# APPENDIX A: SAR TEST DATA

### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01347

Communication System: UID 0, GSM GPRS; 2 Tx slots; Frequency: 836.6 MHz; Duty Cycle: 1:4.15 Medium: 835 Head Medium parameters used (interpolated):  $f = 836.6 \text{ MHz}; \ \sigma = 0.917 \text{ S/m}; \ \epsilon_r = 40.059; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Right Section

Test Date: 02/09/2020; Ambient Temp: 21.4°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7410; ConvF(9.88, 9.88, 9.88) @ 836.6 MHz; Calibrated: 7/16/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1322; Calibrated: 7/11/2019

Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1966

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## Mode: GPRS 850, Right Head, Cheek, Mid.ch, 2 Tx slots

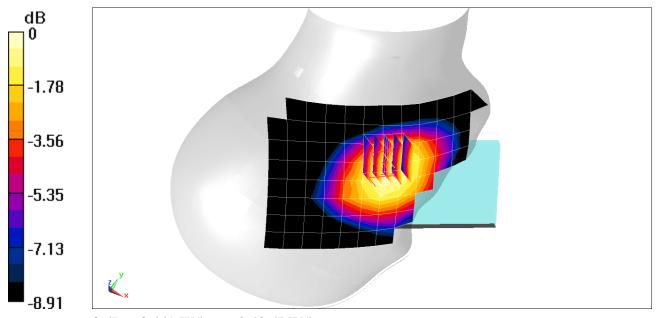
Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.05 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.480 W/kg

SAR(1 g) = 0.393 W/kg



0 dB = 0.449 W/kg = -3.48 dBW/kg

### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01347

Communication System: UID 0, GSM GPRS; 2 Tx slots; Frequency: 1880 MHz; Duty Cycle: 1:4.15 Medium: 1900 Head Medium parameters used:  $f = 1880 \text{ MHz}; \ \sigma = 1.424 \text{ S/m}; \ \epsilon_r = 39.245; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Left Section

Test Date: 02/03/2020; Ambient Temp: 21.9°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN7410; ConvF(8.11, 8.11, 8.11) @ 1880 MHz; Calibrated: 7/16/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1322; Calibrated: 7/11/2019

Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1966

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## Mode: GPRS 1900, Left Head, Cheek, Mid.ch, 2 Tx slots

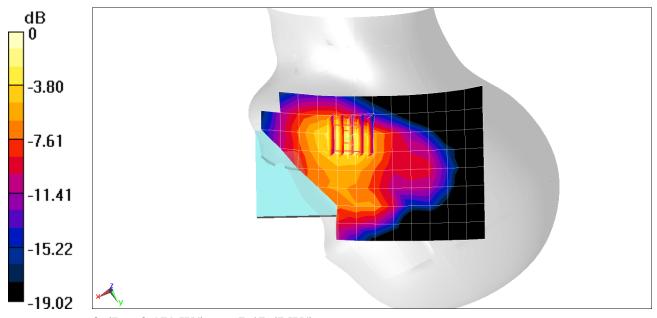
Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.45 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.203 W/kg

SAR(1 g) = 0.138 W/kg



0 dB = 0.179 W/kg = -7.47 dBW/kg

### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01347

Communication System: UID 0, UMTS; Frequency: 836.6 MHz; Duty Cycle: 1:1 Medium: 835 Head Medium parameters used (interpolated):  $f = 836.6 \text{ MHz}; \ \sigma = 0.917 \text{ S/m}; \ \epsilon_r = 40.059; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Left Section

Test Date: 02/09/2020; Ambient Temp: 21.4°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7410; ConvF(9.88, 9.88, 9.88) @ 836.6 MHz; Calibrated: 7/16/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1322; Calibrated: 7/11/2019

Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1966

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

### Mode: UMTS 850, Left Head, Cheek, Mid.ch

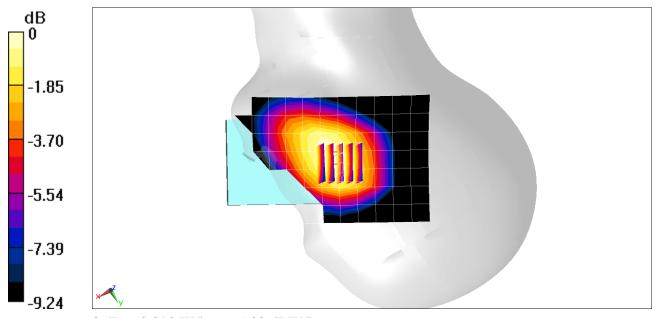
Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.90 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.310 W/kg

SAR(1 g) = 0.248 W/kg



0 dB = 0.290 W/kg = -5.38 dBW/kg

### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01313

Communication System: UID 0, UMTS; Frequency: 1732.4 MHz; Duty Cycle: 1:1 Medium: 1750 Head Medium parameters used (interpolated):  $f = 1732.4 \text{ MHz}; \ \sigma = 1.353 \text{ S/m}; \ \epsilon_r = 39.941; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Left Section

Test Date: 01/29/2020; Ambient Temp: 21.7°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3914; ConvF(8.16, 8.16, 8.16) @ 1732.4 MHz; Calibrated: 2/19/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1272; Calibrated: 2/14/2019

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1646 Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

### Mode: UMTS 1750, Left Head, Cheek, Mid.ch

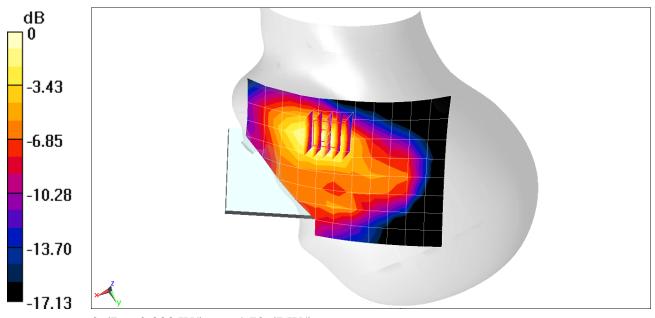
Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.23 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.396 W/kg

SAR(1 g) = 0.250 W/kg



0 dB = 0.333 W/kg = -4.78 dBW/kg

### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01347

Communication System: UID 0, UMTS; Frequency: 1880 MHz; Duty Cycle: 1:1 Medium: 1900 Head Medium parameters used:  $f = 1880 \text{ MHz}; \ \sigma = 1.424 \text{ S/m}; \ \epsilon_r = 39.245; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Left Section

Test Date: 02/03/2020; Ambient Temp: 21.9°C; Tissue Temp: 19.4°C

 $Probe: EX3DV4 - SN7410; ConvF(8.11,\,8.11,\,8.11) @\ 1880\ MHz; Calibrated: 7/16/2019$ 

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1322; Calibrated: 7/11/2019

Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1966

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## Mode: UMTS 1900, Left Head, Cheek, Mid.ch

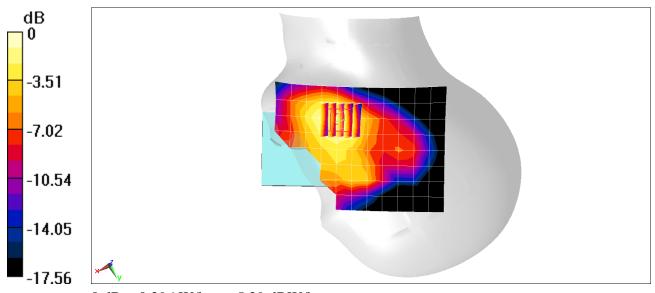
Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.35 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.349 W/kg

SAR(1 g) = 0.237 W/kg



0 dB = 0.296 W/kg = -5.29 dBW/kg

### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01347

Communication System: UID 0, LTE Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1 Medium: 700 Head Medium parameters used (interpolated):  $f = 707.5 \text{ MHz}; \ \sigma = 0.868 \text{ S/m}; \ \epsilon_r = 41.483; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Left Section

Test Date: 02/05/2020; Ambient Temp: 22.3°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7410; ConvF(9.95, 9.95, 9.95) @ 707.5 MHz; Calibrated: 7/16/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1322; Calibrated: 7/11/2019

Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1966

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

# Mode: LTE Band 12, Left Head, Cheek, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

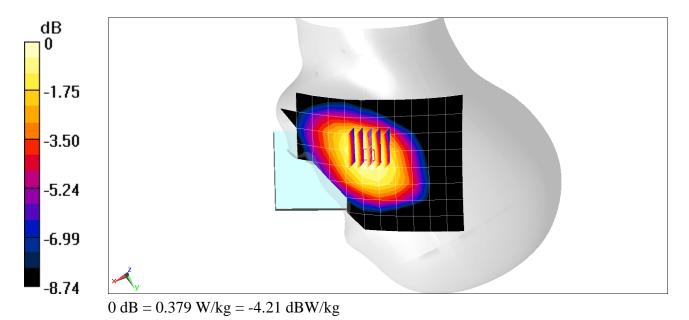
Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.40 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.395 W/kg

SAR(1 g) = 0.330 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01347

Communication System: UID 0, LTE Band 14; Frequency: 793 MHz; Duty Cycle: 1:1 Medium: 700 Head Medium parameters used (interpolated):  $f = 793 \text{ MHz}; \ \sigma = 0.898 \text{ S/m}; \ \epsilon_r = 41.191; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Right Section

Test Date: 02/05/2020; Ambient Temp: 22.3°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7410; ConvF(9.95, 9.95, 9.95) @ 793 MHz; Calibrated: 7/16/2019 Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1322; Calibrated: 7/11/2019

Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1966

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

# Mode: LTE Band 14, Right Head, Cheek, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

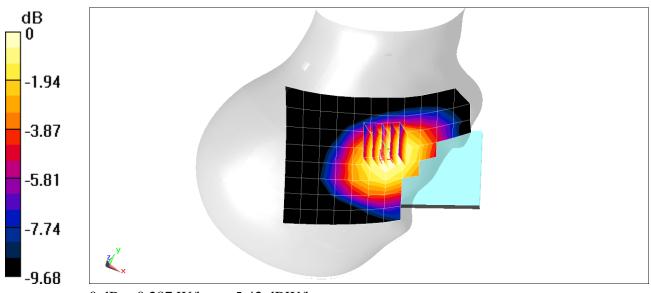
Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.95 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.300 W/kg

SAR(1 g) = 0.258 W/kg



0 dB = 0.287 W/kg = -5.42 dBW/kg

### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01347

Communication System: UID 0, LTE Band 5 (Cell.); Frequency: 836.5 MHz; Duty Cycle: 1:1 Medium: 835 Head Medium parameters used (interpolated):  $f = 836.5 \text{ MHz}; \ \sigma = 0.917 \text{ S/m}; \ \epsilon_r = 40.059; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Left Section

Test Date: 02/09/2020; Ambient Temp: 21.4°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7410; ConvF(9.88, 9.88, 9.88) @ 836.5 MHz; Calibrated: 7/16/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1322; Calibrated: 7/11/2019

Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1966

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

# Mode: LTE Band 5 (Cell.), Left Head, Cheek, Mid.ch, 10 MHz Bandwidth, OPSK, 1 RB, 25 RB Offset

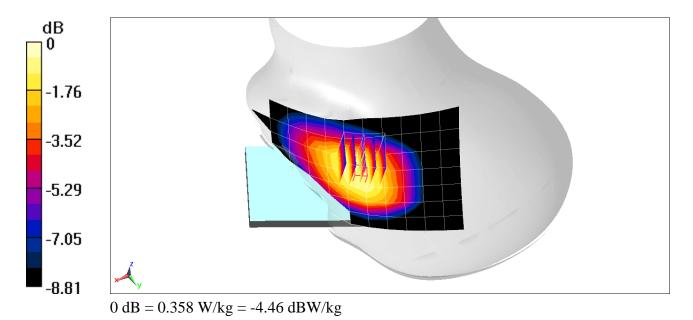
Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.11 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.380 W/kg

SAR(1 g) = 0.303 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01313

Communication System: UID 0, LTE Band 4 (AWS); Frequency: 1732.5 MHz; Duty Cycle: 1:1 Medium: 1750 Head Medium parameters used (interpolated):  $f = 1732.5 \text{ MHz}; \ \sigma = 1.353 \text{ S/m}; \ \epsilon_r = 39.941; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Left Section

Test Date: 01/29/2020; Ambient Temp: 21.7°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3914; ConvF(8.16, 8.16, 8.16) @ 1732.5 MHz; Calibrated: 2/19/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1272; Calibrated: 2/14/2019

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1646 Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

# Mode: LTE Band 4 (AWS), Left Head, Cheek, Mid.ch, 20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset

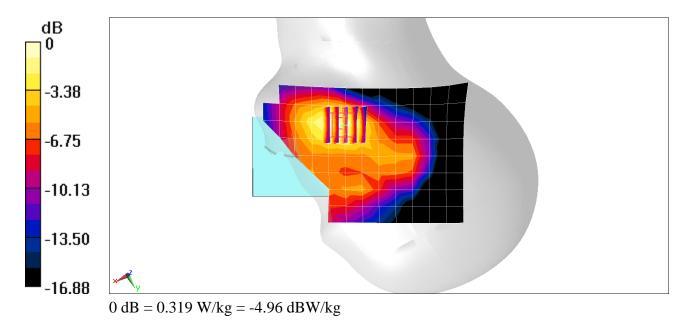
Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.37 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.377 W/kg

SAR(1 g) = 0.236 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01347

Communication System: UID 0, \_LTE Band 2 (PCS); Frequency: 1880 MHz; Duty Cycle: 1:1 Medium: 1900 Head Medium parameters used:  $f = 1880 \text{ MHz}; \ \sigma = 1.424 \text{ S/m}; \ \epsilon_r = 39.245; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Left Section

Test Date: 02/03/2020; Ambient Temp: 21.9°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN7410; ConvF(8.11, 8.11, 8.11) @ 1880 MHz; Calibrated: 7/16/2019 Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1322; Calibrated: 7/11/2019

Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1966

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

# Mode: LTE Band 2 (PCS), Left Head, Cheek, Mid.ch, 20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset

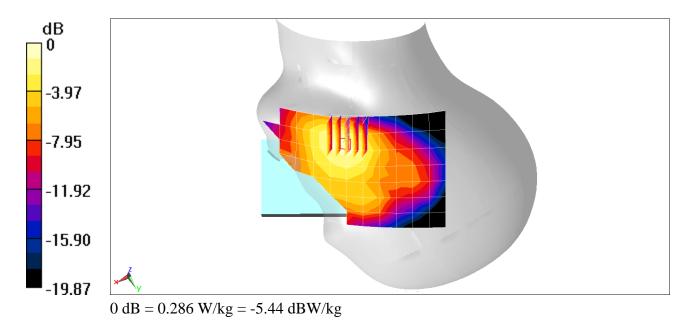
Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.25 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.331 W/kg

SAR(1 g) = 0.212 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01321

Communication System: UID 0, LTE Band 30; Frequency: 2310 MHz; Duty Cycle: 1:1 Medium: 2450 Head Medium parameters used:  $f = 2310 \text{ MHz}; \ \sigma = 1.7 \text{ S/m}; \ \epsilon_r = 41.202; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Left Section

Test Date: 01/30/2020; Ambient Temp: 22.5°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7417; ConvF(7.73, 7.73, 7.73) @ 2310 MHz; Calibrated: 2/19/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn665; Calibrated: 2/13/2019

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1647

Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

# Mode: LTE Band 30, Left Head, Cheek, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

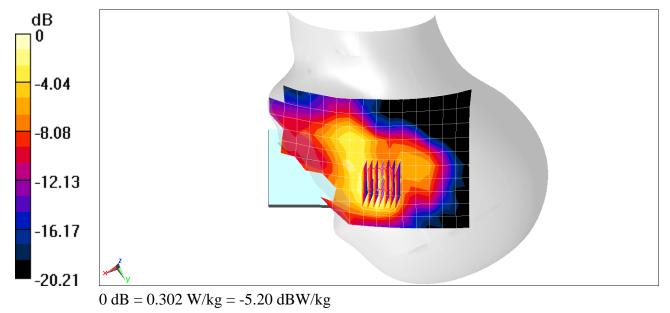
Area Scan (11x18x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.55 V/m; Power Drift = 0.21 dB

Peak SAR (extrapolated) = 0.360 W/kg

SAR(1 g) = 0.209 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01255

Communication System: UID 0, 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1 Medium: 2450 Head Medium parameters used (interpolated):  $f = 2437 \text{ MHz}; \ \sigma = 1.814 \text{ S/m}; \ \epsilon_r = 38.851; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Right Section

Test Date: 02/05/2020; Ambient Temp: 23.6°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN3589; ConvF(6.85, 6.85, 6.85) @ 2437 MHz; Calibrated: 1/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1558; Calibrated: 1/13/2020

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1647

Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## Mode: IEEE 802.11b, 22 MHz Bandwidth, Right Head, Cheek, Ch 6, 1 Mbps

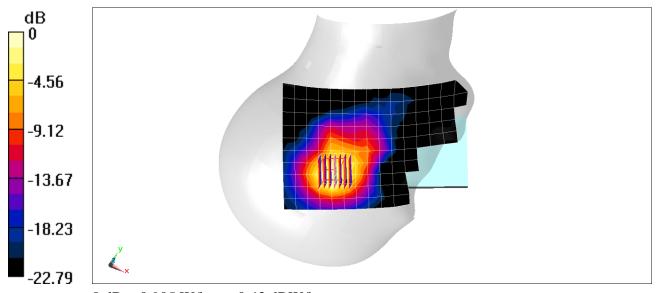
Area Scan (11x18x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.664 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.555 W/kg



0 dB = 0.905 W/kg = -0.43 dBW/kg

### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01255

Communication System: UID 0, Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1.294 Medium: 2450 Head Medium parameters used (interpolated):  $f = 2441 \text{ MHz}; \ \sigma = 1.839 \text{ S/m}; \ \epsilon_r = 39.597; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Right Section

Test Date: 02/08/2020; Ambient Temp: 22.2°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN3589; ConvF(6.85, 6.85, 6.85) @ 2441 MHz; Calibrated: 1/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1558; Calibrated: 1/13/2020

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1647

Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

### Mode: Bluetooth, Right Head, Cheek, Ch 39, 1Mbps

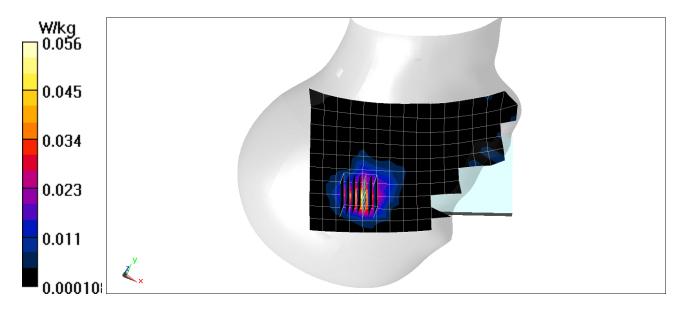
Area Scan (11x19x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.299 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.0770 W/kg

SAR(1 g) = 0.033 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01321

Communication System: UID 0, GSM GPRS; 2 Tx slots; Frequency: 836.6 MHz; Duty Cycle: 1:4.15 Medium: 835 Body Medium parameters used (interpolated):  $f = 836.6 \text{ MHz}; \ \sigma = 0.962 \text{ S/m}; \ \epsilon_r = 54.441; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/31/2020; Ambient Temp: 22.8°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7406; ConvF(9.78, 9.78, 9.78) @ 836.6 MHz; Calibrated: 5/16/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn728; Calibrated: 5/8/2019

Phantom: Twin-SAM V5.0 Right 30; Type: QD 000 P40 CD; Serial: 1759 Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

### Mode: GPRS 850, Body SAR, Back side, Mid.ch, 2 Tx Slots

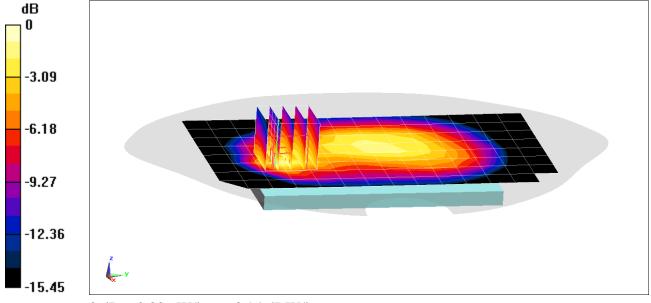
Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.80 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.541 W/kg



0 dB = 0.806 W/kg = -0.94 dBW/kg

### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01347

Communication System: UID 0, GSM GPRS; 2 Tx slots; Frequency: 1880 MHz; Duty Cycle: 1:4.15 Medium: 1900 Body Medium parameters used:  $f = 1880 \text{ MHz}; \sigma = 1.514 \text{ S/m}; \epsilon_r = 52.868; \rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section; Space: 1.0 cm

Test Date: 02/09/2020; Ambient Temp: 22.7°C; Tissue Temp: 24.7°C

Probe: EX3DV4 - SN7571; ConvF(7.56, 7.56, 7.56) @ 1880 MHz; Calibrated: 12/11/2019

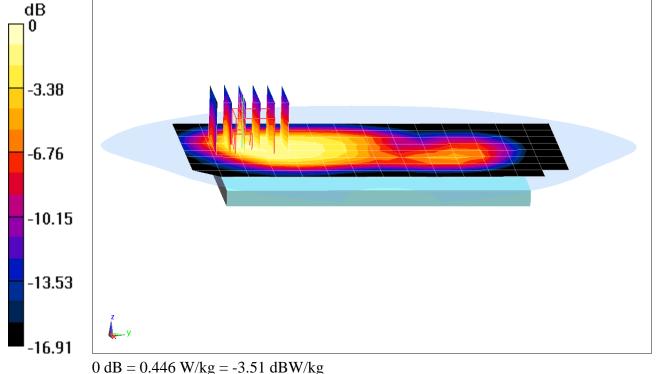
Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1533; Calibrated: 12/5/2019

Phantom: SAM Left; Type: QD000P40CC; Serial: TP: 1375

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

### Mode: GPRS 1900, Body SAR, Back side, Mid.ch, 2 Tx Slots

**Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 14.67 V/m: Power Drift = -0.20 dBPeak SAR (extrapolated) = 0.524 W/kgSAR(1 g) = 0.301 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01347

Communication System: UID 0, GSM GPRS; 2 Tx slots; Frequency: 1880 MHz; Duty Cycle: 1:4.15 Medium: 1900 Body Medium parameters used:  $f = 1880 \text{ MHz}; \ \sigma = 1.514 \text{ S/m}; \ \epsilon_r = 52.868; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 02/09/2020; Ambient Temp: 22.7°C; Tissue Temp: 24.7°C

Probe: EX3DV4 - SN7571; ConvF(7.56, 7.56, 7.56) @ 1880 MHz; Calibrated: 12/11/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1533; Calibrated: 12/5/2019

Phantom: SAM Left; Type: QD000P40CC; Serial: TP: 1375

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

### Mode: GPRS 1900, Body SAR, Bottom Edge, Mid.ch, 2 Tx Slots

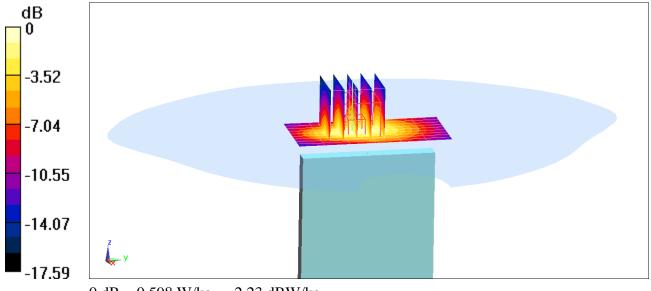
Area Scan (10x7x1): Measurement grid: dx=5mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.02 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.703 W/kg

SAR(1 g) = 0.397 W/kg



0 dB = 0.598 W/kg = -2.23 dBW/kg

### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01313

Communication System: UID 0, UMTS; Frequency: 836.6 MHz; Duty Cycle: 1:1 Medium: 835 Body Medium parameters used (interpolated):  $f = 836.6 \text{ MHz}; \ \sigma = 0.952 \text{ S/m}; \ \epsilon_r = 54.357; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/23/2020; Ambient Temp: 23.1°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7551; ConvF(9.92, 9.92, 9.92) @ 836.6 MHz; Calibrated: 9/19/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1333; Calibrated: 9/17/2019

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1792 Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

### Mode: UMTS 850, Body SAR, Back side, Mid.ch

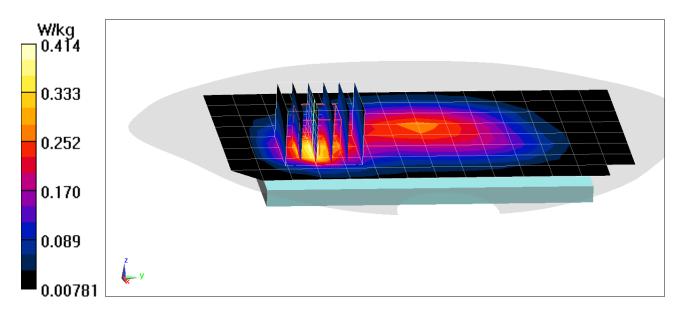
Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.92 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.525 W/kg

SAR(1 g) = 0.291 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01339

Communication System: UID 0, UMTS; Frequency: 1732.4 MHz; Duty Cycle: 1:1 Medium: 1750 Body Medium parameters used (interpolated):  $f = 1732.4 \text{ MHz}; \ \sigma = 1.472 \text{ S/m}; \ \epsilon_r = 55.158; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 02/10/2020; Ambient Temp: 21.5°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7357; ConvF(8.26, 8.26, 8.26) @ 1732.4 MHz; Calibrated: 4/24/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1407; Calibrated: 4/18/2019

Phantom: Right Back Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1692 Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## Mode: UMTS 1750, Body SAR, Back side, Mid.ch

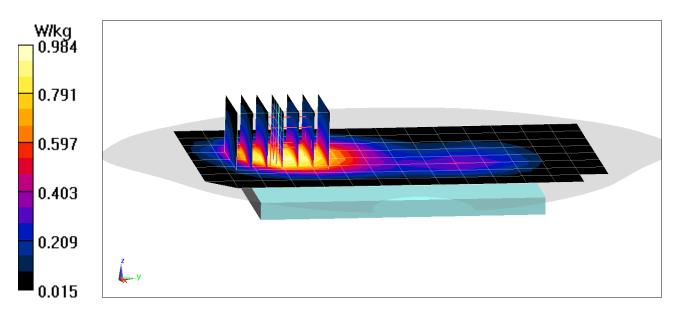
Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.21 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.727 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01313

Communication System: UID 0, UMTS; Frequency: 1880 MHz; Duty Cycle: 1:1 Medium: 1900 Body Medium parameters used:  $f = 1880 \text{ MHz}; \ \sigma = 1.554 \text{ S/m}; \ \epsilon_r = 51.971; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/21/2020; Ambient Temp: 22.0°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7551; ConvF(7.69, 7.69, 7.69) @ 1880 MHz; Calibrated: 9/19/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1333; Calibrated: 9/17/2019

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1792

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## Mode: UMTS 1900, Body SAR, Back side, Mid.ch

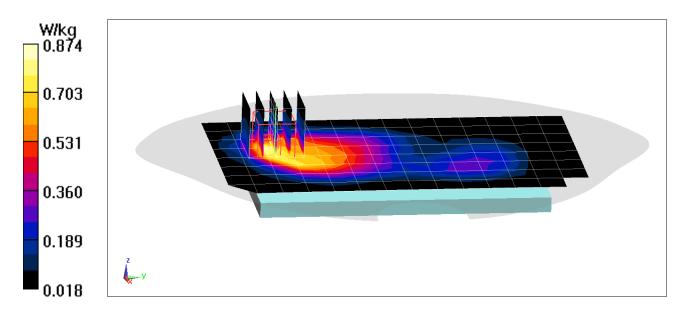
Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.54 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.577 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01313

Communication System: UID 0, UMTS; Frequency: 1852.4 MHz; Duty Cycle: 1:1 Medium: 1900 Body Medium parameters used (interpolated):  $f = 1852.4 \text{ MHz}; \ \sigma = 1.524 \text{ S/m}; \ \epsilon_r = 52.062; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/21/2020; Ambient Temp: 22.0°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7551; ConvF(7.69, 7.69, 7.69) @ 1852.4 MHz; Calibrated: 9/19/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1333; Calibrated: 9/17/2019

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1792

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## Mode: UMTS 1900, Body SAR, Bottom Edge, Low.ch

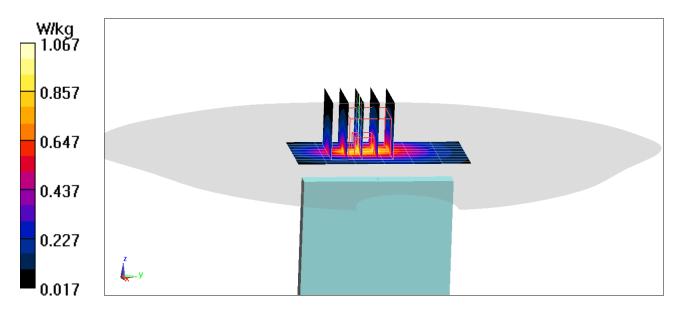
Area Scan (10x7x1): Measurement grid: dx=5mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.69 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.705 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01339

Communication System: UID 0, LTE Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1 Medium: 750 Body Medium parameters used (interpolated):  $f = 707.5 \text{ MHz}; \ \sigma = 0.941 \text{ S/m}; \ \epsilon_r = 53.117; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/29/2020; Ambient Temp: 21.5°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7551; ConvF(10.09, 10.09, 10.09) @ 707.5 MHz; Calibrated: 9/19/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1333; Calibrated: 9/17/2019

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1792

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

# Mode: LTE Band 12, Body SAR, Back side, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

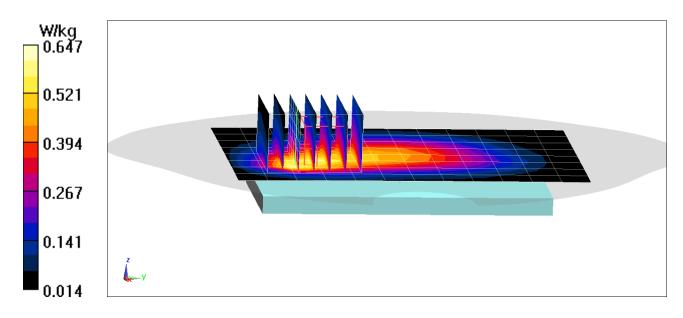
Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.46 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.773 W/kg

SAR(1 g) = 0.469 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01339

Communication System: UID 0, LTE Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1 Medium: 750 Body Medium parameters used (interpolated):  $f = 707.5 \text{ MHz}; \ \sigma = 0.941 \text{ S/m}; \ \epsilon_r = 53.117; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/29/2020; Ambient Temp: 21.5°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7551; ConvF(10.09, 10.09, 10.09) @ 707.5 MHz; Calibrated: 9/19/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1333; Calibrated: 9/17/2019

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1792

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

# Mode: LTE Band 12, Body SAR, Left Edge, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

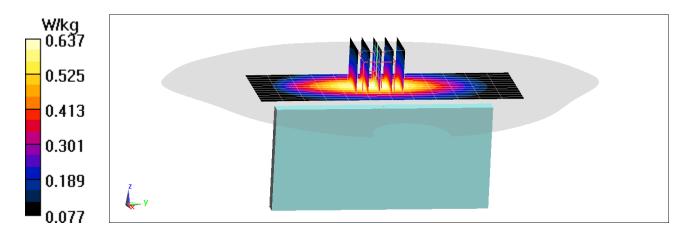
Area Scan (13x13x1): Measurement grid: dx=5mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.32 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.721 W/kg

SAR(1 g) = 0.488 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01339

Communication System: UID 0, LTE Band 14; Frequency: 793 MHz; Duty Cycle: 1:1 Medium: 750 Body Medium parameters used (interpolated):  $f = 793 \text{ MHz}; \ \sigma = 0.951 \text{ S/m}; \ \epsilon_r = 56.401; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/31/2020; Ambient Temp: 20.8°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7551; ConvF(10.09, 10.09, 10.09) @ 793 MHz; Calibrated: 9/19/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1333; Calibrated: 9/17/2019

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1792

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

# Mode: LTE Band 14, Body SAR, Back side, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

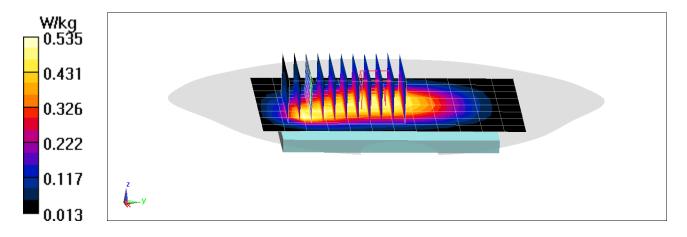
Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (9x11x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.76 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.649 W/kg

SAR(1 g) = 0.409 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01339

Communication System: UID 0, LTE Band 14; Frequency: 793 MHz; Duty Cycle: 1:1 Medium: 750 Body Medium parameters used (interpolated):  $f = 793 \text{ MHz}; \ \sigma = 0.951 \text{ S/m}; \ \epsilon_r = 56.401; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/31/2020; Ambient Temp: 20.8°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7551; ConvF(10.09, 10.09, 10.09) @ 793 MHz; Calibrated: 9/19/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1333; Calibrated: 9/17/2019

