53 | 0.40 | 1.70 | $\pm 13.1$ \% |
| 4600 | 36.7 | 4.04 | 6.40 | 6.40 | 6.40 | 0.40 | 1.70 | $\pm 13.1$ \% |
| 4800 | 36.4 | 4.25 | 6.35 | 6.35 | 6.35 | 0.40 | 1.80 | $\pm 13.1$ \% |
| 4950 | 36.3 | 4.40 | 6.00 | 6.00 | 6.00 | 0.40 | 1.80 | $\pm 13.1$ \% |
| 5200 | 36.0 | 4.66 | 5.60 | 5.60 | 5.60 | 0.40 | 1.80 | $\pm 13.1$ \% |
| 5250 | 35.9 | 4.71 | 5.43 | 5.43 | 5.43 | 0.40 | 1.80 | $\pm 13.1$ \% |
| 5300 | 35.9 | 4.76 | 5.32 | 5.32 | 5.32 | 0.40 | 1.80 | $\pm 13.1$ \% |
| 5500 | 35.6 | 4.96 | 5.11 | 5.11 | 5.11 | 0.40 | 1.80 | $\pm 13.1$ \% |
| 5600 | 35.5 | 5.07 | 4.91 | 4.91 | 4.91 | 0.40 | 1.80 | $\pm 13.1$ \% |
| 5750 | 35.4 | 5.22 | 4.85 | 4.85 | 4.85 | 0.40 | 1.80 | $\pm 13.1$ \% |
| 5800 | 35.3 | 5.27 | 5.00 | 5.00 | 5.00 | 0.40 | 1.80 | $\pm 13.1$ \% |

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## DASY/EASY - Parameters of Probe: EX3DV4 - SN:7464

## Calibration Parameter Determined in Head Tissue Simulating Media

| ${\mathbf{f ( M H z})^{\mathbf{C}}}^{\mathbf{C}}$ | Relative <br> Permittivity $^{\mathbf{F}}$ | Conductivity <br> $(\mathbf{S} / \mathbf{m})^{\mathbf{F}}$ | ConvF X $^{\text {( }}$ | ConvF Y | ConvF Z | Alpha $^{\mathbf{G}}$ | Depth $^{\mathbf{G}}$ <br> $(\mathbf{m m})$ | Unc <br> $(\mathbf{k}=\mathbf{2})$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6500 | 34.5 | 6.07 | 5.45 | 5.45 | 5.45 | 0.20 | 2.50 | $\pm 18.6 \%$ |
| 7000 | 33.9 | 6.65 | 5.75 | 5.75 | 5.75 | 0.20 | 2.00 | $\pm 18.6 \%$ |

${ }^{c}$ Frequency validity above 6 GHz is $\pm 700 \mathrm{MHz}$. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.
${ }^{F}$ At frequencies $6-10 \mathrm{GHz}$, the validity of tissue parameters ( $\varepsilon$ and $\sigma$ ) can be relaxed to $\pm 10 \%$ if liquid compensation formula is applied to measured
SAR values. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.
Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than $\pm 1 \%$ for frequencies below 3 GHz ; below $\pm 2 \%$ for frequencies between $3-6 \mathrm{GHz}$; and below $\pm 4 \%$ for frequencies between $6-10$ 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: $\pm 6.3 \%(k=2)$


## Dynamic Range $f\left(S^{\prime} R_{\text {head }}\right)$

(TEM cell , feval= $\mathbf{1 9 0 0} \mathbf{~ M H z}$ )



Uncertainty of Linearity Assessment: $\pm \mathbf{0 . 6 \%}$ (k=2)

## Conversion Factor Assessment



Deviation from Isotropy in Liquid
Error ( $\phi, \vartheta$ ), $\mathrm{f}=900 \mathrm{MHz}$



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Appendix: Modulation Calibration Parameters

| UID | Rev | Communication System |
| :--- | :--- | :--- |


| UID | Rev | Communication System Name | Group | $\begin{aligned} & \hline \text { PAR } \\ & \text { (dB) } \end{aligned}$ | $\begin{aligned} & U_{n c}^{E} \\ & (\mathbf{k}=2) \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 0 | - | CW | CW | 0.00 | $\pm 4.7$ \% |
| 10010 | CAA | SAR Validation (Square, $100 \mathrm{~ms}, 10 \mathrm{~ms}$ ) | Test | 10.00 | $\pm 9.6$ \% |
| 10011 | CAB | UMTS-FDD (WCDMA) | WCDMA | 2.91 | $\pm 9.6$ \% |
| 10012 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps) | WLAN | 1.87 | $\pm 9.6$ \% |
| 10013 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps ) | WLAN | 9.46 | $\pm 9.6$ \% |
| 10021 | DAC | GSM-FDD (TDMA, GMSK) | GSM | 9.39 | $\pm 9.6$ \% |
| 10023 | DAC | GPRS-FDD (TDMA, GMSK, TN 0) | GSM | 9.57 | $\pm 9.6$ \% |
| 10024 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1) | GSM | 6.56 | $\pm 9.6$ \% |
| 10025 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0) | GSM | 12.62 | $\pm 9.6$ \% |
| 10026 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1) | GSM | 9.55 | $\pm 9.6 \%$ |
| 10027 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2) | GSM | 4.80 | $\pm 9.6$ \% |
| 10028 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) | GSM | 3.55 | $\pm 9.6$ \% |
| 10029 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2) | GSM | 7.78 | $\pm 9.6$ \% |
| 10030 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1) | Bluetooth | 5.30 | $\pm 9.6$ \% |
| 10031 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3) | Bluetooth | 1.87 | $\pm 9.6 \%$ |
| 10032 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH5) | Bluetooth | 1.16 | $\pm 9.6 \%$ |
| 10033 | CAA | IEEE 802.15.1 Bluetooth (Pl/4-DQPSK, DH1) | Bluetooth | 7.74 | $\pm 9.6$ \% |
| 10034 | CAA | IEEE 802.15.1 Bluetooth (Pl/4-DQPSK, DH3) | Bluetooth | 4.53 | $\pm 9.6 \%$ |
| 10035 | CAA | IEEE 802.15.1 Bluetooth (Pl/4-DQPSK, DH5) | Bluetooth | 3.83 | $\pm 9.6 \%$ |
| 10036 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH1) | Bluetooth | 8.01 | $\pm 9.6$ \% |
| 10037 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH3) | Bluetooth | 4.77 | $\pm 9.6$ \% |
| 10038 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH5) | Bluetooth | 4.10 | $\pm 9.6$ \% |
| 10039 | CAB | CDMA2000 (1xRTT, RC1) | CDMA2000 | 4.57 | $\pm 9.6$ \% |
| 10042 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, P//4-DQPSK, Halfrate) | AMPS | 7.78 | $\pm 9.6$ \% |
| 10044 | CAA | IS-91/EIANTIA-553 FDD (FDMA, FM) | AMPS | 0.00 | $\pm 9.6$ \% |
| 10048 | CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) | DECT | 13.80 | $\pm 9.6 \%$ |
| 10049 | CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) | DECT | 10.79 | $\pm 9.6$ \% |
| 10056 | CAA | UMTS-TDD (TD-SCDMA, 1.28 Mcps ) | TD-SCDMA | 11.01 | $\pm 9.6$ \% |
| 10058 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) | GSM | 6.52 | $\pm 9.6$ \% |
| 10059 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps ) | WLAN | 2.12 | $\pm 9.6$ \% |
| 10060 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps ) | WLAN | 2.83 | $\pm 9.6$ \% |
| 10061 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps ) | WLAN | 3.60 | $\pm 9.6$ \% |
| 10062 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps ) | WLAN | 8.68 | $\pm 9.6$ \% |
| 10063 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps ) | WLAN | 8.63 | $\pm 9.6$ \% |
| 10064 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps ) | WLAN | 9.09 | $\pm 9.6$ \% |
| 10065 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps ) | WLAN | 9.00 | $\pm 9.6$ \% |
| 10066 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps ) | WLAN | 9.38 | $\pm 9.6$ \% |
| 10067 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps ) | WLAN | 10.12 | $\pm 9.6$ \% |
| 10068 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps ) | WLAN | 10.24 | $\pm 9.6$ \% |
| 10069 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps ) | WLAN | 10.56 | $\pm 9.6$ \% |
| 10071 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps ) | WLAN | 9.83 | $\pm 9.6$ \% |
| 10072 | CAB | IEEE 802.11 g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps ) | WLAN | 9.62 | $\pm 9.6 \%$ |
| 10073 | CAB | IEEE 802.11 g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps ) | WLAN | 9.94 | $\pm 9.6 \%$ |
| 10074 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps ) | WLAN | 10.30 | $\pm 9.6$ \% |
| 10075 | CAB | IEEE 802.11 g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps ) | WLAN | 10.77 | $\pm 9.6$ \% |
| 10076 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps ) | WLAN | 10.94 | $\pm 9.6$ \% |
| 10077 | CAB | IEEE 802.11 g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps ) | WLAN | 11.00 | $\pm 9.6$ \% |
| 10081 | CAB | CDMA2000 (1xRTT, RC3) | CDMA2000 | 3.97 | $\pm 9.6 \%$ |
| 10082 | CAB | IS-54 / IS-136 FDD (TDMAFDM, Pl/4-DQPSK, Fullrate) | AMPS | 4.77 | $\pm 9.6$ \% |
| 10090 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-4) | GSM | 6.56 | $\pm 9.6$ \% |
| 10097 | CAB | UMTS-FDD (HSDPA) | WCDMA | 3.98 | $\pm 9.6 \%$ |
| 10098 | CAB | UMTS-FDD (HSUPA, Subtest 2) | WCDMA | 3.98 | $\pm 9.6$ \% |
| 10099 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-4) | GSM | 9.55 | $\pm 9.6 \%$ |


