

APPENDIX A: SAR TEST DATA

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: H77FP2WV19

Communication System: UID 0, GSM GPRS; 2 Tx slots; Frequency: 824.2 MHz; Duty Cycle: 1:4.15

Medium: 835 MHz Body Medium parameters used (interpolated):

$f = 824.2 \text{ MHz}$; $\sigma = 0.993 \text{ S/m}$; $\epsilon_r = 53.397$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 03-03-2021; Ambient Temp: 23.1°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7420; ConvF(9.54, 9.54, 9.54) @ 824.2 MHz; Calibrated: 10/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1213; Calibrated: 10/12/2020

Phantom: Twin-SAM V4.0 Main; Type: QD 000 P40 CC; Serial: 1406

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: GPRS 850 Antenna 1, Body SAR, Back side, Low.ch, 2 Tx Slots

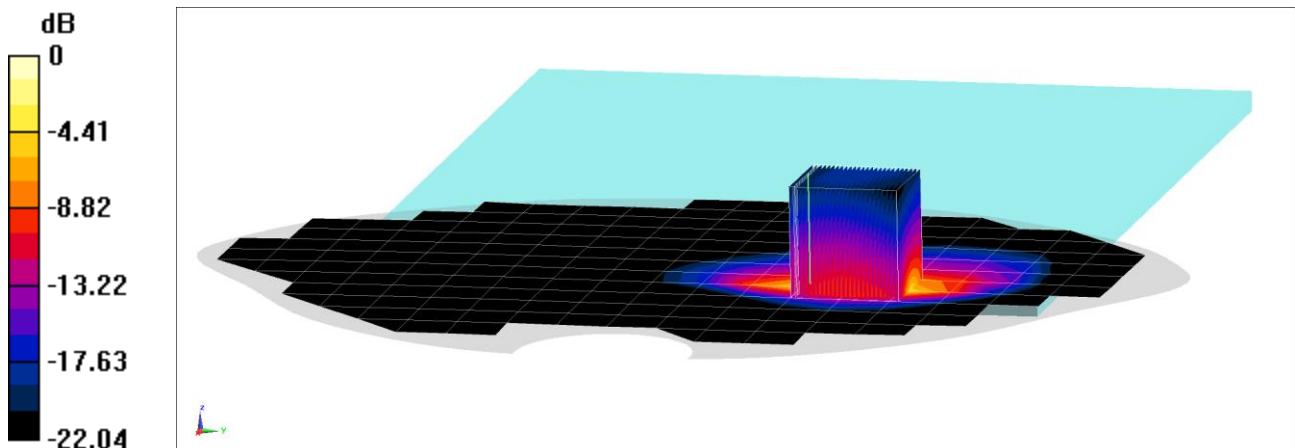
Area Scan (15x19x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (25x26x8)/Cube 0: Measurement grid: dx=1.3mm, dy=1.3mm, dz=1.4mm; Graded Ratio: 1.4

Reference Value = 23.86 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 7.02 W/kg

SAR(1 g) = 0.588 W/kg; SAR(10 g) = 0.259 W/kg



PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: GXWM69926V

Communication System: UID 0, GSM GPRS; 2 Tx slots; Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium: 1900 MHz Body Medium parameters used:

$f = 1880 \text{ MHz}$; $\sigma = 1.501 \text{ S/m}$; $\epsilon_r = 50.862$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 01-06-2021; Ambient Temp: 21.8°C; Tissue Temp: 18.7°C

Probe: EX3DV4 - SN7420; ConvF(7.76, 7.76, 7.76) @ 1880 MHz; Calibrated: 10/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1213; Calibrated: 10/12/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1403

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: GPRS 1900 Antenna 1, Body SAR, Left Edge, Mid.ch, 2 Tx Slots

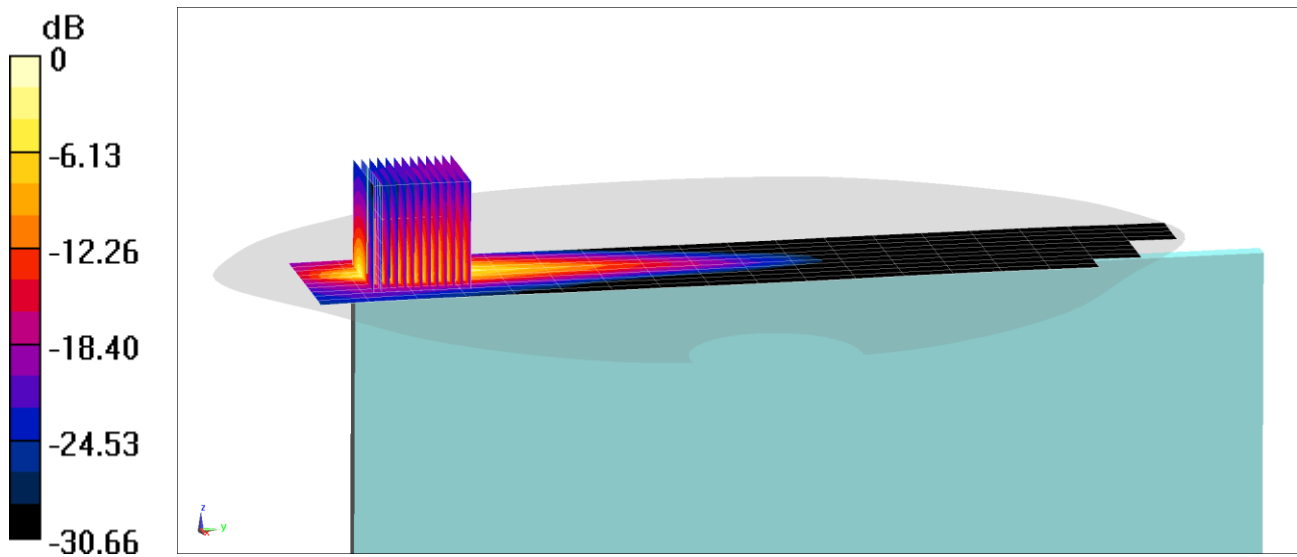
Area Scan (11x19x1): Measurement grid: $dx=5\text{mm}$, $dy=15\text{mm}$

Zoom Scan (14x13x8)/Cube 0: Measurement grid: $dx=2.5\text{mm}$, $dy=2.5\text{mm}$, $dz=1.4\text{mm}$; Graded Ratio: 1.4

Reference Value = 21.43 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 3.83 W/kg

SAR(1 g) = 0.594 W/kg; SAR(10 g) = 0.241 W/kg



0 dB = 1.53 W/kg = 1.85 dBW/kg

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: DH70Y64TLH

Communication System: UID 0, UMTS; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: 835 MHz Body Medium parameters used (interpolated):

$f = 826.4 \text{ MHz}$; $\sigma = 0.985 \text{ S/m}$; $\epsilon_r = 52.856$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 12-30-2020; Ambient Temp: 21.7°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7546; ConvF(9.75, 9.75, 9.75) @ 826.4 MHz; Calibrated: 7/16/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 4/14/2020

Phantom: Twin-SAM V4.0 Main; Type: QD 000 P40 CC; Serial: 1114

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: UMTS 850 Antenna 1, Body SAR, Back side, Low.ch

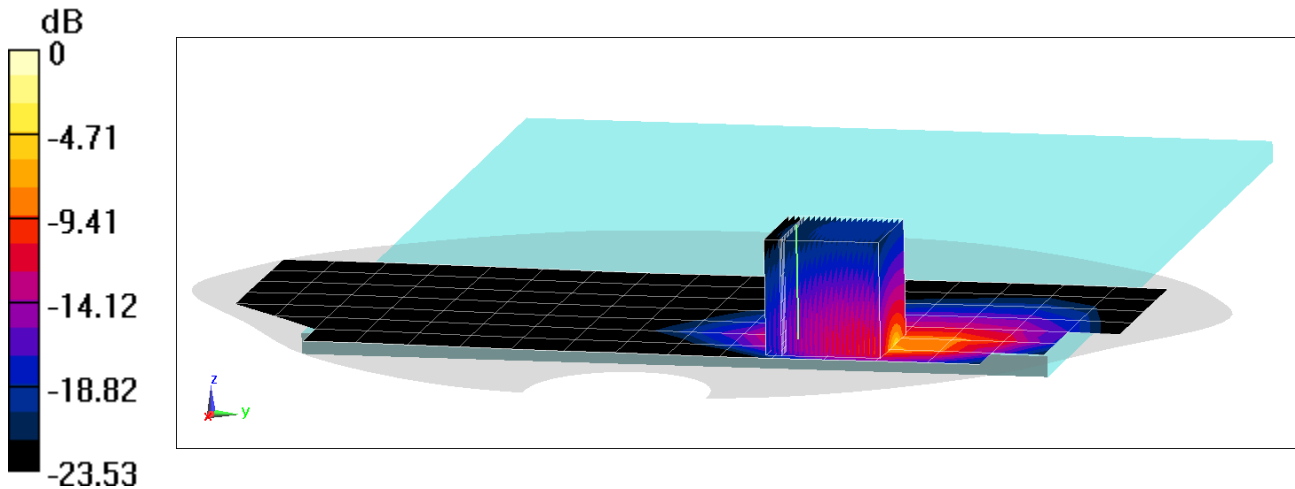
Area Scan (8x18x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (22x23x8)/Cube 0: Measurement grid: $dx=1.5\text{mm}$, $dy=1.5\text{mm}$, $dz=1.4\text{mm}$; Graded Ratio: 1.4

Reference Value = 27.50 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 22.8 W/kg

SAR(1 g) = 0.890 W/kg; SAR(10 g) = 0.347 W/kg



0 dB = 3.21 W/kg = 5.07 dBW/kg

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: M9R2DWTV6G

Communication System: UID 0, UMTS; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: 1750 MHz Body Medium parameters used (interpolated):

$f = 1752.6 \text{ MHz}$; $\sigma = 1.498 \text{ S/m}$; $\epsilon_r = 52.079$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 12-29-2020; Ambient Temp: 21.7°C; Tissue Temp: 19.7°C

Probe: EX3DV4 - SN7558; ConvF(8.27, 8.27, 8.27) @ 1752.6 MHz; Calibrated: 10/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1364; Calibrated: 10/12/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: UMTS 1750 Antenna 4b, Body SAR, Back side, High.ch

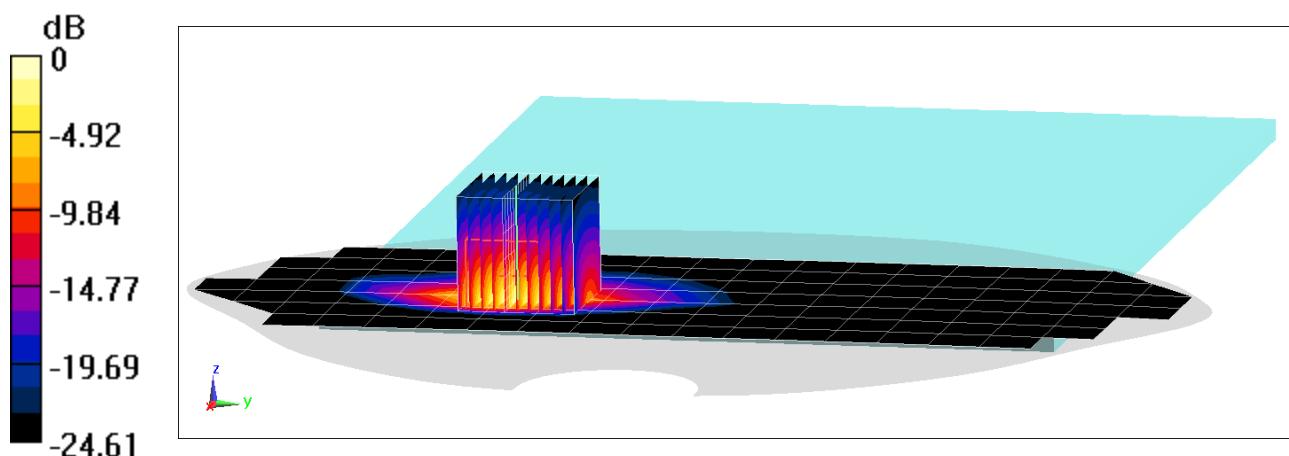
Area Scan (8x20x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (11x11x8)/Cube 0: Measurement grid: $dx=3.4\text{mm}$, $dy=3.4\text{mm}$, $dz=1.4\text{mm}$; Graded Ratio: 1.4

Reference Value = 23.72 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.40 W/kg

SAR(1 g) = 0.816 W/kg; SAR(10 g) = 0.319 W/kg



0 dB = 1.83 W/kg = 2.62 dBW/kg

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: Y919JM96JK

Communication System: UID 0, UMTS; Frequency: 1907.6 MHz; Duty Cycle: 1:1
Medium: 1900 MHz Medium parameters used (interpolated):
 $f = 1907.6 \text{ MHz}$; $\sigma = 1.517 \text{ S/m}$; $\epsilon_r = 53.183$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section; Space: 0.0 cm

Test Date: 01-04-2021; Ambient Temp: 23.5°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7420; ConvF(7.76, 7.76, 7.76) @ 1907.6 MHz; Calibrated: 10/21/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1213; Calibrated: 10/12/2020
Phantom: Twin-SAM V4.0 Sub; Type: QD 000 P40 CC; Serial: 1403
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: UMTS 1900 Antenna 4b, Body SAR, Back side, High.ch

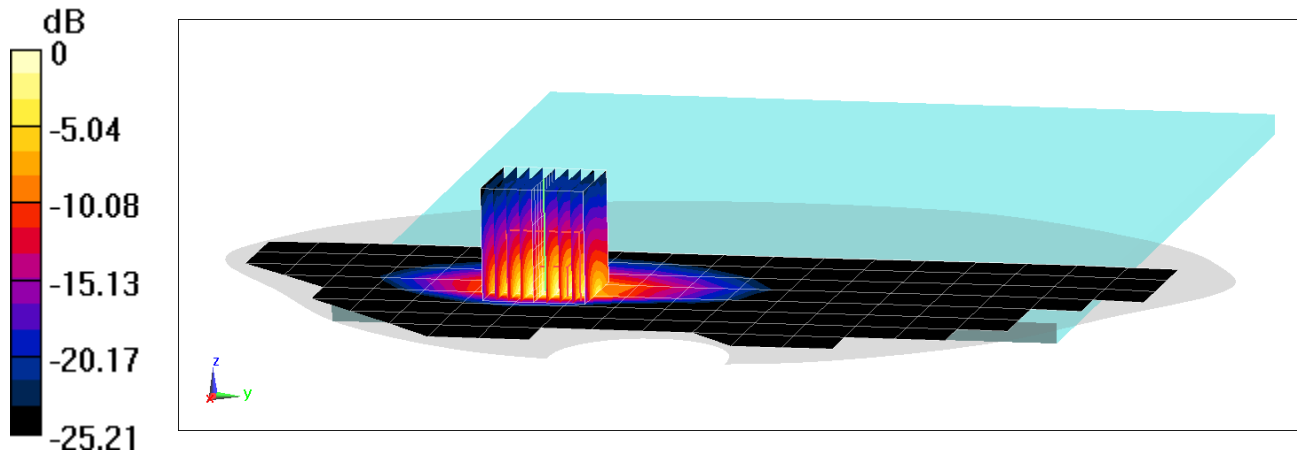
Area Scan (10x19x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (9x9x8)/Cube 0: Measurement grid: $dx=3.8\text{mm}$, $dy=3.8\text{mm}$, $dz=1.4\text{mm}$; Graded Ratio: 1.4

Reference Value = 22.76 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.41 W/kg

SAR(1 g) = 0.673 W/kg; SAR(10 g) = 0.270 W/kg



0 dB = 1.33 W/kg = 1.24 dBW/kg

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: GXWM69926V

Communication System: UID 0, LTE Band 71; Frequency: 680.5 MHz; Duty Cycle: 1:1

Medium: 750 MHz Body Medium parameters used (interpolated):

$f = 680.5 \text{ MHz}$; $\sigma = 0.926 \text{ S/m}$; $\epsilon_r = 54.234$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 01-09-2021; Ambient Temp: 21.9°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7427; ConvF(10.16, 10.16, 10.16) @ 680.5 MHz; Calibrated: 2/19/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1403; Calibrated: 2/13/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CD; Serial: 1736

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**Mode: LTE Band 71 Antenna 1, Body SAR, Back side, Mid.ch,
20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

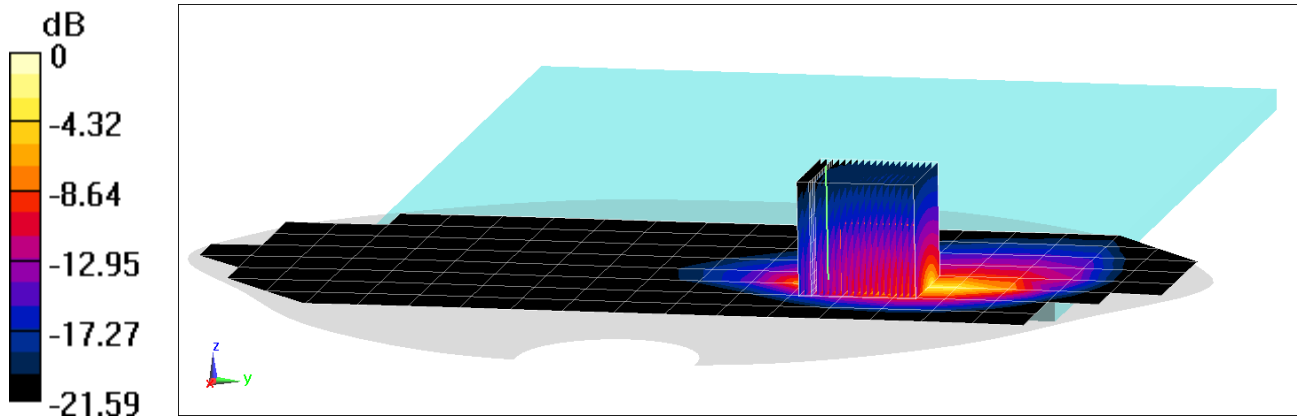
Area Scan (9x20x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (18x20x8)/Cube 0: Measurement grid: dx=1.8mm, dy=1.8mm, dz=1.4mm; Graded Ratio: 1.4

Reference Value = 23.03 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 11.1 W/kg

SAR(1 g) = 0.591 W/kg; SAR(10 g) = 0.245 W/kg



0 dB = 2.03 W/kg = 3.07 dBW/kg

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: GXWM69926V

Communication System: UID 0, LTE Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: 750 MHz Body Medium parameters used (interpolated):

$f = 707.5 \text{ MHz}$; $\sigma = 0.965 \text{ S/m}$; $\epsilon_r = 53.598$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 12-29-2020; Ambient Temp: 23.6°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7427; ConvF(10.16, 10.16, 10.16) @ 707.5 MHz; Calibrated: 2/19/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1403; Calibrated: 2/13/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CD; Serial: 1736

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**Mode: LTE Band 12 Antenna 1, Body SAR, Back side,
Mid.ch, 10 MHz Bandwidth, QPSK, 25 RB, 0 RB Offset**

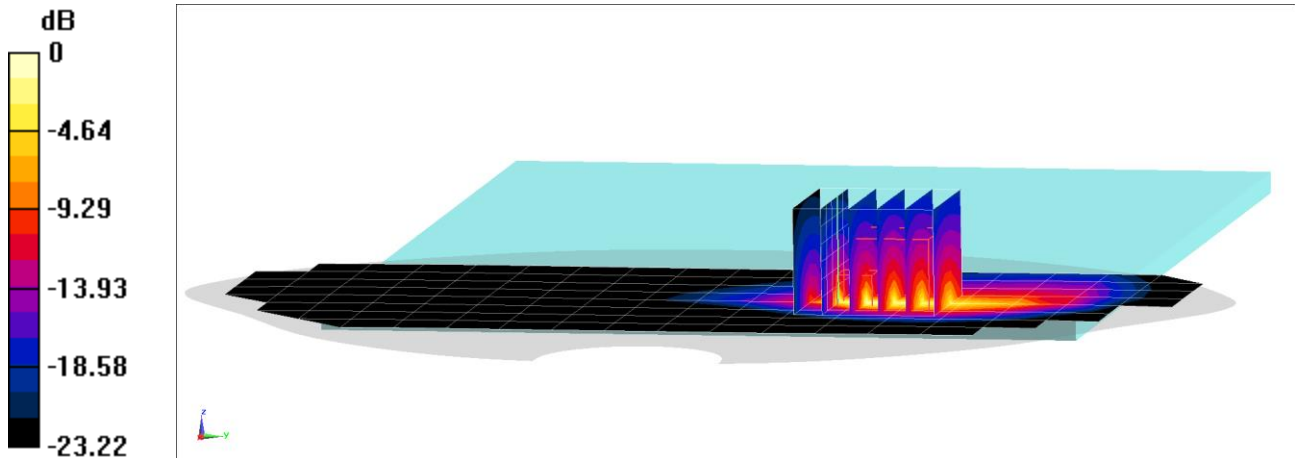
Area Scan (9x21x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 27.82 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 5.53 W/kg

SAR(1 g) = 0.885 W/kg; SAR(10 g) = 0.350 W/kg



0 dB = 3.07 W/kg = 4.87 dBW/kg

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: GXWM69926V

Communication System: UID 0, LTE Band 13; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: 750 MHz Body Medium parameters used (interpolated):

$f = 782 \text{ MHz}$; $\sigma = 0.993 \text{ S/m}$; $\epsilon_r = 53.434$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 12-29-2020; Ambient Temp: 23.6°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7427; ConvF(10.16, 10.16, 10.16) @ 782 MHz; Calibrated: 2/19/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1403; Calibrated: 2/13/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CD; Serial: 1736

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**Mode: LTE Band 13 Antenna 1, Body SAR, Bottom Edge,
Mid.ch, 10 MHz Bandwidth, QPSK, 25 RB, 0 RB Offset**

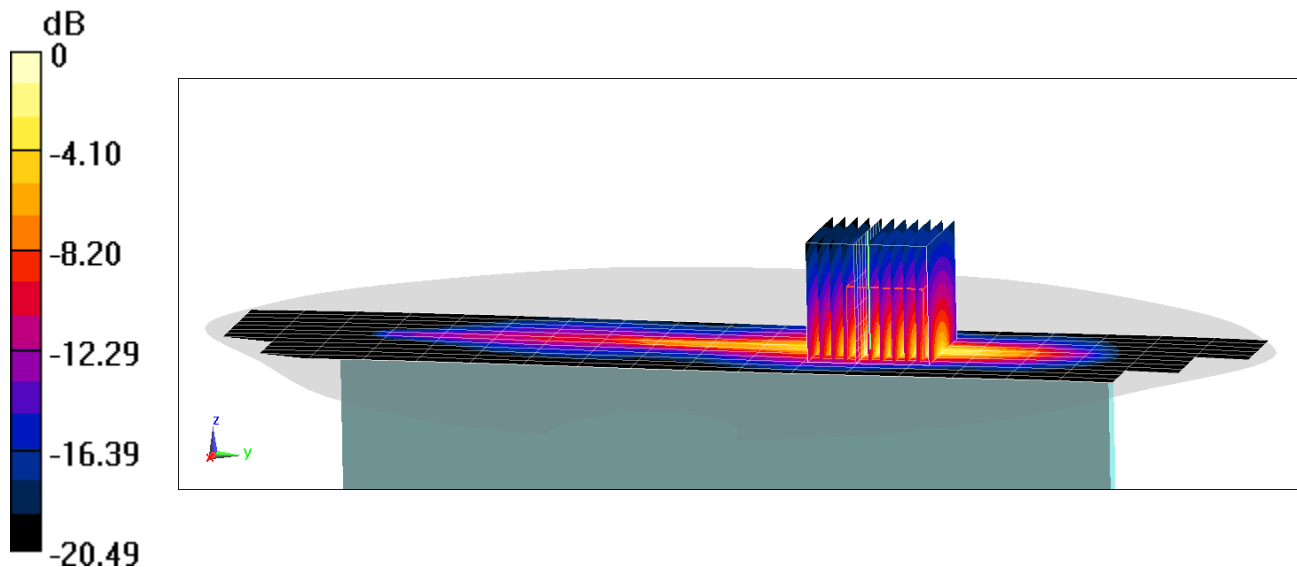
Area Scan (13x20x1): Measurement grid: dx=5mm, dy=15mm

Zoom Scan (11x11x8)/Cube 0: Measurement grid: dx=3.4mm, dy=3.4mm, dz=1.4mm; Graded Ratio: 1.4

Reference Value = 26.42 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 4.25 W/kg

SAR(1 g) = 0.707 W/kg; SAR(10 g) = 0.297 W/kg



0 dB = 1.75 W/kg = 2.43 dBW/kg

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: FFQ5HYX09W

Communication System: UID 0, LTE Band 14; Frequency: 793 MHz; Duty Cycle: 1:1

Medium: 750 MHz Body Medium parameters used (interpolated):

$f = 793 \text{ MHz}$; $\sigma = 0.997 \text{ S/m}$; $\epsilon_r = 53.412$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 12-29-2020; Ambient Temp: 23.6°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7427; ConvF(10.16, 10.16, 10.16) @ 793 MHz; Calibrated: 2/19/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1403; Calibrated: 2/13/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CD; Serial: 1736

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**Mode: LTE Band 14 Antenna 1, Body SAR, Bottom Edge,
Mid.ch, 10 MHz Bandwidth, QPSK, 50 RB, 0 RB Offset**

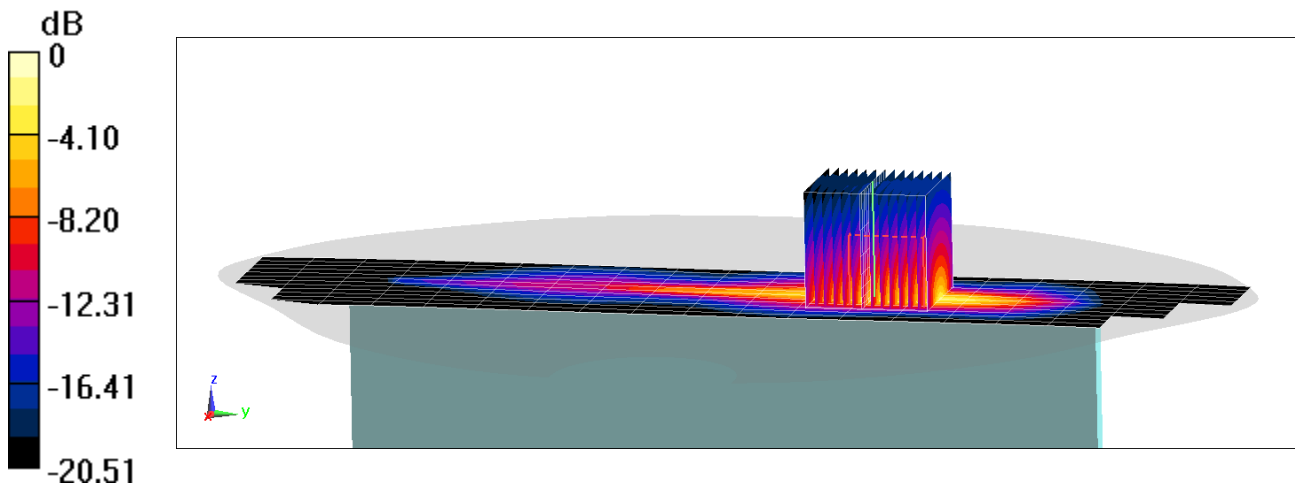
Area Scan (13x20x1): Measurement grid: dx=5mm, dy=15mm

Zoom Scan (13x14x8)/Cube 0: Measurement grid: dx=2.7mm, dy=2.7mm, dz=1.4mm; Graded Ratio: 1.4

Reference Value = 26.42 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.49 W/kg

SAR(1 g) = 0.663 W/kg; SAR(10 g) = 0.281 W/kg



0 dB = 1.60 W/kg = 2.04 dBW/kg

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: QT394MN7TK

Communication System: UID 0, LTE Band 26; Frequency: 819 MHz; Duty Cycle: 1:1

Medium: 835 MHz Body Medium parameters used (interpolated):

$f = 819 \text{ MHz}$; $\sigma = 0.961 \text{ S/m}$; $\epsilon_r = 53.56$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 12-28-2020; Ambient Temp: 24.0°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7546; ConvF(9.75, 9.75, 9.75) @ 819 MHz; Calibrated: 7/16/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 4/14/2020

Phantom: Twin-SAM V4.0 Main; Type: QD 000 P40 CC; Serial: 1114

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**Mode: LTE Band 26 (Cell.) Antenna 1, Body SAR, Back side,
Low.ch, 10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

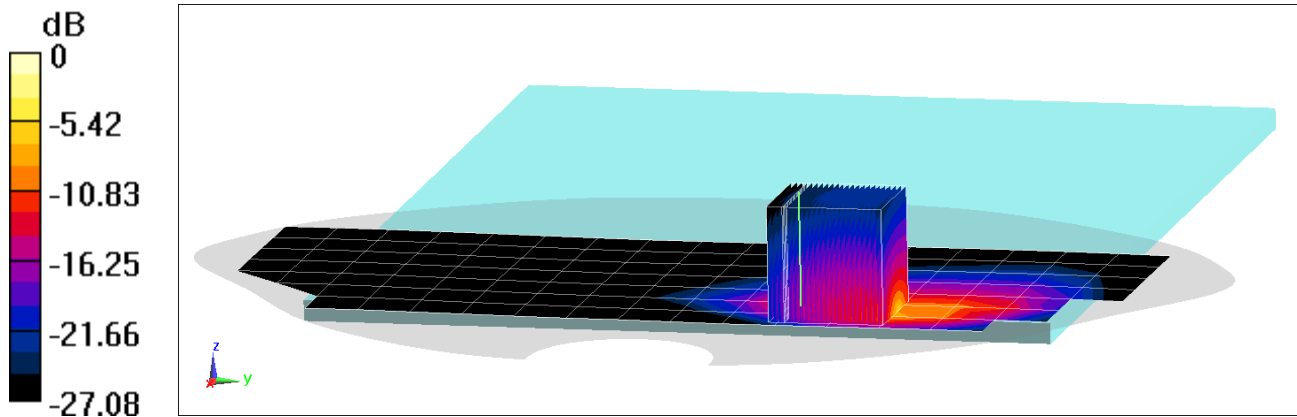
Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (22x26x8)/Cube 0: Measurement grid: dx=1.9mm, dy=1.9mm, dz=1.4mm; Graded Ratio: 1.4

Reference Value = 27.20 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 19.0 W/kg

SAR(1 g) = 0.823 W/kg; SAR(10 g) = 0.341 W/kg



0 dB = 3.09 W/kg = 4.90 dBW/kg

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: QT394MN7TK

Communication System: UID 0, LTE Band 5; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: 835 MHz Body Medium parameters used (interpolated):

$f = 836.5 \text{ MHz}$; $\sigma = 0.996 \text{ S/m}$; $\epsilon_r = 52.738$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 12-30-2020; Ambient Temp: 21.7°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7546; ConvF(9.75, 9.75, 9.75) @ 836.5 MHz; Calibrated: 7/16/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 4/14/2020

Phantom: Twin-SAM V4.0 Main; Type: QD 000 P40 CC; Serial: 1114

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**Mode: LTE Band 5 (Cell.) Antenna 1, Body SAR, Back side,
Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

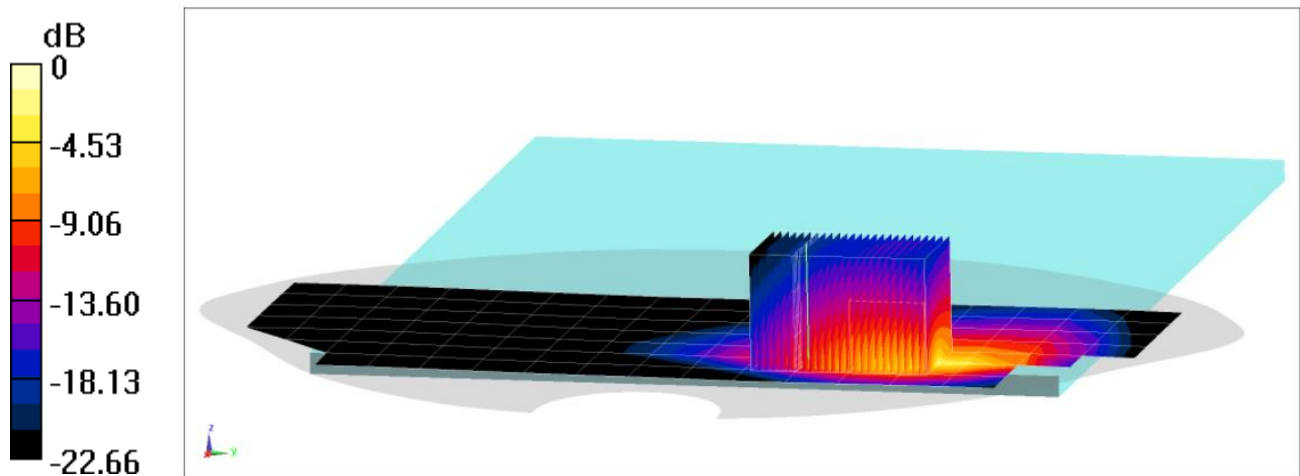
Area Scan (8x18x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (16x25x8)/Cube 0: Measurement grid: dx=2.1mm, dy=2.1mm, dz=1.4mm; Graded Ratio: 1.4

Reference Value = 25.66 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 9.65 W/kg

SAR(1 g) = 0.781 W/kg; SAR(10 g) = 0.390 W/kg



0 dB = 2.23 W/kg = 3.48 dBW/kg

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: Y919JM96JK

Communication System: UID 0, LTE Band 66 (AWS); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: 1750 MHz Body Medium parameters used (interpolated):

$f = 1745 \text{ MHz}$; $\sigma = 1.492 \text{ S/m}$; $\epsilon_r = 51.621$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 12-31-2020; Ambient Temp: 21.3°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7558; ConvF(8.27, 8.27, 8.27) @ 1745 MHz; Calibrated: 10/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1364; Calibrated: 10/12/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**Mode: LTE Band 66 (AWS) Antenna 2b, Body SAR, Back side,
Mid.ch, 20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

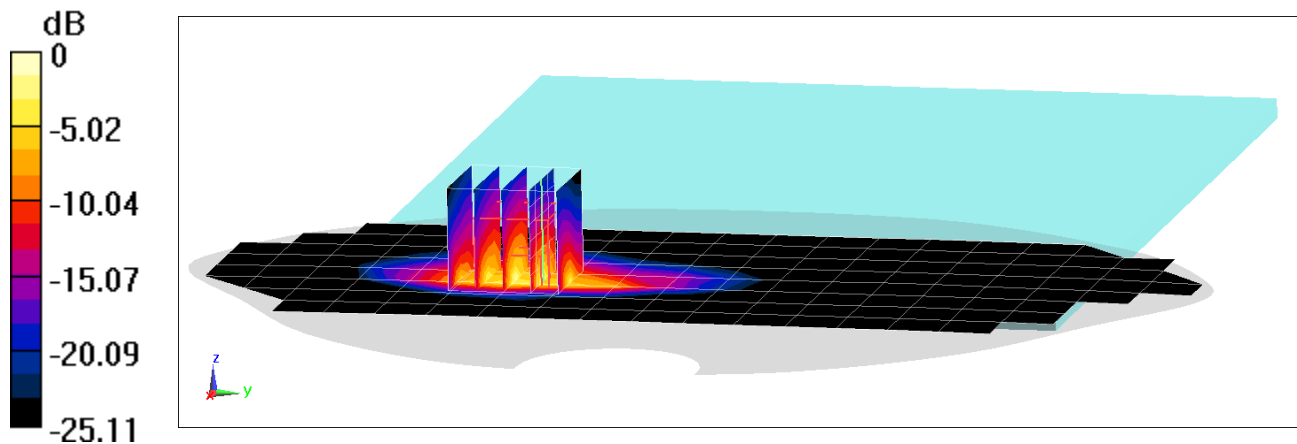
Area Scan (9x20x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 22.07 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.43 W/kg

SAR(1 g) = 0.728 W/kg; SAR(10 g) = 0.293 W/kg



0 dB = 1.78 W/kg = 2.50 dBW/kg

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: M9R2DWTV6G

Communication System: UID 0, LTE Band 25 (PCS); Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: 1900 MHz Body Medium parameters used (interpolated):

$f = 1905 \text{ MHz}$; $\sigma = 1.512 \text{ S/m}$; $\epsilon_r = 51.988$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 01-02-2021; Ambient Temp: 22.7°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7420; ConvF(7.76, 7.76, 7.76) @ 1905 MHz; Calibrated: 10/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1213; Calibrated: 10/12/2020

Phantom: Twin-SAM V4.0 Sub; Type: QD 000 P40 CC; Serial: 1403

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**Mode: LTE Band 25 (PCS) Antenna 4b, Body SAR, Back side, High.ch,
20 MHz Bandwidth, QPSK, 50 RB, 50 RB Offset**

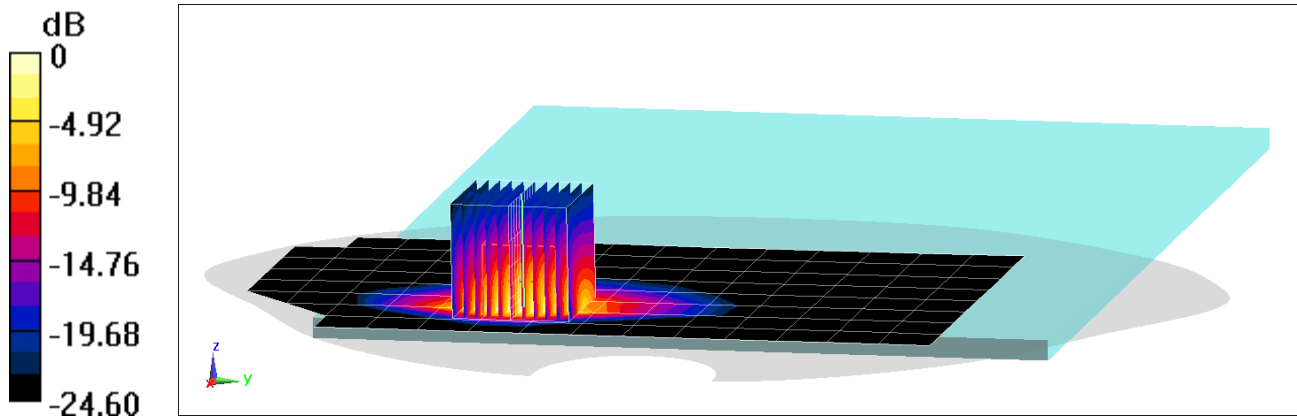
Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (11x11x8)/Cube 0: Measurement grid: dx=3.4mm, dy=3.4mm, dz=1.4mm; Graded Ratio: 1.4

Reference Value = 21.66 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.90 W/kg

SAR(1 g) = 0.645 W/kg; SAR(10 g) = 0.261 W/kg



0 dB = 1.19 W/kg = 0.76 dBW/kg

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: H77FP2WV19

Communication System: UID 0, LTE Band 30; Frequency: 2310 MHz; Duty Cycle: 1:1

Medium: 2300 MHz Body Medium parameters used:

$f = 2310 \text{ MHz}$; $\sigma = 1.899 \text{ S/m}$; $\epsilon_r = 50.588$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 02-09-2021; Ambient Temp: 22.1°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7558; ConvF(7.85, 7.85, 7.85) @ 2310 MHz; Calibrated: 10/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1364; Calibrated: 10/12/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**Mode: LTE Band 30 Antenna 2b, Body SAR, Back side, Mid.ch,
10 MHz Bandwidth, QPSK, 50 RB, 0 RB Offset**

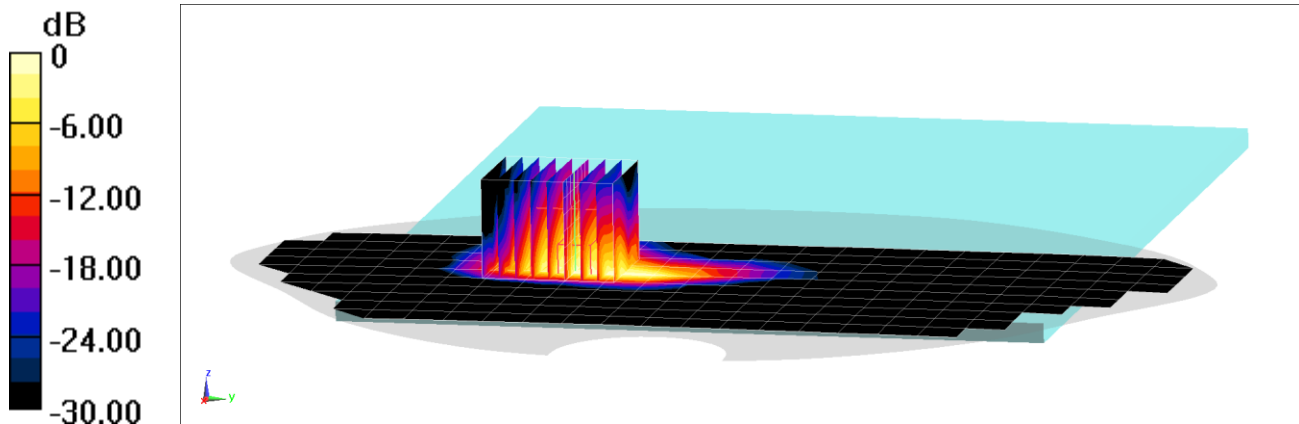
Area Scan (11x26x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (8x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.94 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.61 W/kg

SAR(1 g) = 0.833 W/kg; SAR(10 g) = 0.346 W/kg



0 dB = 1.82 W/kg = 2.60 dBW/kg

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: H77FP2WV19

Communication System: UID 0, LTE Band 7; Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: 2450 MHz Body Medium parameters used (interpolated):

$f = 2560 \text{ MHz}$; $\sigma = 2.118 \text{ S/m}$; $\epsilon_r = 50.36$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 01-13-2021; Ambient Temp: 24.2°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7546; ConvF(7.17, 7.17, 7.17) @ 2560 MHz; Calibrated: 7/16/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 4/14/2020

Phantom: Twin-SAM V4.0 Main; Type: QD 000 P40 CC; Serial: 1114

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: LTE Band 7 Antenna 2b, ULCA, Body SAR, Back side,

PCC: Ch.21350, 20 MHz Bandwidth, QPSK, 50 RB 0 RB Offset

SCC: Ch.21152, 20 MHz Bandwidth, QPSK, 50 RB 50 RB Offset

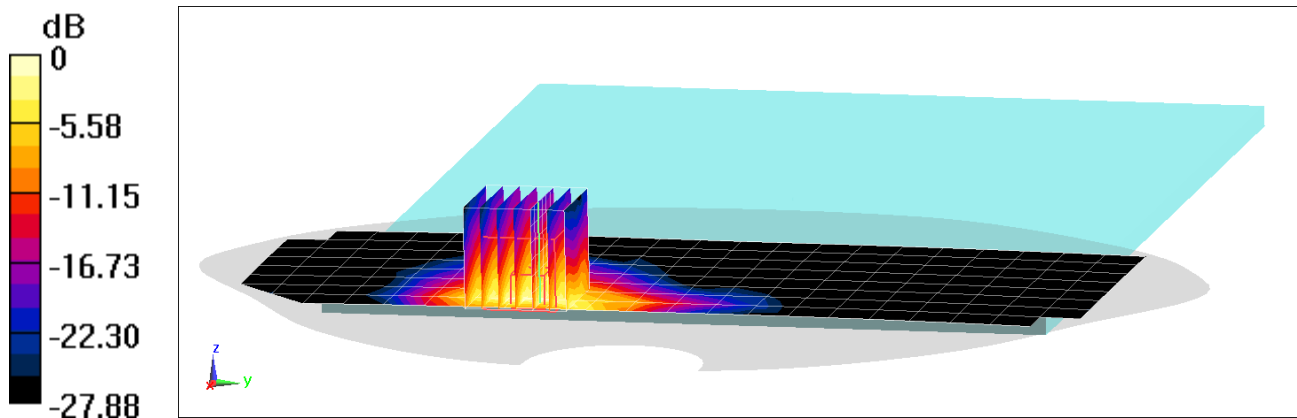
Area Scan (10x16x1): Measurement grid: dx=12mm, dy=12mm

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

Reference Value = 20.21 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 3.11 W/kg

SAR(1 g) = 0.798 W/kg; SAR(10 g) = 0.323 W/kg



0 dB = 1.90 W/kg = 2.79 dBW/kg

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: DH70Y64TLH

Communication System: UID 0, LTE Band 41 (Class 3); Frequency: 2680 MHz; Duty Cycle: 1:1.58

Medium: 2450 MHz Body Medium parameters used (interpolated):

$f = 2680 \text{ MHz}$; $\sigma = 2.22 \text{ S/m}$; $\epsilon_r = 50.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 01-11-2021; Ambient Temp: 22.3°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7546; ConvF(7.17, 7.17, 7.17) @ 2680 MHz; Calibrated: 7/16/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 4/14/2020

Phantom: Twin-SAM V4.0 Main; Type: QD 000 P40 CC; Serial: 1114

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: LTE Band 41 Antenna 2b, ULCA PC3, Body SAR, Back side,

PCC: Ch.41490, 20 MHz Bandwidth, QPSK, 50 RB 0 RB Offset

SCC: Ch.41292, 20 MHz Bandwidth, QPSK, 50 RB 50 RB Offset

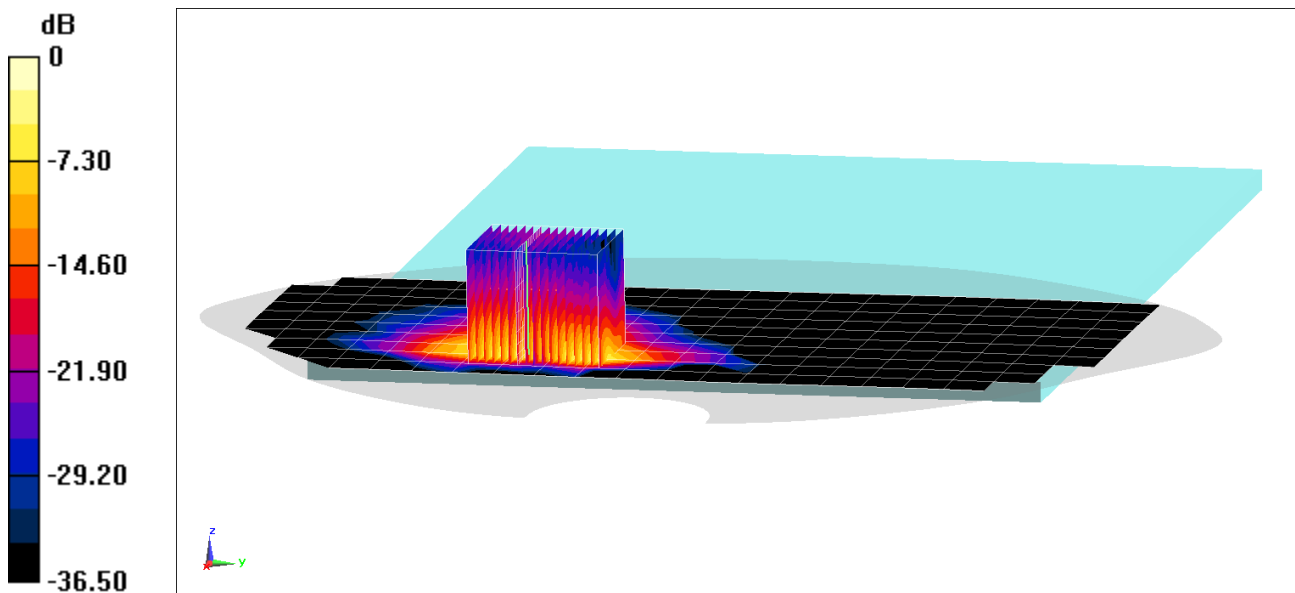
Area Scan (11x22x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (15x17x8)/Cube 0: Measurement grid: dx=2.4mm, dy=2.4mm, dz=1.4mm; Graded Ratio: 1.4

Reference Value = 14.29 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 4.43 W/kg

SAR(1 g) = 0.876 W/kg; SAR(10 g) = 0.357 W/kg



0 dB = 2.03 W/kg = 3.07 dBW/kg

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: M9R2DWTV6G

Communication System: UID 0, LTE Band 48; Frequency: 3646.7 MHz; Duty Cycle: 1:1.58

Medium: 3500-3700 MHz Body Medium parameters used (interpolated):

$f = 3646.7 \text{ MHz}$; $\sigma = 3.502 \text{ S/m}$; $\epsilon_r = 48.968$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 01-06-2021; Ambient Temp: 24.5°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7421; ConvF(6.57, 6.57, 6.57) @ 3646.7 MHz; Calibrated: 3/20/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn604; Calibrated: 3/19/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1179

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: LTE Band 48 Antenna 2a, ULCA, Body SAR, Right Edge,

PCC: Ch.56207, 20 MHz Bandwidth, QPSK, 1 RB 0 RB Offset

SCC: Ch.56009, 20 MHz Bandwidth, QPSK, 1 RB 99 RB Offset

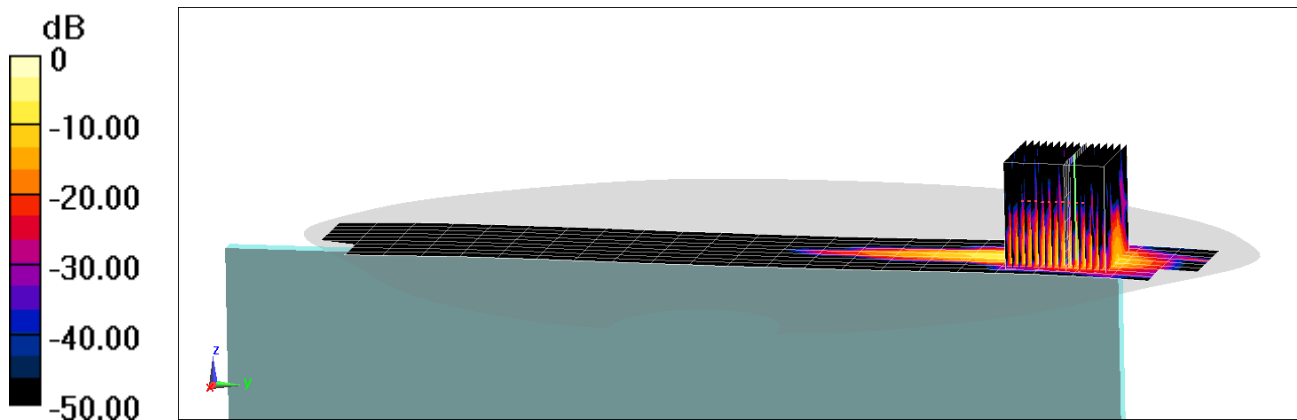
Area Scan (10x12x1): Measurement grid: dx=5mm, dy=12mm

Zoom Scan (14x14x8)/Cube 0: Measurement grid: dx=2.4mm, dy=2.4mm, dz=1.4mm; Graded Ratio: 1.4

Reference Value = 18.94 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 5.33 W/kg

SAR(1 g) = 0.982 W/kg; SAR(10 g) = 0.251 W/kg



PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: GXWM69926V

Communication System: UID 0, NR Band n71; Frequency: 680.5 MHz; Duty Cycle: 1:1

Medium: 750 MHz Body Medium parameters used (interpolated):

$f = 680.5 \text{ MHz}$; $\sigma = 0.943 \text{ S/m}$; $\epsilon_r = 54.094$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 01-22-2021; Ambient Temp: 22.5°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7558; ConvF(10.41, 10.41, 10.41) @ 680.5 MHz; Calibrated: 10/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1364; Calibrated: 10/12/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**Mode: NR Band n71 Antenna 3, Body SAR, Back Side, 20 MHz Bandwidth,
CP-OFDM QPSK, Ch. 136100, 1 RB, 1 RB Offset**

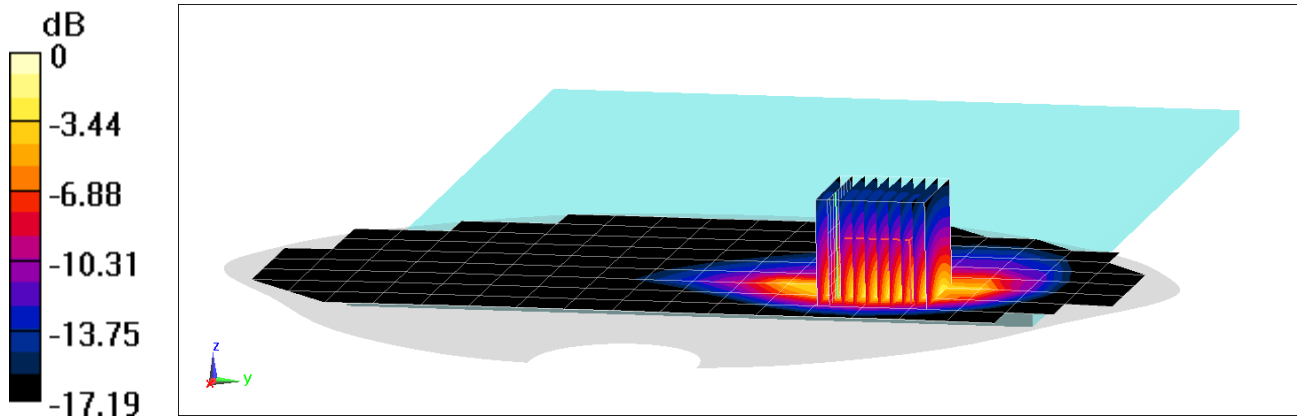
Area Scan (11x21x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (10x10x8)/Cube 0: Measurement grid: dx=3.8mm, dy=3.8mm, dz=1.4mm; Graded Ratio: 1.4

Reference Value = 24.79 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.17 W/kg

SAR(1 g) = 0.583 W/kg; SAR(10 g) = 0.300 W/kg



0 dB = 1.13 W/kg = 0.53 dBW/kg

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: GXWM69926V

Communication System: UID 0, NR Band n12; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: 750 MHz Body Medium parameters used (interpolated):

$f = 707.5 \text{ MHz}$; $\sigma = 0.953 \text{ S/m}$; $\epsilon_r = 54.038$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 01-22-2021; Ambient Temp: 22.5°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7558; ConvF(10.41, 10.41, 10.41) @ 707.5 MHz; Calibrated: 10/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1364; Calibrated: 10/12/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**Mode: NR Band n12 Antenna 1, Body SAR, Back Side, 15 MHz Bandwidth,
CP-OFDM QPSK, Ch. 141500, 1 RB, 1 RB Offset**

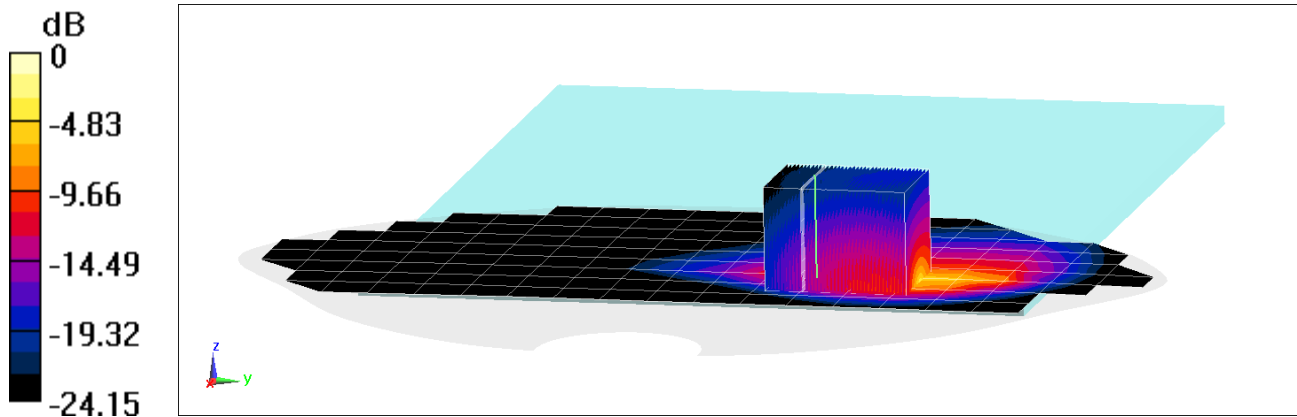
Area Scan (11x20x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (30x39x8)/Cube 0: Measurement grid: dx=1.2mm, dy=1.2mm, dz=1.4mm; Graded Ratio: 1.4

Reference Value = 17.16 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 14.9 W/kg

SAR(1 g) = 0.852 W/kg; SAR(10 g) = 0.360 W/kg



0 dB = 2.94 W/kg = 4.68 dBW/kg

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: DH70Y64TLH

Communication System: UID 0, NR Band n5; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: 835 MHz Body Medium parameters used (interpolated):

$f = 836.5 \text{ MHz}$; $\sigma = 0.995 \text{ S/m}$; $\epsilon_r = 54.638$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 01-20-2021; Ambient Temp: 22.2°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7421; ConvF(9.42, 9.42, 9.42) @ 836.5 MHz; Calibrated: 3/20/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn604; Calibrated: 3/19/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1179

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**Mode: NR Band n5 Antenna 1, Body SAR, Back Side, 20 MHz Bandwidth,
DFT-s-OFDM QPSK, Ch. 167300, 1 RB, 1 RB Offset**

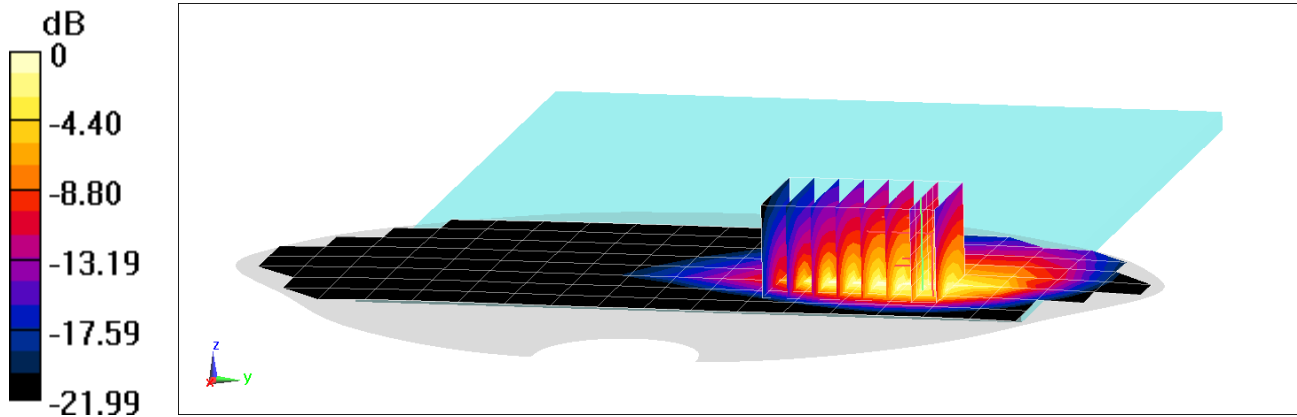
Area Scan (9x20x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (6x8x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.63 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 0.748 W/kg; SAR(10 g) = 0.399 W/kg