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1792

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

# Mode: LTE Band 14, Body SAR, Left Edge, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

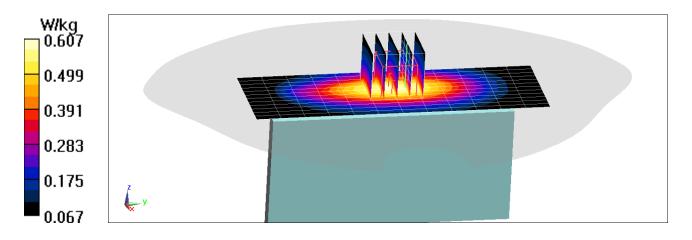
Area Scan (13x13x1): Measurement grid: dx=5mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.87 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.692 W/kg

SAR(1 g) = 0.468 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01321

Communication System: UID 0, LTE Band 5; Frequency: 836.5 MHz; Duty Cycle: 1:1 Medium: 835 Body Medium parameters used (interpolated):  $f = 836.5 \text{ MHz}; \ \sigma = 0.97 \text{ S/m}; \ \epsilon_r = 53.141; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/27/2020; Ambient Temp: 20.5°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7551; ConvF(9.92, 9.92, 9.92) @ 836.5 MHz; Calibrated: 9/19/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1333; Calibrated: 9/17/2019

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1792

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

# Mode: LTE Band 5 (Cell.), Body SAR, Back side, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

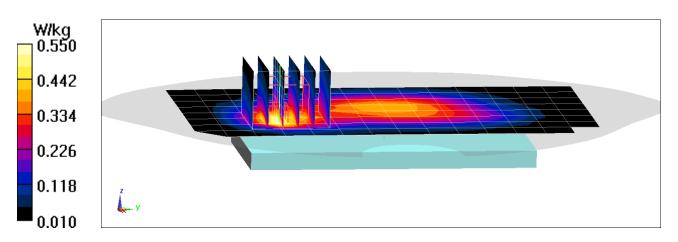
Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.52 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.683 W/kg

SAR(1 g) = 0.392 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01321

Communication System: UID 0, LTE Band 5 (Cell.); Frequency: 836.5 MHz; Duty Cycle: 1:1 Medium: 835 Body Medium parameters used (interpolated):  $f = 836.5 \text{ MHz}; \ \sigma = 0.97 \text{ S/m}; \ \epsilon_r = 53.141; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/27/2020; Ambient Temp: 20.5°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7551; ConvF(9.92, 9.92, 9.92) @ 836.5 MHz; Calibrated: 9/19/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1333; Calibrated: 9/17/2019

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1792

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

# Mode: LTE Band 5 (Cell.), Body SAR, Front side, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

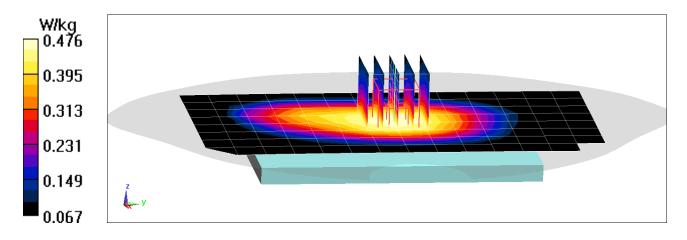
Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.24 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.523 W/kg

SAR(1 g) = 0.394 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01321

Communication System: UID 0, LTE Band 4 (AWS); Frequency: 1732.5 MHz; Duty Cycle: 1:1 Medium: 1750 Body Medium parameters used (interpolated):  $f = 1732.5 \text{ MHz}; \ \sigma = 1.472 \text{ S/m}; \ \epsilon_r = 55.158; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 02/10/2020; Ambient Temp: 21.5°C; Tissue Temp: 20.5°C

 $Probe: EX3DV4 - SN7357; ConvF(8.26, 8.26, 8.26) @ 1732.5 \ MHz; Calibrated: 4/24/2019 \\$ 

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1407; Calibrated: 4/18/2019

Phantom: Right Back Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1692 Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

# Mode: LTE Band 4 (AWS), Body SAR, Back side, Mid.ch, 20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset

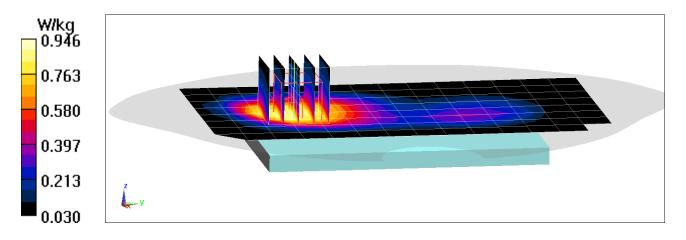
Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.42 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.705 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01321

Communication System: UID 0, LTE Band 4 (AWS); Frequency: 1732.5 MHz; Duty Cycle: 1:1 Medium: 1750 Body Medium parameters used (interpolated):  $f = 1732.5 \text{ MHz}; \ \sigma = 1.472 \text{ S/m}; \ \epsilon_r = 55.158; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 02/10/2020; Ambient Temp: 21.5°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7357; ConvF(8.26, 8.26, 8.26) @ 1732.5 MHz; Calibrated: 4/24/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1407; Calibrated: 4/18/2019

Phantom: Right Back Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1692 Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

# Mode: LTE Band 4 (AWS), Body SAR, Bottom Edge, Mid.ch, 20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset

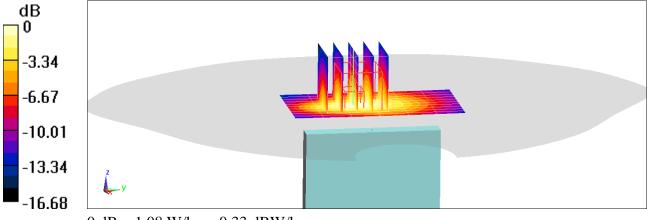
Area Scan (11x7x1): Measurement grid: dx=5mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.41 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.731 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01313

Communication System: UID 0, LTE Band 2 (PCS); Frequency: 1880 MHz; Duty Cycle: 1:1 Medium: 1900 Body Medium parameters used:  $f = 1880 \text{ MHz}; \ \sigma = 1.529 \text{ S/m}; \ \epsilon_r = 51.58; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/27/2020; Ambient Temp: 23.3°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7571; ConvF(7.56, 7.56, 7.56) @ 1880 MHz; Calibrated: 12/11/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1533; Calibrated: 12/5/2019 Phantom: SAM Left; Type: QD000P40CC; Serial: TP: 1375

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

# Mode: LTE Band 2 (PCS), Body SAR, Back side, Mid.ch, 20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset

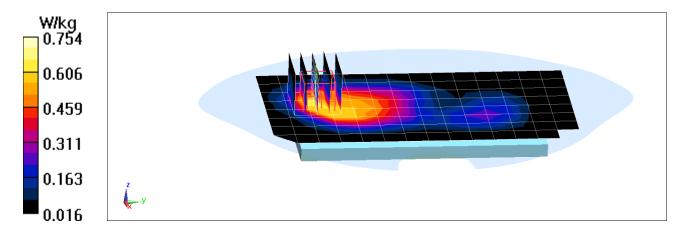
Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.53 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.874 W/kg

SAR(1 g) = 0.503 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01313

Communication System: UID 0, LTE Band 2 (PCS); Frequency: 1880 MHz; Duty Cycle: 1:1 Medium: 1900 Body Medium parameters used:  $f = 1880 \text{ MHz}; \ \sigma = 1.529 \text{ S/m}; \ \epsilon_r = 51.58; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/27/2020; Ambient Temp: 23.3°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7571; ConvF(7.56, 7.56, 7.56) @ 1880 MHz; Calibrated: 12/11/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1533; Calibrated: 12/5/2019

Phantom: SAM Left; Type: QD000P40CC; Serial: TP: 1375

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

# Mode: LTE Band 2 (PCS), Body SAR, Bottom Edge, Mid.ch, 20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset

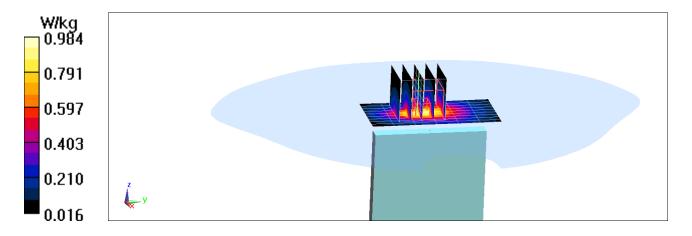
Area Scan (10x7x1): Measurement grid: dx=5mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.75 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.654 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01313

Communication System: UID 0, LTE Band 30; Frequency: 2310 MHz; Duty Cycle: 1:1 Medium: 2450 Body Medium parameters used:  $f = 2310 \text{ MHz}; \ \sigma = 1.856 \text{ S/m}; \ \epsilon_r = 52.019; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/27/2020; Ambient Temp: 20.5°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7410; ConvF(7.68, 7.68, 7.68) @ 2310 MHz; Calibrated: 7/16/2019 Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1322; Calibrated: 7/11/2019

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1630

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

# Mode: LTE Band 30, Body SAR, Back side, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

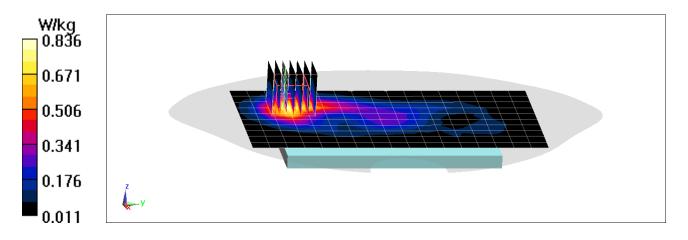
Area Scan (11x18x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.64 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.548 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01313

Communication System: UID 0, LTE Band 30; Frequency: 2310 MHz; Duty Cycle: 1:1 Medium: 2450 Body Medium parameters used:  $f = 2310 \text{ MHz}; \ \sigma = 1.856 \text{ S/m}; \ \epsilon_r = 52.019; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/27/2020; Ambient Temp: 20.5°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7410; ConvF(7.68, 7.68, 7.68) @ 2310 MHz; Calibrated: 7/16/2019 Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1322; Calibrated: 7/11/2019

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1630

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

# Mode: LTE Band 30, Body SAR, Bottom Edge, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

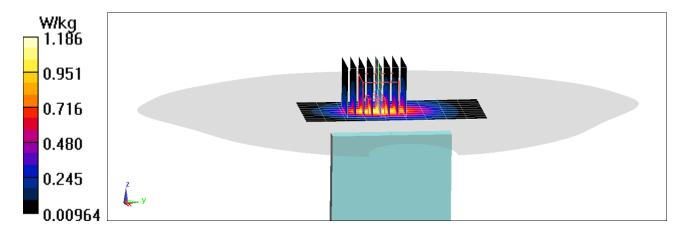
Area Scan (11x10x1): Measurement grid: dx=5mm, dy=12mm

Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.49 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.751 W/kg



### DUT: ZNFK300AM; Type: Portable Handset; Serial: 01255

Communication System: UID 0, 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1 Medium: 2450 Body Medium parameters used (interpolated):  $f = 2437 \text{ MHz}; \ \sigma = 2.026 \text{ S/m}; \ \epsilon_r = 51.547; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/27/2020; Ambient Temp: 20.5°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7410; ConvF(7.44, 7.44, 7.44) @ 2437 MHz; Calibrated: 7/16/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1322; Calibrated: 7/11/2019

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1630

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## Mode: IEEE 802.11b, 22 MHz Bandwidth, Body SAR, Ch 06, 1 Mbps, Back Side

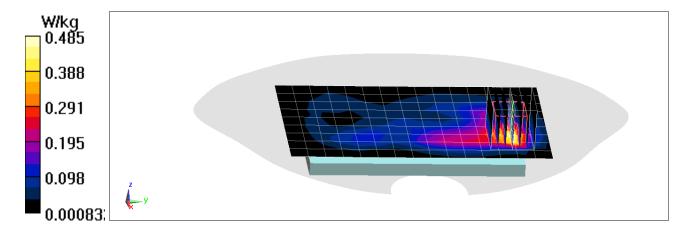
Area Scan (10x16x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.65 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.623 W/kg

SAR(1 g) = 0.288 W/kg



# APPENDIX B: SYSTEM VERIFICATION

### DUT: Dipole 750 MHz; Type: D750V3; Serial: 1161

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1 Medium: 700 Head Medium parameters used:  $f = 750 \text{ MHz}; \ \sigma = 0.883 \text{ S/m}; \ \epsilon_r = 41.32; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.5 cm

Test Date: 02/05/2020; Ambient Temp: 22.3°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7410; ConvF(9.95, 9.95, 9.95) @ 750 MHz; Calibrated: 7/16/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1322; Calibrated: 7/11/2019

Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1966

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 750 MHz System Verification at 23.0 dBm (200 mW)

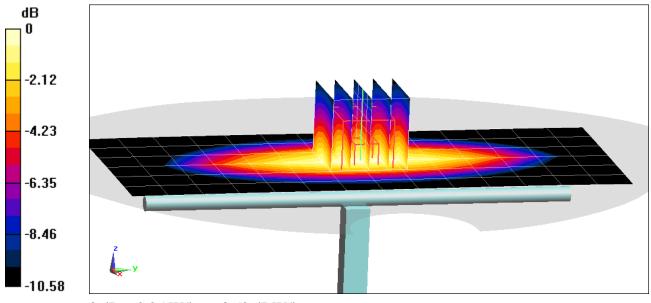
Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 2.50 W/kg

SAR(1 g) = 1.74 W/kg

Deviation(1 g) = 8.34%



0 dB = 2.25 W/kg = 3.52 dBW/kg

#### DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d133

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1 Medium: 835 Head Medium parameters used:  $f = 835 \text{ MHz}; \ \sigma = 0.916 \text{ S/m}; \ \epsilon_r = 40.063; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.5 cm

Test Date: 02/09/2020; Ambient Temp: 21.4°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7410; ConvF(9.88, 9.88, 9.88) @ 835 MHz; Calibrated: 7/16/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1322; Calibrated: 7/11/2019

Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1966

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

#### 835 MHz System Verification at 23.0 dBm (200 mW)

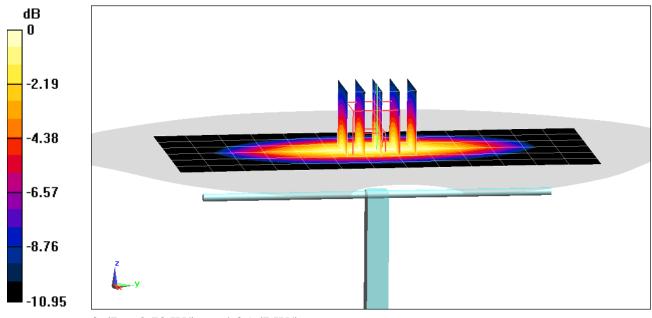
Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 3.06 W/kg

SAR(1 g) = 2.03 W/kg

Deviation(1 g) = 7.64%



0 dB = 2.72 W/kg = 4.35 dBW/kg

#### **DUT: Dipole 1750 MHz; Type: D1765V2; Serial: 1008**

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1 Medium: 1750 Head Medium parameters used:  $f = 1750 \text{ MHz}; \ \sigma = 1.364 \text{ S/m}; \ \epsilon_r = 39.913; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/29/2020; Ambient Temp: 21.7°C; Tissue Temp: 20.8°C

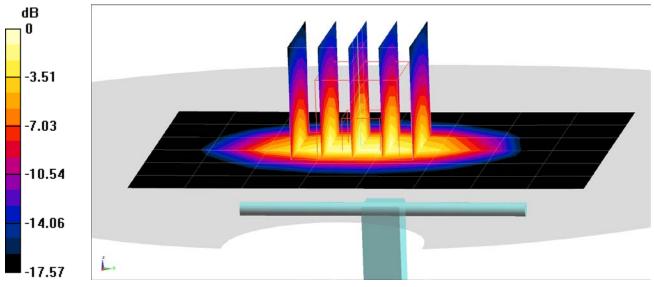
Probe: EX3DV4 - SN3914; ConvF(8.16, 8.16, 8.16) @ 1750 MHz; Calibrated: 2/19/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1272; Calibrated: 2/14/2019

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1646 Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

#### 1750 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mmZoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mmPeak SAR (extrapolated) = 7.14 W/kg SAR(1 g) = 3.83 W/kg Deviation(1 g) = 5.80%



0 dB = 5.97 W/kg = 7.76 dBW/kg

#### DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d148

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1 Medium: 1900 Head Medium parameters used:  $f = 1900 \text{ MHz}; \ \sigma = 1.436 \text{ S/m}; \ \epsilon_r = 39.218; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 02/03/2020; Ambient Temp: 21.9°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN7410; ConvF(8.11, 8.11, 8.11) @ 1900 MHz; Calibrated: 7/16/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1322; Calibrated: 7/11/2019

Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1966

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

#### 1900 MHz System Verification at 20.0 dBm (100 mW)

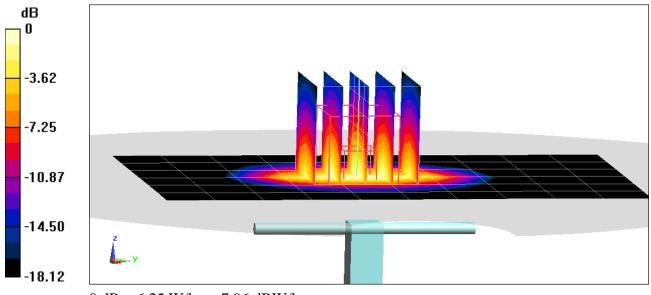
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 7.43 W/kg

SAR(1 g) = 4 W/kg

Deviation(1 g) = 2.30%



0 dB = 6.25 W/kg = 7.96 dBW/kg

#### **DUT: Dipole 2300 MHz; Type: D2300V2; Serial: 1073**

Communication System: UID 0, CW; Frequency: 2300 MHz; Duty Cycle: 1:1 Medium: 2450 Head Medium parameters used:  $f = 2300 \text{ MHz}; \ \sigma = 1.693 \text{ S/m}; \ \epsilon_r = 41.215; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/30/2020; Ambient Temp: 22.5°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7417; ConvF(7.73, 7.73, 7.73) @ 2300 MHz; Calibrated: 2/19/2019

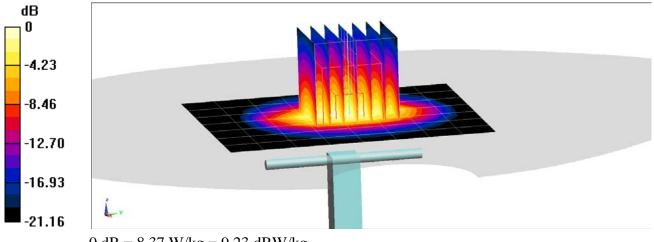
Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn665; Calibrated: 2/13/2019

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1647

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

#### 2300 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mmZoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mmPeak SAR (extrapolated) = 10.3 W/kg SAR(1 g) = 5.02 W/kg Deviation(1 g) = 2.03%



0 dB = 8.37 W/kg = 9.23 dBW/kg

#### DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 981

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1 Medium: 2450 Head Medium parameters used:  $f = 2450 \text{ MHz}; \ \sigma = 1.823 \text{ S/m}; \ \epsilon_r = 38.835; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 02/05/2020; Ambient Temp: 23.6°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN3589; ConvF(6.85, 6.85, 6.85) @ 2450 MHz; Calibrated: 1/21/2020

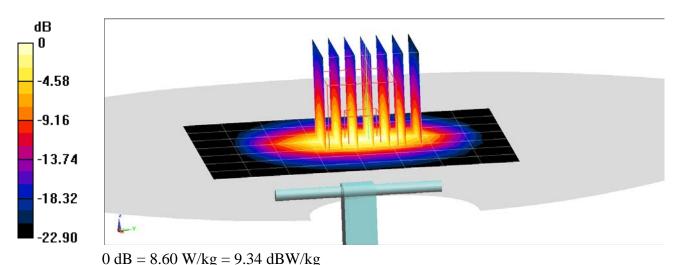
Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1558; Calibrated: 1/13/2020

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1647

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

#### 2450 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mmZoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mmPeak SAR (extrapolated) = 10.8 W/kg SAR(1 g) = 5.13 W/kg Deviation(1 g) = -1.91%



#### DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 981

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1 Medium: 2450 Head Medium parameters used:  $f = 2450 \text{ MHz}; \ \sigma = 1.847 \text{ S/m}; \ \epsilon_r = 39.584; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 02/08/2020; Ambient Temp: 22.2°C; Tissue Temp: 21.5°C

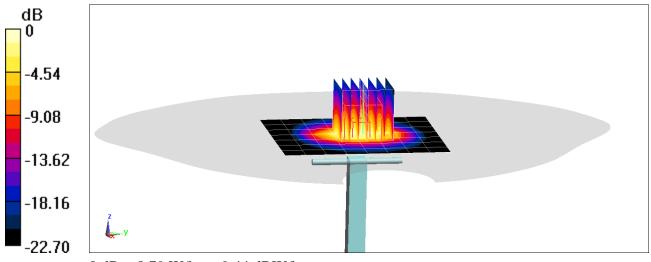
Probe: EX3DV4 - SN3589; ConvF(6.85, 6.85, 6.85) @ 2450 MHz; Calibrated: 1/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1558; Calibrated: 1/13/2020

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1647 Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

#### 2450 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mmZoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mmPeak SAR (extrapolated) = 11.1 W/kg SAR(1 g) = 5.24 W/kg Deviation(1 g) = 0.19%



0 dB = 8.79 W/kg = 9.44 dBW/kg

#### DUT: Dipole 750 MHz; Type: D750V3; Serial: 1161

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1 Medium: 750 Body; Medium parameters used:  $f = 750 \text{ MHz}; \ \sigma = 0.957 \text{ S/m}; \ \epsilon_r = 52.993; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.5 cm

Test Date: 01/29/2020; Ambient Temp: 21.5°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7551; ConvF(10.09, 10.09, 10.09) @ 750 MHz; Calibrated: 9/19/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1333; Calibrated: 9/17/2019

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1792

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

#### 750 MHz System Verification at 23.0 dBm (200 mW)

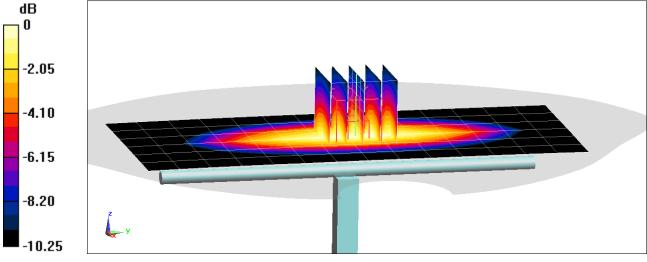
Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 2.68 W/kg

SAR(1 g) = 1.77 W/kg

Deviation(1 g) = 4.98%



0 dB = 2.36 W/kg = 3.73 dBW/kg

#### DUT: Dipole 750 MHz; Type: D750V3; Serial: 1161

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1 Medium: 750 Body; Medium parameters used:  $f = 750 \text{ MHz}; \ \sigma = 0.936 \text{ S/m}; \ \epsilon_r = 56.507; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.5 cm

Test Date: 01/31/2020; Ambient Temp: 20.8°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7551; ConvF(10.09, 10.09, 10.09) @ 750 MHz; Calibrated: 9/19/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1333; Calibrated: 9/17/2019

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1792

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

#### 750 MHz System Verification at 23.0 dBm (200 mW)

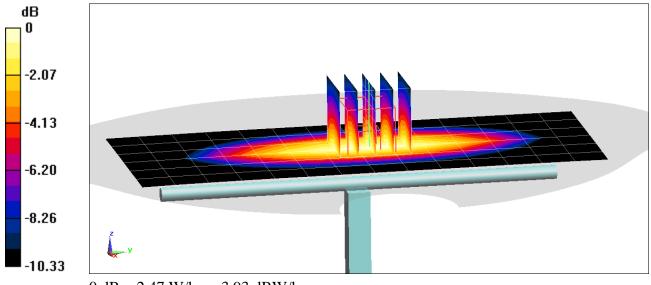
Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 2.83 W/kg

SAR(1 g) = 1.82 W/kg

Deviation(1 g) = 7.95%



0 dB = 2.47 W/kg = 3.93 dBW/kg

#### DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d133

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1 Medium: 835 Body; Medium parameters used:  $f = 835 \text{ MHz}; \ \sigma = 0.951 \text{ S/m}; \ \epsilon_r = 54.362; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.5 cm

Test Date: 01/23/2020; Ambient Temp: 23.1°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7551; ConvF(9.92, 9.92, 9.92) @ 835 MHz; Calibrated: 9/19/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1333; Calibrated: 9/17/2019

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1792

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

#### 835 MHz System Verification at 23.0 dBm (200 mW)

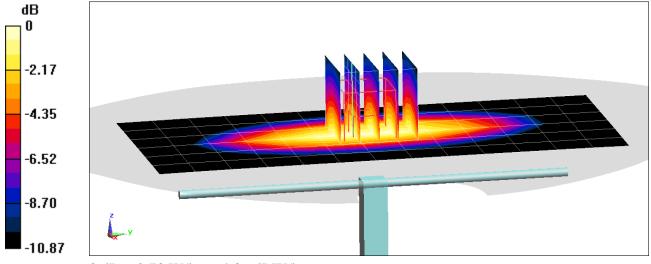
Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 3.14 W/kg

SAR(1 g) = 2 W/kg

Deviation(1 g) = 2.56%



0 dB = 2.73 W/kg = 4.36 dBW/kg

#### DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d047

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1 Medium: 835 Body; Medium parameters used:  $f = 835 \text{ MHz}; \ \sigma = 0.969 \text{ S/m}; \ \epsilon_r = 53.145; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.5 cm

Test Date: 01/27/2020; Ambient Temp: 20.5°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7551; ConvF(9.92, 9.92, 9.92) @ 835 MHz; Calibrated: 9/19/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1333; Calibrated: 9/17/2019

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1792

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

#### 835 MHz System Verification at 23.0 dBm (200 mW)

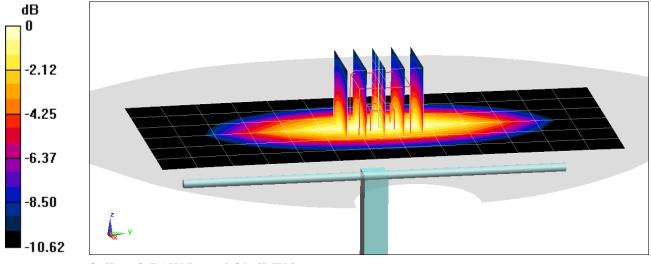
Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 3.13 W/kg

SAR(1 g) = 2.05 W/kg

Deviation(1 g) = 8.24%



0 dB = 2.75 W/kg = 4.39 dBW/kg

#### DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d047

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1 Medium: 835 Body; Medium parameters used:  $f = 835 \text{ MHz}; \ \sigma = 0.961 \text{ S/m}; \ \epsilon_r = 54.458; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.5 cm

Test Date: 01/31/2020; Ambient Temp: 22.8°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7406; ConvF(9.78, 9.78, 9.78) @ 835 MHz; Calibrated: 5/16/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn728; Calibrated: 5/8/2019

Phantom: Twin-SAM V5.0 Right 30; Type: QD 000 P40 CD; Serial: 1759 Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

### 835 MHz System Verification at 23.0 dBm (200 mW)

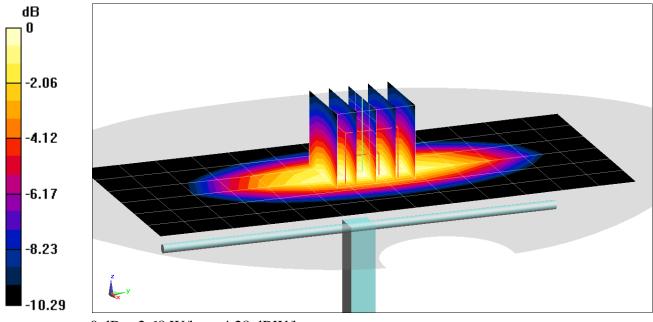
Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 3.03 W/kg

SAR(1 g) = 2.02 W/kg

Deviation(1 g) = 6.65%



0 dB = 2.68 W/kg = 4.28 dBW/kg

#### **DUT: Dipole 1750 MHz; Type: D1750V2; Serial: 1148**

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1 Medium: 1750 Body; Medium parameters used:  $f = 1750 \text{ MHz}; \ \sigma = 1.492 \text{ S/m}; \ \epsilon_r = 55.102; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 02/10/2020; Ambient Temp: 21.5°C; Tissue Temp: 20.5°C

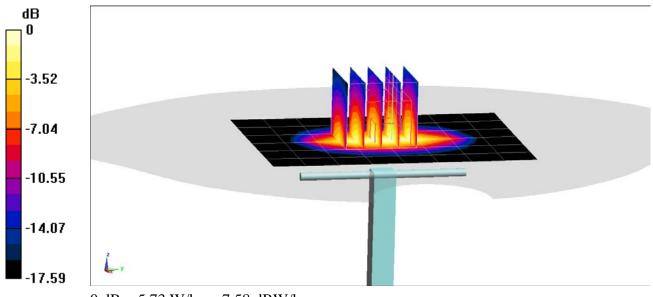
Probe: EX3DV4 - SN7357; ConvF(8.26, 8.26, 8.26) @ 1750 MHz; Calibrated: 4/24/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1407; Calibrated: 4/18/2019

Phantom: Right Back Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1692 Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

### 1750 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mmZoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mmPeak SAR (extrapolated) = 6.91 W/kg SAR(1 g) = 3.81 W/kg Deviation(1 g) = 1.06%



0 dB = 5.73 W/kg = 7.58 dBW/kg

#### DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d080

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1 Medium: 1900 Body; Medium parameters used:  $f = 1900 \text{ MHz}; \ \sigma = 1.576 \text{ S/m}; \ \epsilon_r = 51.912; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/21/2020; Ambient Temp: 22.0°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7551; ConvF(7.69, 7.69, 7.69) @ 1900 MHz; Calibrated: 9/19/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1333; Calibrated: 9/17/2019

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1792

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

### 1900 MHz System Verification at 20.0 dBm (100 mW)

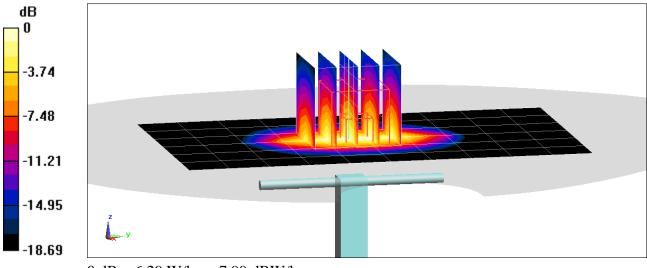
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 7.62 W/kg

SAR(1 g) = 4.01 W/kg

Deviation(1 g) = 2.30%



0 dB = 6.29 W/kg = 7.99 dBW/kg

#### DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d148

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1 Medium: 1900 Body Medium parameters used:  $f = 1900 \text{ MHz}; \ \sigma = 1.551 \text{ S/m}; \ \epsilon_r = 51.507; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/27/2020; Ambient Temp: 23.3°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7571; ConvF(7.56, 7.56, 7.56) @ 1900 MHz; Calibrated: 12/11/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1533; Calibrated: 12/5/2019

Phantom: SAM Left; Type: QD000P40CC; Serial: TP: 1375

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

#### 1900 MHz System Verification at 20.0 dBm (100 mW)

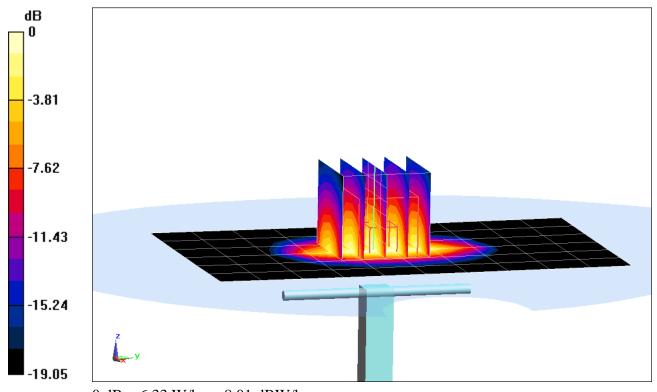
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 7.77 W/kg

SAR(1 g) = 4.21 W/kg

Deviation(1 g) = 7.67%



0 dB = 6.33 W/kg = 8.01 dBW/kg

#### DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d149

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1 Medium: 1900 Body Medium parameters used:  $f = 1900 \text{ MHz}; \ \sigma = 1.536 \text{ S/m}; \ \epsilon_r = 52.801; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 02/09/2020; Ambient Temp: 22.7°C; Tissue Temp: 24.7°C

Probe: EX3DV4 - SN7571; ConvF(7.56, 7.56, 7.56) @ 1900 MHz; Calibrated: 12/11/2019

Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1533; Calibrated: 12/5/2019 Phantom: SAM Left; Type: QD000P40CC; Serial: TP: 1375

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

### 1900 MHz System Verification at 20.0 dBm (100 mW)

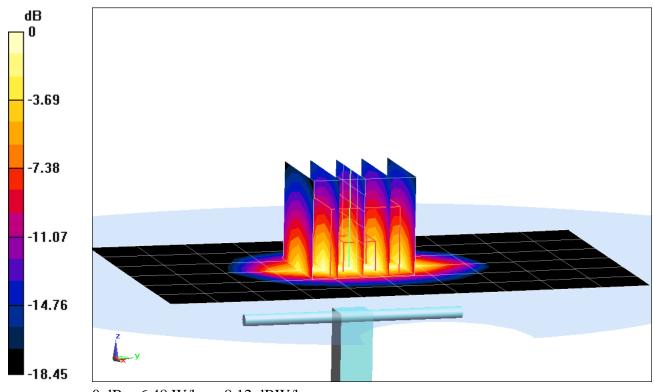
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 7.71 W/kg

SAR(1 g) = 4.22 W/kg

Deviation(1 g) = 7.11%



0 dB = 6.48 W/kg = 8.12 dBW/kg

#### **DUT: Dipole 2300 MHz; Type: D2300V2; Serial: 1073**

Communication System: UID 0, CW; Frequency: 2300 MHz; Duty Cycle: 1:1 Medium: 2450 Body Medium parameters used:  $f = 2300 \text{ MHz}; \ \sigma = 1.843 \text{ S/m}; \ \epsilon_r = 52.053; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/27/2020; Ambient Temp: 20.5°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7410; ConvF(7.68, 7.68, 7.68) @ 2300 MHz; Calibrated: 7/16/2019

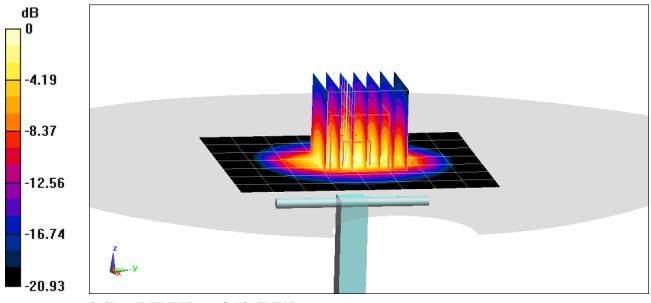
Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1322; Calibrated: 7/11/2019

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1630

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

### 2300 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mmZoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mmPeak SAR (extrapolated) = 9.50 W/kg SAR(1 g) = 4.85 W/kg Deviation(1 g) = 1.68%



0 dB = 7.77 W/kg = 8.90 dBW/kg

#### DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 981

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1 Medium: 2450 Body Medium parameters used:  $f = 2450 \text{ MHz}; \ \sigma = 2.043 \text{ S/m}; \ \epsilon_r = 51.497; \ \rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/27/2020; Ambient Temp: 20.5°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7410; ConvF(7.44, 7.44, 7.44) @ 2450 MHz; Calibrated: 7/16/2019

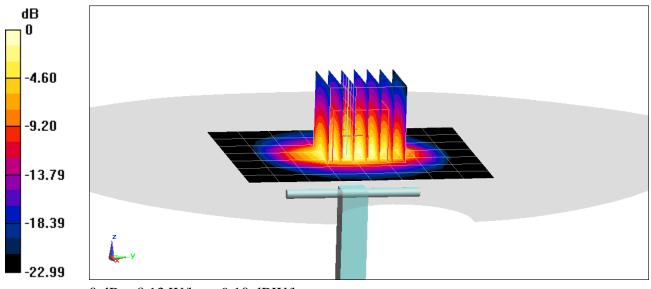
Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn1322; Calibrated: 7/11/2019

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1630

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

#### 2450 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mmZoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mmPeak SAR (extrapolated) = 10.2 W/kg SAR(1 g) = 4.89 W/kg Deviation(1 g) = -3.93%



0 dB = 8.13 W/kg = 9.10 dBW/kg

#### APPENDIX C: SAR TISSUE SPECIFICATIONS

Measurement Procedure for Tissue verification:

- 1) The network analyzer and probe system was configured and calibrated.
- 2) The probe was immersed in the tissue. The tissue was placed in a nonmetallic container. Trapped air bubbles beneath the flange were minimized by placing the probe at a slight angle.
- 3) The complex admittance with respect to the probe aperture was measured
- 4) The complex relative permittivity  $\epsilon$  can be calculated from the below equation (Pournaropoulos and Misra):

$$Y = \frac{j2\omega\varepsilon_{r}\varepsilon_{0}}{\left[\ln(b/a)\right]^{2}} \int_{a}^{b} \int_{a}^{b} \int_{0}^{\pi} \cos\phi' \frac{\exp\left[-j\omega r(\mu_{0}\varepsilon_{r}\varepsilon_{0})^{1/2}\right]}{r} d\phi' d\rho' d\rho$$

where Y is the admittance of the probe in contact with the sample, the primed and unprimed coordinates refer to source and observation points, respectively,  $r^2 = \rho^2 + \rho'^2 - 2\rho\rho'\cos\phi'$ ,  $\omega$  is the angular frequency, and  $j = \sqrt{-1}$ .