| 10100 | CAE | LTE-FDD (SC-FDMA, 100\% RB, 20 MHz, QPSK) | LTE-FDD | 5.67 | $\pm 9.6$ \% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 10101 | CAE | LTE-FDD (SC-FDMA, 100\% RB, $20 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-FDD | 6.42 | $\pm 9.6$ \% |
| 10102 | CAE | LTE-FDD (SC-FDMA, 100\% RB, $20 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-FDD | 6.60 | $\pm 9.6 \%$ |
| 10103 | CAG | LTE-TDD (SC-FDMA, $100 \%$ RB, 20 MHz, QPSK) | LTE-TDD | 9.29 | $\pm 9.6 \%$ |
| 10104 | CAG | LTE-TDD (SC-FDMA, $100 \% \mathrm{RB}, 20 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-TDD | 9.97 | $\pm 9.6$ \% |
| 10105 | CAG | LTE-TDD (SC-FDMA, 100\% RB, $20 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-TDD | 10.01 | $\pm 9.6 \%$ |
| 10108 | CAG | LTE-FDD (SC-FDMA, $100 \% \mathrm{RB}, 10 \mathrm{MHz}$, QPSK) | LTE-FDD | 5.80 | $\pm 9.6 \%$ |
| 10109 | CAG | LTE-FDD (SC-FDMA, $100 \%$ RB, $10 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-FDD | 6.43 | $\pm 9.6 \%$ |
| 10110 | CAG | LTE-FDD (SC-FDMA, $100 \%$ RB, $5 \mathrm{MHz}, \mathrm{QPSK}$ ) | LTE-FDD | 5.75 | $\pm 9.6$ \% |
| 10111 | CAG | LTE-FDD (SC-FDMA, 100\% RB, $5 \mathrm{MHz}, 16$-QAM) | LTE-FDD | 6.44 | $\pm 9.6 \%$ |
| 10112 | CAG | LTE-FDD (SC-FDMA, $100 \% \mathrm{RB}, 10 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-FDD | 6.59 | $\pm 9.6$ \% |
| 10113 | CAG | LTE-FDD (SC-FDMA, 100\% RB, $5 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-FDD | 6.62 | $\pm 9.6 \%$ |
| 10114 | CAD | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK) | WLAN | 8.10 | $\pm 9.6$ \% |
| 10115 | CAD | IEEE 802.11n (HT Greenfield, 81 Mbps , 16-QAM) | WLAN | 8.46 | $\pm 9.6$ \% |
| 10116 | CAD | IEEE 802.11n (HT Greenfield, $135 \mathrm{Mbps}, 64-\mathrm{QAM}$ ) | WLAN | 8.15 | $\pm 9.6$ \% |
| 10117 | CAD | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK) | WLAN | 8.07 | $\pm 9.6$ \% |
| 10118 | CAD | IEEE 802.11n (HT Mixed, 81 Mbps , 16-QAM) | WLAN | 8.59 | $\pm 9.6$ \% |
| 10119 | CAD | IEEE 802.11n (HT Mixed, 135 Mbps , 64-QAM) | WLAN | 8.13 | $\pm 9.6$ \% |
| 10140 | CAE | LTE-FDD (SC-FDMA, $100 \%$ RB, $15 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-FDD | 6.49 | $\pm 9.6 \%$ |
| 10141 | CAE | LTE-FDD (SC-FDMA, $100 \%$ RB, $15 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-FDD | 6.53 | $\pm 9.6 \%$ |
| 10142 | CAE | LTE-FDD (SC-FDMA, $100 \%$ RB, 3 MHz, QPSK) | LTE-FDD | 5.73 | $\pm 9.6 \%$ |
| 10143 | CAE | LTE-FDD (SC-FDMA, 100\% RB, $3 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-FDD | 6.35 | $\pm 9.6 \%$ |
| 10144 | CAE | LTE-FDD (SC-FDMA, 100\% RB, $3 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-FDD | 6.65 | $\pm 9.6 \%$ |
| 10145 | CAF | LTE-FDD (SC-FDMA, 100\% RB, 1.4 MHz , QPSK) | LTE-FDD | 5.76 | $\pm 9.6 \%$ |
| 10146 | CAF | LTE-FDD (SC-FDMA, 100\% RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.41 | $\pm 9.6$ \% |
| 10147 | CAF | LTE-FDD (SC-FDMA, 100\% RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.72 | $\pm 9.6$ \% |
| 10149 | CAE | LTE-FDD (SC-FDMA, $50 \% \mathrm{RB}, 20 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-FDD | 6.42 | $\pm 9.6 \%$ |
| 10150 | CAE | LTE-FDD (SC-FDMA, $50 \% \mathrm{RB}, 20 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-FDD | 6.60 | $\pm 9.6$ \% |
| 10151 | CAG | LTE-TDD (SC-FDMA, 50\% RB, 20 MHz , QPSK) | LTE-TDD | 9.28 | $\pm 9.6 \%$ |
| 10152 | CAG | LTE-TDD (SC-FDMA, $50 \% \mathrm{RB}, 20 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-TDD | 9.92 | $\pm 9.6$ \% |
| 10153 | CAG | LTE-TDD (SC-FDMA, $50 \% \mathrm{RB}, 20 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-TDD | 10.05 | $\pm 9.6$ \% |
| 10154 | CAG | LTE-FDD (SC-FDMA, $50 \% \mathrm{RB}, 10 \mathrm{MHz}, \mathrm{QPSK}$ ) | LTE-FDD | 5.75 | $\pm 9.6$ \% |
| 10155 | CAG | LTE-FDD (SC-FDMA, $50 \% \mathrm{RB}, 10 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-FDD | 6.43 | $\pm 9.6 \%$ |
| 10156 | CAG | LTE-FDD (SC-FDMA, $50 \%$ RB, $5 \mathrm{MHz}, \mathrm{QPSK}$ ) | LTE-FDD | 5.79 | $\pm 9.6$ \% |
| 10157 | CAG | LTE-FDD (SC-FDMA, $50 \% \mathrm{RB}, 5 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-FDD | 6.49 | $\pm 9.6 \%$ |
| 10158 | CAG | LTE-FDD (SC-FDMA, $50 \% \mathrm{RB}, 10 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-FDD | 6.62 | $\pm 9.6 \%$ |
| 10159 | CAG | LTE-FDD (SC-FDMA, $50 \% \mathrm{RB}, 5 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-FDD | 6.56 | $\pm 9.6 \%$ |
| 10160 | CAE | LTE-FDD (SC-FDMA, $50 \%$ RB, 15 MHz, QPSK) | LTE-FDD | 5.82 | $\pm 9.6$ \% |
| 10161 | CAE | LTE-FDD (SC-FDMA, 50\% RB, $15 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-FDD | 6.43 | $\pm 9.6$ \% |
| 10162 | CAE | LTE-FDD (SC-FDMA, $50 \% \mathrm{RB}, 15 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-FDD | 6.58 | $\pm 9.6$ \% |
| 10166 | CAF | LTE-FDD (SC-FDMA, $50 \% \mathrm{RB}, 1.4 \mathrm{MHz}$, QPSK) | LTE-FDD | 5.46 | $\pm 9.6 \%$ |
| 10167 | CAF | LTE-FDD (SC-FDMA, $50 \% \mathrm{RB}, 1.4 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-FDD | 6.21 | $\pm 9.6$ \% |
| 10168 | CAF | LTE-FDD (SC-FDMA, $50 \% \mathrm{RB}, 1.4 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-FDD | 6.79 | $\pm 9.6 \%$ |
| 10169 | CAE | LTE-FDD (SC-FDMA, 1 RB, $20 \mathrm{MHz}, \mathrm{QPSK}$ ) | LTE-FDD | 5.73 | $\pm 9.6$ \% |
| 10170 | CAE | LTE-FDD (SC-FDMA, 1 RB, $20 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-FDD | 6.52 | $\pm 9.6$ \% |
| 10171 | AAE | LTE-FDD (SC-FDMA, 1 RB, $20 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-FDD | 6.49 | $\pm 9.6$ \% |
| 10172 | CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | LTE-TDD | 9.21 | $\pm 9.6 \%$ |
| 10173 | CAG | LTE-TDD (SC-FDMA, 1 RB, $20 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-TDD | 9.48 | $\pm 9.6$ \% |
| 10174 | CAG | LTE-TDD (SC-FDMA, 1 RB, $20 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-TDD | 10.25 | $\pm 9.6$ \% |
| 10175 | CAG | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | LTE-FDD | 5.72 | $\pm 9.6$ \% |
| 10176 | CAG | LTE-FDD (SC-FDMA, $1 \mathrm{RB}, 10 \mathrm{MHz}, 16-\mathrm{QAM})$ | LTE-FDD | 6.52 | $\pm 9.6$ \% |
| 10177 | CAI | LTE-FDD (SC-FDMA, $1 \mathrm{RB}, 5 \mathrm{MHz}$, QPSK) | LTE-FDD | 5.73 | $\pm 9.6 \%$ |
| 10178 | CAG | LTE-FDD (SC-FDMA, 1 RB, $5 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-FDD | 6.52 | $\pm 9.6 \%$ |
| 10179 | CAG | LTE-FDD (SC-FDMA, $1 \mathrm{RB}, 10 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-FDD | 6.50 | $\pm 9.6 \%$ |
| 10180 | CAG | LTE-FDD (SC-FDMA, 1 RB, $5 \mathrm{MHz}, 64$-QAM) | LTE-FDD | 6.50 | $\pm 9.6 \%$ |
| 10181 | CAE | LTE-FDD (SC-FDMA, 1 RB, $15 \mathrm{MHz}, \mathrm{QPSK}$ ) | LTE-FDD | 5.73 | $\pm 9.6$ \% |