0 dB = 1.29 W/kg = 1.11 dBW/kg

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: M9R2DWTV6G

Communication System: UID 0, NR Band n66; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: 1750 MHz Body Medium parameters used (interpolated):

$f = 1745 \text{ MHz}$; $\sigma = 1.532 \text{ S/m}$; $\epsilon_r = 51.635$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 02-24-2021; Ambient Temp: 22.7°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7421; ConvF(7.92, 7.92, 7.92) @ 1745 MHz; Calibrated: 3/20/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn604; Calibrated: 3/19/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1179

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**Mode: NR Band n66, Antenna 4b, Body SAR, Back Side, 20 MHz Bandwidth,
DFT-s-OFDM QPSK, Ch. 349000, 1 RB, 104 RB Offset**

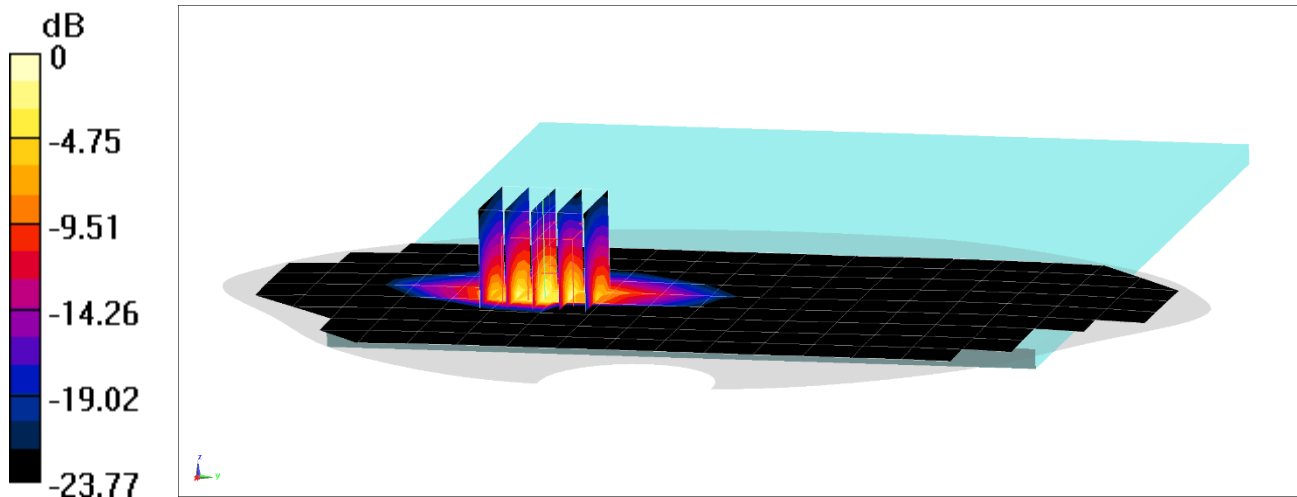
Area Scan (10x19x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 25.60 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.17 W/kg

SAR(1 g) = 0.838 W/kg; SAR(10 g) = 0.338 W/kg



0 dB = 1.66 W/kg = 2.20 dBW/kg

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: M9R2DWTV6G

Communication System: UID 0, NR Band n25; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: 1900 MHz Body Medium parameters used (interpolated):

$f = 1905 \text{ MHz}$; $\sigma = 1.556 \text{ S/m}$; $\epsilon_r = 51.892$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 01-24-2021; Ambient Temp: 21.5°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7420; ConvF(7.76, 7.76, 7.76) @ 1905 MHz; Calibrated: 10/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1213; Calibrated: 10/12/2020

Phantom: Twin-SAM V4.0 Sub; Type: QD 000 P40 CC; Serial: 1403

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**Mode: NR Band n25 Antenna 4b, Body SAR, Back Side, 20 MHz Bandwidth,
DFT-s-OFDM QPSK, Ch. 381000, 1 RB, 1 RB Offset**

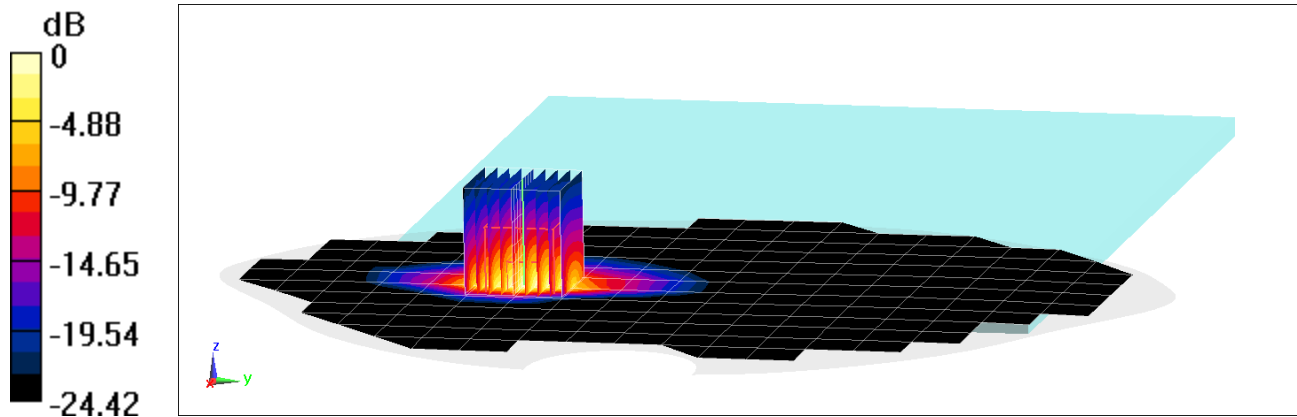
Area Scan (15x19x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=3.8mm, dy=3.8mm, dz=1.4mm; Graded Ratio: 1.4

Reference Value = 21.98 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 0.636 W/kg; SAR(10 g) = 0.258 W/kg



0 dB = 1.26 W/kg = 1.00 dBW/kg

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: Y919JM96JK

Communication System: UID 0, NR Band n41; Frequency: 2592.99 MHz; Duty Cycle: 1:1

Medium: 2450 MHz Medium parameters used (interpolated):

$f = 2592.99$ MHz; $\sigma = 2.144$ S/m; $\epsilon_r = 50.194$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 02-09-2021; Ambient Temp: 22.1°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7558; ConvF(7.46, 7.46, 7.46) @ 2592.99 MHz; Calibrated: 10/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1364; Calibrated: 10/12/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**Mode: NR Band n41 PC3 Antenna 4b, Body SAR, Back Side, 100 MHz Bandwidth,
DFT-s-OFDM QPSK, Ch. 518598, 1 RB, 1 RB Offset**

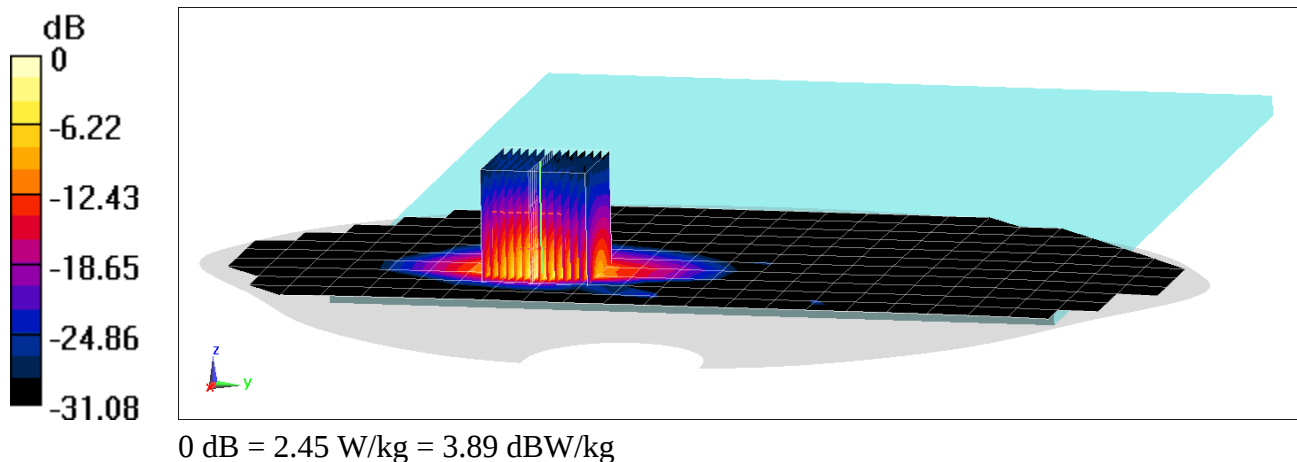
Area Scan (13x26x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (14x14x8)/Cube 0: Measurement grid: dx=2.4mm, dy=2.4mm, dz=1.4mm; Graded Ratio: 1.4

Reference Value = 22.12 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 5.26 W/kg

SAR(1 g) = 0.932 W/kg; SAR(10 g) = 0.319 W/kg



PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: DH70Y64TLH

Communication System: UID 0, NR Band n77; Frequency: 3750 MHz; Duty Cycle: 1:2

Medium: 3500-3900 MHz Body Medium parameters used:

$f = 3750$ MHz; $\sigma = 3.533$ S/m; $\epsilon_r = 50.149$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 02-08-2021; Ambient Temp: 22.6°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN3837; ConvF(6.15, 6.15, 6.15) @ 3750 MHz; Calibrated: 1/18/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn793; Calibrated: 1/13/2021

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CD; Serial: 1736

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**Mode: NR Band n77 Power Class 2 Antenna 4a, Body SAR, Back side, 100 MHz Bandwidth,
DFT-s-OFDM QPSK, Ch. 650000, 1 RB, 137 RB Offset**

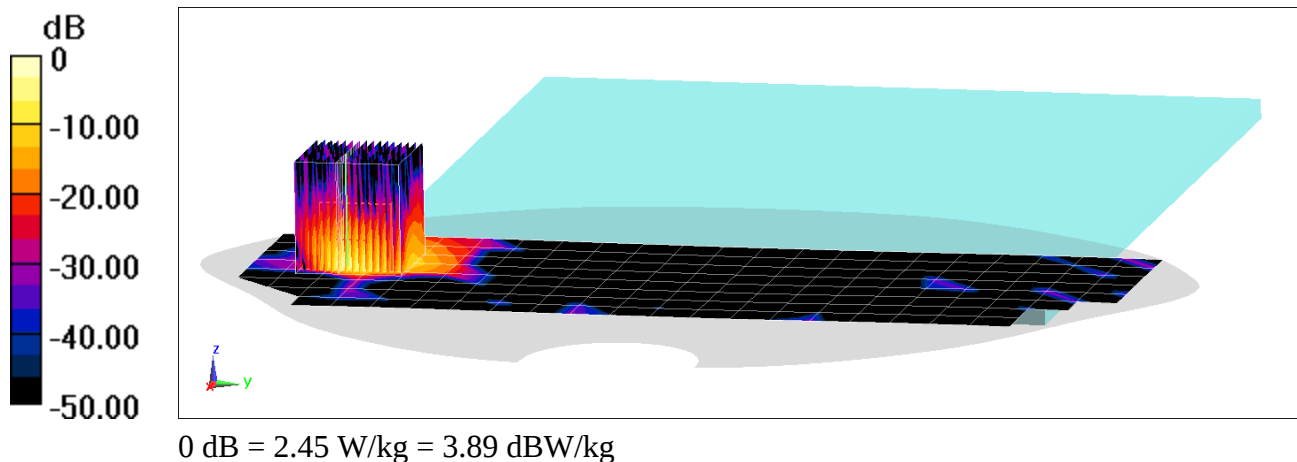
Area Scan (10x16x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (16x16x8)/Cube 0: Measurement grid: dx=2.1mm, dy=2.1mm, dz=1.4mm; Graded Ratio: 1.4

Reference Value = 14.48 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 4.38 W/kg

SAR(1 g) = 0.875 W/kg; SAR(10 g) = 0.262 W/kg



PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: H40TVDCFN7

Communication System: UID 0, IEEE 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450 MHz Body Medium parameters used (interpolated):

$f = 2437 \text{ MHz}$; $\sigma = 2.027 \text{ S/m}$; $\epsilon_r = 51.216$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 01-15-2021; Ambient Temp: 23.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7427; ConvF(7.26, 7.26, 7.26) @ 2437 MHz; Calibrated: 2/19/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1403; Calibrated: 2/13/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CD; Serial: 1736

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**Mode: IEEE 802.11b Antenna 2a Variant 2, 22 MHz Bandwidth,
Body SAR, Ch 6, 1 Mbps, Back Side**

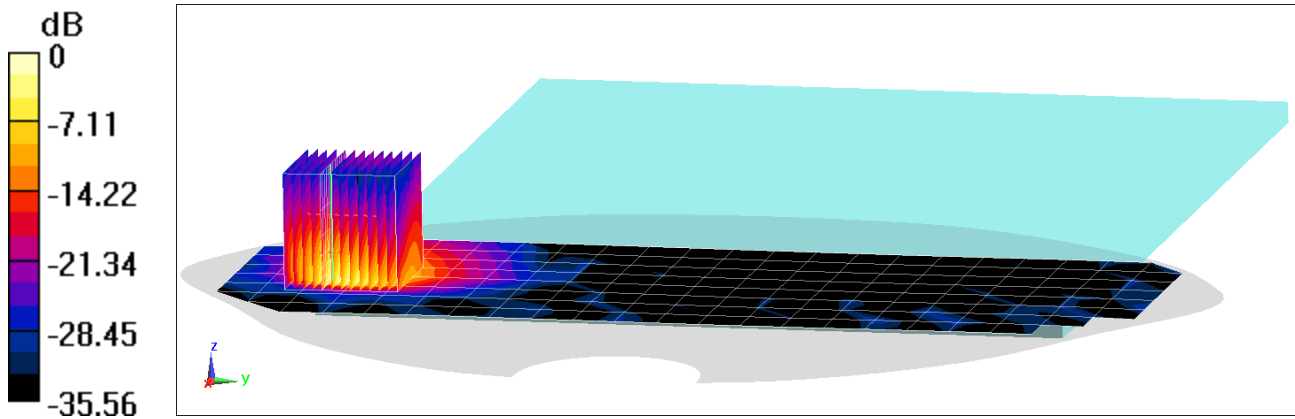
Area Scan (9x23x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (13x13x8)/Cube 0: Measurement grid: dx=2.7mm, dy=2.7mm, dz=1.4mm; Graded Ratio: 1.4

Reference Value = 22.07 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 4.11 W/kg

SAR(1 g) = 0.933 W/kg; SAR(10 g) = 0.358 W/kg



0 dB = 2.20 W/kg = 3.42 dBW/kg

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: H40TVDCFN7

Communication System: UID 0, 802.11ac; Frequency: 5775 MHz; Duty Cycle: 1:1
Medium: 5 GHz Body Medium parameters used (interpolated):
 $f = 5775 \text{ MHz}$; $\sigma = 6.251 \text{ S/m}$; $\epsilon_r = 46.799$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section; Space: 0.0 cm

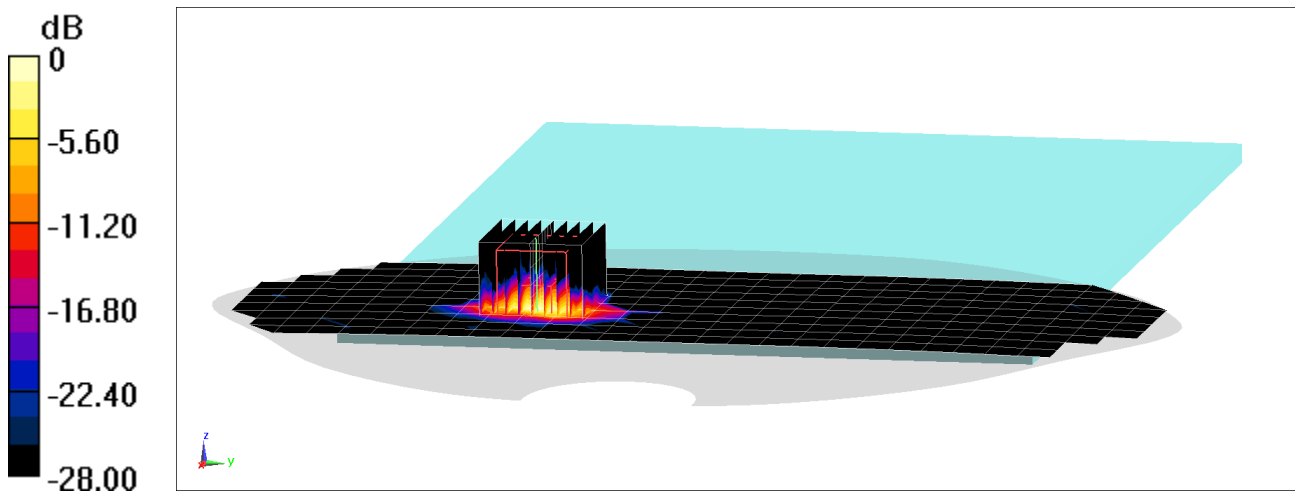
Test Date: 01-21-2021; Ambient Temp: 23.1°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7416; ConvF(4.14, 4.14, 4.14) @ 5775 MHz; Calibrated: 6/22/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn701; Calibrated: 6/11/2020
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CA; Serial: 1275
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**Mode: IEEE 802.11ac, Antenna 4b Variant 2, U-NII-3, 80 MHz Bandwidth,
Body SAR, Ch 155, 29.3 Mbps, Back Side**

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

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Graded Ratio: 1.4
Reference Value = 12.75 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 4.92 W/kg
SAR(1 g) = 0.799 W/kg; SAR(10 g) = 0.219 W/kg



0 dB = 2.12 W/kg = 3.26 dBW/kg

PCTEST

DUT: BCGA2379; Type: Tablet Device; Serial: H40TVDCFN7

Communication System: UID 0, Bluetooth; Frequency: 2402 MHz; Duty Cycle: 1:1.302

Medium: 2450 MHz Body Medium parameters used (interpolated):

$f = 2402 \text{ MHz}$; $\sigma = 1.957 \text{ S/m}$; $\epsilon_r = 52.698$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 01-21-2021; Ambient Temp: 22.8°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7427; ConvF(7.26, 7.26, 7.26) @ 2402 MHz; Calibrated: 2/19/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1403; Calibrated: 2/13/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CD; Serial: 1736

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: Bluetooth Antenna 4a Variant 2, Body SAR, Ch 0, 1 Mbps, Back Side

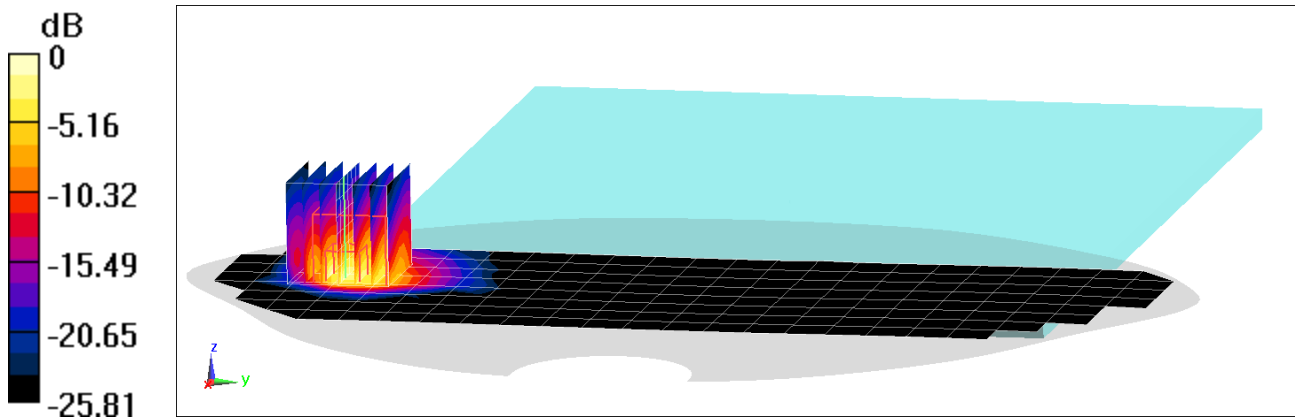
Area Scan (9x24x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.81 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 2.45 W/kg

SAR(1 g) = 0.822 W/kg; SAR(10 g) = 0.333 W/kg



0 dB = 1.77 W/kg = 2.48 dBW/kg

APPENDIX B: SYSTEM VERIFICATION

PCTEST

DUT: Dipole 750 MHz; Type: D750V3; Serial: 1034

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: 750 MHz Body Medium parameters used (interpolated):

$f = 750 \text{ MHz}$; $\sigma = 0.981 \text{ S/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 12-29-2020; Ambient Temp: 23.6°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7427; ConvF(10.16, 10.16, 10.16) @ 750 MHz; Calibrated: 2/19/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1403; Calibrated: 2/13/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CD; Serial: 1736

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

750 MHz System Verification at 23.0 dBm (200 mW)

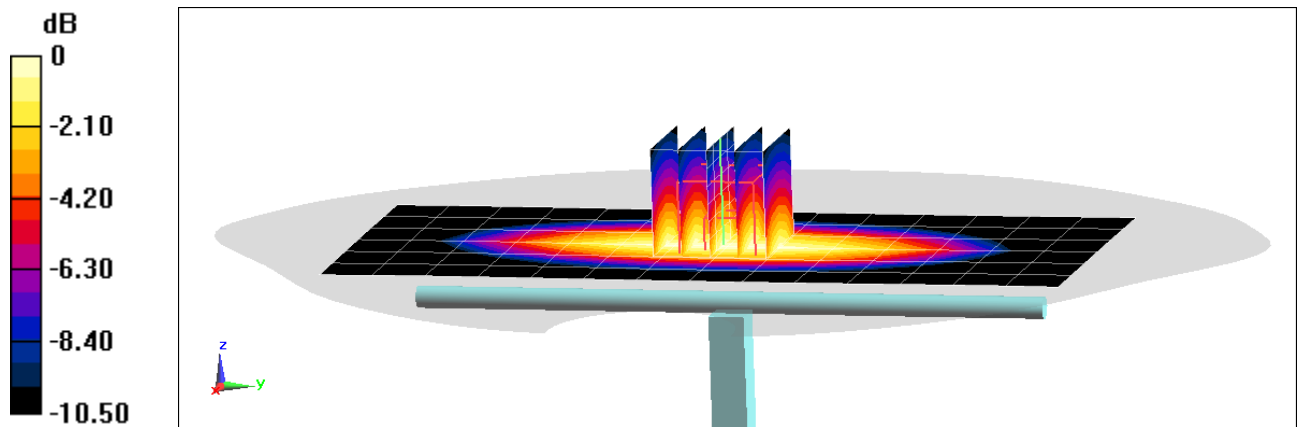
Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 2.48 W/kg

SAR(1 g) = 1.63 W/kg; SAR(10 g) = 1.07 W/kg

Deviation(1 g) = -4.90%



0 dB = 2.19 W/kg = 3.40 dBW/kg

PCTEST

DUT: Dipole 750 MHz; Type: D750V3; Serial: 1034

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: 750 MHz Body Medium parameters used (interpolated):

$f = 750 \text{ MHz}$; $\sigma = 0.951 \text{ S/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 01-09-2021; Ambient Temp: 21.9°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7427; ConvF(10.16, 10.16, 10.16) @ 750 MHz; Calibrated: 2/19/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1403; Calibrated: 2/13/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CD; Serial: 1736

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

750 MHz System Verification at 23.0 dBm (200 mW)

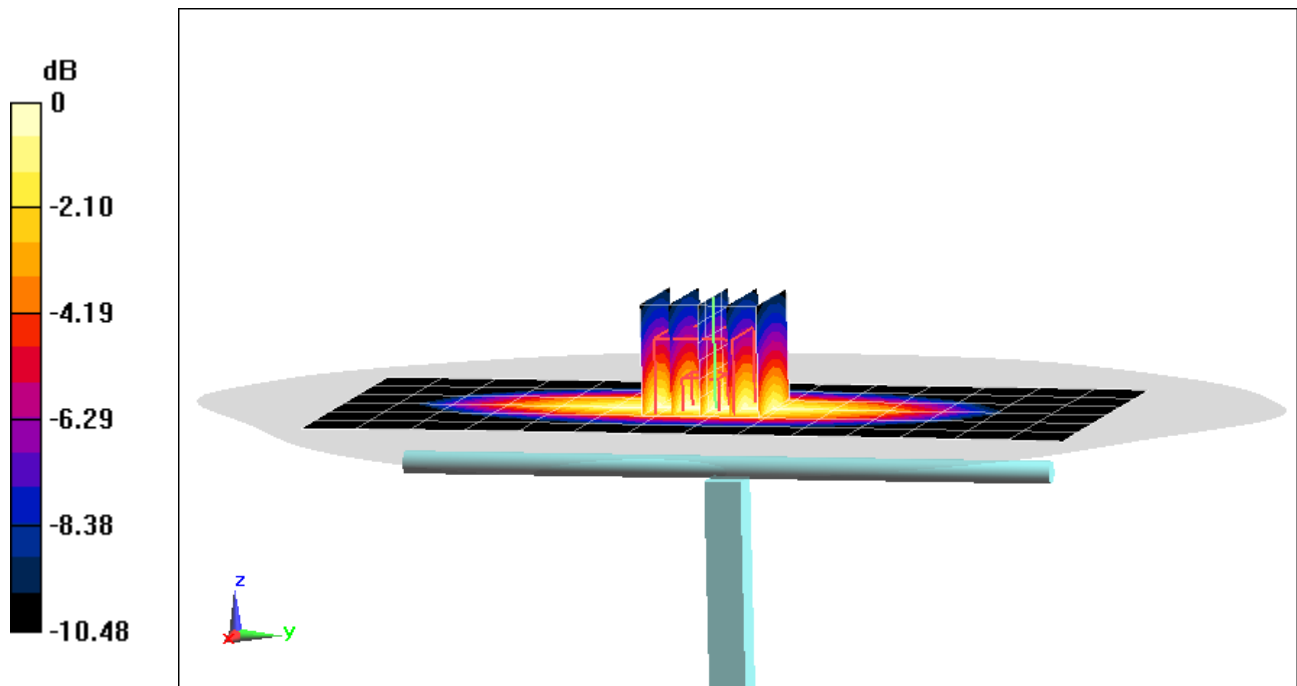
Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 2.66 W/kg

SAR(1 g) = 1.7 W/kg; SAR(10 g) = 1.12 W/kg

Deviation(1 g) = -0.82%



0 dB = 2.31 W/kg = 3.64 dBW/kg

PCTEST

DUT: Dipole 750 MHz; Type: D750V3; Serial: 1034

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: 750 MHz Body Medium parameters used (interpolated):

$f = 750 \text{ MHz}$; $\sigma = 0.967 \text{ S/m}$; $\epsilon_r = 53.932$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 01-22-2021; Ambient Temp: 22.5°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7558; ConvF(10.41, 10.41, 10.41) @ 750 MHz; Calibrated: 10/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1364; Calibrated: 10/12/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

750 MHz System Verification at 23.0 dBm (200 mW)

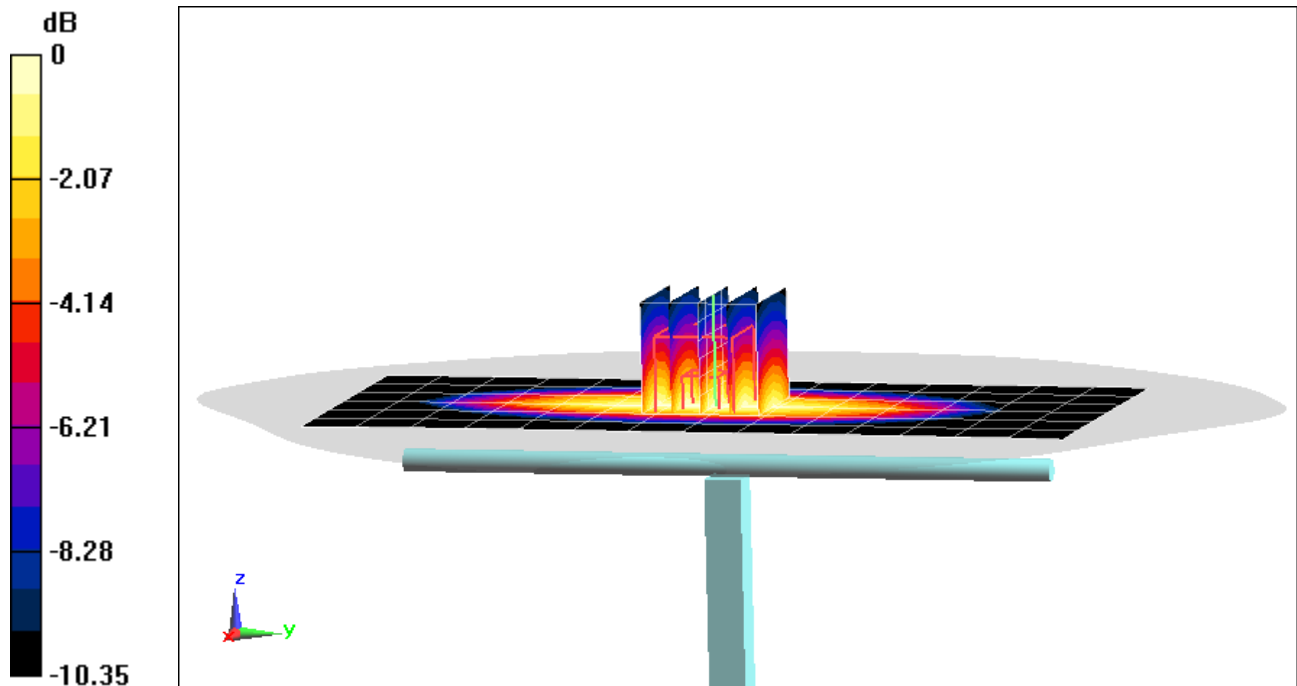
Area Scan (7x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 2.61 W/kg

SAR(1 g) = 1.74 W/kg; SAR(10 g) = 1.15 W/kg

Deviation(1 g) = 1.52%



0 dB = 2.31 W/kg = 3.64 dBW/kg

PCTEST

DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d040

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: 835 MHz Body Medium parameters used:

$f = 835 \text{ MHz}$; $\sigma = 0.976 \text{ S/m}$; $\epsilon_r = 53.392$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 12-28-2020; Ambient Temp: 24.0°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7546; ConvF(9.75, 9.75, 9.75) @ 835 MHz; Calibrated: 7/16/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 4/14/2020

Phantom: Twin-SAM V4.0 Main; Type: QD 000 P40 CC; Serial: 1114

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

835 MHz System Verification at 23.0 dBm (200 mW)

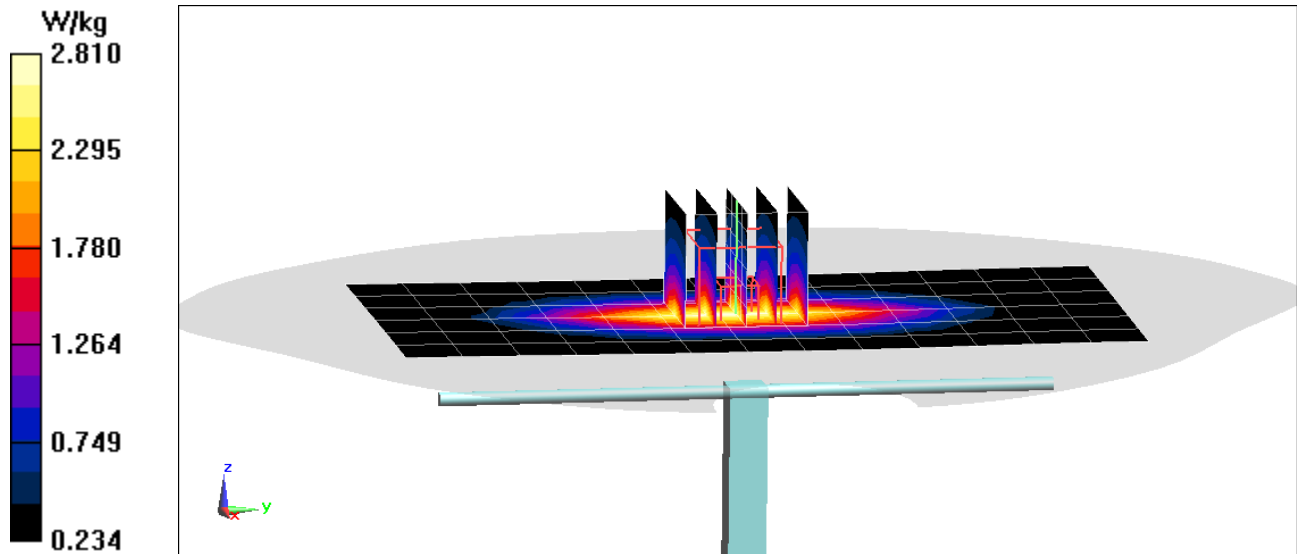
Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 3.25 W/kg

SAR(1 g) = 2.05 W/kg; SAR(10 g) = 1.34 W/kg

Deviation(1 g) = 7.56%



PCTEST

DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d040

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: 835 MHz Body Medium parameters used:

$f = 835 \text{ MHz}$; $\sigma = 0.994 \text{ S/m}$; $\epsilon_r = 52.755$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 12-30-2020; Ambient Temp: 21.7°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7546; ConvF(9.75, 9.75, 9.75) @ 835 MHz; Calibrated: 7/16/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 4/14/2020

Phantom: Twin-SAM V4.0 Main; Type: QD 000 P40 CC; Serial: 1114

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

835 MHz System Verification at 23.0 dBm (200 mW)

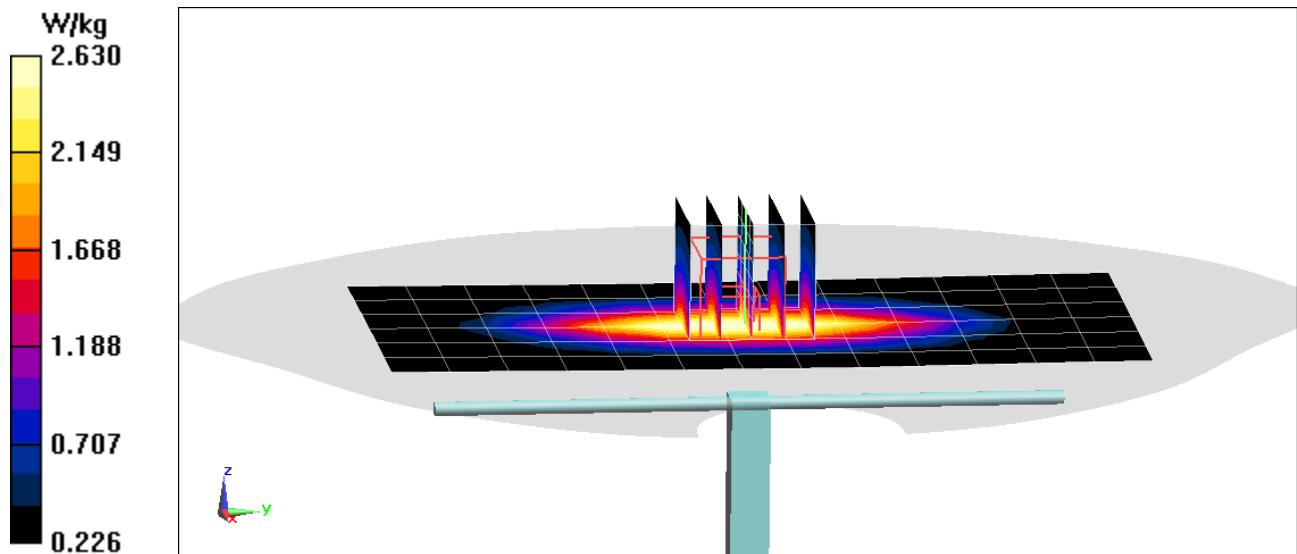
Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 3.00 W/kg

SAR(1 g) = 1.95 W/kg; SAR(10 g) = 1.27 W/kg

Deviation(1 g) = 2.31%



PCTEST

DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d040

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: 835 MHz Body Medium parameters used:

$f = 835 \text{ MHz}$; $\sigma = 0.997 \text{ S/m}$; $\epsilon_r = 53.365$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 03-03-2021; Ambient Temp: 23.1°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7420; ConvF(9.54, 9.54, 9.54) @ 835 MHz; Calibrated: 10/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1213; Calibrated: 10/12/2020

Phantom: Twin-SAM V4.0 Main; Type: QD 000 P40 CC; Serial: 1406

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

835 MHz System Verification at 23.0 dBm (200 mW)

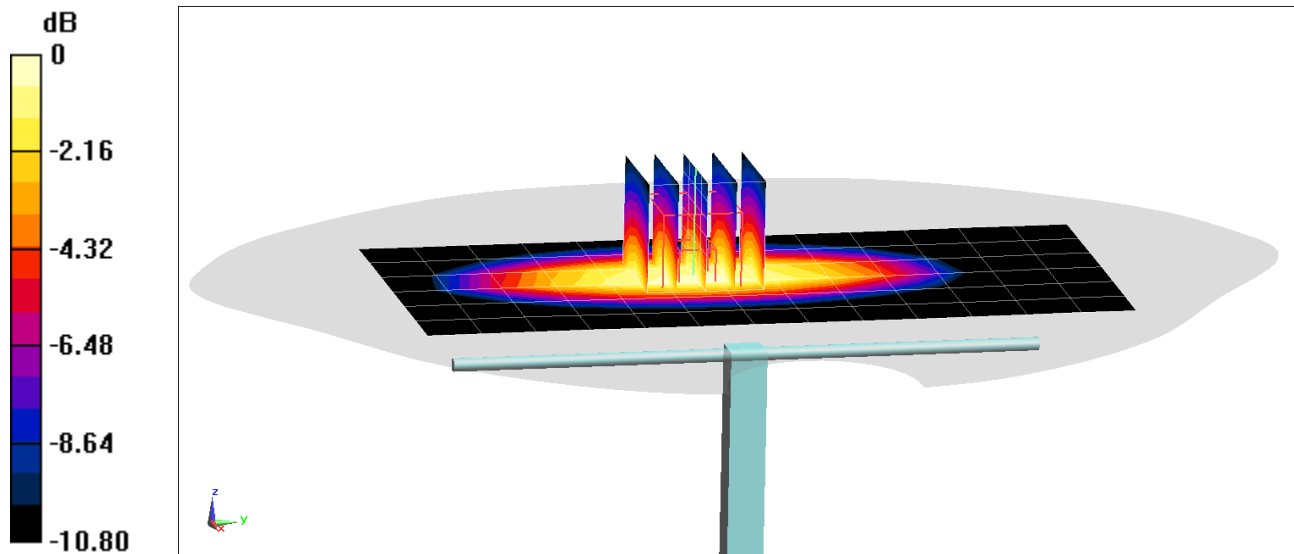
Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 3.07 W/kg

SAR(1 g) = 2.01 W/kg; SAR(10 g) = 1.31 W/kg

Deviation(1 g) = 5.46%



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

PCTEST

DUT: Dipole 850 MHz; Type: D850V2; Serial: 1010

Communication System: UID 0, CW; Frequency: 850 MHz; Duty Cycle: 1:1

Medium: 835 MHz Body Medium parameters used:

$f = 850 \text{ MHz}$; $\sigma = 1.009 \text{ S/m}$; $\epsilon_r = 54.497$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 01-20-2021; Ambient Temp: 22.2°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7421; ConvF(9.42, 9.42, 9.42) @ 850 MHz; Calibrated: 3/20/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn604; Calibrated: 3/19/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1179

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

850 MHz System Verification at 23.0 dBm (200 mW)

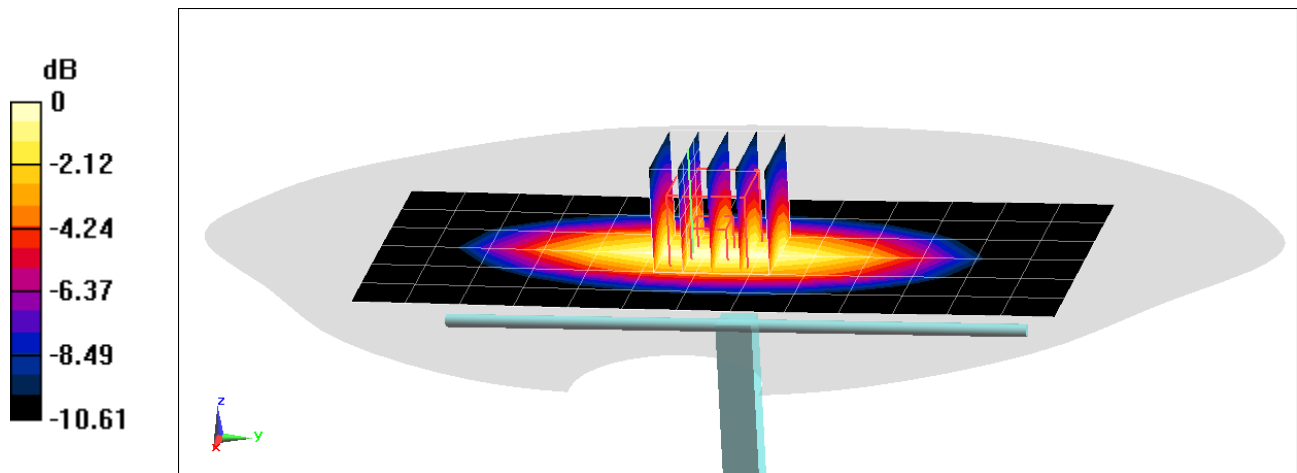
Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 3.22 W/kg

SAR(1 g) = 2.15 W/kg; SAR(10 g) = 1.41 W/kg

Deviation(1 g) = 7.82%



0 dB = 2.85 W/kg = 4.55 dBW/kg

PCTEST

DUT: Dipole 1750 MHz; Type: D1750V2; Serial: 1092

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: 1750 MHz Body Medium parameters used:

$f = 1750 \text{ MHz}$; $\sigma = 1.496 \text{ S/m}$; $\epsilon_r = 52.083$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 12-29-2020; Ambient Temp: 21.7°C; Tissue Temp: 19.7°C

Probe: EX3DV4 - SN7558; ConvF(8.27, 8.27, 8.27) @ 1750 MHz; Calibrated: 10/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1364; Calibrated: 10/12/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

1750 MHz System Verification at 20.0 dBm (100 mW)

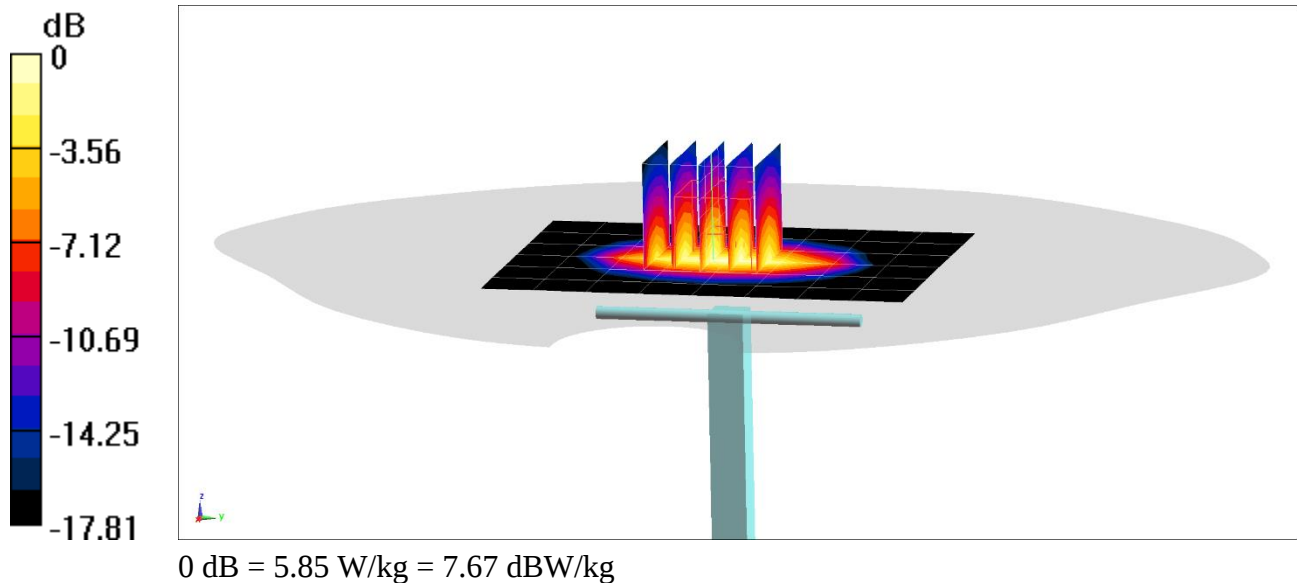
Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 7.01 W/kg

SAR(1 g) = 3.78 W/kg; SAR(10 g) = 2 W/kg

Deviation(1 g) = 3.85%



PCTEST

DUT: Dipole 1750 MHz; Type: D1750V2; Serial: 1092

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: 1750 MHz Body Medium parameters used:

$f = 1750 \text{ MHz}$; $\sigma = 1.495 \text{ S/m}$; $\epsilon_r = 51.618$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 12-31-2020; Ambient Temp: 21.3°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7558; ConvF(8.27, 8.27, 8.27) @ 1750 MHz; Calibrated: 10/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1364; Calibrated: 10/12/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

1750 MHz System Verification at 20.0 dBm (100 mW)

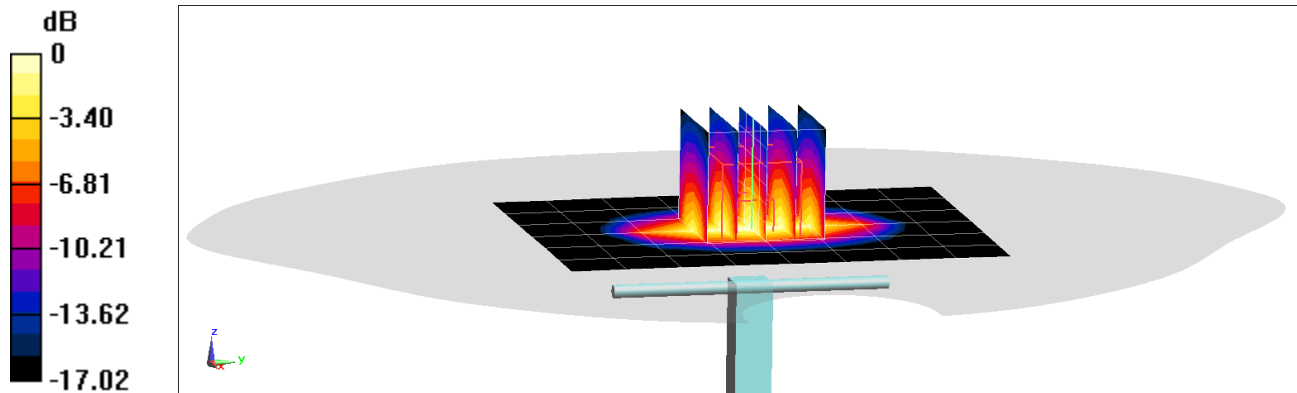
Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 6.69 W/kg

SAR(1 g) = 3.67 W/kg; SAR(10 g) = 1.94 W/kg

Deviation(1 g) = 0.82%



0 dB = 5.69 W/kg = 7.55 dBW/kg

PCTEST

DUT: Dipole 1750 MHz; Type: D1750V2; Serial: 1083

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: 1750 Body Medium parameters used:

$f = 1750 \text{ MHz}$; $\sigma = 1.537 \text{ S/m}$; $\epsilon_r = 51.621$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 02-24-2021; Ambient Temp: 22.7°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7421; ConvF(7.92, 7.92, 7.92) @ 1750 MHz; Calibrated: 3/20/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn604; Calibrated: 3/19/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1179

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

1750 MHz System Verification at 20.0 dBm (100 mW)

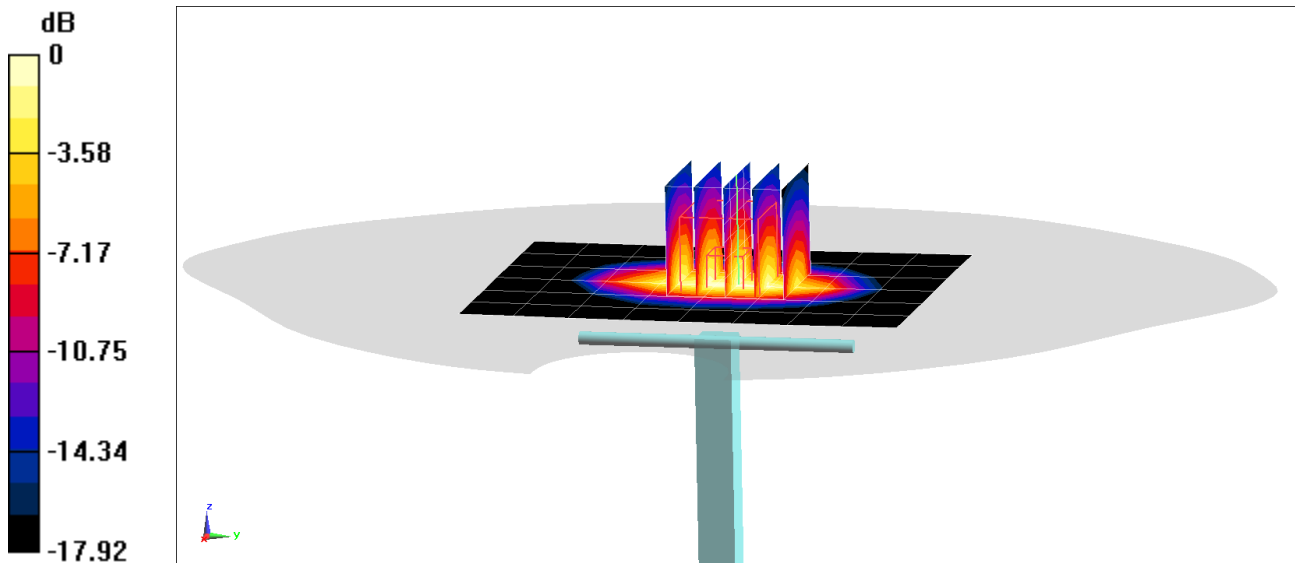
Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 7.05 W/kg

SAR(1 g) = 3.93 W/kg; SAR(10 g) = 2.06 W/kg

Deviation(1 g) = 5.93%



0 dB = 5.95 W/kg = 7.75 dBW/kg

PCTEST

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d026

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: 1900 MHz Body Medium parameters used (interpolated):

$f = 1900 \text{ MHz}$; $\sigma = 1.507 \text{ S/m}$; $\epsilon_r = 52.004$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01-02-2021; Ambient Temp: 22.7°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7420; ConvF(7.76, 7.76, 7.76) @ 1900 MHz; Calibrated: 10/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1213; Calibrated: 10/12/2020

Phantom: Twin-SAM V4.0 Sub; Type: QD 000 P40 CC; Serial: 1403

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

1900 MHz System Verification at 20.0 dBm (100 mW)

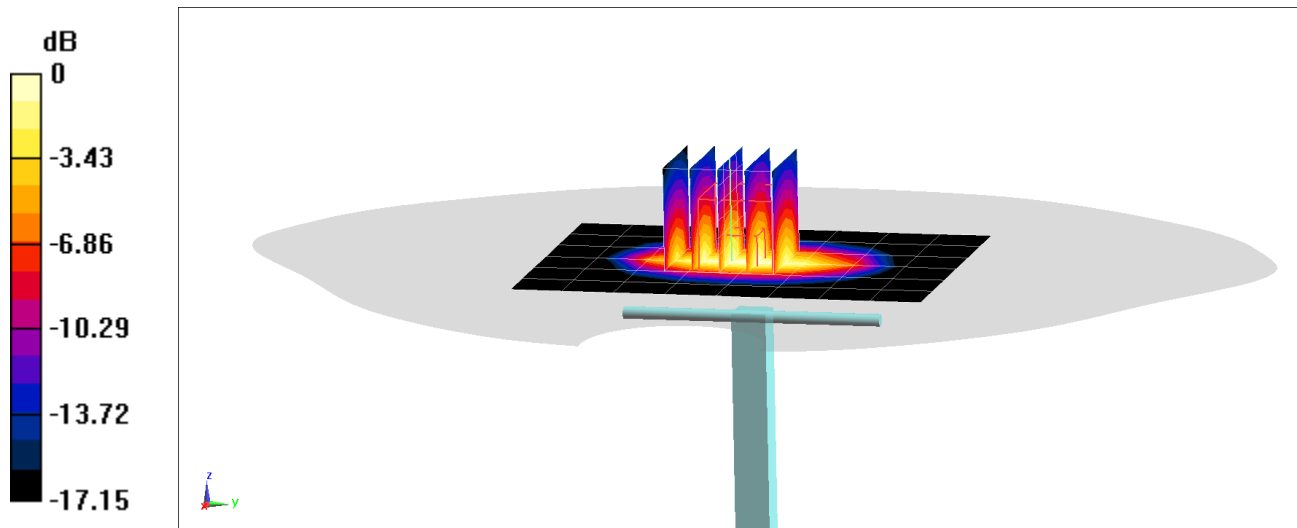
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 6.72 W/kg

SAR(1 g) = 3.94 W/kg; SAR(10 g) = 2.08 W/kg

Deviation(1 g) = -1.25%



PCTEST

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d181

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: 1900 MHz Body Medium parameters used (interpolated):

$f = 1900 \text{ MHz}$; $\sigma = 1.509 \text{ S/m}$; $\epsilon_r = 53.206$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01-04-2021; Ambient Temp: 23.5°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7420; ConvF(7.76, 7.76, 7.76) @ 1900 MHz; Calibrated: 10/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1213; Calibrated: 10/12/2020

Phantom: Twin-SAM V4.0 Sub; Type: QD 000 P40 CC; Serial: 1403

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

1900 MHz System Verification at 20.0 dBm (100 mW)

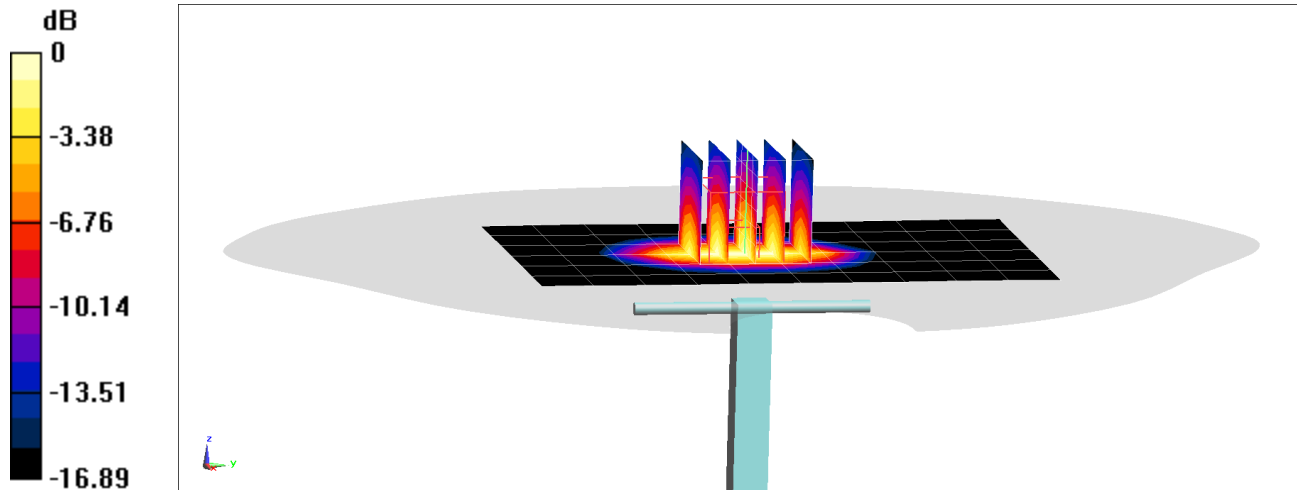
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 6.33 W/kg

SAR(1 g) = 3.78 W/kg; SAR(10 g) = 2.03 W/kg

Deviation(1 g) = -4.79%



0 dB = 5.48 W/kg = 7.39 dBW/kg

PCTEST

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d181

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: 1900 MHz Body Medium parameters used (interpolated):

$f = 1900 \text{ MHz}$; $\sigma = 1.522 \text{ S/m}$; $\epsilon_r = 50.795$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01-06-2021; Ambient Temp: 21.8°C; Tissue Temp: 18.7°C

Probe: EX3DV4 - SN7420; ConvF(7.76, 7.76, 7.76) @ 1900 MHz; Calibrated: 10/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1213; Calibrated: 10/12/2020

Phantom: Twin-SAM V4.0 Sub; Type: QD 000 P40 CC; Serial: 1403

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

1900 MHz System Verification at 20.0 dBm (100 mW)

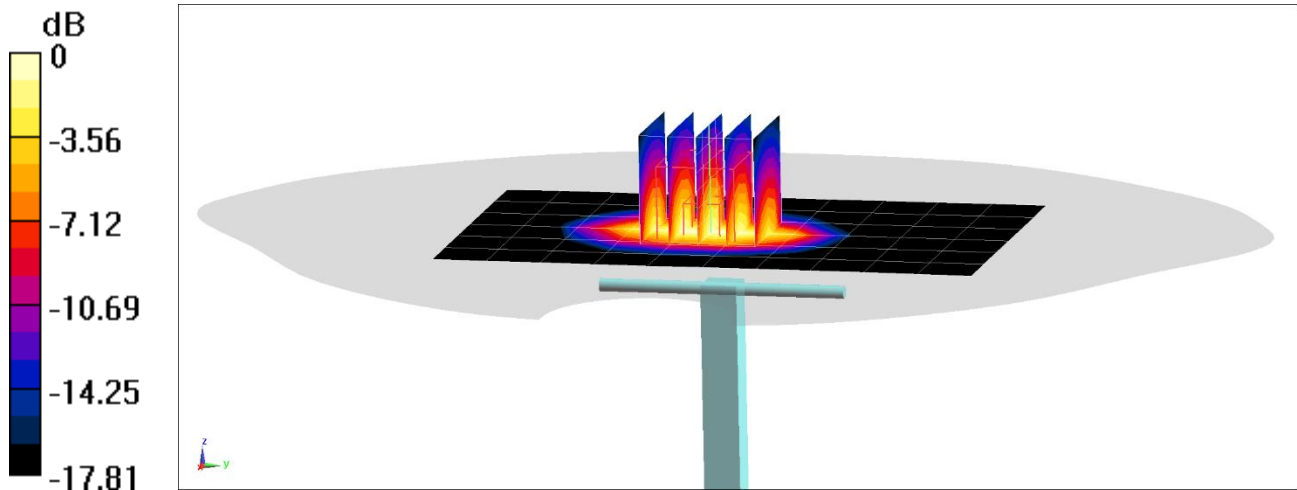
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 6.82 W/kg