2.2 Mixtures Description: Aqueous solution with	surfactants and inhibitors	
Declarable, or hazardous compon		
CAS: 107-21-1	Ethanediol	>1.0-4.9%
EINECS: 203-473-3	STOT RE 2, H373;	
Reg.nr.: 01-2119456816-28-0000	Acute Tox. 4, H302	
CAS: 68608-26-4	Sodium petroleum sulfonate	< 2.9%
EINECS: 271-781-5	Eye Irrit. 2, H319	
Reg.nr.: 01-2119527859-22-0000		
CAS: 107-41-5	Hexylene Glycol / 2-Methyl-pentane-2,4-diol	< 2.9%
EINECS: 203-489-0	Skin Irrit. 2, H315; Eye Irrit. 2, H319	
Reg.nr.: 01-2119539582-35-0000	_	
CAS: 68920-66-1	Alkoxylated alcohol, > C <sub>16</sub>	< 2.0%
NLP: 500-236-9	Aquatic Chronic 2, H411;	
Reg.nr.: 01-2119489407-26-0000	Skin Irrit. 2, H315; Eye Irrit. 2, H319	
Additional information:	<del>.</del>	
or the wording of the listed risk phra	ases refer to section 16.	
lot mentioned CAS-, EINECS- or re	gistration numbers are to be regarded as Proprietary	Confidential.
he specific chemical identity and/or	exact percentage concentration of proprietary compo	onents is
vithheld as a trade secret.		

#### Figure C-1

Note: Liquid recipes are proprietary SPEAG. Since the composition is approximate to the actual liquids utilized, the manufacturer tissue-equivalent liquid data sheets are provided below.

FCC ID: ZNFK300AM	<u>@</u> \PCTEST	SAR EVALUATION REPORT	<b>(</b> LG	Approved by:  Quality Manager
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TSL dielectric parameters measured using calibrated DAK probe.

#### Target Parameters

Target parameters as defined in the KDB 865664 compliance standard.

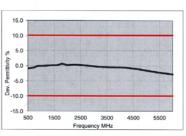
#### Test Condition

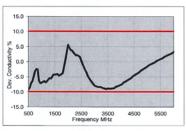
Ambient Condition 22°C; 30% humidity

TSL Temperature 22°C Test Date 30-Oct-18 Operator CL
Additional Information
TSL Density

TSL Heat-capacity

	Measu	ired		Targe	t	Diff.to Targ	get [%]
f [MHz]	0'	е"	sigma	eps	sigma	Δ-eps	Δ-sigma
800	55.1	21.3	0.95	55.3	0.97	-0.4	-2.1
825	55.1	20.8	0.96	55.2	0.98	-0.3	-2.0
835	55.1	20.6	0.96	55.1	0.99	0.0	-2.5
850	55.1	20.4	0.96	55.2	0.99	-0.1	-3.0
900	55.0	19.7	0.98	55.0	1.05	0.0	-6.7
1400	54.2	15.6	1.22	54.1	1.28	0.2	-4.7
1450	54.1	15.4	1.24	54.0	1.30	0.2	-4.6
1500	54.1	15.3	1.27	53.9	1.33	0.3	-4.5
1550	54.0	15.1	1.30	53.9	1.36	0.2	-4.4
1600	53.9	15.0	1.33	53.8	1.39	0.2	-4.3
1625	53.9	14.9	1.35	53.8	1.41	0.3	-4.3
1640	53.9	14.9	1.36	53.7	1.42	0.3	-4.2
1650	53.8	14.9	1.36	53.7	1.43	0.2	-4.9
1700	53.8	14.8	1.40	53.6	1.46	0.4	-4.1
1750	53.7	14.7	1.43	53.4	1.49	0.5	-4.0
1800	53.7	14.6	1.46	53.3	1.52	0.8	-3.9
1810	53.7	14.6	1.47	53.3	1.52	0.8	-3.3
1825	53.7	14.6	1.48	53.3	1.52	0.8	-2.6
1850	53.6	14.5	1.50	53.3	1.52	0.6	-1.3
1900	53.5	14.5	1.53	53.3	1.52	0.4	0.7
1950	53.5	14.5	1.57	53.3	1.52	0.4	3.3
2000	53.4	14.4	1.60	53.3	1.52	0.2	5.3
2050	53.4	14.4	1.64	53.2	1.57	0.3	4.5
2100	53.3	14.4	1.68	53.2	1.62	0.2	3.7
2150	53.3	14.4	1.72	53.1	1.66	0.4	3.6
2200	53.2	14.4	1.76	53.0	1.71	0.3	2.9
2250	53.1	14.4	1.81	53.0	1.76	0.2	2.8
2300	53.1	14.4	1.85	52.9	1.81	0.4	2.2
2350	53.0	14.5	1.89	52.8	1.85	0.3	2.2
2400	52.9	14.5	1.94	52.8	1.90	0.2	2.1
2450	52.9	14.5	1.98	52.7	1.95	0.4	1.5
2500	52.8	14.6	2.03	52.6	2.02	0.3	0.5
2550	52.7	14.6	2.07	52.6	2.09	0.2	-1.0





3500	51.1	15.5	3.02	51.3	3.31	-0.4	-8.8
3700	50.8	15.7	3.24	51.1	3.55	-0.5	-8.8
5200	48.1	18.2	5.27	49.0	5.30	-1.8	-0.6
5250	48.0	18.3	5.34	49.0	5.36	-1.9	-0.4
5300	47.9	18.4	5.41	48.9	5.42	-2.0	-0.2
5500	47.5	18.6	5.70	48.6	5.65	-2.2	8.0
5600	47.3	18.8	5.84	48.5	5.77	-2.3	1.3
5700	47.1	18.9	5.99	48.3	5.88	-2.5	1.8
5800	47.0	19.0	6.14	48.2	6.00	-2.6	2.3

Figure C-2 600 – 5800 MHz Body Tissue Equivalent Matter

	FCC ID: ZNFK300AM	PCTEST	SAR EVALUATION REPORT	(LG	Approved by: Quality Manager
	Test Dates:	DUT Type:			APPENDIX C:
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Zeughausstrasse 43, 8004 Zurich, Switzerland Phone +41 44 245 9700, Fax +41 44 245 9779 info@speag.com, http://www.speag.com

#### Measurement Certificate / Material Test

Head Tissue Simulating Liquid (HBBL600-10000V6) SL AAH U16 BC (Batch: 181031-2) Product No. Manufacturer SPEAG

#### Measurement Method

TSL dielectric parameters measured using calibrated DAK probe.

#### Target Parameters

Target parameters as defined in the IEEE 1528 and IEC 62209 compliance standards.

Test Condition Ambient Condition 22°C; 30% humidity

TSL Temperature 22°C Test Date 31-Oct-18 Operator CL

Additional Information

TSL Density TSL Heat-capacity

	Meas	ured	1	Targe	et	Diff.to Tar	get [%]
f [MHz]	e'	е"	sigma	eps	sigma		Δ-sigma
800	43.8	20.5	0.91	41.7	0.90	5.1	1.4
825	43.8	20.1	0.92	41.6	0.91	5.3	1.5
835	43.8	19.9	0.93	41.5	0.91	5.4	2.0
850	43.7	19.7	0.93	41.5	0.92	5.3	1.5
900	43.5	18.9	0.95	41.5	0.97	4.8	-2.1
1400	42.5	15.0	1.17	40.6	1.18	4.7	-0.8
1450	42.5	14.8	1.19	40.5	1.20	4.9	-0.8
1600	42.2	14.3	1.27	40.3	1.28	4.7	-1.1
1625	42.2	14.2	1.29	40.3	1.30	4.8	-0.7
1640	42.2	14.2	1.30	40.3	1.31	4.8	-0.5
1650	42.1	14.2	1.30	40.2	1.31	4.6	-1.0
1700	42.1	14.0	1.33	40.2	1.34	4.8	-0.9
1750	42.0	13.9	1.36	40.1	1.37	4.8	-0.8
1800	41.9	13.9	1.39	40.0	1.40	4.7	-0.7
1810	41.9	13.8	1.40	40.0	1.40	4.7	0.0
1825	41.9	13.8	1.41	40.0	1.40	4.7	0.7
1850	41.8	13.8	1.42	40.0	1.40	4.5	1.4
1900	41.8	13.7	1.45	40.0	1.40	4.5	3.6
1950	41.7	13.7	1.48	40.0	1.40	4.3	5.7
2000	41.6	13.6	1.51	40.0	1.40	4.0	7.9
2050	41.6	13.6	1.55	39.9	1.44	4.2	7.3
2100	41.5	13.5	1.58	39.8	1.49	4.2	6.1
2150	41.4	13.5	1.62	39.7	1.53	4.2	5.7
2200	41.4	13.5	1.65	39.6	1.58	4.4	4.6
2250	41.3	13.5	1.69	39.6	1.62	4.4	4.2
2300	41.2	13.5	1.72	39.5	1.67	4.4	3.2
2350	41.1	13.5	1.76	39.4	1.71	4.4	2.9
2400	41.1	13.5	1.80	39.3	1.76	4.6	2.5
2450	41.0	13.5	1.84	39.2	1.80	4.6	2.2
2500	40.9	13.5	1.88	39.1	1.85	4.5	1.4
2550	40.8	13.5	1.92	39.1	1.91	4.4	0.6
2600	40.8	13.6	1.96	39.0	1.96	4.6	-0.2
3500	39.2	14.1	2.74	37.9	2.91	3.3	-5.8
3700	38.9	14.2	2.93	37.7	3.12	3.1	-6.1

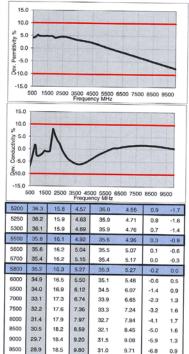


Figure C-3 600 - 5800 MHz Head Tissue Equivalent Matter

FCC ID: ZNFK300AM	<u>ENPOTEST</u>	SAR EVALUATION REPORT	(LG	Approved by:  Quality Manager
Test Dates:	DUT Type:			APPENDIX C:
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#### APPENDIX D: SAR SYSTEM VALIDATION

Per FCC KDB Publication 865664 D02v01r02, SAR system validation status should be documented to confirm measurement accuracy. The SAR systems (including SAR probes, system components and software versions) used for this device were validated against its performance specifications prior to the SAR measurements. Reference dipoles were used with the required tissue- equivalent media for system validation, according to the procedures outlined in FCC KDB Publication 865664 D01v01r04 and IEEE 1528-2013. Since SAR probe calibrations are frequency dependent, each probe calibration point was validated at a frequency within the valid frequency range of the probe calibration point, using the system that normally operates with the probe for routine SAR measurements and according to the required tissue-equivalent media.

A tabulated summary of the system validation status including the validation date(s), measurement frequencies, SAR probes and tissue dielectric parameters has been included.

Table D-1
SAR System Validation Summary – 1g

	OAN Cystem valuation cummary 19													
SAR	From					Cond.	Perm.	C	W VALIDATIO	ON	MOI	D. VALIDATIO	N	
System	Freq. (MHz)	Date	Probe SN	Probe	e Cal Point	(σ)	erm. (εr)	SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR	
L	750	9/24/2019	7410	750	Head	0.878	42.471	PASS	PASS	PASS	N/A	N/A	N/A	
L	835	9/24/2019	7410	835	Head	0.911	42.199	PASS	PASS	PASS	GMSK	PASS	N/A	
D	1750	5/24/2019	3914	1750	Head	1.366	41.075	PASS	PASS	PASS	N/A	N/A	N/A	
L	1900	9/24/2019	7410	1900	Head	1.442	39.947	PASS	PASS	PASS	GMSK	PASS	N/A	
E	2300	9/6/2019	7417	2300	Head	1.737	39.748	PASS	PASS	PASS	N/A	N/A	N/A	
E	2450	2/5/2020	3589	2450	Head	1.823	38.835	PASS	PASS	PASS	OFDM/TDD	PASS	PASS	
P	750	9/26/2019	7551	750	Body	0.959	54.287	PASS	PASS	PASS	N/A	N/A	N/A	
P	835	9/26/2019	7551	835	Body	0.991	54.104	PASS	PASS	PASS	GMSK	PASS	N/A	
Н	835	1/6/2020	7406	835	Body	0.978	54.174	PASS	PASS	PASS	GMSK	PASS	N/A	
I	1750	5/21/2019	7357	1750	Body	1.442	55.384	PASS	PASS	PASS	N/A	N/A	N/A	
P	1900	10/8/2019	7551	1900	Body	1.542	51.76	PASS	PASS	PASS	GMSK	PASS	N/A	
J	1900	1/1/2020	7571	1900	Body	1.579	51.919	PASS	PASS	PASS	GMSK	PASS	N/A	
L	2300	8/15/2019	7410	2300	Body	1.855	52.705	PASS	PASS	PASS	N/A	N/A	N/A	
L	2450	8/15/2019	7410	2450	Body	2.018	52.505	PASS	PASS	PASS	OFDM/TDD	PASS	PASS	

NOTE: While the probes have been calibrated for both CW and modulated signals, all measurements were performed using communication systems calibrated for CW signals only. Modulations in the table above represent test configurations for which the measurement system has been validated per FCC KDB Publication 865664 D01v01r04 for scenarios when CW probe calibrations are used with other signal types. SAR systems were validated for modulated signals with a periodic duty cycle, such as GMSK, or with a high peak to average ratio (>5 dB), such as OFDM according to FCC KDB Publication 865664 D01v01r04.

FCC ID: ZNFK300AM	PCTEST	SAR EVALUATION REPORT	(†) LG	Approved by:  Quality Manager	
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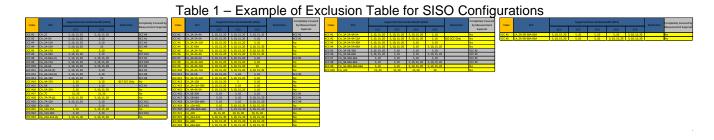
#### APPENDIX F: DOWNLINK LTE CA RF CONDUCTED POWERS

#### 1.1 LTE Downlink Only Carrier Aggregation Test Reduction Methodology

SAR test exclusion for LTE downlink Carrier Aggregation is determined by power measurements according to the number of component carriers (CCs) supported by the product implementation. Per April 2018 TCBC Workshop Notes, the following test reduction methodology was applied to determine the combinations required for conducted power measurements.

#### LTE DLCA Test Reduction Methodology:

- The supported combinations were arranged by the number of component carriers in columns.
- Any limitations on the PCC or SCC for each combination were identified alongside the combination (e.g. CA\_2A-2A-4A-12A, but B12 can only be configured as a SCC).
- Power measurements were performed for "supersets" (LTE CA combinations with multiple components carriers) and any "subsets" (LTE CA combinations with fewer component carriers) that were not completely covered by the supersets.
- Only subsets that have the exact same components as a superset were excluded for measurement.
- When there were certain restrictions on component carriers that existed in the superset that were not applied for the subset, the subset configuration was additionally evaluated.
- Both inter-band and intra-band downlink carrier aggregation scenarios were considered.



FCC ID: ZNFK300AM	SAR EVALUATION REPORT	<b>(</b> LG	Reviewed by: Quality Manager
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#### 1.2 LTE Downlink Only Carrier Aggregation Test Selection and Setup

SAR test exclusion for LTE downlink Carrier Aggregation is determined by power measurements according to the number component carriers (CCs) supported by the product implementation. For those configurations required by April 2018 TCBC Workshop Notes, conducted power measurements with LTE Carrier Aggregation (CA) (downlink only) active are made in accordance to KDB Publication 941225 D05Av01r02. The RRC connection is only handled by one cell, the primary component carrier (PCC) for downlink and uplink communications. After making a data connection to the PCC, the UE device adds secondary component carrier(s) (SCC) on the downlink only. All uplink communications and acknowledgements remain identical to specifications when downlink carrier aggregation is inactive on the PCC. Additional conducted output powers are measured with the downlink carrier aggregation active for the configuration with highest measured maximum conducted power with downlink carrier aggregation inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band.

Per FCC KDB Publication 941225 D05Av01r02, no SAR measurements are required for carrier aggregation configurations when the maximum average output power with downlink only carrier aggregation active is not more than 0.25 dB higher than the average output power with downlink only carrier aggregation inactive. All bands required for SAR testing per FCC KDB procedures were considered. Based on the measured maximum powers below, no additional SAR tests were required for DLCA SAR configurations.

General PCC and SCC configuration selection procedure

- PCC uplink channel, channel bandwidth, modulation and RB configurations were selected based on section C)3)b)ii) of KDB 941225 D05 V01r02. The downlink PCC channel was paired with the selected PCC uplink channel according to normal configurations without carrier aggregation.
- To maximize aggregated bandwidth, highest channel bandwidth available for that CA combination was selected for SCC. For inter-band CA, the SCC downlink channels were selected near the middle of their transmission bands. For contiguous intra-band CA, the downlink channel spacing between the component carriers was set to multiple of 300 kHz less than the nominal channel spacing defined in section 5.4.1A of 3GPP TS 36.521. For non-contiguous intra-band CA, the downlink channel spacing between the component carriers was set to be larger than the nominal channel spacing and provided maximum separation between the component carriers.
- All selected PCC and SCC(s) remained fully within the uplink/downlink transmission band of the respective component carrier.



Figure 1
DL CA Power Measurement Setup

FCC ID: ZNFK300AM	PCTEST	SAR EVALUATION REPORT	LG	Reviewed by: Quality Manager	
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### 1.3 Downlink Carrier Aggregation RF Conducted Powers

#### 1.3.1 LTE Band 12 as PCC

## Table 1 Maximum Output Powers

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_12A-30A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B30	10	9820	2355	24.80	24.55
CA_2A-12A (1)	LTE B12	3	23095	707.5	QPSK	1	7	5095	737.5	LTE B2	20	900	1960	24.85	24.72

#### 1.3.2 LTE Band 5 as PCC

Table 2
Maximum Output Powers

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-5A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B2	20	900	1960	24.62	24.56
CA_5A-30A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B30	10	9820	2355	24.59	24.56

FCC ID: ZNFK300AM	<u> PCTEST</u>	SAR EVALUATION REPORT	<b>(</b> LG	Reviewed by:  Quality Manager
Test Dates:	DUT Type:			APPENDIX F:
01/21/20 – 2/10/20	Portable Handset			Page 3 of 4

### 1.3.3 LTE Band 2 as PCC

## Table 3 Maximum Output Powers

		Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
	Ī	CA_2A-29A	LTE B2	10	19150	1905	QPSK	1	25	1150	1985	LTE B29	10	9715	722.5	24.80	24.63
CA_2A-29A LTE B2 10 19150 1905 QPSK 1 25 1150 1985 LTE B29 10 9715 722.5 24.80 24.63	Ī	CA_2A-29A (2)	LTE B2	10	19150	1905	QPSK	1	25	1150	1985	LTE B29	10	9715	722.5	24.80	24.63
	ſ	CA_2A-5A	LTE B2	10	19150	1905	QPSK	1	25	1150	1985	LTE B5	10	2525	881.5	24.74	24.63

#### 1.3.4 LTE Band 30 as PCC

### Table 4 Maximum Output Powers

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_12A-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B12	10	5095	737.5	23.55	23.84
CA_29A-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B29	10	9715	722.5	23.70	23.84
CA_5A-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B5	10	2525	881.5	23.87	23.84

FCC ID: ZNFK300AM	PCTEST	SAR EVALUATION REPORT	<b>(</b> LG	Reviewed by:  Quality Manager
Test Dates:	DUT Type:			APPENDIX F:
01/21/20 – 2/10/20	Portable Handset			Page 4 of 4

### APPENDIX G: PROBE AND DIPOLE CALIBRATION CERTIFICATES

#### Calibration Laboratory of Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
Servizio svizzero di taratura
Swiss Calibration Service

Accreditation No.: SCS 0108

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

Client

**PC Test** 

Certificate No: EX3-3589\_Jan20

### CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:3589

Calibration procedure(s)

QA CAL-01.v9, QA CAL-23.v5, QA CAL-25.v7 Calibration procedure for dosimetric E-field probes

BN 02-2020

Calibration date:

January 21, 2020

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 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	1D	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	03-Apr-19 (No. 217-02892/02893)	Apr-20
Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Apr-20
Power sensor NRP-Z91	SN: 103245	03-Apr-19 (No. 217-02893)	Apr-20
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-19 (No. 217-02894)	Apr-20
DAE4	SN: 660	27-Dec-19 (No. DAE4-660_Dec19)	Dec-20
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec19)	Dec-20
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-19)	In house check: Oct-20

Calibrated by:

Leif Klysner

Laboratory Technician

Approved by:

Katja Pokovic

Technical Manager

Issued: January 21, 2020

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

### Calibration Laboratory of

Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland





Schweizerischer Kalibrierdienst Service suisse d'étalonnage Servizio svizzero di taratura Swiss Calibration Service

Accreditation No.: SCS 0108

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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

Glossary:

TSL NORMx,y,z tissue simulating liquid sensitivity in free space

ConvF DCP sensitivity in TSL / NORMx,y,z diode compression point

CF A, B, C, D crest factor (1/duty\_cycle) of the RF signal modulation dependent linearization parameters

Polarization φ

φ rotation around probe axis

Polarization 9

9 rotation around an axis that is in the plane normal to probe axis (at measurement center),

i.e., 9 = 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:

 a) 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

b) IEC 62209-1, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from handheld and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016

c) 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

d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

#### Methods Applied and Interpretation of Parameters:

 NORMx,y,z: Assessed for E-field polarization θ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E²-field uncertainty inside TSL (see below ConvF).

NORM(f)x,y,z = NORMx,y,z \* 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.

DCPx,y,z: 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

• Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: 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 ≤ 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 NORMx,y,z \* 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 ± 50 MHz to ± 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 NORMx (no uncertainty required).

### DASY/EASY - Parameters of Probe: EX3DV4 - SN:3589

**Basic Calibration Parameters** 

EX3DV4 - SN:3589

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm $(\mu V/(V/m)^2)^A$	0.44	0.40	0.39	± 10.1 %
DCP (mV) <sup>B</sup>	101.5	97.7	97.9	

UID	ion Results for Modulation Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc <sup>E</sup> (k=2)
0	CW	Х	0.00	0.00	1.00	00,0	138.1	± 3.5 %	± 4.7 %
		Υ	0.00	0.00	1.00		148.9	1	
		Z	0.00	0.00	1.00		137.1		
10352-	Pulse Waveform (200Hz, 10%)	Х	20.00	93.40	23.88	10.00	60.0	± 1.9 %	± 9.6 %
AAA	, , , , , , , , , , , , , , , , , , , ,	Y	20.00	90.04	21.55		60.0		
		Z	20.00	93.40	23.50		60.0		
10353-	Pulse Waveform (200Hz, 20%)	X	20.00	93.53	22.66	6.99	80.0	± 1.0 %	± 9.6 %
AAA		Y	20.00	90.11	20.16		80.0		
		Z	20.00	93.36	22.20		80.0		
10354-	Pulse Waveform (200Hz, 40%)	X	20.00	95.38	22.01	3.98	95.0	± 1.0 %	± 9.6 %
AAA	· ·	Υ	20.00	88.87	17.82		95.0		
		Z	20.00	94.79	21.35		95.0		
10355-	Pulse Waveform (200Hz, 60%)	X	20.00	102.43	23.98	2.22	120.0	± 1.1 %	± 9.6 %
AAA	· · ·	Υ	20.00	86.64	15.26	<u> </u>	120.0		
		Z	20.00	97.99	21.51		120.0		
10387-	QPSK Waveform, 1 MHz	X	0.93	64.33	11.56	0.00	150.0	± 3.3 %	± 9.6 %
AAA		Y	0.54	60.00	7.11		150.0	]	
		Z	0.68	61.48	9.17		150.0		
10388-	QPSK Waveform, 10 MHz	X	2.38	69.01	16.27	0.00	150.0	± 1.3 %	± 9.6 %
AAA		Υ	2.02	66.96	14.92	]	150.0	]	
		Z	2.15	67.54	15.53		150.0		
10396-	64-QAM Waveform, 100 kHz	X	3.79	73.46	20.06	3.01	150.0	± 0.6 %	± 9.6 %
AAA		Υ	3.12	69.91	18.24	]	150.0		
		Z	4.11	75.05	20.59		150.0		
10399-	64-QAM Waveform, 40 MHz	X	3.59	67.56	16.03	0.00	150.0	± 2.5 %	± 9.6 %
AAA		Y	3.37	66.67	15.43	1	150.0	1	1
		Z	3.46	66.93	15.67		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	Χ	4.95	65.82	15.63	0,00	150.0	± 4.6 %	± 9.6 %
AAA		Υ	4.77	65.46	15.41		150.0		
		Z	4.80	65.52	15.45		150.0	ļ	

Note: For details on UID parameters see Appendix

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%.