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| 10182 | CAE | LTE-FDD (SC-FDMA, 1 RB, 15 MHz , 16-QAM) | LTE-FDD | 6.52 | $\pm 9.6$ \% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 10183 | AAD | LTE-FDD (SC-FDMA, 1 RB, $15 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-FDD | 6.50 | $\pm 9.6$ \% |
| 10184 | CAE | LTE-FDD (SC-FDMA, 1 RB, 3 MHz , QPSK) | LTE-FDD | 5.73 | $\pm 9.6$ \% |
| 10185 | CAE | LTE-FDD (SC-FDMA, 1 RB, $3 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-FDD | 6.51 | $\pm 9.6$ \% |
| 10186 | AAE | LTE-FDD (SC-FDMA, 1 RB, $3 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-FDD | 6.50 | $\pm 9.6$ \% |
| 10187 | CAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-FDD | 5.73 | $\pm 9.6$ \% |
| 10188 | CAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.52 | $\pm 9.6$ \% |
| 10189 | AAF | LTE-FDD (SC-FDMA, 1 RB, $1.4 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-FDD | 6.50 | $\pm 9.6$ \% |
| 10193 | CAD | IEEE 802.11n (HT Greenfield, $6.5 \mathrm{Mbps}, \mathrm{BPSK}$ ) | WLAN | 8.09 | $\pm 9.6$ \% |
| 10194 | CAD | IEEE 802.11 n (HT Greenfield, 39 Mbps , 16-QAM) | WLAN | 8.12 | $\pm 9.6$ \% |
| 10195 | CAD | IEEE 802.11n (HT Greenfield, 65 Mbps , 64-QAM) | WLAN | 8.21 | $\pm 9.6$ \% |
| 10196 | CAD | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) | WLAN | 8.10 | $\pm 9.6$ \% |
| 10197 | CAD | IEEE 802.11n (HT Mixed, 39 Mbps , 16-QAM) | WLAN | 8.13 | $\pm 9.6$ \% |
| 10198 | CAD | IEEE 802.11n (HT Mixed, 65 Mbps , 64-QAM) | WLAN | 8.27 | $\pm 9.6$ \% |
| 10219 | CAD | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) | WLAN | 8.03 | $\pm 9.6$ \% |
| 10220 | CAD | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) | WLAN | 8.13 | $\pm 9.6$ \% |
| 10221 | CAD | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) | WLAN | 8.27 | $\pm 9.6$ \% |
| 10222 | CAD | IEEE 802.11n (HT Mixed, 15 Mbps , BPSK) | WLAN | 8.06 | $\pm 9.6$ \% |
| 10223 | CAD | IEEE 802.11n (HT Mixed, 90 Mbps , 16-QAM) | WLAN | 8.48 | $\pm 9.6$ \% |
| 10224 | CAD | IEEE 802.11n (HT Mixed, 150 Mbps , 64-QAM) | WLAN | 8.08 | $\pm 9.6$ \% |
| 10225 | CAB | UMTS-FDD (HSPA+) | WCDMA | 5.97 | $\pm 9.6$ \% |
| 10226 | CAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.49 | $\pm 9.6$ \% |
| 10227 | CAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | LTE-TDD | 10.26 | $\pm 9.6$ \% |
| 10228 | CAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-TDD | 9.22 | $\pm 9.6$ \% |
| 10229 | CAD | LTE-TDD (SC-FDMA, 1 RB, $3 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-TDD | 9.48 | $\pm 9.6$ \% |
| 10230 | CAD | LTE-TDD (SC-FDMA, 1 RB, $3 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-TDD | 10.25 | $\pm 9.6$ \% |
| 10231 | CAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz , QPSK) | LTE-TDD | 9.19 | $\pm 9.6$ \% |
| 10232 | CAG | LTE-TDD (SC-FDMA, 1 RB, $5 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-TDD | 9.48 | $\pm 9.6$ \% |
| 10233 | CAG | LTE-TDD (SC-FDMA, 1 RB, $5 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-TDD | 10.25 | $\pm 9.6$ \% |
| 10234 | CAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz , QPSK) | LTE-TDD | 9.21 | $\pm 9.6$ \% |
| 10235 | CAG | LTE-TDD (SC-FDMA, 1 RB, $10 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-TDD | 9.48 | $\pm 9.6$ \% |
| 10236 | CAG | LTE-TDD (SC-FDMA, 1 RB, $10 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-TDD | 10.25 | $\pm 9.6$ \% |
| 10237 | CAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz , QPSK) | LTE-TDD | 9.21 | $\pm 9.6$ \% |
| 10238 | CAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz , 16-QAM) | LTE-TDD | 9.48 | $\pm 9.6$ \% |
| 10239 | CAF | LTE-TDD (SC-FDMA, 1 RB, $15 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-TDD | 10.25 | $\pm 9.6$ \% |
| 10240 | CAF | LTE-TDD (SC-FDMA, 1 RB, $15 \mathrm{MHz}, \mathrm{QPSK}$ ) | LTE-TDD | 9.21 | $\pm 9.6$ \% |
| 10241 | CAB | LTE-TDD (SC-FDMA, $50 \%$ RB, 1.4 MHz , 16-QAM) | LTE-TDD | 9.82 | $\pm 9.6$ \% |
| 10242 | CAB | LTE-TDD (SC-FDMA, $50 \%$ RB, 1.4 MHz , 64-QAM) | LTE-TDD | 9.86 | $\pm 9.6$ \% |
| 10243 | CAB | LTE-TDD (SC-FDMA, $50 \%$ RB, 1.4 MHz, QPSK) | LTE-TDD | 9.46 | $\pm 9.6$ \% |
| 10244 | CAD | LTE-TDD (SC-FDMA, $50 \% \mathrm{RB}, 3 \mathrm{MHz}, 16$-QAM) | LTE-TDD | 10.06 | $\pm 9.6$ \% |
| 10245 | CAD | LTE-TDD (SC-FDMA, $50 \% \mathrm{RB}, 3 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-TDD | 10.06 | $\pm 9.6$ \% |
| 10246 | CAD | LTE-TDD (SC-FDMA, $50 \%$ RB, 3 MHz , QPSK) | LTE-TDD | 9.30 | $\pm 9.6$ \% |
| 10247 | CAG | LTE-TDD (SC-FDMA, $50 \%$ RB, $5 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-TDD | 9.91 | $\pm 9.6$ \% |
| 10248 | CAG | LTE-TDD (SC-FDMA, $50 \%$ RB, $5 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-TDD | 10.09 | $\pm 9.6$ \% |
| 10249 | CAG | LTE-TDD (SC-FDMA, $50 \%$ RB, 5 MHz , QPSK) | LTE-TDD | 9.29 | $\pm 9.6$ \% |
| 10250 | CAG | LTE-TDD (SC-FDMA, $50 \%$ RB, 10 MHz , $16-\mathrm{QAM}$ ) | LTE-TDD | 9.81 | $\pm 9.6$ \% |
| 10251 | CAG | LTE-TDD (SC-FDMA, $50 \%$ RB, 10 MHz , $64-\mathrm{QAM}$ ) | LTE-TDD | 10.17 | $\pm 9.6 \%$ |
| 10252 | CAG | LTE-TDD (SC-FDMA, $50 \%$ RB, 10 MHz , QPSK) | LTE-TDD | 9.24 | $\pm 9.6$ \% |
| 10253 | CAF | LTE-TDD (SC-FDMA, $50 \%$ RB, $15 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-TDD | 9.90 | $\pm 9.6$ \% |
| 10254 | CAF | LTE-TDD (SC-FDMA, $50 \%$ RB, $15 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-TDD | 10.14 | $\pm 9.6$ \% |
| 10255 | CAF | LTE-TDD (SC-FDMA, $50 \%$ RB, 15 MHz , QPSK) | LTE-TDD | 9.20 | $\pm 9.6$ \% |
| 10256 | CAB | LTE-TDD (SC-FDMA, $100 \%$ RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.96 | $\pm 9.6$ \% |
| 10257 | CAB | LTE-TDD (SC-FDMA, $100 \%$ RB, $1.4 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-TDD | 10.08 | $\pm 9.6$ \% |
| 10258 | CAB | LTE-TDD (SC-FDMA, $100 \%$ RB, 1.4 MHz , QPSK) | LTE-TDD | 9.34 | $\pm 9.6$ \% |
| 10259 | CAD | LTE-TDD (SC-FDMA, $100 \%$ RB, 3 MHz, 16-QAM) | LTE-TDD | 9.98 | $\pm 9.6$ \% |
| 10260 | CAD | LTE-TDD (SC-FDMA, $100 \%$ RB, $3 \mathrm{MHz}, 64$-QAM) | LTE-TDD | 9.97 | $\pm 9.6 \%$ |