SAR(1 g) = 3.84 W/kg; SAR(10 g) = 1.99 W/kg

Deviation(1 g) = -3.27%



0 dB = 5.71 W/kg = 7.57 dBW/kg

PCTEST

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d030

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: 1900 MHz Body Medium parameters used (interpolated):

$f = 1900 \text{ MHz}$; $\sigma = 1.55 \text{ S/m}$; $\epsilon_r = 51.909$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01-24-2021; Ambient Temp: 21.5°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7420; ConvF(7.76, 7.76, 7.76) @ 1900 MHz; Calibrated: 10/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1213; Calibrated: 10/12/2020

Phantom: Twin-SAM V4.0 Sub; Type: QD 000 P40 CC; Serial: 1403

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

1900 MHz System Verification at 20.0 dBm (100 mW)

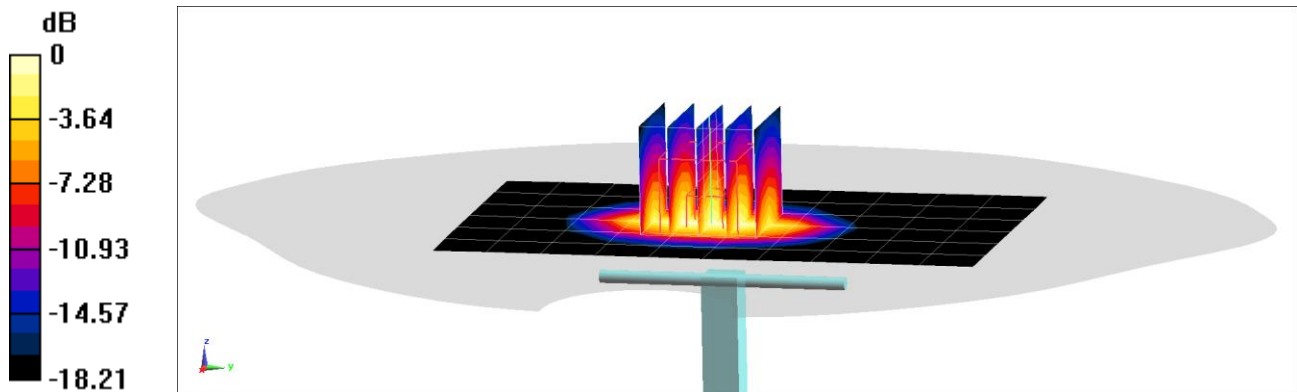
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 6.80 W/kg

SAR(1 g) = 3.85 W/kg; SAR(10 g) = 1.98 W/kg

Deviation(1 g) = -3.51%



PCTEST

DUT: Dipole 2300 MHz; Type: D2300V3; Serial: 1038

Communication System: UID 0, CW; Frequency: 2300 MHz; Duty Cycle: 1:1

Medium: 2300 MHz Body Medium parameters used:

$f = 2300 \text{ MHz}$; $\sigma = 1.891 \text{ S/m}$; $\epsilon_r = 50.596$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 02-09-2021; Ambient Temp: 22.1°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7558; ConvF(7.85, 7.85, 7.85) @ 2300 MHz; Calibrated: 10/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1364; Calibrated: 10/12/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

2300 MHz System Verification at 20.0 dBm (100 mW)

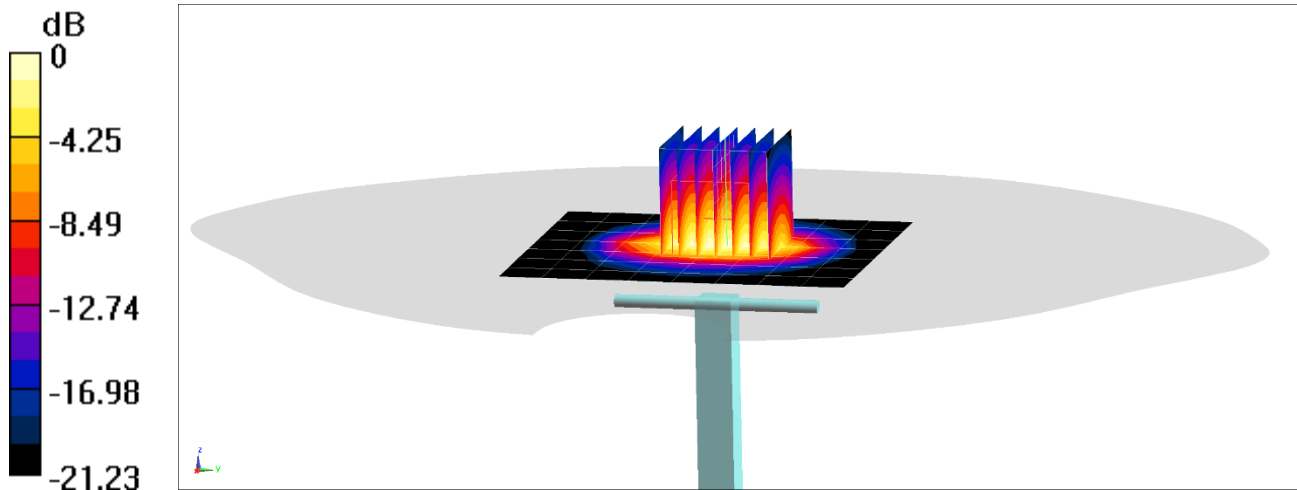
Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm

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

Peak SAR (extrapolated) = 9.18 W/kg

SAR(1 g) = 4.6 W/kg; SAR(10 g) = 2.19 W/kg

Deviation(1 g) = -1.50%



0 dB = 7.46 W/kg = 8.73 dBW/kg

PCTEST

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 945

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: 2450 MHz Body Medium parameters used:

$f = 2450 \text{ MHz}$; $\sigma = 2.014 \text{ S/m}$; $\epsilon_r = 50.672$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01-11-2021; Ambient Temp: 22.3°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7546; ConvF(7.32, 7.32, 7.32) @ 2450 MHz; Calibrated: 7/16/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 4/14/2020

Phantom: Twin-SAM V4.0 Main; Type: QD 000 P40 CC; Serial: 1114

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

2450 MHz System Verification at 20.0 dBm (100 mW)

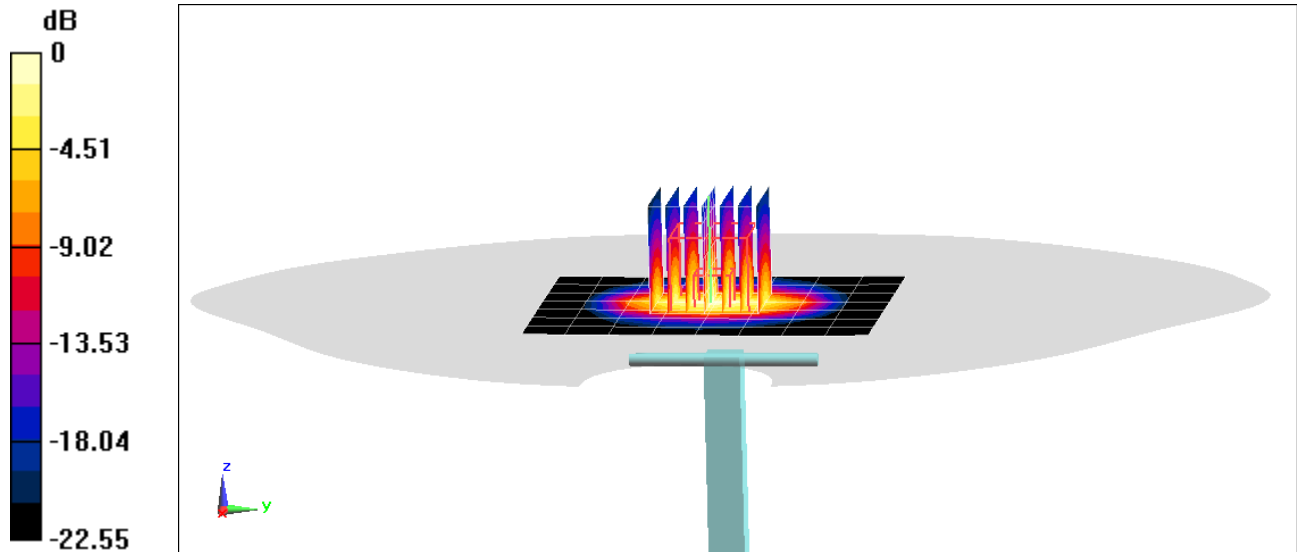
Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm

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

Peak SAR (extrapolated) = 11.1 W/kg

SAR(1 g) = 5.28 W/kg; SAR(10 g) = 2.42 W/kg

Deviation(1 g) = 6.88%



0 dB = 8.95 W/kg = 9.52 dBW/kg

PCTEST

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 945

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: 2450 MHz Body Medium parameters used:

$f = 2450 \text{ MHz}$; $\sigma = 2.019 \text{ S/m}$; $\epsilon_r = 50.501$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01-13-2021; Ambient Temp: 24.2°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7546; ConvF(7.32, 7.32, 7.32) @ 2450 MHz; Calibrated: 7/16/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 4/14/2020

Phantom: Twin-SAM V4.0 Main; Type: QD 000 P40 CC; Serial: 1114

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

2450 MHz System Verification at 20.0 dBm (100 mW)

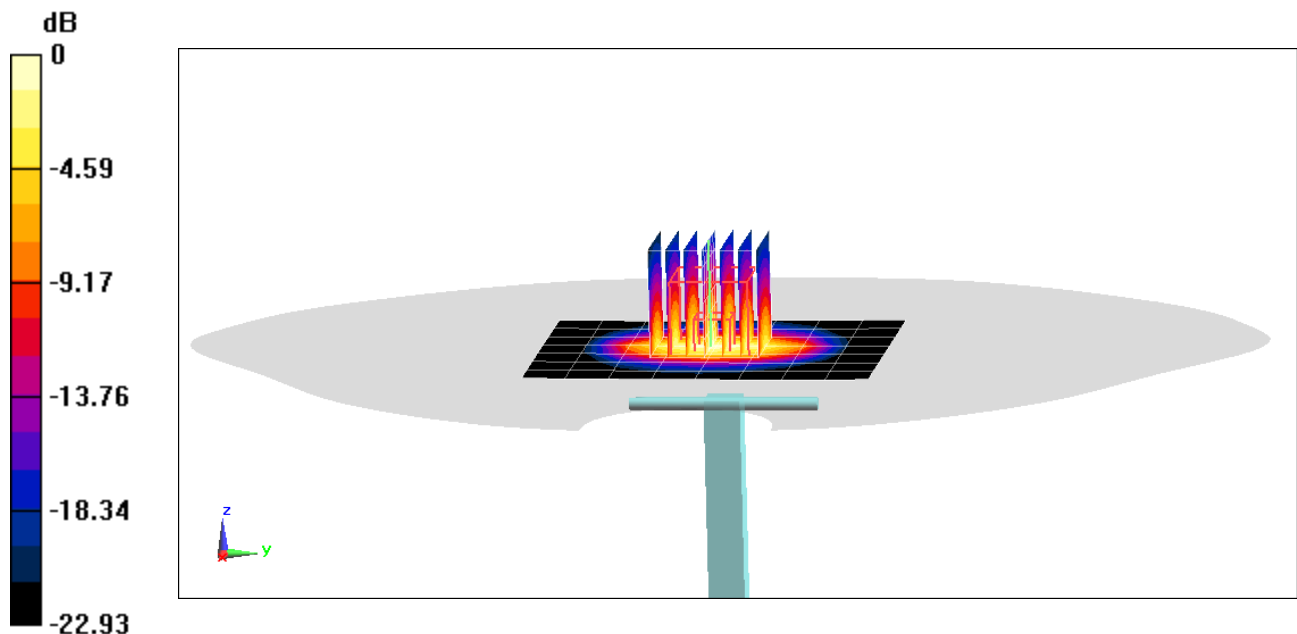
Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm

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

Peak SAR (extrapolated) = 11.0 W/kg

SAR(1 g) = 5.24 W/kg; SAR(10 g) = 2.42 W/kg

Deviation(1 g) = 6.07%



0 dB = 8.76 W/kg = 9.43 dBW/kg

PCTEST

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 921

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: 2450 MHz Body Medium parameters used:

$f = 2450 \text{ MHz}$; $\sigma = 2.044 \text{ S/m}$; $\epsilon_r = 51.165$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01-15-2021; Ambient Temp: 23.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7427; ConvF(7.26, 7.26, 7.26) @ 2450 MHz; Calibrated: 2/19/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1403; Calibrated: 2/13/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CD; Serial: 1736

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

2450 MHz System Verification at 20.0 dBm (100 mW)

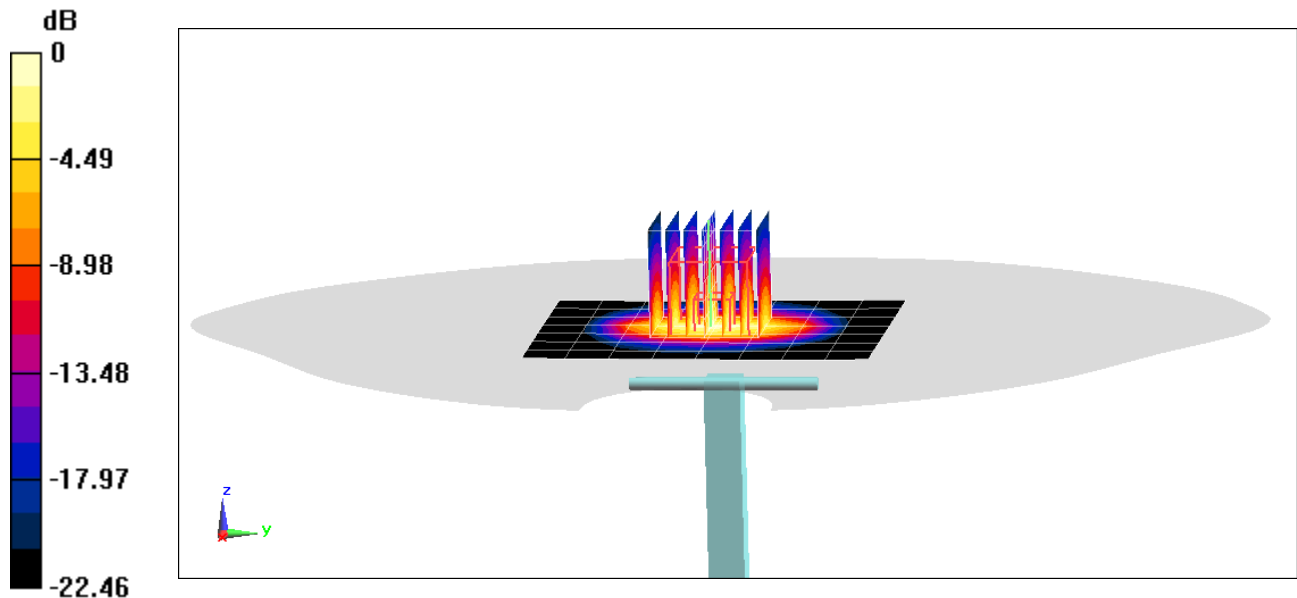
Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm

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

Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 5.48 W/kg; SAR(10 g) = 2.52 W/kg

Deviation(1 g) = 7.87%



0 dB = 9.12 W/kg = 9.60 dBW/kg

PCTEST

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 921

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: 2450 MHz Body Medium parameters used:

$f = 2450 \text{ MHz}$; $\sigma = 2.022 \text{ S/m}$; $\epsilon_r = 52.51$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01-21-2021; Ambient Temp: 22.8°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7427; ConvF(7.26, 7.26, 7.26) @ 2450 MHz; Calibrated: 2/19/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1403; Calibrated: 2/13/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CD; Serial: 1736

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

2450 MHz System Verification at 20.0 dBm (100 mW)

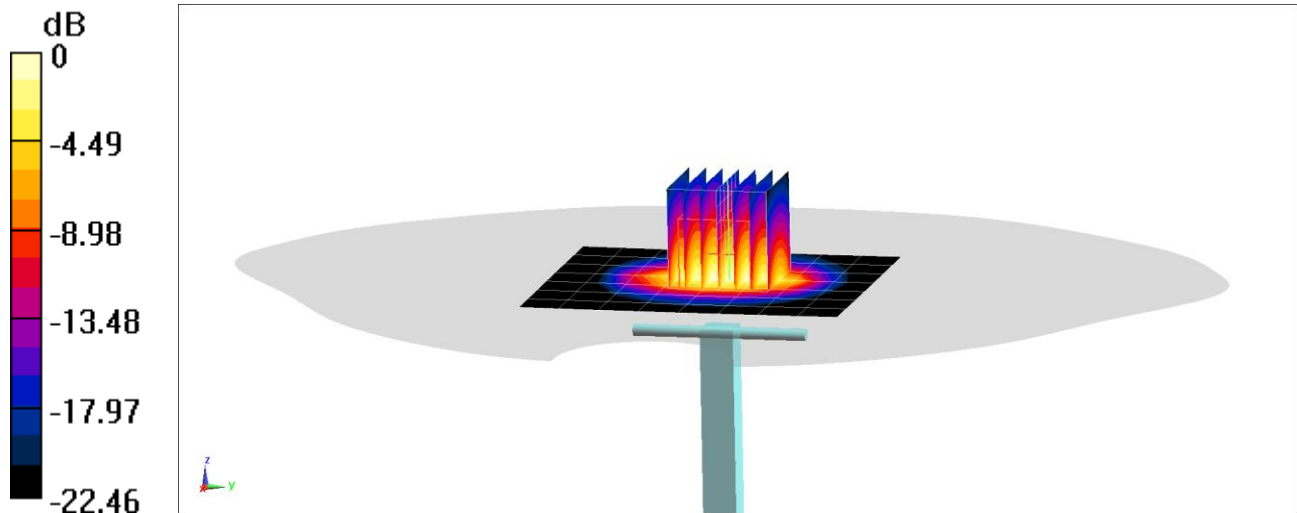
Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm

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

Peak SAR (extrapolated) = 11.1 W/kg

SAR(1 g) = 5.4 W/kg; SAR(10 g) = 2.48 W/kg

Deviation(1 g) = 6.30%



0 dB = 9.12 W/kg = 9.60 dBW/kg

PCTEST

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 921

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: 2450 MHz Body Medium parameters used

$f = 2450 \text{ MHz}$; $\sigma = 2.017 \text{ S/m}$; $\epsilon_r = 50.383$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 02-09-2021; Ambient Temp: 22.1°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7558; ConvF(7.64, 7.64, 7.64) @ 2450 MHz; Calibrated: 10/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1364; Calibrated: 10/12/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

2450 MHz System Verification at 20.0 dBm (100 mW)

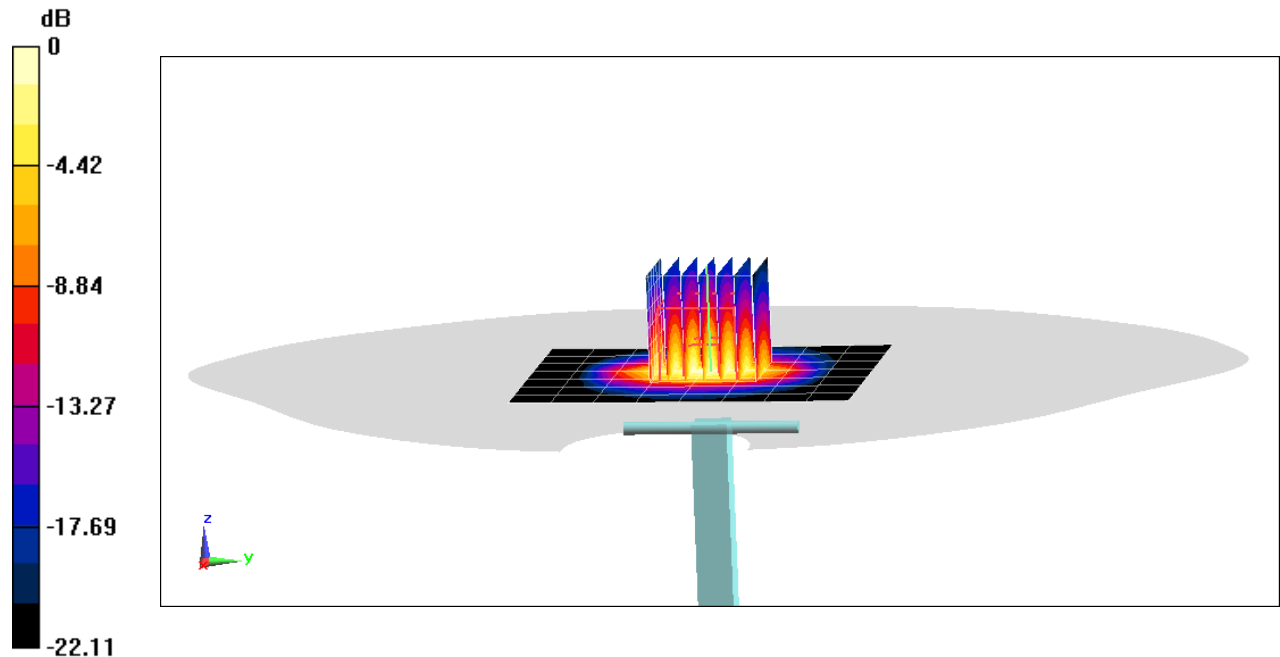
Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm

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

Peak SAR (extrapolated) = 10.8 W/kg

SAR(1 g) = 5.26 W/kg; SAR(10 g) = 2.43 W/kg

Deviation(1 g) = 3.54%



0 dB = 8.75 W/kg = 9.42 dBW/kg

PCTEST

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: 1009

Communication System: UID 0, CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: 2450 MHz Body Medium parameters used:

$f = 2600 \text{ MHz}$; $\sigma = 2.148 \text{ S/m}$; $\epsilon_r = 50.427$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01-11-2021; Ambient Temp: 22.3°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7546; ConvF(7.17, 7.17, 7.17) @ 2600 MHz; Calibrated: 7/16/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 4/14/2020

Phantom: Twin-SAM V4.0 Main; Type: QD 000 P40 CC; Serial: 1114

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

2600 MHz System Verification at 20.0 dBm (100 mW)

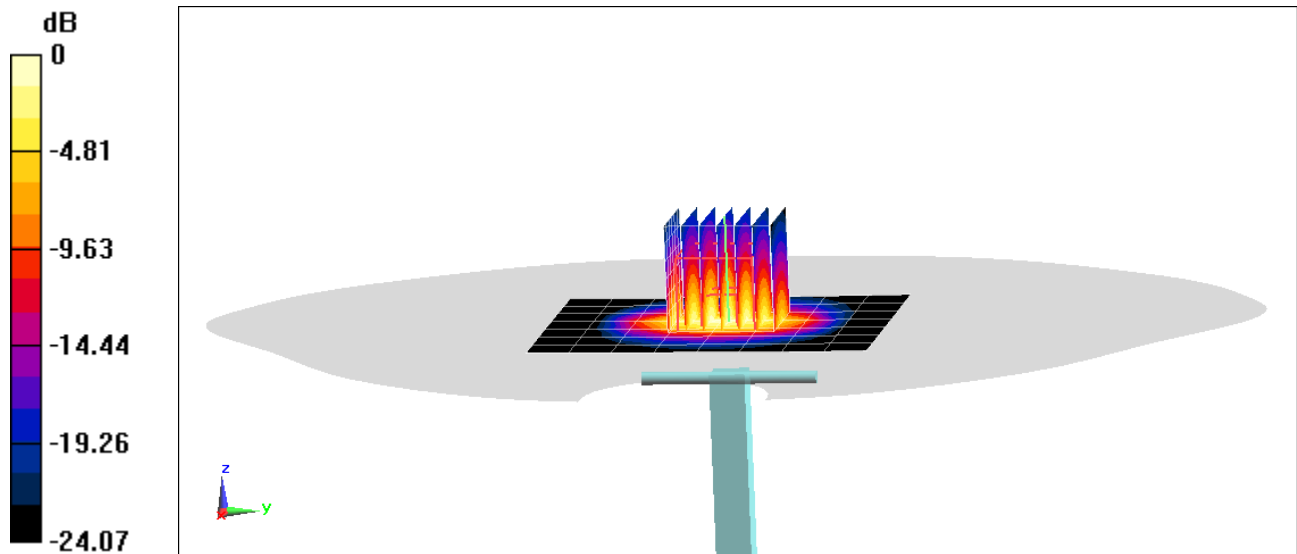
Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm

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

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.72 W/kg; SAR(10 g) = 2.51 W/kg

Deviation(1 g) = 3.06%



0 dB = 9.97 W/kg = 9.99 dBW/kg

PCTEST

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: 1009

Communication System: UID 0, CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: 2450 MHz Body Medium parameters used:

$f = 2600$ MHz; $\sigma = 2.156$ S/m; $\epsilon_r = 50.289$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01-13-2021; Ambient Temp: 24.2°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7546; ConvF(7.17, 7.17, 7.17) @ 2600 MHz; Calibrated: 7/16/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 4/14/2020

Phantom: Twin-SAM V4.0 Main; Type: QD 000 P40 CC; Serial: 1114

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

2600 MHz System Verification at 20.0 dBm (100 mW)

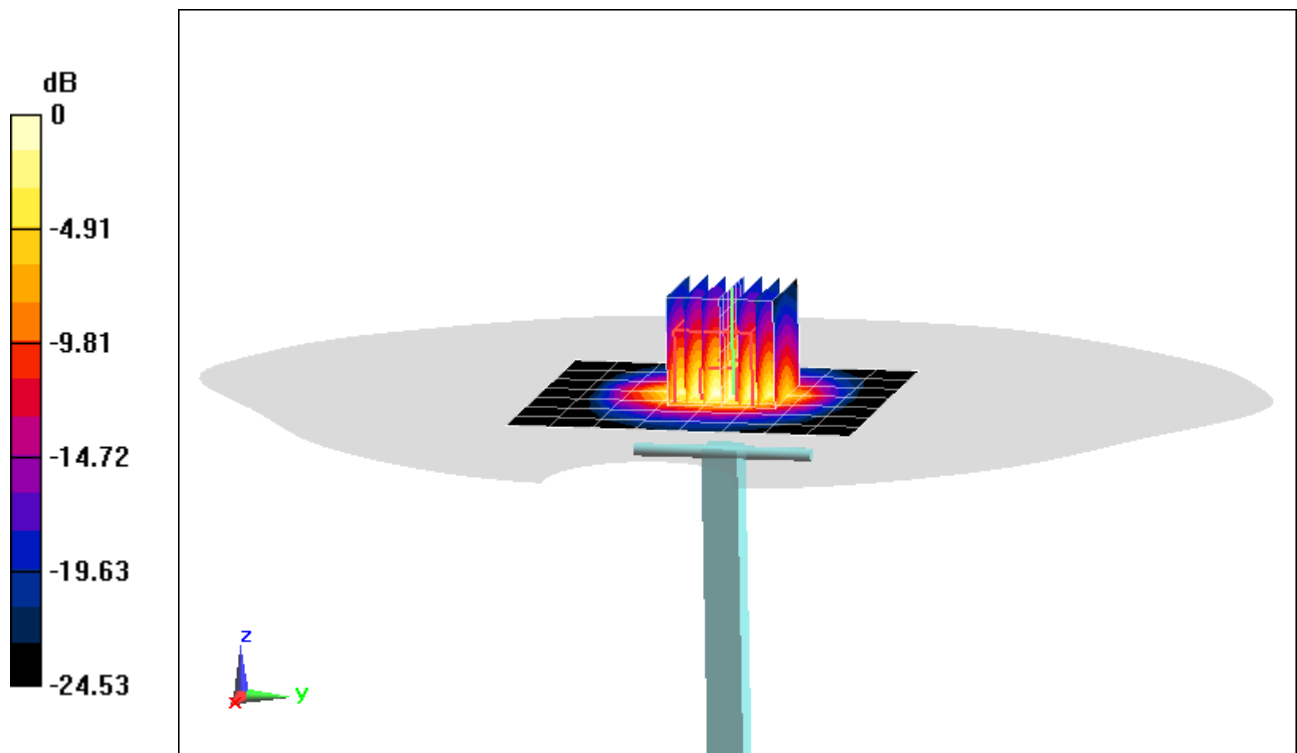
Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm

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

Peak SAR (extrapolated) = 12.2 W/kg

SAR(1 g) = 5.66 W/kg; SAR(10 g) = 2.49 W/kg

Deviation(1 g) = 1.98%



0 dB = 9.68 W/kg = 9.86 dBW/kg

PCTEST

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: 1069

Communication System: UID 0, CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: 2450 MHz Body Medium parameters used

$f = 2600$ MHz; $\sigma = 2.151$ S/m; $\epsilon_r = 50.184$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 02-09-2021; Ambient Temp: 22.1°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7558; ConvF(7.46, 7.46, 7.46) @ 2600 MHz; Calibrated: 10/21/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1364; Calibrated: 10/12/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

2600 MHz System Verification at 20.0 dBm (100 mW)

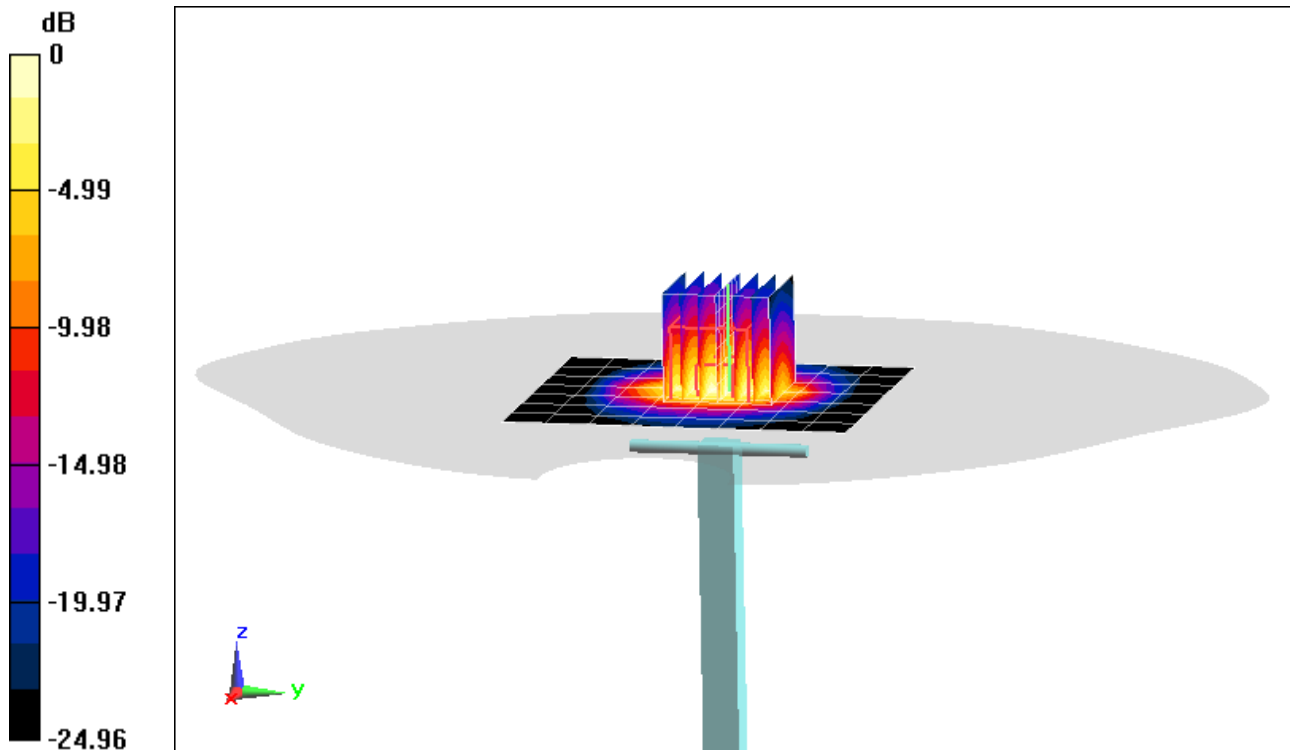
Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm

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

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.64 W/kg; SAR(10 g) = 2.45 W/kg

Deviation(1 g) = 3.68%



0 dB = 9.58 W/kg = 9.81 dBW/kg

PCTEST

DUT: Dipole 3500 MHz; Type: D3500V2; Serial: 1055

Communication System: UID 0, CW; Frequency: 3500 MHz; Duty Cycle: 1:1

Medium: 3500-3700 MHz Body Medium parameters used:

$f = 3500$ MHz; $\sigma = 3.359$ S/m; $\epsilon_r = 49.159$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01-06-2021; Ambient Temp: 24.5°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7421; ConvF(6.72, 6.72, 6.72) @ 3500 MHz; Calibrated: 3/20/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn604; Calibrated: 3/19/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1179

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

3500 MHz System Verification at 20.0 dBm (100 mW)

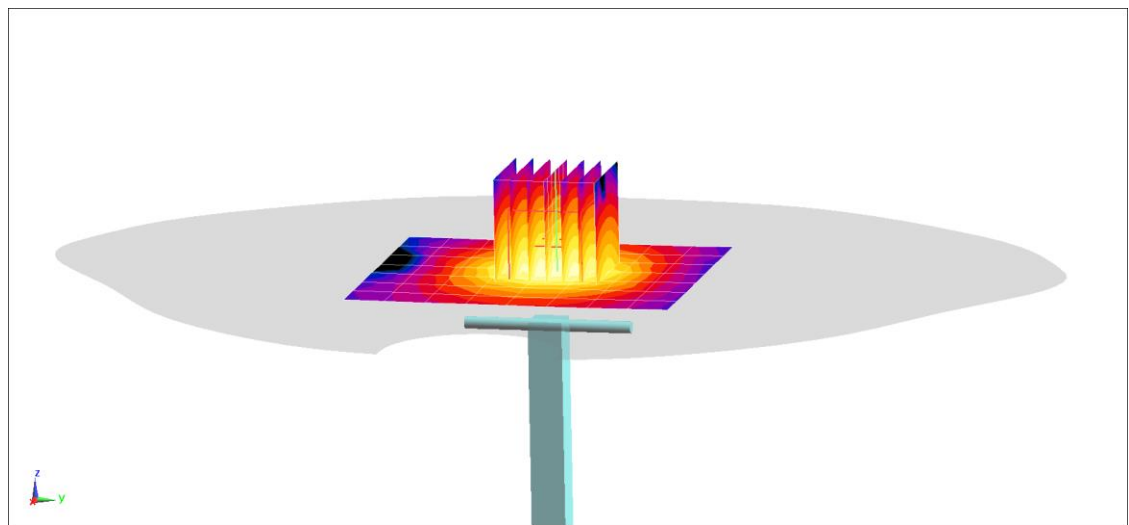
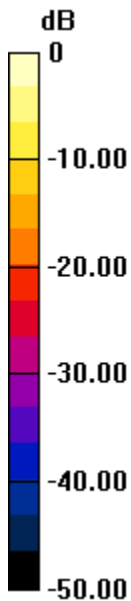
Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.4mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 16.7 W/kg

SAR(1 g) = 6.51 W/kg; SAR(10 g) = 2.39 W/kg

Deviation(1 g) = 0.15%



0 dB = 12.8 W/kg = 11.07 dBW/kg

PCTEST

DUT: Dipole 3700 MHz; Type: D3700V2; Serial: 1002

Communication System: UID 0, CW; Frequency: 3700 MHz; Duty Cycle: 1:1

Medium: 3500-3700 MHz Body Medium parameters used (interpolated):

$f = 3700 \text{ MHz}$; $\sigma = 3.56 \text{ S/m}$; $\epsilon_r = 48.89$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01-06-2021; Ambient Temp: 24.5°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7421; ConvF(6.57, 6.57, 6.57) @ 3700 MHz; Calibrated: 3/20/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn604; Calibrated: 3/19/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1179

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

3700 MHz System Verification at 20.0 dBm (100 mW)

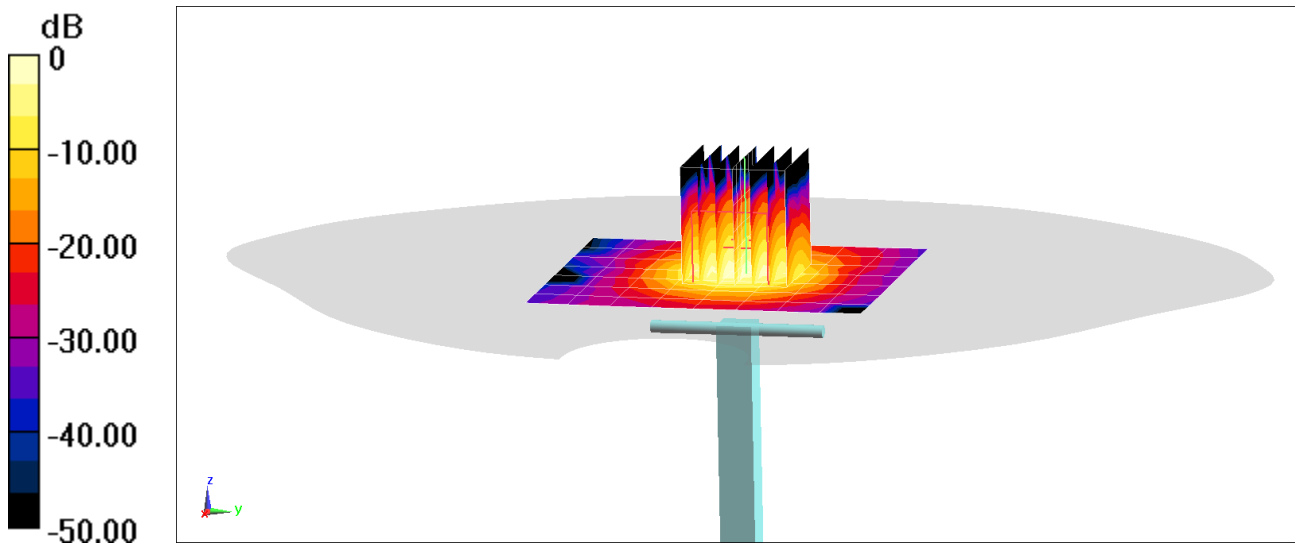
Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (7x7x8)Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.4mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 15.9 W/kg

SAR(1 g) = 6.14 W/kg; SAR(10 g) = 2.19 W/kg

Deviation(1 g) = -5.10%



0 dB = 12.0 W/kg = 10.79 dBW/kg

PCTEST

DUT: Dipole 3700 MHz; Type: D3700V2; Serial: 1002

Communication System: UID 0, CW; Frequency: 3700 MHz; Duty Cycle: 1:1

Medium: 3500-3900 MHz Body Medium parameters used:

$f = 3700$ MHz; $\sigma = 3.471$ S/m; $\epsilon_r = 50.241$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 02-08-2021; Ambient Temp: 22.6°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN3837; ConvF(6.15, 6.15, 6.15) @ 3700 MHz; Calibrated: 1/18/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn793; Calibrated: 1/13/2021

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CD; Serial: 1736

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

3700 MHz System Verification at 20.0 dBm (100 mW)

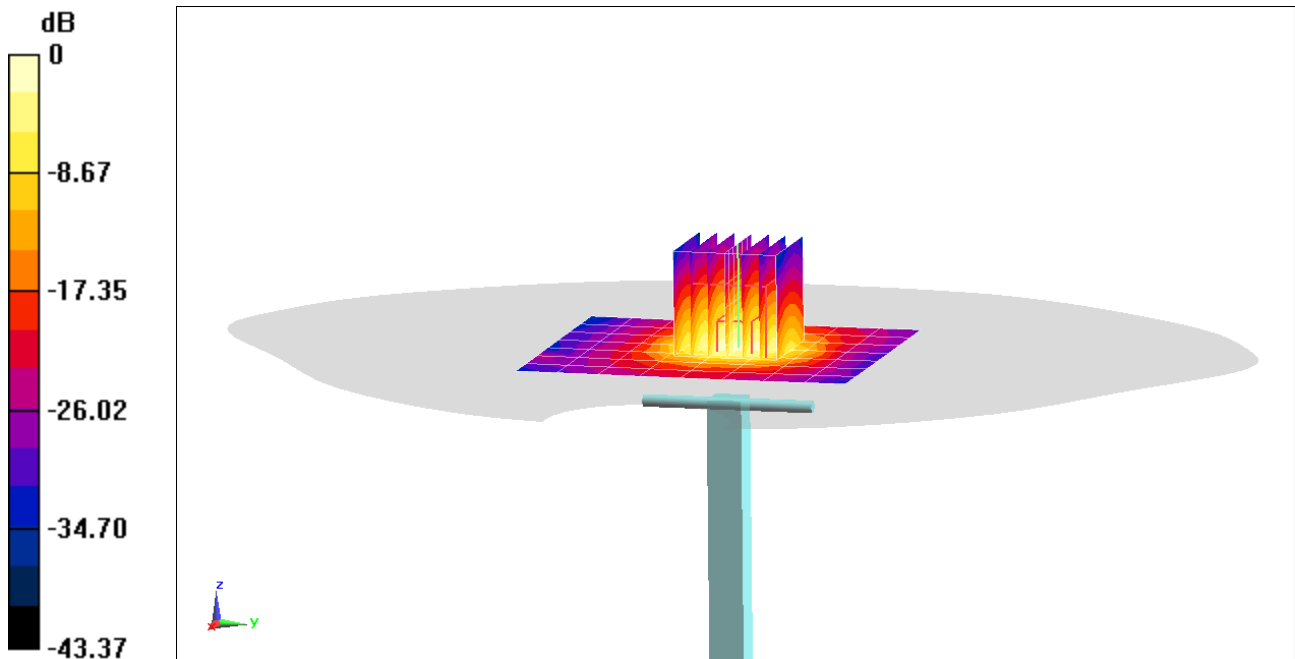
Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.4mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 18.0 W/kg

SAR(1 g) = 6.72 W/kg; SAR(10 g) = 2.42 W/kg

Deviation(1 g) = 3.86%



PCTEST

DUT: Dipole 3900 MHz; Type: D3900V2; Serial: 1062

Communication System: UID 0, CW; Frequency: 3900 MHz; Duty Cycle: 1:1

Medium: 3500-3900 MHz Body Medium parameters used:

$f = 3900$ MHz; $\sigma = 3.723$ S/m; $\epsilon_r = 49.893$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 02-08-2021; Ambient Temp: 22.6°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN3837; ConvF(5.97, 5.97, 5.97) @ 3900 MHz; Calibrated: 1/18/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn793; Calibrated: 1/13/2021

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CD; Serial: 1736

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

3900 MHz System Verification at 20.0 dBm (100 mW)

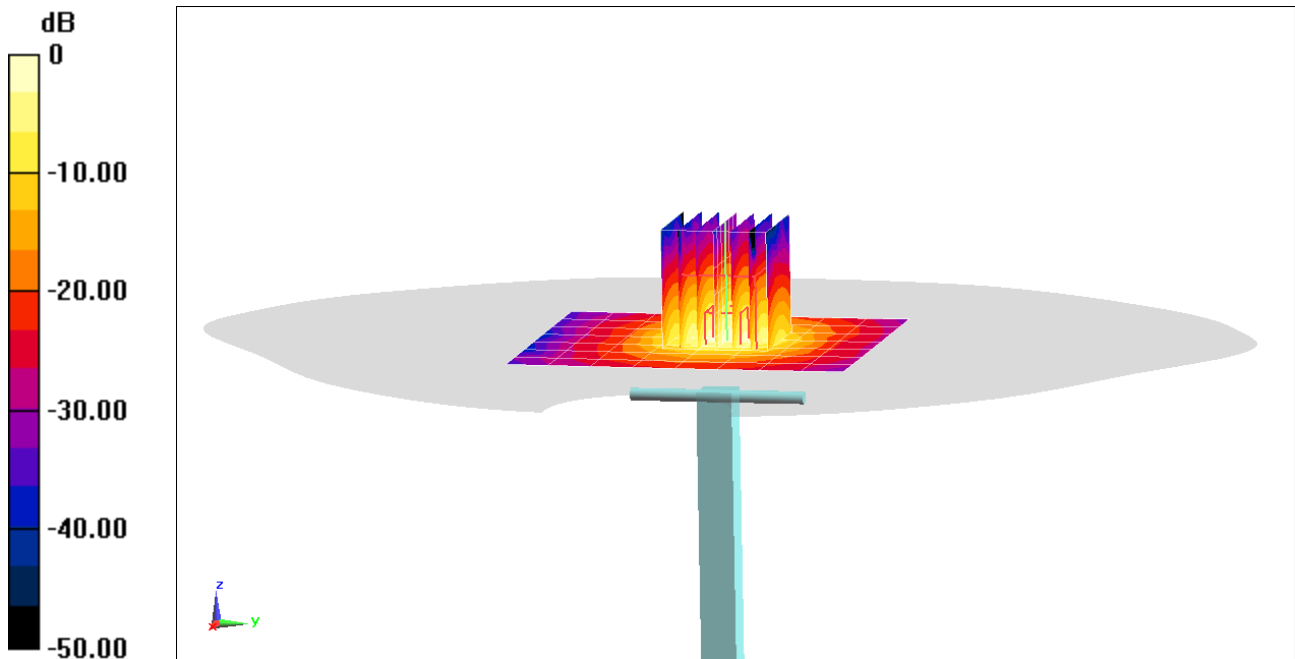
Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.4mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 18.3 W/kg

SAR(1 g) = 6.65 W/kg; SAR(10 g) = 2.3 W/kg

Deviation(1 g) = 0.30%



0 dB = 13.6 W/kg = 11.34 dBW/kg

PCTEST

DUT: Dipole 5 GHz; Type: D5GHzV2; Serial: 1163

Communication System: UID 0, CW; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: 5 GHz Body Medium parameters used (interpolated):

$f = 5250 \text{ MHz}$; $\sigma = 5.531 \text{ S/m}$; $\epsilon_r = 47.753$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01-21-2021; Ambient Temp: 23.1°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7416; ConvF(4.61, 4.61, 4.61) @ 5250 MHz; Calibrated: 6/22/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn701; Calibrated: 6/11/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CA; Serial: 1275

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

5250 MHz System Verification at 17.0 dBm (50 mW)

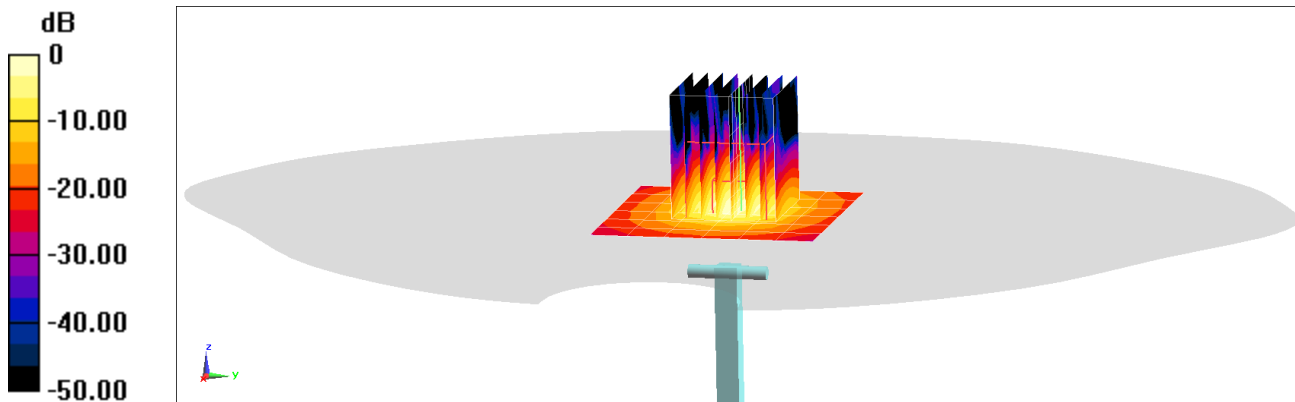
Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 14.8 W/kg

SAR(1 g) = 3.62 W/kg; SAR(10 g) = 1 W/kg

Deviation(1 g) = -6.82%



PCTEST

DUT: Dipole 5 GHz; Type: D5GHzV2; Serial: 1163

Communication System: UID 0, CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: 5 GHz Body Medium parameters used:

$f = 5600 \text{ MHz}$; $\sigma = 6.003 \text{ S/m}$; $\epsilon_r = 47.124$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01-21-2021; Ambient Temp: 23.1°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7416; ConvF(4.09, 4.09, 4.09) @ 5600 MHz; Calibrated: 6/22/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn701; Calibrated: 6/11/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CA; Serial: 1275

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

5600 MHz System Verification at 17.0 dBm (50 mW)

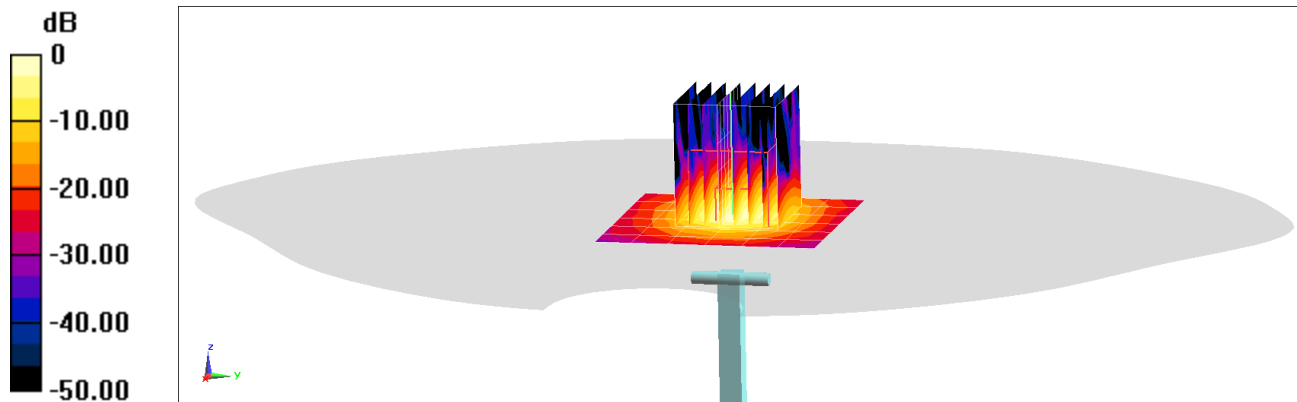
Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 17.5 W/kg

SAR(1 g) = 3.88 W/kg; SAR(10 g) = 1.07 W/kg

Deviation(1 g) = -3.12%



0 dB = 9.64 W/kg = 9.84 dBW/kg

PCTEST

DUT: Dipole 5 GHz; Type: D5GHzV2; Serial: 1163

Communication System: UID 0, CW; Frequency: 5750 MHz; Duty Cycle: 1:1

Medium: 5 GHz Body Medium parameters used (interpolated):

$f = 5750 \text{ MHz}$; $\sigma = 6.218 \text{ S/m}$; $\epsilon_r = 46.866$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01-21-2021; Ambient Temp: 23.1°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7416; ConvF(4.14, 4.14, 4.14) @ 5750 MHz; Calibrated: 6/22/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn701; Calibrated: 6/11/2020

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CA; Serial: 1275

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

5750 MHz System Verification at 17.0 dBm (50 mW)

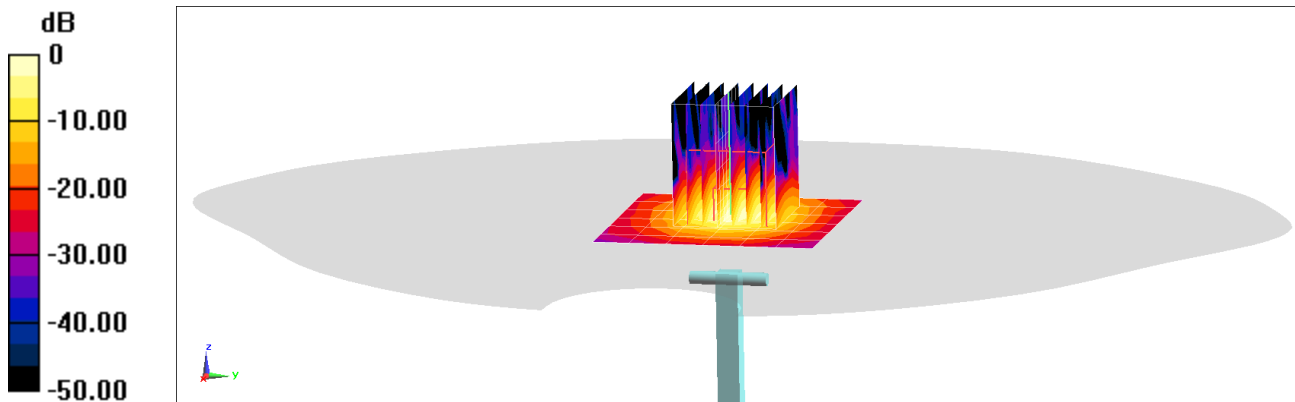
Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 17.5 W/kg

SAR(1 g) = 3.74 W/kg; SAR(10 g) = 1.02 W/kg

Deviation(1 g) = -3.86 %



0 dB = 9.40 W/kg = 9.73 dBW/kg

APPENDIX C: SAR TISSUE SPECIFICATIONS

FCC ID: BCGA2379	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	Approved by: Quality Manager
Test Dates: 12/28/2020 – 03/03/2021	DUT Type: Tablet Device		APPENDIX C: Page 1 of 3

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 ϵ' can be calculated from the below equation (Pournaropoulos and Misra):

$$Y = \frac{j2\omega\epsilon_r\epsilon_0}{[\ln(b/a)]^2} \int_a^b \int_a^b \int_0^\pi \cos\phi' \frac{\exp[-j\omega r(\mu_0\epsilon_r\epsilon_0)^{1/2}]}{r} d\phi' d\rho' d\rho$$

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, $r^2 = \rho^2 + \rho'^2 - 2\rho\rho' \cos\phi'$, ω is the angular frequency, and $j = \sqrt{-1}$.

3 Composition / Information on ingredients

3.2 Mixtures

Description: Aqueous solution with surfactants and inhibitors

Declarable, or hazardous components:

CAS: 107-21-1 EINECS: 203-473-3 Reg.nr.: 01-2119456816-28-0000	Ethanedial STOT RE 2, H373; Acute Tox. 4, H302	>1.0-4.9%
CAS: 68608-26-4 EINECS: 271-781-5 Reg.nr.: 01-2119527859-22-0000	Sodium petroleum sulfonate Eye Irrit. 2, H319	< 2.9%
CAS: 107-41-5 EINECS: 203-489-0 Reg.nr.: 01-2119539582-35-0000	Hexylene Glycol / 2-Methyl-pentane-2,4-diol Skin Irrit. 2, H315; Eye Irrit. 2, H319	< 2.9%
CAS: 68920-66-1 NLP: 500-236-9 Reg.nr.: 01-2119489407-26-0000	Alkoxyated alcohol, > C₁₆ Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319	< 2.0%

Additional information:

For the wording of the listed risk phrases refer to section 16.

Not mentioned CAS-, EINECS- or registration numbers are to be regarded as Proprietary/Confidential.

The specific chemical identity and/or exact percentage concentration of proprietary components is withheld 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: BCGA2379	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	Approved by: Quality Manager
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Measurement Certificate / Material Test

Item Name	Body Tissue Simulating Liquid (MBBL600-6000V6)
Product No.	SL AAM U16 BC (Batch: 200803-1)
Manufacturer	SPEAG

Measurement Method

TSL dielectric parameters measured using calibrated DAK probe.

Target Parameters

Target parameters as defined in the KDB 865664 compliance standard.