A The uncertainties of Norm X,Y,Z do not affect the E<sup>2</sup>-field uncertainty inside TSL (see Pages 5 and 6).
 B Numerical linearization parameter: uncertainty not required.
 E 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:3589

**Sensor Model Parameters** 

EX3DV4-SN:3589

	C1 fF	C2 fF	α V <sup>-1</sup>	T1 ms.V⁻²	T2 ms.V <sup>-1</sup>	T3 ms	T4 V <sup>-2</sup>	T5 V <sup>-1</sup>	Т6
Х	52.5	386.65	34.73	26.61	1.15	5.10	1.30	0.45	1.01
Υ	44.4	339.10	36.93	20.74	1.47	5.06	0.00	0.71	1.01
Z	44.1	325.90	34.85	22.88	1.09	5.07	1.71	0.36	1.01

#### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	-32.6
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

### DASY/EASY - Parameters of Probe: EX3DV4 - SN:3589

#### 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	8.70	8.70	8.70	0.38	1.00	± 12.0 %
835	41.5	0.90	8.58	8.58	8.58	0.47	0.80	± 12.0 %
1750	40.1	1.37	7.55	7.55	7.55	0.52	0.87	± 12.0 %
1900	40.0	1.40	7.25	7.25	7.25	0.43	0.87	± 12.0 %
2300	39.5	1.67	7.11	7.11	7.11	0.45	0.86	± 12.0 %
2450	39.2	1.80	6.85	6.85	6.85	0.47	0.85	± 12.0 %
2600	39.0	1.96	6.60	6.60	6.60	0.41	0.86	± 12.0 %

<sup>&</sup>lt;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. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

<sup>6</sup> MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

F At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) 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 (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is

Galpha/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:3589

#### Calibration Parameter Determined in Body Tissue Simulating Media

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity (S/m) F	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k=2)
750	55.5	0.96	8.49	8.49	8.49	0.49	0.81	± 12.0 %
835	55.2	0.97	8.27	8.27	8.27	0.29	1.03	± 12.0 %
1750	53.4	1.49	6.93	6.93	6.93	0.41	0.87	± 12.0 %
1900	53.3	1.52	6.72	6.72	6.72	0.35	0.87	± 12.0 %
2300	52.9	1.81	6.62	6.62	6.62	0.34	0.86	± 12.0 %
2450	52.7	1.95	6.60	6.60	6.60	0.40	0.86	± 12.0 %
2600	52.5	2.16	6.35	6.35	6.35	0.37	0.90	± 12.0 %

<sup>&</sup>lt;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. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

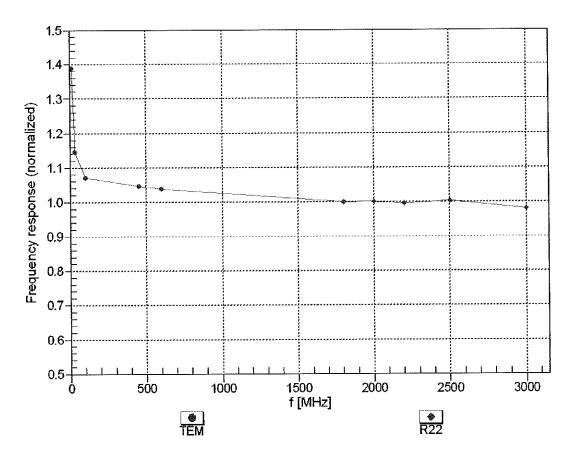
F At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to

measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 5%. 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 ± 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)

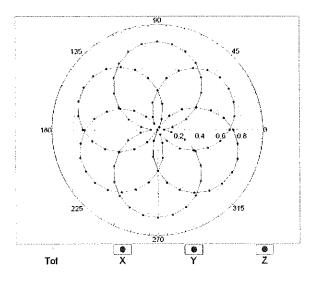


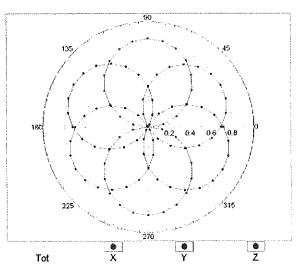
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

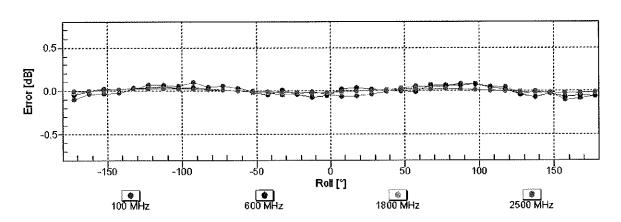
## Receiving Pattern ( $\phi$ ), $\theta = 0^{\circ}$

f=600 MHz,TEM

f=1800 MHz,R22

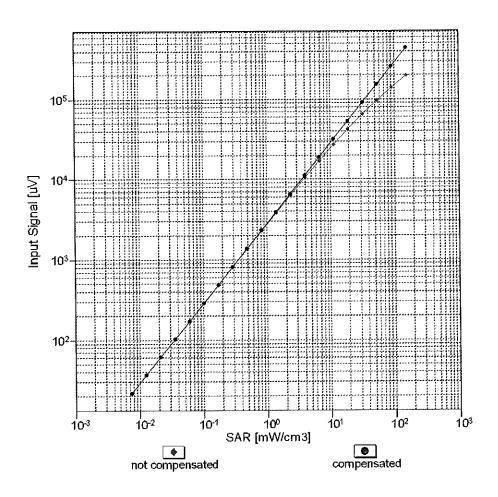


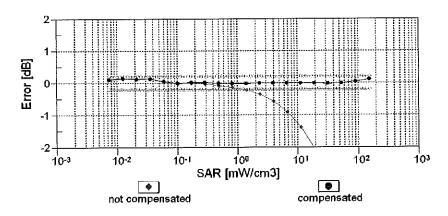




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

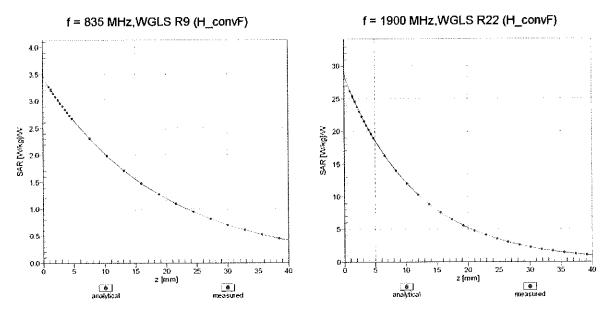
### Dynamic Range f(SAR<sub>head</sub>) (TEM ceil , f<sub>eval</sub>= 1900 MHz)



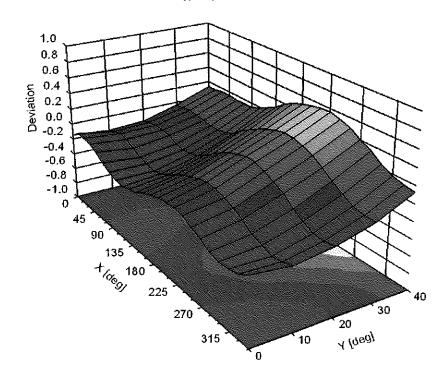


Uncertainty of Linearity Assessment: ± 0.6% (k=2)

### **Conversion Factor Assessment**



Deviation from Isotropy in Liquid Error (φ, 9), f = 900 MHz



# **Appendix: Modulation Calibration Parameters**

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> (k=2)
0		CW	CW	0.00	± 4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	± 9.6 %
10011	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6%
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	± 9.6 %
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6 %
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	± 9.6 %
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	± 9.6 %
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	± 9.6 %
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6%
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6%
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6%
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	± 9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	± 9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	± 9.6 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	± 9.6 %
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	± 9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	± 9.6 %
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	± 9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	± 9.6 %
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	± 9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	± 9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	± 9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	± 9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA		± 9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)		11.01	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	GSM	6.52	± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.12	± 9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 3.5 Mbps)	WLAN	2.83	± 9.6 %
10062	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	3.60	±9.6%
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.68	±9.6 %
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.09	±9.6%
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 16 Mbps)	WLAN	9.00	±9.6%
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	9.38	± 9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.12	±9.6%
10069	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.24	± 9.6 %
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	10.56	± 9.6 %
10071	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 9 MDps)	WLAN	9.83	± 9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps) IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.62	± 9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps) IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	9.94	± 9.6 %
10074	CAB	IEEE 802 11g WIEI 2.4 OH- (DOSS/OFDM, 24 MDPS)	WLAN	10.30	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	± 9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	± 9.6 %
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	± 9.6 %
10082		CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	± 9.6 %
	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6 %
10097 10098	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3,98	± 9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %
10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	± 9.6 %
10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10103	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10104	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
10105	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %
10108	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	± 9.6 %

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40400		LTE EDD (OO EDMA 4000/ DD 40 MILE 40 OAM)	LITE EDD	6.42	± 9.6 %
10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD LTE-FDD	6.43 5.75	± 9.6 %
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	± 9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	± 9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10114	CAC	IEEE 802,11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10115	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
10117	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	± 9.6 %
10118	CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	± 9.6 %
10119	CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	± 9.6 %
10140	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	± 9.6 %
10142	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10143	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	± 9.6 %
10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	± 9.6 %
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	± 9.6 %
10147	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	± 9.6 %
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD LTE-TDD	6.60 9.28	± 9.6 % ± 9.6 %
10151	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)		9.28	± 9.6 %
10152	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)  LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	± 9.6 %
10153	CAG	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	5.75	± 9.6 %
10154 10155	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10158	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	±9.6%
10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6 %
10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	± 9.6 %
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±9.6%
10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	± 9.6 %
10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10171	AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	± 9.6 %
10172	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10173	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10174	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD LTE-FDD	10.25 5.72	± 9.6 % ± 9.6 %
10175		LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	6.52	± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	5.73	± 9.6 %
10177	CAI	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6,52	± 9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 10-QAM)	LTE-FDD	6.50	± 9.6 %
10179	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10181	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10184	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10185	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	± 9.6 %
10186	AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10187	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10188	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10189	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10193	CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6%
10197	CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6 %
10198	CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN WLAN	8.27 8.03	± 9.6 % ± 9.6 %
10219	CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	VALAM	1 0.03	1 7 9.0 /0

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10000	040	IEEE 000 44- (IEEM) - 1 40 0 ML - 40 0 ML	1 1411 241		
10220	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10221	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10222	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 9.6 %
10223	CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10224	CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	± 9.6 %
10225	CAB	UMTS-FDD (HSPA+)	WCDMA	5.97	± 9.6 %
10226	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10227	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9,22	± 9.6 %
10229	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10230	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10231	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10235	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±9.6%
10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10240	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10241	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	± 9.6 %
10242	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6%
10243	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10245	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9.6%
10246	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	± 9.6 %
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	±9.6%
10249	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±9.6%
10251	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	± 9.6 %
10252	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 9.6 %
10254	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6%
10256	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6%
10258	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6%
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %
10260	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6%
10261	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262		LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	± 9.6 %
10270	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	± 9.6 %
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10275	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10277	CAA	PHS (QPSK)	PHS	11.81	± 9.6 %
10278	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10279	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	± 9.6 %
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	± 9.6 %
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10297	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %

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10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	+069/
10300	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	± 9.6 % ± 9.6 %
10301	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL	WiMAX	12.03	± 9.6 %
10302	AAA	symbols)	VVIIVIAX	12.57	I 9.0 %
10303	AAA	IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	±9.6 %
10303	AAA	IEEE 802.16e WIMAX (31.15, 511s, 10MHz, 64QAM, PUSC)	WiMAX	11.86	± 9.6 %
10304	AAA	IEEE 802.16e WIMAX (29.16, 5115, 10MHz, 64QAM, PUSC)	WIMAX	15.24	± 9.6 %
10303	^^~	symbols)	VVIIVIAA	10.24	E 9.0 %
10306	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18	WiMAX	14.67	± 9.6 %
10000	70707	symbols)	A A HANA	14.07	2 9.0 /0
10307	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18	WIMAX	14.49	± 9.6 %
10007	/ / / / /	symbols)	********	14.40	2 0.0 %
10308	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WiMAX	14.46	± 9.6 %
10309	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18	WIMAX	14.58	± 9.6 %
		symbols)		1	- 515 76
10310	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18	WiMAX	14.57	± 9.6 %
		symbols)			
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	±9.6%
10313	AAA	IDEN 1:3	IDEN	10.51	±9.6 %
10314	AAA	IDEN 1:6	IDEN	13.48	±9.6%
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	± 9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6 %
10317	AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6%
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	±9.6%
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6 %
10410	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	±9.6 %
		Subframe=2,3,4,7,8,9, Subframe Conf=4)		.,	
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8,54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10417	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.14	± 9.6 %
40415		Long preambule)	1211 231		
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.19	± 9.6 %
40400	105	Short preambule)	140 44		
10422	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6%
10432	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433 10434	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
		W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.50	1000
10447	AAD	LTE-FDD (OFDMA, 3 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56 7.53	±9.6 % ±9.6 %
10448	AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.53	
10449	AAC	LTE-FDD (OFDMA, 13 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±9.6 % ±9.6 %
LUADII			1 14 1 14 14 14 14 14 14 14 14 14 14 14	1.40	

10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10453	AAD	Validation (Square, 10ms, 1ms)	Test	10.00	± 9.6 %
10456	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	± 9.6 %
10457	AAA	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6 %
10460	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10462	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	± 9.6 %
10463	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	± 9.6 %
10464	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10107		Subframe=2,3,4,7,8,9)			
10467	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10469	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	± 9.6 %
10470	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10471	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10472	AAF	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10473	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
10474	AAE	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10475	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10477	AAF	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10478	AAF	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10479	AAB	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
10480	AAB	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.18	± 9.6 %
10481	AAB	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.45	± 9.6 %
10482	AAC	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL	LTE-TDD	7.71	± 9.6 %
10483	AAC	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.39	± 9.6 %
10484	AAC	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.47	± 9.6 %
10485	AAF	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL			
		Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	±9.6%
10486	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	±9.6 %
10487	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±9.6%
10488	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	± 9.6 %
10489	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6 %
10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	± 9.6 %
	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %

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		Subframe=2,3,4,7,8,9)			
10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8,41	± 9.6 %
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	± 9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	± 9.6 %
10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	± 9.6 %
10497	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	± 9.6 %
10498	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	± 9.6 %
10499	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	± 9.6 %
10500	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	± 9.6 %
10501	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	± 9.6 %
10502	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	± 9.6 %
10503	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±9.6 %
10504	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6 %
10505	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	± 9.6 %
10506	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10507	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	± 9.6 %
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	± 9.6 %
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	± 9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	± 9.6 %
10511	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	± 9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	± 9.6 %
10514	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	± 9.6 %
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6%
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	± 9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10518	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10519	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	± 9.6 %
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	± 9.6 %
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6%
10523	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	± 9.6 %
10524	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	± 9.6 %
10525	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10526	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10527	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	WLAN	8.21	± 9.6 %
10528	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10529	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10531	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	WLAN	8.43	± 9.6 %
10532	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10533	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	WLAN	8.38	± 9.6 %

40524	1 A A D	IEEE 000 44 MEE! (40MIL MOOD 00 4-4	1 1 4 11 4 4 1	0.45	1
10534 10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6%
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle) IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10536	<del></del>		WLAN	8.32	± 9.6 %
10537	AAB AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	WLAN	8.44	± 9.6 %
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle) IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN WLAN	8.65	± 9.6 %
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)		8.47	± 9.6 %
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	WLAN	8,55	±9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	WLAN WLAN	8.35	± 9.6 %
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)		8,49	±9.6 %
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	WLAN WLAN	8.37	± 9.6 %
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)		8.38	± 9.6 %
10552	AAB		WLAN	8.50	± 9.6 %
10552		IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6 %
10553	AAB AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10555		IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	WLAN	8,47	± 9.6 %
	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6 %
10557 10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	WLAN	8.52	± 9.6 %
	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	WLAN	8.61	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	WLAN	8.69	± 9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty	WLAN	8.25	±9.6%
10565	ΛΛΛ	cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty	MATERIA N.	0.45	1000
10565	AAA		WLAN	8.45	± 9.6 %
10566	AAA	cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty	WLAN	0.40	1000
10000	AAA	cycle)	WLAN	8.13	± 9.6 %
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty	WLAN	8.00	± 9.6 %
10007	1,000	cycle)	WEAT	8.00	1 2.0 /0
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty	WLAN	8.37	± 9.6 %
10000	1,,,,,	cycle)	44 17/14	0.57	1 3.0 /6
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty	WLAN	8.10	± 9.6 %
10000	/ ,	cycle)	772711	0.10	2 0.0 /
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty	WLAN	8.30	± 9.6 %
	' ' ' '	cycle)	1,,	0.00	= 0.0 /0
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	± 9.6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty	WLAN	8.59	± 9.6 %
		cycle)			
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty	WLAN	8.60	± 9.6 %
		cycle)			
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty	WLAN	8.70	± 9.6 %
		cycle)			
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty	WLAN	8.49	± 9.6 %
		cycle)			
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty	WLAN	8.36	± 9.6 %
		cycle)			
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty	WLAN	8.76	±96%
		cycle)			
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty	WLAN	8.35	± 9.6 %
		cycle)			
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty	WLAN	8.67	±9.6 %
		cycle)			
10583	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10584	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	± 9.6 %
			<del></del>		
10585 10586	AAB AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN WLAN	8.70 8.49	± 9.6 % ± 9.6 %

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10987   AAB	F			*****		
19599   AAB	10587	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6 %
19590   AAB		AAB		WLAN	8.76	± 9.6 %
19591   AAB		AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	± 9.6 %
19592	10590	AAB		WLAN	8.67	± 9.6 %
19594 AB   EEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.63	± 9.6 %
10595   AAB   EEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10699	10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	WLAN	8,64	
10595   AAB   EEE 802.111 (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	10594	AAB		WLAN	8.74	
16599   AAB   IEEE 802.11n (HT Mixed, 20MHz, MCSS, 90pc duty cycle)   WLAN   8.71   ± 9.6 %   16599   AAB   IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)   WLAN   8.50   ± 9.6 %   16599   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)   WLAN   8.50   ± 9.6 %   16599   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)   WLAN   8.80   ± 9.6 %   16500   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)   WLAN   8.82   ± 9.6 %   16500   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)   WLAN   8.82   ± 9.6 %   16500   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)   WLAN   8.84   ± 9.6 %   16500   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)   WLAN   8.84   ± 9.6 %   16500   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)   WLAN   8.76   ± 9.6 %   16500   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)   WLAN   8.76   ± 9.6 %   16500   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   16500   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)   WLAN   8.62   ± 9.6 %   16500   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)   WLAN   8.62   ± 9.6 %   16500   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)   WLAN   8.62   ± 9.6 %   16500   AAB   IEEE 802.11n (WH Mixed, 40MHz, MCS2, 90pc duty cycle)   WLAN   8.62   ± 9.6 %   16500   AAB   IEEE 802.11n (WH Mixed, 40MHz, MCS2, 90pc duty cycle)   WLAN   8.67   ± 9.6 %   16500   AAB   IEEE 802.11n (WH Mixed, 40MHz, MCS2, 90pc duty cycle)   WLAN   8.67   ± 9.6 %   16500   AAB   IEEE 802.11n (WH Mixed, 40MHz, MCS3, 90pc duty cycle)   WLAN   8.67   ± 9.6 %   16500   AAB   IEEE 802.11n (WH Mixed, 40MHz, MCS3, 90pc duty cycle)   WLAN   8.67   ± 9.6 %   16500   AAB   IEEE 802.11n (WH Mixed, 40MHz, MCS3, 90pc duty cycle)   WLAN   8.67   ± 9.6 %   16500   AAB   IEEE 802.11n (WH Mixed, 40MHz, MCS3, 90pc duty cycle)   WLAN   8.67   ± 9.6 %   16500   AAB   IEEE 802.11n (WH Mixed, 40MHz, MCS3, 90pc duty cycle)	10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	WLAN	8.74	
19598   AAB	10596	AAB		WLAN	8.71	
10599	10597	AAB				
10599		AAB				
10000	10599					
10601   AAB						
19802  AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)   WLAN   8.94   ±9.6 %   19804  AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)   WLAN   8.76   ±9.6 %   19804  AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)   WLAN   8.76   ±9.6 %   19805  AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)   WLAN   8.82   ±9.8 %   19806  AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)   WLAN   8.82   ±9.8 %   19806  AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)   WLAN   8.84   ±9.6 %   19806  AAB   IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)   WLAN   8.64   ±9.6 %   19806  AAB   IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)   WLAN   8.77   ±9.6 %   19806  AAB   IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)   WLAN   8.77   ±9.6 %   19806  AAB   IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)   WLAN   8.78   ±9.6 %   19816  AAB   IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)   WLAN   8.78   ±9.6 %   19816  AAB   IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)   WLAN   8.70   ±9.6 %   19816  AAB   IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)   WLAN   8.70   ±9.6 %   19816  AAB   IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)   WLAN   8.70   ±9.6 %   19816  AAB   IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)   WLAN   8.94   ±9.6 %   19816  AAB   IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)   WLAN   8.59   ±9.6 %   19816  AAB   IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)   WLAN   8.82   ±9.6 %   19816  AAB   IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)   WLAN   8.82   ±9.6 %   19816  AAB   IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)   WLAN   8.82   ±9.6 %   19816  AAB   IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)   WLAN   8.83   ±9.6 %   19816  AAB   IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)   WLAN   8.85   ±9.6 %   19826  AAB   IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)   WLAN   8.86   ±9.6 %   19826  AAB   IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)   WLAN   8.86   ±9.6	10601	AAB				
10603   AAB     IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)						
10606	***					
10606	10604					
10806						
10807						
10608						
10609			<del>                                      </del>			
10610						
10611				***		
10612						
10813						
10614   AAB   IEEE 802.11ac WiFi (20MHz, MCSR, 90pc duty cycle)   WLAN   8.59	·					
10615   AAB   IEEE 802.11ac WIFI (20MHz, MCS8, 90pc duty cycle)   WLAN   8.82						
10616   AAB   IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)   WLAN   8.82   ± 9.6 %   10617   AAB   IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)   WLAN   8.58   ± 9.6 %   10618   AAB   IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)   WLAN   8.58   ± 9.6 %   10619   AAB   IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)   WLAN   8.68   ± 9.6 %   10620   AAB   IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   10620   AAB   IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   10621   AAB   IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   10622   AAB   IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)   WLAN   8.68   ± 9.5 %   10623   AAB   IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)   WLAN   8.82   ± 9.6 %   10624   AAB   IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10625   AAB   IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10626   AAB   IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10626   AAB   IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10627   AAB   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10628   AAB   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   WLAN   8.84   ± 9.6 %   10628   AAB   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   WLAN   8.85   ± 9.6 %   10629   AAB   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   WLAN   8.85   ± 9.6 %   10630   AAB   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   WLAN   8.85   ± 9.6 %   10631   AAB   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10633   AAB   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10634   AAB   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10634   AAB   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10634   AAB   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)						
10617   AAB						
10618						
10619		<del> </del>				
10620						
10621   AAB   IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)   WLAN   8.77   ± 9.6 %						
10622   AAB   IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)   WLAN   8.68   ± 9.6 %   10623   AAB   IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)   WLAN   8.92   ± 9.6 %   10624   AAB   IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10625   AAB   IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10626   AAB   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10626   AAB   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10627   AAB   IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10628   AAB   IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)   WLAN   8.71   ± 9.6 %   10629   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)   WLAN   8.71   ± 9.6 %   10630   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)   WLAN   8.72   ± 9.6 %   10631   AAB   IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)   WLAN   8.72   ± 9.6 %   10633   AAB   IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)   WLAN   8.74   ± 9.6 %   10633   AAB   IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)   WLAN   8.74   ± 9.6 %   10634   AAB   IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10634   AAB   IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)   WLAN   8.80   ± 9.6 %   10636   AAC   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10636   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10638   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.85   ± 9.6 %   10638   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.86   ± 9.6 %   10638   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.86   ± 9.6 %   10642   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.89   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.98   ± 9.6 %   10646   AAG   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty						
10623   AAB   IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)   WLAN   8.82						
10624   AAB   IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10625   AAB   IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10626   AAB   IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10627   AAB   IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)   WLAN   8.88   ± 9.6 %   10628   AAB   IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)   WLAN   8.71   ± 9.6 %   10629   AAB   IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)   WLAN   8.85   ± 9.6 %   10630   AAB   IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)   WLAN   8.71   ± 9.6 %   10631   AAB   IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)   WLAN   8.72   ± 9.6 %   10631   AAB   IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)   WLAN   8.74   ± 9.6 %   10633   AAB   IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10634   AAB   IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10635   AAB   IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)   WLAN   8.80   ± 9.6 %   10636   AAC   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10636   AAC   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10637   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.87   ± 9.6 %   10638   AAC   IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)   WLAN   8.86   ± 9.6 %   10641   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)   WLAN   8.86   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)   WLAN   8.85   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)   WLAN   8.89   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)   WLAN   8.89   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)   WLAN   8.89   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)   WLAN   8.89   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dut						
10625   AAB   IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10626   AAB   IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10627   AAB   IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)   WLAN   8.88   ± 9.6 %   10628   AAB   IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)   WLAN   8.71   ± 9.6 %   10629   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)   WLAN   8.85   ± 9.6 %   10630   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)   WLAN   8.72   ± 9.6 %   10631   AAB   IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)   WLAN   8.74   ± 9.6 %   10632   AAB   IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)   WLAN   8.74   ± 9.6 %   10633   AAB   IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10634   AAB   IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10634   AAB   IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)   WLAN   8.80   ± 9.6 %   10635   AAB   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   WLAN   8.80   ± 9.6 %   10636   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10637   AAC   IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10638   AAC   IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)   WLAN   8.86   ± 9.6 %   10640   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)   WLAN   8.85   ± 9.6 %   10641   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)   WLAN   8.85   ± 9.6 %   10642   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)   WLAN   8.98   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)   WLAN   8.98   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)   WLAN   8.98   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)   WLAN   8.99   ± 9.6 %   10646   AAG   IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)   WLAN   9.06   ± 9.6 %   10646   AAG   IEEE 802.11ac WiFi (160Mtz, MCS4, 90pc d						
10626		· †······			·	
10627   AAB   IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)   WLAN   8.88   ± 9.6 %     10628   AAB   IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)   WLAN   8.71   ± 9.6 %     10629   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)   WLAN   8.72   ± 9.6 %     10630   AAB   IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)   WLAN   8.72   ± 9.6 %     10631   AAB   IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)   WLAN   8.71   ± 9.6 %     10632   AAB   IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)   WLAN   8.74   ± 9.6 %     10633   AAB   IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)   WLAN   8.83   ± 9.6 %     10634   AAB   IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)   WLAN   8.80   ± 9.6 %     10635   AAB   IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)   WLAN   8.81   ± 9.6 %     10636   AAC   IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)   WLAN   8.81   ± 9.6 %     10637   AAC   IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)   WLAN   8.83   ± 9.6 %     10638   AAC   IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)   WLAN   8.86   ± 9.6 %     10639   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)   WLAN   8.85   ± 9.6 %     10640   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)   WLAN   8.85   ± 9.6 %     10641   AAC   IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)   WLAN   8.98   ± 9.6 %     10642   AAC   IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)   WLAN   9.06   ± 9.6 %     10643   AAC   IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)   WLAN   9.05   ± 9.6 %     10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)   WLAN   9.05   ± 9.6 %     10645   AAC   IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)   WLAN   9.05   ± 9.6 %     10646   AAC   IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)   WLAN   9.05   ± 9.6 %     10647   AAF   IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)   WLAN   9.05   ± 9.6 %     10648   AAC   IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)   WLAN   9.05   ± 9.6 %     10646	~~~	<del></del>				
10628         AAB         IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)         WLAN         8.71         ± 9.6 %           10629         AAB         IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10630         AAB         IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)         WLAN         8.72         ± 9.6 %           10631         AAB         IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)         WLAN         8.74         ± 9.6 %           10632         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)         WLAN         8.74         ± 9.6 %           10633         AAB         IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10634         AAB         IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)         WLAN         8.80         ± 9.6 %           10635         AAB         IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10636         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10637         AAC         IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)         WLAN         8.86         ± 9.6 %           10638         AAC		<del>-{</del>				
10629         AAB         IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10630         AAB         IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)         WLAN         8.72         ± 9.6 %           10631         AAB         IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10632         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10633         AAB         IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10634         AAB         IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)         WLAN         8.80         ± 9.6 %           10635         AAB         IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10636         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10637         AAC         IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)         WLAN         8.86         ± 9.6 %           10638         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10640         AAC <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
10630         AAB         IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)         WLAN         8.72         ± 9.6 %           10631         AAB         IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10632         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)         WLAN         8.74         ± 9.6 %           10633         AAB         IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10634         AAB         IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)         WLAN         8.80         ± 9.6 %           10635         AAB         IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10636         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10637         AAC         IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)         WLAN         8.79         ± 9.6 %           10638         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10640         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)         WLAN         8.98         ± 9.6 %           10641         AAC <td></td> <td></td> <td>IEEE 002.11ac WiFi (00MHz, MCS2, 90pc duty cycle)</td> <td></td> <td></td> <td></td>			IEEE 002.11ac WiFi (00MHz, MCS2, 90pc duty cycle)			
10631         AAB         IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10632         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)         WLAN         8.74         ± 9.6 %           10633         AAB         IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10634         AAB         IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10635         AAB         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10636         AAC         IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10637         AAC         IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)         WLAN         8.79         ± 9.6 %           10638         AAC         IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10639         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10640         AAC         IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10642         AAC<		,	IEEE 002.11ag WiFi (00MHz, MCS3, 90pc duty cycle)			
10632         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)         WLAN         8.74         ±9.6 %           10633         AAB         IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)         WLAN         8.83         ±9.6 %           10634         AAB         IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)         WLAN         8.80         ±9.6 %           10635         AAB         IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)         WLAN         8.81         ±9.6 %           10636         AAC         IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)         WLAN         8.79         ±9.6 %           10637         AAC         IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)         WLAN         8.86         ±9.6 %           10638         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)         WLAN         8.86         ±9.6 %           10639         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ±9.6 %           10640         AAC         IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)         WLAN         8.98         ±9.6 %           10641         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)         WLAN         9.06         ±9.6 %           10642         AAC	~~~~					
10633         AAB         IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)         WLAN         8.83         ±9.6 %           10634         AAB         IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)         WLAN         8.80         ±9.6 %           10635         AAB         IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)         WLAN         8.81         ±9.6 %           10636         AAC         IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)         WLAN         8.79         ±9.6 %           10637         AAC         IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)         WLAN         8.86         ±9.6 %           10638         AAC         IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)         WLAN         8.86         ±9.6 %           10639         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ±9.6 %           10640         AAC         IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)         WLAN         8.98         ±9.6 %           10641         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)         WLAN         9.06         ±9.6 %           10642         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)         WLAN         9.06         ±9.6 %           10643         AAC						
10634       AAB       IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)       WLAN       8.80       ± 9.6 %         10635       AAB       IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)       WLAN       8.81       ± 9.6 %         10636       AAC       IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)       WLAN       8.83       ± 9.6 %         10637       AAC       IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)       WLAN       8.79       ± 9.6 %         10638       AAC       IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)       WLAN       8.86       ± 9.6 %         10639       AAC       IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)       WLAN       8.85       ± 9.6 %         10640       AAC       IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)       WLAN       8.98       ± 9.6 %         10641       AAC       IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)       WLAN       9.06       ± 9.6 %         10642       AAC       IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)       WLAN       8.89       ± 9.6 %         10643       AAC       IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)       WLAN       9.05       ± 9.6 %         10644       AAC       IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)       WLAN       9.05						
10635       AAB       IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)       WLAN       8.81       ±9.6 %         10636       AAC       IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)       WLAN       8.83       ±9.6 %         10637       AAC       IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)       WLAN       8.79       ±9.6 %         10638       AAC       IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)       WLAN       8.86       ±9.6 %         10639       AAC       IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)       WLAN       8.85       ±9.6 %         10640       AAC       IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)       WLAN       8.98       ±9.6 %         10641       AAC       IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)       WLAN       9.06       ±9.6 %         10642       AAC       IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)       WLAN       9.06       ±9.6 %         10643       AAC       IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)       WLAN       8.89       ±9.6 %         10644       AAC       IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)       WLAN       9.05       ±9.6 %         10645       AAC       IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)       WLAN       9.05					***************************************	
10636         AAC         IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10637         AAC         IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)         WLAN         8.79         ± 9.6 %           10638         AAC         IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)         WLAN         8.86         ± 9.6 %           10639         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10640         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)         WLAN         8.98         ± 9.6 %           10641         AAC         IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10642         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10643         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)         WLAN         8.89         ± 9.6 %           10644         AAC         IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)         WLAN         9.05         ± 9.6 %           10645         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         9.05         ± 9.6 %           10646				****		
10637         AAC         IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)         WLAN         8.79         ± 9.6 %           10638         AAC         IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)         WLAN         8.86         ± 9.6 %           10639         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10640         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)         WLAN         8.98         ± 9.6 %           10641         AAC         IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10642         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10643         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)         WLAN         8.89         ± 9.6 %           10644         AAC         IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)         WLAN         9.05         ± 9.6 %           10645         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         9.05         ± 9.6 %           10646         AAG         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10647						
10638         AAC         IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)         WLAN         8.86         ± 9.6 %           10639         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10640         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)         WLAN         8.98         ± 9.6 %           10641         AAC         IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10642         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10643         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)         WLAN         8.89         ± 9.6 %           10644         AAC         IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)         WLAN         9.05         ± 9.6 %           10645         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         9.05         ± 9.6 %           10646         AAG         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10647         AAF         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10648 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
10639         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10640         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)         WLAN         8.98         ± 9.6 %           10641         AAC         IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10642         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10643         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)         WLAN         8.89         ± 9.6 %           10644         AAC         IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)         WLAN         9.05         ± 9.6 %           10645         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         9.11         ± 9.6 %           10646         AAG         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10647         AAF         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10648         AAA         CDMA2000 (1x Advanced)         CDMA2000         3.45         ± 9.6 %           10652         AAE						
10640         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)         WLAN         8.98         ± 9.6 %           10641         AAC         IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10642         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10643         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)         WLAN         8.89         ± 9.6 %           10644         AAC         IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)         WLAN         9.05         ± 9.6 %           10645         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         9.11         ± 9.6 %           10646         AAG         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10647         AAF         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10648         AAA         CDMA2000 (1x Advanced)         CDMA2000         3.45         ± 9.6 %           10652         AAE         LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         6.91         ± 9.6 %						
10641       AAC       IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)       WLAN       9.06       ± 9.6 %         10642       AAC       IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)       WLAN       9.06       ± 9.6 %         10643       AAC       IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)       WLAN       8.89       ± 9.6 %         10644       AAC       IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)       WLAN       9.05       ± 9.6 %         10645       AAC       IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)       WLAN       9.11       ± 9.6 %         10646       AAG       LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)       LTE-TDD       11.96       ± 9.6 %         10647       AAF       LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)       LTE-TDD       11.96       ± 9.6 %         10648       AAA       CDMA2000 (1x Advanced)       CDMA2000       3.45       ± 9.6 %         10652       AAE       LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)       LTE-TDD       6.91       ± 9.6 %						
10642       AAC       IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)       WLAN       9.06       ± 9.6 %         10643       AAC       IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)       WLAN       8.89       ± 9.6 %         10644       AAC       IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)       WLAN       9.05       ± 9.6 %         10645       AAC       IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)       WLAN       9.11       ± 9.6 %         10646       AAG       LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)       LTE-TDD       11.96       ± 9.6 %         10647       AAF       LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)       LTE-TDD       11.96       ± 9.6 %         10648       AAA       CDMA2000 (1x Advanced)       CDMA2000       3.45       ± 9.6 %         10652       AAE       LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)       LTE-TDD       6.91       ± 9.6 %			IEEE 802.11ac WIFI (160MHz, MCS4, 90pc duty cycle)			
10643         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)         WLAN         8.89         ± 9.6 %           10644         AAC         IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)         WLAN         9.05         ± 9.6 %           10645         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         9.11         ± 9.6 %           10646         AAG         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10647         AAF         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10648         AAA         CDMA2000 (1x Advanced)         CDMA2000         3.45         ± 9.6 %           10652         AAE         LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         6.91         ± 9.6 %						
10644         AAC         IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)         WLAN         9.05         ± 9.6 %           10645         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         9.11         ± 9.6 %           10646         AAG         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10647         AAF         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10648         AAA         CDMA2000 (1x Advanced)         CDMA2000         3.45         ± 9.6 %           10652         AAE         LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         6.91         ± 9.6 %						
10645         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         9.11         ± 9.6 %           10646         AAG         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10647         AAF         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10648         AAA         CDMA2000 (1x Advanced)         CDMA2000         3.45         ± 9.6 %           10652         AAE         LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         6.91         ± 9.6 %						
10646         AAG         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10647         AAF         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10648         AAA         CDMA2000 (1x Advanced)         CDMA2000         3.45         ± 9.6 %           10652         AAE         LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         6.91         ± 9.6 %				······		
10647         AAF         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10648         AAA         CDMA2000 (1x Advanced)         CDMA2000         3.45         ± 9.6 %           10652         AAE         LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         6.91         ± 9.6 %						
10648         AAA         CDMA2000 (1x Advanced)         CDMA2000         3.45         ± 9.6 %           10652         AAE         LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         6.91         ± 9.6 %						
10652 AAE LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 %						
10653   AAE   LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   7.42   ± 9.6 %						
	10653	AAE	LTE-TOD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %

100555	10654	AAD	LITE TOD (OFDMA 45 MUL E TM 2.4 Office and 4.00)	T. TE TOD	T 0 00	
10688			LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
19659						
19660   AAA   Pulse Waveform (2001+z, 60%)   Test   2.2 ± 9.6 %     19661   AAA   Pulse Waveform (2001+z, 60%)   Test   2.2 ± 9.6 %     19670   AAA   Bluefooth Low Energy   Bluefooth   19.6 %     19671   AAA   Bluefooth Low Energy   Bluefooth   19.8 %     19671   AAA   Bluefooth Low Energy   Bluefooth   19.8 %     19671   AAA   Bluefooth Low Energy   Bluefooth   19.8 %     19672   AAA   Bluefooth Low Energy   Bluefooth   19.8 %     19673   AAA   BLEE 802.11ax (20MHz, MCS1, 90pc duty cycle)   WLAN   8.78   ± 9.6 %     19673   AAA   BLEE 802.11ax (20MHz, MCS1, 90pc duty cycle)   WLAN   8.78   ± 9.6 %     19673   AAA   BLEE 802.11ax (20MHz, MCS1, 90pc duty cycle)   WLAN   8.78   ± 9.6 %     19676   AAA   BLEE 802.11ax (20MHz, MCS1, 90pc duty cycle)   WLAN   8.78   ± 9.6 %     19677   AAA   BLEE 802.11ax (20MHz, MCS1, 90pc duty cycle)   WLAN   8.73   ± 9.6 %     19678   AAA   BLEE 802.11ax (20MHz, MCS1, 90pc duty cycle)   WLAN   8.73   ± 9.6 %     19679   AAA   BLEE 802.11ax (20MHz, MCS1, 90pc duty cycle)   WLAN   8.73   ± 9.6 %     19680   AAA   BLEE 802.11ax (20MHz, MCS1, 90pc duty cycle)   WLAN   8.89   ± 9.6 %     19680   AAA   BLEE 802.11ax (20MHz, MCS1, 90pc duty cycle)   WLAN   8.89   ± 9.6 %     19680   AAA   BLEE 802.11ax (20MHz, MCS1, 90pc duty cycle)   WLAN   8.89   ± 9.6 %     19680   AAA   BLEE 802.11ax (20MHz, MCS1, 90pc duty cycle)   WLAN   8.60   ± 9.6 %     19680   AAA   BLEE 802.11ax (20MHz, MCS1, 90pc duty cycle)   WLAN   8.62   ± 9.6 %     19680   AAA   BLEE 802.11ax (20MHz, MCS1, 90pc duty cycle)   WLAN   8.62   ± 9.6 %     19680   AAA   BLEE 802.11ax (20MHz, MCS1, 90pc duty cycle)   WLAN   8.62   ± 9.6 %     19680   AAA   BLEE 802.11ax (20MHz, MCS1, 90pc duty cycle)   WLAN   8.62   ± 9.6 %     19680   AAA   BLEE 802.11ax (20MHz, MCS1, 90pc duty cycle)   WLAN   8.62   ± 9.6 %     19680   AAA   BLEE 802.11ax (20MHz, MCS1, 90pc duty cycle)   WLAN   8.62   ± 9.6 %     19680   AAA   BLEE 802.11ax (20MHz, MCS1, 90pc duty cycle)   WLAN   8.62   ± 9.6 %     19680   AAA   BLEE 802.11ax (20MHz, MCS1,				<del></del>		
19661   AAA   Pulse Waveform (2001tz, 60%)   Test   9.27 ± 9.6 %   19670   AAA   Pulse Waveform (2001tz, 80%)   Test   9.9 f. % 19.6 %   19670   AAA   Pulse Waveform (2001tz, 80%)   Test   9.9 f. % 19.6 %   19670   AAA   BEE 602.11ax (20MHz, MCS1, 90pc duty cycle)   WLAN   9.9 f. 9.6 %   19672   AAA   IEEE 602.11ax (20MHz, MCS2, 90pc duty cycle)   WLAN   8.67   ± 9.6 %   19673   AAA   IEEE 602.11ax (20MHz, MCS2, 90pc duty cycle)   WLAN   8.67   ± 9.6 %   19674   AAA   IEEE 602.11ax (20MHz, MCS3, 90pc duty cycle)   WLAN   8.74   ± 9.6 %   19675   AAA   IEEE 602.11ax (20MHz, MCS3, 90pc duty cycle)   WLAN   8.74   ± 9.6 %   19676   AAA   IEEE 602.11ax (20MHz, MCS3, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   19676   AAA   IEEE 602.11ax (20MHz, MCS3, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   19677   AAA   IEEE 602.11ax (20MHz, MCS6, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   19679   AAA   IEEE 602.11ax (20MHz, MCS6, 90pc duty cycle)   WLAN   8.78   ± 9.6 %   19679   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.80   ± 9.6 %   19680   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.80   ± 9.6 %   19680   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.80   ± 9.6 %   19680   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.80   ± 9.6 %   19680   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.80   ± 9.6 %   19680   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.80   ± 9.6 %   19680   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.20   ± 9.6 %   19680   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.20   ± 9.6 %   19680   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.20   ± 9.6 %   19680   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.20   ± 9.6 %   19680   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.20   ± 9.6 %   19680   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.20   ± 9.6 %   19680   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cyc			Pulse waveform (200Hz, 20%)			
19892		<del>}</del>		***		
10871						
10672						
19672			Bluetooth Low Energy			± 9.6 %
10673					9.09	
10074			IEEE 802.11ax (20MHz, MCS1, 90pc duty cycle)		8.57	
10076			IEEE 802.11ax (20MHz, MCS2, 90pc duty cycle)		8.78	± 9.6 %
10076		· <del></del>	IEEE 802.11ax (20MHz, MCS3, 90pc duty cycle)		8.74	±9.6%
10677			IEEE 802.11ax (20MHz, MCS4, 90pc duty cycle)	WLAN	8.90	
10677			IEEE 802.11ax (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6%
10678		AAA	IEEE 802.11ax (20MHz, MCS6, 90pc duty cycle)	WLAN	8.73	
10679   AAA	}	AAA	IEEE 802.11ax (20MHz, MCS7, 90pc duty cycle)	WLAN	8.78	
10680		AAA	IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle)			
10881		AAA				
10882	10681	AAA			· <del>-</del>	
10883	10682	AAA				
10684	10683					
10885			IEEE 802,11ax (20MHz, MCS1, 99pc duty cycle)			
10686		+	IEEE 802,11ax (20MHz, MCS2, 99nc duty cycle)			
10687   AAA   IEEE 802.11ax (20MHz, MCS4, 99pc duty cycle)					<del></del>	
10688		·			·	
10689						
10690						
10691			IEEE 802.11ax (20MHz, MCS7, 00ng duty cycle)			
10692			IEEE 802.11ax (20MHz, MCS2, 99pc duty cycle)			
10693						
10694						
10695		<del>!                                      </del>	IEEE 802.11ax (20MHz, MCS10, 99pc duty cycle)			
10696						
10697						
10698						
10699						
10700   AAA   IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)	***************************************				·	
10701   AAA   IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)			IEEE 802.11ax (40MHz, MCS4, 90pc duty cycle)			
10702						
10703				WLAN	8.86	± 9.6 %
10704   AAA   IEEE 802.11ax (40MHz, MCS9, 90pc duty cycle)					8.70	± 9.6 %
10705         AAA         IEEE 802.11ax (40MHz, MCS10, 90pc duty cycle)         WLAN         8.69         ± 9.6 %           10706         AAA         IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle)         WLAN         8.66         ± 9.6 %           10707         AAA         IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle)         WLAN         8.32         ± 9.6 %           10708         AAA         IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)         WLAN         8.55         ± 9.6 %           10709         AAA         IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10710         AAA         IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10711         AAA         IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10712         AAA         IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10713         AAA         IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10715         AAA         IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10715         AAA         IEEE 802.11ax (40MHz, MCS1, 99pc duty				WLAN	8.82	± 9.6 %
10706         AAA         IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle)         WLAN         8.66         ± 9.6 %           10707         AAA         IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle)         WLAN         8.32         ± 9.6 %           10708         AAA         IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)         WLAN         8.55         ± 9.6 %           10709         AAA         IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10710         AAA         IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10711         AAA         IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10712         AAA         IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10713         AAA         IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10714         AAA         IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)         WLAN         8.26         ± 9.6 %           10715         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10716         AAA         IEEE 802.11ax (40MHz, MCS1, 99pc duty		AAA		WLAN	8.56	±9.6 %
10706         AAA         IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)         WLAN         8.66         ± 9.6 %           10707         AAA         IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle)         WLAN         8.32         ± 9.6 %           10708         AAA         IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)         WLAN         8.55         ± 9.6 %           10710         AAA         IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10711         AAA         IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10712         AAA         IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)         WLAN         8.67         ± 9.6 %           10713         AAA         IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10713         AAA         IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10714         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)         WLAN         8.26         ± 9.6 %           10715         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10715         AAA         IEEE 802.11ax (40MHz, MCS9, 90pc duty c	10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc duty cycle)	WLAN	8.69	± 9.6 %
10707         AAA         IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle)         WLAN         8.32         ± 9.6 %           10708         AAA         IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)         WLAN         8.55         ± 9.6 %           10709         AAA         IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10710         AAA         IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10711         AAA         IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10712         AAA         IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)         WLAN         8.67         ± 9.6 %           10713         AAA         IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10714         AAA         IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)         WLAN         8.26         ± 9.6 %           10715         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10716         AAA         IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)         WLAN         8.48         ± 9.6 %           10718         AAA         IEEE 802.11ax (40MHz, MCS1, 90pc duty c	10706	AAA	IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle)	WLAN		
10708         AAA         IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)         WLAN         8.55         ± 9.6 %           10709         AAA         IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10710         AAA         IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10711         AAA         IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10712         AAA         IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)         WLAN         8.67         ± 9.6 %           10713         AAA         IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10714         AAA         IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)         WLAN         8.26         ± 9.6 %           10715         AAA         IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10716         AAA         IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)         WLAN         8.30         ± 9.6 %           10717         AAA         IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)         WLAN         8.48         ± 9.6 %           10718         AAA         IEEE 802.11ax (80MHz, MCS0, 90pc duty			IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle)			
10709         AAA         IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10710         AAA         IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10711         AAA         IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10712         AAA         IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)         WLAN         8.67         ± 9.6 %           10713         AAA         IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10714         AAA         IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)         WLAN         8.26         ± 9.6 %           10715         AAA         IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10716         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)         WLAN         8.30         ± 9.6 %           10717         AAA         IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)         WLAN         8.48         ± 9.6 %           10718         AAA         IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)         WLAN         8.24         ± 9.6 %           10720         AAA         IEEE 802.11ax (80MHz, MCS1, 90pc duty	10708	AAA				
10710         AAA         IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10711         AAA         IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10712         AAA         IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)         WLAN         8.67         ± 9.6 %           10713         AAA         IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10714         AAA         IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)         WLAN         8.26         ± 9.6 %           10715         AAA         IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10716         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)         WLAN         8.30         ± 9.6 %           10717         AAA         IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)         WLAN         8.48         ± 9.6 %           10718         AAA         IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)         WLAN         8.24         ± 9.6 %           10720         AAA         IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)         WLAN         8.87         ± 9.6 %           10721         AAA         IEEE 802.11ax (80MHz, MCS3, 90pc duty	10709				***************************************	
10711       AAA       IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)       WLAN       8.39       ± 9.6 %         10712       AAA       IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)       WLAN       8.67       ± 9.6 %         10713       AAA       IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)       WLAN       8.33       ± 9.6 %         10714       AAA       IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)       WLAN       8.26       ± 9.6 %         10715       AAA       IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10716       AAA       IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)       WLAN       8.30       ± 9.6 %         10717       AAA       IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)       WLAN       8.48       ± 9.6 %         10718       AAA       IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)       WLAN       8.24       ± 9.6 %         10719       AAA       IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)       WLAN       8.81       ± 9.6 %         10720       AAA       IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)       WLAN       8.76       ± 9.6 %         10722       AAA       IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)       WLAN       8.70       ± 9.6 %         10724						
10712         AAA         IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)         WLAN         8.67         ± 9.6 %           10713         AAA         IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10714         AAA         IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)         WLAN         8.26         ± 9.6 %           10715         AAA         IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10716         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)         WLAN         8.30         ± 9.6 %           10717         AAA         IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)         WLAN         8.48         ± 9.6 %           10718         AAA         IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)         WLAN         8.24         ± 9.6 %           10719         AAA         IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10720         AAA         IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)         WLAN         8.76         ± 9.6 %           10721         AAA         IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)         WLAN         8.55         ± 9.6 %           10723         AAA         IEEE 802.11ax (80MHz, MCS4, 90pc duty						
10713         AAA         IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10714         AAA         IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)         WLAN         8.26         ± 9.6 %           10715         AAA         IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10716         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)         WLAN         8.30         ± 9.6 %           10717         AAA         IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)         WLAN         8.48         ± 9.6 %           10718         AAA         IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)         WLAN         8.24         ± 9.6 %           10719         AAA         IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10720         AAA         IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)         WLAN         8.76         ± 9.6 %           10721         AAA         IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)         WLAN         8.55         ± 9.6 %           10723         AAA         IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)         WLAN         8.70         ± 9.6 %           10724         AAA         IEEE 802.11ax (80MHz, MCS5, 90pc duty						
10714       AAA       IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)       WLAN       8.26       ± 9.6 %         10715       AAA       IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10716       AAA       IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)       WLAN       8.30       ± 9.6 %         10717       AAA       IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)       WLAN       8.48       ± 9.6 %         10718       AAA       IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)       WLAN       8.24       ± 9.6 %         10719       AAA       IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)       WLAN       8.81       ± 9.6 %         10720       AAA       IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)       WLAN       8.76       ± 9.6 %         10721       AAA       IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)       WLAN       8.76       ± 9.6 %         10722       AAA       IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)       WLAN       8.70       ± 9.6 %         10724       AAA       IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)       WLAN       8.70       ± 9.6 %         10725       AAA       IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)       WLAN       8.74       ± 9.6 %						
10715       AAA       IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10716       AAA       IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)       WLAN       8.30       ± 9.6 %         10717       AAA       IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)       WLAN       8.48       ± 9.6 %         10718       AAA       IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)       WLAN       8.24       ± 9.6 %         10719       AAA       IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)       WLAN       8.81       ± 9.6 %         10720       AAA       IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)       WLAN       8.76       ± 9.6 %         10721       AAA       IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)       WLAN       8.76       ± 9.6 %         10722       AAA       IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)       WLAN       8.55       ± 9.6 %         10723       AAA       IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)       WLAN       8.70       ± 9.6 %         10724       AAA       IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)       WLAN       8.90       ± 9.6 %         10725       AAA       IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)       WLAN       8.74       ± 9.6 %			IEEE 802.11ax (40MHz, MCS7, 99nc duty cycle)			
10716         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)         WLAN         8.30         ± 9.6 %           10717         AAA         IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)         WLAN         8.48         ± 9.6 %           10718         AAA         IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)         WLAN         8.24         ± 9.6 %           10719         AAA         IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10720         AAA         IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)         WLAN         8.87         ± 9.6 %           10721         AAA         IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)         WLAN         8.76         ± 9.6 %           10722         AAA         IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)         WLAN         8.55         ± 9.6 %           10723         AAA         IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)         WLAN         8.70         ± 9.6 %           10724         AAA         IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)         WLAN         8.90         ± 9.6 %           10725         AAA         IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)         WLAN         8.74         ± 9.6 %						
10717       AAA       IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)       WLAN       8.48       ± 9.6 %         10718       AAA       IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)       WLAN       8.24       ± 9.6 %         10719       AAA       IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)       WLAN       8.81       ± 9.6 %         10720       AAA       IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)       WLAN       8.76       ± 9.6 %         10721       AAA       IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)       WLAN       8.76       ± 9.6 %         10722       AAA       IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)       WLAN       8.55       ± 9.6 %         10723       AAA       IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)       WLAN       8.70       ± 9.6 %         10724       AAA       IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)       WLAN       8.90       ± 9.6 %         10725       AAA       IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)       WLAN       8.74       ± 9.6 %		***************************************				
10718       AAA       IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)       WLAN       8.24       ± 9.6 %         10719       AAA       IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)       WLAN       8.81       ± 9.6 %         10720       AAA       IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)       WLAN       8.87       ± 9.6 %         10721       AAA       IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)       WLAN       8.76       ± 9.6 %         10722       AAA       IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)       WLAN       8.55       ± 9.6 %         10723       AAA       IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)       WLAN       8.70       ± 9.6 %         10724       AAA       IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)       WLAN       8.90       ± 9.6 %         10725       AAA       IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)       WLAN       8.74       ± 9.6 %						
10719         AAA         IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10720         AAA         IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)         WLAN         8.87         ± 9.6 %           10721         AAA         IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)         WLAN         8.76         ± 9.6 %           10722         AAA         IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)         WLAN         8.55         ± 9.6 %           10723         AAA         IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)         WLAN         8.70         ± 9.6 %           10724         AAA         IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)         WLAN         8.90         ± 9.6 %           10725         AAA         IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)         WLAN         8.74         ± 9.6 %						
10720       AAA       IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)       WLAN       8.87       ± 9.6 %         10721       AAA       IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)       WLAN       8.76       ± 9.6 %         10722       AAA       IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)       WLAN       8.55       ± 9.6 %         10723       AAA       IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)       WLAN       8.70       ± 9.6 %         10724       AAA       IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)       WLAN       8.90       ± 9.6 %         10725       AAA       IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)       WLAN       8.74       ± 9.6 %						
10721       AAA       IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)       WLAN       8.76       ± 9.6 %         10722       AAA       IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)       WLAN       8.55       ± 9.6 %         10723       AAA       IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)       WLAN       8.70       ± 9.6 %         10724       AAA       IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)       WLAN       8.90       ± 9.6 %         10725       AAA       IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)       WLAN       8.74       ± 9.6 %						
10722       AAA       IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)       WLAN       8.55       ± 9.6 %         10723       AAA       IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)       WLAN       8.70       ± 9.6 %         10724       AAA       IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)       WLAN       8.90       ± 9.6 %         10725       AAA       IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)       WLAN       8.74       ± 9.6 %			TEEE OUZ. Flax (OUNITZ, INCO 1, SUPC GUTY CYCIE)			
10723       AAA       IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)       WLAN       8.70       ± 9.6 %         10724       AAA       IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)       WLAN       8.90       ± 9.6 %         10725       AAA       IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)       WLAN       8.74       ± 9.6 %			IEEE 902 44ov (90MUz, MOS2, 90pc QUIV CYCIE)			
10724         AAA         IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)         WLAN         8.90         ± 9.6 %           10725         AAA         IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)         WLAN         8.74         ± 9.6 %						
10725 AAA IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle) WLAN 8.74 ± 9.6 %						
10726   AAA   IEEE 802.118X (80MHz, MCS7, 90pc duty cycle)   WLAN   8.72   ± 9.6 %						
	10726	AAA	IEEE 802.TTax (80MHz, MCS7, 90pc duty cycle)	WLAN	8.72	± 9.6 %

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10727	AAA	IEEE 802.11ax (80MHz, MCS8, 90pc duty cycle)	WLAN	8.66	± 9.6 %
10728	AAA	IEEE 802.11ax (80MHz, MCS9, 90pc duty cycle)	WLAN	8.65	± 9.6 %
10729	AAA	IEEE 802.11ax (80MHz, MCS10, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10730	AAA	IEEE 802.11ax (80MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±9.6%
10731	AAA	IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10732	AAA	IEEE 802.11ax (80MHz, MCS1, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10733	AAA	IEEE 802.11ax (80MHz, MCS2, 99pc duty cycle)	WLAN	8.40	± 9.6 %
10734	AAA	IEEE 802.11ax (80MHz, MCS3, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10735	AAA	IEEE 802.11ax (80MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6 %
10736	AAA	IEEE 802.11ax (80MHz, MCS5, 99pc duty cycle)	WLAN	8.27	± 9.6 %
10737	AAA	IEEE 802.11ax (80MHz, MCS6, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10738	AAA	IEEE 802.11ax (80MHz, MCS7, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10739	AAA	IEEE 802.11ax (80MHz, MCS8, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10740	AAA	IEEE 802.11ax (80MHz, MCS9, 99pc duty cycle)	WLAN	8,48	±9.6%
10741	AAA	IEEE 802.11ax (80MHz, MCS10, 99pc duty cycle)	WLAN	8.40	± 9.6 %
10742	AAA	IEEE 802.11ax (80MHz, MCS11, 99pc duty cycle)	WLAN	8.43	± 9.6 %
10743	AAA	IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10744	AAA	IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±9.6%
10745	AAA	IEEE 802.11ax (160MHz, MCS2, 90pc duty cycle)	WLAN	8.93	± 9.6 %
10746	AAA	IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)	WLAN	9.11	±9.6%
10747	AAA	IEEE 802.11ax (160MHz, MCS4, 90pc duty cycle)	WLAN	9.04	± 9.6 %
10748	AAA	IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±9.6%
10749	AAA	IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle)	WLAN	8.90	± 9.6 %
		TEEL OOZ. 1 TAX ( TOURITZ, WOOD, SUPE GBLY GYCR)			
10750	AAA	IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10751	AAA	IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10752	AAA	IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10753	AAA	IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)	WLAN	9.00	±9.6 %
10754	AAA	IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10755	AAA	IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)	WLAN	8.64	±9.6 %
10756	AAA	IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10757	AAA	IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10758	AAA	IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)	WLAN	8.69	±9.6%
10759	AAA	IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)	WLAN	8.58	± 9.6 %
10760	AAA	IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10761	AAA	IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)	WLAN	8.58	± 9.6 %
10762	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10763	AAA	IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)	WLAN	8.53	±9.6%
10764	AAA	IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10765	AAA	IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)	WLAN	8,54	± 9.6 %
10766			WLAN		± 9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)		8.51	
10767	AAB	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1	7.99	± 9.6 %
	<u> </u>		TDD		
10768	AAB	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1	8.01	± 9.6 %
			TDD		
10769	AAB	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1	8.01	± 9.6 %
1	1	, , , , , , , , , , , , , , , , , , , ,	TDD		1
10770	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1	8.02	± 9.6 %
1 10770	/2/0	O THE (OT "OT DIM, TIND, 20 MITE, OF ON, TO KIE)	TDD	0.02	20.0 /6
40774	0.00	EC ND (CD OEDM 4 DD OE MILL ODOK 45 L41-)		0.00	1000
10771	AAB	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1	8.02	± 9.6 %
			TDD		<u> </u>
10772	AAB	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1	8.23	± 9.6 %
			TDD		
10773	AAB	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1	8.03	± 9.6 %
			TDD	İ	1
10774	AAB	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1	8.02	± 9.6 %
	. " ,"	OF THE OF BRIDE THE BUILDING OF THE BUILDING	TDD	3.02	/
10770	AAB	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)		8.30	1069/
10776	AAB	5G NR (CP-OFDIN, 50% RB, 10 MHZ, QPSK, 15 KHZ)	5G NR FR1	8.30	± 9.6 %
			TDD		
10778	AAB	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1	8.34	± 9.6 %
			TDD		
10780	AAB	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1	8.38	±9.6 %
			TDD		
10781	AAB	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1	8.38	± 9.6 %
1			TDD		
10782	AAB	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1	8.43	± 9.6 %
10102	1,000	1 00 mm (Or Or Divi, 00 /0 MD, 00 MHZ, Qr ON, 10 MHZ)	Too willing	0.70	1 0.0 /0

			TDD	· · · · · · · · · · · · · · · · · · ·	
10783	AAB	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10784	AAB	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %
10785	AAB	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAB	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAB	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1	8.44	± 9.6 %
10788	AAB	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1	8.39	± 9.6 %
10789	AAB	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1	8.37	± 9.6 %
10790	AAB	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	TDD 5G NR FR1	8.39	± 9.6 %
10791	AAB	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	7.83	± 9.6 %
10792	AAB	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	7.92	± 9.6 %
10793	AAB	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	7.95	± 9.6 %
10794	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	7.82	± 9.6 %
10795	AAB	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	7.84	± 9.6 %
10796	AAB	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	7.82	± 9.6 %
10797	AAB	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	8.01	± 9.6 %
10798	AAB	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	7.89	± 9.6 %
10799	AAB	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	7.93	± 9.6 %
10801	AAB	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	7.89	± 9.6 %
10802	AAB	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	7.87	± 9.6 %
10803	AAB	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	7.93	± 9.6 %
10805	AAB	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	8.34	± 9.6 %
10806	AAB	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	8.37	± 9.6 %
10809	AAB	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	8.34	± 9.6 %
10810	AAB	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	8.34	± 9.6 %
10812	AAB	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	TDD		± 9.6 %
			5G NR FR1 TDD	8.35	
10817	AAB	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAB	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAB	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAB	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10821	AAB	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10822	AAB	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10823	AAB	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10824	AAB	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1	8.39	± 9.6 %

	T		TDD		
10825	AAB	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1	8,41	± 9.6 %
10827	AAB	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1	8.42	± 9.6 %
10828	AAB	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10830	AAB	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10831	AAB	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAB	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAB	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAB	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1	7.70	± 9.6 %
10836	AAB	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	7.66	± 9.6 %
10837	AAB	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	7.68	± 9.6 %
10839	AAB	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1	7.70	± 9.6 %
10840	AAB	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1	7.67	± 9.6 %
10841	AAB	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	7.71	± 9.6 %
10843	AAB	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	8.49	± 9.6 %
10844	AAB	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	8.34	± 9.6 %
10846	AAB	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1	8.41	±9.6 %
10854	AAB	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	8.34	± 9.6 %
10855	AAB	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1	8.36	± 9.6 %
10856	AAB	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1	8.37	± 9.6 %
10857	AAB	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1	8.35	± 9.6 %
10858	AAB	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1	8.36	± 9.6 %
10859	AAB	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	8.34	± 9.6 %
10860	AAB	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1	8.41	± 9.6 %
10861	AAB	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	8.40	±9.6 %
10863	AAB	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	8.41	± 9.6 %
10864	AAB	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	8.37	± 9.6 %
10865	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	8.41	± 9.6 %
10866	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	5.68	± 9.6 %
10868	AAB	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	5.89	± 9.6 %
10869	AAC	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2	5.75	± 9.6 %
10870	AAC	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	TDD 5G NR FR2	5.86	± 9.6 %

			TDD	1	T
10871	AAC	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2		1
40070		'	TDD	5.75	± 9.6 %
10872	AAC	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAC	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2	6.61	± 9.6 %
10874	AAC	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2	8.39	± 9.6 %
10877	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2	7.95	± 9.6 %
10878	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2	8.41	± 9.6 %
10879	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2	8.12	± 9.6 %
10880	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2	8.38	± 9.6 %
10881	AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2	5.75	± 9.6 %
10882	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2	5.96	±9.6%
10883	AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2	6.57	± 9.6 %
10884	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2	6.53	± 9.6 %
10885	AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2	6.61	± 9.6 %
10886	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2	6.65	± 9.6 %
10887	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	TDD 5G NR FR2	7.78	± 9.6 %
10888	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	TDD 5G NR FR2	8.35	± 9.6 %
10889	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	TDD 5G NR FR2	8.02	± 9.6 %
10890	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	TDD 5G NR FR2	8.40	± 9.6 %
10891	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	TDD 5G NR FR2	8.13	± 9.6 %
10892	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %

<sup>&</sup>lt;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.

#### Calibration Laboratory of Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





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Client

**PC Test** 

Certificate No: EX3-3914\_Feb20

## **CALIBRATION CERTIFICATE**

Object

EX3DV4 - SN:3914

Calibration procedure(s)

QA CAL-01.v9, QA CAL-12.v9, QA CAL-14.v5, QA CAL-23.v5,

QA CAL-25,v7

Calibration procedure for dosimetric E-field probes

BN

Calibration date:

February 20, 2020

2-26

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 ± 3)°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	03-Apr-19 (No. 217-02892/02893)	Apr-20
Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Apr-20
Power sensor NRP-Z91	SN: 103245	03-Apr-19 (No. 217-02893)	Apr-20
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-19 (No. 217-02894)	Apr-20
DAE4	SN: 660	27-Dec-19 (No. DAE4-660_Dec19)	Dec-20
Reference Probe ES3DV2	SN: 3013	31-Dec-19 (No. ES3-3013_Dec19)	Dec-20
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-19)	In house check: Oct-20

Calibrated by:

Name
Function
Signature
Laboratory Technician

Approved by:

Katja Pokovic
Technical Manager

Issued: February 20, 2020

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

#### **Calibration Laboratory of**

Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland





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Glossary:

TSL NORMx,y,z tissue simulating liquid sensitivity in free space sensitivity in TSL / NORMx,y,z

ConvF DCP

diode compression point

CF A, B, C, D crest factor (1/duty\_cycle) of the RF signal modulation dependent linearization parameters

Polarization φ

φ rotation around probe axis

Polarization 9

9 rotation around an axis that is in the plane normal to probe axis (at measurement center),

i.e., 9 = 0 is normal to probe axis

Connector Angle

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information used in DASY system to align probe sensor X to the robot coordinate system

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

 a) 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

Techniques", June 2013

b) IEC 62209-1, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from handheld and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016

c) 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

d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

#### Methods Applied and Interpretation of Parameters:

 NORMx,y,z: Assessed for E-field polarization 9 = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E²-field uncertainty inside TSL (see below ConvF).

• NORM(f)x,y,z = NORMx,y,z \* 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.

DCPx,y,z: 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

 Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: 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 ≤ 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 NORMx,y,z \* 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 ± 50 MHz to ± 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 NORMx (no uncertainty required).

# DASY/EASY - Parameters of Probe: EX3DV4 - SN:3914

**Basic Calibration Parameters** 

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m) <sup>2</sup> ) <sup>A</sup>	0.46	0.41	0.43	± 10.1 %
DCP (mV) <sup>B</sup>	102.6	106.5	103.5	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	g dB√h∧	С	D dB	VR mV	Max dev.	Max Unc <sup>E</sup> (k=2)
0	CW	Х	0.00	0.00	1.00	0.00	214.4	± 3.5 %	± 4.7 %
•	1	Y	0.00	0.00	1.00		200.3		
		Z	0.00	0.00	1.00		207.5		
10352-	Pulse Waveform (200Hz, 10%)	X	7.75	77.71	15.85	10.00	60.0	± 2.7 %	± 9.6 %
AAA	,	Y	11.66	83.08	17.93		60.0		
		Z	10.29	80.51	16.87		60.0		
10353-	Pulse Waveform (200Hz, 20%)	Х	18.15	87.22	17.38	6.99	80.0	± 1.7 %	± 9.6 %
AAA	,	Υ	20.00	89.62	18.64		80.0		
		Z	20.00	88.22	17.78		80.0		
10354-	Pulse Waveform (200Hz, 40%)	Х	20.00	86.76	15.35	3.98	95.0	± 1.2 %	± 9.6 %
AAA	, ,	Y	20.00	92.93	18.76		95.0		
		Z	20.00	87.16	15.59		95.0		
10355-	Pulse Waveform (200Hz, 60%)	X	0.59	63.45	6.66	2.22	120.0	± 1.3 %	± 9.6 %
AAA	,	Υ	20.00	99.25	20.34		120.0		
		Z	0.82	65.27	7.36		120.0		
10387-	QPSK Waveform, 1 MHz	Х	1.56	66.37	14.59	1.00	150.0	± 3.2 %	± 9.6 %
AAA		Y	1.79	68.82	16.26		150.0		]
		Z	1.59	67.54	15.14		150.0		
10388-	QPSK Waveform, 10 MHz	Х	2.14	68.01	15.57	0.00	150.0	± 1.0 %	± 9.6 %
AAA		Υ	2.35	69.94	16.82		150.0		
	***	Z	2.15	68.67	16.02		150.0		
10396-	64-QAM Waveform, 100 kHz	Х	2.61	68.51	17.77	3.01	150.0	± 0.7 %	± 9.6 %
AAA		Y	3.45	74.28	20.32		150.0		
		Z	2.64	69.01	18.05		150.0		
10399-	64-QAM Waveform, 40 MHz	X	3.47	67.23	15.79	0.00	150.0	± 2.0 %	± 9.6 %
AAA		Y	3.55	67.91	16.23		150.0		
		Z	3.44	67.38	15.93		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	Х	4.84	65.92	15.69	0.00	150.0	± 3.9 %	± 9.6 %
AAA		Υ	4.81	66.07	15.77	]	150.0	1	
		Z	4.74	65.87	15.70		150.0		1

Note: For details on UID parameters see Appendix

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%.