| 10261 | CAD | LTE-TDD (SC-FDMA, 100\% RB, 3 MHz , QPSK) | LTE-TDD | 9.24 | $\pm 9.6$ \% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 10262 | CAG | LTE-TDD (SC-FDMA, 100\% RB, $5 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-TDD | 9.83 | $\pm 9.6$ \% |
| 10263 | CAG | LTE-TDD (SC-FDMA, $100 \%$ RB, $5 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-TDD | 10.16 | $\pm 9.6$ \% |
| 10264 | CAG | LTE-TDD (SC-FDMA, $100 \%$ RB, 5 MHz , QPSK) | LTE-TDD | 9.23 | $\pm 9.6 \%$ |
| 10265 | CAG | LTE-TDD (SC-FDMA, $100 \%$ RB, $10 \mathrm{MHz}, 16$-QAM) | LTE-TDD | 9.92 | $\pm 9.6$ \% |
| 10266 | CAG | LTE-TDD (SC-FDMA, $100 \%$ RB, $10 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-TDD | 10.07 | $\pm 9.6$ \% |
| 10267 | CAG | LTE-TDD (SC-FDMA, $100 \%$ RB, 10 MHz , QPSK) | LTE-TDD | 9.30 | $\pm 9.6$ \% |
| 10268 | CAF | LTE-TDD (SC-FDMA, $100 \%$ RB, $15 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-TDD | 10.06 | $\pm 9.6 \%$ |
| 10269 | CAF | LTE-TDD (SC-FDMA, $100 \%$ RB, $15 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-TDD | 10.13 | $\pm 9.6$ \% |
| 10270 | CAF | LTE-TDD (SC-FDMA, $100 \%$ RB, 15 MHz , QPSK) | LTE-TDD | 9.58 | $\pm 9.6$ \% |
| 10274 | CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) | WCDMA | 4.87 | $\pm 9.6$ \% |
| 10275 | CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) | WCDMA | 3.96 | $\pm 9.6$ \% |
| 10277 | CAA | PHS (QPSK) | PHS | 11.81 | $\pm 9.6$ \% |
| 10278 | CAA | PHS (QPSK, BW 884MHz, Rolloff 0.5) | PHS | 11.81 | $\pm 9.6 \%$ |
| 10279 | CAA | PHS (QPSK, BW 884MHz, Rolloff 0.38) | PHS | 12.18 | $\pm 9.6 \%$ |
| 10290 | AAB | CDMA2000, RC1, SO55, Full Rate | CDMA2000 | 3.91 | $\pm 9.6$ \% |
| 10291 | AAB | CDMA2000, RC3, SO55, Full Rate | CDMA2000 | 3.46 | $\pm 9.6$ \% |
| 10292 | AAB | CDMA2000, RC3, SO32, Full Rate | CDMA2000 | 3.39 | $\pm 9.6$ \% |
| 10293 | AAB | CDMA2000, RC3, SO3, Full Rate | CDMA2000 | 3.50 | $\pm 9.6$ \% |
| 10295 | AAB | CDMA2000, RC1, SO3, 1/8th Rate 25 fr . | CDMA2000 | 12.49 | $\pm 9.6$ \% |
| 10297 | AAD | LTE-FDD (SC-FDMA, $50 \%$ RB, 20 MHz, QPSK) | LTE-FDD | 5.81 | $\pm 9.6$ \% |
| 10298 | AAD | LTE-FDD (SC-FDMA, $50 \%$ RB, 3 MHz , QPSK) | LTE-FDD | 5.72 | $\pm 9.6 \%$ |
| 10299 | AAD | LTE-FDD (SC-FDMA, $50 \%$ RB, $3 \mathrm{MHz}, 16-\mathrm{QAM}$ ) | LTE-FDD | 6.39 | $\pm 9.6$ \% |
| 10300 | AAD | LTE-FDD (SC-FDMA, $50 \%$ RB, $3 \mathrm{MHz}, 64-\mathrm{QAM}$ ) | LTE-FDD | 6.60 | $\pm 9.6 \%$ |
| 10301 | AAA | IEEE 802.16e WiMAX ( $29: 18,5 \mathrm{~ms}, 10 \mathrm{MHz}$, QPSK, PUSC) | Wimax | 12.03 | $\pm 9.6 \%$ |
| 10302 | AAA | IEEE 802.16e WIMAX ( $29: 18,5 \mathrm{~ms}, 10 \mathrm{MHz}$, QPSK, PUSC, 3CTRL) | Wimax | 12.57 | $\pm 9.6$ \% |
| 10303 | AAA | IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC) | Wimax | 12.52 | $\pm 9.6$ \% |
| 10304 | AAA | IEEE 802.16e WiMAX ( $29: 18,5 \mathrm{~ms}, 10 \mathrm{MHz}, 64 \mathrm{QAM}, \mathrm{PUSC}$ ) | WIMAX | 11.86 | $\pm 9.6$ \% |
| 10305 | AAA | IEEE 802.16e WiMAX ( $31: 15,10 \mathrm{~ms}, 10 \mathrm{MHz}, 64 \mathrm{QAM}, \mathrm{PUSC}$ ) | WIMAX | 15.24 | $\pm 9.6$ \% |
| 10306 | AAA | IEEE 802.16e WiMAX ( $29: 18,10 \mathrm{~ms}, 10 \mathrm{MHz}, 64 \mathrm{QAM}, \mathrm{PUSC}$ ) | Wimax | 14.67 | $\pm 9.6$ \% |
| 10307 | AAA | IEEE 802.16e WiMAX ( $29: 18,10 \mathrm{~ms}, 10 \mathrm{MHz}$, QPSK, PUSC) | WiMAX | 14.49 | $\pm 9.6$ \% |
| 10308 | AAA | IEEE 802.16e WIMAX ( $29: 18,10 \mathrm{~ms}, 10 \mathrm{MHz}, 16 \mathrm{QAM}, \mathrm{PUSC}$ ) | Wimax | 14.46 | $\pm 9.6$ \% |
| 10309 | AAA | IEEE 802.16e WIMAX ( $29: 18,10 \mathrm{~ms}, 10 \mathrm{MHz}$, 16QAM, AMC $2 \times 3$ ) | Wimax | 14.58 | $\pm 9.6 \%$ |
| 10310 | AAA | IEEE 802.16e WIMAX (29:18, 10 ms , 10MHz, QPSK, AMC $2 \times 3$ | Wimax | 14.57 | $\pm 9.6$ \% |
| 10311 | AAD | LTE-FDD (SC-FDMA, 100\% RB, 15 MHz , QPSK) | LTE-FDD | 6.06 | $\pm 9.6$ \% |
| 10313 | AAA | iDEN 1:3 | iDEN | 10.51 | $\pm 9.6$ \% |
| 10314 | AAA | IDEN 1:6 | iDEN | 13.48 | $\pm 9.6$ \% |
| 10315 | AAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps , 96pc dc) | WLAN | 1.71 | $\pm 9.6$ \% |
| 10316 | $A A B$ | IEEE 802.11 g WiFi 2.4 GHz (ERP-OFDM, $6 \mathrm{Mbps}, 96 \mathrm{pc} \mathrm{dc})$ | WLAN | 8.36 | $\pm 9.6$ \% |
| 10317 | AAD | IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps , 96pc dc) | WLAN | 8.36 | $\pm 9.6$ \% |
| 10352 | AAA | Pulse Waveform ( $200 \mathrm{~Hz}, 10 \%$ ) | Generic | 10.00 | $\pm 9.6$ \% |
| 10353 | AAA | Pulse Waveform ( $200 \mathrm{~Hz}, 20 \%$ ) | Generic | 6.99 | $\pm 9.6$ \% |
| 10354 | AAA | Pulse Waveform ( $200 \mathrm{~Hz}, 40 \%$ ) | Generic | 3.98 | $\pm 9.6$ \% |
| 10355 | AAA | Pulse Waveform ( $200 \mathrm{~Hz}, 60 \%$ ) | Generic | 2.22 | $\pm 9.6$ \% |
| 10356 | AAA | Pulse Waveform ( $200 \mathrm{~Hz}, 80 \%$ ) | Generic | 0.97 | $\pm 9.6$ \% |
| 10387 | AAA | QPSK Waveform, 1 MHz | Generic | 5.10 | $\pm 9.6$ \% |
| 10388 | AAA | QPSK Waveform, 10 MHz | Generic | 5.22 | $\pm 9.6$ \% |
| 10396 | AAA | 64-QAM Waveform, 100 kHz | Generic | 6.27 | $\pm 9.6 \%$ |
| 10399 | AAA | 64 -QAM Waveform, 40 MHz | Generic | 6.27 | $\pm 9.6$ \% |
| 10400 | AAE | IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc) | WLAN | 8.37 | $\pm 9.6$ \% |
| 10401 | AAE | IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc) | WLAN | 8.60 | $\pm 9.6$ \% |
| 10402 | AAE | IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc) | WLAN | 8.53 | $\pm 9.6$ \% |
| 10403 | AAB | CDMA2000 (1xEV-DO, Rev. 0) | CDMA2000 | 3.76 | $\pm 9.6 \%$ |
| 10404 | AAB | CDMA2000 (1xEV-DO, Rev. A) | CDMA2000 | 3.77 | $\pm 9.6 \%$ |
| 10406 | AAB | CDMA2000, RC3, SO32, SCH0, Full Rate | CDMA2000 | 5.22 | $\pm 9.6 \%$ |
| 10410 | AAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9) | LTE-TDD | 7.82 | $\pm 9.6$ \% |