Test Condition

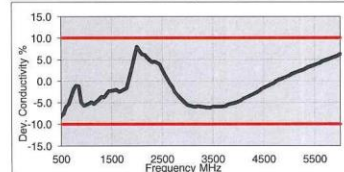
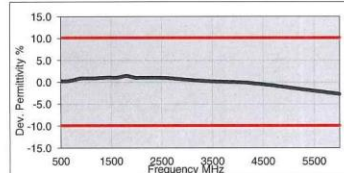
Ambient Condition 22°C ; 30% humidity
 TSL Temperature 22°C
 Test Date 6-Aug-20
 Operator CL

Additional Information

TSL Density
 TSL Heat-capacity

Results

f [MHz]	Measured			Target		Diff. to Target [%]	
	e'	e''	sigma	eps	sigma	Δ-eps	Δ-sigma
600	56.3	26.8	0.89	56.1	0.95	0.3	-6.3
750	55.8	22.6	0.94	55.5	0.96	0.5	-2.1
800	55.7	21.6	0.96	55.3	0.97	0.7	-1.0
825	55.7	21.1	0.97	55.2	0.98	0.8	-1.0
835	55.7	20.9	0.98	55.1	0.99	1.0	-0.5
850	55.6	20.7	0.98	55.2	0.99	0.8	-1.0
900	55.5	19.9	1.00	55.0	1.05	0.9	-4.8
1400	54.7	15.9	1.24	54.1	1.28	1.1	-3.1
1450	54.6	15.8	1.27	54.0	1.30	1.1	-2.3
1600	54.4	15.3	1.36	53.8	1.39	1.1	-2.2
1625	54.4	15.3	1.38	53.8	1.41	1.2	-2.1
1640	54.4	15.2	1.39	53.7	1.42	1.3	-2.1
1650	54.3	15.2	1.39	53.7	1.43	1.1	-2.8
1700	54.2	15.1	1.43	53.6	1.46	1.2	-2.1
1750	54.2	15.0	1.46	53.4	1.49	1.4	-2.0
1800	54.1	14.9	1.50	53.3	1.52	1.5	-1.3
1810	54.1	14.9	1.51	53.3	1.52	1.5	-0.7
1825	54.1	14.9	1.52	53.3	1.52	1.5	0.0
1850	54.0	14.9	1.53	53.3	1.52	1.3	0.7
1900	54.0	14.8	1.57	53.3	1.52	1.3	3.3
1950	53.9	14.8	1.60	53.3	1.52	1.1	5.3
2000	53.8	14.8	1.64	53.3	1.52	0.9	7.9
2050	53.8	14.7	1.68	53.2	1.57	1.1	7.0
2100	53.7	14.7	1.72	53.2	1.62	1.0	6.2
2150	53.7	14.7	1.76	53.1	1.66	1.1	6.0
2200	53.6	14.7	1.80	53.0	1.71	1.1	5.3
2250	53.5	14.8	1.85	53.0	1.76	1.0	5.1
2300	53.5	14.8	1.89	52.9	1.81	1.1	4.4
2350	53.4	14.8	1.94	52.8	1.85	1.1	4.9
2400	53.3	14.8	1.98	52.8	1.90	1.0	4.2
2450	53.3	14.9	2.03	52.7	1.95	1.1	4.1
2500	53.2	14.9	2.07	52.6	2.02	1.1	2.5
2550	53.1	15.0	2.12	52.6	2.09	1.0	1.4
2600	53.0	15.0	2.17	52.5	2.16	0.9	0.5



3500	51.4	16.0	3.11	51.3	3.31	0.2	-6.0
3700	51.1	16.2	3.34	51.1	3.55	0.1	-5.9
5200	48.3	18.7	5.42	49.0	5.30	-1.5	2.3
5250	48.2	18.8	5.50	49.0	5.36	-1.6	2.5
5300	48.1	18.9	5.57	48.9	5.42	-1.7	2.8
5500	47.7	19.2	5.86	48.6	5.65	-2.0	3.8
5600	47.5	19.3	6.01	48.5	5.77	-2.1	4.2
5700	47.3	19.4	6.16	48.3	5.88	-2.3	4.8
5800	47.0	19.6	6.32	48.2	6.00	-2.4	5.3
6000	46.6	19.8	6.62	47.9	6.23	-2.7	6.3

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

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APPENDIX D: SAR SYSTEM VALIDATION

FCC ID: BCGA2379	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	Approved by: Quality Manager
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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

SAR SYSTEM #	FREQ. [MHz]	DATE	PROBE SN	PROBE CAL. POINT		COND.	PERM.	CW VALIDATION			MOD. VALIDATION		
						(σ)	(ε _r)	SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR
AM1	750	4/10/2020	7427	750	Body	0.963	54.189	PASS	PASS	PASS	N/A	N/A	N/A
AM8	750	12/3/2020	7558	750	Body	0.97	54.52	PASS	PASS	PASS	N/A	N/A	N/A
AM6	835	11/11/2020	7546	835	Body	0.996	52.857	PASS	PASS	PASS	GMSK	PASS	N/A
AM7	835	11/12/2020	7420	835	Body	1.005	53.258	PASS	PASS	PASS	GMSK	PASS	N/A
AM4	835	4/22/2020	7421	835	Body	0.992	54.556	PASS	PASS	PASS	GMSK	PASS	N/A
AM8	1750	12/3/2020	7558	1750	Body	1.483	52.815	PASS	PASS	PASS	N/A	N/A	N/A
AM4	1750	4/22/2020	7421	1750	Body	1.475	53.147	PASS	PASS	PASS	N/A	N/A	N/A
AM7	1900	11/12/2020	7420	1900	Body	1.52	53.3	PASS	PASS	PASS	GMSK	PASS	N/A
AM8	2300	12/3/2020	7558	2300	Body	1.897	52.16	PASS	PASS	PASS	N/A	N/A	N/A
AM6	2450	11/12/2020	7546	2450	Body	2.015	50.58	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM1	2450	4/13/2020	7427	2450	Body	2.021	51.602	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM8	2450	12/3/2020	7558	2450	Body	2.029	51.96	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM6	2600	11/12/2020	7546	2600	Body	2.15	50.363	PASS	PASS	PASS	TDD	PASS	N/A
AM8	2600	12/3/2020	7558	2600	Body	2.173	51.749	PASS	PASS	PASS	TDD	PASS	N/A
AM4	3500	5/11/2020	7421	3500	Body	3.389	50.34	PASS	PASS	PASS	TDD	PASS	N/A
AM4	3700	5/11/2020	7421	3700	Body	3.66	49.71	PASS	PASS	PASS	TDD	PASS	N/A
AM1	3700	2/4/2021	3837	3700	Body	3.399	50.196	PASS	PASS	PASS	TDD	PASS	N/A
AM1	3900	2/4/2021	3837	3900	Body	3.643	49.873	PASS	PASS	PASS	TDD	PASS	N/A
AM2	5250	10/14/2020	7416	5250	Body	5.451	46.99	PASS	PASS	PASS	OFDM	N/A	PASS
AM2	5600	10/14/2020	7416	5600	Body	5.956	46.31	PASS	PASS	PASS	OFDM	N/A	PASS
AM2	5750	10/14/2020	7416	5750	Body	6.181	46.014	PASS	PASS	PASS	OFDM	N/A	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.

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APPENDIX F: LTE AND NR LOWER BANDWIDTH RF CONDUCTED POWERS

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All conducted power measurements for 4G/5G in this section were performed by setting *Reserve_power_margin* (Qualcomm® Smart Transmit EFS entry) to 0 dB, so that the EUT transmits continuously at ***P_{limit}***.

1.1 LTE Lower Bandwidth RF Conducted Powers

1.1.1 LTE Band 71

Table 1
LTE Band 71 Measured *P_{limit}* Ant 1 - 15 MHz Bandwidth

LTE Band 71 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			133297 (680.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	18.71	0	0
	1	36	18.77		0
	1	74	18.60		0
	36	0	18.89	0-1	0
	36	18	18.93		0
	36	37	18.81		0
	75	0	18.85		0
16QAM	1	0	19.37	0-1	0
	1	36	19.36		0
	1	74	19.21		0
	36	0	18.89	0-2	0
	36	18	18.91		0
	36	37	18.80		0
	75	0	18.90		0
64QAM	1	0	18.60	0-2	0
	1	36	18.73		0
	1	74	18.60		0
	36	0	18.94	0-3	0
	36	18	19.03		0
	36	37	18.88		0
	75	0	18.85		0
256QAM	1	0	17.11	0-5	2
	1	36	17.16		2
	1	74	17.22		2
	36	0	17.04		2
	36	18	17.08		2
	36	37	16.97		2
	75	0	17.02		2

Note: LTE Band 71 at 15 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

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Table 2
LTE Band 71 Measured P_{limit} Ant 1 - 10 MHz Bandwidth

LTE Band 71 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			133172 (668.0 MHz)	133297 (680.5 MHz)	133422 (693.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.89	18.75	18.69	0	0
	1	25	18.62	18.60	18.69		0
	1	49	18.61	18.61	18.61		0
	25	0	18.99	18.82	18.70	0-1	0
	25	12	18.96	18.86	18.72		0
	25	25	18.89	18.75	18.67		0
	50	0	18.97	18.87	18.71		0
16QAM	1	0	19.20	18.74	19.13	0-1	0
	1	25	18.99	18.64	19.04		0
	1	49	18.85	18.64	18.87		0
	25	0	18.97	18.72	18.65	0-2	0
	25	12	18.88	18.80	18.61		0
	25	25	18.89	18.68	18.64		0
	50	0	18.83	18.70	18.67		0
64QAM	1	0	19.20	18.75	18.63	0-2	0
	1	25	19.06	18.74	18.60		0
	1	49	18.91	18.61	18.62		0
	25	0	18.98	18.85	18.79	0-3	0
	25	12	18.99	18.92	18.77		0
	25	25	18.94	18.87	18.77		0
	50	0	18.91	18.87	18.66		0
256QAM	1	0	17.46	17.45	17.35	0-5	2
	1	25	17.30	17.32	17.27		2
	1	49	17.23	17.28	17.13		2
	25	0	17.33	17.44	17.42		2
	25	12	17.31	17.52	17.40		2
	25	25	17.54	17.46	17.38		2
	50	0	17.53	17.50	17.36		2

Table 3
LTE Band 71 Measured P_{limit} Ant 1 - 5 MHz Bandwidth

LTE Band 71 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			133147 (665.5 MHz)	133297 (680.5 MHz)	133447 (695.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	19.00	18.87	18.63	0	0
	1	12	18.87	18.83	18.61		0
	1	24	18.89	18.74	18.60		0
	12	0	19.12	18.88	18.79	0-1	0
	12	6	19.08	18.87	18.72		0
	12	13	18.94	18.78	18.64		0
	25	0	19.00	18.86	18.72		0
16QAM	1	0	19.06	19.18	18.89	0-1	0
	1	12	19.02	19.17	18.81		0
	1	24	18.92	19.10	18.60		0
	12	0	19.01	18.98	18.71	0-2	0
	12	6	18.99	18.99	18.65		0
	12	13	18.89	18.91	18.65		0
	25	0	18.99	18.75	18.71		0
64QAM	1	0	18.72	18.70	19.03	0-2	0
	1	12	18.61	18.73	18.87		0
	1	24	18.60	18.63	18.78		0
	12	0	18.82	18.64	18.64	0-3	0
	12	6	18.77	18.62	18.67		0
	12	13	18.65	18.65	18.63		0
	25	0	18.72	18.61	18.66		0
256QAM	1	0	17.23	17.23	17.09	0-5	2
	1	12	17.20	17.18	17.02		2
	1	24	17.16	17.12	16.92		2
	12	0	17.09	17.11	17.06		2
	12	6	17.12	17.12	17.02		2
	12	13	17.08	17.06	16.88		2
	25	0	17.06	17.04	16.91		2

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Table 4
LTE Band 71 Measured P_{limit} Ant 3 - 15 MHz Bandwidth

LTE Band 71 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			133297 (680.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	18.87	0	0
	1	36	18.73		0
	1	74	18.72		0
	36	0	18.97	0-1	0
	36	18	18.91		0
	36	37	18.96		0
	75	0	18.95		0
16QAM	1	0	19.59	0-1	0
	1	36	19.44		0
	1	74	19.20		0
	36	0	18.99	0-2	0
	36	18	18.96		0
	36	37	18.96		0
	75	0	19.03		0
64QAM	1	0	18.99	0-2	0
	1	36	19.03		0
	1	74	18.86		0
	36	0	19.26	0-3	0
	36	18	19.22		0
	36	37	19.19		0
	75	0	19.06		0
256QAM	1	0	19.41	0-5	0
	1	36	19.50		0
	1	74	19.37		0
	36	0	19.01		0
	36	18	18.99		0
	36	37	18.88		0
	75	0	18.92		0

Note: LTE Band 71 at 15 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

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Table 5
LTE Band 71 Measured P_{limit} Ant 3 - 10 MHz Bandwidth

LTE Band 71 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			133172 (668.0 MHz)	133297 (680.5 MHz)	133422 (693.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.88	18.91	18.89	0	0
	1	25	18.83	18.86	18.87		0
	1	49	18.90	18.88	18.88		0
	25	0	18.93	18.94	18.94	0-1	0
	25	12	18.96	18.95	18.96		0
	25	25	19.03	19.02	19.01		0
	50	0	19.04	19.05	19.04	0	
16QAM	1	0	19.50	19.49	19.50	0-1	0
	1	25	19.50	19.50	19.48		0
	1	49	19.48	19.36	19.49		0
	25	0	19.02	19.00	19.01	0-2	0
	25	12	19.05	19.04	19.04		0
	25	25	19.12	19.11	19.12		0
	50	0	19.06	19.06	19.02	0	
64QAM	1	0	19.43	18.97	19.00	0-2	0
	1	25	19.27	18.97	18.95		0
	1	49	19.19	18.91	18.85		0
	25	0	19.26	19.20	19.09	0-3	0
	25	12	19.22	19.29	19.09		0
	25	25	19.11	19.21	19.05		0
	50	0	19.15	19.16	18.98	0	
256QAM	1	0	18.81	18.88	19.35	0-5	0
	1	25	18.52	18.99	19.38		0
	1	49	18.60	18.83	19.14		0
	25	0	19.03	19.00	18.91		0
	25	12	19.02	19.04	18.84		0
	25	25	18.84	18.88	18.83		0
	50	0	18.93	18.88	18.80		0

Table 6
LTE Band 71 Measured P_{limit} Ant 3 - 5 MHz Bandwidth

LTE Band 71 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			133147 (665.5 MHz)	133297 (680.5 MHz)	133447 (695.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.74	18.73	18.75	0	0
	1	12	18.83	18.83	18.78		0
	1	24	18.88	18.89	18.89		0
	12	0	18.92	18.91	18.93	0-1	0
	12	6	19.01	19.00	19.00		0
	12	13	19.05	19.01	19.02		0
	25	0	19.03	19.01	19.02	0	
16QAM	1	0	19.07	19.07	19.05	0-1	0
	1	12	19.11	19.10	19.10		0
	1	24	19.19	19.17	19.18		0
	12	0	18.97	18.95	18.95	0-2	0
	12	6	19.07	19.07	19.06		0
	12	13	19.07	19.03	19.06		0
	25	0	19.05	19.06	19.06	0	
64QAM	1	0	19.43	18.97	19.00	0-2	0
	1	12	19.27	18.97	18.95		0
	1	24	19.19	18.91	18.85		0
	12	0	19.26	19.20	19.09	0-3	0
	12	6	19.22	19.29	19.09		0
	12	13	19.11	19.21	19.05		0
	25	0	19.15	19.16	18.98	0	
256QAM	1	0	19.10	19.06	18.98	0-5	0
	1	12	18.99	19.07	18.83		0
	1	24	18.94	18.97	18.70		0
	12	0	19.06	18.96	18.88		0
	12	6	19.02	19.05	18.79		0
	12	13	18.90	18.93	18.73		0
	25	0	18.89	18.90	18.82		0

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1.1.2

LTE Band 12

Table 7
LTE Band 12 Measured P_{limit} Ant 1 - 5 MHz Bandwidth

LTE Band 12 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23035 (701.5 MHz)	23095 (707.5 MHz)	23155 (713.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	20.16	19.96	19.78	0	0
	1	12	20.01	19.89	19.67		0
	1	24	19.97	19.87	19.64		0
	12	0	20.11	20.04	19.96	0-1	0
	12	6	20.10	20.08	19.90		0
	12	13	20.04	19.97	19.85		0
	25	0	20.05	19.99	19.93		0
16QAM	1	0	20.18	19.98	19.90	0-1	0
	1	12	20.20	19.95	19.83		0
	1	24	20.08	19.86	19.74		0
	12	0	20.13	19.85	19.82	0-2	0
	12	6	20.10	19.90	19.81		0
	12	13	20.01	19.84	19.72		0
	25	0	19.88	19.90	19.88		0
64QAM	1	0	19.77	19.84	19.86	0-2	0
	1	12	19.57	19.81	19.76		0
	1	24	19.49	19.78	19.73		0
	12	0	20.03	19.96	19.85	0-3	0
	12	6	19.97	20.02	19.83		0
	12	13	19.93	19.97	19.73		0
	25	0	19.96	19.91	19.79		0
256QAM	1	0	18.10	17.68	18.08	0-5	2
	1	12	18.18	17.65	18.00		2
	1	24	18.14	17.55	17.91		2
	12	0	18.19	17.99	18.02		2
	12	6	18.19	18.00	18.01		2
	12	13	18.12	17.95	17.93		2
	25	0	18.12	18.02	18.01		2

Table 8
LTE Band 12 Measured P_{limit} Ant 1 - 3 MHz Bandwidth

LTE Band 12 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23025 (700.5 MHz)	23095 (707.5 MHz)	23165 (714.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	20.04	19.84	19.83	0	0
	1	7	19.93	19.77	19.70		0
	1	14	19.93	19.77	19.70		0
	8	0	20.10	19.96	19.91	0-1	0
	8	4	20.07	20.00	19.89		0
	8	7	20.02	19.91	19.85		0
	15	0	20.07	20.04	19.87		0
16QAM	1	0	20.08	20.05	20.04	0-1	0
	1	7	19.99	19.98	19.86		0
	1	14	19.88	19.96	19.87		0
	8	0	20.00	19.88	19.86	0-2	0
	8	4	20.04	19.90	19.84		0
	8	7	19.93	19.86	19.78		0
	15	0	19.93	19.94	19.76		0
64QAM	1	0	19.78	19.69	19.66	0-2	0
	1	7	19.63	19.61	19.49		0
	1	14	19.65	19.64	19.49		0
	8	0	19.96	19.78	19.76	0-3	0
	8	4	19.95	19.76	19.76		0
	8	7	19.87	19.75	19.72		0
	15	0	20.08	19.75	19.71		0
256QAM	1	0	18.09	17.76	18.18	0-5	2
	1	7	17.94	17.79	18.20		2
	1	14	17.89	17.82	18.10		2
	8	0	18.06	18.07	17.99		2
	8	4	18.09	18.05	17.98		2
	8	7	18.00	18.06	17.96		2
	15	0	18.11	18.07	17.93		2

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Table 9
LTE Band 12 Measured P_{limit} Ant 1 - 1.4 MHz Bandwidth

LTE Band 12							
1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23017 (699.7 MHz)	23095 (707.5 MHz)	23173 (715.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	19.89	19.68	19.81	0	0
	1	2	19.96	19.80	19.88		0
	1	5	19.87	19.75	19.81		0
	3	0	19.92	19.86	19.71		0
	3	2	19.97	19.89	19.77		0
	3	3	19.92	19.82	19.68		0
	6	0	19.95	19.90	19.73		0
16QAM	1	0	19.92	19.91	19.76	0-1	0
	1	2	19.98	19.99	19.81		0
	1	5	19.85	19.95	19.77		0
	3	0	20.04	19.79	19.78		0
	3	2	20.06	19.76	19.83		0
	3	3	20.01	19.72	19.83		0
	6	0	19.88	19.68	19.70		0
64QAM	1	0	19.66	19.82	19.86	0-2	0
	1	2	19.78	19.92	19.92		0
	1	5	19.58	19.81	19.80		0
	3	0	20.00	20.08	19.86		0
	3	2	20.02	20.10	19.89		0
	3	3	19.98	20.03	19.84		0
	6	0	19.80	19.80	19.51		0
256QAM	1	0	18.10	17.64	17.84	0-3	2
	1	2	18.12	17.74	17.91		2
	1	5	18.07	17.65	17.72		2
	3	0	18.11	17.92	17.93		2
	3	2	18.13	18.00	17.95		2
	3	3	18.07	17.84	17.87		2
	6	0	17.98	17.98	17.89		2

Table10
LTE Band 12 Measured P_{limit} Ant 3 - 5 MHz Bandwidth

LTE Band 12 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23035 (701.5 MHz)	23095 (707.5 MHz)	23155 (713.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.57	18.40	18.29	0	0
	1	12	18.44	18.41	18.24		0
	1	24	18.40	18.41	18.20		0
	12	0	18.60	18.45	18.52	0-1	0
	12	6	18.55	18.49	18.43		0
	12	13	18.45	18.46	18.40		0
	25	0	18.57	18.50	18.43	0	
16QAM	1	0	18.68	18.27	18.31	0-1	0
	1	12	18.56	18.18	18.20		0
	1	24	18.60	18.23	18.18		0
	12	0	18.52	18.16	18.27	0-2	0
	12	6	18.46	18.23	18.28		0
	12	13	18.40	18.18	18.15		0
	25	0	18.27	18.23	18.22	0	
64QAM	1	0	19.06	18.12	18.46	0-2	0
	1	12	18.97	18.13	18.34		0
	1	24	18.93	18.07	18.35		0
	12	0	18.61	18.49	18.42	0-3	0
	12	6	18.52	18.53	18.34		0
	12	13	18.53	18.46	18.27		0
	25	0	18.43	18.46	18.30	0	
256QAM	1	0	18.67	18.51	18.41	0-5	0
	1	12	18.45	18.51	18.34		0
	1	24	18.37	18.45	18.18		0
	12	0	18.56	18.40	18.38		0
	12	6	18.53	18.45	18.34		0
	12	13	18.52	18.38	18.19		0
	25	0	18.42	18.37	18.32		0

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Table 11
LTE Band 12 Measured P_{limit} Ant 3 - 3 MHz Bandwidth

LTE Band 12 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23025 (700.5 MHz)	23095 (707.5 MHz)	23165 (714.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.44	18.27	18.32	0	0
	1	7	18.32	18.21	18.19		0
	1	14	18.32	18.21	18.15		0
	8	0	18.50	18.38	18.38	0-1	0
	8	4	18.47	18.41	18.36		0
	8	7	18.40	18.37	18.30		0
16QAM	15	0	18.47	18.46	18.36	0-1	0
	1	0	18.63	18.63	18.53		0
	1	7	18.51	18.56	18.40		0
	1	14	18.48	18.57	18.36	0-2	0
	8	0	18.59	18.51	18.53		0
	8	4	18.58	18.53	18.51		0
64QAM	8	7	18.57	18.52	18.44	0-2	0
	15	0	18.48	18.58	18.41		0
	1	0	18.75	18.20	18.28		0-2
	1	7	18.69	18.23	18.17	0	
	1	14	18.52	18.23	18.11	0	
	256QAM	8	0	18.50	18.36	18.40	0-3
8		4	18.47	18.40	18.35	0	
8		7	18.45	18.33	18.33	0	
15		0	18.42	18.51	18.29	0-5	0
1		0	18.29	18.45	18.38		0
1		7	18.21	18.44	18.42		0
1	14	18.11	18.39	18.32	0		
8	0	18.55	18.20	18.37	0		
8	4	18.51	18.28	18.36	0		
256QAM	8	7	18.47	18.22	18.29	0-5	0
	15	0	18.42	18.40	18.22		0

Table 12
LTE Band 12 Measured P_{limit} Ant 3 - 1.4 MHz Bandwidth

LTE Band 12 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23017 (699.7 MHz)	23095 (707.5 MHz)	23173 (715.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.31	18.17	18.29	0	0
	1	2	18.37	18.27	18.37		0
	1	5	18.32	18.18	18.30		0
	3	0	18.36	18.27	18.21		0
	3	2	18.38	18.35	18.21		0
	3	3	18.33	18.30	18.18		0
	6	0	18.38	18.38	18.24	0-1	0
16QAM	1	0	18.44	18.48	18.43	0-1	0
	1	2	18.50	18.65	18.45		0
	1	5	18.39	18.55	18.41		0
	3	0	18.60	18.34	18.45		0
	3	2	18.64	18.44	18.57		0
	3	3	18.57	18.35	18.51		0
	6	0	18.40	18.33	18.37	0-2	0
64QAM	1	0	18.51	18.07	18.50	0-2	0
	1	2	18.60	18.29	18.60		0
	1	5	18.53	18.05	18.46		0
	3	0	18.64	18.47	18.47		0
	3	2	18.71	18.51	18.56		0
	3	3	18.56	18.45	18.49		0
	6	0	18.44	18.27	18.07	0-3	0
256QAM	1	0	18.07	18.31	18.33	0-5	0
	1	2	18.10	18.35	18.33		0
	1	5	18.01	18.36	18.24		0
	3	0	18.39	18.35	18.22		0
	3	2	18.38	18.37	18.26		0
	3	3	18.38	18.27	18.15		0
	6	0	18.49	18.17	18.27	0	

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LTE Band 13

Table 13
LTE Band 13 Measured P_{limit} Ant 1 - 5 MHz Bandwidth

LTE Band 13 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23230 (782.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	19.37	0	0
	1	12	19.33		0
	1	24	19.45		0
	12	0	19.49	0-1	0
	12	6	19.48		0
	12	13	19.57		0
	25	0	19.53		0
16QAM	1	0	19.63	0-1	0
	1	12	19.51		0
	1	24	19.48		0
	12	0	19.38	0-2	0
	12	6	19.41		0
	12	13	19.37		0
	25	0	19.49		0
64QAM	1	0	19.37	0-2	0
	1	12	19.42		0
	1	24	19.39		0
	12	0	19.42	0-3	0
	12	6	19.49		0
	12	13	19.47		0
	25	0	19.48		0
256QAM	1	0	17.50	0-5	2
	1	12	17.34		2
	1	24	17.41		2
	12	0	17.33		2
	12	6	17.38		2
	12	13	17.55		2
	25	0	17.51		2

Note: LTE Band 13 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

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Table 14
LTE Band 13 Measured P_{limit} Ant 3 - 5 MHz Bandwidth

LTE Band 13 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23230 (782.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	18.59	0	0
	1	12	18.44		0
	1	24	18.53		0
	12	0	18.73	0-1	0
	12	6	18.66		0
	12	13	18.64		0
	25	0	18.68		0
16QAM	1	0	18.46	0-1	0
	1	12	18.56		0
	1	24	18.51		0
	12	0	18.26	0-2	0
	12	6	18.34		0
	12	13	18.26		0
	25	0	18.07		0
64QAM	1	0	18.62	0-2	0
	1	12	18.50		0
	1	24	18.58		0
	12	0	18.64	0-3	0
	12	6	18.60		0
	12	13	18.58		0
	25	0	18.61		0
256QAM	1	0	18.64	0-5	0
	1	12	18.55		0
	1	24	18.56		0
	12	0	18.62		0
	12	6	18.60		0
	12	13	18.55		0
	25	0	18.59		0

Note: LTE Band 13 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

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LTE Band 14

Table 15
LTE Band 14 Measured P_{limit} Ant 1 - 5 MHz Bandwidth

LTE Band 14 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23330 (793.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	19.58	0	0
	1	12	19.67		0
	1	24	19.58		0
	12	0	19.68	0-1	0
	12	6	19.74		0
	12	13	19.69		0
	25	0	19.70		0
16QAM	1	0	19.82	0-1	0
	1	12	19.82		0
	1	24	19.76		0
	12	0	19.69	0-2	0
	12	6	19.79		0
	12	13	19.69		0
	25	0	19.79		0
64QAM	1	0	19.75	0-2	0
	1	12	19.77		0
	1	24	19.73		0
	12	0	19.72	0-3	0
	12	6	19.61		0
	12	13	19.71		0
	25	0	19.72		0
256QAM	1	0	17.77	0-5	2
	1	12	17.87		2
	1	24	17.81		2
	12	0	17.79		2
	12	6	17.85		2
	12	13	17.79		2
	25	0	17.76		2

Note: LTE Band 14 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

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Table 16
LTE Band 14 Measured P_{limit} Ant 3 - 5 MHz Bandwidth

LTE Band 14 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23330 (793.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	18.47	0	0
	1	12	18.61		0
	1	24	18.59		0
	12	0	18.52	0-1	0
	12	6	18.63		0
	12	13	18.55		0
	25	0	18.56		0
16QAM	1	0	18.97	0-1	0
	1	12	19.07		0
	1	24	19.08		0
	12	0	18.73	0-2	0
	12	6	18.81		0
	12	13	18.81		0
	25	0	18.63		0
64QAM	1	0	18.57	0-2	0
	1	12	18.61		0
	1	24	18.59		0
	12	0	18.53	0-3	0
	12	6	18.66		0
	12	13	18.55		0
	25	0	18.61		0
256QAM	1	0	18.52	0-5	0
	1	12	18.62		0
	1	24	18.51		0
	12	0	18.51		0
	12	6	18.62		0
	12	13	18.52		0
	25	0	18.57		0

Note: LTE Band 14 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

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LTE Band 26

Table 17
LTE Band 26 Measured P_{limit} Ant 1 - 5 MHz Bandwidth

LTE Band 26 (Cell) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26715 (816.5 MHz)	26865 (831.5 MHz)	27015 (846.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.55	18.32	18.36	0	0
	1	12	18.44	18.27	18.31		0
	1	24	18.37	18.34	18.25		0
	12	0	18.56	18.36	18.52	0-1	0
	12	6	18.51	18.41	18.54		0
	12	13	18.43	18.32	18.42		0
	25	0	18.53	18.34	18.51	0	
16QAM	1	0	18.79	18.23	18.48	0-1	0
	1	12	18.68	18.25	18.45		0
	1	24	18.59	18.27	18.33		0
	12	0	18.54	18.17	18.40	0-2	0
	12	6	18.59	18.26	18.37		0
	12	13	18.46	18.14	18.26		0
	25	0	18.33	18.24	18.39	0	
64QAM	1	0	18.42	18.18	18.43	0-2	0
	1	12	18.35	18.17	18.39		0
	1	24	18.24	18.23	18.33		0
	12	0	18.47	18.31	18.39	0-3	0
	12	6	18.44	18.37	18.39		0
	12	13	18.37	18.27	18.27		0
	25	0	18.40	18.21	18.39	0	
256QAM	1	0	16.06	15.94	16.18	0-5	2
	1	12	16.01	15.72	16.02		2
	1	24	16.02	15.74	16.20		2
	12	0	16.05	16.01	16.17		2
	12	6	16.00	15.94	16.05		2
	12	13	15.99	16.07	16.06		2
	25	0	15.98	16.02	16.05		2

Table 18
LTE Band 26 Measured P_{limit} Ant 1 - 3 MHz Bandwidth

LTE Band 26 (Cell) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26705 (815.5 MHz)	26865 (831.5 MHz)	27025 (847.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.42	18.19	18.36	0	0
	1	7	18.36	18.20	18.30		0
	1	14	18.30	18.23	18.29		0
	8	0	18.52	18.36	18.48	0-1	0
	8	4	18.54	18.38	18.48		0
	8	7	18.45	18.32	18.41		0
	15	0	18.51	18.35	18.48		0
16QAM	1	0	18.45	18.32	18.61	0-1	0
	1	7	18.36	18.32	18.58		0
	1	14	18.29	18.33	18.60		0
	8	0	18.36	18.27	18.41	0-2	0
	8	4	18.36	18.31	18.43		0
	8	7	18.31	18.24	18.36		0
	15	0	18.31	18.27	18.37		0
64QAM	1	0	18.17	18.38	18.22	0-2	0
	1	7	18.17	18.34	18.14		0
	1	14	18.11	18.38	18.12		0
	8	0	18.38	18.23	18.36	0-3	0
	8	4	18.39	18.20	18.33		0
	8	7	18.30	18.14	18.27		0
	15	0	18.44	18.24	18.29		0
256QAM	1	0	16.08	15.99	15.99	0-5	2
	1	7	16.06	15.71	15.89		2
	1	14	15.95	15.95	15.76		2
	8	0	15.74	15.85	15.95		2
	8	4	15.91	15.91	15.98		2
	8	7	15.85	15.98	15.97		2
	15	0	16.05	15.96	15.89		2

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Table 19
LTE Band 26 Measured P_{limit} Ant 1 - 1.4 MHz Bandwidth

LTE Band 26 (Cell) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26697 (814.7 MHz)	26865 (831.5 MHz)	27033 (848.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.30	18.14	18.45	0	0
	1	2	18.41	18.17	18.44		0
	1	5	18.29	18.10	18.36		0
	3	0	18.35	18.22	18.33		0
	3	2	18.39	18.24	18.32		0
	3	3	18.32	18.18	18.28		0
	6	0	18.41	18.28	18.37	0-1	0
16QAM	1	0	18.33	18.27	18.38	0-1	0
	1	2	18.41	18.31	18.39		0
	1	5	18.31	18.27	18.33		0
	3	0	18.40	18.10	18.38		0
	3	2	18.45	18.17	18.43		0
	3	3	18.36	18.09	18.38		0
	6	0	18.29	18.07	18.28	0-2	0
64QAM	1	0	18.14	18.26	18.51	0-2	0
	1	2	18.25	18.33	18.53		0
	1	5	18.10	18.30	18.37		0
	3	0	18.44	18.38	18.47		0
	3	2	18.48	18.45	18.50		0
	3	3	18.45	18.36	18.45		0
	6	0	18.24	18.15	18.10	0-3	0
256QAM	1	0	15.98	15.91	15.99	0-5	2
	1	2	15.79	15.68	16.01		2
	1	5	15.88	15.90	16.05		2
	3	0	15.79	15.98	16.08		2
	3	2	16.05	15.87	15.89		2
	3	3	16.01	15.91	15.99		2
	6	0	16.12	15.98	15.78		2

Table 20
LTE Band 26 Measured P_{limit} Ant 3 - 5 MHz Bandwidth

LTE Band 26 (Cell) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26715 (816.5 MHz)	26865 (831.5 MHz)	27015 (846.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.27	18.04	17.89	0	0
	1	12	18.21	18.05	17.88		0
	1	24	18.13	18.10	17.81		0
	12	0	18.27	18.15	18.12	0-1	0
	12	6	18.25	18.20	18.08		0
	12	13	18.12	18.12	17.97		0
	25	0	18.21	18.15	18.09		0
16QAM	1	0	18.20	18.03	18.08	0-1	0
	1	12	18.10	18.00	18.06		0
	1	24	18.01	18.05	17.99		0
	12	0	18.05	17.98	17.97	0-2	0
	12	6	18.09	18.03	17.92		0
	12	13	18.17	17.91	17.86		0
	25	0	18.00	17.98	17.94		0
64QAM	1	0	18.04	17.57	18.19	0-2	0
	1	12	17.99	17.62	18.11		0
	1	24	17.91	17.57	18.24		0
	12	0	17.99	17.93	18.02	0-3	0
	12	6	17.97	18.00	18.01		0
	12	13	17.84	17.87	17.89		0
	25	0	17.93	17.96	17.86		0
256QAM	1	0	18.00	18.04	17.95	0-5	0
	1	12	17.95	18.05	17.90		0
	1	24	17.81	17.95	17.85		0
	12	0	17.98	17.91	17.97		0
	12	6	17.94	18.00	17.96		0
	12	13	17.81	17.92	17.85		0
	25	0	17.94	17.91	17.81		0

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Table21
LTE Band 26 Measured P_{limit} Ant 3 - 3 MHz Bandwidth

LTE Band 26 (Cell) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26705 (815.5 MHz)	26865 (831.5 MHz)	27025 (847.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.12	17.94	17.91	0	0
	1	7	18.08	17.93	17.86		0
	1	14	18.03	17.94	17.85		0
	8	0	18.20	18.10	18.03	0-1	0
	8	4	18.19	18.12	18.08		0
	8	7	18.16	18.09	17.97		0
	15	0	18.21	18.14	18.01		0
16QAM	1	0	18.11	18.12	18.08	0-1	0
	1	7	18.06	18.09	17.96		0
	1	14	17.96	18.09	18.01		0
	8	0	18.06	18.01	18.00	0-2	0
	8	4	18.07	18.06	18.01		0
	8	7	18.01	17.95	17.91		0
	15	0	18.00	18.00	17.89		0
64QAM	1	0	17.74	18.05	17.73	0-2	0
	1	7	17.71	18.06	17.65		0
	1	14	17.72	18.04	17.62		0
	8	0	17.91	17.82	17.87	0-3	0
	8	4	17.96	17.94	17.88		0
	8	7	17.89	17.85	17.79		0
	15	0	18.08	17.89	17.80		0
256QAM	1	0	18.09	17.58	18.37	0-5	0
	1	7	17.96	17.59	18.33		0
	1	14	17.92	17.53	18.23		0
	8	0	17.87	17.89	17.91		0
	8	4	17.86	17.97	17.90		0
	8	7	17.80	17.89	17.85		0
	15	0	17.94	17.90	17.74		0

Table 22
LTE Band 26 Measured P_{limit} Ant 3 - 1.4 MHz Bandwidth

LTE Band 26 (Cell) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26697 (814.7 MHz)	26865 (831.5 MHz)	27033 (848.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.15	17.89	17.76	0	0
	1	2	18.26	18.03	17.81		0
	1	5	18.16	17.90	17.74		0
	3	0	18.09	17.99	17.87		0
	3	2	18.07	18.03	17.91		0
	3	3	18.04	17.97	17.85		0
	6	0	18.10	18.04	17.94	0-1	0
16QAM	1	0	18.32	18.07	18.16	0-1	0
	1	2	18.29	18.18	18.21		0
	1	5	18.28	18.10	18.10		0
	3	0	18.33	18.22	17.94		0
	3	2	18.41	18.24	17.98		0
	3	3	18.38	18.20	17.86		0
	6	0	18.23	18.04	17.90	0-2	0
64QAM	1	0	17.74	17.88	18.00	0-2	0
	1	2	17.85	17.99	18.10		0
	1	5	17.62	17.93	17.92		0
	3	0	18.07	18.09	17.98		0
	3	2	18.10	18.14	18.01		0
	3	3	18.02	18.05	17.94		0
	6	0	17.88	17.88	17.58	0-3	0
256QAM	1	0	18.28	17.82	18.02	0-5	0
	1	2	18.29	17.91	18.12		0
	1	5	18.21	17.81	17.96		0
	3	0	18.25	18.12	18.13		0
	3	2	18.30	18.15	18.10		0
	3	3	18.19	18.07	18.07		0
	6	0	18.10	18.18	18.08		0

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LTE Band 5

Table 23
LTE Band 5 Measured P_{limit} Ant 1 - 5 MHz Bandwidth

LTE Band 5 (Cell) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20425 (826.5 MHz)	20525 (836.5 MHz)	20625 (846.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.47	18.45	18.35	0	0
	1	12	18.37	18.41	18.23		0
	1	24	18.36	18.40	18.23		0
	12	0	18.58	18.48	18.50	0-1	0
	12	6	18.52	18.51	18.49		0
	12	13	18.45	18.41	18.42		0
	25	0	18.52	18.45	18.49		0
16QAM	1	0	18.95	18.45	18.71	0-1	0
	1	12	18.79	18.44	18.66		0
	1	24	18.73	18.43	18.47		0
	12	0	18.73	18.37	18.52	0-2	0
	12	6	18.63	18.43	18.50		0
	12	13	18.55	18.39	18.44		0
	25	0	18.45	18.43	18.58		0
64QAM	1	0	18.27	18.45	18.68	0-2	0
	1	12	18.22	18.46	18.54		0
	1	24	18.14	18.48	18.52		0
	12	0	18.59	18.55	18.54	0-3	0
	12	6	18.58	18.60	18.55		0
	12	13	18.52	18.49	18.51		0
	25	0	18.54	18.44	18.53		0
256QAM	1	0	17.93	17.53	17.97	0-5	1
	1	12	17.82	17.52	17.99		1
	1	24	17.80	17.47	17.93		1
	12	0	17.96	17.99	17.92		1
	12	6	17.98	17.99	17.93		1
	12	13	17.96	17.94	17.94		1
	25	0	17.95	17.94	17.95		1

Table 24
LTE Band 5 Measured P_{limit} Ant 1 - 3 MHz Bandwidth

LTE Band 5 (Cell) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20415 (825.5 MHz)	20525 (836.5 MHz)	20635 (847.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.50	18.47	18.52	0	0
	1	7	18.46	18.45	18.40		0
	1	14	18.40	18.42	18.37		0
	8	0	18.62	18.52	18.62	0-1	0
	8	4	18.65	18.59	18.59		0
	8	7	18.55	18.54	18.52		0
	15	0	18.61	18.56	18.56		0
16QAM	1	0	18.60	18.64	18.61	0-1	0
	1	7	18.49	18.56	18.47		0
	1	14	18.43	18.57	18.45		0
	8	0	18.49	18.46	18.55	0-2	0
	8	4	18.52	18.46	18.55		0
	8	7	18.46	18.38	18.49		0
	15	0	18.38	18.44	18.53		0
64QAM	1	0	18.28	18.58	18.42	0-2	0
	1	7	18.29	18.58	18.34		0
	1	14	18.28	18.54	18.23		0
	8	0	18.49	18.42	18.54	0-3	0
	8	4	18.49	18.42	18.52		0
	8	7	18.39	18.37	18.42		0
	15	0	18.59	18.43	18.47		0
256QAM	1	0	17.98	17.75	17.83	0-5	1
	1	7	17.97	17.72	17.86		1
	1	14	17.95	17.75	17.75		1
	8	0	17.94	17.97	17.90		1
	8	4	17.91	17.96	17.91		1
	8	7	17.82	17.95	17.82		1
	15	0	17.95	17.96	17.93		1

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Table 25
LTE Band 5 Measured P_{limit} Ant 1 - 1.4 MHz Bandwidth

LTE Band 5 (Cell)							
1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20407 (824.7 MHz)	20525 (836.5 MHz)	20643 (848.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.42	18.39	18.53	0	0
	1	2	18.47	18.49	18.56		0
	1	5	18.35	18.41	18.47		0
	3	0	18.51	18.45	18.43		0
	3	2	18.51	18.46	18.47		0
	3	3	18.46	18.44	18.37		0
6	0	18.53	18.50	18.45	0-1	0	
16QAM	1	0	18.45	18.44	18.51	0-1	0
	1	2	18.55	18.56	18.52		0
	1	5	18.44	18.48	18.48		0
	3	0	18.51	18.26	18.54		0
	3	2	18.55	18.32	18.62		0
	3	3	18.50	18.24	18.54		0
6	0	18.34	18.23	18.44	0-2	0	
64QAM	1	0	18.27	18.42	18.63	0-2	0
	1	2	18.39	18.52	18.72		0
	1	5	18.18	18.47	18.54		0
	3	0	18.55	18.60	18.63		0
	3	2	18.61	18.61	18.66		0
	3	3	18.54	18.55	18.61		0
6	0	18.35	18.36	18.26	0-3	0	
256QAM	1	0	17.97	17.78	17.83	0-5	1
	1	2	17.92	17.89	17.95		1
	1	5	17.93	17.79	17.83		1
	3	0	17.99	17.85	17.95		1
	3	2	18.00	17.81	17.99		1
	3	3	17.92	17.81	17.89		1
	6	0	17.84	17.85	17.93		1

Table 26
LTE Band 5 Measured P_{limit} Ant 3 - 5 MHz Bandwidth

LTE Band 5 (Cell)							
5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20425 (826.5 MHz)	20525 (836.5 MHz)	20625 (846.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.14	18.18	18.12	0	0
	1	12	18.01	18.14	17.96		0
	1	24	17.99	18.08	17.99		0
	12	0	18.26	18.12	18.13	0-1	0
	12	6	18.28	18.14	18.10		0
	12	13	18.21	18.07	18.02		0
	25	0	18.28	18.15	18.07		0
16QAM	1	0	18.25	18.04	18.07	0-1	0
	1	12	18.13	18.00	17.95		0
	1	24	18.05	17.96	17.88		0
	12	0	18.15	17.98	17.96	0-2	0
	12	6	18.13	18.01	17.93		0
	12	13	18.21	17.93	17.81		0
	25	0	18.06	17.98	17.95		0
64QAM	1	0	18.56	17.67	17.98	0-2	0
	1	12	18.48	17.64	17.86		0
	1	24	18.46	17.60	17.82		0
	12	0	18.19	17.97	17.93	0-3	0
	12	6	18.17	17.99	17.87		0
	12	13	18.07	17.94	17.80		0
	25	0	18.07	17.94	17.84		0
256QAM	1	0	18.18	18.06	17.98	0-5	0
	1	12	18.08	18.03	17.87		0
	1	24	18.05	18.02	17.77		0
	12	0	18.14	17.93	17.89		0
	12	6	18.08	17.98	17.89		0
	12	13	18.03	17.94	17.78		0
	25	0	18.03	17.95	17.87		0

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Table 27
LTE Band 5 Measured P_{limit} Ant 3 - 3 MHz Bandwidth

LTE Band 5 (Cell) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20415 (825.5 MHz)	20525 (836.5 MHz)	20635 (847.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.21	17.98	17.97	0	0
	1	7	18.11	18.05	17.84		0
	1	14	18.12	17.93	17.80		0
	8	0	18.26	18.15	18.05	0-1	0
	8	4	18.26	18.10	18.06		0
	8	7	18.23	18.07	17.96		0
	15	0	18.24	18.14	18.03		0
16QAM	1	0	18.19	18.13	18.11	0-1	0
	1	7	18.09	18.06	18.06		0
	1	14	18.06	18.08	17.99		0
	8	0	18.14	18.02	18.00	0-2	0
	8	4	18.15	18.03	17.96		0
	8	7	18.06	17.95	17.92		0
	15	0	18.01	18.00	17.86		0
64QAM	1	0	18.23	17.66	17.69	0-2	0
	1	7	18.09	17.63	17.56		0
	1	14	18.04	17.69	17.54		0
	8	0	18.00	17.88	17.87	0-3	0
	8	4	18.02	17.89	17.85		0
	8	7	17.94	17.82	17.78		0
	15	0	18.03	17.97	17.79		0
256QAM	1	0	17.79	17.98	18.37	0-5	0
	1	7	17.66	17.95	18.26		0
	1	14	17.68	17.89	18.17		0
	8	0	18.11	17.82	17.95		0
	8	4	18.11	17.82	17.90		0
	8	7	18.01	17.75	17.87		0
	15	0	18.02	17.91	17.79		0

Table 28
LTE Band 5 Measured P_{limit} Ant 3 - 1.4 MHz Bandwidth

LTE Band 5 (Cell) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20407 (824.7 MHz)	20525 (836.5 MHz)	20643 (848.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.12	17.86	18.00	0	0
	1	2	18.15	17.91	18.03		0
	1	5	18.05	17.83	17.91		0
	3	0	18.07	17.95	17.87		0
	3	2	18.13	18.04	17.90		0
	3	3	18.05	17.93	17.81		0
	6	0	18.14	18.06	17.93	0-1	0
16QAM	1	0	18.00	18.00	17.91	0-1	0
	1	2	18.03	18.11	17.89		0
	1	5	18.00	18.03	17.86		0
	3	0	18.14	17.85	17.88		0
	3	2	18.18	17.88	17.92		0
	3	3	18.09	17.79	17.94		0
	6	0	17.97	17.80	17.80	0-2	0
64QAM	1	0	18.04	17.60	17.97	0-2	0
	1	2	18.09	17.69	18.02		0
	1	5	18.04	17.50	17.86		0
	3	0	18.22	17.96	17.93		0
	3	2	18.23	17.99	17.98		0
	3	3	18.20	17.98	17.89		0
	6	0	18.00	17.80	17.57	0-3	0
256QAM	1	0	17.68	17.90	17.73	0-5	0
	1	2	17.72	17.91	17.80		0
	1	5	17.60	17.86	17.62		0
	3	0	17.91	17.90	17.84		0
	3	2	17.96	17.93	17.84		0
	3	3	17.87	17.86	17.78		0
	6	0	17.99	17.75	17.74		0

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1.1.7

LTE Band 66

Table 29
LTE Band 66 Measured P_{limit} Ant 1 - 15 MHz Bandwidth

LTE Band 66 (AWS)							
15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132047 (1717.5 MHz)	132322 (1745.0 MHz)	132597 (1772.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	14.61	14.66	14.47	0	0
	1	36	14.71	14.73	14.50		0
	1	74	14.56	14.64	14.34		0
	36	0	14.80	14.73	14.62	0-1	0
	36	18	14.83	14.78	14.64		0
	36	37	14.78	14.70	14.65		0
	75	0	14.75	14.71	14.53		0
16QAM	1	0	14.64	14.68	14.70	0-1	0
	1	36	14.63	14.78	14.65		0
	1	74	14.60	14.65	14.64		0
	36	0	14.49	14.49	14.37	0-2	0
	36	18	14.57	14.56	14.47		0
	36	37	14.48	14.49	14.39		0
	75	0	14.54	14.45	14.40		0
64QAM	1	0	14.36	14.34	14.81	0-2	0
	1	36	14.44	14.43	14.82		0
	1	74	14.29	14.36	14.77		0
	36	0	14.66	14.50	14.39	0-3	0
	36	18	14.70	14.54	14.52		0
	36	37	14.59	14.48	14.48		0
	75	0	14.58	14.49	14.40		0
256QAM	1	0	14.54	14.55	14.70	0-5	0
	1	36	14.59	14.71	14.72		0
	1	74	14.42	14.60	14.69		0
	36	0	14.51	14.55	14.37		0
	36	18	14.57	14.57	14.52		0
	36	37	14.49	14.54	14.44		0
	75	0	14.55	14.51	14.46		0

Table 30
LTE Band 66 Measured P_{limit} Ant 1 - 10 MHz Bandwidth

LTE Band 66 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132022 (1715.0 MHz)	132322 (1745.0 MHz)	132622 (1775.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	14.67	14.46	14.52	0	0
	1	25	14.55	14.38	14.47		0
	1	49	14.53	14.44	14.47		0
	25	0	14.80	14.69	14.59	0-1	0
	25	12	14.76	14.70	14.56		0
	25	25	14.74	14.67	14.57		0
	50	0	14.78	14.72	14.53		0
16QAM	1	0	14.52	14.75	14.84	0-1	0
	1	25	14.43	14.70	14.86		0
	1	49	14.42	14.60	14.77		0
	25	0	14.56	14.55	14.41	0-2	0
	25	12	14.61	14.54	14.40		0
	25	25	14.56	14.50	14.41		0
	50	0	14.52	14.44	14.29		0
64QAM	1	0	14.42	14.63	14.21	0-2	0
	1	25	14.38	14.67	14.32		0
	1	49	14.42	14.61	14.22		0
	25	0	14.62	14.54	14.37	0-3	0
	25	12	14.58	14.57	14.45		0
	25	25	14.59	14.54	14.46		0
	50	0	14.58	14.53	14.35		0
256QAM	1	0	14.61	14.31	14.85	0-5	0
	1	25	14.63	14.32	14.86		0
	1	49	14.46	14.30	14.81		0
	25	0	14.59	14.57	14.45		0
	25	12	14.57	14.58	14.49		0
	25	25	14.55	14.52	14.50		0
	50	0	14.51	14.52	14.41		0

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Table 31
LTE Band 66 Measured P_{limit} Ant 1 - 5 MHz Bandwidth

LTE Band 66 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131997 (1712.5 MHz)	132322 (1745.0 MHz)	132647 (1777.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	14.72	14.60	14.41	0	0
	1	12	14.71	14.54	14.39		0
	1	24	14.71	14.53	14.34		0
	12	0	14.76	14.67	14.60	0-1	0
	12	6	14.77	14.69	14.65		0
	12	13	14.78	14.67	14.58		0
	25	0	14.79	14.67	14.58		0
16QAM	1	0	14.87	14.68	14.51	0-1	0
	1	12	14.89	14.64	14.50		0
	1	24	14.82	14.65	14.47		0
	12	0	14.70	14.49	14.38	0-2	0
	12	6	14.79	14.50	14.45		0
	12	13	14.69	14.42	14.38		0
	25	0	14.50	14.46	14.49		0
64QAM	1	0	14.26	15.01	14.45	0-2	0
	1	12	14.30	14.97	14.51		0
	1	24	14.22	14.94	14.48		0
	12	0	14.61	14.61	14.44	0-3	0
	12	6	14.62	14.69	14.45		0
	12	13	14.62	14.58	14.40		0
	25	0	14.60	14.52	14.41		0
256QAM	1	0	14.65	14.52	14.45	0-5	0
	1	12	14.70	14.56	14.47		0
	1	24	14.62	14.56	14.39		0
	12	0	14.60	14.56	14.41		0
	12	6	14.61	14.60	14.48		0
	12	13	14.57	14.56	14.42		0
	25	0	14.56	14.47	14.45		0

Table 32
LTE Band 66 Measured P_{limit} Ant 1 - 3 MHz Bandwidth

LTE Band 66 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131987 (1711.5 MHz)	132322 (1745.0 MHz)	132657 (1778.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	14.65	14.50	14.43	0	0
	1	7	14.59	14.46	14.41		0
	1	14	14.64	14.49	14.41		0
	8	0	14.72	14.66	14.62	0-1	0
	8	4	14.74	14.64	14.62		0
	8	7	14.77	14.60	14.59		0
	15	0	14.80	14.63	14.59		0
16QAM	1	0	14.60	14.70	14.95	0-1	0
	1	7	14.57	14.57	14.93		0
	1	14	14.52	14.58	14.86		0
	8	0	14.56	14.49	14.50	0-2	0
	8	4	14.60	14.50	14.53		0
	8	7	14.52	14.49	14.52		0
	15	0	14.47	14.54	14.46		0
64QAM	1	0	14.35	14.67	14.32	0-2	0
	1	7	14.40	14.63	14.28		0
	1	14	14.35	14.60	14.30		0
	8	0	14.55	14.46	14.49	0-3	0
	8	4	14.57	14.51	14.49		0
	8	7	14.52	14.44	14.42		0
	15	0	14.68	14.52	14.40		0
256QAM	1	0	14.67	14.99	14.28	0-5	0
	1	7	14.58	14.94	14.33		0
	1	14	14.59	14.95	14.27		0
	8	0	14.50	14.55	14.52		0
	8	4	14.49	14.59	14.58		0
	8	7	14.45	14.54	14.52		0
	15	0	14.58	14.51	14.41		0

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Table 33
LTE Band 66 Measured P_{limit} Ant 1 - 1.4 MHz Bandwidth

LTE Band 66 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131979 (1710.7 MHz)	132322 (1745.0 MHz)	132665 (1779.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	14.56	14.46	14.49	0	0
	1	2	14.63	14.46	14.57		0
	1	5	14.55	14.37	14.48		0
	3	0	14.55	14.51	14.43		0
	3	2	14.65	14.56	14.47		0
	3	3	14.62	14.52	14.39		0
	6	0	14.64	14.60	14.48	0-1	0
16QAM	1	0	14.50	14.57	14.51	0-1	0
	1	2	14.53	14.61	14.54		0
	1	5	14.48	14.55	14.53		0
	3	0	14.57	14.33	14.44		0
	3	2	14.64	14.41	14.52		0
	3	3	14.57	14.34	14.49		0
	6	0	14.43	14.29	14.45	0-2	0
64QAM	1	0	14.27	14.51	14.59	0-2	0
	1	2	14.41	14.58	14.71		0
	1	5	14.24	14.54	14.56		0
	3	0	14.64	14.70	14.60		0
	3	2	14.69	14.75	14.66		0
	3	3	14.60	14.67	14.59		0
	6	0	14.39	14.44	14.25	0-3	0
256QAM	1	0	14.53	14.43	14.35	0-5	0
	1	2	14.60	14.50	14.45		0
	1	5	14.50	14.39	14.32		0
	3	0	14.58	14.37	14.44		0
	3	2	14.61	14.45	14.44		0
	3	3	14.57	14.33	14.39		0
	6	0	14.41	14.43	14.40		0

Table 34
LTE Band 66 Measured P_{limit} Ant 3 - 15 MHz Bandwidth

LTE Band 66 (AWS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132047 (1717.5 MHz)	132322 (1745.0 MHz)	132597 (1772.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	14.54	14.27	14.25	0	0
	1	36	14.60	14.39	14.27		0
	1	74	14.51	14.23	14.16		0
	36	0	14.66	14.50	14.41	0-1	0
	36	18	14.69	14.64	14.44		0
	36	37	14.63	14.53	14.52		0
	75	0	14.62	14.58	14.38		0
16QAM	1	0	14.25	14.09	14.28	0-1	0
	1	36	14.33	14.19	14.39		0
	1	74	14.22	14.02	14.23		0
	36	0	14.35	14.27	14.23	0-2	0
	36	18	14.47	14.41	14.26		0
	36	37	14.43	14.31	14.26		0
	75	0	14.37	14.38	14.20		0
64QAM	1	0	14.22	14.76	14.09	0-2	0
	1	36	14.30	14.83	14.18		0
	1	74	14.17	14.75	14.05		0
	36	0	14.54	14.34	14.37	0-3	0
	36	18	14.57	14.48	14.38		0
	36	37	14.48	14.37	14.39		0
	75	0	14.42	14.40	14.24		0
256QAM	1	0	14.54	14.34	14.70	0-5	0
	1	36	14.63	14.44	14.84		0
	1	74	14.53	14.28	14.73		0
	36	0	14.48	14.29	14.25		0
	36	18	14.50	14.43	14.29		0
	36	37	14.44	14.33	14.28		0
	75	0	14.45	14.37	14.23		0

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Table 35
LTE Band 66 Measured P_{limit} Ant 3 - 10 MHz Bandwidth

LTE Band 66 (AWS) 10 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			132022 (1715.0 MHz)	132322 (1745.0 MHz)	132622 (1775.0 MHz)			
			Conducted Power [dBm]					
QPSK	1	0	14.49	14.33	14.31	0	0	
	1	25	14.48	14.20	14.27		0	
	1	49	14.47	14.23	14.24		0	
	25	0	14.63	14.61	14.42	0-1	0	
	25	12	14.63	14.59	14.50		0	
	25	25	14.57	14.53	14.44		0	
16QAM	50	0	14.59	14.61	14.42	0-1	0	
	1	0	14.78	14.10	14.32		0	
	1	25	14.72	14.02	14.31		0	
	1	49	14.62	14.06	14.26	0-2	0	
	25	0	14.42	14.31	14.15		0	
	25	12	14.35	14.43	14.17		0	
64QAM	25	25	14.34	14.33	14.24	0-2	0	
	50	0	14.38	14.44	14.20		0	
	1	0	14.79	14.38	14.34		0-2	0
	1	25	14.77	14.35	14.30	0		
	1	49	14.72	14.32	14.27	0-3		0
	25	0	14.68	14.55	14.42		0	
256QAM	25	12	14.68	14.61	14.46		0-3	0
	25	25	14.63	14.61	14.46	0		
	50	0	14.50	14.47	14.36	0		
	256QAM	1	0	14.17	14.39	14.79	0-5	0
		1	25	14.02	14.35	14.77		0
		1	49	14.17	14.27	14.72		0
25		0	14.50	14.30	14.25	0		
25		12	14.51	14.42	14.30	0		
25		25	14.42	14.37	14.31	0		
256QAM	50	0	14.43	14.34	14.25	0		

Table 36
LTE Band 66 Measured P_{limit} Ant 3 - 5 MHz Bandwidth

LTE Band 66 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131997 (1712.5 MHz)	132322 (1745.0 MHz)	132647 (1777.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	14.43	14.37	14.44	0	0
	1	12	14.46	14.36	14.36		0
	1	24	14.44	14.32	14.35		0
	12	0	14.63	14.57	14.47	0-1	0
	12	6	14.64	14.59	14.47		0
	12	13	14.59	14.57	14.49		0
16QAM	25	0	14.59	14.57	14.48	0-1	0
	1	0	14.53	14.10	14.55		0
	1	12	14.50	14.19	14.55		0
	1	24	14.45	14.15	14.47	0-2	0
	12	0	14.42	14.38	14.32		0
	12	6	14.54	14.42	14.35		0
64QAM	12	13	14.48	14.33	14.33	0-2	0
	25	0	14.26	14.35	14.26		0
	1	0	14.41	14.15	14.48	0-2	0
	1	12	14.45	14.25	14.47		0
	1	24	14.42	14.16	14.42		0
	12	0	14.69	14.58	14.47	0-3	0
12	6	14.73	14.60	14.48	0		
12	13	14.67	14.54	14.41	0		
256QAM	25	0	14.57	14.55	14.41	0-5	0
	1	0	14.63	14.60	14.42		0
	1	12	14.64	14.69	14.51		0
	1	24	14.66	14.61	14.38		0
	12	0	14.66	14.57	14.46		0
	12	6	14.70	14.64	14.45		0
12	13	14.65	14.56	14.40	0		
25	0	14.59	14.55	14.44	0		

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Table 37
LTE Band 66 Measured P_{limit} Ant 3 - 3 MHz Bandwidth