A The uncertainties of Norm X,Y,Z do not affect the E2-field uncertainty inside TSL (see Pages 5 and 6).

Numerical linearization parameter: uncertainty not required.

E 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:3914

#### **Sensor Model Parameters**

	C1	C2	α	T1	T2	Т3	T4	T5	Т6
	fF	fF	V-1	ms.V <sup>-2</sup>	ms.V <sup>-1</sup>	ms	V-2	V-1	
X	40.2	305.48	36.61	8.62	0.51	5.05	0.00	0.47	1.01
Υ	39.4	284.99	33.82	10.42	0.49	5.03	2.00	0.11	1.01
Z	37.1	279.52	36.22	8.29	0.63	5.05	0.10	0.45	1.01

#### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	-0.4
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

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## DASY/EASY - Parameters of Probe: EX3DV4 - SN:3914

#### 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)
6	55.5	0.75	21.74	21.74	21.74	0.00	1.00	± 13.3 %
13	55.5	0.75	18.50	18.50	18.50	0.00	1.00	± 13.3 %
750	41.9	0.89	10.14	10.14	10.14	0.59	0.80	± 12.0 %
835	41.5	0.90	9.73	9.73	9.73	0.53	0.83	± 12.0 %
1750	40.1	1.37	8.33	8.33	8.33	0.35	0.88	± 12.0 %
1900	40.0	1.40	7.98	7.98	7.98	0.35	0.88	± 12.0 %
2300	39.5	1.67	7.60	7.60	7.60	0.37	0.90	± 12.0 %
2450	39.2	1.80	7.34	7.34	7.34	0.31	0.90	± 12.0 %
2600	39.0	1.96	7.12	7.12	7.12	0.36	0.90	± 12.0 %
5250	35.9	4.71	5.25	5.25	5.25	0.40	1.80	± 13.1 %
5600	35.5	5.07	4.75	4.75	4.75	0.40	1.80	± 13.1 %
5750	35.4	5.22	4.90	4.90	4.90	0.40	1.80	± 13.1 %

 $<sup>^{\</sup>rm C}$  Frequency validity above 300 MHz of  $\pm$  100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to  $\pm$  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  $\pm$  10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to  $\pm$  110 MHz.

F At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) 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 (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the CopyE uncertainty for indicated target tissue parameters.

the ConvF uncertainty for indicated target tissue parameters.

Galpha/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:3914

#### Calibration Parameter Determined in Body Tissue Simulating Media

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity (S/m) F	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k=2)
750	55.5	0.96	9.85	9.85	9.85	0.46	0.80	± 12.0 %
835	55.2	0.97	9.58	9.58	9.58	0.45	0.80	± 12.0 %
1750	53.4	1.49	7.91	7.91	7.91	0.37	0.88	± 12.0 %
1900	53.3	1.52	7.58	7.58	7.58	0.33	0.88	± 12.0 %
2300	52.9	1.81	7.44	7.44	7.44	0.41	0.90	± 12.0 %
2450	52.7	1.95	7.29	7.29	7.29	0.37	0.90	± 12.0 %
2600	52.5	2.16	7.06	7.06	7.06	0.27	0.95	± 12.0 %
5250	48.9	5.36	4.56	4.56	4.56	0.50	1.90	± 13.1 %
5600	48.5	5.77	3.92	3.92	3.92	0.50	1.90	± 13.1 %
5750	48.3	5.94	4.06	4.06	4.06	0.50	1.90	± 13.1 %

<sup>&</sup>lt;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. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

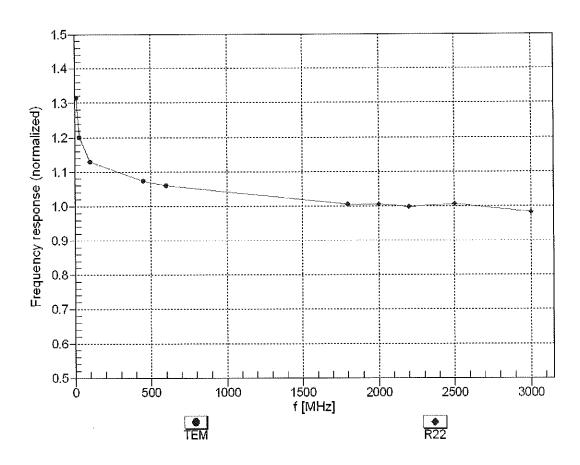
<sup>6</sup> MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

F At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) 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 (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated farget fissue parameters.

the ConvF uncertainty for indicated target tissue parameters.

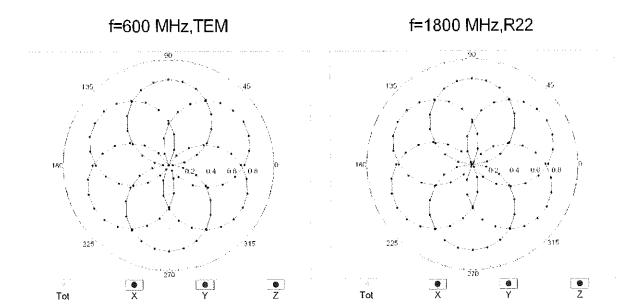
Galpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the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

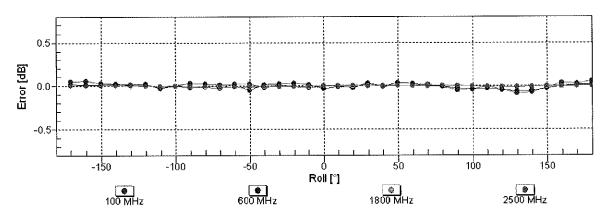
# Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

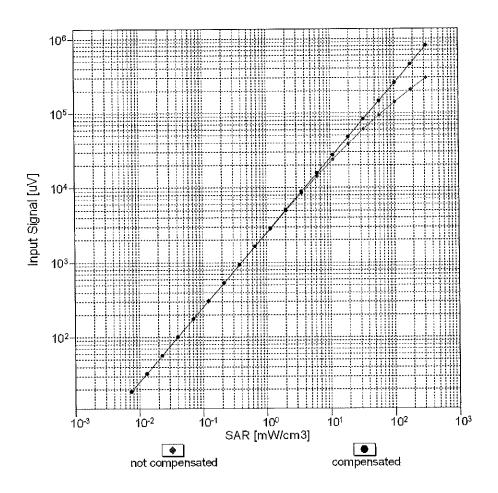
# Receiving Pattern ( $\phi$ ), $\theta$ = 0°

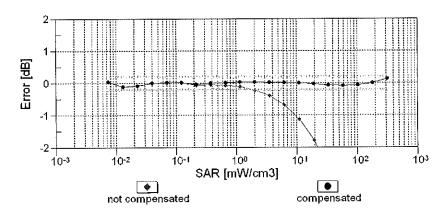




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

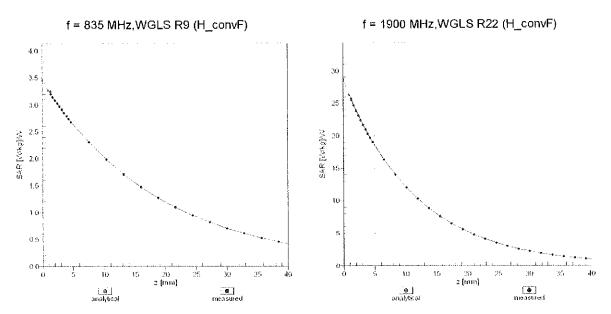
# Dynamic Range f(SAR<sub>head</sub>) (TEM cell , f<sub>eval</sub>= 1900 MHz)





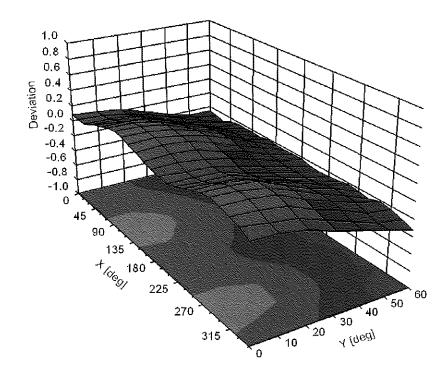
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

# **Conversion Factor Assessment**



# **Deviation from Isotropy in Liquid**

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



### **Appendix: Modulation Calibration Parameters**

UID	Rev	Communication System Name	Group	PAR	Unc <sup>E</sup>
0	-	CW	cw	(dB)	(k=2)
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	0.00	± 4.7 %
10011	CAB	UMTS-FDD (WCDMA)	WCDMA	10.00	± 9.6 %
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	2.91 1.87	± 9.6 % ± 9.6 %
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	± 9.6 %
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.40	
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	± 9.6 % ± 9.6 %
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	± 9.6 %
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	± 9.6 %
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	± 9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	± 9.6 %
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	± 9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	± 9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	± 9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	± 9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	± 9.6 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	± 9.6 %
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	± 9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	± 9.6 %
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	± 9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	± 9.6 %
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	± 9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	± 9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	± 9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	± 9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	± 9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	± 9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	± 9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	± 9.6 %
10062	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	± 9.6 %
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	± 9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	± 9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	± 9.6 %
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	± 9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6%
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	± 9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	± 9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6 %
10097	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098 10099	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6 %
	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6 %
10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	± 9.6 %
10101 10102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6 %
10102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6%
10103	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TOD	9.29	±9.6 %
10104	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6%
10103	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	10.01	± 9.6 %
10100	1 0/10	LILIDD (OUT DINA, 10070 NO, 10 MITZ, QEON)	LTE-FDD	5.80	± 9.6 %

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10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	± 9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	± 9.6 %
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10114	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10115	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
10117	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	± 9.6 %
10118	CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	± 9.6 %
10119	CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	± 9.6 %
10140	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	± 9.6 %
10142	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10143	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6 %
10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	± 9.6 %
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	± 9.6 %
10147	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6%
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6 %
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10151	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	± 9,6 %
10152	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10153	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	± 9.6 %
10154	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10155	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10158	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	± 9.6 %
10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	± 9.6 %
10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.6%
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	± 9.6 %
10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	± 9.6 %
10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10171	AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	± 9.6 %
10172	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10173	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10174	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10175	CAG		LTE-FDD	5.72	± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10177	CAI	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10179	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10181	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10184	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10185	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	± 9.6 %
10186	AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10187	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10188	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10189	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10193	CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6%
10196	CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6 %
10198	CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %
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10220	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10221	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10222	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 9.6 %
10223	CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10224	CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	± 9.6 %
10225	CAB	UMTS-FDD (HSPA+)	WCDMA	5.97	± 9.6 %
10226	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10227	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD		
10229				9.22	± 9.6 %
	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10230	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9.6 %
10231	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10235	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10240	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10241	CAB				
10241		LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TOD	9.82	± 9.6 %
	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6%
10243	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	±9.6 %
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10245	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6 %
10246	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	± 9.6 %
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6 %
10249	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	± 9.6 %
10251	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6 %
10252	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 9.6 %
10254	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	± 9.6 %
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10256	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6 %
10257	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	± 9.6 %
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %
10260	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
10261	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TOD	9.24	± 9.6 %
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.6%
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.03	± 9.6 %
10209	CAF	LTE-TDD (SC-PDMA, 100% RB, 15 MHz, 04-QAW)			~,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
			LTE-TDD	9.58	±9.6%
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10275	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	±9.6%
10277	CAA	PHS (QPSK)	PHS	11.81	±9.6%
10278	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10279	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	±9.6%
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	± 9.6 %
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	± 9.6 %
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10297	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %
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10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10300	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	± 9.6 %
10301	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL	WIMAX	12.57	± 9.6 %
10302	~~~	symbols)	VVIIVIAX	12.57	1 3.0 %
10303	AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	± 9.6 %
10304	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	11.86	± 9.6 %
10305	AAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15	WiMAX	15.24	± 9.6 %
		symbols)			
10306	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18	WiMAX	14.67	± 9.6 %
		symbols)			
10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18	WiMAX	14.49	± 9.6 %
		symbols)			
10308	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WiMAX	14.46	± 9.6 %
10309	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18	WiMAX	14.58	± 9.6 %
40040		symbols)	A CIR A A A A	44.57	1060/
10310	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18	WIMAX	14.57	± 9.6 %
10311	AAD	symbols) LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10311	AAA	IDEN 1:3	iDEN	10.51	± 9.6 %
10314	AAA	IDEN 1:6	IDEN	13.48	± 9.6 %
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	± 9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	± 9.6 %
10317	AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	± 9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22 7.82	± 9.6 %
10410	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	1.02	I 9.0 %
40444	AAA	Subframe=2,3,4,7,8,9, Subframe Conf=4) WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10414 10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10417	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.14	± 9.6 %
,.	••••	Long preambule)			
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.19	± 9.6 %
	1	Short preambule)			
10422	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6 %
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10434	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60 7.82	± 9.6 %
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL	LTE-TDD	1.02	± 9.6 %
40447		Subframe=2,3,4,7,8,9)  LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-1M 3.1, Clipping 44%)	LTE-FDD	7.53	± 9.6 %
10448 10449	AAD AAC	LTE-FDD (OFDMA, 10 MHz, E-1M 3.1, Cliphin 44%)	LTE-FDD	7.51	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 19 MHz, E-1M 3.1, Cliping 44%)	LTE-FDD	7,48	± 9.6 %
			<u>, , ,                     </u>	, , , , ,	

10451	Ι Λ Λ Λ	M CDMA (DC Tool Model 4, C4 DDOUL Oliveir v 440)	TIMODAMA	7.50	
	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10453	AAD	Validation (Square, 10ms, 1ms)	Test	10.00	± 9.6 %
10456	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	± 9.6 %
10457	AAA	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±9.6%
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6%
10460	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	±9.6%
10461	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.82	±9.6%
		Subframe=2,3,4,7,8,9)			
10462	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.30	± 9.6 %
•		Subframe=2,3,4,7,8,9)			
10463	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.56	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10464	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
		Subframe=2,3,4,7,8,9)		1.02	
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
, , , , ,	, , , ,	Subframe=2,3,4,7,8,9)	,	0.02	2 0.0 /0
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10400	7010	Subframe=2,3,4,7,8,9)	LILTIDD	0.01	1 9.0 %
10467	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL	LTE-TDD	7.82	1069/
10407	$\Delta\Delta$	Subframe=2,3,4,7,8,9)	LIE-IDD	1.02	± 9.6 %
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL	I TE TOO	0.00	
10400	AAF		LTE-TDD	8.32	± 9.6 %
40460	A A E	Subframe=2,3,4,7,8,9)	LTE TOD	0.50	
10469	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.56	± 9.6 %
10170		Subframe=2,3,4,7,8,9)			
10470	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
<u> </u>		Subframe=2,3,4,7,8,9)			
10471	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.32	±9.6%
		Subframe=2,3,4,7,8,9)			
10472	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.57	±9.6%
		Subframe=2,3,4,7,8,9)			
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL	LTE-TDD	7.82	±9.6%
		Subframe=2,3,4,7,8,9)			
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.32	±9.6%
		Subframe=2,3,4,7,8,9)			
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.57	±9.6%
		Subframe=2,3,4,7,8,9)			
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.32	±9.6%
		Subframe=2,3,4,7,8,9)			
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.57	±9.6%
		Subframe=2,3,4,7,8,9)			
10479	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.74	±9.6%
		Subframe=2,3,4,7,8,9)			
10480	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.18	±9.6%
		Subframe=2,3,4,7,8,9)			- • • •
10481	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.45	± 9.6 %
''''		Subframe=2,3,4,7,8,9)		0.10	-0.0 /6
10482	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL	LTE-TDD	7.71	± 9.6 %
		Subframe=2,3,4,7,8,9)	,	'.''	= 0.0 /0
10483	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.39	± 9.6 %
10400	70.0	Subframe=2,3,4,7,8,9)	[ [ ]	0,00	2 5.0 70
10484	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.47	± 9.6 %
10404	74.0	Subframe=2,3,4,7,8,9)	LIL-100	0.47	1 2.0 /6
10485	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL	LTE-TDD	7.59	± 9.6 %
10465	AAF	Subframe=2,3,4,7,8,9)	LIE-IDD	1.08	19.076
10496	A A E	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL	LTC TOD	0.20	1000
10486	AAF		LTE-TDD	8.38	± 9.6 %
40407	A A F	Subframe=2,3,4,7,8,9)	I TE TOO	0.00	1000
10487	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.60	± 9.6 %
40400	A A F	Subframe=2,3,4,7,8,9)	LICIOS	7.70	1000
10488	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL	LTE-TDD	7.70	± 9.6 %
40400	A A E	Subframe=2,3,4,7,8,9)	1	0.04	1000
10489	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.31	± 9.6 %
40400	A A =	Subframe=2,3,4,7,8,9)	1 75 75-	0.51	1000
10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
		Subframe=2,3,4,7,8,9)			<u> </u>

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10528         AAB         IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10529         AAB         IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10531         AAB         IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)         WLAN         8.43         ± 9.6 %						
10492   AAE   LTE-TDD (SC-PDMA, 50% RB, 15 MHz, 16-QAM, UL   LTE-TDD   8.41   2.9.8 %   LTE-TDD (SC-PDMA, 50% RB, 15 MHz, 16-QAM, UL   LTE-TDD   8.55   2.9.6 %   LTE-TDD (SC-PDMA, 50% RB, 15 MHz, 26+QAM, UL   LTE-TDD   8.55   2.9.6 %   LTE-TDD (SC-PDMA, 50% RB, 20 MHz, QPSK, UL   LTE-TDD   8.57   2.9.6 %   LTE-TDD (SC-PDMA, 50% RB, 20 MHz, 16-QAM, UL   LTE-TDD   8.37   2.9.6 %   LTE-TDD (SC-PDMA, 50% RB, 20 MHz, 16-QAM, UL   LTE-TDD   8.37   2.9.6 %   LTE-TDD (SC-PDMA, 50% RB, 20 MHz, 16-QAM, UL   LTE-TDD   8.54   2.9.6 %   LTE-TDD (SC-PDMA, 50% RB, 20 MHz, 64-QAM, UL   LTE-TDD   8.54   2.9.6 %   LTE-TDD (SC-PDMA, 50% RB, 1.4 MHz, 64-QAM, UL   LTE-TDD   8.40   2.9.6 %   LTE-TDD (SC-PDMA, 100% RB, 1.4 MHz, 16-QAM, UL   LTE-TDD   8.40   2.9.6 %   LTE-TDD (SC-PDMA, 100% RB, 1.4 MHz, 16-QAM, UL   LTE-TDD   8.40   2.9.6 %   LTE-TDD (SC-PDMA, 100% RB, 3 MHz, 64-QAM, UL   LTE-TDD   8.40   2.9.6 %   LTE-TDD (SC-PDMA, 100% RB, 3 MHz, 64-QAM, UL   LTE-TDD   8.40   2.9.6 %   LTE-TDD (SC-PDMA, 100% RB, 3 MHz, 16-QAM, UL   LTE-TDD   8.44   2.9.6 %   LTE-TDD (SC-PDMA, 100% RB, 3 MHz, 64-QAM, UL   LTE-TDD   8.44   2.9.6 %   LTE-TDD (SC-PDMA, 100% RB, 3 MHz, 64-QAM, UL   LTE-TDD   8.44   2.9.6 %   LTE-TDD (SC-PDMA, 100% RB, 5 MHz, 64-QAM, UL   LTE-TDD   8.52   2.9.6 %   LTE-TDD (SC-PDMA, 100% RB, 5 MHz, 64-QAM, UL   LTE-TDD   8.52   2.9.6 %   LTE-TDD (SC-PDMA, 100% RB, 5 MHz, 64-QAM, UL   LTE-TDD   8.52   2.9.6 %   LTE-TDD (SC-PDMA, 100% RB, 5 MHz, 64-QAM, UL   LTE-TDD   8.52   2.9.6 %   LTE-TDD (SC-PDMA, 100% RB, 5 MHz, 16-QAM, UL   LTE-TDD   8.54   2.9.6 %   LTE-TDD (SC-PDMA, 100% RB, 5 MHz, 16-QAM, UL   LTE-TDD   8.54   2.9.6 %   LTE-TDD (SC-PDMA, 100% RB, 5 MHz, 16-QAM, UL   LTE-TDD   8.54   2.9.6 %   LTE-TDD (SC-PDMA, 100% RB, 10 MHz, 16-QAM, UL   LTE-TDD   8.55   2.9.6 %   LTE-TDD (SC-PDMA, 100% RB, 10 MHz, 16-QAM, UL   LTE-TDD   8.55   2.9.6 %   LTE-TDD (SC-PDMA, 100% RB, 10 MHz, 16-QAM, UL   LTE-TDD   8.55   2.9.6 %   LTE-TDD (SC-PDMA, 100% RB, 10 MHz, 16-QAM, UL   LTE-TDD   8.55   2.9.6 %   LTE-TDD (SC-PDMA, 100% RB	10491	AAE		LTE-TDD	7.74	± 9.6 %
10493	10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.41	± 9.6 %
10494	10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.55	± 9.6 %
10495	10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
10496	10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.37	± 9.6 %
10497	10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
10498	10497	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.67	± 9.6 %
Subframe=2,3,4,7,8,9	10498	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.40	± 9.6 %
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM, UL   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM, UL   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM, UL   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G4-QAM, UL   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GPSK, UL   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, GPSK, UL   LTE-TDD (SC-FDMA, 100% RB, 2	10499	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.68	± 9.6 %
Subframe=2,3,4,7,8,9	10500	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	± 9.6 %
Subframe=2,3,4,7,8,9	10501	AAC		LTE-TDD	8.44	± 9.6 %
10503	10502	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8,52	± 9.6 %
Subframe=2,3,4,7,8,9    Subf			LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD		
Subframe=2,3,4,7,8,9    Subf		AAF	Subframe=2,3,4,7,8,9)			
Subframe=2,3,4,7,8,9			Subframe=2,3,4,7,8,9)			
Subframe=2,3,4,7,8,9			Subframe=2,3,4,7,8,9)			
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD   \$1.9.6 %   Subframe=2,3,4,7,8,9)   Subframe=2,3,4,7,8,9)   Subframe=2,3,4,7,8,9)   Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   Subframe=2,3,4,7,8,9)			Subframe=2,3,4,7,8,9)			
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL   LTE-TDD   8.49   ± 9.6 %   Subframe=2,3,4,7,8,9)			Subframe=2,3,4,7,8,9)			
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL   LTE-TDD   S.51   ±9.6 %   Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL   LTE-TDD   T.74   ±9.6 %   Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL   LTE-TDD   T.74   ±9.6 %   Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL   LTE-TDD   S.42   ±9.6 %   Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL   LTE-TDD   S.45   ±9.6 %   Subframe=2,3,4,7,8,9			Subframe=2,3,4,7,8,9)			
Subframe=2,3,4,7,8,9    LTE-TDD   SC-FDMA, 100% RB, 20 MHz, QPSK, UL   LTE-TDD   T.74   ±9.6 %   Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL   LTE-TDD   S.42   ±9.6 %   Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL   LTE-TDD   S.45   ±9.6 %   Subframe=2,3,4,7,8,9    Subframe=2,3,4,7,8,9    ULAN   Subframe=2,3,4,7,8,9    ULAN   Subframe=2,3,4,7,8,9    ULAN   S.58   ±9.6 %			Subframe=2,3,4,7,8,9)			
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDM, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDM, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDM, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDM, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDM, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDM, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDM, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDM, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDM, 100% RB, 20 MHz, 20 MHz, 100% RB, 20 MHz,			Subframe=2,3,4,7,8,9)			
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)			Subframe=2,3,4,7,8,9)			
Subframe=2,3,4,7,8,9)           10515         AAA         IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)         WLAN         1.58         ± 9.6 %           10516         AAA         IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)         WLAN         1.57         ± 9.6 %           10517         AAA         IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)         WLAN         1.58         ± 9.6 %           10518         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)         WLAN         8.23         ± 9.6 %           10519         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10520         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)         WLAN         8.12         ± 9.6 %           10521         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)         WLAN         7.97         ± 9.6 %           10522         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10523         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)         WLAN         8.27         ± 9.6 %           10524         AAB         IEEE 802.11ac WiFi (20MHz, MCS0, 99pc			Subframe=2,3,4,7,8,9)			
10516       AAA       IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)       WLAN       1.57       ± 9.6 %         10517       AAA       IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)       WLAN       1.58       ± 9.6 %         10518       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)       WLAN       8.23       ± 9.6 %         10519       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)       WLAN       8.39       ± 9.6 %         10520       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)       WLAN       8.12       ± 9.6 %         10521       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)       WLAN       7.97       ± 9.6 %         10522       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MH			Subframe=2,3,4,7,8,9)			
10517       AAA       IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)       WLAN       1.58       ± 9.6 %         10518       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)       WLAN       8.23       ± 9.6 %         10519       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)       WLAN       8.39       ± 9.6 %         10520       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)       WLAN       8.12       ± 9.6 %         10521       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)       WLAN       7.97       ± 9.6 %         10522       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 9						
10518       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)       WLAN       8.23       ± 9.6 %         10519       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)       WLAN       8.39       ± 9.6 %         10520       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)       WLAN       8.12       ± 9.6 %         10521       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)       WLAN       7.97       ± 9.6 %         10522       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty					<del></del>	
10519       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)       WLAN       8.39       ± 9.6 %         10520       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)       WLAN       8.12       ± 9.6 %         10521       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)       WLAN       7.97       ± 9.6 %         10522       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>± 9.6 %</td>						± 9.6 %
10519       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)       WLAN       8.39       ± 9.6 %         10520       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)       WLAN       8.12       ± 9.6 %         10521       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)       WLAN       7.97       ± 9.6 %         10522       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) </td <td>10518</td> <td>AAB</td> <td>IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)</td> <td>WLAN</td> <td>8.23</td> <td>± 9.6 %</td>	10518	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10520       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)       WLAN       8.12       ± 9.6 %         10521       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)       WLAN       7.97       ± 9.6 %         10522       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	10519	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	
10521       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)       WLAN       7.97       ± 9.6 %         10522       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN						
10522       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %						
10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %						
10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %						
10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %						
10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %						<del></del>
10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %						
10528         AAB         IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10529         AAB         IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10531         AAB         IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)         WLAN         8.43         ± 9.6 %           10532         AAB         IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)         WLAN         8.29         ± 9.6 %					_	
10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %					·	± 9.6 %
10531         AAB         IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)         WLAN         8.43         ± 9.6 %           10532         AAB         IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)         WLAN         8.29         ± 9.6 %	10520				8.36	
10531         AAB         IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)         WLAN         8.43         ± 9.6 %           10532         AAB         IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)         WLAN         8.29         ± 9.6 %		AAR	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	WLAN	8.36	
10532 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) WLAN 8.29 ± 9.6 %		1 770				
	10529	<del></del>		WLAN	8.43	± 9.6 %
TOUGO I AND THEE OUZ, THU WHELKOWING, WOOD, BUILD GUILD GUILD I WEAR I A.38 I # 9.5 %.	10529 10531	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)			± 9.6 % ± 9.6 %

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10524	A A D	IFFE 000 44 to MIFE (408MHz, MACCO, 00mg duty, souls)	LAG ANI	0.45	1000
10534 10535	AAB AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle) IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	WLAN WLAN	8.45 8.45	± 9.6 % ± 9.6 %
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	WLAN	8.32	± 9.6 %
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	WLAN	8.44	± 9.6 %
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	WLAN	8.47	± 9.6 %
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	WLAN	8.35	± 9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6%
10550	AAB	IEEE 802,11ac WiFi (80MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±9.6%
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10553	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6%
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6%
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	WLAN	8.52	± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	WLAN	8.61	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	WLAN	8.73	± 9.6 %
10561	. AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10566	AAA	IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty	WLAN	8.13	± 9.6 %
10567	AAA	cycle)   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty   cycle)	WLAN	8.00	±9.6%
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	±9.6 %
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	±9.6%
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	± 9.6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6%
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6 %
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6%
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	± 9.6 %
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	± 9.6 %
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	± 9.6 %
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10583	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10584	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	± 9.6 %
10585	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6 %
10586	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	± 9.6 %

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10587	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	± 9.6 %
10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	± 9.6 %
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.63	± 9.6 %
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)			
	-	(ITEE 002.11) (IT Mixed, 20MHz, MOS2, 90pc duty cycle)	WLAN	8.64	±9.6%
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	WLAN	8.50	± 9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	WLAN	9.03	± 9.6 %
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)			
10606	AAB	FEET 902 44n (LIT Mixed, 40MUL, MOST, 90pt duty cycle)	WLAN	8.97	± 9.6 %
		IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	WLAN	8.64	±9.6%
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	WLAN	8.57	± 9.6 %
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	WLAN		
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)		8.82	± 9.6 %
			WLAN	8.81	± 9.6 %
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	WLAN	8.58	± 9.6 %
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	WLAN	8.87	± 9.6 %
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	WLAN	8.68	± 9.6 %
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN	8.71	
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)			± 9.6 %
10630	AAB		WLAN	8.85	± 9.6 %
		IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6%
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	WLAN		
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)		8.98	±9.6%
10642	AAC		WLAN	9.06	± 9.6 %
10643		IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	WLAN	9.06	± 9.6 %
	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN	9.11	± 9.6 %
10646	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6%
10652	AAE	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAE	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
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10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6 %
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %
10671	AAA	IEEE 802.11ax (20MHz, MCS0, 90pc duty cycle)	WLAN	9.09	±9.6 %
10672 10673	AAA	IEEE 802.11ax (20MHz, MCS1, 90pc duty cycle)	WLAN	8.57	± 9.6 %
10674	AAA AAA	IEEE 802.11ax (20MHz, MCS2, 90pc duty cycle) IEEE 802.11ax (20MHz, MCS3, 90pc duty cycle)	WLAN WLAN	8.78 8.74	± 9.6 % ± 9.6 %
10675	AAA	IEEE 802.11ax (20MHz, MCS3, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10676	AAA	IEEE 802.11ax (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10677	AAA	IEEE 802.11ax (20MHz, MCS6, 90pc duty cycle)	WLAN	8.73	± 9.6 %
10678	AAA	IEEE 802.11ax (20MHz, MCS7, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10679	AAA	IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10680	AAA	IEEE 802.11ax (20MHz, MCS9, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10681	AAA	IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle)	WLAN	8.62	± 9.6 %
10682	AAA	IEEE 802.11ax (20MHz, MCS11, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10684	AAA	IEEE 802.11ax (20MHz, MCS1, 99pc duty cycle)	WLAN	8.26	± 9.6 %
10685	AAA	IEEE 802.11ax (20MHz, MCS2, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10686 10687	AAA AAA	IEEE 802.11ax (20MHz, MCS3, 99pc duty cycle) IEEE 802.11ax (20MHz, MCS4, 99pc duty cycle)	WLAN	8.28	±9.6%
10688	AAA	IEEE 802.11ax (20MHz, MCS5, 99pc duty cycle)	WLAN WLAN	8.45 8.29	± 9.6 % ± 9.6 %
10689	AAA	IEEE 802.11ax (20MHz, MCS6, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10690	AAA	IEEE 802.11ax (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10691	AAA	IEEE 802.11ax (20MHz, MCS8, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc duty cycle)	WLAN	8.57	± 9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc duty cycle)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc duty cycle)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10700 10701	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc duty cycle) IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)	WLAN WLAN	8.73 8.86	± 9.6 % ± 9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc duty cycle)	WLAN	8.70	±9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc duty cycle)	WLAN	8.56	± 9.6 %
10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc duty cycle)	WLAN	8.69	± 9.6 %
10706	AAA	IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle)	WLAN	8.66	±9.6%
10707	AAA	IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle)	WLAN	8.32	± 9.6 %
10708	AAA	IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10709	AAA	IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10710	AAA	IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10711	AAA	IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10712	AAA	IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)	WLAN	8.67	± 9.6 %
10713	AAA	IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)	WLAN	8.33	±9.6%
10714	AAA	IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle) IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)	WLAN WLAN	8.26 8.45	± 9.6 % ± 9.6 %
10716	AAA	IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6 %
10717	AAA	IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10718	AAA	IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)	WLAN	8.24	± 9.6 %
10719	AAA	IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10720	AAA	IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±9.6 %
10721	AAA	IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10722	AAA	IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)	WLAN	8.55	± 9.6 %
10723	AAA	IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10724	AAA	IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10725	AAA	IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10726	AAA	IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle)	WLAN	8.72	± 9.6 %