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| 10414 | AAA | WLAN CCDF, 64-QAM, 40MHz | Generic | 8.54 | $\pm 9.6$ \% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 10415 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps , 99pc dc) | WLAN | 1.54 | $\pm 9.6$ \% |
| 10416 | AAA | IEEE 802.11 g WiFi 2.4 GHz (ERP-OFDM, $6 \mathrm{Mbps}, 99 \mathrm{pc} \mathrm{dc}$ ) | WLAN | 8.23 | $\pm 9.6$ \% |
| 10417 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps , 99pc dc) | WLAN | 8.23 | $\pm 9.6$ \% |
| 10418 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps , 99pc, Long) | WLAN | 8.14 | $\pm 9.6$ \% |
| 10419 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps , 99pc, Short) | WLAN | 8.19 | $\pm 9.6$ \% |
| 10422 | AAC | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) | WLAN | 8.32 | $\pm 9.6$ \% |
| 10423 | AAC | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) | WLAN | 8.47 | $\pm 9.6$ \% |
| 10424 | AAC | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) | WLAN | 8.40 | $\pm 9.6$ \% |
| 10425 | AAC | IEEE 802.11n (HT Greenfield, 15 Mbps , BPSK) | WLAN | 8.41 | $\pm 9.6$ \% |
| 10426 | AAC | IEEE 802.11n (HT Greenfield, 90 Mbps , 16-QAM) | WLAN | 8.45 | $\pm 9.6 \%$ |
| 10427 | AAC | IEEE 802.11n (HT Greenfield, 150 Mbps , 64-QAM) | WLAN | 8.41 | $\pm 9.6$ \% |
| 10430 | AAD | LTE-FDD (OFDMA, 5 MHz , E-TM 3.1) | LTE-FDD | 8.28 | $\pm 9.6$ \% |
| 10431 | AAD | LTE-FDD (OFDMA, $10 \mathrm{MHz}, \mathrm{E}$-TM 3.1) | LTE-FDD | 8.38 | $\pm 9.6$ \% |
| 10432 | AAC | LTE-FDD (OFDMA, $15 \mathrm{MHz}, \mathrm{E}$-TM 3.1) | LTE-FDD | 8.34 | $\pm 9.6$ \% |
| 10433 | AAC | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) | LTE-FDD | 8.34 | $\pm 9.6$ \% |
| 10434 | AAA | W-CDMA (BS Test Model 1, 64 DPCH) | WCDMA | 8.60 | $\pm 9.6$ \% |
| 10435 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz , QPSK, UL Sub) | LTE-TDD | 7.82 | $\pm 9.6 \%$ |
| 10447 | AAD | LTE-FDD (OFDMA, 5 MHz , E-TM 3.1, Clipping 44\%) | LTE-FDD | 7.56 | $\pm 9.6$ \% |
| 10448 | AAD | LTE-FDD (OFDMA, 10 MHz , E-TM 3.1, Clippin 44\%) | LTE-FDD | 7.53 | $\pm 9.6 \%$ |
| 10449 | AAC | LTE-FDD (OFDMA, 15 MHz , E-TM 3.1, Cliping 44\%) | LTE-FDD | 7.51 | $\pm 9.6 \%$ |
| 10450 | AAC | LTE-FDD (OFDMA, $20 \mathrm{MHz}, \mathrm{E}$-TM 3.1, Clipping 44\%) | LTE-FDD | 7.48 | $\pm 9.6$ \% |
| 10451 | AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44\%) | WCDMA | 7.59 | $\pm 9.6$ \% |
| 10453 | AAD | Validation (Square, $10 \mathrm{~ms}, 1 \mathrm{~ms}$ ) | Test | 10.00 | $\pm 9.6$ \% |
| 10456 | AAC | IEEE 802.11ac WiFi ( $160 \mathrm{MHz}, 64-\mathrm{QAM}, 99 \mathrm{pc} \mathrm{dc}$ ) | WLAN | 8.63 | $\pm 9.6$ \% |
| 10457 | AAA | UMTS-FDD (DC-HSDPA) | WCDMA | 6.62 | $\pm 9.6$ \% |
| 10458 | AAA | CDMA2000 (1xEV-DO, Rev. B, 2 carriers) | CDMA2000 | 6.55 | $\pm 9.6$ \% |
| 10459 | AAA | CDMA2000 (1xEV-DO, Rev. B, 3 carriers) | CDMA2000 | 8.25 | $\pm 9.6$ \% |
| 10460 | AAA | UMTS-FDD (WCDMA, AMR) | WCDMA | 2.39 | $\pm 9.6$ \% |
| 10461 | AAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | $\pm 9.6$ \% |
| 10462 | AAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.30 | $\pm 9.6$ \% |
| 10463 | AAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.56 | $\pm 9.6$ \% |
| 10464 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz , QPSK, UL Sub) | LTE-TDD | 7.82 | $\pm 9.6$ \% |
| 10465 | AAC | LTE-TDD (SC-FDMA, $1 \mathrm{RB}, 3 \mathrm{MHz}, 16-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.32 | $\pm 9.6$ \% |
| 10466 | AAC | LTE-TDD (SC-FDMA, 1 RB, $3 \mathrm{MHz}, 64-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.57 | $\pm 9.6$ \% |
| 10467 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz , QPSK, UL Sub) | LTE-TDD | 7.82 | $\pm 9.6$ \% |
| 10468 | AAF | LTE-TDD (SC-FDMA, 1 RB, $5 \mathrm{MHz}, 16-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.32 | $\pm 9.6$ \% |
| 10469 | AAF | LTE-TDD (SC-FDMA, 1 RB, $5 \mathrm{MHz}, 64-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.56 | $\pm 9.6$ \% |
| 10470 | AAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz , QPSK, UL Sub) | LTE-TDD | 7.82 | $\pm 9.6$ \% |
| 10471 | AAF | LTE-TDD (SC-FDMA, 1 RB, $10 \mathrm{MHz}, 16-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.32 | $\pm 9.6$ \% |
| 10472 | AAF | LTE-TDD (SC-FDMA, 1 RB, $10 \mathrm{MHz}, 64-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.57 | $\pm 9.6 \%$ |
| 10473 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | $\pm 9.6$ \% |
| 10474 | AAE | LTE-TDD (SC-FDMA, 1 RB, $15 \mathrm{MHz}, 16-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.32 | $\pm 9.6$ \% |
| 10475 | AAE | LTE-TDD (SC-FDMA, 1 RB, $15 \mathrm{MHz}, 64-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.57 | $\pm 9.6 \%$ |
| 10477 | AAF | LTE-TDD (SC-FDMA, 1 RB, $20 \mathrm{MHz}, 16-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.32 | $\pm 9.6$ \% |
| 10478 | AAF | LTE-TDD (SC-FDMA, 1 RB, $20 \mathrm{MHz}, 64-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.57 | $\pm 9.6 \%$ |
| 10479 | AAB | LTE-TDD (SC-FDMA, 50\% RB, 1.4 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | $\pm 9.6$ \% |
| 10480 | $A A B$ | LTE-TDD (SC-FDMA, 50\% RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.18 | $\pm 9.6 \%$ |
| 10481 | AAB | LTE-TDD (SC-FDMA, $50 \%$ RB, $1.4 \mathrm{MHz}, 64-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.45 | $\pm 9.6$ \% |
| 10482 | AAC | LTE-TDD (SC-FDMA, 50\% RB, 3 MHz, QPSK, UL Sub) | LTE-TDD | 7.71 | $\pm 9.6 \%$ |
| 10483 | AAC | LTE-TDD (SC-FDMA, $50 \%$ RB, $3 \mathrm{MHz}, 16-\mathrm{QAM}, \mathrm{Sub})$ | LTE-TDD | 8.39 | $\pm 9.6$ \% |
| 10484 | AAC | LTE-TDD (SC-FDMA, 50\% RB, $3 \mathrm{MHz}, 64-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.47 | $\pm 9.6$ \% |
| 10485 | AAF | LTE-TDD (SC-FDMA, 50\% RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.59 | $\pm 9.6$ \% |
| 10486 | AAF | LTE-TDD (SC-FDMA, 50\% RB, $5 \mathrm{MHz}, 16-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.38 | $\pm 9.6 \%$ |
| 10487 | AAF | LTE-TDD (SC-FDMA, 50\% RB, 5 MHz , 64-QAM, UL Sub) | LTE-TDD | 8.60 | $\pm 9.6$ \% |
| 10488 | AAF | LTE-TDD (SC-FDMA, 50\% RB, 10 MHz , QPSK, UL Sub) | LTE-TDD | 7.70 | $\pm 9.6$ \% |