LTE Band 66 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131987 (1711.5 MHz)	132322 (1745.0 MHz)	132657 (1778.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	14.56	14.29	14.24	0	0
	1	7	14.58	14.28	14.29		0
	1	14	14.55	14.33	14.23		0
	8	0	14.61	14.61	14.45	0-1	0
	8	4	14.66	14.58	14.52		0
	8	7	14.64	14.54	14.48		0
	15	0	14.62	14.53	14.47		0
16QAM	1	0	14.70	14.06	14.36	0-1	0
	1	7	14.69	14.08	14.30		0
	1	14	14.61	14.07	14.26		0
	8	0	14.23	14.35	14.26	0-2	0
	8	4	14.30	14.40	14.28		0
	8	7	14.26	14.35	14.25		0
	15	0	14.40	14.29	14.25		0
64QAM	1	0	14.84	14.23	14.28	0-2	0
	1	7	14.83	14.31	14.22		0
	1	14	14.73	14.33	14.25		0
	8	0	14.61	14.51	14.48	0-3	0
	8	4	14.64	14.50	14.46		0
	8	7	14.61	14.45	14.42		0
	15	0	14.66	14.65	14.39		0
256QAM	1	0	14.15	14.34	14.75	0-5	0
	1	7	14.09	14.36	14.74		0
	1	14	14.13	14.37	14.68		0
	8	0	14.48	14.20	14.36		0
	8	4	14.48	14.25	14.34		0
	8	7	14.47	14.18	14.30		0
	15	0	14.43	14.33	14.20		0

Table 38
LTE Band 66 Measured P_{limit} Ant 3 - 1.4 MHz Bandwidth

LTE Band 66 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131979 (1710.7 MHz)	132322 (1745.0 MHz)	132665 (1779.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	14.46	14.30	14.41	0	0
	1	2	14.56	14.33	14.46		0
	1	5	14.50	14.25	14.41		0
	3	0	14.47	14.43	14.25		0
	3	2	14.52	14.42	14.34		0
	3	3	14.49	14.41	14.28		0
	6	0	14.52	14.47	14.38	0-1	0
16QAM	1	0	14.55	14.05	14.41	0-1	0
	1	2	14.71	14.13	14.53		0
	1	5	14.60	14.03	14.42		0
	3	0	14.22	14.24	14.34		0
	3	2	14.30	14.30	14.37		0
	3	3	14.34	14.25	14.33		0
	6	0	14.27	14.36	14.16	0-2	0
64QAM	1	0	14.60	14.24	14.59	0-2	0
	1	2	14.68	14.37	14.67		0
	1	5	14.66	14.19	14.57		0
	3	0	14.80	14.57	14.58		0
	3	2	14.82	14.64	14.60		0
	3	3	14.74	14.58	14.54		0
	6	0	14.56	14.36	14.18	0-3	0
256QAM	1	0	14.23	14.45	14.35	0-5	0
	1	2	14.32	14.48	14.46		0
	1	5	14.23	14.46	14.33		0
	3	0	14.52	14.48	14.46		0
	3	2	14.51	14.53	14.49		0
	3	3	14.45	14.45	14.37		0
	6	0	14.58	14.33	14.39		0

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Table 39
LTE Band 66 Measured P_{limit} Ant 2b - 15 MHz Bandwidth

LTE Band 66 (AWS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132047 (1717.5 MHz)	132322 (1745.0 MHz)	132597 (1772.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	12.17	12.31	12.08	0	0
	1	36	12.26	12.34	12.09		0
	1	74	12.08	12.17	11.96		0
	36	0	12.33	12.35	12.24	0-1	0
	36	18	12.43	12.38	12.24		0
	36	37	12.26	12.29	12.24		0
	75	0	12.25	12.30	12.15		0
16QAM	1	0	12.37	12.63	12.75	0-1	0
	1	36	12.48	12.69	12.74		0
	1	74	12.36	12.51	12.62		0
	36	0	12.38	12.41	12.24	0-2	0
	36	18	12.39	12.44	12.26		0
	36	37	12.25	12.37	12.25		0
	75	0	12.33	12.35	12.20		0
64QAM	1	0	12.18	12.88	12.06	0-2	0
	1	36	12.29	12.97	12.04		0
	1	74	12.07	12.88	11.98		0
	36	0	12.50	12.42	12.32	0-3	0
	36	18	12.55	12.45	12.33		0
	36	37	12.37	12.33	12.30		0
	75	0	12.37	12.40	12.21		0
256QAM	1	0	12.40	12.61	12.81	0-5	0
	1	36	12.51	12.65	12.91		0
	1	74	12.39	12.55	12.77		0
	36	0	12.44	12.51	12.36		0
	36	18	12.47	12.54	12.40		0
	36	37	12.41	12.44	12.37		0
	75	0	12.44	12.48	12.35		0

Table 40
LTE Band 66 Measured P_{limit} Ant 2b - 10 MHz Bandwidth

LTE Band 66 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132022 (1715.0 MHz)	132322 (1745.0 MHz)	132622 (1775.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	12.27	12.15	12.15	0	0
	1	25	12.15	12.11	12.08		0
	1	49	12.18	11.98	12.08		0
	25	0	12.41	12.34	12.25	0-1	0
	25	12	12.44	12.33	12.22		0
	25	25	12.36	12.28	12.23		0
	50	0	12.43	12.31	12.25		0
16QAM	1	0	12.44	12.72	12.81	0-1	0
	1	25	12.44	12.58	12.77		0
	1	49	12.34	12.53	12.65		0
	25	0	12.50	12.43	12.30	0-2	0
	25	12	12.47	12.46	12.35		0
	25	25	12.43	12.40	12.30		0
	50	0	12.43	12.36	12.21		0
64QAM	1	0	12.32	12.54	12.22	0-2	0
	1	25	12.24	12.54	12.21		0
	1	49	12.30	12.48	12.14		0
	25	0	12.49	12.44	12.32	0-3	0
	25	12	12.50	12.45	12.31		0
	25	25	12.46	12.37	12.29		0
	50	0	12.49	12.36	12.23		0
256QAM	1	0	12.54	12.16	12.96	0-5	0
	1	25	12.50	12.14	12.92		0
	1	49	12.46	12.19	12.91		0
	25	0	12.52	12.56	12.46		0
	25	12	12.50	12.51	12.44		0
	25	25	12.45	12.47	12.49		0
	50	0	12.45	12.47	12.40		0

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Table 41
LTE Band 66 Measured P_{limit} Ant 2b - 5 MHz Bandwidth

LTE Band 66 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131997 (1712.5 MHz)	132322 (1745.0 MHz)	132647 (1777.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	12.36	12.26	12.05	0	0
	1	12	12.39	12.20	12.06		0
	1	24	12.35	12.21	12.00		0
	12	0	12.41	12.30	12.27	0-1	0
	12	6	12.40	12.38	12.27		0
	12	13	12.39	12.28	12.21		0
	25	0	12.43	12.32	12.31		0
16QAM	1	0	12.81	12.36	12.40	0-1	0
	1	12	12.79	12.37	12.38		0
	1	24	12.73	12.34	12.32		0
	12	0	12.63	12.34	12.33	0-2	0
	12	6	12.60	12.40	12.34		0
	12	13	12.59	12.34	12.24		0
	25	0	12.37	12.34	12.32		0
64QAM	1	0	12.11	12.87	12.36	0-2	0
	1	12	12.16	12.80	12.34		0
	1	24	12.09	12.78	12.26		0
	12	0	12.51	12.45	12.33	0-3	0
	12	6	12.54	12.53	12.34		0
	12	13	12.45	12.47	12.27		0
	25	0	12.44	12.35	12.57		0
256QAM	1	0	12.60	12.55	12.39	0-5	0
	1	12	12.62	12.51	12.44		0
	1	24	12.58	12.50	12.33		0
	12	0	12.53	12.49	12.40		0
	12	6	12.51	12.56	12.43		0
	12	13	12.51	12.50	12.37		0
	25	0	12.48	12.41	12.40		0

Table 42
LTE Band 66 Measured P_{limit} Ant 2b - 3 MHz Bandwidth

LTE Band 66 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131987 (1711.5 MHz)	132322 (1745.0 MHz)	132657 (1778.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	12.29	12.13	12.10	0	0
	1	7	12.25	12.09	12.07		0
	1	14	12.25	12.09	12.07		0
	8	0	12.34	12.30	12.20	0-1	0
	8	4	12.35	12.32	12.23		0
	8	7	12.36	12.24	12.22		0
	15	0	12.38	12.27	12.22		0
16QAM	1	0	12.47	12.56	12.80	0-1	0
	1	7	12.45	12.50	12.74		0
	1	14	12.41	12.48	12.69		0
	8	0	12.39	12.38	12.35	0-2	0
	8	4	12.46	12.36	12.37		0
	8	7	12.42	12.33	12.32		0
	15	0	12.34	12.40	12.30		0
64QAM	1	0	12.20	12.51	12.07	0-2	0
	1	7	12.23	12.50	12.02		0
	1	14	12.24	12.43	12.05		0
	8	0	12.41	12.34	12.28	0-3	0
	8	4	12.47	12.34	12.25		0
	8	7	12.35	12.29	12.27		0
	15	0	12.54	12.38	12.21		0
256QAM	1	0	12.56	12.19	12.90	0-5	0
	1	7	12.51	12.10	12.88		0
	1	14	12.49	12.19	12.78		0
	8	0	12.40	12.52	12.53		0
	8	4	12.43	12.49	12.51		0
	8	7	12.32	12.52	12.49		0
	15	0	12.50	12.49	12.37		0

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Table 43
LTE Band 66 Measured P_{limit} Ant 2b - 1.4 MHz Bandwidth

LTE Band 66 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131979 (1710.7 MHz)	132322 (1745.0 MHz)	132665 (1779.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	12.18	12.03	12.19	0	0
	1	2	12.24	12.09	12.24		0
	1	5	12.15	12.04	12.19		0
	3	0	12.22	12.14	12.09		0
	3	2	12.21	12.20	12.13		0
	3	3	12.18	12.15	12.08		0
	6	0	12.29	12.17	12.12	0-1	0
16QAM	1	0	12.40	12.45	12.32	0-1	0
	1	2	12.42	12.51	12.40		0
	1	5	12.35	12.41	12.31		0
	3	0	12.40	12.18	12.36		0
	3	2	12.46	12.23	12.39		0
	3	3	12.45	12.16	12.33		0
	6	0	12.29	12.17	12.26	0-2	0
64QAM	1	0	12.12	12.36	12.41	0-2	0
	1	2	12.30	12.40	12.45		0
	1	5	12.04	12.37	12.32		0
	3	0	12.46	12.49	12.43		0
	3	2	12.51	12.52	12.45		0
	3	3	12.45	12.49	12.38		0
	6	0	12.27	12.27	12.05	0-3	0
256QAM	1	0	12.46	12.12	12.27	0-5	0
	1	2	12.49	12.14	12.39		0
	1	5	12.43	12.05	12.25		0
	3	0	12.46	12.36	12.38		0
	3	2	12.49	12.42	12.41		0
	3	3	12.43	12.32	12.37		0
	6	0	12.30	12.38	12.34		0

Table 44
LTE Band 66 Measured P_{limit} Ant 4b - 15 MHz Bandwidth

LTE Band 66 (AWS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132047 (1717.5 MHz)	132322 (1745.0 MHz)	132597 (1772.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	12.60	12.63	12.50	0	0
	1	36	12.73	12.73	12.48		0
	1	74	12.65	12.60	12.30		0
	36	0	12.66	12.75	12.58	0-1	0
	36	18	12.72	12.93	12.61		0
	36	37	12.70	12.83	12.58		0
	75	0	12.68	12.83	12.50		0
16QAM	1	0	12.46	12.28	12.45	0-1	0
	1	36	12.60	12.42	12.41		0
	1	74	12.55	12.30	12.44		0
	36	0	12.26	12.26	12.10	0-2	0
	36	18	12.32	12.38	12.09		0
	36	37	12.29	12.30	12.09		0
	75	0	12.20	12.34	12.05		0
64QAM	1	0	12.64	12.10	11.91	0-2	0
	1	36	12.86	12.25	12.03		0
	1	74	12.80	12.11	11.99		0
	36	0	12.28	12.44	12.20	0-3	0
	36	18	12.36	12.51	12.14		0
	36	37	12.29	12.46	12.17		0
	75	0	12.28	12.42	12.04		0
256QAM	1	0	12.60	12.69	12.57	0-5	0
	1	36	12.78	12.79	12.56		0
	1	74	12.73	12.64	12.53		0
	36	0	12.61	12.68	12.48		0
	36	18	12.68	12.80	12.56		0
	36	37	12.60	12.71	12.47		0
	75	0	12.60	12.74	12.52		0

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Table 45
LTE Band 66 Measured P_{limit} Ant 4b - 10 MHz Bandwidth

LTE Band 66 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132022 (1715.0 MHz)	132322 (1745.0 MHz)	132622 (1775.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	12.50	12.66	12.54	0	0
	1	25	12.39	12.69	12.36		0
	1	49	12.43	12.60	12.35		0
	25	0	12.69	12.86	12.50	0-1	0
	25	12	12.74	12.85	12.56		0
	25	25	12.70	12.79	12.49		0
16QAM	50	0	12.70	12.84	12.48	0-1	0
	1	0	12.46	12.39	12.32		0
	1	25	12.43	12.33	12.50		0
	1	49	12.40	12.28	12.41	0-2	0
	25	0	12.32	12.45	12.10		0
	25	12	12.31	12.47	12.16		0
64QAM	25	25	12.31	12.37	12.10	0-2	0
	50	0	12.18	12.35	12.01		0
	1	0	12.42	12.19	11.97		0-2
	1	25	12.40	12.21	12.03	0	
	1	49	12.41	12.18	11.90	0-3	
	25	0	12.29	12.49	12.11		0
25	12	12.36	12.50	12.21	0		
256QAM	25	25	12.29	12.43	12.10	0-3	0
	50	0	12.24	12.43	12.00		0
	1	0	12.30	12.75	12.57		0-5
	1	25	12.21	12.73	12.56	0	
	1	49	12.29	12.65	12.59	0	
	25	0	12.61	12.67	12.47	0	
25	12	12.70	12.76	12.41	0		
25	25	12.65	12.65	12.46	0		
	50	0	12.60	12.70	12.44		0

Table 46
LTE Band 66 Measured P_{limit} Ant 4b - 5 MHz Bandwidth

LTE Band 66 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131997 (1712.5 MHz)	132322 (1745.0 MHz)	132647 (1777.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	12.60	12.75	12.33	0	0
	1	12	12.59	12.81	12.32		0
	1	24	12.58	12.78	12.27		0
	12	0	12.72	12.83	12.53	0-1	0
	12	6	12.73	12.82	12.53		0
	12	13	12.68	12.83	12.51		0
	25	0	12.65	12.82	12.53		0
16QAM	1	0	12.23	12.65	12.20	0-1	0
	1	12	12.22	12.71	12.10		0
	1	24	12.24	12.62	12.05		0
	12	0	12.22	12.55	12.05	0-2	0
	12	6	12.25	12.55	12.07		0
	12	13	12.21	12.49	11.98		0
	25	0	12.20	12.30	12.12		0
64QAM	1	0	12.71	12.02	12.16	0-2	0
	1	12	12.71	12.11	12.14		0
	1	24	12.69	12.01	12.08		0
	12	0	12.34	12.46	12.16	0-3	0
	12	6	12.39	12.45	12.16		0
	12	13	12.34	12.39	12.09		0
	25	0	12.23	12.44	12.07		0
256QAM	1	0	12.59	12.83	12.44	0-5	0
	1	12	12.59	12.88	12.45		0
	1	24	12.66	12.83	12.35		0
	12	0	12.64	12.74	12.42		0
	12	6	12.66	12.85	12.44		0
	12	13	12.61	12.77	12.36		0
	25	0	12.54	12.70	12.38		0

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Table 47
LTE Band 66 Measured P_{limit} Ant 4b - 3 MHz Bandwidth

LTE Band 66 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131987 (1711.5 MHz)	132322 (1745.0 MHz)	132657 (1778.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	12.48	12.70	12.38	0	0
	1	7	12.51	12.65	12.34		0
	1	14	12.52	12.72	12.33		0
	8	0	12.68	12.82	12.52	0-1	0
	8	4	12.70	12.80	12.55		0
	8	7	12.68	12.81	12.49		0
	15	0	12.69	12.84	12.51		0
16QAM	1	0	12.46	12.40	12.55	0-1	0
	1	7	12.37	12.40	12.54		0
	1	14	12.40	12.34	12.44		0
	8	0	12.25	12.35	12.16	0-2	0
	8	4	12.32	12.42	12.14		0
	8	7	12.27	12.36	12.08		0
	15	0	12.28	12.27	12.12		0
64QAM	1	0	12.46	12.20	11.95	0-2	0
	1	7	12.43	12.18	11.91		0
	1	14	12.37	12.23	11.85		0
	8	0	12.22	12.35	12.10	0-3	0
	8	4	12.30	12.40	12.11		0
	8	7	12.25	12.33	12.10		0
	15	0	12.28	12.47	12.06		0
256QAM	1	0	12.30	12.70	12.53	0-5	0
	1	7	12.23	12.74	12.51		0
	1	14	12.28	12.74	12.56		0
	8	0	12.59	12.64	12.43		0
	8	4	12.64	12.61	12.50		0
	8	7	12.62	12.57	12.42		0
	15	0	12.57	12.77	12.32		0

Table 48
LTE Band 66 Measured P_{limit} Ant 4b - 1.4 MHz Bandwidth

LTE Band 66 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			131979 (1710.7 MHz)	132322 (1745.0 MHz)	132665 (1779.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	12.46	12.64	12.47	0	0
	1	2	12.46	12.68	12.52		0
	1	5	12.39	12.61	12.46		0
	3	0	12.49	12.62	12.38		0
	3	2	12.55	12.69	12.42		0
	3	3	12.49	12.65	12.36		0
	6	0	12.63	12.70	12.40		0
16QAM	1	0	12.27	12.28	12.07	0-1	0
	1	2	12.39	12.38	12.15		0
	1	5	12.31	12.26	12.09		0
	3	0	12.13	12.40	12.09		0
	3	2	12.14	12.44	12.14		0
	3	3	12.05	12.40	12.09		0
	6	0	12.09	12.25	12.04		0
64QAM	1	0	12.26	12.10	12.18	0-2	0
	1	2	12.36	12.26	12.30		0
	1	5	12.34	12.06	12.14		0
	3	0	12.44	12.42	12.18		0
	3	2	12.46	12.50	12.22		0
	3	3	12.40	12.45	12.17		0
	6	0	12.18	12.24	11.83		0
256QAM	1	0	12.19	12.66	12.25	0-5	0
	1	2	12.25	12.67	12.37		0
	1	5	12.18	12.64	12.22		0
	3	0	12.44	12.68	12.36		0
	3	2	12.51	12.73	12.36		0
	3	3	12.45	12.63	12.29		0
	6	0	12.53	12.50	12.32		0

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LTE Band 25

Table 49
LTE Band 25 Measured P_{limit} Ant 1 - 15 MHz Bandwidth

LTE Band 25 (PCS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26115 (1857.5 MHz)	26365 (1882.5 MHz)	26615 (1907.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	15.61	15.68	15.44	0	0
	1	36	15.66	15.67	15.50		0
	1	74	15.52	15.56	15.44		0
	36	0	15.80	15.62	15.60	0-1	0
	36	18	15.83	15.64	15.57		0
	36	37	15.74	15.64	15.57		0
	75	0	15.75	15.58	15.53		0
16QAM	1	0	15.97	15.80	15.91	0-1	0
	1	36	15.96	15.83	15.92		0
	1	74	15.87	15.71	15.81		0
	36	0	15.59	15.48	15.38	0-2	0
	36	18	15.62	15.50	15.37		0
	36	37	15.54	15.50	15.40		0
	75	0	15.59	15.39	15.37		0
64QAM	1	0	15.56	15.97	15.33	0-2	0
	1	36	15.62	16.11	15.37		0
	1	74	15.50	15.99	15.34		0
	36	0	15.77	15.53	15.44	0-3	0
	36	18	15.74	15.48	15.51		0
	36	37	15.68	15.49	15.47		0
	75	0	15.66	15.46	15.32		0
256QAM	1	0	15.67	15.64	15.82	0-5	0
	1	36	15.78	15.73	15.95		0
	1	74	15.65	15.66	15.85		0
	36	0	15.62	15.54	15.41		0
	36	18	15.65	15.52	15.43		0
	36	37	15.57	15.52	15.41		0
	75	0	15.59	15.45	15.38		0

Table 50
LTE Band 25 Measured P_{limit} Ant 1 - 10 MHz Bandwidth

LTE Band 25 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26090 (1855.0 MHz)	26365 (1882.5 MHz)	26640 (1910.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	15.63	15.50	15.44	0	0
	1	25	15.55	15.39	15.51		0
	1	49	15.61	15.43	15.54		0
	25	0	15.77	15.63	15.50	0-1	0
	25	12	15.83	15.64	15.55		0
	25	25	15.81	15.70	15.56		0
	50	0	15.84	15.60	15.53		0
16QAM	1	0	16.14	15.74	15.79	0-1	0
	1	25	16.12	15.65	15.84		0
	1	49	16.05	15.60	15.80		0
	25	0	15.64	15.48	15.36	0-2	0
	25	12	15.67	15.54	15.39		0
	25	25	15.62	15.62	15.48		0
	50	0	15.65	15.45	15.35		0
64QAM	1	0	15.67	15.55	15.37	0-2	0
	1	25	15.61	15.71	15.49		0
	1	49	15.62	15.62	15.44		0
	25	0	15.70	15.47	15.40	0-3	0
	25	12	15.74	15.55	15.46		0
	25	25	15.71	15.59	15.48		0
	50	0	15.71	15.39	15.33		0
256QAM	1	0	15.67	15.28	15.86	0-5	0
	1	25	15.68	15.35	15.91		0
	1	49	15.61	15.37	15.87		0
	25	0	15.72	15.43	15.35		0
	25	12	15.69	15.50	15.37		0
	25	25	15.61	15.56	15.46		0
	50	0	15.64	15.48	15.40		0

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Table 51
LTE Band 25 Measured P_{limit} Ant 1 - 5 MHz Bandwidth

LTE Band 25 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26065 (1852.5 MHz)	26365 (1882.5 MHz)	26665 (1912.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	15.75	15.49	15.44	0	0
	1	12	15.75	15.57	15.42		0
	1	24	15.77	15.61	15.43		0
	12	0	15.77	15.63	15.52	0-1	0
	12	6	15.81	15.69	15.60		0
	12	13	15.82	15.73	15.63		0
	25	0	15.83	15.62	15.59		0
16QAM	1	0	15.95	15.58	15.42	0-1	0
	1	12	15.94	15.66	15.50		0
	1	24	15.87	15.69	15.49		0
	12	0	15.79	15.33	15.35	0-2	0
	12	6	15.79	15.54	15.43		0
	12	13	15.81	15.47	15.46		0
	25	0	15.62	15.42	15.46		0
64QAM	1	0	16.10	15.91	15.49	0-2	0
	1	12	16.11	15.97	15.48		0
	1	24	16.12	15.98	15.52		0
	12	0	15.68	15.48	15.37	0-3	0
	12	6	15.73	15.60	15.49		0
	12	13	15.69	15.59	15.48		0
	25	0	15.66	15.46	15.42		0
256QAM	1	0	15.75	15.43	15.41	0-5	0
	1	12	15.78	15.54	15.45		0
	1	24	15.74	15.61	15.40		0
	12	0	15.66	15.46	15.39		0
	12	6	15.73	15.59	15.44		0
	12	13	15.75	15.58	15.45		0
	25	0	15.63	15.39	15.41		0

Table 52
LTE Band 25 Measured P_{limit} Ant 1 - 3 MHz Bandwidth

LTE Band 25 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26055 (1851.5 MHz)	26365 (1882.5 MHz)	26675 (1913.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	15.63	15.36	15.43	0	0
	1	7	15.68	15.45	15.47		0
	1	14	15.73	15.53	15.54		0
	8	0	15.71	15.54	15.53	0-1	0
	8	4	15.81	15.69	15.59		0
	8	7	15.81	15.68	15.60		0
	15	0	15.81	15.58	15.58		0
16QAM	1	0	16.05	15.64	15.84	0-1	0
	1	7	16.06	15.66	15.85		0
	1	14	16.03	15.73	15.94		0
	8	0	15.60	15.42	15.45	0-2	0
	8	4	15.65	15.53	15.48		0
	8	7	15.65	15.52	15.51		0
	15	0	15.55	15.46	15.46		0
64QAM	1	0	15.99	15.54	15.33	0-2	0
	1	7	16.02	15.67	15.37		0
	1	14	15.98	15.71	15.43		0
	8	0	15.58	15.39	15.34	0-3	0
	8	4	15.67	15.50	15.45		0
	8	7	15.65	15.52	15.46		0
	15	0	15.73	15.44	15.36		0
256QAM	1	0	15.72	15.26	15.85	0-5	0
	1	7	15.73	15.35	15.86		0
	1	14	15.82	15.45	15.90		0
	8	0	15.53	15.42	15.40		0
	8	4	15.59	15.58	15.50		0
	8	7	15.56	15.63	15.51		0
	15	0	15.67	15.46	15.34		0

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Table 53
LTE Band 25 Measured P_{limit} Ant 1 - 1.4 MHz Bandwidth

LTE Band 25 (PCS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26047 (1850.7 MHz)	26365 (1882.5 MHz)	26683 (1914.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	15.56	15.34	15.51	0	0
	1	2	15.66	15.44	15.54		0
	1	5	15.65	15.43	15.56		0
	3	0	15.73	15.44	15.40		0
	3	2	15.79	15.56	15.48		0
	3	3	15.74	15.52	15.43		0
	6	0	15.73	15.57	15.51	0-1	0
16QAM	1	0	16.02	15.60	15.41	0-1	0
	1	2	16.14	15.68	15.47		0
	1	5	16.09	15.68	15.47		0
	3	0	15.66	15.29	15.44		0
	3	2	15.73	15.40	15.54		0
	3	3	15.65	15.37	15.53		0
	6	0	15.50	15.37	15.35	0-2	0
64QAM	1	0	15.91	15.51	15.55	0-2	0
	1	2	15.97	15.61	15.63		0
	1	5	15.98	15.59	15.55		0
	3	0	15.67	15.65	15.58		0
	3	2	15.79	15.72	15.58		0
	3	3	15.73	15.67	15.57		0
	6	0	15.54	15.45	15.19	0-3	0
256QAM	1	0	15.67	15.25	15.31	0-5	0
	1	2	15.65	15.32	15.43		0
	1	5	15.64	15.25	15.35		0
	3	0	15.59	15.40	15.40		0
	3	2	15.67	15.44	15.46		0
	3	3	15.63	15.38	15.40		0
	6	0	15.48	15.46	15.36	0	

Table 54
LTE Band 25 Measured P_{limit} Ant 3 - 15 MHz Bandwidth

LTE Band 25 (PCS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26115 (1857.5 MHz)	26365 (1882.5 MHz)	26615 (1907.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	14.89	14.70	14.90	0	0
	1	36	14.87	14.71	14.90		0
	1	74	14.81	14.60	14.83		0
	36	0	15.05	14.87	14.80	0-1	0
	36	18	14.97	14.82	14.91		0
	36	37	14.90	14.85	14.85		0
	75	0	14.94	14.87	14.78		0
16QAM	1	0	14.89	14.50	14.88	0-1	0
	1	36	14.84	14.47	14.89		0
	1	74	14.78	14.42	14.87		0
	36	0	14.62	14.29	14.32	0-2	0
	36	18	14.54	14.31	14.44		0
	36	37	14.45	14.30	14.34		0
	75	0	14.46	14.39	14.30		0
64QAM	1	0	14.60	14.99	14.36	0-2	0
	1	36	14.61	15.15	14.44		0
	1	74	14.39	15.08	14.38		0
	36	0	14.91	14.56	14.64	0-3	0
	36	18	14.80	14.58	14.71		0
	36	37	14.73	14.55	14.70		0
	75	0	14.74	14.60	14.55		0
256QAM	1	0	14.74	14.64	15.04	0-5	0
	1	36	14.81	14.78	15.15		0
	1	74	14.65	14.75	15.14		0
	36	0	14.78	14.60	14.61		0
	36	18	14.71	14.57	14.59		0
	36	37	14.63	14.57	14.64		0
	75	0	14.66	14.63	14.64		0

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Table 55
LTE Band 25 Measured P_{limit} Ant 3 - 10 MHz Bandwidth

LTE Band 25 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26090 (1855.0 MHz)	26365 (1882.5 MHz)	26640 (1910.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	14.78	14.67	14.71	0	0
	1	25	14.77	14.69	14.73		0
	1	49	14.77	14.65	14.75		0
	25	0	15.04	14.78	14.78	0-1	0
	25	12	15.05	14.78	14.78		0
	25	25	14.98	14.84	14.85		0
	50	0	14.98	14.77	14.80		0
16QAM	1	0	14.78	14.41	14.85	0-1	0
	1	25	14.78	14.45	14.82		0
	1	49	14.70	14.50	14.85		0
	25	0	14.68	14.30	14.37	0-2	0
	25	12	14.67	14.39	14.43		0
	25	25	14.59	14.39	14.52		0
	50	0	14.48	14.28	14.34		0
64QAM	1	0	14.62	14.67	14.45	0-2	0
	1	25	14.62	14.72	14.56		0
	1	49	14.54	14.68	14.58		0
	25	0	14.82	14.54	14.61	0-3	0
	25	12	14.87	14.66	14.66		0
	25	25	14.80	14.63	14.77		0
	50	0	14.74	14.59	14.55		0
256QAM	1	0	14.82	14.27	15.08	0-5	0
	1	25	14.77	14.17	15.14		0
	1	49	14.68	14.28	15.16		0
	25	0	14.82	14.52	14.56		0
	25	12	14.80	14.64	14.63		0
	25	25	14.67	14.63	14.76		0
	50	0	14.67	14.57	14.60		0

Table 56
LTE Band 25 Measured P_{limit} Ant 3 - 5 MHz Bandwidth

LTE Band 25 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26065 (1852.5 MHz)	26365 (1882.5 MHz)	26665 (1912.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	14.62	14.52	14.61	0	0
	1	12	14.67	14.53	14.67		0
	1	24	14.66	14.59	14.69		0
	12	0	14.82	14.54	14.61	0-1	0
	12	6	14.85	14.64	14.73		0
	12	13	14.90	14.68	14.75		0
16QAM	25	0	14.89	14.58	14.68	0	
	1	0	14.92	15.01	14.83	0-1	0
	1	12	14.89	15.08	14.83		0
	1	24	14.94	15.06	14.84		0
	12	0	14.79	14.55	14.51	0-2	0
	12	6	14.50	14.53	14.52		0
12	13	14.49	14.55	14.50	0		
64QAM	25	0	14.41	14.36	14.23	0	
	1	0	14.50	15.02	14.71	0-2	0
	1	12	14.50	15.05	14.72		0
	1	24	14.56	15.10	14.74		0
	12	0	14.83	14.60	14.62	0-3	0
	12	6	14.88	14.75	14.71		0
12	13	14.87	14.75	14.68	0		
256QAM	25	0	14.81	14.62	14.67	0	
	1	0	14.88	14.53	14.59	0-5	0
	1	12	14.92	14.59	14.65		0
	1	24	14.89	14.66	14.63		0
	12	0	14.73	14.51	14.56		0
	12	6	14.84	14.65	14.65		0
12	13	14.85	14.63	14.66	0		
	25	0	14.76	14.53	14.62	0	

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Table 57
LTE Band 25 Measured P_{limit} Ant 3 - 3 MHz Bandwidth

LTE Band 25 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26055 (1851.5 MHz)	26365 (1882.5 MHz)	26675 (1913.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	14.81	14.62	14.64	0	0
	1	7	14.83	14.71	14.69		0
	1	14	14.91	14.82	14.76		0
	8	0	14.98	14.71	14.79	0-1	0
	8	4	15.04	14.77	14.90		0
	8	7	15.03	14.84	14.89		0
	15	0	15.03	14.73	14.85		0
16QAM	1	0	14.69	14.30	14.87	0-1	0
	1	7	14.72	14.35	14.93		0
	1	14	14.78	14.45	14.95		0
	8	0	14.52	14.26	14.48	0-2	0
	8	4	14.61	14.37	14.54		0
	8	7	14.65	14.38	14.53		0
	15	0	14.64	14.23	14.48		0
64QAM	1	0	14.48	14.61	14.45	0-2	0
	1	7	14.56	14.71	14.47		0
	1	14	14.67	14.79	14.53		0
	8	0	14.75	14.47	14.60	0-3	0
	8	4	14.85	14.57	14.67		0
	8	7	14.81	14.60	14.73		0
	15	0	14.93	14.56	14.62		0
256QAM	1	0	14.78	14.11	15.01	0-5	0
	1	7	14.83	14.23	15.12		0
	1	14	14.88	14.33	15.13		0
	8	0	14.61	14.50	14.63		0
	8	4	14.69	14.61	14.73		0
	8	7	14.70	14.62	14.74		0
	15	0	14.77	14.55	14.57		0

Table 58
LTE Band 25 Measured P_{limit} Ant 3 - 1.4 MHz Bandwidth

LTE Band 25 (PCS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26047 (1850.7 MHz)	26365 (1882.5 MHz)	26683 (1914.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	14.71	14.53	14.80	0	0
	1	2	14.81	14.68	14.84		0
	1	5	14.80	14.65	14.86		0
	3	0	14.84	14.57	14.72		0
	3	2	14.95	14.74	14.77		0
	3	3	14.89	14.69	14.68	0	
	6	0	14.95	14.67	14.74	0-1	0
16QAM	1	0	14.92	14.52	14.72	0-1	0
	1	2	15.01	14.68	14.78		0
	1	5	15.04	14.69	14.44		0
	3	0	14.70	14.61	14.44		0
	3	2	14.80	14.51	14.34		0
	3	3	14.30	14.55	14.54	0	
	6	0	14.28	14.27	14.26	0-2	0
64QAM	1	0	14.49	14.58	14.75	0-2	0
	1	2	14.65	14.65	14.92		0
	1	5	14.53	14.70	14.82		0
	3	0	14.84	14.73	14.75		0
	3	2	14.95	14.79	14.85		0
	3	3	14.90	14.76	14.80	0	
	6	0	14.69	14.51	14.40	0-3	0
256QAM	1	0	14.70	14.14	14.44	0-5	0
	1	2	14.73	14.19	14.63		0
	1	5	14.79	14.18	14.54		0
	3	0	14.71	14.42	14.58		0
	3	2	14.79	14.51	14.61		0
	3	3	14.74	14.44	14.56		0
	6	0	14.61	14.50	14.57	0	

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Table 59
LTE Band 25 Measured P_{limit} Ant 2b - 15 MHz Bandwidth

LTE Band 25 (PCS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26115 (1857.5 MHz)	26365 (1882.5 MHz)	26615 (1907.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	12.00	11.96	12.11	0	0
	1	36	11.98	12.03	12.20		0
	1	74	11.85	11.95	12.13		0
	36	0	12.17	12.01	12.13	0-1	0
	36	18	12.20	12.08	12.19		0
	36	37	12.12	12.07	12.16		0
	75	0	12.15	12.00	12.18		0
16QAM	1	0	12.53	12.10	12.47	0-1	0
	1	36	12.35	12.16	12.50		0
	1	74	12.33	12.12	12.44		0
	36	0	12.16	12.01	12.17	0-2	0
	36	18	12.17	12.04	12.28		0
	36	37	12.08	12.07	12.23		0
	75	0	12.12	12.05	12.22		0
64QAM	1	0	12.00	11.91	12.55	0-2	0
	1	36	12.01	11.90	12.60		0
	1	74	11.87	11.94	12.59		0
	36	0	12.27	12.17	12.13	0-3	0
	36	18	12.28	12.20	12.20		0
	36	37	12.19	12.22	12.16		0
	75	0	12.14	12.10	12.14		0
256QAM	1	0	11.98	12.00	11.78	0-5	0
	1	36	12.07	12.05	11.76		0
	1	74	11.95	12.06	11.80		0
	36	0	12.05	11.91	11.99		0
	36	18	12.03	11.90	12.07		0
	36	37	11.93	11.94	12.02		0
	75	0	11.96	11.86	12.03		0

Table 60
LTE Band 25 Measured P_{limit} Ant 2b - 10 MHz Bandwidth

LTE Band 25 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26090 (1855.0 MHz)	26365 (1882.5 MHz)	26640 (1910.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	11.89	11.72	11.81	0	0
	1	25	11.90	11.80	11.88		0
	1	49	11.80	11.74	11.85		0
	25	0	12.07	11.92	12.00	0-1	0
	25	12	12.05	11.94	11.97		0
	25	25	12.07	12.00	12.04		0
	50	0	12.05	11.94	12.00		0
16QAM	1	0	12.16	12.20	12.42	0-1	0
	1	25	12.06	12.24	12.53		0
	1	49	12.02	12.25	12.49		0
	25	0	12.14	12.03	12.04	0-2	0
	25	12	12.12	12.08	12.10		0
	25	25	12.16	12.10	12.18		0
	50	0	12.08	11.95	12.02		0
64QAM	1	0	11.96	12.17	11.92	0-2	0
	1	25	12.03	12.30	11.92		0
	1	49	11.99	12.23	12.05		0
	25	0	12.18	12.00	12.07	0-3	0
	25	12	12.20	12.10	12.12		0
	25	25	12.22	12.12	12.20		0
	50	0	12.17	12.00	12.05		0
256QAM	1	0	12.11	12.05	11.70	0-5	0
	1	25	12.09	12.05	11.76		0
	1	49	12.06	12.12	11.77		0
	25	0	12.16	11.85	11.90		0
	25	12	12.16	11.90	11.88		0
	25	25	12.17	11.96	12.05		0
	50	0	12.07	11.85	11.97		0

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Table 61
LTE Band 25 Measured P_{limit} Ant 2b - 5 MHz Bandwidth

LTE Band 25 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26065 (1852.5 MHz)	26365 (1882.5 MHz)	26665 (1912.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	12.36	11.97	11.96	0	0
	1	12	12.37	12.01	11.95		0
	1	24	12.35	12.07	12.00		0
	12	0	12.32	11.99	12.11	0-1	0
	12	6	12.39	12.10	12.19		0
	12	13	12.40	12.11	12.23		0
	25	0	12.41	12.03	12.16		0
16QAM	1	0	12.54	11.88	12.10	0-1	0
	1	12	12.20	12.01	12.11		0
	1	24	12.23	11.98	12.18		0
	12	0	12.35	11.83	12.01	0-2	0
	12	6	12.43	11.86	12.10		0
	12	13	12.43	11.98	12.07		0
	25	0	12.14	11.89	12.12		0
64QAM	1	0	12.14	12.59	12.27	0-2	0
	1	12	12.11	12.64	12.29		0
	1	24	12.11	12.70	12.30		0
	12	0	12.44	12.16	12.20	0-3	0
	12	6	12.49	12.25	12.28		0
	12	13	12.49	12.30	12.30		0
	25	0	12.46	12.13	12.25		0
256QAM	1	0	12.36	12.08	12.10	0-5	0
	1	12	12.32	12.20	12.16		0
	1	24	12.34	12.16	12.11		0
	12	0	12.14	11.80	11.99		0
	12	6	12.24	11.85	12.07		0
	12	13	12.25	11.99	12.08		0
	25	0	12.14	11.79	12.05		0

Table 62
LTE Band 25 Measured P_{limit} Ant 2b - 3 MHz Bandwidth

LTE Band 25 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26055 (1851.5 MHz)	26365 (1882.5 MHz)	26675 (1913.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	12.25	11.79	11.98	0	0
	1	7	12.24	11.91	12.02		0
	1	14	12.36	11.98	12.07		0
	8	0	12.31	11.98	12.09	0-1	0
	8	4	12.37	12.06	12.25		0
	8	7	12.40	12.12	12.23		0
	15	0	12.38	12.00	12.19	0	
16QAM	1	0	12.21	12.05	12.46	0-1	0
	1	7	12.21	12.10	12.52		0
	1	14	12.28	12.19	12.58		0
	8	0	12.18	11.85	12.12	0-2	0
	8	4	12.26	11.94	12.18		0
	8	7	12.29	12.00	12.14		0
	15	0	12.15	11.89	12.09	0	
64QAM	1	0	12.18	12.20	12.00	0-2	0
	1	7	12.24	12.33	12.06		0
	1	14	12.31	12.35	12.15		0
	8	0	12.40	12.04	12.24	0-3	0
	8	4	12.47	12.15	12.29		0
	8	7	12.47	12.19	12.29		0
	15	0	12.56	12.12	12.23	0	
256QAM	1	0	12.04	11.97	11.85	0-5	0
	1	7	12.11	12.05	11.81		0
	1	14	12.13	12.08	11.82		0
	8	0	12.19	11.72	11.94		0
	8	4	12.21	11.84	12.01		0
	8	7	12.24	11.88	12.03		0
	15	0	12.12	11.83	12.06		0

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Table 63
LTE Band 25 Measured P_{limit} Ant 2b - 1.4 MHz Bandwidth

LTE Band 25 (PCS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26047 (1850.7 MHz)	26365 (1882.5 MHz)	26683 (1914.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	12.15	11.74	12.07	0	0
	1	2	12.25	11.85	12.18		0
	1	5	12.23	11.90	12.19		0
	3	0	12.17	11.84	12.03		0
	3	2	12.26	11.93	12.11		0
	3	3	12.23	11.93	12.03		0
	6	0	12.31	11.95	12.11	0-1	0
16QAM	1	0	12.29	12.11	12.22	0-1	0
	1	2	12.39	12.26	12.32		0
	1	5	12.37	12.31	12.35		0
	3	0	12.45	11.95	12.30		0
	3	2	12.50	11.99	12.38		0
	3	3	12.45	12.02	12.38		0
	6	0	12.25	11.90	12.23	0-2	0
64QAM	1	0	12.14	12.10	12.34	0-2	0
	1	2	12.31	12.18	12.48		0
	1	5	12.18	12.25	12.40		0
	3	0	12.48	12.28	12.38		0
	3	2	12.59	12.34	12.44		0
	3	3	12.57	12.34	12.40		0
	6	0	12.34	12.07	12.02	0-3	0
256QAM	1	0	12.02	11.87	11.97	0-5	0
	1	2	12.17	12.07	11.99		0
	1	5	12.11	12.03	12.05		0
	3	0	11.99	11.78	11.80		0
	3	2	12.09	11.86	11.92		0
	3	3	12.03	11.84	11.92		0
	6	0	12.05	11.98	12.03	0	

Table 64
LTE Band 25 Measured P_{limit} Ant 4b - 15 MHz Bandwidth

LTE Band 25 (PCS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26115 (1857.5 MHz)	26365 (1882.5 MHz)	26615 (1907.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	10.91	10.48	10.59	0	0
	1	36	10.90	10.56	10.68		0
	1	74	10.74	10.48	10.62		0
	36	0	10.95	10.66	10.78	0-1	0
	36	18	10.92	10.74	10.81		0
	36	37	10.83	10.67	10.88		0
	75	0	10.85	10.70	10.74		0
16QAM	1	0	11.22	10.69	11.25	0-1	0
	1	36	11.22	10.77	11.36		0
	1	74	11.10	10.66	11.31		0
	36	0	11.02	10.61	10.76	0-2	0
	36	18	10.98	10.72	10.82		0
	36	37	10.89	10.64	10.88		0
	75	0	10.85	10.74	10.82		0
64QAM	1	0	11.44	10.48	10.53	0-2	0
	1	36	11.48	10.58	10.74		0
	1	74	11.40	10.50	10.68		0
	36	0	10.96	10.76	10.85	0-3	0
	36	18	10.97	10.85	10.86		0
	36	37	10.87	10.79	10.95		0
	75	0	10.87	10.75	10.77		0
256QAM	1	0	11.00	10.67	11.21	0-5	0
	1	36	11.11	10.76	11.35		0
	1	74	10.97	10.73	11.31		0
	36	0	10.99	10.65	10.83		0
	36	18	10.95	10.77	10.88		0
	36	37	10.83	10.68	10.91		0
	75	0	10.95	10.72	10.81		0

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Table 65
LTE Band 25 Measured P_{limit} Ant 4b - 10 MHz Bandwidth

LTE Band 25 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26090 (1855.0 MHz)	26365 (1882.5 MHz)	26640 (1910.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	10.71	10.46	10.65	0	0
	1	25	10.61	10.47	10.61		0
	1	49	10.57	10.47	10.70		0
	25	0	10.87	10.57	10.67	0-1	0
	25	12	10.90	10.66	10.68		0
	25	25	10.85	10.64	10.75		0
	50	0	10.90	10.64	10.70		0
16QAM	1	0	11.19	10.62	11.23	0-1	0
	1	25	11.09	10.61	11.22		0
	1	49	11.07	10.60	11.23		0
	25	0	10.97	10.62	10.73	0-2	0
	25	12	11.01	10.74	10.78		0
	25	25	10.98	10.72	10.88		0
	50	0	10.85	10.64	10.71		0
64QAM	1	0	11.06	10.45	10.61	0-2	0
	1	25	11.05	10.56	10.76		0
	1	49	11.00	10.57	10.75		0
	25	0	10.90	10.65	10.82	0-3	0
	25	12	10.99	10.73	10.83		0
	25	25	10.94	10.80	10.92		0
	50	0	10.94	10.73	10.71		0
256QAM	1	0	10.70	10.66	11.22	0-5	0
	1	25	10.57	10.73	11.27		0
	1	49	10.58	10.61	11.29		0
	25	0	10.95	10.58	10.75		0
	25	12	10.95	10.70	10.77		0
	25	25	10.89	10.65	10.86		0
	50	0	10.88	10.64	10.77		0

Table 66
LTE Band 25 Measured P_{limit} Ant 4b - 5 MHz Bandwidth

LTE Band 25 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26065 (1852.5 MHz)	26365 (1882.5 MHz)	26665 (1912.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	10.85	10.57	10.65	0	0
	1	12	10.80	10.60	10.65		0
	1	24	10.81	10.70	10.69		0
	12	0	10.89	10.55	10.81	0-1	0
	12	6	10.91	10.74	10.86		0
	12	13	10.92	10.76	10.87		0
	25	0	10.89	10.68	10.85		0
16QAM	1	0	10.98	10.97	10.92	0-1	0
	1	12	10.95	11.06	10.90		0
	1	24	10.93	11.07	10.98		0
	12	0	10.84	10.80	10.82	0-2	0
	12	6	10.96	10.86	10.87		0
	12	13	10.97	10.87	10.89		0
	25	0	10.97	10.66	10.91		0
64QAM	1	0	11.44	10.39	10.88	0-2	0
	1	12	11.42	10.47	10.91		0
	1	24	11.41	10.42	10.95		0
	12	0	10.99	10.67	10.84	0-3	0
	12	6	11.06	10.79	10.91		0
	12	13	11.06	10.84	10.94		0
	25	0	10.96	10.77	10.88		0
256QAM	1	0	10.97	10.77	10.82	0-5	0
	1	12	11.01	10.86	10.89		0
	1	24	11.02	10.80	10.84		0
	12	0	10.99	10.62	10.81		0
	12	6	11.00	10.77	10.86		0
	12	13	11.01	10.72	10.87		0
	25	0	10.93	10.72	10.88		0

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Table 67
LTE Band 25 Measured P_{limit} Ant 4b - 3 MHz Bandwidth

LTE Band 25 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26055 (1851.5 MHz)	26365 (1882.5 MHz)	26675 (1913.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	10.68	10.50	10.61	0	0
	1	7	10.76	10.50	10.69		0
	1	14	10.77	10.64	10.72		0
	8	0	10.88	10.60	10.75	0-1	0
	8	4	10.93	10.72	10.87		0
	8	7	10.92	10.67	10.86		0
	15	0	10.90	10.67	10.84		0
16QAM	1	0	11.06	10.67	11.33	0-1	0
	1	7	11.10	10.70	11.31		0
	1	14	11.14	10.78	11.38		0
	8	0	10.93	10.64	10.88	0-2	0
	8	4	11.01	10.72	10.97		0
	8	7	10.99	10.75	10.97		0
	15	0	11.01	10.64	10.89		0
64QAM	1	0	11.08	10.44	10.67	0-2	0
	1	7	11.11	10.50	10.73		0
	1	14	11.14	10.60	10.76		0
	8	0	10.84	10.63	10.88	0-3	0
	8	4	10.95	10.74	10.97		0
	8	7	10.94	10.73	10.93		0
	15	0	10.99	10.82	10.88		0
256QAM	1	0	10.65	10.70	11.27	0-5	0
	1	7	10.63	10.73	11.31		0
	1	14	10.73	10.79	11.35		0
	8	0	10.94	10.56	10.84		0
	8	4	11.04	10.60	10.95		0
	8	7	11.03	10.61	10.96		0
	15	0	10.98	10.69	10.81		0

Table 68
LTE Band 25 Measured P_{limit} Ant 4b - 1.4 MHz Bandwidth

LTE Band 25 (PCS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26047 (1850.7 MHz)	26365 (1882.5 MHz)	26683 (1914.3 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	10.62	10.44	10.77	0	0
	1	2	10.70	10.52	10.89		0
	1	5	10.71	10.54	10.84		0
	3	0	10.71	10.47	10.66		0
	3	2	10.80	10.54	10.75		0
	3	3	10.78	10.55	10.74		0
	6	0	10.85	10.55	10.75	0-1	0
16QAM	1	0	10.97	10.57	10.86	0-1	0
	1	2	11.09	10.67	10.93		0
	1	5	11.10	10.72	10.98		0
	3	0	10.78	10.67	10.97		0
	3	2	10.87	10.78	11.02		0
	3	3	10.86	10.75	11.01		0
	6	0	10.79	10.58	10.89	0-2	0
64QAM	1	0	10.97	10.43	11.00	0-2	0
	1	2	11.03	10.62	11.13		0
	1	5	11.07	10.49	11.04		0
	3	0	11.09	10.77	11.05		0
	3	2	11.17	10.87	11.07		0
	3	3	11.14	10.82	11.08		0
	6	0	10.88	10.61	10.67	0-3	0
256QAM	1	0	10.59	10.65	10.75	0-5	0
	1	2	10.67	10.65	10.88		0
	1	5	10.61	10.72	10.81		0
	3	0	10.81	10.61	10.84		0
	3	2	10.86	10.76	10.91		0
	3	3	10.87	10.64	10.87		0
	6	0	10.90	10.53	10.84		0

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LTE Band 7

Table 69
LTE Band 7 Measured P_{limit} Ant 1 - 15 MHz Bandwidth

LTE Band 7							
15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20825 (2507.5 MHz)	21100 (2535.0 MHz)	21375 (2562.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	10.65	10.59	10.53	0	0
	1	36	10.69	10.64	10.54		0
	1	74	10.59	10.57	10.40		0
	36	0	10.70	10.70	10.67	0-1	0
	36	18	10.68	10.81	10.65		0
	36	37	10.64	10.74	10.69		0
	75	0	10.65	10.73	10.57		0
16QAM	1	0	10.92	10.76	10.99	0-1	0
	1	36	10.98	10.84	10.97		0
	1	74	10.90	10.70	10.87		0
	36	0	10.69	10.68	10.64	0-2	0
	36	18	10.75	10.79	10.71		0
	36	37	10.72	10.73	10.68		0
	75	0	10.68	10.78	10.63		0
64QAM	1	0	11.01	10.56	10.56	0-2	0
	1	36	11.05	10.66	10.60		0
	1	74	10.98	10.58	10.46		0
	36	0	10.75	10.82	10.76	0-3	0
	36	18	10.80	10.97	10.77		0
	36	37	10.70	10.85	10.80		0
	75	0	10.73	10.83	10.62		0
256QAM	1	0	10.80	10.69	10.81	0-5	0
	1	36	10.85	10.82	10.89		0
	1	74	10.83	10.76	10.78		0
	36	0	10.78	10.70	10.71		0
	36	18	10.74	10.80	10.71		0
	36	37	10.70	10.76	10.93		0
	75	0	10.72	10.78	10.65		0

Table 70
LTE Band 7 Measured P_{limit} Ant 1 - 10 MHz Bandwidth

LTE Band 7 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20800 (2505.0 MHz)	21100 (2535.0 MHz)	21400 (2565.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	10.42	10.54	10.54	0	0
	1	25	10.38	10.43	10.47		0
	1	49	10.40	10.52	10.54		0
	25	0	10.67	10.78	10.62	0-1	0
	25	12	10.72	10.78	10.64		0
	25	25	10.64	10.74	10.68		0
16QAM	50	0	10.67	10.74	10.62		0
	1	0	10.95	10.73	10.99	0-1	0
	1	25	10.89	10.68	10.95		0
	1	49	10.87	10.65	10.91		0
	25	0	10.78	10.82	10.75	0-2	0
	25	12	10.88	10.87	10.72		0
64QAM	25	25	10.80	10.81	10.75		0
	50	0	10.71	10.76	10.64	0	
	1	0	10.85	10.52	10.56	0-2	0
	1	25	10.86	10.56	10.60		0
	1	49	10.84	10.60	10.56		0
	25	0	10.79	10.84	10.75	0-3	0
25	12	10.80	10.89	10.77	0		
25	25	10.81	10.87	10.79	0		
256QAM	50	0	10.74	10.84	10.61		0
	1	0	10.49	10.80	10.84	0-5	0
	1	25	10.31	10.72	10.74		0
	1	49	10.41	10.79	10.88		0
	25	0	10.71	10.83	10.71		0
	25	12	10.76	10.86	10.77		0
25	25	10.73	10.75	10.75	0		
	50	0	10.75	10.78	10.72		0

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Table 71
LTE Band 7 Measured P_{limit} Ant 1 - 5 MHz Bandwidth

LTE Band 7 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20775 (2502.5 MHz)	21100 (2535.0 MHz)	21425 (2567.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	10.56	10.64	10.47	0	0
	1	12	10.52	10.72	10.41		0
	1	24	10.57	10.72	10.42		0
	12	0	10.71	10.75	10.69	0-1	0
	12	6	10.68	10.74	10.68		0
	12	13	10.67	10.73	10.65		0
	25	0	10.62	10.73	10.70		0
16QAM	1	0	10.68	11.04	10.83	0-1	0
	1	12	10.67	11.12	10.79		0
	1	24	10.67	11.06	10.77		0
	12	0	10.67	10.96	10.69	0-2	0
	12	6	10.66	11.00	10.69		0
	12	13	10.70	10.96	10.67		0
	25	0	10.74	10.74	10.71		0
64QAM	1	0	11.02	10.40	10.76	0-2	0
	1	12	11.01	10.49	10.71		0
	1	24	11.05	10.45	10.72		0
	12	0	10.83	10.85	10.71	0-3	0
	12	6	10.83	10.84	10.72		0
	12	13	10.80	10.85	10.65		0
	25	0	10.73	10.80	10.70		0
256QAM	1	0	10.79	10.88	10.71	0-5	0
	1	12	10.73	10.84	10.69		0
	1	24	10.78	10.90	10.70		0
	12	0	10.77	10.80	10.71		0
	12	6	10.78	10.81	10.70		0
	12	13	10.75	10.82	10.68		0
	25	0	10.66	10.78	10.74		0

Table 72
LTE Band 7 Measured P_{limit} Ant 3 - 15 MHz Bandwidth

LTE Band 7 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20825 (2507.5 MHz)	21100 (2535.0 MHz)	21375 (2562.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	14.72	14.57	14.51	0	0
	1	36	14.70	14.56	14.49		0
	1	74	14.63	14.61	14.40		0
	36	0	14.72	14.61	14.62	0-1	0
	36	18	14.71	14.73	14.68		0
	36	37	14.69	14.70	14.61		0
	75	0	14.68	14.71	14.64		0
16QAM	1	0	14.70	14.40	14.35	0-1	0
	1	36	14.69	14.42	14.36		0
	1	74	14.68	14.47	14.44		0
	36	0	14.39	14.29	14.30	0-2	0
	36	18	14.43	14.39	14.39		0
	36	37	14.45	14.33	14.36		0
	75	0	14.38	14.39	14.39		0
64QAM	1	0	15.05	14.40	14.19	0-2	0
	1	36	15.12	14.40	14.22		0
	1	74	15.04	14.40	14.13		0
	36	0	14.59	14.55	14.39	0-3	0
	36	18	14.59	14.59	14.40		0
	36	37	14.55	14.51	14.43		0
	75	0	14.53	14.47	14.28		0
256QAM	1	0	14.66	14.39	14.80	0-5	0
	1	36	14.70	14.52	14.92		0
	1	74	14.66	14.42	14.79		0
	36	0	14.60	14.45	14.37		0
	36	18	14.62	14.49	14.35		0
	36	37	14.54	14.41	14.39		0
	75	0	14.56	14.45	14.35		0

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Table 73
LTE Band 7 Measured P_{limit} Ant 3 - 10 MHz Bandwidth

LTE Band 7 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20800 (2505.0 MHz)	21100 (2535.0 MHz)	21400 (2565.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	14.49	14.47	14.43	0	0
	1	25	14.37	14.48	14.43		0
	1	49	14.44	14.49	14.36		0
	25	0	14.69	14.71	14.56	0-1	0
	25	12	14.73	14.74	14.55		0
	25	25	14.68	14.69	14.58		0
	50	0	14.70	14.71	14.57		0
16QAM	1	0	14.63	14.34	14.75	0-1	0
	1	25	14.56	14.39	14.60		0
	1	49	14.56	14.36	14.61		0
	25	0	14.50	14.47	14.33	0-2	0
	25	12	14.55	14.51	14.35		0
	25	25	14.51	14.46	14.38		0
	50	0	14.36	14.44	14.23		0
64QAM	1	0	14.60	14.16	14.12	0-2	0
	1	25	14.59	14.23	14.13		0
	1	49	14.58	14.22	14.12		0
	25	0	14.61	14.52	14.35	0-3	0
	25	12	14.60	14.53	14.42		0
	25	25	14.58	14.49	14.37		0
	50	0	14.48	14.43	14.21		0
256QAM	1	0	14.33	14.43	14.83	0-5	0
	1	25	14.19	14.40	14.79		0
	1	49	14.24	14.43	14.82		0
	25	0	14.57	14.43	14.33		0
	25	12	14.56	14.45	14.39		0
	25	25	14.53	14.45	14.37		0
	50	0	14.55	14.43	14.26		0