10727	AAA	IEEE 802.11ax (80MHz, MCS8, 90pc duty cycle)	WLAN	0.66	+069/
10728	AAA	IEEE 802.11ax (80MHz, MCS9, 90pc duty cycle)	WLAN	8.66	±9.6 %
10729	AAA			8.65	±9.6 %
10729	AAA	IEEE 802.11ax (80MHz, MCS10, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10730	AAA	IEEE 802.11ax (80MHz, MCS11, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10731	<del></del>	IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle)	WLAN	8.42	± 9.6 %
	AAA	IEEE 802.11ax (80MHz, MCS1, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10733	AAA	IEEE 802.11ax (80MHz, MCS2, 99pc duty cycle)	WLAN	8.40	± 9.6 %
10734	AAA	IEEE 802.11ax (80MHz, MCS3, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10735	AAA	IEEE 802.11ax (80MHz, MCS4, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10736	AAA	IEEE 802.11ax (80MHz, MCS5, 99pc duty cycle)	WLAN	8.27	± 9.6 %
10737	AAA	IEEE 802.11ax (80MHz, MCS6, 99pc duty cycle)	WLAN	8.36	±9.6%
10738	AAA	IEEE 802.11ax (80MHz, MCS7, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10739	AAA	IEEE 802.11ax (80MHz, MCS8, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10740	AAA	IEEE 802.11ax (80MHz, MCS9, 99pc duty cycle)	WLAN	8.48	±9.6 %
10741	AAA	IEEE 802.11ax (80MHz, MCS10, 99pc duty cycle)	WLAN	8.40	± 9.6 %
10742	AAA	IEEE 802.11ax (80MHz, MCS11, 99pc duty cycle)	WLAN	8.43	± 9.6 %
10743	AAA	IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10744	AAA	IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)	WLAN	9.16	± 9.6 %
10745	AAA	IEEE 802.11ax (160MHz, MCS2, 90pc duty cycle)	WLAN	8.93	± 9.6 %
10746	AAA	IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)	WLAN	9.11	± 9.6 %
10747	AAA	IEEE 802.11ax (160MHz, MCS4, 90pc duty cycle)	WLAN	9.04	± 9.6 %
10748	AAA	IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle)	WLAN	8.93	± 9.6 %
10749	AAA	IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10750	AAA	IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10751	AAA	IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10752	AAA	IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10753	AAA	IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)	WLAN	9.00	± 9.6 %
10754	AAA	IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10755	AAA	IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)	WLAN		
10756	AAA	IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)	WLAN	8.64	± 9.6 %
10757	AAA	IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10758	AAA	IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)		8.77	±9.6 %
10759	AAA		WLAN	8.69	± 9.6 %
10760	AAA	IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)	WLAN	8.58	± 9.6 %
	<del></del>	IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10761	AAA	IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)	WLAN	8.58	± 9.6 %
10762	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10763	AAA	IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)	WLAN	8.53	± 9.6 %
10764	AAA	IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10765	AAA	IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10766	AAA	IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)	WLAN	8.51	± 9.6 %
10767	AAB	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1	7.99	± 9.6 %
			TDD		
10768	AAB	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1	8.01	± 9.6 %
			TDD		
10769	AAB	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1	8.01	± 9.6 %
			TDD		
10770	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1	8.02	± 9.6 %
			TDD		
10771	AAB	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1	8.02	± 9.6 %
		·	TDD		
10772	AAB	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1	8,23	± 9.6 %
		· ·	TDD		•
10773	AAB	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1	8.03	± 9.6 %
		·	TDD		1
10774	AAB	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1	8.02	± 9.6 %
		,	TDD	. =-	
10776	AAB	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1	8.30	± 9.6 %
		, , , , , , , , , , , , , , , , , , , ,	TDD	5.00	U.O /U
10778	AAB	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1	8.34	± 9.6 %
			TDD	0.04	20.070
10780	AAB	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1	8.38	± 9.6 %
			TDD	0,00	± 0.0 /0
10781	AAB	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1	8.38	± 9.6 %
		Company of the second s	TDD	0,00	± 0.0 /0
-					

10782	AAB	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1	8.43	± 9.6 %
10783	AAB	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1	8.31	± 9.6 %
10784	AAB	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1	8.29	±9.6%
10785	AAB	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1	8.40	± 9.6 %
10786	AAB	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1	8.35	± 9.6 %
10787	AAB	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1	8.44	± 9.6 %
10788	AAB	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1	8.39	± 9.6 %
10789	AAB	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1	8.37	± 9.6 %
10790	AAB	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1	8.39	± 9.6 %
10791	AAB	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1	7.83	± 9.6 %
10792	AAB	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1	7.92	± 9.6 %
10793	AAB	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1	7.95	± 9.6 %
10794	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1	7.82	± 9.6 %
10795	AAB	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1	7.84	± 9.6 %
10796	AAB	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1	7.82	± 9.6 %
10797	AAB	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1	8.01	±9.6%
10798	AAB	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1	7.89	± 9.6 %
10799	AAB	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1	7.93	± 9.6 %
10801	AAB	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1	7.89	± 9.6 %
10802	AAB	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6%
10803	AAB	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAB	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAB	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAB	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAB	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAB	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAB	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAB	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAB	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAB	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10821	AAB	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10822	AAB	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10823	AAB	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	± 9.6 %

10824	AAB	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1	8.39	± 9.6 %
10825	AAB	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1	8.41	± 9.6 %
10827	AAB	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1	8.42	± 9.6 %
10828	AAB	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1	8.43	± 9.6 %
10829	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10830	AAB	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1	7.63	± 9.6 %
10831	AAB	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAB	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAB	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7,75	±9.6 %
10835	AAB	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6 %
10836	AAB	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAB	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAB	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840	AAB	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAB	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 9.6 %
10843	AAB	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAB	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAB	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAB	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAB	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10856	AAB	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAB	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAB	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAB	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10860	AAB	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10861	AAB	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAB	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAB	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAB	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAC	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %

10870	AAC	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2	5.86	± 9.6 %
10871	AAC	SC ND (DET a OFDM 4 DD 400 MHz 400 MHz 400 MHz)	TDD		<u> </u>
		5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAC	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAC	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2	6.61	± 9.6 %
10874	AAC	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2	7.78	± 9.6 %
10876	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 9.6 %
10877	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2	8.41	±9.6 %
10879	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2	8.12	± 9.6 %
10880	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2	8.38	± 9.6 %
10881	AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2	5.75	± 9.6 %
10882	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2	6.57	± 9.6 %
10884	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2	6.61	± 9.6 %
10886	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2	6.65	± 9.6 %
10887	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2	7.78	± 9.6 %
10888	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2	8.40	± 9.6 %
10891	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2	8.41	± 9.6 %

<sup>&</sup>lt;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.

# Calibration Laboratory of Schmid & Partner

Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





Schweizerischer Kalibrierdienst Service suisse d'étalonnage Servizio svizzero di taratura Swiss Calibration Service

Accreditation No.: SCS 0108

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Client

**PC Test** 

Certificate No: EX3-7357\_Apr19

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## **CALIBRATION CERTIFICATE**

Object

EX3DV4 - SN:7357

Calibration procedure(s)

QA CAL-01.v9, QA CAL-12.v9, QA CAL-14.v5, QA CAL-23.v5,

QA CAL-25.v7

Calibration procedure for dosimetric E-field probes

BN 4-29-2010

Calibration date:

April 24, 2019

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 ± 3)°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	03-Apr-19 (No. 217-02892/02893)	Apr-20
Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Apr-20
Power sensor NRP-Z91	SN: 103245	03-Apr-19 (No. 217-02893)	Apr-20
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-19 (No. 217-02894)	Apr-20
DAE4	SN: 660	19-Dec-18 (No. DAE4-660_Dec18)	Dec-19
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec18)	Dec-19
Secondary Standards	(D	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check; Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-18)	In house check: Oct-19

Calibrated by:

Claudio Leubler

Claudio Leubler

Laboratory Technician

Approved by:

Katja Pokovic

Technical Manager

Issued: April 24, 2019

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

## **Calibration Laboratory of**

Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland





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Swiss Calibration Service

Accreditation No.: SCS 0108

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Glossary:

TSL NORMx,y,z tissue simulating liquid sensitivity in free space

ConvF DCP sensitivity in TSL / NORMx,y,z diode compression point

CF A, B, C, D crest factor (1/duty\_cycle) of the RF signal modulation dependent linearization parameters

Polarization φ

φ rotation around probe axis

Polarization 9

9 rotation around an axis that is in the plane normal to probe axis (at measurement center),

i.e., 9 = 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:

- a) 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
- b) IEC 62209-1, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from handheld and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- c) 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
- d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

#### Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization 9 = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E²-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z \* 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.
- DCPx,y,z: 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
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: 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 ≤ 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 NORMx,y,z \* 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 ± 50 MHz to ± 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 NORMx (no uncertainty required).

EX3DV4 - SN:7357

# DASY/EASY - Parameters of Probe: EX3DV4 - SN:7357

### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m)²) <sup>A</sup>	0.37	0.48	0.41	± 10.1 %
DCP (mV) <sup>B</sup>	87.5	101.0	95.2	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc <sup>E</sup> (k=2)
0	CW	Х	0.00	0.00	1.00	0.00	175.5	± 2.7 %	± 4.7 %
		Y	0.00	0.00	1.00	1	162.7		
		Z	0.00	0.00	1.00	1	160.1		
10352-	Pulse Waveform (200Hz, 10%)	Х	1.63	60.99	8.59	10.00	60.0	± 3.2 %	± 9.6 %
AAA	· ·	Υ	15.00	88.78	20.10		60.0		
		Z	1.92	62,77	9.39	1	60.0		
10353-	Pulse Waveform (200Hz, 20%)	Х	1.28	62.05	7.66	6.99	80.0	± 2.1 %	± 9.6 %
AAA		Y	15.00	92.12	20.60		80.0		
		Z	1.44	63.37	8.24	1	80.0		
10354-	Pulse Waveform (200Hz, 40%)	X	0.53	60.00	5.08	3.98	95.0	± 1.2 %	± 9.6 %
AAA		Y	15.00	98.74	22.38		95.0		
		Z	0.50	60.00	4.96		95.0		
10355-	Pulse Waveform (200Hz, 60%)	X	0.34	60.00	3.46	2.22	120.0	± 1.3 %	± 9.6 %
AAA		Y	15.00	122.09	31.59		120.0		
	<u> </u>	Z	0.32	60.00	3.17		120.0		
10387-	QPSK Waveform, 1 MHz	Х	0.47	60.00	5.85	0.00	150.0	± 3.4 %	± 9.6 %
AAA		Υ	0.84	63.60	10.73		150.0		
		Z	0.47	60.00	5.64		150.0		
10388-	QPSK Waveform, 10 MHz	X	2.22	69.17	16.45	0.00	150.0	± 1.2 %	± 9.6 %
AAA		Υ	2.39	69.28	16.48		150.0		
		Z	2.05	67.86	15.44	1	150.0		
10396-	64-QAM Waveform, 100 kHz	Х	1.74	66.32	18.65	3.01	150.0	± 6.4 %	± 9.6 %
AAA		Υ	3.21	72.13	19.45		150.0		
		Z	2.50	68.64	18.00		150.0		
10399-	64-QAM Waveform, 40 MHz	X	3.50	67.46	16.21	0.00	150.0	± 2.5 %	± 9.6 %
AAA		Υ	3.59	67.57	16.11		150.0		
		Z	3.40	67.11	15.75		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	Х	4.79	65.80	15.93	0.00	150.0	± 4.6 %	± 9.6 %
AAA		Υ	4.92	65.80	15.71	]	150.0		
		Z	4.73	65.72	15.66		150.0		

Note: For details on UID parameters see Appendix

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%.

A The uncertainties of Norm X,Y,Z do not affect the E²-field uncertainty inside TSL (see Pages 5 and 6).

B Numerical linearization parameter: uncertainty not required.

C 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:7357

## **Sensor Model Parameters**

	C1 fF	C2 fF	α V <sup>-1</sup>	T1 ms.V <sup>-2</sup>	T2 ms.V <sup>-1</sup>	T3 ms	T4 V <sup>-2</sup>	T5 V <sup>-1</sup>	Т6
X	37.3	299.85	40.64	5.98	0.77	5.00	0.00	0.00	1.02
Υ	48.9	366.83	35.90	10.43	0.11	5.09	1.58	0.24	1.01
Z	37.8	294.77	38.42	5.12	0.55	5.04	0.00	0.43	1.01

## **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	14.2
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

# DASY/EASY - Parameters of Probe: EX3DV4 - SN:7357

## Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity (S/m) F	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k=2)
64	54.2	0.75	14.77	14.77	14.77	0.00	1.00	± 13.3 %
750	41.9	0.89	10.26	10.26	10.26	0.45	0.95	± 12.0 %
835	41.5	0.90	9.91	9.91	9.91	0.53	0.85	± 12.0 %
1750	40.1	1.37	8.69	8.69	8.69	0.35	0.80	± 12.0 %
1900	40.0	1.40	8.26	8.26	8.26	0.33	0.84	± 12.0 %
2300	39.5	1.67	7.70	7.70	7.70	0.33	0.85	± 12.0 %
2450	39.2	1.80	7.57	7.57	7.57	0.39	0.85	± 12.0 %
2600	39.0	1.96	7.31	7.31	7.31	0.40	0.80	± 12.0 %
5250	35.9	4.71	5.45	5.45	5.45	0.40	1.80	± 13.1 %
5600	35.5	5.07	4.85	4.85	4.85	0.40	1.80	± 13.1 %
5750	35.4	5.22	5.06	5.06	5.06	0.40	1.80	± 13.1 %

<sup>&</sup>lt;sup>c</sup> Frequency validity above 300 MHz of  $\pm$  100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to  $\pm$  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  $\pm$  10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to  $\pm$  110 MHz.

<sup>6</sup> MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

F At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) 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 (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

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 ± 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:7357

## 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>6</sup> (mm)	Unc (k=2)
750	55.5	0.96	10.19	10.19	10.19	0.37	0.96	± 12.0 %
835	55.2	0.97	9.95	9.95	9.95	0.47	0.80	± 12.0 %
1750	53.4	1.49	8.26	8.26	8.26	0.35	0.85	± 12.0 %
1900	53.3	1.52	7.93	7.93	7.93	0.32	0.90	± 12.0 %
2300	52.9	1.81	7.72	7.72	7.72	0.30	0.85	± 12.0 %
2450	52.7	1.95	7.59	7.59	7.59	0.35	0.86	± 12.0 %
2600	52.5	2.16	7.39	7.39	7.39	0.32	0.89	± 12.0 %
5250	48.9	5.36	4.61	4.61	4.61	0.50	1.90	± 13.1 %
5600	48.5	5.77	4.03	4.03	4.03	0.50	1.90	± 13.1 %
5750	48.3	5.94	4.15	4.15	4.15	0.50	1.90	± 13.1 %

<sup>&</sup>lt;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. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

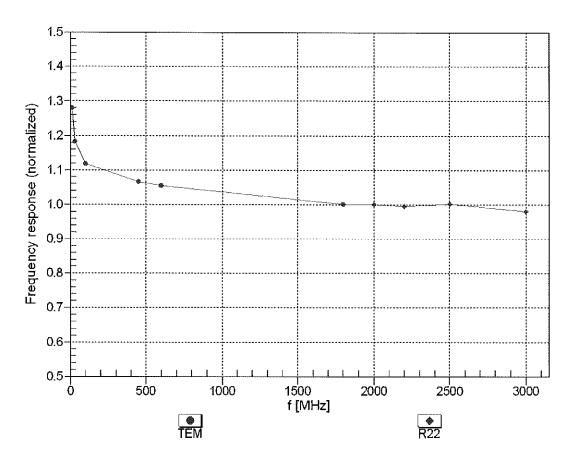
F At frequencies below 3 GHz, the validity of tissue parameters (e and a) can be relayed to ± 10% if liquid comprehensition formula is applied to

F At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) 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 (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

the ConvF uncertainty for indicated target tissue parameters.

Galpha/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)

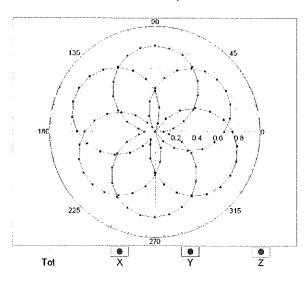


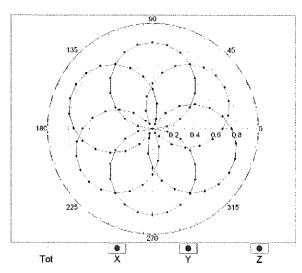
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

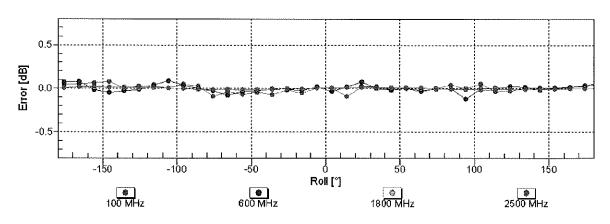
# Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$

f=600 MHz,TEM

f=1800 MHz,R22

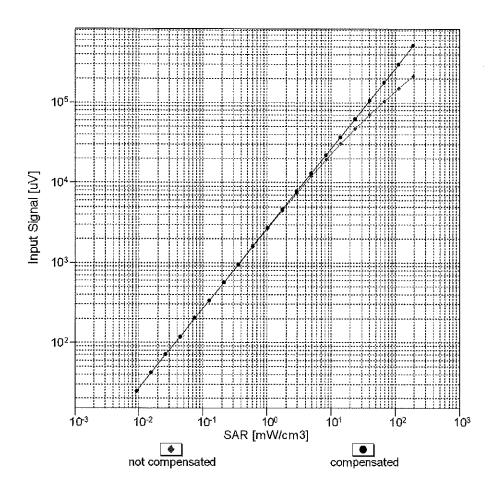


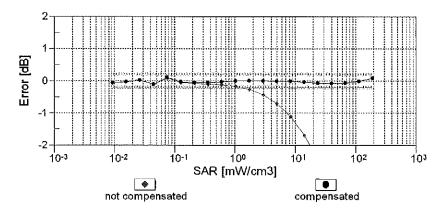




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

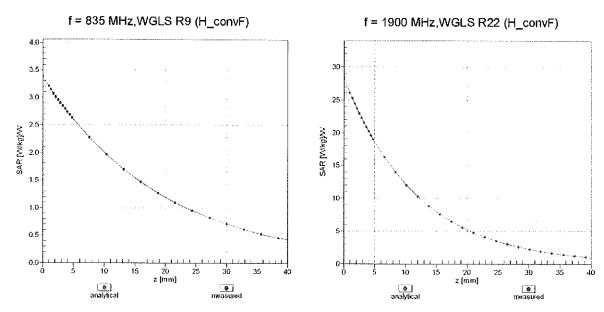
# Dynamic Range f(SAR<sub>head</sub>) (TEM cell , f<sub>eval</sub>= 1900 MHz)



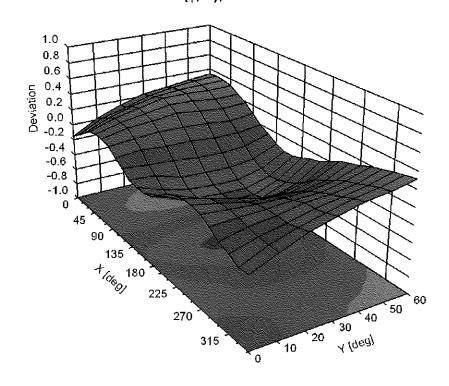


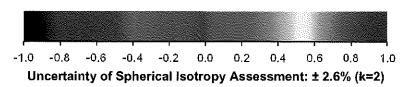
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

## **Conversion Factor Assessment**



**Deviation from Isotropy in Liquid** Error (φ, θ), f = 900 MHz





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## **Appendix: Modulation Calibration Parameters**

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> (k=2)
0		CW	CW	0.00	± 4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	± 9.6 %
10011	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	± 9.6 %
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	± 9.6 %
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	± 9.6 %
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6%
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	± 9.6 %
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	± 9.6 %
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6%
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6%
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	± 9.6 %
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	± 9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	± 9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	± 9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	± 9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6%
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±96%
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6%
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6%
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6 %
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	± 9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	± 9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6%
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM WLAN	6.52	±9.6%
10059 10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12 2.83	± 9.6 % ± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	± 9.6 %
10061	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10062	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 16 Mbps)	WLAN	9.38	± 9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAC	IEEE 802.11a/n WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	± 9.6 %
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	± 9.6 %
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6%
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	± 9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	± 9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6 %
10097	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %
10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	± 9.6 %
10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10103	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10104	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
10105	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	10.01	± 9.6 %
10108	CAG		LTE-FDD	5.80	± 9.6 %