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| 10489 | AAF | LTE-TDD (SC-FDMA, 50\% RB, $10 \mathrm{MHz}, 16-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.31 | $\pm 9.6$ \% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 10490 | AAF | LTE-TDD (SC-FDMA, $50 \%$ RB, $10 \mathrm{MHz}, 64-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.54 | $\pm 9.6 \%$ |
| 10491 | AAE | LTE-TDD (SC-FDMA, $50 \%$ RB, 15 MHz , QPSK, UL Sub) | LTE-TDD | 7.74 | $\pm 9.6 \%$ |
| 10492 | AAE | LTE-TDD (SC-FDMA, $50 \%$ RB, $15 \mathrm{MHz}, 16-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.41 | $\pm 9.6$ \% |
| 10493 | AAE | LTE-TDD (SC-FDMA, $50 \%$ RB, $15 \mathrm{MHz}, 64-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.55 | $\pm 9.6$ \% |
| 10494 | AAF | LTE-TDD (SC-FDMA, $50 \%$ RB, 20 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | $\pm 9.6$ \% |
| 10495 | AAF | LTE-TDD (SC-FDMA, $50 \%$ RB, $20 \mathrm{MHz}, 16-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.37 | $\pm 9.6$ \% |
| 10496 | AAF | LTE-TDD (SC-FDMA, $50 \%$ RB, $20 \mathrm{MHz}, 64-$ QAM, UL Sub) | LTE-TDD | 8.54 | $\pm 9.6 \%$ |
| 10497 | AAB | LTE-TDD (SC-FDMA, 100\% RB, 1.4 MHz, QPSK, UL Sub) | LTE-TDD | 7.67 | $\pm 9.6 \%$ |
| 10498 | AAB | LTE-TDD (SC-FDMA, $100 \%$ RB, $1.4 \mathrm{MHz}, 16-\mathrm{QAM}, \mathrm{UL} \mathrm{Sub)}$ | LTE-TDD | 8.40 | $\pm 9.6$ \% |
| 10499 | AAB | LTE-TDD (SC-FDMA, $100 \%$ RB, $1.4 \mathrm{MHz}, 64-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.68 | $\pm 9.6 \%$ |
| 10500 | AAC | LTE-TDD (SC-FDMA, 100\% RB, $3 \mathrm{MHz}, \mathrm{QPSK}, \mathrm{UL}$ Sub) | LTE-TDD | 7.67 | $\pm 9.6$ \% |
| 10501 | AAC | LTE-TDD (SC-FDMA, $100 \%$ RB, $3 \mathrm{MHz}, 16-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.44 | $\pm 9.6$ \% |
| 10502 | AAC | LTE-TDD (SC-FDMA, $100 \%$ RB, $3 \mathrm{MHz}, 64-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.52 | $\pm 9.6$ \% |
| 10503 | AAF | LTE-TDD (SC-FDMA, 100\% RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.72 | $\pm 9.6$ \% |
| 10504 | AAF | LTE-TDD (SC-FDMA, 100\% RB, $5 \mathrm{MHz}, 16-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.31 | $\pm 9.6$ \% |
| 10505 | AAF | LTE-TDD (SC-FDMA, $100 \%$ RB, $5 \mathrm{MHz}, 64-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.54 | $\pm 9.6$ \% |
| 10506 | AAF | LTE-TDD (SC-FDMA, $100 \%$ RB, 10 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | $\pm 9.6$ \% |
| 10507 | AAF | LTE-TDD (SC-FDMA, 100\% RB, $10 \mathrm{MHz}, 16-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.36 | $\pm 9.6 \%$ |
| 10508 | AAF | LTE-TDD (SC-FDMA, $100 \%$ RB, $10 \mathrm{MHz}, 64-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.55 | $\pm 9.6 \%$ |
| 10509 | AAE | LTE-TDD (SC-FDMA, $100 \%$ RB, 15 MHz , QPSK, UL Sub) | LTE-TDD | 7.99 | $\pm 9.6$ \% |
| 10510 | AAE | LTE-TDD (SC-FDMA, $100 \%$ RB, $15 \mathrm{MHz}, 16-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.49 | $\pm 9.6$ \% |
| 10511 | AAE | LTE-TDD (SC-FDMA, 100\% RB, $15 \mathrm{MHz}, 64-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.51 | $\pm 9.6 \%$ |
| 10512 | AAF | LTE-TDD (SC-FDMA, $100 \%$ RB, 20 MHz , QPSK, UL Sub) | LTE-TDD | 7.74 | $\pm 9.6$ \% |
| 10513 | AAF | LTE-TDD (SC-FDMA, 100\% RB, $20 \mathrm{MHz}, 16-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.42 | $\pm 9.6$ \% |
| 10514 | AAF | LTE-TDD (SC-FDMA, 100\% RB, $20 \mathrm{MHz}, 64-\mathrm{QAM}, \mathrm{UL}$ Sub) | LTE-TDD | 8.45 | $\pm 9.6$ \% |
| 10515 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps , 99pc dc) | WLAN | 1.58 | $\pm 9.6$ \% |
| 10516 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps , 99pc dc) | WLAN | 1.57 | $\pm 9.6$ \% |
| 10517 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps , 99pc dc) | WLAN | 1.58 | $\pm 9.6$ \% |
| 10518 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, $9 \mathrm{Mbps}, 99 \mathrm{pc} \mathrm{dc}$ ) | WLAN | 8.23 | $\pm 9.6$ \% |
| 10519 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps , 99pc dc) | WLAN | 8.39 | $\pm 9.6$ \% |
| 10520 | AAC | IEEE 802.11 $\mathrm{a} / \mathrm{h}$ WiFi 5 GHz (OFDM, 18 Mbps , 99pc dc) | WLAN | 8.12 | $\pm 9.6 \%$ |
| 10521 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps , 99pc dc) | WLAN | 7.97 | $\pm 9.6 \%$ |
| 10522 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps , 99pc dc) | WLAN | 8.45 | $\pm 9.6$ \% |
| 10523 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps , 99pc dc) | WLAN | 8.08 | $\pm 9.6$ \% |
| 10524 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps , 99pc dc) | WLAN | 8.27 | $\pm 9.6$ \% |
| 10525 | AAC | IEEE 802.11 ac WiFi (20MHz, MCS0, 99pc dc) | WLAN | 8.36 | $\pm 9.6 \%$ |
| 10526 | AAC | IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc) | WLAN | 8.42 | $\pm 9.6$ \% |
| 10527 | AAC | IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc) | WLAN | 8.21 | $\pm 9.6$ \% |
| 10528 | AAC | IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc) | WLAN | 8.36 | $\pm 9.6$ \% |
| 10529 | AAC | IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc) | WLAN | 8.36 | $\pm 9.6$ \% |
| 10531 | AAC | IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc) | WLAN | 8.43 | $\pm 9.6 \%$ |
| 10532 | AAC | IEEE 802.11 ac WiFi (20MHz, MCS7, 99pc dc) | WLAN | 8.29 | $\pm 9.6 \%$ |
| 10533 | AAC | IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc) | WLAN | 8.38 | $\pm 9.6 \%$ |
| 10534 | AAC | IEEE 802.11 ac WiFi (40MHz, MCS0, 99pc dc) | WLAN | 8.45 | $\pm 9.6 \%$ |
| 10535 | AAC | IEEE 802.11 ac WiFi (40MHz, MCS1, 99pc dc) | WLAN | 8.45 | $\pm 9.6 \%$ |
| 10536 | AAC | IEEE 802.11 ac WiFi (40MHz, MCS2, 99pc dc) | WLAN | 8.32 | $\pm 9.6 \%$ |
| 10537 | AAC | IEEE 802.11 ac WiFi (40MHz, MCS3, 99pc dc) | WLAN | 8.44 | $\pm 9.6 \%$ |
| 10538 | AAC | IEEE 802.11 ac WiFi (40MHz, MCS4, 99pc dc) | WLAN | 8.54 | $\pm 9.6 \%$ |
| 10540 | AAC | IEEE 802.11 ac WiFi (40MHz, MCS6, 99pc dc) | WLAN | 8.39 | $\pm 9.6 \%$ |
| 10541 | AAC | IEEE 802.11 ac WiFi (40MHz, MCS7, 99pc dc) | WLAN | 8.46 | $\pm 9.6 \%$ |
| 10542 | AAC | IEEE 802.11 ac WiFi (40MHz, MCS8, 99pc dc) | WLAN | 8.65 | $\pm 9.6 \%$ |
| 10543 | AAC | IEEE 802.11 ac WiFi (40MHz, MCS9, 99pc dc) | WLAN | 8.65 | $\pm 9.6 \%$ |
| 10544 | AAC | IEEE 802.11 ac WiFi (80MHz, MCSO, 99pc dc) | WLAN | 8.47 | $\pm 9.6$ \% |
| 10545 | AAC | IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc) | WLAN | 8.55 | $\pm 9.6 \%$ |
| 10546 | AAC | IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc) | WLAN | 8.35 | $\pm 9.6 \%$ |

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| 10547 | AAC | IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc) | WLAN | 8.49 | $\pm 9.6$ \% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 10548 | AAC | IEEE 802.11ac WiFi ( 80 MHz , MCS4, 99pc dc) | WLAN | 8.37 | $\pm 9.6$ \% |
| 10550 | AAC | IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc) | WLAN | 8.39 | $\pm 9.6$ \% |
| 10551 | AAC | IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc) | WLAN | 8.50 | $\pm 9.6$ \% |
| 10552 | AAC | IEEE 802.11ac WiFi ( 80 MHz , MCS8, 99pc dc) | WLAN | 8.42 | $\pm 9.6 \%$ |
| 10553 | AAC | IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc) | WLAN | 8.45 | $\pm 9.6$ \% |
| 10554 | AAD | IEEE 802.11ac WiFi ( 160 MHz , MCSO, 99pc dc) | WLAN | 8.48 | $\pm 9.6$ \% |
| 10555 | AAD | IEEE 802.11ac WiFi ( 160 MHz , MCS1, 99pc dc) | WLAN | 8.47 | $\pm 9.6$ \% |
| 10556 | AAD | IEEE 802.11ac WiFi ( 160 MHz , MCS2, 99pc dc) | WLAN | 8.50 | $\pm 9.6$ \% |
| 10557 | AAD | IEEE 802.11ac WiFi ( 160 MHz , MCS3, 99pc dc) | WLAN | 8.52 | $\pm 9.6$ \% |
| 10558 | AAD | IEEE 802.11ac WiFi ( 160 MHz , MCS4, 99pc dc) | WLAN | 8.61 | $\pm 9.6$ \% |
| 10560 | AAD | IEEE 802.11ac WiFi ( 160 MHz , MCS6, 99pc dc) | WLAN | 8.73 | $\pm 9.6$ \% |
| 10561 | AAD | IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc) | WLAN | 8.56 | $\pm 9.6$ \% |
| 10562 | AAD | IEEE 802.11ac WiFi ( 160 MHz , MCS8, 99pc dc) | WLAN | 8.69 | $\pm 9.6$ \% |
| 10563 | AAD | IEEE 802.11ac WiFi ( 160 MHz , MCS9, 99pc dc) | WLAN | 8.77 | $\pm 9.6$ \% |
| 10564 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps , 99pc dc) | WLAN | 8.25 | $\pm 9.6$ \% |
| 10565 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, $12 \mathrm{Mbps}, 99 \mathrm{pc}$ dc) | WLAN | 8.45 | $\pm 9.6 \%$ |
| 10566 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, $18 \mathrm{Mbps}, 99 \mathrm{pc}$ dc) | WLAN | 8.13 | $\pm 9.6$ \% |
| 10567 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps , 99pc dc) | WLAN | 8.00 | $\pm 9.6$ \% |
| 10568 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps , 99pc dc) | WLAN | 8.37 | $\pm 9.6$ \% |
| 10569 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps , 99pc dc) | WLAN | 8.10 | $\pm 9.6$ \% |
| 10570 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, $54 \mathrm{Mbps}, 99 \mathrm{pc}$ dc) | WLAN | 8.30 | $\pm 9.6$ \% |
| 10571 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc) | WLAN | 1.99 | $\pm 9.6$ \% |
| 10572 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, $2 \mathrm{Mbps}, 90 \mathrm{pc} \mathrm{dc}$ ) | WLAN | 1.99 | $\pm 9.6$ \% |
| 10573 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, $5.5 \mathrm{Mbps}, 90 \mathrm{pc} \mathrm{dc}$ ) | WLAN | 1.98 | $\pm 9.6$ \% |
| 10574 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps , 90pc dc) | WLAN | 1.98 | $\pm 9.6$ \% |
| 10575 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, $6 \mathrm{Mbps}, 90 \mathrm{pc} \mathrm{dc}$ ) | WLAN | 8.59 | $\pm 9.6$ \% |
| 10576 | AAA | IEEE 802.11 g WiFi 2.4 GHz (DSSS-OFDM, $9 \mathrm{Mbps}, 90 \mathrm{pc} \mathrm{dc}$ ) | WLAN | 8.60 | $\pm 9.6$ \% |
| 10577 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, $12 \mathrm{Mbps}, 90 \mathrm{pc} \mathrm{dc}$ ) | WLAN | 8.70 | $\pm 9.6$ \% |
| 10578 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps , 90pc dc) | WLAN | 8.49 | $\pm 9.6$ \% |
| 10579 | AAA | IEEE 802.11 g WiFi 2.4 GHz (DSSS-OFDM, $24 \mathrm{Mbps}, 90 \mathrm{pc}$ dc) | WLAN | 8.36 | $\pm 9.6$ \% |
| 10580 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, $36 \mathrm{Mbps}, 90 \mathrm{pc}$ dc) | WLAN | 8.76 | $\pm 9.6$ \% |
| 10581 | AAA | IEEE 802.11 g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps , 90pc dc) | WLAN | 8.35 | $\pm 9.6$ \% |
| 10582 | AAA | IEEE 802.11 g WiFi 2.4 GHz (DSSS-OFDM, $54 \mathrm{Mbps}, 90 \mathrm{pc} \mathrm{dc})$ | WLAN | 8.67 | $\pm 9.6$ \% |
| 10583 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps , 90pc dc) | WLAN | 8.59 | $\pm 9.6$ \% |
| 10584 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps , 90pc dc) | WLAN | 8.60 | $\pm 9.6$ \% |
| 10585 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps , 90pc dc) | WLAN | 8.70 | $\pm 9.6$ \% |
| 10586 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps , 90pc dc) | WLAN | 8.49 | $\pm 9.6$ \% |
| 10587 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps , 90pc dc) | WLAN | 8.36 | $\pm 9.6$ \% |
| 10588 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps , 90pc dc) | WLAN | 8.76 | $\pm 9.6$ \% |
| 10589 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps , 90pc dc) | WLAN | 8.35 | $\pm 9.6$ \% |
| 10590 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps , 90pc dc) | WLAN | 8.67 | $\pm 9.6$ \% |
| 10591 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCSO, 90pc dc) | WLAN | 8.63 | $\pm 9.6$ \% |
| 10592 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc) | WLAN | 8.79 | $\pm 9.6$ \% |
| 10593 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc) | WLAN | 8.64 | $\pm 9.6$ \% |
| 10594 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc) | WLAN | 8.74 | $\pm 9.6$ \% |
| 10595 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc) | WLAN | 8.74 | $\pm 9.6 \%$ |
| 10596 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc) | WLAN | 8.71 | $\pm 9.6$ \% |
| 10597 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc) | WLAN | 8.72 | $\pm 9.6$ \% |
| 10598 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc) | WLAN | 8.50 | $\pm 9.6 \%$ |
| 10599 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCSO, 90pc dc) | WLAN | 8.79 | $\pm 9.6$ \% |
| 10600 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc) | WLAN | 8.88 | $\pm 9.6 \%$ |
| 10601 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc) | WLAN | 8.82 | $\pm 9.6$ \% |
| 10602 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc) | WLAN | 8.94 | $\pm 9.6$ \% |
| 10603 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc) | WLAN | 9.03 | $\pm 9.6 \%$ |
| 10604 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc) | WLAN | 8.76 | $\pm 9.6 \%$ |