Table 74
LTE Band 7 Measured P_{limit} Ant 3 - 5 MHz Bandwidth

LTE Band 7 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20775 (2502.5 MHz)	21100 (2535.0 MHz)	21425 (2567.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	14.58	14.61	14.39	0	0
	1	12	14.51	14.66	14.32		0
	1	24	14.60	14.66	14.33		0
	12	0	14.67	14.67	14.56	0-1	0
	12	6	14.69	14.67	14.57		0
	12	13	14.68	14.67	14.57		0
	25	0	14.67	14.66	14.59		0
16QAM	1	0	14.42	14.75	14.44	0-1	0
	1	12	14.36	14.81	14.38		0
	1	24	14.40	14.80	14.42		0
	12	0	14.36	14.61	14.29	0-2	0
	12	6	14.39	14.62	14.28		0
	12	13	14.38	14.57	14.27		0
	25	0	14.41	14.42	14.37		0
64QAM	1	0	14.95	14.04	14.34	0-2	0
	1	12	14.90	14.11	14.33		0
	1	24	14.93	14.04	14.31		0
	12	0	14.60	14.49	14.35	0-3	0
	12	6	14.58	14.44	14.34		0
	12	13	14.59	14.46	14.32		0
	25	0	14.49	14.41	14.32		0
256QAM	1	0	14.56	14.50	14.35	0-5	0
	1	12	14.48	14.53	14.32		0
	1	24	14.55	14.52	14.32		0
	12	0	14.53	14.44	14.30		0
	12	6	14.53	14.48	14.30		0
	12	13	14.51	14.40	14.35		0
	25	0	14.46	14.45	14.33		0

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Table 75
LTE Band 7 Measured P_{limit} Ant 2b - 15 MHz Bandwidth

LTE Band 7 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20825 (2507.5 MHz)	21100 (2535.0 MHz)	21375 (2562.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	13.20	13.32	13.00	0	0
	1	36	13.28	13.35	13.10		0
	1	74	13.15	13.27	12.94		0
	36	0	13.49	13.41	13.22	0-1	0
	36	18	13.48	13.44	13.29		0
	36	37	13.45	13.34	13.21		0
	75	0	13.48	13.37	13.26		0
16QAM	1	0	13.29	13.02	13.20	0-1	0
	1	36	13.32	13.01	13.21		0
	1	74	13.28	12.91	13.15		0
	36	0	13.42	13.21	13.08	0-2	0
	36	18	13.46	13.25	13.16		0
	36	37	13.40	13.16	13.12		0
	75	0	13.29	13.24	13.11		0
64QAM	1	0	13.24	13.37	12.65	0-2	0
	1	36	13.26	13.33	12.69		0
	1	74	13.15	13.26	12.61		0
	36	0	13.11	12.99	12.76	0-3	0
	36	18	13.17	13.00	12.88		0
	36	37	13.08	12.95	12.81		0
	75	0	13.04	12.94	12.84		0
256QAM	1	0	13.35	13.05	12.74	0-5	0
	1	36	13.45	13.18	12.87		0
	1	74	13.40	13.04	12.76		0
	36	0	13.16	13.08	12.90		0
	36	18	13.17	13.07	12.98		0
	36	37	13.10	13.01	12.92		0
	75	0	13.19	13.00	12.92		0

Table 76
LTE Band 7 Measured P_{limit} Ant 2b - 10 MHz Bandwidth

LTE Band 7 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20800 (2505.0 MHz)	21100 (2535.0 MHz)	21400 (2565.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	13.38	13.09	12.98	0	0
	1	25	13.37	13.08	12.94		0
	1	49	13.38	13.02	12.98		0
	25	0	13.56	13.41	13.18	0-1	0
	25	12	13.54	13.42	13.18		0
	25	25	13.50	13.37	13.23		0
	50	0	13.51	13.36	13.16		0
16QAM	1	0	13.71	12.94	13.10	0-1	0
	1	25	13.68	12.97	13.08		0
	1	49	13.69	12.96	13.05		0
	25	0	13.46	13.31	13.02	0-2	0
	25	12	13.44	13.30	12.98		0
	25	25	13.41	13.32	13.08		0
	50	0	13.36	13.27	13.06		0
64QAM	1	0	13.31	13.34	12.66	0-2	0
	1	25	13.29	13.27	12.68		0
	1	49	13.25	13.33	12.65		0
	25	0	13.09	12.92	12.81	0-3	0
	25	12	13.14	12.92	12.82		0
	25	25	13.11	12.90	12.84		0
	50	0	13.14	12.97	12.69		0
256QAM	1	0	13.57	13.13	12.77	0-5	0
	1	25	13.45	13.13	12.77		0
	1	49	13.58	13.16	12.81		0
	25	0	13.20	13.16	12.79		0
	25	12	13.19	13.19	12.82		0
	25	25	13.13	13.11	12.86		0
	50	0	13.16	12.96	12.84		0

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Table 77
LTE Band 7 Measured P_{limit} Ant 2b - 5 MHz Bandwidth

LTE Band 7 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20775 (2502.5 MHz)	21100 (2535.0 MHz)	21425 (2567.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	13.28	13.19	13.14	0	0
	1	12	13.24	13.14	13.11		0
	1	24	13.29	13.19	13.09		0
	12	0	13.50	13.40	13.22	0-1	0
	12	6	13.48	13.38	13.20		0
	12	13	13.47	13.40	13.25		0
	25	0	13.51	13.41	13.27		0
16QAM	1	0	13.52	13.06	13.41	0-1	0
	1	12	13.44	13.01	13.39		0
	1	24	13.46	13.06	13.35		0
	12	0	13.45	13.29	13.16	0-2	0
	12	6	13.47	13.28	13.16		0
	12	13	13.43	13.31	13.17		0
	25	0	13.29	13.29	13.07		0
64QAM	1	0	13.39	13.16	12.99	0-2	0
	1	12	13.34	13.14	12.95		0
	1	24	13.44	13.13	12.96		0
	12	0	13.17	13.04	12.85	0-3	0
	12	6	13.14	13.03	12.87		0
	12	13	13.13	13.01	12.86		0
	25	0	12.98	12.89	12.83		0
256QAM	1	0	13.56	13.31	13.51	0-5	0
	1	12	13.43	13.26	13.42		0
	1	24	13.50	13.30	13.50		0
	12	0	13.09	12.99	12.91		0
	12	6	13.04	13.03	12.91		0
	12	13	13.08	12.96	12.90		0
	25	0	13.08	12.96	12.93		0

Table 78
LTE Band 7 Measured P_{limit} Ant 4b - 15 MHz Bandwidth

LTE Band 7 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20825 (2507.5 MHz)	21100 (2535.0 MHz)	21375 (2562.5 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	11.22	11.16	11.15	0	0
	1	36	11.27	11.21	11.15		0
	1	74	11.19	11.17	10.99		0
	36	0	11.28	11.37	11.28	0-1	0
	36	18	11.27	11.37	11.33		0
	36	37	11.24	11.33	11.26		0
	75	0	11.21	11.36	11.15		0
16QAM	1	0	11.07	10.89	11.34	0-1	0
	1	36	11.10	10.94	11.31		0
	1	74	11.04	10.89	11.23		0
	36	0	10.82	10.85	10.78	0-2	0
	36	18	10.85	10.90	10.89		0
	36	37	10.79	10.84	10.79		0
	75	0	10.77	10.90	10.78		0
64QAM	1	0	11.35	10.67	10.65	0-2	0
	1	36	11.19	10.80	10.68		0
	1	74	11.15	10.69	10.55		0
	36	0	10.88	11.02	10.93	0-3	0
	36	18	10.89	11.05	10.98		0
	36	37	10.84	11.00	10.88		0
	75	0	10.83	10.96	10.78		0
256QAM	1	0	10.91	10.80	11.32	0-5	0
	1	36	10.98	10.98	11.38		0
	1	74	10.97	10.87	11.28		0
	36	0	10.88	10.90	10.86		0
	36	18	10.89	10.95	10.93		0
	36	37	10.85	10.85	10.85		0
	75	0	10.92	10.91	10.83		0

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Table 79
LTE Band 7 Measured P_{limit} Ant 4b - 10 MHz Bandwidth

LTE Band 7 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20800 (2505.0 MHz)	21100 (2535.0 MHz)	21400 (2565.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	10.98	11.11	11.14	0	0
	1	25	10.98	11.07	11.10		0
	1	49	10.97	11.15	11.15		0
	25	0	11.28	11.34	11.27	0-1	0
	25	12	11.29	11.40	11.27		0
	25	25	11.24	11.34	11.27		0
	50	0	11.28	11.37	11.25		0
16QAM	1	0	11.03	10.84	11.25	0-1	0
	1	25	11.00	10.84	11.20		0
	1	49	10.98	10.79	11.21		0
	25	0	10.87	10.96	10.90	0-2	0
	25	12	10.94	10.94	10.86		0
	25	25	10.89	10.87	10.85		0
	50	0	10.78	10.89	10.73		0
64QAM	1	0	11.01	10.64	10.68	0-2	0
	1	25	10.94	10.72	10.67		0
	1	49	11.01	10.73	10.70		0
	25	0	10.89	11.02	10.87	0-3	0
	25	12	10.94	11.02	10.91		0
	25	25	10.91	11.00	10.90		0
	50	0	10.82	10.92	10.79		0
256QAM	1	0	10.73	10.89	11.35	0-5	0
	1	25	10.75	10.84	11.32		0
	1	49	10.81	10.87	11.28		0
	25	0	10.86	10.92	10.84		0
	25	12	10.83	10.94	10.85		0
	25	25	10.87	10.90	10.89		0
	50	0	10.82	10.88	10.84		0

Table 80
LTE Band 7 Measured P_{limit} Ant 4b - 5 MHz Bandwidth

LTE Band 7 5 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			20775 (2502.5 MHz)	21100 (2535.0 MHz)	21425 (2567.5 MHz)			
			Conducted Power [dBm]					
QPSK	1	0	11.17	11.28	11.08	0	0	
	1	12	11.14	11.28	11.03		0	
	1	24	11.13	11.29	11.01		0	
	12	0	11.27	11.36	11.28	0-1	0	
	12	6	11.28	11.37	11.25		0	
	12	13	11.24	11.35	11.27		0	
16QAM	25	0	11.24	11.34	11.33	0-1	0	
	1	0	10.81	11.23	10.90		0	
	1	12	10.76	11.20	10.86		0	
	1	24	10.79	11.19	10.93	0-2	0	
	12	0	10.80	11.08	10.82		0	
	12	6	10.77	11.07	10.83		0	
64QAM	12	13	10.76	11.04	10.77	0-2	0	
	25	0	10.78	10.86	10.88		0	
	1	0	11.23	10.60	10.86		0-2	0
	1	12	11.25	10.60	10.81	0		
	1	24	11.12	10.52	10.82	0-3		0
	12	0	10.91	11.00	10.84		0	
12	6	10.97	10.98	10.82	0			
256QAM	12	13	10.92	10.94	10.84	0-3	0	
	25	0	10.85	10.93	10.83		0	
	1	0	10.90	11.06	10.88		0-5	0
	1	12	10.79	10.98	10.77			0
	1	24	10.89	11.01	10.80			0
	12	0	10.87	10.95	10.82			0
	12	6	10.87	10.96	10.81			0
12	13	10.88	10.90	10.83	0			
25	0	10.77	10.92	10.85	0			

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LTE Band 30

Table 81
LTE Band 30 Conducted Measured P_{limit} Ant 1 - 5 MHz Bandwidth

LTE Band 30 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			27710 (2310.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	12.37	0	0
	1	12	12.48		0
	1	24	12.56		0
	12	0	12.65	0-1	0
	12	6	12.70		0
	12	13	12.75		0
	25	0	12.75		0
16QAM	1	0	12.52	0-1	0
	1	12	12.62		0
	1	24	12.68		0
	12	0	12.51	0-2	0
	12	6	12.52		0
	12	13	12.56		0
	25	0	12.55		0
64QAM	1	0	12.47	0-2	0
	1	12	12.58		0
	1	24	12.65		0
	12	0	12.50	0-3	0
	12	6	12.58		0
	12	13	12.60		0
	25	0	12.51		0
256QAM	1	0	12.37	0-5	0
	1	12	12.55		0
	1	24	12.53		0
	12	0	12.44		0
	12	6	12.54		0
	12	13	12.50		0
	25	0	12.51		0

Note: LTE Band 30 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

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Table 82
LTE Band 30 Measured P_{limit} Ant 3 - 5 MHz Bandwidth

LTE Band 30 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			27710 (2310.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	14.15	0	0
	1	12	14.18		0
	1	24	14.24		0
	12	0	14.37	0-1	0
	12	6	14.38		0
	12	13	14.36		0
	25	0	14.41		0
16QAM	1	0	14.28	0-1	0
	1	12	14.32		0
	1	24	14.39		0
	12	0	14.11	0-2	0
	12	6	14.15		0
	12	13	14.15		0
	25	0	14.15		0
64QAM	1	0	14.10	0-2	0
	1	12	14.18		0
	1	24	14.26		0
	12	0	14.20	0-3	0
	12	6	14.26		0
	12	13	14.23		0
	25	0	14.13		0
256QAM	1	0	14.14	0-5	0
	1	12	14.22		0
	1	24	14.25		0
	12	0	14.56		0
	12	6	14.64		0
	12	13	14.60		0
	25	0	14.63		0

Note: LTE Band 30 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

Table 83
LTE Band 30 Measured P_{limit} Ant 2b - 5 MHz Bandwidth

LTE Band 30 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			27710 (2310.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	13.19	0	0
	1	12	13.23		0
	1	24	13.26		0
	12	0	13.36	0-1	0
	12	6	13.41		0
	12	13	13.42		0
	25	0	13.44		0
16QAM	1	0	13.45	0-1	0
	1	12	13.53		0
	1	24	13.58		0
	12	0	13.41	0-2	0
	12	6	13.48		0
	12	13	13.46		0
	25	0	13.48		0
64QAM	1	0	13.40	0-2	0
	1	12	13.55		0
	1	24	13.56		0
	12	0	13.41	0-3	0
	12	6	13.48		0
	12	13	13.42		0
	25	0	13.45		0
256QAM	1	0	13.58	0-5	0
	1	12	13.68		0
	1	24	13.65		0
	12	0	13.23		0
	12	6	13.22		0
	12	13	13.15		0
	25	0	13.18		0

Note: LTE Band 30 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

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Table 84
LTE Band 30 Measured P_{limit} Ant 4b - 5 MHz Bandwidth

LTE Band 30 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			27710 (2310.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	11.62	0	0
	1	12	11.69		0
	1	24	11.66		0
	12	0	11.84	0-1	0
	12	6	11.94		0
	12	13	11.91		0
	25	0	11.90		0
16QAM	1	0	11.35	0-1	0
	1	12	11.28		0
	1	24	11.30		0
	12	0	11.12	0-2	0
	12	6	11.25		0
	12	13	11.20		0
	25	0	11.20		0
64QAM	1	0	11.36	0-2	0
	1	12	11.45		0
	1	24	11.40		0
	12	0	11.32	0-3	0
	12	6	11.49		0
	12	13	11.41		0
	25	0	11.33		0
256QAM	1	0	11.35	0-5	0
	1	12	11.40		0
	1	24	11.32		0
	12	0	11.15		0
	12	6	11.25		0
	12	13	11.25		0
	25	0	11.18		0

Note: LTE Band 30 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

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LTE Band 41

Table 85
LTE Band 41 Measured P_{limit} Ant 1 - 15 MHz Bandwidth

LTE Band 41 15 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	12.74	12.79	12.66	12.64	12.69	0	0
	1	36	12.73	12.79	12.65	12.66	12.68		0
	1	74	12.66	12.78	12.66	12.70	12.69		0
	36	0	12.82	12.82	12.77	12.73	12.75	0-1	0
	36	18	12.87	12.87	12.79	12.73	12.76		0
	36	37	12.88	12.82	12.75	12.76	12.78		0
	75	0	12.83	12.85	12.78	12.69	12.71		0
16QAM	1	0	12.34	12.64	12.33	12.57	12.31	0-1	0
	1	36	12.32	12.65	12.29	12.62	12.32		0
	1	74	12.30	12.65	12.29	12.63	12.34		0
	36	0	12.61	12.50	12.52	12.38	12.52	0-2	0
	36	18	12.67	12.61	12.58	12.40	12.51		0
	36	37	12.63	12.55	12.58	12.42	12.55		0
	75	0	12.62	12.52	12.52	12.39	12.43		0
64QAM	1	0	12.23	12.20	12.08	12.39	12.16	0-2	0
	1	36	12.18	12.23	12.19	12.51	12.17		0
	1	74	12.18	12.34	12.24	12.47	12.23		0
	36	0	12.63	12.55	12.54	12.35	12.55	0-3	0
	36	18	12.70	12.57	12.61	12.39	12.57		0
	36	37	12.64	12.52	12.56	12.44	12.60		0
	75	0	12.63	12.57	12.54	12.48	12.50		0
256QAM	1	0	12.56	12.66	12.43	12.38	12.44	0-5	0
	1	36	12.63	12.74	12.49	12.49	12.54		0
	1	74	12.59	12.73	12.53	12.48	12.62		0
	36	0	12.60	12.52	12.48	12.36	12.49		0
	36	18	12.67	12.59	12.55	12.37	12.49		0
	36	37	12.59	12.54	12.47	12.43	12.56		0
	75	0	12.61	12.61	12.52	12.34	12.52		0

Table 86
LTE Band 41 Measured P_{limit} Ant 1 - 10 MHz Bandwidth

LTE Band 41 10 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	12.97	12.90	12.89	12.71	12.77	0	0
	1	25	12.91	12.91	12.83	12.75	12.87		0
	1	49	12.96	12.83	12.83	12.71	12.90		0
	25	0	12.90	12.88	12.83	12.71	12.76	0-1	0
	25	12	12.94	12.88	12.85	12.78	12.79		0
	25	25	12.91	12.85	12.83	12.80	12.82		0
	50	0	12.90	12.89	12.86	12.75	12.77		0
16QAM	1	0	12.41	12.78	12.39	12.77	12.33	0-1	0
	1	25	12.39	12.75	12.34	12.69	12.38		0
	1	49	12.37	12.75	12.27	12.78	12.32		0
	25	0	12.65	12.59	12.54	12.42	12.48	0-2	0
	25	12	12.70	12.58	12.56	12.46	12.55		0
	25	25	12.65	12.56	12.53	12.47	12.58		0
	50	0	12.62	12.57	12.51	12.46	12.49		0
64QAM	1	0	12.61	12.39	12.45	12.46	12.50	0-2	0
	1	25	12.67	12.40	12.56	12.50	12.60		0
	1	49	12.67	12.41	12.56	12.51	12.56		0
	25	0	12.66	12.67	12.61	12.47	12.56	0-3	0
	25	12	12.75	12.68	12.58	12.46	12.58		0
	25	25	12.69	12.69	12.55	12.49	12.62		0
	50	0	12.67	12.67	12.57	12.52	12.52		0
256QAM	1	0	12.72	12.74	12.61	12.48	12.64	0-5	0
	1	25	12.66	12.80	12.62	12.57	12.65		0
	1	49	12.70	12.69	12.65	12.53	12.73		0
	25	0	12.52	12.62	12.48	12.26	12.51		0
	25	12	12.61	12.69	12.53	12.35	12.49		0
	25	25	12.61	12.62	12.55	12.41	12.57		0
	50	0	12.63	12.68	12.56	12.42	12.53		0

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Table 87
LTE Band 41 Measured P_{limit} Ant 1 - 5 MHz Bandwidth

LTE Band 41 5 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	12.92	12.85	12.78	12.68	12.82	0	0
	1	12	12.87	12.82	12.84	12.79	12.77		0
	1	24	12.94	12.82	12.84	12.73	12.86		0
	12	0	12.82	12.85	12.89	12.79	12.77	0-1	0
	12	6	12.92	12.93	12.85	12.81	12.79		0
	12	13	12.91	12.88	12.81	12.81	12.83		0
	25	0	12.88	12.91	12.82	12.81	12.80		0
16QAM	1	0	12.67	12.60	12.59	12.21	12.41	0-1	0
	1	12	12.66	12.29	12.66	12.26	12.68		0
	1	24	12.65	12.28	12.59	12.29	12.60		0
	12	0	12.67	12.64	12.66	12.56	12.60	0-2	0
	12	6	12.71	12.70	12.64	12.58	12.62		0
	12	13	12.70	12.68	12.66	12.63	12.63		0
	25	0	12.58	12.59	12.54	12.54	12.46		0
64QAM	1	0	12.95	12.62	12.87	12.62	12.42	0-2	0
	1	12	12.98	12.56	12.93	12.61	12.91		0
	1	24	13.01	12.56	12.93	12.60	12.90		0
	12	0	12.64	12.66	12.60	12.48	12.51	0-3	0
	12	6	12.70	12.73	12.60	12.54	12.54		0
	12	13	12.66	12.69	12.56	12.56	12.60		0
	25	0	12.54	12.61	12.54	12.49	12.45		0
256QAM	1	0	12.83	12.58	12.84	12.51	12.48	0-5	0
	1	12	12.80	12.47	12.82	12.49	12.91		0
	1	24	12.91	12.47	12.86	12.52	12.87		0
	12	0	12.50	12.55	12.46	12.38	12.41		0
	12	6	12.55	12.60	12.49	12.42	12.52		0
	12	13	12.52	12.59	12.46	12.41	12.50		0
	25	0	12.56	12.60	12.51	12.40	12.46		0

Table 88
LTE Band 41 Measured P_{limit} Ant 3 - 15 MHz Bandwidth

LTE Band 41 15 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	13.15	13.18	13.02	13.18	12.98	0	0
	1	36	13.25	13.20	13.08	13.19	13.03		0
	1	74	13.16	13.19	13.10	13.17	13.02		0
	36	0	13.33	13.22	13.16	13.18	13.01	0-1	0
	36	18	13.40	13.29	13.22	13.24	13.04		0
	36	37	13.34	13.25	13.19	13.21	13.10		0
	75	0	13.35	13.23	13.19	13.23	13.01		0
16QAM	1	0	13.36	13.31	13.22	13.27	13.13	0-1	0
	1	36	13.42	13.32	13.30	13.30	13.14		0
	1	74	13.31	13.30	13.28	13.29	13.17		0
	36	0	13.34	13.28	13.17	13.19	13.11	0-2	0
	36	18	13.45	13.31	13.29	13.29	13.09		0
	36	37	13.41	13.29	13.24	13.25	13.12		0
	75	0	13.39	13.32	13.28	13.31	13.10		0
64QAM	1	0	13.32	13.19	13.15	13.28	13.00	0-2	0
	1	36	13.39	13.23	13.20	13.22	12.88		0
	1	74	13.32	13.24	13.26	13.25	12.70		0
	36	0	13.31	13.22	13.16	13.26	13.11	0-3	0
	36	18	13.39	13.27	13.22	13.26	13.12		0
	36	37	13.36	13.23	13.23	13.23	13.17		0
	75	0	13.35	13.26	13.21	13.21	13.07		0
256QAM	1	0	12.86	12.74	13.10	12.77	12.61	0-5	0
	1	36	12.92	12.80	13.23	12.79	12.71		0
	1	74	12.94	12.81	13.29	12.81	12.76		0
	36	0	13.36	13.25	13.12	13.27	13.11		0
	36	18	13.44	13.33	13.24	13.28	13.13		0
	36	37	13.37	13.28	13.19	13.24	13.18		0
	75	0	13.43	13.31	13.21	13.26	13.13		0

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Table 89
LTE Band 41 Measured P_{limit} Ant 3 - 10 MHz Bandwidth

LTE Band 41 10 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	13.38	13.26	13.26	13.10	13.09	0	0
	1	25	13.34	13.24	13.29	13.12	13.03		0
	1	49	13.32	13.17	13.27	13.06	13.01		0
	25	0	13.27	13.25	13.22	13.12	12.97	0-1	0
	25	12	13.36	13.26	13.25	13.22	12.98		0
	25	25	13.36	13.21	13.24	13.15	13.02		0
16QAM	50	0	13.28	13.23	13.28	13.21	12.96	0-1	0
	1	0	13.19	13.25	13.06	13.43	12.84		0
	1	25	13.18	13.24	13.10	12.80	12.87		0
	1	49	13.07	13.26	13.01	13.44	12.76	0-2	0
	25	0	13.29	13.26	13.26	13.09	12.93		0
	25	12	13.36	13.33	13.15	13.18	12.96		0
64QAM	25	25	13.39	13.21	13.22	13.15	13.04	0-2	0
	50	0	13.34	13.24	13.25	13.15	12.98		0
	1	0	13.30	13.26	13.15	13.32	13.07		0-3
	1	25	13.30	13.25	13.20	13.24	12.80	0	
	1	49	13.32	13.26	13.22	13.25	12.80	0	
	25	0	13.22	13.02	13.16	13.13	12.93	0-5	0
256QAM	25	12	13.24	13.20	13.15	13.13	12.89		0
	25	25	13.26	13.12	13.15	13.11	12.96		0
	50	0	13.24	13.17	13.21	13.16	12.94	0-5	0
	1	0	13.11	12.91	13.01	13.19	12.95		0
	1	25	13.13	12.86	13.05	13.19	12.94		0
	1	49	13.13	12.80	13.12	13.18	12.98		0
25	0	13.22	13.16	13.25	13.02	13.00	0		
25	12	13.26	13.22	13.22	13.08	13.02	0		
25	25	13.25	13.16	13.22	12.92	13.04	0		
50	0	13.31	13.25	13.24	13.02	12.98	0		

Table 90
LTE Band 41 Measured P_{limit} Ant 3 - 5 MHz Bandwidth

LTE Band 41 5 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	13.32	13.22	13.17	13.04	13.04	0	0
	1	12	13.35	13.15	13.23	13.09	13.11		0
	1	24	13.32	13.18	13.19	13.04	13.07		0
	12	0	13.31	13.23	13.25	13.16	13.04	0-1	0
	12	6	13.34	13.24	13.26	13.21	13.13		0
	12	13	13.32	13.21	13.20	13.18	13.08		0
16QAM	25	0	13.30	13.22	13.21	13.18	13.02	0-1	0
	1	0	13.29	13.33	13.14	12.75	13.05		0
	1	12	13.37	13.30	13.33	12.73	13.16		0
	1	24	13.31	13.29	13.21	12.70	13.07	0-2	0
	12	0	13.42	13.21	13.33	13.12	13.13		0
	12	6	13.47	13.19	13.31	13.15	13.15		0
64QAM	12	13	13.39	13.19	13.31	13.13	13.12	0-2	0
	25	0	13.38	13.16	13.25	13.21	13.03		0
	1	0	13.34	12.89	13.26	13.20	12.80		0-2
	1	12	13.28	12.93	13.26	13.11	12.81	0	
	1	24	13.39	12.92	13.29	13.10	12.81	0	
	256QAM	12	0	13.34	13.08	13.22	13.16	13.07	0-3
12		6	13.32	13.09	13.26	13.19	13.18	0	
12		13	13.33	13.06	13.22	13.18	13.17	0	
25		0	13.20	13.15	13.13	13.08	12.99	0-5	0
1		0	13.26	12.70	13.52	13.24	13.07		0
1		12	13.31	12.77	13.55	13.17	13.15		0
256QAM	1	24	13.32	12.76	13.59	13.20	13.14	0-5	0
	12	0	13.15	13.16	13.04	13.05	12.90		0
	12	6	13.13	13.21	13.08	13.06	13.00		0
	12	13	13.13	13.14	13.04	13.06	12.98	0	
	25	0	13.20	13.14	13.11	13.13	13.01	0	

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Table 91
LTE Band 41 Measured P_{limit} Ant 2b - 15 MHz Bandwidth

LTE Band 41 15 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	14.46	14.65	14.39	14.67	14.50	0	0
	1	36	14.57	14.64	14.47	14.77	14.57		0
	1	74	14.49	14.66	14.49	14.73	14.61		0
	36	0	14.77	14.71	14.58	14.78	14.68	0-1	0
	36	18	14.76	14.80	14.68	14.79	14.71		0
	36	37	14.72	14.74	14.61	14.83	14.76		0
	75	0	14.75	14.72	14.63	14.75	14.66		0
16QAM	1	0	14.77	14.56	14.79	14.61	14.83	0-1	0
	1	36	14.84	14.53	14.83	14.65	14.90		0
	1	74	14.74	14.45	14.77	14.66	14.90		0
	36	0	14.65	14.69	14.53	14.89	14.68	0-2	0
	36	18	14.73	14.76	14.63	14.91	14.74		0
	36	37	14.70	14.70	14.58	14.86	14.74		0
	75	0	14.74	14.71	14.59	14.80	14.73		0
64QAM	1	0	15.08	14.29	14.75	14.82	15.18	0-2	0
	1	36	15.10	14.35	14.77	14.86	15.19		0
	1	74	15.11	14.29	14.78	14.88	15.24		0
	36	0	14.67	14.75	14.58	14.86	14.76	0-3	0
	36	18	14.72	14.81	14.62	14.86	14.74		0
	36	37	14.73	14.74	14.65	14.86	14.73		0
	75	0	14.71	14.72	14.61	14.85	14.76		0
256QAM	1	0	14.39	14.27	14.31	14.64	14.44	0-5	0
	1	36	14.39	14.27	14.44	14.66	14.53		0
	1	74	14.52	14.14	14.42	14.72	14.60		0
	36	0	14.62	14.73	14.52	14.88	14.67		0
	36	18	14.69	14.76	14.65	14.88	14.72		0
	36	37	14.67	14.72	14.59	14.82	14.72		0
	75	0	14.69	14.70	14.60	14.84	14.73		0

Table 92
LTE Band 41 Measured P_{limit} Ant 2b - 10 MHz Bandwidth

LTE Band 41 10 MHz Bandwidth										
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)			
			Conducted Power [dBm]							
QPSK	1	0	14.58	14.73	14.56	14.67	14.60	0	0	
	1	25	14.57	14.72	14.38	14.66	14.59		0	
	1	49	14.59	14.67	14.46	14.63	14.50		0	
	25	0	14.81	14.72	14.72	14.80	14.72	0-1	0	
	25	12	14.82	14.83	14.75	14.78	14.70		0	
	25	25	14.81	14.77	14.66	14.84	14.78		0	
	50	0	14.78	14.81	14.67	14.76	14.68		0	
16QAM	1	0	14.91	14.57	14.86	14.62	14.86	0-1	0	
	1	25	14.88	14.51	14.78	14.56	14.83		0	
	1	49	14.81	14.41	14.78	14.62	14.91		0	
	25	0	14.74	14.60	14.58	14.77	14.80	0-2	0	
	25	12	14.79	14.73	14.67	14.83	14.79		0	
	25	25	14.80	14.66	14.69	14.83	14.80		0	
	50	0	14.82	14.68	14.70	14.83	14.79		0	
	64QAM	1	0	15.19	14.36	14.79	14.65	15.19	0-2	0
		1	25	15.12	14.41	14.75	14.71	15.14		0
		1	49	15.24	14.29	14.71	14.71	15.23		0
25		0	14.67	14.65	14.51	14.74	14.71	0-3	0	
25		12	14.73	14.78	14.58	14.79	14.74		0	
25		25	14.72	14.72	14.58	14.71	14.69		0	
50		0	14.76	14.69	14.63	14.78	14.74		0	
256QAM	1	0	14.56	14.33	14.49	14.81	14.67	0-5	0	
	1	25	14.62	14.33	14.56	14.75	14.70		0	
	1	49	14.62	14.21	14.59	14.71	14.68		0	
	25	0	14.72	14.73	14.62	14.82	14.81		0	
	25	12	14.81	14.79	14.74	14.87	14.83		0	
	25	25	14.77	14.71	14.70	14.82	14.81		0	
	50	0	14.73	14.82	14.63	14.83	14.76		0	

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Table 93
LTE Band 41 Measured P_{limit} Ant 2b - 5 MHz Bandwidth

LTE Band 41 5 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	14.53	14.63	14.43	14.74	14.49	0	0
	1	12	14.63	14.68	14.57	14.83	14.64		0
	1	24	14.56	14.65	14.53	14.80	14.52		0
	12	0	14.77	14.79	14.68	14.77	14.65	0-1	0
	12	6	14.78	14.86	14.75	14.90	14.69		0
	12	13	14.73	14.78	14.71	14.82	14.77		0
	25	0	14.75	14.76	14.70	14.81	14.68		0
16QAM	1	0	14.39	14.64	14.31	14.71	14.43	0-1	0
	1	12	14.43	14.62	14.37	14.75	14.45		0
	1	24	14.44	14.65	14.39	14.73	14.44		0
	12	0	14.66	14.71	14.66	14.80	14.71	0-2	0
	12	6	14.76	14.74	14.66	14.86	14.74		0
	12	13	14.70	14.68	14.66	14.78	14.72		0
	25	0	14.82	14.75	14.73	14.78	14.83		0
64QAM	1	0	15.11	14.46	14.77	15.04	15.17	0-2	0
	1	12	15.19	14.57	14.78	15.06	15.19		0
	1	24	15.21	14.55	14.75	15.00	15.19		0
	12	0	14.61	14.75	14.66	14.89	14.71	0-3	0
	12	6	14.71	14.77	14.68	14.92	14.76		0
	12	13	14.73	14.72	14.62	14.92	14.73		0
	25	0	14.70	14.76	14.66	14.70	14.69		0
256QAM	1	0	14.66	14.67	14.58	14.96	14.70	0-5	0
	1	12	14.68	14.72	14.67	14.88	14.71		0
	1	24	14.69	14.67	14.65	14.93	14.69		0
	12	0	14.71	14.76	14.76	14.80	14.78		0
	12	6	14.79	14.79	14.81	14.81	14.84		0
	12	13	14.76	14.76	14.76	14.78	14.80		0
	25	0	14.71	14.77	14.68	14.72	14.71		0

Table 94
LTE Band 41 Measured P_{limit} Ant 4b - 15 MHz Bandwidth

LTE Band 41 15 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	13.09	13.12	12.89	13.09	13.00	0	0
	1	36	13.12	13.10	12.95	13.07	13.08		0
	1	74	13.05	13.07	12.97	13.09	13.13		0
	36	0	13.05	13.03	12.96	13.16	13.10	0-1	0
	36	18	13.15	13.04	13.08	13.13	13.12		0
	36	37	13.07	13.01	13.01	13.16	13.19		0
	75	0	13.06	13.02	13.01	13.11	13.08		0
16QAM	1	0	13.33	13.31	13.39	13.62	13.54	0-1	0
	1	36	13.39	13.29	13.46	13.42	13.57		0
	1	74	13.36	13.25	13.51	13.59	13.60		0
	36	0	13.07	13.03	13.03	13.16	13.17	0-2	0
	36	18	13.16	13.09	13.08	13.16	13.16		0
	36	37	13.13	13.04	13.10	13.17	13.21		0
	75	0	13.05	13.01	13.05	13.09	13.10		0
64QAM	1	0	13.47	13.10	13.39	13.08	13.27	0-2	0
	1	36	13.40	13.08	13.40	13.02	13.30		0
	1	74	13.41	13.05	13.56	13.05	13.46		0
	36	0	13.04	13.04	13.02	13.10	13.04	0-3	0
	36	18	13.10	13.01	13.02	13.09	13.02		0
	36	37	13.10	13.00	12.99	13.10	13.08		0
	75	0	13.07	12.99	13.03	13.07	13.12		0
256QAM	1	0	13.48	13.27	13.06	13.30	13.27	0-5	0
	1	36	13.43	13.14	13.16	13.22	13.32		0
	1	74	13.55	13.19	13.28	13.30	13.42		0
	36	0	13.06	13.06	12.97	13.11	12.99		0
	36	18	13.15	13.03	12.99	13.10	13.02		0
	36	37	13.08	12.93	12.98	13.13	13.09		0
	75	0	13.08	12.99	12.97	13.12	13.09		0

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Table 95
LTE Band 41 Measured P_{limit} Ant 4b - 10 MHz Bandwidth

LTE Band 41 10 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	13.11	13.07	13.05	13.22	13.12	0	0
	1	25	13.03	13.08	12.99	13.11	13.13		0
	1	49	13.09	12.98	13.05	13.15	13.20		0
	25	0	13.05	13.15	13.07	13.20	13.10	0-1	0
	25	12	13.16	13.11	13.13	13.12	13.17		0
	25	25	13.12	13.05	13.06	13.20	13.22		0
	50	0	13.11	13.09	13.09	13.17	13.13		0
16QAM	1	0	13.20	13.45	13.15	13.63	13.43	0-1	0
	1	25	13.23	13.42	13.16	13.52	13.48		0
	1	49	13.24	13.34	13.18	13.54	13.51		0
	25	0	12.95	12.95	12.99	13.06	13.01	0-2	0
	25	12	13.06	12.99	13.02	13.07	13.05		0
	25	25	13.01	12.92	12.98	13.11	13.05		0
	50	0	12.96	12.94	12.93	13.02	12.96		0
64QAM	1	0	13.16	13.05	13.12	13.05	13.30	0-2	0
	1	25	13.21	13.03	13.22	13.08	13.26		0
	1	49	13.26	13.04	13.21	13.10	13.33		0
	25	0	12.86	13.04	12.85	13.04	13.03	0-3	0
	25	12	12.98	12.97	12.85	13.04	13.06		0
	25	25	12.95	12.94	12.91	13.10	13.12		0
	50	0	12.91	12.98	12.88	13.04	13.04		0
256QAM	1	0	13.33	13.16	13.26	13.50	13.40	0-5	0
	1	25	13.41	13.16	13.37	13.52	13.51		0
	1	49	13.34	13.16	13.45	13.52	13.47		0
	25	0	13.09	13.08	13.03	13.07	13.09		0
	25	12	13.08	13.07	13.07	13.08	13.17		0
	25	25	13.09	13.03	13.02	13.11	13.18		0
	50	0	13.10	13.12	13.06	13.13	13.20		0

Table 96
LTE Band 41 Measured P_{limit} Ant 4b - 5 MHz Bandwidth

LTE Band 41 5 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	12.95	13.02	12.88	13.13	13.14	0	0
	1	12	12.93	12.95	12.87	13.14	13.16		0
	1	24	13.01	12.95	12.93	13.12	13.21		0
	12	0	13.11	13.07	13.06	13.16	13.18	0-1	0
	12	6	13.14	13.07	13.08	13.23	13.18		0
	12	13	13.15	13.07	13.06	13.23	13.22		0
	25	0	13.10	13.09	13.08	13.16	13.14		0
16QAM	1	0	13.41	13.45	13.57	13.29	13.59	0-1	0
	1	12	13.45	13.43	13.57	13.33	13.62		0
	1	24	13.46	13.40	13.65	13.32	13.69		0
	12	0	13.04	12.98	12.97	13.09	13.06	0-2	0
	12	6	13.01	12.98	13.01	13.19	13.11		0
	12	13	13.03	12.92	12.99	13.14	13.14		0
	25	0	13.00	12.90	12.90	13.00	12.96		0
64QAM	1	0	13.44	13.05	13.10	13.08	13.22	0-2	0
	1	12	13.51	13.06	13.02	13.04	13.27		0
	1	24	13.52	13.01	13.13	13.06	13.26		0
	12	0	13.07	13.06	13.07	13.02	12.98	0-3	0
	12	6	13.09	13.04	13.06	13.10	13.00		0
	12	13	13.07	13.03	13.02	13.03	13.06		0
	25	0	12.95	12.92	12.91	13.06	12.99		0
256QAM	1	0	13.47	13.27	13.30	13.34	13.35	0-5	0
	1	12	13.45	13.22	13.28	13.33	13.30		0
	1	24	13.47	13.23	13.33	13.35	13.31		0
	12	0	13.05	13.04	12.98	13.11	13.08		0
	12	6	13.08	13.07	12.98	13.15	13.10		0
	12	13	13.00	13.02	12.99	13.19	13.06		0
	25	0	13.09	13.02	13.06	13.13	13.12		0

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LTE Band 48

Table 97
LTE Band 48 Measured P_{limit} Ant 1 - 15 MHz Bandwidth

LTE Band 48 15 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55315 (3557.5 MHz)	55765 (3602.5 MHz)	56215 (3647.5 MHz)	56665 (3692.5 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	12.69	12.70	12.89	12.71	0	0
	1	36	12.77	12.69	12.91	12.75		0
	1	74	12.82	12.69	12.92	12.83		0
	36	0	12.89	12.72	13.11	12.83	0-1	0
	36	18	12.94	12.76	13.07	12.85		0
	36	37	12.93	12.75	13.03	12.90		0
	75	0	12.94	12.73	13.03	12.82		0
16QAM	1	0	12.45	12.79	13.02	12.44	0-1	0
	1	36	12.52	12.74	13.03	12.50		0
	1	74	12.55	12.74	13.01	12.56		0
	36	0	12.85	12.75	13.12	12.83	0-2	0
	36	18	12.97	12.79	13.11	12.86		0
	36	37	12.95	12.74	13.08	12.92		0
	75	0	12.92	12.72	13.09	12.78		0
64QAM	1	0	13.05	12.39	13.09	13.04	0-2	0
	1	36	13.11	12.49	13.18	13.03		0
	1	74	13.18	12.54	13.13	13.21		0
	36	0	12.91	12.77	13.02	12.94	0-3	0
	36	18	12.99	12.81	13.10	12.94		0
	36	37	12.95	12.78	13.04	12.98		0
	75	0	12.94	12.78	13.11	12.86		0
256QAM	1	0	12.17	12.01	12.05	12.15	0-5	1
	1	36	12.15	12.02	11.56	12.08		1
	1	74	12.07	12.05	11.98	12.16		1
	36	0	11.56	11.98	12.08	12.09		1
	36	18	11.56	11.89	12.01	11.56		1
	36	37	11.56	12.11	12.09	12.05		1
	75	0	12.01	12.07	12.05	11.56		1

Table 98
LTE Band 48 Measured P_{limit} Ant 1 - 10 MHz Bandwidth

LTE Band 48 10 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55290 (3555.0 MHz)	55757 (3601.7 MHz)	56223 (3648.3 MHz)	56690 (3695.0 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	12.95	12.76	12.98	12.88	0	0
	1	25	12.98	12.74	12.97	12.88		0
	1	49	12.99	12.69	12.93	13.02		0
	25	0	12.91	12.71	13.06	12.82	0-1	0
	25	12	12.93	12.80	13.08	12.95		0
	25	25	12.95	12.76	13.03	12.92		0
	50	0	12.93	12.77	13.09	12.83		0
16QAM	1	0	12.53	12.87	13.15	12.80	0-1	0
	1	25	12.55	12.73	13.07	12.71		0
	1	49	12.55	12.82	13.13	12.96		0
	25	0	12.97	12.77	13.13	12.91	0-2	0
	25	12	13.02	12.81	13.15	13.03		0
	25	25	12.97	12.80	13.13	13.03		0
	50	0	12.98	12.82	13.09	12.90		0
64QAM	1	0	12.90	12.65	13.05	12.92	0-2	0
	1	25	12.88	12.55	13.17	13.01		0
	1	49	12.96	12.55	13.17	12.97		0
	25	0	12.94	12.70	13.02	12.85	0-3	0
	25	12	12.92	12.79	13.04	12.88		0
	25	25	12.88	12.75	13.09	12.95		0
	50	0	12.94	12.77	13.05	12.89		0
256QAM	1	0	11.87	11.58	11.91	11.81	0-5	1
	1	25	11.76	11.55	11.86	11.79		1
	1	49	11.87	11.73	11.87	11.87		1
	25	0	12.00	11.76	11.89	11.90		1
	25	12	11.99	11.85	11.87	11.94		1
	25	25	11.96	11.76	12.01	12.02		1
	50	0	11.98	11.86	12.03	11.95		1

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Table 99
LTE Band 48 Measured P_{limit} Ant 1 - 5 MHz Bandwidth

LTE Band 48 5 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55265 (3552.5 MHz)	55748 (3600.8 MHz)	56232 (3649.2 MHz)	56715 (3697.5 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	12.94	12.73	12.94	13.01	0	0
	1	12	12.86	12.71	12.89	12.86		0
	1	24	12.96	12.73	12.92	13.06		0
	12	0	12.93	12.71	13.08	12.94	0-1	0
	12	6	12.91	12.78	13.03	12.97		0
	12	13	12.92	12.73	13.02	12.99		0
	25	0	12.95	12.78	13.07	12.95		0
16QAM	1	0	12.60	12.95	13.27	13.01	0-1	0
	1	12	12.60	12.88	13.18	12.88		0
	1	24	12.60	12.95	13.26	13.02		0
	12	0	12.94	12.75	13.12	13.02	0-2	0
	12	6	12.92	12.79	13.07	13.02		0
	12	13	12.93	12.79	13.07	13.01		0
	25	0	12.92	12.73	13.04	12.94		0
64QAM	1	0	13.10	12.55	13.09	13.18	0-2	0
	1	12	12.99	12.53	13.06	13.10		0
	1	24	13.08	12.57	13.13	13.22		0
	12	0	12.98	12.72	13.10	13.09	0-3	0
	12	6	13.00	12.69	13.11	13.06		0
	12	13	13.00	12.68	13.14	13.08		0
	25	0	12.92	12.80	12.99	13.02		0
256QAM	1	0	12.10	11.63	11.87	11.58	0-5	1
	1	12	12.10	11.65	11.91	11.61		1
	1	24	12.05	11.68	11.85	11.81		1
	12	0	12.01	11.79	11.86	11.34		1
	12	6	11.81	11.79	11.71	11.81		1
	12	13	11.83	11.68	11.95	11.67		1
	25	0	11.93	11.80	11.87	11.59		1

Table 100
LTE Band 48 Measured P_{limit} Ant 3 - 15 MHz Bandwidth

LTE Band 48 15 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55315 (3557.5 MHz)	55765 (3602.5 MHz)	56215 (3647.5 MHz)	56665 (3692.5 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	11.48	11.66	11.73	11.75	0	0
	1	36	11.50	11.56	11.69	11.73		0
	1	74	11.48	11.58	11.72	11.72		0
	36	0	11.55	11.62	11.78	11.80	0-1	0
	36	18	11.50	11.69	11.82	11.90		0
	36	37	11.47	11.66	11.77	11.86		0
	75	0	11.48	11.62	11.77	11.73		0
16QAM	1	0	11.41	11.59	11.74	11.74	0-1	0
	1	36	11.47	11.58	11.79	11.75		0
	1	74	11.43	11.65	11.78	11.74		0
	36	0	11.68	11.62	11.77	11.92	0-2	0
	36	18	11.60	11.63	11.78	11.99		0
	36	37	11.57	11.61	11.74	11.96		0
	75	0	11.46	11.63	11.75	11.75		0
64QAM	1	0	11.55	11.13	11.82	11.98	0-2	0
	1	36	11.68	11.15	11.83	11.88		0
	1	74	11.61	11.20	11.86	11.81		0
	36	0	11.55	11.22	11.80	11.87	0-3	0
	36	18	11.54	11.33	11.81	11.84		0
	36	37	11.51	11.31	11.78	11.89		0
	75	0	11.55	11.30	11.75	11.78		0
256QAM	1	0	11.56	11.15	11.23	11.38	0-5	0
	1	36	11.60	11.18	11.32	11.46		0
	1	74	11.70	11.21	11.32	11.44		0
	36	0	11.58	11.64	11.75	11.87		0
	36	18	11.61	11.69	11.78	11.92		0
	36	37	11.56	11.63	11.80	11.88		0
	75	0	11.60	11.67	11.73	11.87		0

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Table 101
LTE Band 48 Measured P_{limit} Ant 3 - 10 MHz Bandwidth

LTE Band 48 10 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55290 (3555.0 MHz)	55757 (3601.7 MHz)	56223 (3648.3 MHz)	56690 (3695.0 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	11.49	11.72	11.73	12.03	0	0
	1	25	11.48	11.61	11.71	11.94		0
	1	49	11.52	11.70	11.75	11.95		0
	25	0	11.59	11.70	11.88	11.92	0-1	0
	25	12	11.66	11.73	11.87	11.80		0
	25	25	11.60	11.70	11.82	11.80		0
	50	0	11.64	11.71	11.87	11.96	0	
16QAM	1	0	11.47	11.77	11.91	11.82	0-1	0
	1	25	11.42	11.74	11.83	11.74		0
	1	49	11.49	11.80	11.92	11.81		0
	25	0	11.68	11.75	11.83	11.97	0-2	0
	25	12	11.67	11.73	11.89	12.01		0
	25	25	11.70	11.78	11.83	11.98		0
	50	0	11.72	11.81	11.82	11.96	0	
64QAM	1	0	11.83	11.53	11.87	11.81	0-2	0
	1	25	11.75	11.30	11.73	11.76		0
	1	49	11.85	11.40	11.83	11.68		0
	25	0	11.69	11.53	11.87	11.98	0-3	0
	25	12	11.69	11.60	11.88	12.04		0
	25	25	11.68	11.60	11.88	11.98		0
	50	0	11.72	11.60	11.88	12.05	0	
256QAM	1	0	11.82	11.86	11.89	12.04	0-5	0
	1	25	11.71	11.77	11.94	12.04		0
	1	49	11.83	11.87	11.98	12.07		0
	25	0	11.64	11.65	11.59	11.86		0
	25	12	11.61	11.71	11.77	11.86		0
	25	25	11.53	11.65	11.79	11.91		0
	50	0	11.66	11.75	11.83	11.95		0

Table 102
LTE Band 48 Measured P_{limit} Ant 3 - 5 MHz Bandwidth

LTE Band 48 5 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55265 (3552.5 MHz)	55748 (3600.8 MHz)	56232 (3649.2 MHz)	56715 (3697.5 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	11.66	11.75	11.86	12.01	0	0
	1	12	11.56	11.59	11.76	11.87		0
	1	24	11.68	11.74	11.87	11.99		0
	12	0	11.63	11.69	11.79	11.90	0-1	0
	12	6	11.59	11.68	11.84	11.94		0
	12	13	11.59	11.69	11.85	11.62		0
	25	0	11.67	11.69	11.82	11.62	0	
16QAM	1	0	11.26	11.75	11.84	11.57	0-1	0
	1	12	11.15	11.76	11.88	11.48		0
	1	24	11.23	11.70	11.86	11.56		0
	12	0	11.57	11.83	11.77	11.94	0-2	0
	12	6	11.61	11.84	11.96	11.94		0
	12	13	11.63	11.85	11.97	11.95		0
	25	0	11.67	11.77	11.84	11.99	0	
64QAM	1	0	11.73	11.43	11.63	12.05	0-2	0
	1	12	11.67	11.40	11.66	11.99		0
	1	24	11.76	11.45	11.60	12.07		0
	12	0	11.70	11.79	11.95	12.08	0-3	0
	12	6	11.75	11.60	11.92	12.04		0
	12	13	11.76	11.50	11.93	12.04		0
	25	0	11.63	11.56	11.89	11.94	0	
256QAM	1	0	11.77	11.82	11.94	12.09	0-5	0
	1	12	11.70	11.74	11.84	11.99		0
	1	24	11.77	11.79	11.95	12.07		0
	12	0	11.59	11.62	11.75	11.94		0
	12	6	11.61	11.67	11.81	11.91		0
	12	13	11.63	11.67	11.78	11.90		0
	25	0	11.65	11.73	11.90	12.04		0

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Table 103
LTE Band 48 Measured P_{limit} Ant 2a - 15 MHz Bandwidth

LTE Band 48 15 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55315 (3557.5 MHz)	55765 (3602.5 MHz)	56215 (3647.5 MHz)	56665 (3692.5 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	13.59	13.52	13.54	13.50	0	0
	1	36	13.60	13.57	13.51	13.44		0
	1	74	13.59	13.54	13.54	13.43		0
	36	0	13.70	13.68	13.60	13.61	0-1	0
	36	18	13.73	13.63	13.64	13.60		0
	36	37	13.62	13.59	13.59	13.53		0
	75	0	13.67	13.57	13.56	13.55		0
16QAM	1	0	13.61	13.68	13.61	13.66	0-1	0
	1	36	13.56	13.70	13.61	13.59		0
	1	74	13.55	13.72	13.63	13.58		0
	36	0	13.54	13.42	13.31	13.31	0-2	0
	36	18	13.48	13.36	13.32	13.30		0
	36	37	13.41	13.36	13.31	13.26		0
	75	0	13.51	13.37	13.35	13.35		0
64QAM	1	0	13.49	13.39	13.37	13.37	0-2	0
	1	36	13.48	13.38	13.21	13.46		0
	1	74	13.38	13.41	13.20	13.38		0
	36	0	13.52	13.51	13.32	13.33	0-3	0
	36	18	13.50	13.44	13.38	13.39		0
	36	37	13.52	13.43	13.35	13.33		0
	75	0	13.36	13.44	13.40	13.39		0
256QAM	1	0	13.67	13.52	13.41	13.34	0-5	0
	1	36	13.64	13.51	13.42	13.34		0
	1	74	13.60	13.45	13.43	13.30		0
	36	0	13.69	13.53	13.35	13.31		0
	36	18	13.69	13.48	13.42	13.38		0
	36	37	13.56	13.46	13.40	13.33		0
	75	0	13.55	13.48	13.42	13.35		0

Table 104
LTE Band 48 Measured P_{limit} Ant 2a - 10 MHz Bandwidth

LTE Band 48 10 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55290 (3555.0 MHz)	55757 (3601.7 MHz)	56223 (3648.3 MHz)	56690 (3695.0 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	13.59	13.59	13.38	13.60	0	0
	1	25	13.50	13.56	13.34	13.60		0
	1	49	13.54	13.59	13.36	13.64		0
	25	0	13.63	13.66	13.47	13.52	0-1	0
	25	12	13.64	13.65	13.50	13.62		0
	25	25	13.59	13.60	13.45	13.55		0
	50	0	13.55	13.64	13.46	13.49		0
16QAM	1	0	13.60	13.56	13.50	13.47	0-1	0
	1	25	13.58	13.47	13.41	13.38		0
	1	49	13.61	13.60	13.49	13.41		0
	25	0	13.28	13.26	13.17	13.17	0-2	0
	25	12	13.26	13.27	13.17	13.18		0
	25	25	13.23	13.17	13.16	13.15		0
	50	0	13.19	13.19	13.10	13.12		0
64QAM	1	0	13.55	13.42	13.26	13.24	0-2	0
	1	25	13.44	13.35	13.24	13.22		0
	1	49	13.50	13.31	13.27	13.21		0
	25	0	13.38	13.28	13.10	13.12	0-3	0
	25	12	13.41	13.26	13.10	13.13		0
	25	25	13.38	13.22	13.16	13.19		0
	50	0	13.41	13.22	13.10	13.14		0
256QAM	1	0	13.63	13.64	13.60	13.28	0-5	0
	1	25	13.54	13.65	13.58	13.29		0
	1	49	13.60	13.65	13.64	13.27		0
	25	0	13.74	13.55	13.36	13.40		0
	25	12	13.70	13.55	13.39	13.44		0
	25	25	13.68	13.39	13.43	13.47		0
	50	0	13.73	13.54	13.42	13.43		0

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Table 105
LTE Band 48 Measured P_{limit} Ant 2a - 5 MHz Bandwidth

LTE Band 48 5 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			55265 (3552.5 MHz)	55748 (3600.8 MHz)	56232 (3649.2 MHz)	56715 (3697.5 MHz)			
			Conducted Power [dBm]						
QPSK	1	0	13.47	13.41	13.46	13.49	0	0	
	1	12	13.49	13.35	13.32	13.34		0	
	1	24	13.51	13.37	13.43	13.46		0	
	12	0	13.62	13.45	13.44	13.36	0-1	0	
	12	6	13.60	13.49	13.43	13.37		0	
	12	13	13.61	13.49	13.47	13.42		0	
16QAM	25	0	13.61	13.48	13.46	13.35	0	0	
	1	0	13.29	13.37	13.02	13.17		0-1	0
	1	12	13.16	13.26	12.88	13.04			0
	1	24	13.26	13.27	12.98	12.96	0-2		0
	12	0	13.67	13.53	13.37	13.36		0	
	12	6	13.69	13.52	13.38	13.34		0	
64QAM	12	13	13.65	13.51	13.39	13.34	0-2	0	
	25	0	13.70	13.52	13.45	13.38		0	
	1	0	13.71	13.64	13.41	13.44	0-2	0	
	1	12	13.59	13.52	13.34	13.34		0	
	1	24	13.67	13.63	13.33	13.41		0-3	0
	12	0	13.73	13.55	13.45	13.41	0		
12	6	13.71	13.58	13.47	13.44	0			
256QAM	12	13	13.70	13.59	13.42	13.42	0-3	0	
	25	0	13.56	13.46	13.30	13.33		0	
	1	0	13.68	13.51	13.40	13.42		0	
	1	12	13.63	13.42	13.32	13.33	0-5	0	
	1	24	13.65	13.52	13.43	13.36		0	
	12	0	13.55	13.35	13.22	13.23		0	
12	6	13.51	13.31	13.28	13.20	0			
12	13	13.52	13.32	13.27	13.21	0			
	25	0	13.56	13.44	13.31	13.30	0		

Table 106
LTE Band 48 Measured P_{limit} Ant 4a - 15 MHz Bandwidth

LTE Band 48 15 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55315 (3557.5 MHz)	55765 (3602.5 MHz)	56215 (3647.5 MHz)	56665 (3692.5 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	12.83	12.72	12.68	12.81	0	0
	1	36	12.84	12.73	12.70	12.81		0
	1	74	12.85	12.73	12.72	12.80		0
	36	0	12.92	12.78	12.70	12.83	0-1	0
	36	18	12.88	12.83	12.73	12.84		0
	36	37	12.86	12.73	12.77	12.87		0
	75	0	12.81	12.78	12.69	12.77		0
16QAM	1	0	12.65	12.56	12.50	12.41	0-1	0
	1	36	12.67	12.59	12.53	12.40		0
	1	74	12.69	12.57	12.52	12.38		0
	36	0	12.70	12.59	12.45	12.36	0-2	0
	36	18	12.63	12.57	12.45	12.32		0
	36	37	12.62	12.46	12.49	12.37		0
	75	0	12.63	12.61	12.46	12.35		0
64QAM	1	0	12.40	12.43	12.39	12.40	0-2	0
	1	36	12.51	12.41	12.46	12.44		0
	1	74	12.45	12.32	12.44	12.47		0
	36	0	12.41	12.32	12.30	12.40	0-3	0
	36	18	12.40	12.37	12.35	12.36		0
	36	37	12.34	12.24	12.39	12.42		0
	75	0	12.40	12.40	12.32	12.34		0
256QAM	1	0	12.44	12.39	12.29	12.03	0-5	0
	1	36	12.44	12.34	12.27	12.00		0
	1	74	12.48	12.41	12.35	12.09		0
	36	0	12.46	12.35	12.31	12.36		0
	36	18	12.46	12.39	12.27	12.40		0
	36	37	12.44	12.33	12.31	12.41		0
	75	0	12.43	12.36	12.28	12.34		0

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Table 107
LTE Band 48 Measured P_{limit} Ant 4a - 10 MHz Bandwidth