10110   CAG   LTE-FDD (SC-FDM, 100% RB, 10 MHz, 16-QAM)   LTE-FDD   5.75   9.6 %   10111   CAG   LTE-FDD (SC-FDM, 100% RB, 5 MHz, 10-QAM)   LTE-FDD   5.75   9.6 %   10111   CAG   LTE-FDD (SC-FDM, 100% RB, 5 MHz, 16-QAM)   LTE-FDD   6.44   19.6 %   10112   CAG   LTE-FDD (SC-FDM, 100% RB, 5 MHz, 16-QAM)   LTE-FDD   6.59   9.6 %   10113   CAG   LTE-FDD (SC-FDM, 100% RB, 5 MHz, 64-QAM)   LTE-FDD   6.59   9.6 %   10113   CAG   LTE-FDD (SC-FDM, 100% RB, 5 MHz, 64-QAM)   LTE-FDD   6.52   29.6 %   10114   CAC   LTE-FDD (SC-FDM, 100% RB, 5 MHz, 64-QAM)   WILAN   8.10   5.9 6 %   10115   CAC   LTE-FDD (SC-FDM, 100% RB, 5 MHz, 64-QAM)   WILAN   8.10   5.9 6 %   10116   CAC   LTE-FDD (SC-FDM, 100% RB, 5 MHz, 64-QAM)   WILAN   8.10   5.9 6 %   10117   CAC   LTE-FDD (SC-FDM, 100% RB, 5 MHz, 64-QAM)   WILAN   8.15   5.9 6 %   10118   CAC   LTE-FDD (SC-FDM, 100% RB, 5 MHz, 64-QAM)   WILAN   8.56   9.6 %   10118   CAC   LTE-FDD (SC-FDM, 100% RB, 15 MHz, 16-QAM)   WILAN   8.57   9.6 %   10118   CAC   LTE-FDD (SC-FDM, 100% RB, 15 MHz, 16-QAM)   LTE-FDD   6.49   9.8 %   10114   CAC   LTE-FDD (SC-FDM, 100% RB, 15 MHz, 16-QAM)   LTE-FDD   6.49   9.8 %   10114   CAC   LTE-FDD (SC-FDM, 100% RB, 15 MHz, 16-QAM)   LTE-FDD   6.49   9.8 %   10114   CAC   LTE-FDD (SC-FDM, 100% RB, 15 MHz, 16-QAM)   LTE-FDD   6.53   1.9 6 %   10114   CAC   LTE-FDD (SC-FDM, 100% RB, 15 MHz, 16-QAM)   LTE-FDD   6.53   1.9 6 %   10114   CAC   LTE-FDD (SC-FDM, 100% RB, 15 MHz, 16-QAM)   LTE-FDD   6.73   3.9 6 %   10114   CAC   LTE-FDD (SC-FDM, 100% RB, 3 MHz, 66-QAM)   LTE-FDD   6.73   3.9 6 %   10114   CAC   LTE-FDD (SC-FDM, 100% RB, 3 MHz, 66-QAM)   LTE-FDD   6.73   3.9 6 %   10114   CAC   LTE-FDD (SC-FDM, 100% RB, 3 MHz, 66-QAM)   LTE-FDD   6.72   3.9 6 %   10114   CAC   LTE-FDD (SC-FDM, 50% RB, 2 MHz, 16-QAM)   LTE-FDD   6.72   3.9 6 %   10114   CAC   LTE-FDD (SC-FDM, 50% RB, 2 MHz, 16-QAM)   LTE-FDD   6.42   3.9 6 %   10114   CAC   LTE-FDD (SC-FDM, 50% RB, 2 MHz, 16-QAM)   LTE-FDD   6.42   3.9 6 %   10114   CAC   LTE-FDD (SC-FDM, 50% RB, 2 MHz, 16-QAM)						•
10111   CAG   LTE-FDD (SC-FDMA, 100% RB, 5 MHz, OPSK)   LTE-FDD   5.75   9.6 %   10112   CAG   LTE-FDD (SC-FDMA, 100% RB, 5 MHz, GF-GAM)   LTE-FDD   6.49   9.6 %   10112   CAG   LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-CAM)   LTE-FDD   6.59   9.6 %   10113   CAG   LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-CAM)   LTE-FDD   6.59   9.6 %   10114   CAC   LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-CAM)   LTE-FDD   6.59   9.6 %   10114   CAC   LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-CAM)   LTE-FDD   6.52   9.6 %   10116   CAC   LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-CAM)   WILAN   8.10   9.0 %   10116   CAC   LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-CAM)   WILAN   8.10   9.0 %   10117   CAC   LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-CAM)   WILAN   8.10   9.0 %   10117   CAC   LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-CAM)   WILAN   8.17   9.6 %   10118   CAC   LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-CAM)   WILAN   8.17   9.6 %   10118   CAC   LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-CAM)   LTE-FDD   6.63   9.6 %   10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-CAM)   LTE-FDD   6.63   9.6 %   10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-CAM)   LTE-FDD   6.53   9.6 %   10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-CAM)   LTE-FDD   6.53   9.6 %   10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-CAM)   LTE-FDD   6.53   9.6 %   10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-CAM)   LTE-FDD   6.55   9.0 %   10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-CAM)   LTE-FDD   6.55   9.0 %   10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-CAM)   LTE-FDD   6.55   9.0 %   10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-CAM)   LTE-FDD   6.77   1.0 6 %	10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10111   CAG   LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-CAM)	10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)			+
10112   CAG   LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-OAM)   LTE-FDD   6.59   ±.9.6 %   10114   CAC   EEE 802.11n (HT Greenfeld, 13.5 Mbps, BFSK)   WLAN   8.10   ±.9.6 %   10115   CAC   EEE 802.11n (HT Greenfeld, 13.5 Mbps, BFSK)   WLAN   8.40   ±.9.6 %   10116   CAC   EEE 802.11n (HT Greenfeld, 13.5 Mbps, BFSK)   WLAN   8.45   ±.9.6 %   10117   CAC   EEE 802.11n (HT Greenfeld, 13.5 Mbps, BFSK)   WLAN   8.45   ±.9.6 %   10117   CAC   EEE 802.11n (HT Greenfeld, 13.5 Mbps, BFSK)   WLAN   8.15   ±.9.6 %   10119   CAC   EEE 802.11n (HT MSed, B1 Mbps, 16-CAM)   WLAN   8.15   ±.9.6 %   10119   CAC   EEE 802.11n (HT MSed, B1 Mbps, 16-CAM)   WLAN   8.59   ±.9.6 %   10119   CAC   EEE 802.11n (HT MSed, B1 Mbps, B4-CAM)   WLAN   8.59   ±.9.6 %   10119   CAC   EEE 802.11n (HT MSed, B1 Mbps, B4-CAM)   WLAN   8.15   ±.9.6 %   10119   CAC   EEE 802.11n (HT MSed, B1 Mbps, B4-CAM)   WLAN   8.15   ±.9.6 %   10140   CAE   LTE-FDD (SC-FDMA, 100% RB, 15 MHz, B-CAM)   LTE-FDD   6.49   ±.9.6 %   10141   CAE   LTE-FDD (SC-FDMA, 100% RB, 15 MHz, CPSK)   LTE-FDD   6.53   ±.9.6 %   10141   CAE   LTE-FDD (SC-FDMA, 100% RB, 3 MHz, CPSK)   LTE-FDD   6.53   ±.9.6 %   10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 3 MHz, CPSK)   LTE-FDD   6.65   ±.9.6 %   10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 3 MHz, B4-CAM)   LTE-FDD   6.65   ±.9.6 %   10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 3 MHz, B4-CAM)   LTE-FDD   6.65   ±.9.6 %   10145   CAF   LTE-FDD (SC-FDMA, 100% RB, 14 MHz, B4-CAM)   LTE-FDD   6.65   ±.9.6 %   10145   CAF   LTE-FDD (SC-FDMA, 100% RB, 14 MHz, B4-CAM)   LTE-FDD   6.66   ±.9.6 %   10145   CAF   LTE-FDD (SC-FDMA, 50% RB, 20 MHz, B4-CAM)   LTE-FDD   6.66   ±.9.6 %   10147   CAF   LTE-FDD (SC-FDMA, 50% RB, 20 MHz, B4-CAM)   LTE-FDD   6.66   ±.9.6 %   10147   CAF   LTE-FDD (SC-FDMA, 50% RB, 20 MHz, B4-CAM)   LTE-FDD   6.69   ±.9.6 %   10147   CAF   LTE-FDD (SC-FDMA, 50% RB, 20 MHz, B4-CAM)   LTE-FDD   6.69   ±.9.6 %   10147   CAF   LTE-FDD (SC-FDMA, 50% RB, 20 MHz, B4-CAM)   LTE-FDD   6.69   ±.9.6 %   10149   CAE   LTE-FDD (SC-FDMA, 50% RB, 2	10111	CAG				
10111	10112	· · · · · · · · · · · · · · · · · · ·				
10115   CAC		-				
10115   CAC			IEEE 802 11p (UT Croonfold 12 5 Mbps, DROK)	****		
10119   CAC						
10119   CAC   IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)						
10118   CAC   IEEE 802.11n (HT Mixed, 81 Mbps, 16-CAM)	···		IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)			
10119   CAC   IEEE 802.11n (HT Mised, 135 Mbps, 64-QAM)			IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)			± 9.6 %
10141   CAE   LTE-FDD (SC-FDMA, 100% RB, 15 MHz, (6-CAM)   LTE-FDD   6.49   ± 9.6 %   10142   CAE   LTE-FDD (SC-FDMA, 100% RB, 35 MHz, C9FSK)   LTE-FDD   6.73   ± 9.6 %   10143   CAE   LTE-FDD (SC-FDMA, 100% RB, 3 MHz, C9FSK)   LTE-FDD   6.73   ± 9.6 %   10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 3 MHz, C9FSK)   LTE-FDD   6.75   ± 9.6 %   10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 3 MHz, C9FSK)   LTE-FDD   6.65   ± 9.6 %   10145   CAF   LTE-FDD (SC-FDMA, 100% RB, 14 MHz, C9FSK)   LTE-FDD   6.65   ± 9.6 %   10145   CAF   LTE-FDD (SC-FDMA, 100% RB, 14 MHz, C9FSK)   LTE-FDD   6.72   ± 9.5 %   10147   CAF   LTE-FDD (SC-FDMA, 100% RB, 14 MHz, C9FSK)   LTE-FDD   6.72   ± 9.6 %   10147   CAF   LTE-FDD (SC-FDMA, 500% RB, 20 MHz, 6-CAM)   LTE-FDD   6.72   ± 9.6 %   10150   CAE   LTE-FDD (SC-FDMA, 500% RB, 20 MHz, 6-CAM)   LTE-FDD   6.72   ± 9.6 %   10150   CAE   LTE-FDD (SC-FDMA, 500% RB, 20 MHz, 6-CAM)   LTE-FDD   6.60   ± 9.6 %   10150   CAE   LTE-FDD (SC-FDMA, 500% RB, 20 MHz, 6-CAM)   LTE-FDD   6.60   ± 9.6 %   10150   CAE   LTE-FDD (SC-FDMA, 500% RB, 20 MHz, 6-CAM)   LTE-FDD   9.28   ± 9.6 %   10150   CAE   LTE-FDD (SC-FDMA, 500% RB, 20 MHz, 6-CAM)   LTE-FDD   9.92   ± 9.6 %   10150   CAE   LTE-FDD (SC-FDMA, 500% RB, 20 MHz, 16-CAM)   LTE-FDD   9.92   ± 9.6 %   10150   CAE   LTE-FDD (SC-FDMA, 500% RB, 20 MHz, 16-CAM)   LTE-FDD   9.92   ± 9.6 %   10150   CAE   LTE-FDD (SC-FDMA, 500% RB, 10 MHz, C9FSK)   LTE-FDD   5.75   ± 9.6 %   10150   CAE   LTE-FDD (SC-FDMA, 500% RB, 10 MHz, C9FSK)   LTE-FDD   5.75   ± 9.6 %   10150   CAE   LTE-FDD (SC-FDMA, 500% RB, 10 MHz, 6-CAM)   LTE-FDD   5.76   ± 9.6 %   10150   CAE   LTE-FDD (SC-FDMA, 500% RB, 10 MHz, 6-CAM)   LTE-FDD   5.76   ± 9.6 %   10150   CAE   LTE-FDD (SC-FDMA, 500% RB, 15 MHz, 6-CAM)   LTE-FDD   6.20   ± 9.6 %   10150   CAE   LTE-FDD (SC-FDMA, 500% RB, 15 MHz, 6-CAM)   LTE-FDD   6.56   ± 9.6 %   10150   CAE   LTE-FDD (SC-FDMA, 500% RB, 15 MHz, 6-CAM)   LTE-FDD   6.56   ± 9.6 %   10150   CAE   LTE-FDD (SC-FDMA, 500% RB, 15 MHz, 6-CAM)   LTE-FDD   6.50   ± 9.6 %   1015			IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)			± 9.6 %
10141   CAE   LTE-FDD   (SC-FDMA, 100%, RB, 15 MHz, 64-CAM)   LTE-FDD   6.53   ±9.6 %   10142   CAE   LTE-FDD   (SC-FDMA, 100%, RB, 3 MHz, 16-CAM)   LTE-FDD   6.53   ±9.6 %   10143   CAE   LTE-FDD   (SC-FDMA, 100%, RB, 3 MHz, 16-CAM)   LTE-FDD   6.56   ±9.6 %   10144   CAE   LTE-FDD   (SC-FDMA, 100%, RB, 3 MHz, 26-CAM)   LTE-FDD   6.65   ±9.6 %   10146   CAF   LTE-FDD   (SC-FDMA, 100%, RB, 1.4 MHz, CPSK)   LTE-FDD   6.65   ±9.6 %   10146   CAF   LTE-FDD   (SC-FDMA, 100%, RB, 1.4 MHz, LG-SK)   LTE-FDD   6.41   ±9.6 %   10147   CAF   LTE-FDD   (SC-FDMA, 100%, RB, 1.4 MHz, LG-SK)   LTE-FDD   6.41   ±9.6 %   10149   CAE   LTE-FDD   (SC-FDMA, 100%, RB, 1.4 MHz, LG-CAM)   LTE-FDD   6.42   ±9.6 %   10149   CAE   LTE-FDD   (SC-FDMA, 500%, RB, 2.0 MHz, 64-CAM)   LTE-FDD   6.42   ±9.6 %   10151   CAG   LTE-FDD   (SC-FDMA, 500%, RB, 2.0 MHz, 64-CAM)   LTE-FDD   6.42   ±9.6 %   10151   CAG   LTE-FDD   (SC-FDMA, 500%, RB, 2.0 MHz, 1.64-CAM)   LTE-FDD   6.42   ±9.6 %   10152   CAG   LTE-FDD   (SC-FDMA, 500%, RB, 2.0 MHz, 1.64-CAM)   LTE-FDD   9.28   ±9.6 %   10153   CAG   LTE-FDD   (SC-FDMA, 500%, RB, 2.0 MHz, 1.64-CAM)   LTE-FDD   9.28   ±9.6 %   10153   CAG   LTE-FDD   (SC-FDMA, 500%, RB, 2.0 MHz, 0.0 KM)   LTE-FDD   10.06   ±9.6 %   10154   CAG   LTE-FDD   (SC-FDMA, 500%, RB, 1.0 MHz, 1.0 CPK)   LTE-FDD   10.06   ±9.6 %   10155   CAG   LTE-FDD   (SC-FDMA, 500%, RB, 1.0 MHz, 1.0 CPK)   LTE-FDD   10.06   ±9.6 %   10155   CAG   LTE-FDD   (SC-FDMA, 500%, RB, 5 MHz, 0.0 KM)   LTE-FDD   10.06   ±9.6 %   10156   CAG   LTE-FDD   (SC-FDMA, 500%, RB, 5 MHz, 0.0 KM)   LTE-FDD   6.43   ±9.6 %   10156   CAG   LTE-FDD   (SC-FDMA, 500%, RB, 5 MHz, 1.6 CAM)   LTE-FDD   6.62   ±9.6 %   10156   CAG   LTE-FDD   (SC-FDMA, 500%, RB, 5 MHz, 1.6 CAM)   LTE-FDD   6.62   ±9.6 %   10156   CAG   LTE-FDD   (SC-FDMA, 500%, RB, 5 MHz, 1.6 CAM)   LTE-FDD   6.62   ±9.6 %   10156   CAG   LTE-FDD   (SC-FDMA, 500%, RB, 5 MHz, 1.6 CAM)   LTE-FDD   6.52   ±9.6 %   10156   CAG   LTE-FDD   (SC-FDMA, 500%, RB, 1.5 MHz, 1.6 CAM)   LTE-FDD   6.52   ±9.6 %   101				WLAN	8.13	± 9.6 %
10141   CAE   LTE-FDD (SC-FDMA, 100%, RB, 3 MHz, GPSK)   LTE-FDD   6.53   ±9.6 %   10143   CAE   LTE-FDD (SC-FDMA, 100%, RB, 3 MHz, GPSK)   LTE-FDD   6.35   ±9.6 %   10144   CAE   LTE-FDD (SC-FDMA, 100%, RB, 3 MHz, G-CAM)   LTE-FDD   6.35   ±9.6 %   10144   CAE   LTE-FDD (SC-FDMA, 100%, RB, 3 MHz, G-CAM)   LTE-FDD   6.56   ±9.6 %   10145   CAF   LTE-FDD (SC-FDMA, 100%, RB, 1.4 MHz, GPSK)   LTE-FDD   5.76   ±9.6 %   10146   CAF   LTE-FDD (SC-FDMA, 100%, RB, 1.4 MHz, GPSK)   LTE-FDD   5.76   ±9.6 %   10147   CAF   LTE-FDD (SC-FDMA, 100%, RB, 1.4 MHz, GPSK)   LTE-FDD   6.72   ±9.6 %   10147   CAF   LTE-FDD (SC-FDMA, 100%, RB, 1.4 MHz, GPSK)   LTE-FDD   6.72   ±9.6 %   10149   CAE   LTE-FDD (SC-FDMA, 500%, RB, 2.0 MHz, GPSK)   LTE-FDD   6.72   ±9.6 %   10151   CAG   LTE-FDD (SC-FDMA, 500%, RB, 2.0 MHz, GPSK)   LTE-FDD   6.80   ±9.6 %   10151   CAG   LTE-FDD (SC-FDMA, 500%, RB, 2.0 MHz, GPSK)   LTE-FDD   9.28   ±9.6 %   10152   CAG   LTE-FDD (SC-FDMA, 500%, RB, 2.0 MHz, GPSK)   LTE-FDD   9.28   ±9.6 %   10153   CAG   LTE-FDD (SC-FDMA, 500%, RB, 2.0 MHz, GPSK)   LTE-FDD   9.28   ±9.6 %   10153   CAG   LTE-FDD (SC-FDMA, 500%, RB, 1.0 MHz, GPSK)   LTE-FDD   10.05   ±9.6 %   10155   CAG   LTE-FDD (SC-FDMA, 500%, RB, 1.0 MHz, GPSK)   LTE-FDD   10.05   ±9.6 %   10155   CAG   LTE-FDD (SC-FDMA, 500%, RB, 1.0 MHz, GPSK)   LTE-FDD   6.43   ±9.6 %   10155   CAG   LTE-FDD (SC-FDMA, 500%, RB, 1.0 MHz, GPSK)   LTE-FDD   6.43   ±9.6 %   10155   CAG   LTE-FDD (SC-FDMA, 500%, RB, 1.0 MHz, GPSK)   LTE-FDD   6.43   ±9.6 %   10155   CAG   LTE-FDD (SC-FDMA, 500%, RB, 1.0 MHz, GPSK)   LTE-FDD   6.43   ±9.6 %   10156   CAG   LTE-FDD (SC-FDMA, 500%, RB, 1.5 MHz, GPSK)   LTE-FDD   6.43   ±9.6 %   10156   CAG   LTE-FDD (SC-FDMA, 500%, RB, 1.5 MHz, GPSK)   LTE-FDD   6.43   ±9.6 %   10156   CAG   LTE-FDD (SC-FDMA, 500%, RB, 1.5 MHz, GPSK)   LTE-FDD   6.62   ±9.6 %   10156   CAG   LTE-FDD (SC-FDMA, 500%, RB, 1.5 MHz, GPSK)   LTE-FDD   6.62   ±9.6 %   10156   CAG   LTE-FDD (SC-FDMA, 500%, RB, 1.5 MHz, GPSK)   LTE-FDD   6.56   ±9.6 %   10156		<del></del>	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10143   CAE   LTE-FDD (SC-FDMA, 100%, RB, 3 MHz, QPSK)   LTE-FDD   5.73   ± 9.6 %   10144   CAE   LTE-FDD (SC-FDMA, 100%, RB, 3 MHz, 46-QAMM)   LTE-FDD   6.65   ± 9.6 %   10146   CAF   LTE-FDD (SC-FDMA, 100%, RB, 3 MHz, QPSK)   LTE-FDD   6.65   ± 9.6 %   10146   CAF   LTE-FDD (SC-FDMA, 100%, RB, 1.4 MHz, QPSK)   LTE-FDD   6.72   ± 9.6 %   10146   CAF   LTE-FDD (SC-FDMA, 100%, RB, 1.4 MHz, QPSK)   LTE-FDD   6.72   ± 9.6 %   10147   CAF   LTE-FDD (SC-FDMA, 100%, RB, 1.4 MHz, QPSK)   LTE-FDD   6.72   ± 9.6 %   10147   CAF   LTE-FDD (SC-FDMA, 500%, RB, 2.0 MHz, 64-QAMM)   LTE-FDD   6.72   ± 9.6 %   10149   CAE   LTE-FDD (SC-FDMA, 500%, RB, 2.0 MHz, 64-QAMM)   LTE-FDD   6.72   ± 9.6 %   10150   CAE   LTE-FDD (SC-FDMA, 500%, RB, 2.0 MHz, GPSK)   LTE-FDD   6.60   ± 9.6 %   10151   CAG   LTE-TDD (SC-FDMA, 500%, RB, 2.0 MHz, GPSK)   LTE-FDD   0.60   ± 9.6 %   10152   CAG   LTE-TDD (SC-FDMA, 500%, RB, 2.0 MHz, GPSK)   LTE-TDD   9.28   ± 9.6 %   10153   CAG   LTE-TDD (SC-FDMA, 500%, RB, 2.0 MHz, GPSK)   LTE-TDD   9.92   ± 9.6 %   10153   CAG   LTE-TDD (SC-FDMA, 500%, RB, 2.0 MHz, GPSK)   LTE-FDD   5.75   ± 9.6 %   10155   CAG   LTE-FDD (SC-FDMA, 500%, RB, 1.0 MHz, GPSK)   LTE-FDD   5.75   ± 9.6 %   10155   CAG   LTE-FDD (SC-FDMA, 500%, RB, 1.0 MHz, GPSK)   LTE-FDD   5.75   ± 9.6 %   10155   CAG   LTE-FDD (SC-FDMA, 500%, RB, 1.0 MHz, GPSK)   LTE-FDD   5.79   ± 9.6 %   10155   CAG   LTE-FDD (SC-FDMA, 500%, RB, 1.0 MHz, GPSK)   LTE-FDD   5.79   ± 9.6 %   10155   CAG   LTE-FDD (SC-FDMA, 500%, RB, 1.5 MHz, GPSK)   LTE-FDD   5.79   ± 9.6 %   10155   CAG   LTE-FDD (SC-FDMA, 500%, RB, 1.5 MHz, GPSK)   LTE-FDD   6.62   ± 9.6 %   10155   CAG   LTE-FDD (SC-FDMA, 500%, RB, 1.5 MHz, GPSK)   LTE-FDD   6.62   ± 9.6 %   10155   CAG   LTE-FDD (SC-FDMA, 500%, RB, 1.5 MHz, GPSK)   LTE-FDD   6.62   ± 9.6 %   10155   CAG   LTE-FDD (SC-FDMA, 500%, RB, 1.5 MHz, GPSK)   LTE-FDD   6.62   ± 9.6 %   10156   CAF   LTE-FDD (SC-FDMA, 500%, RB, 1.5 MHz, GPSK)   LTE-FDD   6.62   ± 9.6 %   10156   CAF   LTE-FDD (SC-FDMA, 500%, RB, 1.5 MHz, GPSK)   LTE-		CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	
10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	10142	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD		
10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	10143	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)			
10146   CAF	10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)			
10146   CAF   LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 6-QAM)	10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, OPSK)			
10147   CAF   LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)		CAF	LTE-FDD (SC-FDMA 100% RB 1.4 MHz 16-OAM)			
10149			LTE-EDD (SC-EDMA 100% RB 1.4 MHz 64-OAM)			
10150   CAE   LTE-FDD (SC-FDMA, 50% RB, 20 MHz, G4-QAM)			TE-EDD (SC EDMA 50% PD 20 MHz 46 OAM)			
10151   CAG   LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)   LTE-TDD   9.22   9.6 %   10152   CAG   LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)   LTE-TDD   10.05   9.82   9.8 %   10154   CAG   LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)   LTE-TDD   10.05   9.8 %   10154   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)   LTE-FDD   5.75   19.6 %   10156   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)   LTE-FDD   6.43   19.6 %   10156   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)   LTE-FDD   6.43   19.6 %   10157   CAG   LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 62-QAM)   LTE-FDD   6.49   19.8 %   10158   CAG   LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 62-QAM)   LTE-FDD   6.50   6.49   8.9 %   10159   CAG   LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 62-QAM)   LTE-FDD   6.62   9.6 %   10159   CAG   LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 62-QAM)   LTE-FDD   6.56   19.6 %   10160   CAE   LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 62-QAM)   LTE-FDD   6.56   19.6 %   10161   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 62-QAM)   LTE-FDD   6.56   19.6 %   10162   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 62-QAM)   LTE-FDD   6.58   19.6 %   10162   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 62-QAM)   LTE-FDD   6.58   19.6 %   10166   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 16-QAM)   LTE-FDD   6.58   19.6 %   10166   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 20-SK)   LTE-FDD   6.58   19.6 %   10169   CAE   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 62-QAM)   LTE-FDD   6.58   19.6 %   10169   CAE   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 62-QAM)   LTE-FDD   6.58   19.6 %   10169   CAE   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 62-QAM)   LTE-FDD   6.59   19.6 %   10169   CAE   LTE-FDD (SC-FDMA, 18 R2) QMHz, 62-QAM)   LTE-FDD   6.59   19.6 %   10169   CAE   LTE-FDD (SC-FDMA, 18 R2) QMHz, 62-QAM)   LTE-FDD   6.52   19.6 %   10172   CAG   LTE-FDD (SC-FDMA, 18 R2) QMHz, 62-QAM)   LTE-FDD   6.52   19.6 %   10174   CAG   LTE-FDD (SC-FDMA, 18 R2) QMHz, 62-QAM)   LTE-FDD   6.52   19.6 %   10174   CAG   LTE-FDD (SC-FDMA, 18 R2) QMHz, 62-QAM)   LTE-FDD   6.52   19.6 %   10178   CAG   LTE-FDD (SC-FDMA, 18 R2)			TE-EDD (SC-EDMA 50% DR 20 MIL- CA CAMA)			
10152   CAG   LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)   LTE-TDD   9.92   9.8 %   10153   CAG   LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 84-QAM)   LTE-TDD   10.05   9.96 %   10155   CAG   LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 94-QAM)   LTE-FDD   5.75   19.6 %   10155   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)   LTE-FDD   5.75   19.6 %   10156   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)   LTE-FDD   5.79   19.6 %   10156   CAG   LTE-FDD (SC-FDMA, 50% RB, 50 MHz, QPSK)   LTE-FDD   6.43   19.8 %   10158   CAG   LTE-FDD (SC-FDMA, 50% RB, 50 MHz, QPSK)   LTE-FDD   6.49   19.8 %   10158   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)   LTE-FDD   6.49   19.8 %   10158   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)   LTE-FDD   6.62   19.6 %   10169   CAG   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, GPSK)   LTE-FDD   6.62   19.6 %   10160   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, GPSK)   LTE-FDD   6.62   19.6 %   10161   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, GPSK)   LTE-FDD   6.43   19.8 %   10162   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, GH-QAM)   LTE-FDD   6.49   19.8 %   10166   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, GPSK)   LTE-FDD   6.49   19.6 %   10166   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, GPSK)   LTE-FDD   6.49   19.6 %   10166   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, GPSK)   LTE-FDD   6.21   19.6 %   10167   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, GPSK)   LTE-FDD   6.21   19.6 %   10169   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, GH-QAM)   LTE-FDD   6.21   19.6 %   10169   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, GH-QAM)   LTE-FDD   6.21   19.6 %   10170   CAE   LTE-FDD (SC-FDMA, 17 RB, 20 MHz, GH-QAM)   LTE-FDD   6.79   19.6 %   10171   CAG   LTE-FDD (SC-FDMA, 17 RB, 20 MHz, GH-QAM)   LTE-FDD   6.79   19.6 %   10171   CAG   LTE-FDD (SC-FDMA, 17 RB, 20 MHz, GH-QAM)   LTE-FDD   6.70   19.6 %   10171   CAG   LTE-FDD (SC-FDMA, 17 RB, 20 MHz, GH-QAM)   LTE-FDD   6.52   19.6 %   10173   CAG   LTE-FDD (SC-FDMA, 17 RB, 20 MHz, GH-QAM)   LTE-FDD   6.52   19.6 %   10173   CAG   LTE-FDD (SC-FDMA, 17 RB, 20 MHz, GH-QAM)		·				
10153					-	
10154   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)   LTE-FDD   5.75   ±9.6 %   10155   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)   LTE-FDD   6.43   ±9.6 %   10157   CAG   LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)   LTE-FDD   6.49   ±9.6 %   10158   CAG   LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)   LTE-FDD   6.62   ±9.6 %   10158   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)   LTE-FDD   6.56   ±9.6 %   10159   CAG   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-FDD   6.56   ±9.6 %   10160   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-FDD   5.82   ±9.6 %   10160   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-FDD   5.82   ±9.6 %   10160   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-FDD   6.56   ±9.6 %   10160   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-FDD   6.58   ±9.6 %   10160   CAE   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK)   LTE-FDD   6.58   ±9.6 %   10160   CAE   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK)   LTE-FDD   6.58   ±9.6 %   10160   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK)   LTE-FDD   6.56   ±9.6 %   10160   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK)   LTE-FDD   6.56   ±9.6 %   10160   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK)   LTE-FDD   6.21   ±9.6 %   10160   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, G4-QAM)   LTE-FDD   6.21   ±9.6 %   10160   CAF   LTE-FDD (SC-FDMA, 16% RB, 20 MHz, QPSK)   LTE-FDD   6.79   ±9.6 %   10170   CAE   LTE-FDD (SC-FDMA, 188, 20 MHz, G4-QAM)   LTE-FDD   6.52   ±9.6 %   10171   CAE   LTE-FDD (SC-FDMA, 188, 20 MHz, G4-QAM)   LTE-FDD   6.52   ±9.6 %   10173   CAG   LTE-FDD (SC-FDMA, 188, 20 MHz, G4-QAM)   LTE-FDD   6.52   ±9.6 %   10173   CAG   LTE-FDD (SC-FDMA, 188, 20 MHz, G4-QAM)   LTE-FDD   6.52   ±9.6 %   10173   CAG   LTE-FDD (SC-FDMA, 188, 20 MHz, G4-QAM)   LTE-FDD   6.52   ±9.6 %   10173   CAG   LTE-FDD (SC-FDMA, 188, 20 MHz, G4-QAM)   LTE-FDD   5.72   ±9.6 %   10173   CAG   LTE-FDD (SC-FDMA, 188, 20 MHz, G4-QAM)   LTE-FDD   6.52   ±9.6 %   10175   CAG   LTE-FDD (SC-FDMA, 188, 10 MHz, G4-QAM)   LTE-FDD   6.52   ±9.6 %			LIE-TUD (SC-FUMA, 50% KB, 20 MHz, 16-QAM)			1
10155   CAG						
10156   CAG   LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)   LTE-FDD   5.79   19.6 %   10157   CAG   LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   LTE-FDD   6.49   19.6 %   10159   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)   LTE-FDD   6.62   19.6 %   10159   CAG   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)   LTE-FDD   6.56   19.6 %   10150   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-FDD   6.56   19.6 %   10160   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-FDD   6.56   19.6 %   10161   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)   LTE-FDD   6.58   19.6 %   10162   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 20-QAM)   LTE-FDD   6.58   19.6 %   10166   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK)   LTE-FDD   6.58   19.6 %   10166   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK)   LTE-FDD   6.56   19.6 %   10167   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK)   LTE-FDD   6.21   19.6 %   10168   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, GPSK)   LTE-FDD   6.79   19.6 %   10169   CAE   LTE-FDD (SC-FDMA, 100 MHz, QPSK)   LTE-FDD   6.79   19.6 %   10170   CAE   LTE-FDD (SC-FDMA, 1RB, 20 MHz, GPSK)   LTE-FDD   6.79   19.6 %   10171   CAE   LTE-FDD (SC-FDMA, 1RB, 20 MHz, GPSK)   LTE-FDD   6.73   19.6 %   10172   CAG   LTE-FDD (SC-FDMA, 1RB, 20 MHz, GPSK)   LTE-FDD   6.79   19.6 %   10173   CAG   LTE-TDD (SC-FDMA, 1RB, 20 MHz, GPSK)   LTE-FDD   6.52   19.6 %   10174   CAG   LTE-TDD (SC-FDMA, 1RB, 20 MHz, GPSK)   LTE-FDD   6.52   19.6 %   10175   CAG   LTE-TDD (SC-FDMA, 1RB, 20 MHz, GPSK)   LTE-FDD   6.52   19.6 %   10174   CAG   LTE-TDD (SC-FDMA, 1RB, 20 MHz, GPSK)   LTE-FDD   6.52   19.6 %   10176   CAG   LTE-FDD (SC-FDMA, 1RB, 20 MHz, GPSK)   LTE-FDD   10.25   19.6 %   10176   CAG   LTE-FDD (SC-FDMA, 1RB, 20 MHz, GPSK)   LTE-FDD   6.52   19.6 %   10176   CAG   LTE-FDD (SC-FDMA, 1RB, 20 MHz, GPSK)   LTE-FDD   6.52   19.6 %   10178   CAG   LTE-FDD (SC-FDMA, 1RB, 20 MHz, GPSK)   LTE-FDD   6.52   19.6 %   10178   CAG   LTE-FDD (SC-FDMA, 1RB, 10 MHz, GPSK)   LTE-FDD   6.50   19.6 %   10180   CAC   LTE-FDD (SC-FD			LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10157   CAG			LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10157   CAG		CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10158   CAG	10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)			
10159	10158	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)			
10160   CAE	10159	CAG				
10161   CAE	10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, OPSK)			
10162   CAE		<del></del>	LTE-EDD (SC-EDMA 50% RB 15 MHz 16-OAM)			
10166		<del></del>				
10167				····	·	
10168			LTE EDD (SC EDMA 50% DB 4.4 MHz, 46.04M)			
10169   CAE   LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)   LTE-FDD   5.73   ± 9.6 %   10170   CAE   LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)   LTE-FDD   6.52   ± 9.6 %   10171   AAE   LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)   LTE-FDD   6.52   ± 9.6 %   10172   CAG   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)   LTE-FDD   9.21   ± 9.6 %   10173   CAG   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)   LTE-TDD   9.48   ± 9.6 %   10174   CAG   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM)   LTE-TDD   9.48   ± 9.6 %   10174   CAG   LTE-FDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM)   LTE-TDD   10.25   ± 9.6 %   10175   CAG   LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)   LTE-FDD   5.72   ± 9.6 %   10176   CAG   LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)   LTE-FDD   6.52   ± 9.6 %   10177   CAI   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)   LTE-FDD   6.52   ± 9.6 %   10178   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)   LTE-FDD   6.52   ± 9.6 %   10179   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM)   LTE-FDD   6.52   ± 9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10181   CAE   LTE-FDD (SC-FDMA, 1 RB, 15 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10181   CAE   LTE-FDD (SC-FDMA, 1 RB, 15 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10181   CAE   LTE-FDD (SC-FDMA, 1 RB, 15 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10183   CAE   LTE-FDD (SC-FDMA, 1 RB, 15 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10184   CAE   LTE-FDD (SC-FDMA, 1 RB, 15 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10184   CAE   LTE-FDD (SC-FDMA, 1 RB, 15 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10184   CAE   LTE-FDD (SC-FDMA, 1 RB, 15 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10184   CAE   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10184   CAE   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10185   CAE   LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10185   CAE   LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, G4-QAM)   LTE-FDD   6.50						
10170   CAE   LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)   LTE-FDD   6.52   ± 9.6 %   10171   AAE   LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)   LTE-FDD   6.49   ± 9.6 %   10172   CAG   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)   LTE-TDD   9.21   ± 9.6 %   10173   CAG   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)   LTE-TDD   9.48   ± 9.6 %   10174   CAG   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM)   LTE-TDD   10.25   ± 9.6 %   10175   CAG   LTE-FDD (SC-FDMA, 1 RB, 10 MHz, G4-QAM)   LTE-TDD   10.25   ± 9.6 %   10176   CAG   LTE-FDD (SC-FDMA, 1 RB, 10 MHz, G4-QAM)   LTE-FDD   5.72   ± 9.6 %   10176   CAG   LTE-FDD (SC-FDMA, 1 RB, 10 MHz, G4-QAM)   LTE-FDD   5.72   ± 9.6 %   10177   CAI   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM)   LTE-FDD   5.73   ± 9.6 %   10178   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM)   LTE-FDD   6.52   ± 9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 16 MHz, QPSK)   LTE-FDD   6.50   ± 9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 16 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 16 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, G4-QAM)   LTE-FDD						
10171   AAE			LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)			
10172   CAG		<del></del>			<del></del>	
10173   CAG		<del>}</del>			6.49	
10174         CAG         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)         LTE-TDD         10.25         ± 9.6 %           10175         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %           10176         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10177         CAI         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10178         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, GPSK)         LTE-FDD         6.52         ± 9.6 %           10179         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10180         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM)         LTE-FDD         6.50         ± 9.6 %           10181         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, G4-QAM)         LTE-FDD         5.72         ± 9.6 %           10182         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10183         AAD         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10184         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)         LTE-FDD			LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10175         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)         LTE-FDD         5.72         ±9.6 %           10176         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)         LTE-FDD         6.52         ±9.6 %           10177         CAI         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)         LTE-FDD         5.73         ±9.6 %           10178         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)         LTE-FDD         6.52         ±9.6 %           10179         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)         LTE-FDD         6.50         ±9.6 %           10180         CAG         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)         LTE-FDD         6.50         ±9.6 %           10181         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, G4-QAM)         LTE-FDD         5.72         ±9.6 %           10182         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, G4-QAM)         LTE-FDD         6.52         ±9.6 %           10183         AAD         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)         LTE-FDD         6.52         ±9.6 %           10184         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)         LTE-FDD         5.73         ±9.6 %           10185         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)         LTE-FDD			LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	±9.6%
10175         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %           10176         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10177         CAI         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10178         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)         LTE-FDD         6.50         ± 9.6 %           10179         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10180         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10181         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %           10182         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, G4-QAM)         LTE-FDD         6.52         ± 9.6 %           10183         AAD         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)         LTE-FDD         6.50         ± 9.6 %           10184         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)         LTE-FDD         5.73         ± 9.6 %           10185         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)         LTE-FDD			LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10176	10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	
10177         CAI         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10178         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10179         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10180         CAG         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10181         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)         LTE-FDD         5.72         ± 9.6 %           10182         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10183         AAD         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10184         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10185         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)         LTE-FDD         6.51         ± 9.6 %           10186         AAE         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)         LTE-FDD <td>10176</td> <td>CAG</td> <td>LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)</td> <td></td> <td></td> <td></td>	10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)			
10178         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10179         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10180         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10181         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %           10182         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10183         AAD         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10184         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)         LTE-FDD         5.73         ± 9.6 %           10185         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)         LTE-FDD         6.51         ± 9.6 %           10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)         LTE-FDD         6.51         ± 9.6 %           10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, G4-QAM)         LTE-FDD         6.52         ± 9.6 %           10189         AAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, G4-QAM)         LTE-FDD		CAI	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	<del></del>	<b>†</b>	
10179         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10180         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10181         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %           10182         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10183         AAD         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10184         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, GPSK)         LTE-FDD         5.73         ± 9.6 %           10185         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)         LTE-FDD         6.51         ± 9.6 %           10186         AAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10189         AAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10193         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN<	10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz. 16-QAM)			
10180         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)         LTE-FDD         6.50         ±9.6 %           10181         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)         LTE-FDD         5.72         ±9.6 %           10182         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)         LTE-FDD         6.52         ±9.6 %           10183         AAD         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)         LTE-FDD         6.50         ±9.6 %           10184         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, GPSK)         LTE-FDD         5.73         ±9.6 %           10185         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)         LTE-FDD         6.51         ±9.6 %           10186         AAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD         6.50         ±9.6 %           10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         5.73         ±9.6 %           10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)         LTE-FDD         6.52         ±9.6 %           10193         CAC         LEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN         8.09         ±9.6 %           10194         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN		<del></del>				
10181         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %           10182         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10183         AAD         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10184         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10185         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)         LTE-FDD         6.51         ± 9.6 %           10186         AAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10189         AAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.52         ± 9.6 %           10193         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN         8.09         ± 9.6 %           10194         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)			LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)		·	
10182         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10183         AAD         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10184         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10185         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)         LTE-FDD         6.51         ± 9.6 %           10186         AAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10189         AAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10193         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN         8.09         ± 9.6 %           10194         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.21         ± 9.6 %           10195         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)			LTE-FDD (SC-FDMA 1 RB 15 MHz OPSK)			
10183         AAD         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10184         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10185         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)         LTE-FDD         6.51         ± 9.6 %           10186         AAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10189         AAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10193         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN         8.09         ± 9.6 %           10194         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.21         ± 9.6 %           10195         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, BPSK)         WLAN         8.10         ± 9.6 %           10197         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN						
10184         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10185         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)         LTE-FDD         6.51         ± 9.6 %           10186         AAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10189         AAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10193         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN         8.09         ± 9.6 %           10194         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.12         ± 9.6 %           10195         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, BPSK)         WLAN         8.21         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN         8.13         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN </td <td>···</td> <td></td> <td></td> <td></td> <td>***************************************</td> <td></td>	···				***************************************	
10185         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)         LTE-FDD         6.51         ± 9.6 %           10186         AAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10189         AAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10193         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN         8.09         ± 9.6 %           10194         CAC         IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)         WLAN         8.12         ± 9.6 %           10195         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.21         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         WLAN         8.10         ± 9.6 %           10197         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN         8.13         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
10186         AAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10189         AAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10193         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN         8.09         ± 9.6 %           10194         CAC         IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)         WLAN         8.12         ± 9.6 %           10195         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.21         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         WLAN         8.10         ± 9.6 %           10197         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN         8.13         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN         8.27         ± 9.6 %			LIE EDD (CO EDMA 4 DD CAME 40 CAME			
10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10189         AAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10193         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN         8.09         ± 9.6 %           10194         CAC         IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)         WLAN         8.12         ± 9.6 %           10195         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.21         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         WLAN         8.10         ± 9.6 %           10197         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN         8.13         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN         8.27         ± 9.6 %						
10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10189         AAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.52         ± 9.6 %           10193         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN         8.09         ± 9.6 %           10194         CAC         IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)         WLAN         8.12         ± 9.6 %           10195         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.21         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         WLAN         8.10         ± 9.6 %           10197         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN         8.13         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN         8.27         ± 9.6 %						
10189         AAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10193         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN         8.09         ± 9.6 %           10194         CAC         IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)         WLAN         8.12         ± 9.6 %           10195         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.21         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         WLAN         8.10         ± 9.6 %           10197         CAC         IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)         WLAN         8.13         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN         8.27         ± 9.6 %						±9.6%
10189         AAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10193         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN         8.09         ± 9.6 %           10194         CAC         IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)         WLAN         8.12         ± 9.6 %           10195         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.21         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         WLAN         8.10         ± 9.6 %           10197         CAC         IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)         WLAN         8.13         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN         8.27         ± 9.6 %				LTE-FDD	6.52	± 9.6 %
10193         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN         8.09         ± 9.6 %           10194         CAC         IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)         WLAN         8.12         ± 9.6 %           10195         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.21         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         WLAN         8.10         ± 9.6 %           10197         CAC         IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)         WLAN         8.13         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN         8.27         ± 9.6 %						
10194         CAC         IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)         WLAN         8.12         ± 9.6 %           10195         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.21         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         WLAN         8.10         ± 9.6 %           10197         CAC         IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)         WLAN         8.13         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN         8.27         ± 9.6 %			IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)			
10195         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.21         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         WLAN         8.10         ± 9.6 %           10197         CAC         IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)         WLAN         8.13         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN         8.27         ± 9.6 %	10194		IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)			
10196       CAC       IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)       WLAN       8.10       ± 9.6 %         10197       CAC       IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)       WLAN       8.13       ± 9.6 %         10198       CAC       IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)       WLAN       8.27       ± 9.6 %			IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)			
10197 CAC IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.13 ± 9.6 % 10198 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ± 9.6 %						
10198 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ± 9.6 %						
10240 CAC IEEE 000 44- (IEEE 17.0 M)						
WLAN 8.03 ± 9.6 %					***************************************	
		<u> </u>	TEEL COLLETT ( ET MINOG, 1.2 MINPS, DESK)	I WLAN	8.03	± 9.6 %

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10220 10221 10222	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN WLAN	8.13 8.27	±9.6 %
10222		IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WIAN !	ี	
	~ ~ ~ 1		•		± 9.6 %
140000	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 9.6 %
10223	CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10224	CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	± 9.6 %
10225	CAB	UMTS-FDD (HSPA+)	WCDMA ·	5.97	±9.6 %
10226	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10227	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6%
10229	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9,19	± 9.6 %
10232	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6%
10234	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6%
10235	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6%
10236	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAW)  LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
				9.21	
10241	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD		±9.6%
10242	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6%
10243	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	±9.6%
10244	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6%
10245	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6 %
10246	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10247	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.6%
10248	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6 %
10249	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10250	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±9.6%
10251	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6%
10252	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 9.6 %
10254	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	± 9.6 %
10256	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	± 9.6 %
10259	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	±9.6%
10260	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
10261	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±9.6%
10262	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10263	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10265	CAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QF3R)  LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	10.07	± 9.6 %
			LTE-TDD	9.30	±9.6 %
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	10.06	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)			
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	±9.6 %
10270	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	± 9.6 %
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10275	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3,96	± 9.6 %
10277	CAA	PHS (QPSK)	PHS	11.81	± 9.6 %
10278	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10279	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	± 9.6 %
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	± 9.6 %
	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10295					
10297	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
		LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD LTE-FDD	5.81 5.72	± 9.6 % ± 9.6 %