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| 10605 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc) | WLAN | 8.97 | $\pm 9.6$ \% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 10606 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc) | WLAN | 8.82 | $\pm 9.6$ \% |
| 10607 | AAC | IEEE 802.11ac WiFi (20MHz, MCSO, 90pc dc) | WLAN | 8.64 | $\pm 9.6$ \% |
| 10608 | AAC | IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc) | WLAN | 8.77 | $\pm 9.6$ \% |
| 10609 | AAC | IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc) | WLAN | 8.57 | $\pm 9.6$ \% |
| 10610 | AAC | IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc) | WLAN | 8.78 | $\pm 9.6$ \% |
| 10611 | AAC | IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc) | WLAN | 8.70 | $\pm 9.6$ \% |
| 10612 | AAC | IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc) | WLAN | 8.77 | $\pm 9.6$ \% |
| 10613 | AAC | IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc) | WLAN | 8.94 | $\pm 9.6$ \% |
| 10614 | AAC | IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc) | WLAN | 8.59 | $\pm 9.6$ \% |
| 10615 | AAC | IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc) | WLAN | 8.82 | $\pm 9.6$ \% |
| 10616 | AAC | IEEE 802.11 ac WiFi (40MHz, MCS0, 90pc dc) | WLAN | 8.82 | $\pm 9.6$ \% |
| 10617 | AAC | IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc) | WLAN | 8.81 | $\pm 9.6$ \% |
| 10618 | AAC | IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc) | WLAN | 8.58 | $\pm 9.6$ \% |
| 10619 | AAC | IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc) | WLAN | 8.86 | $\pm 9.6$ \% |
| 10620 | AAC | IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc) | WLAN | 8.87 | $\pm 9.6$ \% |
| 10621 | AAC | IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc) | WLAN | 8.77 | $\pm 9.6$ \% |
| 10622 | AAC | IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc) | WLAN | 8.68 | $\pm 9.6$ \% |
| 10623 | AAC | IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc) | WLAN | 8.82 | $\pm 9.6$ \% |
| 10624 | AAC | IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc) | WLAN | 8.96 | $\pm 9.6$ \% |
| 10625 | AAC | IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc) | WLAN | 8.96 | $\pm 9.6$ \% |
| 10626 | AAC | IEEE 802.11ac WiFi (80MHz, MCSO, 90pc dc) | WLAN | 8.83 | $\pm 9.6$ \% |
| 10627 | AAC | IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc) | WLAN | 8.88 | $\pm 9.6$ \% |
| 10628 | AAC | IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc) | WLAN | 8.71 | $\pm 9.6$ \% |
| 10629 | AAC | IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc) | WLAN | 8.85 | $\pm 9.6$ \% |
| 10630 | AAC | IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc) | WLAN | 8.72 | $\pm 9.6$ \% |
| 10631 | AAC | IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc) | WLAN | 8.81 | $\pm 9.6$ \% |
| 10632 | AAC | IEEE 802.11 ac WiFi (80MHz, MCS6, 90pc dc) | WLAN | 8.74 | $\pm 9.6$ \% |
| 10633 | AAC | IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc) | WLAN | 8.83 | $\pm 9.6$ \% |
| 10634 | AAC | IEEE 802.11 ac WiFi ( 80 MHz , MCS8, 90pc dc) | WLAN | 8.80 | $\pm 9.6$ \% |
| 10635 | AAC | IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc) | WLAN | 8.81 | $\pm 9.6$ \% |
| 10636 | AAD | IEEE 802.11ac WiFi ( 160 MHz , MCSO, 90pc dc) | WLAN | 8.83 | $\pm 9.6$ \% |
| 10637 | AAD | IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc) | WLAN | 8.79 | $\pm 9.6$ \% |
| 10638 | AAD | IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc) | WLAN | 8.86 | $\pm 9.6$ \% |
| 10639 | AAD | IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc) | WLAN | 8.85 | $\pm 9.6$ \% |
| 10640 | AAD | IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc) | WLAN | 8.98 | $\pm 9.6$ \% |
| 10641 | AAD | IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc) | WLAN | 9.06 | $\pm 9.6$ \% |
| 10642 | AAD | IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc) | WLAN | 9.06 | $\pm 9.6$ \% |
| 10643 | AAD | IEEE 802.11ac WiFi ( 160 MHz , MCS7, 90pc dc) | WLAN | 8.89 | $\pm 9.6$ \% |
| 10644 | AAD | IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc) | WLAN | 9.05 | $\pm 9.6$ \% |
| 10645 | AAD | IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc) | WLAN | 9.11 | $\pm 9.6$ \% |
| 10646 | AAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7) | LTE-TDD | 11.96 | $\pm 9.6$ \% |
| 10647 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz , QPSK, UL Sub=2,7) | LTE-TDD | 11.96 | $\pm 9.6$ \% |
| 10648 | AAA | CDMA2000 (1x Advanced) | CDMA2000 | 3.45 | $\pm 9.6$ \% |
| 10652 | AAE | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44\%) | LTE-TDD | 6.91 | $\pm 9.6$ \% |
| 10653 | AAE | LTE-TDD (OFDMA, 10 MHz , E-TM 3.1, Clipping 44\%) | LTE-TDD | 7.42 | $\pm 9.6$ \% |
| 10654 | AAD | LTE-TDD (OFDMA, 15 MHz , E-TM 3.1, Clipping 44\%) | LTE-TDD | 6.96 | $\pm 9.6$ \% |
| 10655 | AAE | LTE-TDD (OFDMA, 20 MHz , E-TM 3.1, Clipping 44\%) | LTE-TDD | 7.21 | $\pm 9.6$ \% |
| 10658 | AAA | Pulse Waveform ( $200 \mathrm{~Hz}, 10 \%$ ) | Test | 10.00 | $\pm 9.6$ \% |
| 10659 | AAA | Pulse Waveform ( $200 \mathrm{~Hz}, 20 \%$ ) | Test | 6.99 | $\pm 9.6 \%$ |
| 10660 | AAA | Pulse Waveform ( $200 \mathrm{~Hz}, 40 \%$ ) | Test | 3.98 | $\pm 9.6 \%$ |
| 10661 | AAA | Pulse Waveform ( $200 \mathrm{~Hz}, 60 \%$ ) | Test | 2.22 | $\pm 9.6 \%$ |
| 10662 | AAA | Pulse Waveform ( $200 \mathrm{~Hz}, 80 \%$ ) | Test | 0.97 | $\pm 9.6$ \% |
| 10670 | AAA | Bluetooth Low Energy | Bluetooth | 2.19 | $\pm 9.6$ \% |
| 10671 | AAC | IEEE 802.11ax (20MHz, MCSO, 90pc dc) | WLAN | 9.09 | $\pm 9.6$ \% |
| 10672 | AAC | IEEE 802.11ax (20MHz, MCS1, 90pc dc) | WLAN | 8.57 | $\pm 9.6$ \% |