LTE Band 48 10 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55290 (3555.0 MHz)	55757 (3601.7 MHz)	56223 (3648.3 MHz)	56690 (3695.0 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	12.88	12.75	12.73	12.78	0	0
	1	25	12.84	12.74	12.72	12.79		0
	1	49	12.85	12.78	12.78	12.79		0
	25	0	12.87	12.79	12.73	12.77	0-1	0
	25	12	12.88	12.83	12.80	12.85		0
	25	25	12.80	12.80	12.76	12.80		0
	50	0	12.83	12.79	12.71	12.75		0
16QAM	1	0	12.69	12.09	12.71	12.20	0-1	0
	1	25	12.67	12.15	12.82	12.18		0
	1	49	12.58	12.15	12.76	12.15		0
	25	0	12.77	12.60	12.76	12.52	0-2	0
	25	12	12.72	12.65	12.79	12.55		0
	25	25	12.64	12.53	12.78	12.51		0
	50	0	12.70	12.55	12.76	12.54		0
64QAM	1	0	12.66	12.56	12.49	12.53	0-2	0
	1	25	12.66	12.44	12.48	12.49		0
	1	49	12.62	12.49	12.56	12.53		0
	25	0	12.53	12.38	12.33	12.37	0-3	0
	25	12	12.54	12.40	12.45	12.46		0
	25	25	12.43	12.38	12.38	12.43		0
	50	0	12.43	12.39	12.35	12.36		0
256QAM	1	0	12.20	12.55	12.49	12.55	0-5	0
	1	25	12.13	12.46	12.48	12.50		0
	1	49	12.20	12.51	12.57	12.54		0
	25	0	12.59	12.34	12.29	12.37		0
	25	12	12.62	12.33	12.32	12.34		0
	25	25	12.59	12.33	12.38	12.35		0
	50	0	12.67	12.42	12.37	12.40		0

Table 108
LTE Band 48 Measured P_{limit} Ant 4a - 5 MHz Bandwidth

LTE Band 48 5 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55265 (3552.5 MHz)	55748 (3600.8 MHz)	56232 (3649.2 MHz)	56715 (3697.5 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	12.93	12.86	12.88	12.93	0	0
	1	12	12.83	12.76	12.78	12.82		0
	1	24	12.94	12.88	12.89	12.94		0
	12	0	12.91	12.84	12.82	12.89	0-1	0
	12	6	12.93	12.85	12.85	12.92		0
	12	13	12.92	12.81	12.88	12.93		0
	25	0	12.95	12.87	12.83	12.90		0
16QAM	1	0	12.69	12.09	12.71	12.20	0-1	0
	1	12	12.67	12.15	12.82	12.18		0
	1	24	12.58	12.15	12.76	12.15		0
	12	0	12.77	12.60	12.76	12.52	0-2	0
	12	6	12.72	12.65	12.79	12.55		0
	12	13	12.64	12.53	12.78	12.51		0
	25	0	12.70	12.55	12.76	12.54		0
64QAM	1	0	12.34	12.45	12.48	12.57	0-2	0
	1	12	12.26	12.34	12.41	12.49		0
	1	24	12.35	12.42	12.47	12.57		0
	12	0	12.44	12.45	12.49	12.51	0-3	0
	12	6	12.44	12.42	12.50	12.47		0
	12	13	12.47	12.44	12.51	12.47		0
	25	0	12.54	12.32	12.38	12.42		0
256QAM	1	0	12.26	12.52	12.51	12.69	0-5	0
	1	12	12.20	12.45	12.43	12.52		0
	1	24	12.28	12.49	12.56	12.65		0
	12	0	12.62	12.31	12.29	12.37		0
	12	6	12.59	12.35	12.35	12.32		0
	12	13	12.60	12.37	12.35	12.33		0
	25	0	12.62	12.41	12.47	12.37		0

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1.2 NR Lower Bandwidth RF Conducted Powers

1.2.1 NR Band n71

Table 109
NR Band n71 Measured P_{limit} Ant 1 - 15 MHz Bandwidth

NR Band n71 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			136100 (680.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM $\pi/2$ BPSK	1	1	19.62	0	0.0
	1	40	19.80		0.0
	1	77	19.63		0.0
	36	0	19.78	0-0.5	0.0
	36	22	19.78	0	0.0
	36	43	19.55	0-0.5	0.0
	75	0	19.84		0.0
DFT-s-OFDM QPSK	1	1	19.56	0	0.0
	1	40	19.78		0.0
	1	77	19.71		0.0
	36	0	19.75	0-1	0.0
	36	22	19.81	0	0.0
	36	43	19.79	0-1	0.0
	75	0	19.87		0.0
DFT-s-OFDM 16QAM	1	1	19.76	0-1	0.0
CP-OFDM QPSK	1	1	19.71	0-1.5	0.0

Table 110
NR Band n71 Measured P_{limit} Ant 1 - 10 MHz Bandwidth

NR Band n71 10 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	133600 (668 MHz)	136100 (680.5 MHz)	138600 (693 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	20.04	19.71	19.80	0	0.0
	1	26	19.88	19.79	19.80		0.0
	1	50	19.68	19.71	19.71		0.0
	25	0	19.83	19.71	19.74	0-0.5	0.0
	25	14	19.70	19.75	19.65	0	0.0
	25	27	19.56	19.55	19.72	0-0.5	0.0
	50	0	19.65	19.83	19.79		0.0
DFT-s-OFDM QPSK	1	1	19.76	19.99	19.95	0	0.0
	1	26	19.63	19.83	19.96		0.0
	1	50	19.64	19.70	19.77		0.0
	25	0	19.76	19.78	19.77	0-1	0.0
	25	14	19.79	19.83	19.69	0	0.0
	25	27	19.63	19.78	19.70	0-1	0.0
	50	0	19.83	19.82	19.82		0.0
DFT-s-OFDM 16QAM	1	1	19.94	19.85	19.87	0-1	0.0
CP-OFDM QPSK	1	1	19.66	19.76	19.70	0-1.5	0.0

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Table 111
NR Band n71 Measured P_{limit} Ant 1 - 5 MHz Bandwidth

NR Band n71 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	133100 (665.5 MHz)	136100 (680.5 MHz)	139100 (695.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	19.91	19.72	19.56	0	0.0
	1	13	19.70	19.82	19.67		0.0
	1	23	19.54	19.61	19.53		0.0
	12	0	19.75	19.85	19.81	0-0.5	0.0
	12	7	19.63	19.77	19.57	0	0.0
	12	13	19.62	19.55	19.62	0-0.5	0.0
	25	0	19.71	19.81	19.59		0.0
DFT-s-OFDM QPSK	1	1	19.85	19.79	19.92	0	0.0
	1	13	19.73	19.81	19.72		0.0
	1	23	19.72	19.76	19.54		0.0
	12	0	19.72	19.87	19.71	0-1	0.0
	12	7	19.77	19.80	19.61	0	0.0
	12	13	19.72	19.83	19.62	0-1	0.0
	25	0	19.77	19.87	19.57		0.0
DFT-s-OFDM 16QAM	1	1	19.65	19.79	19.50	0-1	0.0
CP-OFDM QPSK	1	1	20.08	19.83	19.80	0-1.5	0.0

Table 112
NR Band n71 Measured P_{limit} Ant 3 - 15 MHz Bandwidth

NR Band n71 15 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			136100 (680.5 MHz)			
			Conducted Power [dBm]			
DFT-s-OFDM $\pi/2$ BPSK	1	1	19.22	0	0.0	
	1	40	19.13		0.0	
	1	77	19.32		0.0	
	36	0	19.26	0-0.5	0.0	
	36	22	19.28	0	0.0	
	36	43	19.22	0-0.5	0.0	
	75	0	19.34		0.0	
DFT-s-OFDM QPSK	1	1	19.48	0	0.0	
	1	40	19.21		0.0	
	1	77	19.32		0.0	
	36	0	19.31	0-1	0.0	
	36	22	19.32	0	0.0	
	36	43	19.23	0-1	0.0	
	75	0	19.36		0.0	
DFT-s-OFDM 16QAM	1	1	19.32	0-1	0.0	
CP-OFDM QPSK	1	1	19.38	0-1.5	0.0	

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Table 113
NR Band n71 Measured P_{limit} Ant 3 - 10 MHz Bandwidth

NR Band n71 10 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	133600 (668 MHz)	136100 (680.5 MHz)	138600 (693 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	19.39	19.27	19.28	0	0.0
	1	26	19.32	19.19	19.20		0.0
	1	50	19.21	19.23	19.13		0.0
	25	0	19.39	19.28	19.17	0-0.5	0.0
	25	14	19.31	19.17	19.12	0	0.0
	25	27	19.27	19.23	19.11	0-0.5	0.0
	50	0	19.39	19.21	19.15		0.0
DFT-s-OFDM QPSK	1	1	19.49	19.24	19.31	0	0.0
	1	26	19.42	19.27	19.21		0.0
	1	50	19.34	19.28	19.17		0.0
	25	0	19.42	19.26	19.18	0-1	0.0
	25	14	19.34	19.24	19.13	0	0.0
	25	27	19.24	19.21	19.06	0-1	0.0
	50	0	19.35	19.25	19.14		0.0
DFT-s-OFDM 16QAM	1	1	19.57	19.46	19.37	0-1	0.0
CP-OFDM QPSK	1	1	18.81	18.93	18.97	0-1.5	0.0

Table 114
NR Band n71 Measured P_{limit} Ant 3 - 5 MHz Bandwidth

NR Band n71 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	133100 (665.5 MHz)	136100 (680.5 MHz)	139100 (695.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	19.28	19.18	19.24	0	0.0
	1	13	19.37	19.23	19.16		0.0
	1	23	19.17	19.21	19.13		0.0
	12	0	19.32	19.22	19.15	0-0.5	0.0
	12	7	19.40	19.25	19.16	0	0.0
	12	13	19.35	19.16	19.04	0-0.5	0.0
	25	0	19.26	19.13	18.97		0.0
DFT-s-OFDM QPSK	1	1	19.44	19.43	19.35	0	0.0
	1	13	19.32	19.34	19.31		0.0
	1	23	19.27	19.38	19.17		0.0
	12	0	19.38	19.27	19.19	0-1	0.0
	12	7	19.32	19.21	19.09	0	0.0
	12	13	19.28	19.17	19.02	0-1	0.0
	25	0	19.33	19.15	19.07		0.0
DFT-s-OFDM 16QAM	1	1	19.36	19.31	19.20	0-1	0.0
CP-OFDM QPSK	1	1	19.17	19.12	19.13	0-1.5	0.0

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1.2.2

NR Band n12

Table 115
NR Band n12 Measured P_{limit} Ant 1 - 10 MHz Bandwidth

NR Band n12 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			141500 (707.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM $\pi/2$ BPSK	1	1	19.35	0	0.0
	1	26	19.26		0.0
	1	50	19.22		0.0
	25	0	19.24	0-0.5	0.0
	25	14	19.16	0	0.0
	25	27	19.14	0-0.5	0.0
	50	0	19.12		0.0
DFT-s-OFDM QPSK	1	1	19.30	0	0.0
	1	26	19.21		0.0
	1	50	19.18		0.0
	25	0	19.30	0-1	0.0
	25	14	19.21	0	0.0
	25	27	19.13	0-1	0.0
	50	0	19.18		0.0
DFT-s-OFDM 16QAM	1	1	19.27	0-1	0.0
CP-OFDM QPSK	1	1	19.26	0-1.5	0.0

Table 116
NR Band n12 Measured P_{limit} Ant 1 - 5 MHz Bandwidth

NR Band n12 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	140300 (701.5 MHz)	141500 (707.5 MHz)	142700 (713.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	19.24	19.08	19.08	0	0.0
	1	13	19.07	19.06	18.88		0.0
	1	23	18.99	18.78	18.99		0.0
	12	0	19.09	18.95	18.91	0-0.5	0.0
	12	7	19.11	19.00	18.86	0	0.0
	12	13	18.96	18.94	18.81	0-0.5	0.0
	25	0	19.00	18.91	18.84		0.0
DFT-s-OFDM QPSK	1	1	19.01	18.97	18.92	0	0.0
	1	13	18.97	18.89	18.69		0.0
	1	23	18.83	18.82	18.78		0.0
	12	0	19.03	19.10	18.91	0-1	0.0
	12	7	19.01	19.04	18.87	0	0.0
	12	13	18.98	18.95	18.86	0-1	0.0
	25	0	19.01	18.98	18.89		0.0
DFT-s-OFDM 16QAM	1	1	18.96	18.97	18.80	0-1	0.0
CP-OFDM QPSK	1	1	19.17	18.96	18.90	0-1.5	0.0

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Table 117
NR Band n12 Measured P_{limit} Ant 3 - 10 MHz Bandwidth

NR Band n12 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			141500 (707.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM $\pi/2$ BPSK	1	1	18.29	0	0.0
	1	26	18.21		0.0
	1	50	18.16		0.0
	25	0	18.32	0-0.5	0.0
	25	14	18.27	0	0.0
	25	27	18.23	0-0.5	0.0
	50	0	18.26		0.0
DFT-s-OFDM QPSK	1	1	18.35	0	0.0
	1	26	18.17		0.0
	1	50	18.25		0.0
	25	0	18.41	0-1	0.0
	25	14	18.30	0	0.0
	25	27	18.22	0-1	0.0
	50	0	18.31		0.0
DFT-s-OFDM 16QAM	1	1	18.43	0-1	0.0
CP-OFDM QPSK	1	1	18.09	0-1.5	0.0

Table 118
NR Band n12 Measured P_{limit} Ant 3 - 5 MHz Bandwidth

NR Band n12 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	140300 (701.5 MHz)	141500 (707.5 MHz)	142700 (713.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	18.33	18.36	18.41	0	0.0
	1	13	18.14	18.44	18.30		0.0
	1	23	18.25	18.32	18.24		0.0
	12	0	18.39	18.39	18.21	0-0.5	0.0
	12	7	18.28	18.21	18.18	0	0.0
	12	13	18.29	18.24	18.11	0-0.5	0.0
	25	0	18.24	18.25	18.10		0.0
DFT-s-OFDM QPSK	1	1	18.43	18.18	18.30	0	0.0
	1	13	18.38	18.14	18.15		0.0
	1	23	18.25	18.23	18.21		0.0
	12	0	18.25	18.20	18.23	0-1	0.0
	12	7	18.28	18.26	18.19	0	0.0
	12	13	18.26	18.29	18.13	0-1	0.0
	25	0	18.34	18.30	18.20		0.0
DFT-s-OFDM 16QAM	1	1	18.46	18.39	18.47	0-1	0.0
CP-OFDM QPSK	1	1	18.28	18.27	18.11	0-1.5	0.0

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1.2.3

NR Band n5

Table 119
NR Band n5 Measured P_{limit} Ant 1 - 15 MHz Bandwidth

NR Band n5 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			167300 (836.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM $\pi/2$ BPSK	1	1	18.18	0	0.0
	1	40	18.05		0.0
	1	77	18.07		0.0
	36	0	18.01	0-0.5	0.0
	36	22	17.95	0	0.0
	36	43	17.90		0.0
	75	0	17.95		0.0
DFT-s-OFDM QPSK	1	1	18.11	0	0.0
	1	40	18.01		0.0
	1	77	17.90		0.0
	36	0	18.12	0-1	0.0
	36	22	17.99	0	0.0
	36	43	17.96		0.0
	75	0	18.01		0.0
DFT-s-OFDM 16QAM	1	1	18.04	0-1	0.0
CP-OFDM QPSK	1	1	18.04	0-1.5	0.0

Table 120
NR Band n5 Measured P_{limit} Ant 1 - 10 MHz Bandwidth

NR Band n5 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			167300 (836.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM $\pi/2$ BPSK	1	1	17.97	0	0.0
	1	26	18.13		0.0
	1	50	18.34		0.0
	25	0	17.92	0-0.5	0.0
	25	14	17.83	0	0.0
	25	27	17.89		0.0
	50	0	17.81		0.0
DFT-s-OFDM QPSK	1	1	17.96	0	0.0
	1	26	17.80		0.0
	1	50	17.81		0.0
	25	0	17.91	0-1	0.0
	25	14	17.87	0	0.0
	25	27	17.88		0.0
	50	0	17.93		0.0
DFT-s-OFDM 16QAM	1	1	17.78	0-1	0.0
CP-OFDM QPSK	1	1	17.87	0-1.5	0.0

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Table 121
NR Band n5 Measured P_{limit} Ant 1 - 5 MHz Bandwidth

NR Band n5 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	165300 (826.5 MHz)	167300 (836.5 MHz)	169300 (846.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	18.20	18.01	17.91	0	0.0
	1	13	18.05	17.97	17.79		0.0
	1	23	18.01	18.00	17.81		0.0
	12	0	18.12	17.94	17.85	0-0.5	0.0
	12	7	18.00	17.87	17.74	0	0.0
	12	13	17.98	17.85	17.77	0-0.5	0.0
	25	0	17.96	17.79	17.72		0.0
DFT-s-OFDM QPSK	1	1	18.17	18.02	17.95	0	0.0
	1	13	18.00	17.82	17.78		0.0
	1	23	17.99	17.91	17.79		0.0
	12	0	18.06	17.92	17.87	0-1	0.0
	12	7	18.04	17.84	17.80	0	0.0
	12	13	18.02	17.93	17.76	0-1	0.0
	25	0	18.02	17.84	17.82		0.0
DFT-s-OFDM 16QAM	1	1	17.90	17.80	17.70	0-1	0.0
CP-OFDM QPSK	1	1	18.03	18.02	17.89	0-1.5	0.0

Table 122
NR Band n5 Measured P_{limit} Ant 3 - 15 MHz Bandwidth

NR Band n5 15 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]	
			167300 (836.5 MHz)			
			Conducted Power [dBm]			
DFT-s-OFDM $\pi/2$ BPSK	1	1	18.30	0	0.0	
	1	40	18.14		0.0	
	1	77	18.07		0.0	
	36	0	18.15	0-0.5	0.0	
	36	22	18.07	0	0.0	
	36	43	18.05	0-0.5	0.0	
	75	0	18.06		0.0	
DFT-s-OFDM QPSK	1	1	18.26	0	0.0	
	1	40	18.15		0.0	
	1	77	18.05		0.0	
	36	0	18.21	0-1	0.0	
	36	22	18.15	0	0.0	
	36	43	18.09	0-1	0.0	
	75	0	18.14		0.0	
DFT-s-OFDM 16QAM	1	1	18.11	0-1	0.0	
CP-OFDM QPSK	1	1	18.14	0-1.5	0.0	

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Table 123
NR Band n5 Measured P_{limit} Ant 3 - 10 MHz Bandwidth

NR Band n5 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			167300 (836.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM $\pi/2$ BPSK	1	1	18.19	0	0.0
	1	26	18.22		0.0
	1	50	18.17		0.0
	25	0	18.25	0-0.5	0.5
	25	14	18.18	0	0.0
	25	27	18.21	0-0.5	0.5
	50	0	18.17		0.5
DFT-s-OFDM QPSK	1	1	18.32	0	0.0
	1	26	18.30		0.0
	1	50	18.23		0.0
	25	0	18.23	0-1	0.0
	25	14	18.26	0	0.0
	25	27	18.19	0-1	0.0
	50	0	18.21		0.0
DFT-s-OFDM 16QAM	1	1	17.96	0-1	0.0
CP-OFDM QPSK	1	1	18.23	0-1.5	0.0

Table 124
NR Band n5 Measured P_{limit} Ant 3 - 5 MHz Bandwidth

NR Band n5 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	165300 (826.5 MHz)	167300 (836.5 MHz)	169300 (846.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	18.45	18.31	18.16	0	0.0
	1	13	18.37	18.26	17.98		0.0
	1	23	18.29	18.21	17.97		0.0
	12	0	18.32	18.19	17.93	0-0.5	0.0
	12	7	18.25	18.23	17.98	0	0.0
	12	13	18.23	18.14	17.87	0-0.5	0.0
	25	0	18.17	18.12	17.83		0.0
DFT-s-OFDM QPSK	1	1	18.58	18.37	18.27	0	0.0
	1	13	18.43	18.32	18.05		0.0
	1	23	18.33	18.29	17.97		0.0
	12	0	18.33	18.24	18.01	0-1	0.0
	12	7	18.27	18.17	17.88	0	0.0
	12	13	18.24	18.09	17.87	0-1	0.0
	25	0	18.22	18.15	18.01		0.0
DFT-s-OFDM 16QAM	1	1	18.58	18.40	18.33	0-1	0.0
CP-OFDM QPSK	1	1	18.17	18.12	18.01	0-1.5	0.0

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1.2.4

NR Band n66

Table 125
NR Band n66 Measured P_{limit} Ant 1 - 15 MHz Bandwidth

NR Band n66 15 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	343500 (1717.5 MHz)	349000 (1745 MHz)	354500 (1772.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	14.91	14.72	14.70	0	0.0
	1	40	14.77	14.77	14.61		0.0
	1	77	14.86	14.74	14.64		0.0
	36	0	14.78	14.66	14.49	0-0.5	0.0
	36	22	14.71	14.64	14.46	0	0.0
	36	43	14.74	14.59	14.49	0-0.5	0.0
	75	0	14.80	14.62	14.47		0.0
DFT-s-OFDM QPSK	1	1	14.83	14.76	14.59	0	0.0
	1	40	14.81	14.74	14.56		0.0
	1	77	14.78	14.71	14.61		0.0
	36	0	14.82	14.70	14.57	0-1	0.0
	36	22	14.76	14.61	14.53	0	0.0
	36	43	14.80	14.63	14.55	0-1	0.0
	75	0	14.78	14.66	14.50		0.0
DFT-s-OFDM 16QAM	1	1	14.68	14.57	14.51	0-1	0.0
CP-OFDM QPSK	1	1	14.96	14.54	14.55	0-1.5	0.0

Table 126
NR Band n66 Measured P_{limit} Ant 1 - 10 MHz Bandwidth

NR Band n66 10 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	343000 (1715 MHz)	349000 (1745 MHz)	355000 (1775 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	14.82	14.65	14.69	0	0.0
	1	26	14.58	14.64	14.61		0.0
	1	50	14.57	14.69	14.65		0.0
	25	0	14.67	14.57	14.58	0-0.5	0.0
	25	14	14.71	14.62	14.57	0	0.0
	25	27	14.70	14.52	14.59	0-0.5	0.0
	50	0	14.65	14.56	14.62		0.0
DFT-s-OFDM QPSK	1	1	14.72	14.58	14.72	0	0.0
	1	26	14.71	14.67	14.62		0.0
	1	50	14.66	14.61	14.60		0.0
	25	0	14.77	14.61	14.58	0-1	0.0
	25	14	14.72	14.60	14.60	0	0.0
	25	27	14.74	14.58	14.66	0-1	0.0
	50	0	14.67	14.52	14.63		0.0
DFT-s-OFDM 16QAM	1	1	14.69	14.60	14.66	0-1	0.0
CP-OFDM QPSK	1	1	14.73	14.71	14.63	0-1.5	0.0

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Table 127
NR Band n66 Measured P_{limit} Ant 1 - 5 MHz Bandwidth

NR Band n66 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	342500 (1712.5 MHz)	349000 (1745 MHz)	355500 (1777.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	14.75	14.69	14.57	0	0.0
	1	13	14.72	14.68	14.62		0.0
	1	23	14.73	14.61	14.63		0.0
	12	0	14.74	14.65	14.64	0-0.5	0.0
	12	7	14.80	14.64	14.62	0	0.0
	12	13	14.77	14.61	14.72	0-0.5	0.0
	25	0	14.68	14.55	14.64		0.0
DFT-s-OFDM QPSK	1	1	14.65	14.63	14.66	0	0.0
	1	13	14.76	14.65	14.72		0.0
	1	23	14.74	14.67	14.61		0.0
	12	0	14.72	14.71	14.65	0-1	0.0
	12	7	14.78	14.62	14.77	0	0.0
	12	13	14.74	14.59	14.67	0-1	0.0
	25	0	14.72	14.63	14.70		0.0
DFT-s-OFDM 16QAM	1	1	14.92	14.82	14.84	0-1	0.0
CP-OFDM QPSK	1	1	14.58	14.61	14.52	0-1.5	0.0

Table 128
NR Band n66 Measured P_{limit} Ant 3 - 15 MHz Bandwidth

NR Band n66 15 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	343500 (1717.5 MHz)	349000 (1745 MHz)	354500 (1772.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	15.20	14.98	14.84	0	0.0
	1	40	15.06	14.87	14.85		0.0
	1	77	15.04	15.10	14.40		0.0
	36	0	15.02	15.00	14.83	0-0.5	0.0
	36	22	14.98	14.92	14.70	0	0.0
	36	43	14.96	15.02	14.78	0-0.5	0.0
	75	0	15.00	14.96	14.84		0.0
DFT-s-OFDM QPSK	1	1	14.98	14.98	14.68	0	0.0
	1	40	14.88	14.73	14.66		0.0
	1	77	14.98	14.76	14.76		0.0
	36	0	15.09	14.98	14.84	0-1	0.0
	36	22	15.00	14.90	14.78	0	0.0
	36	43	15.03	14.98	14.82	0-1	0.0
	75	0	14.96	14.95	14.83		0.0
DFT-s-OFDM 16QAM	1	1	15.04	15.01	15.22	0-1	0.0
CP-OFDM QPSK	1	1	14.97	14.92	14.78	0-1.5	0.0

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Table 129
NR Band n66 Measured P_{limit} Ant 3 - 10 MHz Bandwidth

NR Band n66 10 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	343000 (1715 MHz)	349000 (1745 MHz)	355000 (1775 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	14.92	15.02	14.93	0	0.0
	1	26	15.04	14.83	14.94		0.0
	1	50	15.11	14.96	14.88		0.0
	25	0	15.00	14.93	14.96	0-0.5	0.0
	25	14	14.99	14.96	14.96	0	0.0
	25	27	15.00	14.99	14.92	0-0.5	0.0
	50	0	15.02	14.94	14.93		0.0
DFT-s-OFDM QPSK	1	1	15.10	14.87	14.86	0	0.0
	1	26	14.97	15.04	15.06		0.0
	1	50	14.80	14.91	14.83		0.0
	25	0	14.95	14.93	14.96	0-1	0.0
	25	14	14.99	14.94	14.96	0	0.0
	25	27	15.00	14.90	14.95	0-1	0.0
	50	0	14.99	14.86	14.91		0.0
DFT-s-OFDM 16QAM	1	1	15.35	15.26	15.11	0-1	0.0
CP-OFDM QPSK	1	1	15.13	14.88	14.84	0-1.5	0.0

Table 130
NR Band n66 Measured P_{limit} Ant 3 - 5 MHz Bandwidth

NR Band n66 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	342500 (1712.5 MHz)	349000 (1745 MHz)	355500 (1777.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	14.98	15.07	14.90	0	0.0
	1	13	14.95	14.94	14.86		0.0
	1	23	14.99	14.95	15.00		0.0
	12	0	14.99	14.86	14.92	0-0.5	0.0
	12	7	14.96	14.97	14.83	0	0.0
	12	13	14.95	14.88	14.96	0-0.5	0.0
	25	0	14.97	14.84	14.84		0.0
DFT-s-OFDM QPSK	1	1	14.99	14.77	14.84	0	0.0
	1	13	14.96	14.90	14.95		0.0
	1	23	14.84	14.82	14.95		0.0
	12	0	15.04	14.84	14.88	0-1	0.0
	12	7	15.07	14.92	14.94	0	0.0
	12	13	15.06	14.96	14.87	0-1	0.0
	25	0	14.96	14.91	14.89		0.0
DFT-s-OFDM 16QAM	1	1	15.12	15.25	15.06	0-1	0.0
CP-OFDM QPSK	1	1	15.03	14.76	14.82	0-1.5	0.0

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Table 131
NR Band n66 Measured P_{limit} Ant 2b - 15 MHz Bandwidth

NR Band n66 15 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	343500 (1717.5 MHz)	349000 (1745 MHz)	354500 (1772.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	12.42	12.45	12.43	0	0.0
	1	40	12.51	12.41	12.48		0.0
	1	77	12.58	12.45	12.51		0.0
	36	0	12.47	12.47	12.40	0-0.5	0.0
	36	22	12.45	12.36	12.37	0	0.0
	36	43	12.49	12.37	12.41	0-0.5	0.0
	75	0	12.47	12.40	12.44		0.0
DFT-s-OFDM QPSK	1	1	12.61	12.47	12.51	0	0.0
	1	40	12.43	12.43	12.42		0.0
	1	77	12.54	12.45	12.53		0.0
	36	0	12.54	12.43	12.39	0-1	0.0
	36	22	12.46	12.38	12.44	0	0.0
	36	43	12.50	12.44	12.42	0-1	0.0
	75	0	12.48	12.42	12.42		0.0
DFT-s-OFDM 16QAM	1	1	12.42	12.34	12.39	0-1	0.0
CP-OFDM QPSK	1	1	12.31	12.33	12.37	0-1.5	0.0

Table 132
NR Band n66 Measured P_{limit} Ant 2b - 10 MHz Bandwidth

NR Band n66 10 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	343000 (1715 MHz)	349000 (1745 MHz)	355000 (1775 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	12.46	12.41	12.51	0	0.0
	1	26	12.51	12.44	12.47		0.0
	1	50	12.44	12.45	12.46		0.0
	25	0	12.38	12.37	12.45	0-0.5	0.0
	25	14	12.41	12.38	12.41	0	0.0
	25	27	12.39	12.38	12.42	0-0.5	0.0
	50	0	12.47	12.40	12.36		0.0
DFT-s-OFDM QPSK	1	1	12.55	12.54	12.56	0	0.0
	1	26	12.54	12.50	12.60		0.0
	1	50	12.52	12.57	12.47		0.0
	25	0	12.47	12.43	12.39	0-1	0.0
	25	14	12.45	12.46	12.48	0	0.0
	25	27	12.41	12.44	12.41	0-1	0.0
	50	0	12.43	12.37	12.37		0.0
DFT-s-OFDM 16QAM	1	1	12.40	12.44	12.21	0-1	0.0
CP-OFDM QPSK	1	1	12.41	12.47	12.48	0-1.5	0.0

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Table 133
NR Band n66 Measured P_{limit} Ant 2b - 5 MHz Bandwidth

NR Band n66 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	342500 (1712.5 MHz)	349000 (1745 MHz)	355500 (1777.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	12.35	12.41	12.38	0	0.0
	1	13	12.48	12.40	12.42		0.0
	1	23	12.36	12.41	12.43		0.0
	12	0	12.38	12.35	12.41	0-0.5	0.0
	12	7	12.41	12.36	12.46	0	0.0
	12	13	12.42	12.39	12.35	0-0.5	0.0
	25	0	12.33	12.34	12.43		0.0
DFT-s-OFDM QPSK	1	1	12.42	12.43	12.48	0	0.0
	1	13	12.53	12.44	12.61		0.0
	1	23	12.44	12.46	12.48		0.0
	12	0	12.47	12.37	12.43	0-1	0.0
	12	7	12.39	12.42	12.41	0	0.0
	12	13	12.46	12.37	12.38	0-1	0.0
	25	0	12.41	12.38	12.39		0.0
DFT-s-OFDM 16QAM	1	1	12.11	12.18	12.20	0-1	0.0
CP-OFDM QPSK	1	1	12.52	12.48	12.44	0-1.5	0.0

Table 134
NR Band n66 Measured P_{limit} Ant 4b - 15 MHz Bandwidth

NR Band n66 15 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	343500 (1717.5 MHz)	349000 (1745 MHz)	354500 (1772.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	12.75	12.77	12.64	0	0.0
	1	40	12.77	12.75	12.60		0.0
	1	77	12.83	12.82	12.55		0.0
	36	0	12.79	12.76	12.60	0-0.5	0.0
	36	22	12.71	12.77	12.61	0	0.0
	36	43	12.72	12.78	12.56	0-0.5	0.0
	75	0	12.73	12.70	12.60		0.0
DFT-s-OFDM QPSK	1	1	12.86	12.87	12.69	0	0.0
	1	40	12.75	12.81	12.55		0.0
	1	77	12.84	12.83	12.83		0.0
	36	0	12.79	12.78	12.66	0-1	0.0
	36	22	12.77	12.72	12.58	0	0.0
	36	43	12.81	12.77	12.59	0-1	0.0
	75	0	12.81	12.77	12.61		0.0
DFT-s-OFDM 16QAM	1	1	12.60	12.56	12.53	0-1	0.0
CP-OFDM QPSK	1	1	12.80	12.76	12.74	0-1.5	0.0

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Table 135
NR Band n66 Measured P_{limit} Ant 4b - 10 MHz Bandwidth

NR Band n66 10 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	343000 (1715 MHz)	349000 (1745 MHz)	355000 (1775 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	12.81	12.67	12.68	0	0.0
	1	26	12.74	12.68	12.75		0.0
	1	50	12.65	12.78	12.62		0.0
	25	0	12.70	12.64	12.74	0-0.5	0.0
	25	14	12.75	12.70	12.63	0	0.0
	25	27	12.76	12.69	12.75	0-0.5	0.0
	50	0	12.76	12.79	12.77		0.0
DFT-s-OFDM QPSK	1	1	12.90	12.76	12.91	0	0.0
	1	26	12.77	12.80	12.78		0.0
	1	50	12.81	12.81	12.76		0.0
	25	0	12.78	12.82	12.76	0-1	0.0
	25	14	12.81	12.71	12.74	0	0.0
	25	27	12.74	12.70	12.70	0-1	0.0
	50	0	12.82	12.80	12.75		0.0
DFT-s-OFDM 16QAM	1	1	12.46	12.62	12.53	0-1	0.0
CP-OFDM QPSK	1	1	12.68	12.80	12.76	0-1.5	0.0

Table 136
NR Band n66 Measured P_{limit} Ant 4b - 5 MHz Bandwidth

NR Band n66 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	342500 (1712.5 MHz)	349000 (1745 MHz)	355500 (1777.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	12.69	12.58	12.67	0	0.0
	1	13	12.66	12.83	12.71		0.0
	1	23	12.73	12.73	12.82		0.0
	12	0	12.71	12.66	12.70	0-0.5	0.0
	12	7	12.79	12.67	12.71	0	0.0
	12	13	12.74	12.63	12.76	0-0.5	0.0
	25	0	12.76	12.71	12.68		0.0
DFT-s-OFDM QPSK	1	1	12.89	12.77	12.83	0	0.0
	1	13	12.81	12.69	12.81		0.0
	1	23	12.87	12.79	12.83		0.0
	12	0	12.83	12.75	12.72	0-1	0.0
	12	7	12.82	12.80	12.78	0	0.0
	12	13	12.81	12.67	12.73	0-1	0.0
	25	0	12.77	12.62	12.69		0.0
DFT-s-OFDM 16QAM	1	1	12.44	12.51	12.51	0-1	0.0
CP-OFDM QPSK	1	1	12.78	12.75	12.82	0-1.5	0.0

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NR Band n25

Table 137
NR Band n25 Measured P_{limit} Ant 1 - 15 MHz Bandwidth

NR Band n25 15 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	371500 (1857.5 MHz)	376500 (1882.5 MHz)	381500 (1907.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	15.80	16.06	15.96	0	0.0
	1	40	15.91	16.00	15.81		0.0
	1	77	15.81	15.75	15.42		0.0
	36	0	16.11	15.91	15.77	0-0.5	0.0
	36	22	16.00	15.66	15.91	0	0.0
	36	43	16.03	15.89	15.82	0-0.5	0.0
	75	0	16.00	15.91	15.86		0.0
DFT-s-OFDM QPSK	1	1	16.00	15.90	15.79	0	0.0
	1	40	16.14	15.90	15.78		0.0
	1	77	16.00	15.85	15.47		0.0
	36	0	16.11	15.90	15.76	0-1	0.0
	36	22	16.03	15.88	15.79	0	0.0
	36	43	16.00	15.81	15.80	0-1	0.0
	75	0	16.02	15.83	15.91		0.0
DFT-s-OFDM 16QAM	1	1	16.04	16.00	15.71	0-1	0.0
CP-OFDM QPSK	1	1	15.81	15.80	15.90	0-1.5	0.0

Table 138
NR Band n25 Measured P_{limit} Ant 1 - 10 MHz Bandwidth

NR Band n25 10 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	371000 (1855 MHz)	376500 (1882.5 MHz)	382000 (1910 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	16.06	16.08	15.94	0	0.0
	1	26	16.02	15.99	15.80		0.0
	1	50	16.00	15.70	15.40		0.0
	25	0	15.88	16.00	15.84	0-0.5	0.0
	25	14	15.84	15.98	15.88	0	0.0
	25	27	15.87	15.91	15.80	0-0.5	0.0
	50	0	15.85	15.90	15.83		0.0
DFT-s-OFDM QPSK	1	1	15.94	15.91	15.78	0	0.0
	1	26	15.98	15.81	15.91		0.0
	1	50	15.92	15.69	15.44		0.0
	25	0	15.92	16.03	15.82	0-1	0.0
	25	14	15.91	15.91	15.86	0	0.0
	25	27	15.90	15.81	15.78	0-1	0.0
	50	0	15.88	15.88	15.71		0.0
DFT-s-OFDM 16QAM	1	1	15.89	15.98	15.71	0-1	0.0
CP-OFDM QPSK	1	1	15.88	15.84	15.84	0-1.5	0.0

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Table 139
NR Band n25 Measured P_{limit} Ant 1 - 5 MHz Bandwidth

NR Band n25 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	370500 (1852.5 MHz)	376500 (1882.5 MHz)	382500 (1912.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	16.00	15.91	15.70	0	0.0
	1	13	15.91	15.92	15.76		0.0
	1	23	16.06	15.71	15.75		0.0
	12	0	15.82	15.93	15.61	0-0.5	0.0
	12	7	16.03	15.88	15.72	0	0.0
	12	13	15.93	15.81	15.83	0-0.5	0.0
	25	0	15.98	15.90	15.70		0.0
DFT-s-OFDM QPSK	1	1	15.92	15.90	15.67	0	0.0
	1	13	15.96	15.88	15.57		0.0
	1	23	15.95	15.86	15.58		0.0
	12	0	15.84	15.85	15.57	0-1	0.0
	12	7	15.82	15.81	15.73	0	0.0
	12	13	15.91	15.83	15.65	0-1	0.0
	25	0	16.02	15.86	15.81		0.0
DFT-s-OFDM 16QAM	1	1	16.04	15.71	15.64	0-1	0.0
CP-OFDM QPSK	1	1	15.85	15.74	15.78	0-1.5	0.0

Table 140
NR Band n25 Measured P_{limit} Ant 3 - 15 MHz Bandwidth

NR Band n25 15 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	371500 (1857.5 MHz)	376500 (1882.5 MHz)	381500 (1907.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	14.87	14.82	14.95	0	0.0
	1	40	14.78	14.73	14.93		0.0
	1	77	14.66	14.61	14.87		0.0
	36	0	14.69	14.64	14.85	0-0.5	0.0
	36	22	14.87	14.82	14.91	0	0.0
	36	43	14.81	14.76	14.90	0-0.5	0.0
	75	0	14.67	14.62	14.86		0.0
DFT-s-OFDM QPSK	1	1	14.79	14.74	14.83	0	0.0
	1	40	14.82	14.77	14.81		0.0
	1	77	14.77	14.72	14.82		0.0
	36	0	14.69	14.73	14.91	0-1	0.0
	36	22	14.91	14.91	14.67	0	0.0
	36	43	14.95	14.90	14.77	0-1	0.0
	75	0	14.88	14.88	14.79		0.0
DFT-s-OFDM 16QAM	1	1	14.83	14.87	14.81	0-1	0.0
CP-OFDM QPSK	1	1	14.67	14.80	14.80	0-1.5	0.0

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Table 141
NR Band n25 Measured P_{limit} Ant 3 - 10 MHz Bandwidth

NR Band n25 10 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	371000 (1855 MHz)	376500 (1882.5 MHz)	382000 (1910 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	14.95	14.88	14.99	0	0.0
	1	26	14.91	14.91	14.96		0.0
	1	50	14.86	14.82	14.86		0.0
	25	0	14.87	14.76	14.87	0-0.5	0.0
	25	14	14.76	14.99	14.85	0	0.0
	25	27	14.90	14.87	14.82	0-0.5	0.0
	50	0	14.86	14.85	14.96		0.0
DFT-s-OFDM QPSK	1	1	14.79	14.91	14.93	0	0.0
	1	26	14.97	14.85	14.90		0.0
	1	50	14.81	14.82	14.81		0.0
	25	0	14.82	14.96	14.87	0-1	0.0
	25	14	14.86	14.99	14.88	0	0.0
	25	27	14.91	14.79	14.86	0-1	0.0
	50	0	14.75	14.77	14.82		0.0
DFT-s-OFDM 16QAM	1	1	14.96	14.85	14.81	0-1	0.0
CP-OFDM QPSK	1	1	14.81	14.86	14.80	0-1.5	0.0

Table 142
NR Band n25 Measured P_{limit} Ant 3 - 5 MHz Bandwidth

NR Band n25 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	370500 (1852.5 MHz)	376500 (1882.5 MHz)	382500 (1912.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	14.99	14.81	14.92	0	0.0
	1	13	14.96	14.86	14.90		0.0
	1	23	14.86	14.80	14.85		0.0
	12	0	14.75	14.83	14.60	0-0.5	0.0
	12	7	14.86	14.82	14.69	0	0.0
	12	13	14.96	14.59	14.92	0-0.5	0.0
	25	0	14.90	14.96	14.83		0.0
DFT-s-OFDM QPSK	1	1	14.73	15.00	14.81	0	0.0
	1	13	14.63	14.93	14.90		0.0
	1	23	14.91	14.92	14.97		0.0
	12	0	14.85	14.81	14.93	0-1	0.0
	12	7	14.90	14.67	14.95	0	0.0
	12	13	14.75	14.93	14.90	0-1	0.0
	25	0	14.83	14.90	14.67		0.0
DFT-s-OFDM 16QAM	1	1	14.90	14.81	14.80	0-1	0.0
CP-OFDM QPSK	1	1	14.80	14.86	14.93	0-1.5	0.0

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Table 143
NR Band n25 Measured P_{limit} Ant 2b - 15 MHz Bandwidth

NR Band n25 15 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	371500 (1857.5 MHz)	376500 (1882.5 MHz)	381500 (1907.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	12.34	12.23	12.21	0	0.0
	1	40	12.35	12.22	12.11		0.0
	1	77	12.31	12.12	12.15		0.0
	36	0	12.35	12.18	12.21	0-0.5	0.0
	36	22	12.27	12.15	12.20	0	0.0
	36	43	12.28	12.19	12.11	0-0.5	0.0
	75	0	12.30	12.15	12.13		0.0
DFT-s-OFDM QPSK	1	1	12.32	12.14	12.14	0	0.0
	1	40	12.23	12.19	12.15		0.0
	1	77	12.21	12.16	12.16		0.0
	36	0	12.24	12.11	12.14	0-1	0.0
	36	22	12.27	12.19	12.13	0	0.0
	36	43	12.26	12.17	12.08	0-1	0.0
	75	0	12.28	12.20	12.09		0.0
DFT-s-OFDM 16QAM	1	1	12.77	12.56	12.60	0-1	0.0
CP-OFDM QPSK	1	1	12.47	12.47	12.48	0-1.5	0.0

Table 144
NR Band n25 Measured P_{limit} Ant 2b - 10 MHz Bandwidth

NR Band n25 10 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	371000 (1855 MHz)	376500 (1882.5 MHz)	382000 (1910 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	12.20	12.28	12.22	0	0.0
	1	26	12.20	12.18	12.10		0.0
	1	50	12.18	12.20	12.10		0.0
	25	0	12.14	12.15	12.11	0-0.5	0.0
	25	14	12.15	12.14	12.15	0	0.0
	25	27	12.16	12.19	12.17	0-0.5	0.0
	50	0	12.16	12.17	12.09		0.0
DFT-s-OFDM QPSK	1	1	12.24	12.23	12.21	0	0.0
	1	26	12.13	12.25	12.14		0.0
	1	50	12.16	12.15	12.19		0.0
	25	0	12.19	12.13	12.15	0-1	0.0
	25	14	12.27	12.17	12.20	0	0.0
	25	27	12.28	12.13	12.24	0-1	0.0
	50	0	12.25	12.11	12.09		0.0
DFT-s-OFDM 16QAM	1	1	12.11	12.23	12.51	0-1	0.0
CP-OFDM QPSK	1	1	12.26	12.27	12.21	0-1.5	0.0

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Table 145
NR Band n25 Measured P_{limit} Ant 2b - 5 MHz Bandwidth

NR Band n25 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	370500 (1852.5 MHz)	376500 (1882.5 MHz)	382500 (1912.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	12.11	12.22	12.22	0	0.0
	1	13	12.22	12.37	12.16		0.0
	1	23	12.29	12.29	12.14		0.0
	12	0	12.09	12.34	12.19	0-0.5	0.0
	12	7	11.94	12.27	12.05	0	0.0
	12	13	12.12	12.27	12.18	0-0.5	0.0
	25	0	12.08	12.11	12.17		0.0
DFT-s-OFDM QPSK	1	1	12.19	12.12	12.06	0	0.0
	1	13	12.21	12.11	12.20		0.0
	1	23	12.24	12.23	12.02		0.0
	12	0	12.00	12.22	12.20	0-1	0.0
	12	7	12.21	12.10	12.14	0	0.0
	12	13	12.11	12.04	12.13	0-1	0.0
	25	0	12.13	12.13	12.14		0.0
DFT-s-OFDM 16QAM	1	1	12.70	12.15	12.41	0-1	0.0
CP-OFDM QPSK	1	1	12.52	12.11	12.40	0-1.5	0.0

Table 146
NR Band n25 Measured P_{limit} Ant 4b - 15 MHz Bandwidth

NR Band n25 15 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	371500 (1857.5 MHz)	376500 (1882.5 MHz)	381500 (1907.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	10.99	10.85	10.77	0	0.0
	1	40	10.96	10.68	10.87		0.0
	1	77	10.90	10.74	10.72		0.0
	36	0	10.92	10.78	10.85	0-0.5	0.0
	36	22	10.84	10.76	10.79	0	0.0
	36	43	10.73	10.70	10.68	0-0.5	0.0
	75	0	10.82	10.78	10.82		0.0
DFT-s-OFDM QPSK	1	1	10.98	10.76	10.73	0	0.0
	1	40	10.93	10.44	10.64		0.0
	1	77	10.89	10.78	10.76		0.0
	36	0	10.88	10.81	10.81	0-1	0.0
	36	22	10.81	10.69	10.79	0	0.0
	36	43	10.74	10.70	10.74	0-1	0.0
	75	0	10.78	10.70	10.79		0.0
DFT-s-OFDM 16QAM	1	1	10.93	10.88	10.97	0-1	0.0
CP-OFDM QPSK	1	1	10.81	11.07	10.75	0-1.5	0.0

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Table 147
NR Band n25 Measured P_{limit} Ant 4b - 10 MHz Bandwidth

NR Band n25 10 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	371000 (1855 MHz)	376500 (1882.5 MHz)	382000 (1910 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	10.88	10.83	10.83	0	0.0
	1	26	10.93	10.79	10.95		0.0
	1	50	10.81	10.86	10.88		0.0
	25	0	10.72	10.77	11.07	0-0.5	0.0
	25	14	10.81	10.93	10.87	0	0.0
	25	27	10.79	10.78	10.96	0-0.5	0.0
	50	0	10.85	10.71	10.79		0.0
DFT-s-OFDM QPSK	1	1	10.83	10.75	11.11	0	0.0
	1	26	10.69	10.73	10.94		0.0
	1	50	10.60	10.87	10.76		0.0
	25	0	10.67	10.70	10.99	0-1	0.0
	25	14	10.85	10.63	10.91	0	0.0
	25	27	10.69	10.91	10.86	0-1	0.0
	50	0	10.70	10.88	10.97		0.0
DFT-s-OFDM 16QAM	1	1	10.94	10.96	11.13	0-1	0.0
CP-OFDM QPSK	1	1	10.86	10.58	10.87	0-1.5	0.0

Table 148
NR Band n25 Measured P_{limit} Ant 4b - 5 MHz Bandwidth

NR Band n25 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	370500 (1852.5 MHz)	376500 (1882.5 MHz)	382500 (1912.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	10.71	10.79	10.83	0	0.0
	1	13	10.63	10.83	10.91		0.0
	1	23	10.74	10.88	10.93		0.0
	12	0	10.90	10.84	10.85	0-0.5	0.0
	12	7	10.87	10.85	10.85	0	0.0
	12	13	10.68	10.92	10.81	0-0.5	0.0
	25	0	10.74	10.83	10.73		0.0
DFT-s-OFDM QPSK	1	1	10.91	10.74	10.84	0	0.0
	1	13	10.77	10.78	10.81		0.0
	1	23	10.89	10.95	10.82		0.0
	12	0	10.75	10.84	10.79	0-1	0.0
	12	7	10.85	10.69	10.73	0	0.0
	12	13	10.84	10.73	10.75	0-1	0.0
	25	0	10.90	10.89	10.81		0.0
DFT-s-OFDM 16QAM	1	1	11.16	11.11	11.25	0-1	0.0
CP-OFDM QPSK	1	1	10.76	11.00	11.03	0-1.5	0.0

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NR Band n41

Table 149
NR Band n41 Measured P_{limit} Ant 1 - 90 MHz Bandwidth

NR Band n41 90 MHz Bandwidth						
Modulation	RB Size	RB Offset	508200 (2541 MHz)	528996 (2644.98 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]			
DFT-s-OFDM $\pi/2$ BPSK	1	1	10.43	10.56	0	0.0
	1	123	10.60	10.53		0.0
	1	243	10.57	10.50		0.0
	120	0	10.63	10.70	0-0.5	0.0
	120	63	10.57	10.64	0	0.0
	120	125	10.60	10.61	0-0.5	0.0
	243	0	10.56	10.55		0.0
DFT-s-OFDM QPSK	1	1	10.72	10.56	0	0.0
	1	123	10.65	10.53		0.0
	1	243	10.62	10.50		0.0
	120	0	10.65	10.68	0-1	0.0
	120	63	10.62	10.66	0	0.0
	120	125	10.58	10.65	0-1	0.0
	243	0	10.55	10.60		0.0
DFT-s-OFDM 16QAM	1	1	10.61	10.57	0-1	0.0
CP-OFDM QPSK	1	1	10.56	10.48	0-1.5	0.0

Table 150
NR Band n41 Measured P_{limit} Ant 1 - 80 MHz Bandwidth

NR Band n41 80 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	507204 (2536.02 MHz)	529998 (2649.99 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM $\pi/2$ BPSK	1	1	10.91	11.00	0	0.0
	1	109	11.09	11.10		0.0
	1	215	10.95	10.90		0.0
	108	0	11.08	10.94	0-0.5	0.0
	108	55	11.00	10.99	0	0.0
	108	109	11.03	10.94	0-0.5	0.0
	216	0	11.04	10.97		0.0
DFT-s-OFDM QPSK	1	1	10.98	11.05	0	0.0
	1	109	11.12	11.00		0.0
	1	215	11.07	10.91		0.0
	108	0	11.09	10.93	0-1	0.0
	108	55	11.00	11.00	0	0.0
	108	109	11.06	10.92	0-1	0.0
	216	0	11.02	11.01		0.0
DFT-s-OFDM 16QAM	1	1	11.01	11.03	0-1	0.0
CP-OFDM QPSK	1	1	11.00	10.95	0-1.5	0.0

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Table 151
NR Band n41 Measured P_{limit} Ant 1 - 60 MHz Bandwidth

NR Band n41 60 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	505200 (2526 MHz)	518598 (2592.99 MHz)	531996 (2659.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	10.90	10.78	10.91	0	0.0
	1	81	10.96	10.88	10.87		0.0
	1	160	10.51	11.11	10.88		0.0
	81	0	10.52	11.10	10.91	0-0.5	0.0
	81	41	10.63	11.03	10.92	0	0.0
	81	81	10.69	11.04	10.84	0-0.5	0.0
	162	0	10.67	11.01	10.93		0.0
DFT-s-OFDM QPSK	1	1	11.00	11.08	11.04	0	0.0
	1	81	11.09	11.02	10.92		0.0
	1	160	11.04	11.00	10.86		0.0
	81	0	11.07	11.06	10.96	0-1	0.0
	81	41	10.99	11.00	10.89	0	0.0
	81	81	11.00	10.99	10.86	0-1	0.0
	162	0	11.00	11.00	10.89		0.0
DFT-s-OFDM 16QAM	1	1	11.00	11.02	10.95	0-1	0.0
CP-OFDM QPSK	1	1	10.95	11.00	10.93	0-1.5	0.0

Table 152
NR Band n41 Measured P_{limit} Ant 1 - 50 MHz Bandwidth

NR Band n41 50 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	504204 (2521.02 MHz)	518598 (2592.99 MHz)	532998 (2664.99 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	10.56	11.09	11.00	0	0.0
	1	67	10.55	10.97	10.82		0.0
	1	131	10.71	11.15	10.84		0.0
	64	0	10.69	11.06	10.95	0-0.5	0.0
	64	35	10.61	11.05	10.87	0	0.0
	64	69	10.66	11.00	10.79	0-0.5	0.0
	128	0	10.63	11.04	10.84		0.0
DFT-s-OFDM QPSK	1	1	11.02	11.11	11.04	0	0.0
	1	67	11.05	10.99	10.83		0.0
	1	131	11.00	11.02	10.88		0.0
	64	0	11.05	11.06	10.91	0-1	0.0
	64	35	10.99	11.02	10.85	0	0.0
	64	69	10.91	11.00	10.84	0-1	0.0
	128	0	11.00	11.00	10.90		0.0
DFT-s-OFDM 16QAM	1	1	11.00	11.03	10.97	0-1	0.0
CP-OFDM QPSK	1	1	11.00	11.00	10.95	0-1.5	0.0

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Table 153
NR Band n41 Measured P_{limit} Ant 1 - 40 MHz Bandwidth

NR Band n41 40 MHz Bandwidth								
			Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	503202 (2516.01 MHz)	513468 (2567.34 MHz)	523734 (2618.67 MHz)	534000 (2670 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM $\pi/2$ BPSK	1	1	10.90	11.00	11.02	11.00	0	0.0
	1	53	11.08	10.96	10.85	10.86		0.0
	1	104	11.04	10.97	11.06	10.96		0.0
	50	0	11.00	10.93	10.94	10.89	0-0.5	0.0
	50	28	11.02	10.91	10.85	10.88	0	0.0
	50	56	11.01	10.96	11.01	10.91	0-0.5	0.0
	100	0	10.99	10.91	10.96	10.94		0.0
DFT-s-OFDM QPSK	1	1	10.85	10.96	10.98	10.95	0	0.0
	1	53	10.91	10.98	10.96	10.92		0.0
	1	104	10.85	10.95	11.05	10.94		0.0
	50	0	10.81	10.95	10.98	10.86	0-1	0.0
	50	28	10.88	10.96	10.99	10.90	0	0.0
	50	56	10.99	10.96	11.02	10.92	0-1	0.0
	100	0	11.01	11.04	10.93	10.96		0.0
DFT-s-OFDM 16QAM	1	1	11.03	11.07	11.00	10.92	0-1	0.0
CP-OFDM QPSK	1	1	10.99	10.92	10.93	10.89	0-1.5	0.0

Table 154
NR Band n41 Measured P_{limit} Ant 1 - 20 MHz Bandwidth

NR Band n41 20 MHz Bandwidth									
			Channel					MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	501204 (2506.02 MHz)	509898 (2549.49 MHz)	518598 (2592.99 MHz)	527298 (2636.49 MHz)	535998 (2679.99 MHz)		
			Conducted Power [dBm]						
DFT-s-OFDM $\pi/2$ BPSK	1	1	10.91	10.93	10.90	10.80	10.70	0	0.0
	1	26	10.88	10.83	10.82	10.65	10.60		0.0
	1	49	10.84	10.94	10.87	10.71	10.65		0.0
	25	0	10.91	10.91	10.89	10.75	10.69	0-0.5	0.0
	25	13	10.90	10.87	10.87	10.72	10.67	0	0.0
	25	26	10.92	10.98	10.84	10.71	10.63	0-0.5	0.0
	50	0	10.90	10.87	10.86	10.81	10.67		0.0
DFT-s-OFDM QPSK	1	1	10.95	10.91	10.92	10.83	10.73	0	0.0
	1	26	10.98	10.85	10.79	10.69	10.68		0.0
	1	49	10.90	10.86	10.86	10.73	10.72		0.0
	25	0	10.86	10.85	10.87	10.79	10.68	0-1	0.0
	25	13	10.84	10.83	10.83	10.75	10.66	0	0.0
	25	26	10.88	10.87	10.83	10.76	10.70	0-1	0.0
	50	0	10.82	10.89	10.88	10.74	10.72		0.0
DFT-s-OFDM 16QAM	1	1	11.03	10.93	10.91	10.83	10.75	0-1	0.0
CP-OFDM QPSK	1	1	10.83	10.82	10.80	10.79	10.72	0-1.5	0.0

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Table 155
NR Band n41 Measured P_{limit} Ant 3 - 90 MHz Bandwidth

NR Band n41 90 MHz Bandwidth						
Modulation	RB Size	RB Offset	508200 (2541 MHz)	528996 (2644.98 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]			
DFT-s-OFDM $\pi/2$ BPSK	1	1	11.57	11.45	0	0.0
	1	123	11.34	11.42		0.0
	1	243	11.30	11.29		0.0
	120	0	11.42	11.40	0-0.5	0.0
	120	63	11.29	11.38	0	0.0
	120	125	11.25	11.26	0-0.5	0.0
	243	0	11.27	11.33		0.0
DFT-s-OFDM QPSK	1	1	11.54	11.37	0	0.0
	1	123	11.30	11.38		0.0
	1	243	11.25	11.29		0.0
	120	0	11.38	11.32	0-1	0.0
	120	63	11.20	11.33	0	0.0
	120	125	11.18	11.26	0-1	0.0
	243	0	11.24	11.33		0.0
DFT-s-OFDM 16QAM	1	1	11.32	11.34	0-1	0.0
CP-OFDM QPSK	1	1	11.54	11.45	0-1.5	0.0

Table 156
NR Band n41 Measured P_{limit} Ant 3 - 80 MHz Bandwidth

NR Band n41 80 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	507204 (2536.02 MHz)	529998 (2649.99 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM $\pi/2$ BPSK	1	1	11.67	11.48	0	0.0
	1	109	11.53	11.43		0.0
	1	215	11.29	11.32		0.0
	108	0	11.52	11.47	0-0.5	0.0
	108	55	11.40	11.41	0	0.0
	108	109	11.36	11.30	0-0.5	0.0
	216	0	11.40	11.41		0.0
DFT-s-OFDM QPSK	1	1	11.63	11.44	0	0.0
	1	109	11.45	11.47		0.0
	1	215	11.33	11.29		0.0
	108	0	11.42	11.36	0-1	0.0
	108	55	11.39	11.41	0	0.0
	108	109	11.25	11.38	0-1	0.0
	216	0	11.37	11.42		0.0
DFT-s-OFDM 16QAM	1	1	11.47	11.32	0-1	0.0
CP-OFDM QPSK	1	1	11.60	11.45	0-1.5	0.0