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| 10673 | AAC | IEEE 802.11ax (20MHz, MCS2, 90pc dc) | WLAN | 8.78 | $\pm 9.6$ \% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 10674 | AAC | IEEE 802.11ax ( 20 MHz , MCS3, 90pc dc) | WLAN | 8.74 | $\pm 9.6 \%$ |
| 10675 | AAC | IEEE 802.11ax (20MHz, MCS4, 90pc dc) | WLAN | 8.90 | $\pm 9.6$ \% |
| 10676 | AAC | IEEE 802.11ax (20MHz, MCS5, 90pc dc) | WLAN | 8.77 | $\pm 9.6 \%$ |
| 10677 | AAC | IEEE 802.11ax (20MHz, MCS6, 90pc dc) | WLAN | 8.73 | $\pm 9.6 \%$ |
| 10678 | AAC | IEEE 802.11ax (20MHz, MCS7, 90pc dc) | WLAN | 8.78 | $\pm 9.6 \%$ |
| 10679 | AAC | IEEE 802.11ax (20MHz, MCS8, 90pc dc) | WLAN | 8.89 | $\pm 9.6$ \% |
| 10680 | AAC | IEEE 802.11ax (20MHz, MCS9, 90pc dc) | WLAN | 8.80 | $\pm 9.6$ \% |
| 10681 | AAC | IEEE 802.11ax (20MHz, MCS10, 90pc dc) | WLAN | 8.62 | $\pm 9.6$ \% |
| 10682 | AAC | IEEE 802.11ax ( 20 MHz , MCS11, 90pc dc) | WLAN | 8.83 | $\pm 9.6 \%$ |
| 10683 | AAC | IEEE 802.11ax (20MHz, MCS0, 99pc dc) | WLAN | 8.42 | $\pm 9.6$ \% |
| 10684 | AAC | IEEE 802.11ax (20MHz, MCS1, 99pc dc) | WLAN | 8.26 | $\pm 9.6 \%$ |
| 10685 | AAC | IEEE 802.11ax (20MHz, MCS2, 99pc dc) | WLAN | 8.33 | $\pm 9.6 \%$ |
| 10686 | AAC | IEEE 802.11ax (20MHz, MCS3, 99pc dc) | WLAN | 8.28 | $\pm 9.6 \%$ |
| 10687 | AAC | IEEE 802.11ax (20MHz, MCS4, 99pc dc) | WLAN | 8.45 | $\pm 9.6 \%$ |
| 10688 | AAC | IEEE 802.11ax (20MHz, MCS5, 99pc dc) | WLAN | 8.29 | $\pm 9.6 \%$ |
| 10689 | AAC | IEEE 802.11ax (20MHz, MCS6, 99pc dc) | WLAN | 8.55 | $\pm 9.6 \%$ |
| 10690 | AAC | IEEE 802.11ax (20MHz, MCS7, 99pc dc) | WLAN | 8.29 | $\pm 9.6 \%$ |
| 10691 | AAC | IEEE 802.11ax (20MHz, MCS8, 99pc dc) | WLAN | 8.25 | $\pm 9.6 \%$ |
| 10692 | AAC | IEEE 802.11ax (20MHz, MCS9, 99pc dc) | WLAN | 8.29 | $\pm 9.6$ \% |
| 10693 | AAC | IEEE 802.11ax (20MHz, MCS10, 99pc dc) | WLAN | 8.25 | $\pm 9.6 \%$ |
| 10694 | AAC | IEEE 802.11ax (20MHz, MCS11, 99pc dc) | WLAN | 8.57 | $\pm 9.6 \%$ |
| 10695 | AAC | IEEE 802.11ax (40MHz, MCS0, 90pc dc) | WLAN | 8.78 | $\pm 9.6 \%$ |
| 10696 | AAC | IEEE 802.11ax (40MHz, MCS1, 90pc dc) | WLAN | 8.91 | $\pm 9.6 \%$ |
| 10697 | AAC | IEEE 802.11ax (40MHz, MCS2, 90pc dc) | WLAN | 8.61 | $\pm 9.6 \%$ |
| 10698 | AAC | IEEE 802.11ax (40MHz, MCS3, 90pc dc) | WLAN | 8.89 | $\pm 9.6 \%$ |
| 10699 | AAC | IEEE 802.11ax (40MHz, MCS4, 90pc dc) | WLAN | 8.82 | $\pm 9.6 \%$ |
| 10700 | AAC | IEEE 802.11 ax (40MHz, MCS5, 90pc dc) | WLAN | 8.73 | $\pm 9.6 \%$ |
| 10701 | AAC | IEEE 802.11 ax (40MHz, MCS6, 90pc dc) | WLAN | 8.86 | $\pm 9.6$ \% |
| 10702 | AAC | IEEE 802.11ax (40MHz, MCS7, 90pc dc) | WLAN | 8.70 | $\pm 9.6 \%$ |
| 10703 | AAC | IEEE 802.11ax (40MHz, MCS8, 90pc dc) | WLAN | 8.82 | $\pm 9.6$ \% |
| 10704 | AAC | IEEE 802.11ax (40MHz, MCS9, 90pc dc) | WLAN | 8.56 | $\pm 9.6 \%$ |
| 10705 | AAC | IEEE 802.11ax (40MHz, MCS10, 90pc dc) | WLAN | 8.69 | $\pm 9.6 \%$ |
| 10706 | AAC | IEEE 802.11 ax (40MHz, MCS11, 90pc dc) | WLAN | 8.66 | $\pm 9.6 \%$ |
| 10707 | AAC | IEEE 802.11ax (40MHz, MCS0, 99pc dc) | WLAN | 8.32 | $\pm 9.6 \%$ |
| 10708 | AAC | IEEE 802.11 ax (40MHz, MCS1, 99pc dc) | WLAN | 8.55 | $\pm 9.6 \%$ |
| 10709 | AAC | IEEE 802.11 ax (40MHz, MCS2, 99pc dc) | WLAN | 8.33 | $\pm 9.6$ \% |
| 10710 | AAC | IEEE 802.11ax (40MHz, MCS3, 99pc dc) | WLAN | 8.29 | $\pm 9.6 \%$ |
| 10711 | AAC | IEEE 802.11ax (40MHz, MCS4, 99pc dc) | WLAN | 8.39 | $\pm 9.6 \%$ |
| 10712 | AAC | IEEE 802.11ax (40MHz, MCS5, 99pc dc) | WLAN | 8.67 | $\pm 9.6 \%$ |
| 10713 | AAC | IEEE 802.11ax (40MHz, MCS6, 99pc dc) | WLAN | 8.33 | $\pm 9.6 \%$ |
| 10714 | AAC | IEEE 802.11ax (40MHz, MCS7, 99pc dc) | WLAN | 8.26 | $\pm 9.6$ \% |
| 10715 | AAC | IEEE 802.11ax (40MHz, MCS8, 99pc dc) | WLAN | 8.45 | $\pm 9.6 \%$ |
| 10716 | AAC | IEEE 802.11ax (40MHz, MCS9, 99pc dc) | WLAN | 8.30 | $\pm 9.6 \%$ |
| 10717 | AAC | IEEE 802.11ax (40MHz, MCS10, 99pc dc) | WLAN | 8.48 | $\pm 9.6 \%$ |
| 10718 | AAC | IEEE 802.11ax (40MHz, MCS11, 99pc dc) | WLAN | 8.24 | $\pm 9.6$ \% |
| 10719 | AAC | IEEE 802.11ax ( 80 MHz , MCS0, 90pc dc) | WLAN | 8.81 | $\pm 9.6$ \% |
| 10720 | AAC | IEEE 802.11ax (80MHz, MCS1, 90pc dc) | WLAN | 8.87 | $\pm 9.6 \%$ |
| 10721 | AAC | IEEE 802.11 $\mathrm{ax}(80 \mathrm{MHz}, \mathrm{MCS2}, 90 \mathrm{pc} \mathrm{dc})$ | WLAN | 8.76 | $\pm 9.6$ \% |
| 10722 | AAC | IEEE 802.11ax (80MHz, MCS3, 90pc dc) | WLAN | 8.55 | $\pm 9.6 \%$ |
| 10723 | AAC | IEEE 802.11ax (80MHz, MCS4, 90pc dc) | WLAN | 8.70 | $\pm 9.6$ \% |
| 10724 | AAC | IEEE 802.11ax (80MHz, MCS5, 90pc dc) | WLAN | 8.90 | $\pm 9.6$ \% |
| 10725 | AAC | IEEE 802.11 ax ( 80 MHz , MCS6, 90pc dc) | WLAN | 8.74 | $\pm 9.6$ \% |
| 10726 | AAC | IEEE 802.11ax (80MHz, MCS7, 90pc dc) | WLAN | 8.72 | $\pm 9.6$ \% |
| 10727 | AAC | IEEE 802.11ax (80MHz, MCS8, 90pc dc) | WLAN | 8.66 | $\pm 9.6$ \% |
| 10728 | AAC | IEEE 802.11 ax (80MHz, MCS9, 90pc dc) | WLAN | 8.65 | $\pm 9.6$ \% |


[^0]:    ${ }^{\text {c }}$ Frequency validity above 300 MHz of $\pm 100 \mathrm{MHz}$ only applies for DASY v4.4 and higher (see Page 2), else it is restricted to $\pm 50 \mathrm{MHz}$. 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 $\pm 10,25,40,50$ and 70 MHz for ConvF assessments at $30,64,128,150$ and 220 MHz respectively. Validity of ConvF assessed 6 MHz is $4-9 \mathrm{MHz}$, and ConvF assessed at 13 MHz is $9-19 \mathrm{MHz}$ A Ants at $30,64,128,150$ and 220 MHz respectively. Validity of ConvF assessed ${ }^{F}$ At frequencies below 3 GHz , the validity of tissue is $9-19 \mathrm{MHz}$. Above 5 GHz frequency validity can be extended to $\pm 110 \mathrm{MHz}$
    At frequencies below 3 GHz , the validity of tissue parameters ( $\varepsilon$ and $\sigma$ ) can be relaxed to $\pm 10 \%$ if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz , the validity of tissue parameters $(\varepsilon$ and $\sigma$ ) is restricted to $\pm 5 \%$. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters
    ${ }^{6}$ Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than $\pm 1 \%$ for frequencies below 3 GHz and below $\pm 2 \%$ for frequencies between $3-6 \mathrm{GHz}$ at any distance larger than half the probe tip diameter from the boundary.