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Table 157
NR Band n41 Measured P_{limit} Ant 3 - 60 MHz Bandwidth

NR Band n41 60 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	505200 (2526 MHz)	518598 (2592.99 MHz)	531996 (2659.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	11.70	11.36	11.41	0	0.0
	1	81	11.54	11.43	11.34		0.0
	1	160	11.43	11.52	11.38		0.0
	81	0	11.58	11.38	11.41	0-0.5	0.0
	81	41	11.52	11.39	11.34	0	0.0
	81	81	11.54	11.40	11.32	0-0.5	0.0
	162	0	11.56	11.36	11.33		0.0
DFT-s-OFDM QPSK	1	1	11.72	11.42	11.43	0	0.0
	1	81	11.53	11.39	11.37		0.0
	1	160	11.50	11.40	11.36		0.0
	81	0	11.58	11.38	11.39	0-1	0.0
	81	41	11.48	11.39	11.32	0	0.0
	81	81	11.51	11.41	11.34	0-1	0.0
	162	0	11.50	11.40	11.36		0.0
DFT-s-OFDM 16QAM	1	1	11.07	11.25	11.30	0-1	0.0
CP-OFDM QPSK	1	1	11.63	11.40	11.49	0-1.5	0.0

Table 158
NR Band n41 Measured P_{limit} Ant 3 - 50 MHz Bandwidth

NR Band n41 50 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	504204 (2521.02 MHz)	518598 (2592.99 MHz)	532998 (2664.99 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	11.70	11.54	11.41	0	0.0
	1	67	11.62	11.41	11.35		0.0
	1	131	11.61	11.58	11.46		0.0
	64	0	11.59	11.44	11.35	0-0.5	0.0
	64	35	11.66	11.40	11.36	0	0.0
	64	69	11.62	11.52	11.37	0-0.5	0.0
	128	0	11.63	11.39	11.38		0.0
DFT-s-OFDM QPSK	1	1	11.77	11.59	11.48	0	0.0
	1	67	11.60	11.53	11.40		0.0
	1	131	11.63	11.57	11.52		0.0
	64	0	11.57	11.40	11.34	0-1	0.0
	64	35	11.65	11.48	11.29	0	0.0
	64	69	11.66	11.47	11.42	0-1	0.0
	128	0	11.65	11.49	11.31		0.0
DFT-s-OFDM 16QAM	1	1	11.50	11.32	11.57	0-1	0.0
CP-OFDM QPSK	1	1	11.70	11.39	11.28	0-1.5	0.0

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Table 159
NR Band n41 Measured P_{limit} Ant 3 - 40 MHz Bandwidth

NR Band n41 40 MHz Bandwidth								
			Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	503202 (2516.01 MHz)	513468 (2567.34 MHz)	523734 (2618.67 MHz)	534000 (2670 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM $\pi/2$ BPSK	1	1	11.72	11.65	11.58	11.55	0	0.0
	1	53	11.68	11.55	11.50	11.54		0.0
	1	104	11.62	11.50	11.55	11.50		0.0
	50	0	11.59	11.55	11.49	11.51	0-0.5	0.0
	50	28	11.55	11.59	11.44	11.40	0	0.0
	50	56	11.63	11.48	11.39	11.37	0-0.5	0.0
	100	0	11.60	11.52	11.47	11.41		0.0
DFT-s-OFDM QPSK	1	1	11.69	11.62	11.57	11.54	0	0.0
	1	53	11.58	11.45	11.42	11.47		0.0
	1	104	11.61	11.52	11.57	11.49		0.0
	50	0	11.64	11.52	11.48	11.42	0-1	0.0
	50	28	11.57	11.45	11.40	11.37	0	0.0
	50	56	11.59	11.46	11.46	11.41	0-1	0.0
	100	0	11.62	11.52	11.46	11.36		0.0
DFT-s-OFDM 16QAM	1	1	11.36	11.38	11.40	11.35	0-1	0.0
CP-OFDM QPSK	1	1	11.72	11.60	11.53	11.52	0-1.5	0.0

Table 160
NR Band n41 Measured P_{limit} Ant 3 - 20 MHz Bandwidth

NR Band n41									
20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Channel					MPR Allowed per 3GPP [dB]	MPR [dB]
			501204 (2506.02 MHz)	509898 (2549.49 MHz)	518598 (2592.99 MHz)	527298 (2636.49 MHz)	535998 (2679.99 MHz)		
			Conducted Power [dBm]						
DFT-s-OFDM $\pi/2$ BPSK	1	1	11.82	11.72	11.56	11.52	11.47	0	0.0
	1	26	11.72	11.57	11.50	11.47	11.42		0.0
	1	49	11.74	11.59	11.52	11.49	11.41		0.0
	25	0	11.69	11.61	11.49	11.43	11.38	0-0.5	0.0
	25	13	11.63	11.59	11.51	11.40	11.32	0	0.0
	25	26	11.65	11.53	11.47	11.43	11.30	0-0.5	0.0
	50	0	11.62	11.52	11.46	11.40	11.35		0.0
DFT-s-OFDM QPSK	1	1	11.59	11.65	11.55	11.47	11.43	0	0.0
	1	26	11.67	11.47	11.43	11.37	11.36		0.0
	1	49	11.46	11.52	11.47	11.38	11.33		0.0
	25	0	11.50	11.60	11.48	11.40	11.38	0-1	0.0
	25	13	11.64	11.56	11.48	11.35	11.32	0	0.0
	25	26	11.64	11.53	11.50	11.42	11.39	0-1	0.0
	50	0	11.65	11.53	11.48	11.43	11.35		0.0
DFT-s-OFDM 16QAM	1	1	11.40	11.38	11.48	11.47	11.40	0-1	0.0
CP-OFDM QPSK	1	1	11.68	11.59	11.56	11.52	11.45	0-1.5	0.0

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Table 161
NR Band n41 Measured P_{limit} Ant 2b - 90 MHz Bandwidth

NR Band n41 90 MHz Bandwidth						
Modulation	RB Size	RB Offset	508200 (2541 MHz)	528996 (2644.98 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]			
DFT-s-OFDM $\pi/2$ BPSK	1	1	13.31	13.24	0	0.0
	1	123	13.17	13.21		0.0
	1	243	12.99	13.34		0.0
	120	0	13.09	13.15	0-0.5	0.0
	120	63	13.10	13.14	0	0.0
	120	125	12.99	13.07	0-0.5	0.0
	243	0	13.05	13.15		0.0
DFT-s-OFDM QPSK	1	1	13.35	13.14	0	0.0
	1	123	13.33	13.29		0.0
	1	243	12.84	12.81		0.0
	120	0	13.15	13.13	0-1	0.0
	120	63	13.06	13.14	0	0.0
	120	125	12.95	13.09	0-1	0.0
	243	0	13.02	13.19		0.0
DFT-s-OFDM 16QAM	1	1	13.16	13.02	0-1	0.0
CP-OFDM QPSK	1	1	13.45	13.23	0-1.5	0.0

Table 162
NR Band n41 Measured P_{limit} Ant 2b - 80 MHz Bandwidth

NR Band n41 80 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	507204 (2536.02 MHz)	529998 (2649.99 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM $\pi/2$ BPSK	1	1	13.43	13.35	0	0.0
	1	109	13.31	13.34		0.0
	1	215	13.05	13.43		0.0
	108	0	13.34	13.28	0-0.5	0.0
	108	55	13.24	13.16	0	0.0
	108	109	13.18	13.29	0-0.5	0.0
	216	0	13.23	13.24		0.0
DFT-s-OFDM QPSK	1	1	13.41	13.31	0	0.0
	1	109	13.34	13.20		0.0
	1	215	12.88	12.89		0.0
	108	0	13.34	13.29	0-1	0.0
	108	55	13.19	13.16	0	0.0
	108	109	13.13	13.27	0-1	0.0
	216	0	13.19	13.20		0.0
DFT-s-OFDM 16QAM	1	1	13.44	13.13	0-1	0.0
CP-OFDM QPSK	1	1	13.47	13.43	0-1.5	0.0

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Table 163
NR Band n41 Measured P_{limit} Ant 2b - 60 MHz Bandwidth

NR Band n41 60 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	505200 (2526 MHz)	518598 (2592.99 MHz)	531996 (2659.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	13.19	13.30	13.34	0	0.0
	1	81	13.00	13.39	13.36		0.0
	1	160	13.08	13.54	13.55		0.0
	81	0	13.05	13.28	13.48	0-0.5	0.0
	81	41	12.99	13.36	13.46	0	0.0
	81	81	13.14	13.36	13.54	0-0.5	0.0
	162	0	13.02	13.34	13.51		0.0
DFT-s-OFDM QPSK	1	1	13.09	13.18	13.33	0	0.0
	1	81	12.98	13.00	13.41		0.0
	1	160	13.07	12.87	13.31		0.0
	81	0	13.03	13.31	13.49	0-1	0.0
	81	41	13.03	13.31	13.46	0	0.0
	81	81	13.09	13.40	13.51	0-1	0.0
	162	0	13.03	13.34	13.52		0.0
DFT-s-OFDM 16QAM	1	1	13.14	13.48	13.51	0-1	0.0
CP-OFDM QPSK	1	1	13.15	13.11	13.12	0-1.5	0.0

Table 164
NR Band n41 Measured P_{limit} Ant 2b - 50 MHz Bandwidth

NR Band n41 50 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	504204 (2521.02 MHz)	518598 (2592.99 MHz)	532998 (2664.99 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	13.24	12.91	13.12	0	0.0
	1	67	13.09	12.88	12.94		0.0
	1	131	13.14	13.02	13.19		0.0
	64	0	13.12	12.83	12.99	0-0.5	0.5
	64	35	13.07	12.95	13.00	0	0.0
	64	69	13.15	13.00	13.02	0-0.5	0.0
	128	0	13.05	12.92	12.97		0.0
DFT-s-OFDM QPSK	1	1	13.26	12.98	13.09	0	0.0
	1	67	13.00	12.85	12.93		0.0
	1	131	13.18	12.80	13.18		0.0
	64	0	13.09	12.88	12.96	0-1	0.0
	64	35	13.07	12.92	13.07	0	0.0
	64	69	13.14	12.97	12.98	0-1	0.0
	128	0	13.05	12.93	13.06		0.0
DFT-s-OFDM 16QAM	1	1	13.29	13.01	13.13	0-1	0.0
CP-OFDM QPSK	1	1	13.24	12.94	13.14	0-1.5	0.0

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Table 165
NR Band n41 Measured P_{limit} Ant 2b - 40 MHz Bandwidth

NR Band n41 40 MHz Bandwidth								
			Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	503202 (2516.01 MHz)	513468 (2567.34 MHz)	523734 (2618.67 MHz)	534000 (2670 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM $\pi/2$ BPSK	1	1	13.11	12.84	12.91	12.91	0	0.0
	1	53	12.80	12.71	12.74	12.76		0.0
	1	104	12.95	12.89	12.90	12.83		0.0
	50	0	12.91	12.75	12.76	12.78	0-0.5	0.0
	50	28	12.82	12.72	12.73	12.75	0	0.0
	50	56	12.84	12.76	12.79	12.80	0-0.5	0.0
	100	0	12.81	12.76	12.80	12.79		0.0
DFT-s-OFDM QPSK	1	1	13.01	12.81	12.86	12.87	0	0.0
	1	53	12.77	12.68	12.80	12.95		0.0
	1	104	12.83	12.75	13.01	12.97		0.0
	50	0	12.93	12.80	12.77	12.74	0-1	0.0
	50	28	12.82	12.72	12.74	12.76	0	0.0
	50	56	12.85	12.77	12.74	12.81	0-1	0.0
	100	0	12.92	12.78	12.81	12.80		0.0
DFT-s-OFDM 16QAM	1	1	13.08	12.88	12.94	13.00	0-1	0.0
CP-OFDM QPSK	1	1	13.12	12.94	12.97	12.96	0-1.5	0.0

Table 166
NR Band n41 Measured P_{limit} Ant 2b - 20 MHz Bandwidth

NR Band n41 20 MHz Bandwidth									
			Channel					MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	501204 (2506.02 MHz)	509898 (2549.49 MHz)	518598 (2592.99 MHz)	527298 (2636.49 MHz)	535998 (2679.99 MHz)		
			Conducted Power [dBm]						
DFT-s-OFDM $\pi/2$ BPSK	1	1	13.17	12.97	12.90	13.09	13.05	0	0.0
	1	26	12.99	12.80	12.86	13.03	13.00		0.0
	1	49	13.03	12.90	12.97	13.07	13.04		0.0
	25	0	13.15	12.94	12.99	13.14	13.11	0-0.5	0.0
	25	13	13.09	12.86	12.97	13.11	13.06	0	0.0
	25	26	13.08	12.84	13.02	13.12	13.09	0-0.5	0.0
	50	0	13.14	12.93	12.96	13.08	13.04		0.0
DFT-s-OFDM QPSK	1	1	13.15	13.00	12.86	13.11	13.02	0	0.0
	1	26	12.97	12.89	12.82	13.05	12.99		0.0
	1	49	13.00	12.92	12.81	13.09	13.03		0.0
	25	0	13.12	12.97	12.94	13.14	13.08	0-1	0.0
	25	13	13.07	12.90	12.95	13.10	13.04	0	0.0
	25	26	13.10	12.88	12.94	13.12	13.04	0-1	0.0
	50	0	13.11	12.96	13.01	13.10	13.01		0.0
DFT-s-OFDM 16QAM	1	1	12.86	12.72	12.74	12.86	12.84	0-1	0.0
CP-OFDM QPSK	1	1	13.37	13.04	13.06	13.20	13.18	0-1.5	0.0

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Table 167
NR Band n41 Measured P_{limit} Ant 4b – 90 MHz Bandwidth

NR Band n41 90 MHz Bandwidth						
Modulation	RB Size	RB Offset	508200 (2541 MHz)	528996 (2644.98 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]			
DFT-s-OFDM $\pi/2$ BPSK	1	1	11.31	11.20	0	0.0
	1	123	11.12	11.29		0.0
	1	243	11.24	11.21		0.0
	120	0	11.09	11.19	0-0.5	0.0
	120	63	11.20	11.24	0	0.0
	120	125	11.18	11.23	0-0.5	0.0
	243	0	11.22	11.23		0.0
DFT-s-OFDM QPSK	1	1	11.32	11.23	0	0.0
	1	123	11.24	11.31		0.0
	1	243	11.25	11.15		0.0
	120	0	11.10	11.20	0-1	0.0
	120	63	11.18	11.27	0	0.0
	120	125	11.19	11.27	0-1	0.0
	243	0	11.20	11.20		0.0
DFT-s-OFDM 16QAM	1	1	11.30	11.35	0-1	0.0
CP-OFDM QPSK	1	1	11.27	11.17	0-1.5	0.0

Table 168
NR Band n41 Measured P_{limit} Ant 4b – 80 MHz Bandwidth

NR Band n41 80 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	507204 (2536.02 MHz)	529998 (2649.99 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM $\pi/2$ BPSK	1	1	11.32	11.18	0	0.0
	1	109	11.11	11.28		0.0
	1	215	11.18	11.14		0.0
	108	0	11.02	11.25	0-0.5	0.0
	108	55	11.03	11.27	0	0.0
	108	109	11.12	11.23	0-0.5	0.0
	216	0	11.08	11.22		0.0
DFT-s-OFDM QPSK	1	1	11.23	11.15	0	0.0
	1	109	11.05	11.21		0.0
	1	215	11.15	11.09		0.0
	108	0	11.05	11.20	0-1	0.0
	108	55	11.04	11.06	0	0.0
	108	109	11.17	11.14	0-1	0.0
	216	0	11.10	11.12		0.0
DFT-s-OFDM 16QAM	1	1	11.59	11.38	0-1	0.0
CP-OFDM QPSK	1	1	11.34	11.26	0-1.5	0.0

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Table 169
NR Band n41 Measured P_{limit} Ant 4b – 60 MHz Bandwidth

NR Band n41 60 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	505200 (2526 MHz)	518598 (2592.99 MHz)	531996 (2659.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	11.14	11.13	11.07	0	0.0
	1	81	10.94	11.18	11.22		0.0
	1	160	11.21	11.22	11.09		0.0
	81	0	11.11	11.16	11.16	0-0.5	0.0
	81	41	11.05	11.15	11.05	0	0.0
	81	81	11.19	11.24	11.15	0-0.5	0.0
	162	0	11.11	11.15	11.12		0.0
DFT-s-OFDM QPSK	1	1	11.28	11.11	11.16	0	0.0
	1	81	11.02	11.12	11.13		0.0
	1	160	11.21	11.25	11.15		0.0
	81	0	11.04	11.10	11.19	0-1	0.0
	81	41	11.02	11.08	11.10	0	0.0
	81	81	11.06	11.17	11.15	0-1	0.0
	162	0	11.11	11.07	11.10		0.0
DFT-s-OFDM 16QAM	1	1	11.10	11.19	11.20	0-1	0.0
CP-OFDM QPSK	1	1	11.28	11.04	11.06	0-1.5	0.0

Table 170
NR Band n41 Measured P_{limit} Ant 4b – 50 MHz Bandwidth

NR Band n41 50 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	504204 (2521.02 MHz)	518598 (2592.99 MHz)	532998 (2664.99 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	11.19	11.23	11.13	0	0.0
	1	67	11.05	11.14	11.05		0.0
	1	131	10.70	11.26	11.16		0.0
	64	0	11.05	11.17	11.09	0-0.5	0.0
	64	35	11.01	11.10	11.07	0	0.0
	64	69	11.09	11.26	11.10	0-0.5	0.0
	128	0	11.10	11.12	11.08		0.0
DFT-s-OFDM QPSK	1	1	11.22	11.25	11.32	0	0.0
	1	67	11.11	11.13	11.05		0.0
	1	131	10.64	11.20	11.13		0.0
	64	0	11.09	11.18	11.12	0-1	0.0
	64	35	10.91	11.17	11.08	0	0.0
	64	69	11.02	11.13	11.09	0-1	0.0
	128	0	11.00	11.15	11.05		0.0
DFT-s-OFDM 16QAM	1	1	11.22	11.24	11.21	0-1	0.0
CP-OFDM QPSK	1	1	11.14	11.21	11.14	0-1.5	0.0

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Table 171
NR Band n41 Measured P_{limit} Ant 4b – 40 MHz Bandwidth

NR Band n41 40 MHz Bandwidth								
			Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	503202 (2516.01 MHz)	513468 (2567.34 MHz)	523734 (2618.67 MHz)	534000 (2670 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM $\pi/2$ BPSK	1	1	11.29	11.01	11.16	11.19	0	0.0
	1	53	11.00	10.92	11.11	11.03		0.0
	1	104	11.11	11.12	11.25	11.10		0.0
	50	0	11.14	11.11	11.07	11.06	0-0.5	0.0
	50	28	11.00	11.00	11.13	11.08	0	0.0
	50	56	10.97	10.99	11.19	11.07	0-0.5	0.0
	100	0	11.05	10.97	11.16	11.06		0.0
DFT-s-OFDM QPSK	1	1	11.17	11.03	11.19	11.17	0	0.0
	1	53	11.00	11.01	11.02	11.04		0.0
	1	104	11.20	11.16	11.23	11.02		0.0
	50	0	11.10	10.97	11.05	11.03	0-1	0.0
	50	28	10.98	11.04	11.10	11.03	0	0.0
	50	56	11.09	11.05	11.17	11.11	0-1	0.0
	100	0	11.08	11.07	11.06	10.99		0.0
DFT-s-OFDM 16QAM	1	1	11.17	11.13	11.18	11.23	0-1	0.0
CP-OFDM QPSK	1	1	11.12	10.94	11.11	11.13	0-1.5	0.0

Table 172
NR Band n41 Measured P_{limit} Ant 4b – 20 MHz Bandwidth

NR Band n41 20 MHz Bandwidth									
			Channel					MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	501204 (2506.02 MHz)	509898 (2549.49 MHz)	518598 (2592.99 MHz)	527298 (2636.49 MHz)	535998 (2679.99 MHz)		
			Conducted Power [dBm]						
DFT-s-OFDM $\pi/2$ BPSK	1	1	11.24	11.14	11.09	11.00	10.97	0	0.0
	1	26	11.07	11.04	10.99	10.92	10.82		0.0
	1	49	11.08	11.07	11.05	11.00	10.83		0.0
	25	0	11.18	11.16	11.06	11.04	10.95	0-0.5	0.0
	25	13	11.10	11.18	11.04	11.03	10.90	0	0.0
	25	26	11.11	11.14	11.07	11.04	10.89	0-0.5	0.0
	50	0	11.19	11.13	11.06	11.02	10.88		0.0
DFT-s-OFDM QPSK	1	1	11.20	11.15	11.15	11.08	10.97	0	0.0
	1	26	11.06	11.19	11.03	10.91	10.84		0.0
	1	49	11.09	11.12	11.02	11.10	10.93		0.0
	25	0	11.17	11.16	11.06	11.08	10.96	0-1	0.0
	25	13	11.12	11.16	11.00	10.99	10.89	0	0.0
	25	26	11.10	11.13	11.03	11.07	10.91	0-1	0.0
	50	0	11.15	11.12	11.00	11.02	10.90		0.0
DFT-s-OFDM 16QAM	1	1	11.01	11.04	10.95	10.90	10.86	0-1	0.0
CP-OFDM QPSK	1	1	11.32	11.17	11.08	11.03	11.07	0-1.5	0.0

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1.2.7

NR Band n77

Table 173
NR Band n77 Measured P_{limit} Ant 1 – 90 MHz Bandwidth

NR Band n77 90 MHz Bandwidth							
Modulation	RB Size	RB Offset	649668 (3745.02 MHz)	656000 (3840 MHz)	662332 (3934.98 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	11.16	11.04	11.24	0	0.0
	1	123	12.09	11.06	11.53		0.0
	1	243	11.45	11.19	11.12		0.0
	120	0	11.48	10.85	11.37	0-0.5	0.0
	120	63	11.89	10.98	11.40	0	0.0
	120	125	11.72	11.10	11.26	0-0.5	0.0
	243	0	11.66	10.96	11.29		0.0
DFT-s-OFDM QPSK	1	1	11.27	10.98	11.32	0	0.0
	1	123	12.10	10.99	11.47		0.0
	1	243	11.44	11.22	11.09		0.0
	120	0	11.55	10.84	11.40	0-1	0.0
	120	63	11.90	10.99	11.37	0	0.0
	120	125	11.70	11.08	11.30	0-1	0.0
	243	0	11.62	10.91	11.25		0.0
DFT-s-OFDM 16QAM	1	1	11.19	10.97	11.04	0-1	0.0
CP-OFDM QPSK	1	1	11.15	10.95	11.17	0-1.5	0.0

Table 174
NR Band n77 Measured P_{limit} Ant 1 – 80 MHz Bandwidth

NR Band n77 80 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	649334 (3740.01 MHz)	656000 (3840 MHz)	662666 (3939.99 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	11.26	10.86	11.39	0	0.0
	1	109	12.09	11.12	11.55		0.0
	1	215	11.51	11.12	11.08		0.0
	108	0	11.52	10.93	11.42	0-0.5	0.0
	108	55	11.86	11.07	11.48	0	0.0
	108	109	11.93	11.11	11.32	0-0.5	0.0
	216	0	11.71	10.89	11.27		0.0
DFT-s-OFDM QPSK	1	1	11.30	10.97	11.39	0	0.0
	1	109	11.93	11.05	11.51		0.0
	1	215	11.60	11.23	11.05		0.0
	108	0	11.57	10.86	11.42	0-1	0.0
	108	55	11.88	11.04	11.46	0	0.0
	108	109	11.90	11.14	11.37	0-1	0.0
	216	0	11.62	10.94	11.26		0.0
DFT-s-OFDM 16QAM	1	1	11.21	10.79	11.41	0-1	0.0
CP-OFDM QPSK	1	1	11.24	10.83	11.24	0-1.5	0.0

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Table 175
NR Band n77 Measured P_{limit} Ant 1 – 60 MHz Bandwidth

NR Band n77 60 MHz Bandwidth								
			Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	648668 (3730.02 MHz)	653556 (3803.34 MHz)	658444 (3876.66 MHz)	663332 (3949.98 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM $\pi/2$ BPSK	1	1	11.77	11.71	11.81	11.62	0	0.0
	1	81	11.81	11.68	11.65	11.81		0.0
	1	160	11.81	11.61	11.91	11.87		0.0
	81	0	11.65	11.78	11.71	11.74	0-0.5	0.0
	81	41	11.72	11.65	11.68	11.69	0	0.0
	81	81	11.83	11.74	11.82	11.22	0-0.5	0.0
	162	0	11.75	11.73	11.71	11.81		0.0
DFT-s-OFDM QPSK	1	1	11.71	11.65	11.56	11.61	0	0.0
	1	81	11.76	11.84	11.77	11.51		0.0
	1	160	11.75	11.60	11.64	11.31		0.0
	81	0	11.85	11.72	11.78	11.51	0-1	0.0
	81	41	11.71	11.82	11.72	11.51	0	0.0
	81	81	11.83	11.65	11.75	11.54	0-1	0.0
	162	0	11.81	11.81	11.67	11.31		0.0
DFT-s-OFDM 16QAM	1	1	11.71	11.74	11.61	11.71	0-1	0.0
CP-OFDM QPSK	1	1	11.81	11.72	11.57	11.55	0-1.5	0.0

Table 176
NR Band n77 Measured P_{limit} Ant 1 – 50 MHz Bandwidth

NR Band n77 50 MHz Bandwidth									
			Channel					MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	648334 (3725.01 MHz)	652166 (3782.49 MHz)	656000 (3840 MHz)	659834 (3897.51 MHz)	663666 (3954.99 MHz)		
			Conducted Power [dBm]						
DFT-s-OFDM $\pi/2$ BPSK	1	1	11.96	11.80	11.22	11.35	11.33	0	0.0
	1	67	11.88	11.93	11.24	11.40	11.61		0.0
	1	131	12.12	11.82	11.20	11.49	11.42		0.0
	64	0	11.94	11.92	11.20	11.25	11.37	0-0.5	0.0
	64	35	11.88	11.81	11.18	11.36	11.57	0	0.0
	64	69	11.91	11.86	11.23	11.39	11.67	0-0.5	0.0
	128	0	11.90	11.84	11.14	11.39	11.50		0.0
DFT-s-OFDM QPSK	1	1	11.94	11.91	11.13	11.30	11.39	0	0.0
	1	67	11.80	11.94	11.25	11.36	11.62		0.0
	1	131	11.71	11.86	11.19	11.23	11.34		0.0
	64	0	11.78	11.81	11.15	11.34	11.46	0-1	0.0
	64	35	11.89	11.71	11.17	11.39	11.51	0	0.0
	64	69	11.81	11.84	11.13	11.35	11.41	0-1	0.0
	128	0	11.91	11.78	11.01	11.50	11.29		0.0
DFT-s-OFDM 16QAM	1	1	11.88	11.87	11.31	11.61	11.48	0-1	0.0
CP-OFDM QPSK	1	1	11.85	11.96	11.32	11.67	11.47	0-1.5	0.0

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Table 177
NR Band n77 Measured P_{limit} Ant 1 – 40 MHz Bandwidth

NR Band n77 40 MHz Bandwidth										
			Channel						MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	648000 (3720 MHz)	651200 (3768 MHz)	654400 (3816 MHz)	657600 (3864 MHz)	660800 (3912 MHz)	664000 (3960 MHz)		
			Conducted Power [dBm]							
DFT-s-OFDM $\pi/2$ BPSK	1	1	11.75	11.70	11.12	11.41	11.45	11.20	0	0.0
	1	53	11.71	11.65	10.76	11.54	11.44	11.35		0.0
	1	104	12.00	11.38	11.36	11.63	11.40	11.45		0.0
	50	0	11.56	11.64	10.85	11.29	11.45	11.28	0-0.5	0.0
	50	28	11.71	11.62	10.90	11.45	11.34	11.27	0	0.0
	50	56	11.68	11.46	11.08	11.46	11.33	11.41	0-0.5	0.0
	100	0	11.65	11.60	10.90	11.42	11.35	11.31		0.0
DFT-s-OFDM QPSK	1	1	11.70	11.63	11.09	11.48	11.51	11.29	0	0.0
	1	53	11.57	11.59	10.87	11.51	11.47	11.25		0.0
	1	104	11.79	11.45	11.28	11.54	11.27	11.46		0.0
	50	0	11.63	11.61	10.92	11.33	11.47	11.26	0-1	0.0
	50	28	11.64	11.65	10.84	11.43	11.40	11.22	0	0.0
	50	56	11.81	11.51	11.10	11.32	11.31	11.39	0-1	0.0
	100	0	11.59	11.58	10.90	11.34	11.40	11.32		0.0
DFT-s-OFDM 16QAM	1	1	11.99	11.80	11.21	11.55	11.67	11.44	0-1	0.0
CP-OFDM QPSK	1	1	11.60	11.90	11.24	11.50	11.41	11.51	0-1.5	0.0

Table 178
NR Band n77 Measured P_{limit} Ant 1 – 20 MHz Bandwidth

NR Band n77 20 MHz Bandwidth										
			Channel						MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	647334 (3710.01 MHz)	650800 (3762 MHz)	654266 (3813.99 MHz)	657734 (3866.01 MHz)	661200 (3918 MHz)	664666 (3969.99 MHz)		
			Conducted Power [dBm]							
DFT-s-OFDM $\pi/2$ BPSK	1	1	11.75	11.70	11.20	11.52	11.40	11.54	0	0.0
	1	26	11.71	11.74	10.84	11.20	11.33	11.37		0.0
	1	49	11.67	11.77	11.00	11.35	11.40	11.58		0.0
	25	0	11.68	11.65	10.93	11.39	11.42	11.51	0-0.5	0.0
	25	13	11.76	11.62	10.86	11.33	11.31	11.43	0	0.0
	25	26	11.75	11.58	10.89	11.30	11.28	11.50	0-0.5	0.0
	50	0	11.68	11.72	10.93	11.35	11.32	11.49		0.0
DFT-s-OFDM QPSK	1	1	11.75	11.65	11.07	11.58	11.36	11.55	0	0.0
	1	26	11.68	11.73	10.99	11.47	11.35	11.41		0.0
	1	49	11.71	11.56	11.12	11.49	11.47	11.50		0.0
	25	0	11.72	11.60	10.92	11.37	11.36	11.47	0-1	0.0
	25	13	11.71	11.66	10.86	11.36	11.38	11.44	0	0.0
	25	26	11.74	11.55	10.96	11.38	11.33	11.51	0-1	0.0
	50	0	11.68	11.60	10.88	11.33	11.32	11.40		0.0
DFT-s-OFDM 16QAM	1	1	12.00	11.83	11.10	11.76	11.57	11.60	0-1	0.0
CP-OFDM QPSK	1	1	11.80	11.74	11.31	11.90	11.45	11.51	0-1.5	0.0

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Table 179
NR Band n77 Measured P_{limit} Ant 3 – 90 MHz Bandwidth

NR Band n77 90 MHz Bandwidth							
Modulation	RB Size	RB Offset	649668 (3745.02 MHz)	656000 (3840 MHz)	662332 (3934.98 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	9.95	9.78	10.03	0	0.0
	1	123	10.13	10.02	9.71		0.0
	1	243	9.70	10.09	9.89		0.0
	120	0	10.06	9.77	9.88	0-0.5	0.0
	120	63	10.15	9.98	9.73	0	0.0
	120	125	10.03	10.07	9.72	0-0.5	0.0
	243	0	10.07	9.86	9.85		0.0
DFT-s-OFDM QPSK	1	1	10.00	9.73	10.00	0	0.0
	1	123	10.29	9.91	9.72		0.0
	1	243	9.80	10.01	9.74		0.0
	120	0	10.11	9.77	9.91	0-1	0.0
	120	63	10.14	9.96	9.75	0	0.0
	120	125	10.02	10.09	9.74	0-1	0.0
	243	0	10.11	9.82	9.71		0.0
DFT-s-OFDM 16QAM	1	1	10.40	9.77	9.75	0-1	0.0
CP-OFDM QPSK	1	1	10.06	9.70	9.73	0-1.5	0.0

Table 180
NR Band n77 Measured P_{limit} Ant 3 – 80 MHz Bandwidth

NR Band n77 80 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	649334 (3740.01 MHz)	656000 (3840 MHz)	662666 (3939.99 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	10.28	9.88	10.33	0	0.0
	1	109	10.07	10.12	10.00		0.0
	1	215	10.15	10.39	10.09		0.0
	108	0	10.15	9.87	10.09	0-0.5	0.0
	108	55	10.05	10.12	10.02	0	0.0
	108	109	10.01	10.36	10.06	0-0.5	0.0
	216	0	10.09	10.09	10.08		0.0
DFT-s-OFDM QPSK	1	1	10.26	9.78	10.35	0	0.0
	1	109	9.96	10.06	9.88		0.0
	1	215	10.15	10.36	10.08		0.0
	108	0	10.17	9.93	10.11	0-1	0.0
	108	55	10.01	10.13	9.99	0	0.0
	108	109	9.98	10.35	10.07	0-1	0.0
	216	0	10.10	10.10	10.09		0.0
DFT-s-OFDM 16QAM	1	1	10.27	10.11	10.59	0-1	0.0
CP-OFDM QPSK	1	1	10.06	9.81	10.31	0-1.5	0.0

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Table 181
NR Band n77 Measured P_{limit} Ant 3 – 60 MHz Bandwidth

NR Band n77 60 MHz Bandwidth								
			Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	648668 (3730.02 MHz)	653556 (3803.34 MHz)	658444 (3876.66 MHz)	663332 (3949.98 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM $\pi/2$ BPSK	1	1	10.28	10.23	10.58	9.80	0	0.0
	1	81	10.37	10.47	10.25	9.97		0.0
	1	160	10.45	10.74	10.34	9.96		0.0
	81	0	10.45	10.22	10.34	9.87	0-0.5	0.0
	81	41	10.35	10.47	10.27	10.07	0	0.0
	81	81	10.31	10.71	10.31	9.94	0-0.5	0.0
	162	0	10.39	10.44	10.33	9.99		0.0
DFT-s-OFDM QPSK	1	1	10.26	10.13	10.60	9.94	0	0.0
	1	81	10.26	10.41	10.13	9.99		0.0
	1	160	10.45	10.71	10.33	9.86		0.0
	81	0	10.47	10.28	10.36	9.98	0-1	0.0
	81	41	10.31	10.48	10.24	9.92	0	0.0
	81	81	10.28	10.70	10.32	10.01	0-1	0.0
	162	0	10.40	10.45	10.34	9.91		0.0
DFT-s-OFDM 16QAM	1	1	10.57	10.46	10.84	9.79	0-1	0.0
CP-OFDM QPSK	1	1	10.36	10.16	10.56	9.86	0-1.5	0.0

Table 182
NR Band n77 Measured P_{limit} Ant 3 – 50 MHz Bandwidth

NR Band n77									
50 MHz Bandwidth									
			Channel					MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	648334 (3725.01 MHz)	652166 (3782.49 MHz)	656000 (3840 MHz)	659834 (3897.51 MHz)	663666 (3954.99 MHz)		
			Conducted Power [dBm]						
DFT-s-OFDM $\pi/2$ BPSK	1	1	10.04	10.12	10.17	10.00	9.98	0	0.0
	1	67	10.08	10.22	10.20	10.07	10.00		0.0
	1	131	10.12	10.17	10.19	9.89	9.93		0.0
	64	0	10.05	10.19	10.23	9.97	9.88	0-0.5	0.0
	64	35	10.08	10.27	10.31	9.99	9.91	0	0.0
	64	69	10.03	10.25	10.27	9.90	9.84	0-0.5	0.0
	128	0	10.05	10.28	10.25	9.95	9.83		0.0
DFT-s-OFDM QPSK	1	1	10.00	10.08	10.10	10.02	9.95	0	0.0
	1	67	10.05	10.15	10.18	10.11	9.99		0.0
	1	131	10.07	10.18	10.23	9.97	10.03		0.0
	64	0	9.98	10.13	10.20	10.01	9.97	0-1	0.0
	64	35	10.02	10.20	10.28	9.95	9.87	0	0.0
	64	69	9.94	10.25	10.23	9.96	9.85	0-1	0.0
	128	0	9.93	10.22	10.29	9.89	9.82		0.0
DFT-s-OFDM 16QAM	1	1	10.00	10.08	10.13	9.99	9.78	0-1	0.0
CP-OFDM QPSK	1	1	10.05	10.12	10.14	10.01	9.92	0-1.5	0.0

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Table 183
NR Band n77 Measured P_{limit} Ant 3 – 40 MHz Bandwidth

NR Band n77 40 MHz Bandwidth										
			Channel						MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	648000 (3720 MHz)	651200 (3768 MHz)	654400 (3816 MHz)	657600 (3864 MHz)	660800 (3912 MHz)	664000 (3960 MHz)		
			Conducted Power [dBm]							
DFT-s-OFDM $\pi/2$ BPSK	1	1	10.10	10.29	10.60	10.16	10.03	9.97	0	0.0
	1	53	10.18	10.25	10.52	10.27	10.04	10.05		0.0
	1	104	10.50	10.58	10.51	10.11	9.97	10.01		0.0
	50	0	10.03	10.26	10.44	10.09	10.20	10.00	0-0.5	0.0
	50	28	10.14	10.29	10.45	10.01	10.11	9.83	0	0.0
	50	56	10.32	10.53	10.49	10.13	10.09	9.99	0-0.5	0.0
100	0	10.12	10.26	10.50	10.04	10.14	9.93	0.0		
DFT-s-OFDM QPSK	1	1	10.10	10.27	10.54	10.06	10.08	9.99	0	0.0
	1	53	10.08	10.22	10.40	10.23	10.00	10.05		0.0
	1	104	10.50	10.52	10.50	10.21	9.90	10.01		0.0
	50	0	9.96	10.20	10.42	10.03	10.14	9.77	0-1	0.0
	50	28	10.05	10.33	10.45	9.98	10.11	9.84	0	0.0
	50	56	10.22	10.53	10.52	10.16	10.11	10.03	0-1	0.0
100	0	10.11	10.24	10.47	9.98	10.13	9.89	0.0		
DFT-s-OFDM 16QAM	1	1	9.80	10.66	10.80	10.58	10.35	10.27	0-1	0.0
CP-OFDM QPSK	1	1	10.03	10.22	10.57	10.19	10.07	10.04	0-1.5	0.0

Table 184
NR Band n77 Measured P_{limit} Ant 3 – 20 MHz Bandwidth

NR Band n77 20 MHz Bandwidth										
			Channel						MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	647334 (3710.01 MHz)	650800 (3762 MHz)	654266 (3813.99 MHz)	657734 (3866.01 MHz)	661200 (3918 MHz)	664666 (3969.99 MHz)		
			Conducted Power [dBm]							
DFT-s-OFDM $\pi/2$ BPSK	1	1	10.22	10.22	10.69	10.39	10.38	10.20	0	0.0
	1	26	10.10	10.39	10.74	10.33	10.28	10.37		0.0
	1	49	10.19	10.33	10.64	10.40	10.28	10.39		0.0
	25	0	10.05	10.30	10.68	10.32	10.32	10.23	0-0.5	0.0
	25	13	9.99	10.31	10.63	10.35	10.33	10.34	0	0.0
	25	26	10.09	10.36	10.59	10.37	10.39	10.32	0-0.5	0.0
	50	0	10.09	10.32	10.64	10.33	10.27	10.29		0.0
DFT-s-OFDM QPSK	1	1	10.15	10.25	10.60	10.39	10.33	10.25	0	0.0
	1	26	10.02	10.38	10.56	10.34	10.29	10.32		0.0
	1	49	10.23	10.34	10.72	10.44	10.42	10.43		0.0
	25	0	10.04	10.30	10.65	10.33	10.30	10.22	0-1	0.0
	25	13	10.00	10.38	10.61	10.30	10.34	10.30	0	0.0
	25	26	10.12	10.35	10.61	10.35	10.33	10.39	0-1	0.0
	50	0	10.11	10.30	10.61	10.39	10.37	10.32		0.0
DFT-s-OFDM 16QAM	1	1	10.35	10.55	10.82	10.77	10.68	10.57	0-1	0.0
CP-OFDM QPSK	1	1	10.25	10.39	10.64	10.50	10.43	10.20	0-1.5	0.0

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Table 185
NR Band n77 Measured P_{limit} Ant 2a – 90 MHz Bandwidth

NR Band n77 90 MHz Bandwidth							
Modulation	RB Size	RB Offset	649668 (3745.02 MHz)	656000 (3840 MHz)	662332 (3934.98 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	9.60	10.08	10.01	0	0.0
	1	123	10.15	10.00	10.05		0.0
	1	243	10.18	9.98	9.97		0.0
	120	0	9.80	9.99	9.96	0-0.5	0.0
	120	63	10.10	9.98	10.06	0	0.0
	120	125	10.19	9.89	9.95	0-0.5	0.0
	243	0	10.09	9.90	10.05		0.0
DFT-s-OFDM QPSK	1	1	9.52	10.06	10.01	0	0.0
	1	123	10.16	9.96	9.98		0.0
	1	243	10.15	10.01	10.03		0.0
	120	0	9.77	9.93	9.91	0-1	0.0
	120	63	10.14	9.96	10.02	0	0.0
	120	125	10.26	9.98	10.00	0-1	0.0
	243	0	10.07	9.93	9.98		0.0
DFT-s-OFDM 16QAM	1	1	9.74	10.30	10.12	0-1	0.0
CP-OFDM QPSK	1	1	9.64	10.15	10.05	0-1.5	0.0

Table 186
NR Band n77 Measured P_{limit} Ant 2a – 80 MHz Bandwidth

NR Band n77 80 MHz Bandwidth							
Channel						MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	649334 (3740.01 MHz)	656000 (3840 MHz)	662666 (3939.99 MHz)		
Conducted Power [dBm]							
DFT-s-OFDM $\pi/2$ BPSK	1	1	9.70	10.29	10.05	0	0.0
	1	109	10.10	10.10	10.03		0.0
	1	215	10.24	9.98	10.08		0.0
	108	0	9.97	10.15	10.11	0-0.5	0.0
	108	55	10.15	10.12	10.09	0	0.0
	108	109	10.30	10.08	10.21	0-0.5	0.0
	216	0	10.10	10.05	10.04		0.0
DFT-s-OFDM QPSK	1	1	9.60	10.18	9.99	0	0.0
	1	109	10.12	10.15	10.05		0.0
	1	215	10.20	10.03	10.11		0.0
	108	0	9.89	10.12	10.09	0-1	0.0
	108	55	10.12	10.10	10.08	0	0.0
	108	109	10.28	10.12	10.11	0-1	0.0
	216	0	10.04	10.10	10.13		0.0
DFT-s-OFDM 16QAM	1	1	9.80	10.40	9.99	0-1	0.0
CP-OFDM QPSK	1	1	9.70	10.25	9.98	0-1.5	0.0

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Table 187
NR Band n77 Measured P_{limit} Ant 2a – 60 MHz Bandwidth

NR Band n77 60 MHz Bandwidth								
			Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	648668 (3730.02 MHz)	653556 (3803.34 MHz)	658444 (3876.66 MHz)	663332 (3949.98 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM $\pi/2$ BPSK	1	1	9.45	10.00	9.89	9.87	0	0.0
	1	81	9.77	10.05	9.95	10.01		0.0
	1	160	9.90	10.04	10.01	10.00		0.0
	81	0	9.68	10.18	9.89	10.13	0-0.5	0.0
	81	41	9.77	10.17	9.93	10.08	0	0.0
	81	81	9.99	10.20	10.00	10.01	0-0.5	0.0
162	0	9.72	10.02	9.91	9.98	0.0		
DFT-s-OFDM QPSK	1	1	9.30	9.95	9.70	9.90	0	0.0
	1	81	9.74	10.06	9.94	10.05		0.0
	1	160	9.93	10.00	10.00	9.94		0.0
	81	0	9.60	10.09	9.82	9.90	0-1	0.0
	81	41	9.75	10.17	9.98	10.04	0	0.0
	81	81	9.92	10.10	10.05	10.11	0-1	0.0
	162	0	9.73	10.09	9.90	10.04		0.0
DFT-s-OFDM 16QAM	1	1	9.60	10.10	9.97	10.05	0-1	0.0
CP-OFDM QPSK	1	1	9.33	10.00	9.75	9.88	0-1.5	0.0

Table 188
NR Band n77 Measured P_{limit} Ant 2a – 50 MHz Bandwidth

NR Band n77 50 MHz Bandwidth									
			Channel					MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	648334 (3725.01 MHz)	652166 (3782.49 MHz)	656000 (3840 MHz)	659834 (3897.51 MHz)	663666 (3954.99 MHz)		
			Conducted Power [dBm]						
DFT-s-OFDM $\pi/2$ BPSK	1	1	9.47	9.40	10.15	9.43	9.48	0	0.0
	1	67	9.40	9.32	10.13	9.39	9.44		0.0
	1	131	9.35	9.43	10.14	9.55	9.52		0.0
	64	0	9.32	9.33	10.10	9.54	9.47	0-0.5	0.0
	64	35	9.37	9.25	10.12	9.52	9.40	0	0.0
	64	69	9.29	9.37	10.13	9.45	9.38	0-0.5	0.0
	128	0	9.36	9.32	10.08	9.41	9.37		0.0
DFT-s-OFDM QPSK	1	1	9.38	9.32	10.00	9.36	9.34	0	0.0
	1	67	9.42	9.25	10.09	9.42	9.41		0.0
	1	131	9.37	9.44	10.21	9.58	9.52		0.0
	64	0	9.36	9.32	10.10	9.40	9.39	0-1	0.0
	64	35	9.30	9.27	10.15	9.49	9.38	0	0.0
	64	69	9.25	9.30	10.10	9.47	9.32	0-1	0.0
	128	0	9.35	9.32	10.12	9.42	9.35		0.0
DFT-s-OFDM 16QAM	1	1	9.54	9.48	10.24	9.58	9.53	0-1	0.0
CP-OFDM QPSK	1	1	9.32	9.38	9.67	9.34	9.36	0-1.5	0.0

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Table 189
NR Band n77 Measured P_{limit} Ant 2a – 40 MHz Bandwidth

NR Band n77 40 MHz Bandwidth										
			Channel						MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	648000 (3720 MHz)	651200 (3768 MHz)	654400 (3816 MHz)	657600 (3864 MHz)	660800 (3912 MHz)	664000 (3960 MHz)		
			Conducted Power [dBm]							
DFT-s-OFDM $\pi/2$ BPSK	1	1	9.87	9.80	9.80	9.71	9.92	9.85	0	0.0
	1	53	9.80	9.73	9.74	9.69	9.88	9.92		0.0
	1	104	9.69	9.62	9.71	9.82	9.85	9.92		0.0
	50	0	9.70	9.78	9.75	9.91	9.69	9.70	0-0.5	0.0
	50	28	9.75	9.71	9.83	9.71	9.74	9.83	0	0.0
	50	56	9.68	9.74	9.74	9.82	9.70	9.85	0-0.5	0.0
	100	0	9.63	9.81	9.81	9.61	9.77	9.79		0.0
DFT-s-OFDM QPSK	1	1	9.69	9.74	9.75	9.81	9.94	9.83	0	0.0
	1	53	9.71	9.75	9.80	9.73	9.78	9.90		0.0
	1	104	9.61	9.81	9.76	9.82	9.90	9.96		0.0
	50	0	9.67	9.68	9.72	9.81	9.69	9.81	0-1	0.0
	50	28	9.71	9.71	9.82	9.77	9.77	9.80	0	0.0
	50	56	9.68	9.75	9.71	9.75	9.72	9.81	0-1	0.0
	100	0	9.71	9.81	9.75	9.83	9.75	9.85		0.0
DFT-s-OFDM 16QAM	1	1	9.71	9.73	9.82	9.76	9.66	9.67	0-1	0.0
CP-OFDM QPSK	1	1	9.48	9.81	9.71	9.82	9.71	9.83	0-1.5	0.0

Table 190
NR Band n77 Measured P_{limit} Ant 2a – 20 MHz Bandwidth

NR Band n77 20 MHz Bandwidth										
			Channel						MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	647334 (3710.01 MHz)	650800 (3762 MHz)	654266 (3813.99 MHz)	657734 (3866.01 MHz)	661200 (3918 MHz)	664666 (3969.99 MHz)		
			Conducted Power [dBm]							
DFT-s-OFDM $\pi/2$ BPSK	1	1	9.93	9.78	9.98	9.87	10.09	10.03	0	0.0
	1	26	10.05	9.89	9.83	9.76	9.96	10.10		0.0
	1	49	9.87	9.71	9.76	9.83	10.00	10.02		0.0
	25	0	9.90	9.64	9.69	9.99	9.83	9.82	0-0.5	0.0
	25	13	9.93	9.76	9.78	9.82	9.84	9.95	0	0.0
	25	26	9.91	9.83	9.81	9.67	9.85	9.93	0-0.5	0.0
	50	0	9.82	9.70	9.71	9.73	9.80	9.90		0.0
DFT-s-OFDM QPSK	1	1	9.98	9.83	9.90	9.95	10.08	9.98	0	0.0
	1	26	9.92	9.80	9.95	9.82	9.78	10.11		0.0
	1	49	10.01	9.81	9.83	9.87	10.13	10.04		0.0
	25	0	9.86	9.72	9.76	10.01	9.85	9.91	0-1	0.0
	25	13	9.92	9.76	9.77	9.90	9.89	9.91	0	0.0
	25	26	9.93	9.81	9.75	9.77	9.83	9.93	0-1	0.0
	50	0	9.86	9.63	9.73	9.78	9.83	9.90		0.0
DFT-s-OFDM 16QAM	1	1	9.78	9.75	9.80	9.73	9.81	9.83	0-1	0.0
CP-OFDM QPSK	1	1	9.78	9.70	9.73	9.78	9.83	9.92	0-1.5	0.0

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Table 191
NR Band n77 Measured P_{limit} Ant 4a – 90 MHz Bandwidth

NR Band n77 90 MHz Bandwidth							
Channel						MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	649668 (3745.02 MHz)	656000 (3840 MHz)	662332 (3934.98 MHz)		
Conducted Power [dBm]							
DFT-s-OFDM $\pi/2$ BPSK	1	1	10.49	11.16	10.88	0	0.0
	1	123	11.21	11.02	10.78		0.0
	1	243	11.16	11.02	10.81		0.0
	120	0	10.80	11.19	10.85	0-0.5	0.0
	120	63	10.93	11.22	10.80	0	0.0
	120	125	11.10	11.40	10.75	0-0.5	0.0
	243	0	10.92	11.29	10.74		0.0
DFT-s-OFDM QPSK	1	1	10.56	11.19	10.77	0	0.0
	1	123	11.17	11.10	10.89		0.0
	1	243	11.14	11.02	11.21		0.0
	120	0	10.73	11.00	11.09	0-1	0.0
	120	63	10.97	11.23	11.08	0	0.0
	120	125	11.11	11.38	11.12	0-1	0.0
	243	0	10.91	11.29	11.09		0.0
DFT-s-OFDM 16QAM	1	1	10.73	11.16	10.98	0-1	0.0
CP-OFDM QPSK	1	1	10.70	11.20	10.92	0-1.5	0.0

Table 192
NR Band n77 Measured P_{limit} Ant 4a – 80 MHz Bandwidth

NR Band n77 80 MHz Bandwidth							
Channel						MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	649334 (3740.01 MHz)	656000 (3840 MHz)	662666 (3939.99 MHz)		
Conducted Power [dBm]							
DFT-s-OFDM $\pi/2$ BPSK	1	1	10.72	11.16	11.00	0	0.0
	1	109	11.11	11.09	10.80		0.0
	1	215	11.20	11.12	10.81		0.0
	108	0	10.75	11.14	10.82	0-0.5	0.0
	108	55	10.99	11.15	10.77	0	0.0
	108	109	11.18	11.27	10.73	0-0.5	0.0
	216	0	10.95	11.10	10.75		0.0
DFT-s-OFDM QPSK	1	1	10.64	11.17	10.90	0	0.0
	1	109	11.06	11.09	11.05		0.0
	1	215	11.19	11.13	11.09		0.0
	108	0	10.80	11.12	11.10	0-1	0.0
	108	55	11.01	11.14	11.11	0	0.0
	108	109	11.21	11.26	11.16	0-1	0.0
	216	0	11.02	11.25	11.15		0.0
DFT-s-OFDM 16QAM	1	1	10.63	10.95	10.99	0-1	0.0
CP-OFDM QPSK	1	1	10.61	11.19	11.01	0-1.5	0.0

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Table 193
NR Band n77 Measured P_{limit} Ant 4a – 60 MHz Bandwidth

NR Band n77 60 MHz Bandwidth								
			Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	648668 (3730.02 MHz)	653556 (3803.34 MHz)	658444 (3876.66 MHz)	663332 (3949.98 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM $\pi/2$ BPSK	1	1	10.76	11.19	11.20	10.57	0	0.0
	1	81	11.01	11.40	11.35	10.74		0.0
	1	160	11.14	11.09	11.16	10.83		0.0
	81	0	10.66	11.32	11.00	10.71	0-0.5	0.0
	81	41	10.94	11.51	11.13	10.58	0	0.0
	81	81	11.12	11.48	11.01	10.62	0-0.5	0.0
	162	0	10.99	11.49	11.02	10.64		0.0
DFT-s-OFDM QPSK	1	1	10.75	11.25	11.16	10.51	0	0.0
	1	81	11.06	11.33	11.29	10.60		0.0
	1	160	11.27	11.14	11.11	10.66		0.0
	81	0	10.70	11.39	11.12	10.74	0-1	0.0
	81	41	10.93	11.36	11.04	10.58	0	0.0
	81	81	11.09	11.20	11.13	10.64	0-1	0.0
	162	0	10.96	11.13	11.02	10.59		0.0
DFT-s-OFDM 16QAM	1	1	10.70	11.11	11.26	10.50	0-1	0.0
CP-OFDM QPSK	1	1	10.71	11.33	10.91	10.47	0-1.5	0.0

Table 194
NR Band n77 Measured P_{limit} Ant 4a – 50 MHz Bandwidth

NR Band n77 50 MHz Bandwidth									
			Channel					MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	648334 (3725.01 MHz)	652166 (3782.49 MHz)	656000 (3840 MHz)	659834 (3897.51 MHz)	663666 (3954.99 MHz)		
			Conducted Power [dBm]						
DFT-s-OFDM $\pi/2$ BPSK	1	1	10.78	11.13	10.78	11.13	10.57	0	0.0
	1	67	10.74	11.31	10.70	10.86	10.67		0.0
	1	131	11.08	11.23	10.75	11.14	10.86		0.0
	64	0	10.64	11.22	10.74	11.11	10.59	0-0.5	0.0
	64	35	10.79	11.34	10.43	11.10	10.69	0	0.0
	64	69	10.93	11.45	10.73	11.09	10.69	0-0.5	0.0
	128	0	10.74	11.35	10.77	11.12	10.63		0.0
DFT-s-OFDM QPSK	1	1	10.71	11.07	10.82	11.11	10.62	0	0.0
	1	67	10.72	11.31	10.76	11.03	10.71		0.0
	1	131	10.97	11.42	10.72	11.04	10.91		0.0
	64	0	10.66	11.07	10.77	11.04	10.71	0-1	0.0
	64	35	10.78	11.13	10.85	11.12	10.68	0	0.0
	64	69	10.90	11.21	10.79	11.03	10.80	0-1	0.0
	128	0	10.75	11.36	10.75	11.13	10.62		0.0
DFT-s-OFDM 16QAM	1	1	10.71	11.29	10.75	11.18	10.71	0-1	0.0
CP-OFDM QPSK	1	1	10.80	11.07	10.65	11.00	10.43	0-1.5	0.0

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Table 195
NR Band n77 Measured P_{limit} Ant 4a – 40 MHz Bandwidth

NR Band n77 40 MHz Bandwidth										
			Channel						MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	648000 (3720 MHz)	651200 (3768 MHz)	654400 (3816 MHz)	657600 (3864 MHz)	660800 (3912 MHz)	664000 (3960 MHz)		
			Conducted Power [dBm]							
DFT-s-OFDM $\pi/2$ BPSK	1	1	10.70	10.79	10.68	11.00	11.17	10.64	0	0.0
	1	53	10.58	10.55	10.43	11.05	11.04	10.61		0.0
	1	104	10.77	10.44	11.02	11.15	11.14	10.75		0.0
	50	0	10.61	10.78	10.44	10.62	10.99	10.65	0-0.5	0.0
	50	28	10.66	10.69	10.36	10.54	11.07	10.67	0	0.0
	50	56	10.79	10.68	10.72	10.77	11.04	10.66	0-0.5	0.0
	100	0	10.88	10.78	10.69	11.08	11.07	10.65		0.0
DFT-s-OFDM QPSK	1	1	10.59	10.95	10.60	11.28	11.31	10.62	0	0.0
	1	53	10.50	10.63	10.38	11.29	11.11	10.54		0.0
	1	104	10.70	10.45	10.89	11.38	11.11	10.75		0.0
	50	0	10.54	10.75	10.42	10.56	11.07	10.60	0-1	0.0
	50	28	10.56	10.79	10.40	10.52	11.11	10.63	0	0.0
	50	56	10.66	10.69	10.71	10.75	11.12	10.73	0-1	0.0
	100	0	10.60	10.77	10.75	11.11	11.11	10.64		0.0
DFT-s-OFDM 16QAM	1	1	10.89	10.99	10.87	11.07	11.11	10.96	0-1	0.0
CP-OFDM QPSK	1	1	10.94	10.88	10.62	11.12	11.31	11.03	0-1.5	0.0

Table 196
NR Band n77 Measured P_{limit} Ant 4a – 20 MHz Bandwidth

NR Band n77 20 MHz Bandwidth										
			Channel						MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	647334 (3710.01 MHz)	650800 (3762 MHz)	654266 (3813.99 MHz)	657734 (3866.01 MHz)	661200 (3918 MHz)	664666 (3969.99 MHz)		
			Conducted Power [dBm]							
DFT-s-OFDM $\pi/2$ BPSK	1	1	10.23	10.67	10.85	10.86	10.71	10.67	0	0.0
	1	26	10.34	10.73	10.87	10.90	10.74	10.62		0.0
	1	49	10.35	10.60	10.89	10.88	10.89	10.74		0.0
	25	0	10.15	10.48	10.77	10.60	10.61	10.58	0-0.5	0.0
	25	13	10.00	10.61	10.67	10.58	10.62	10.39	0	0.0
	25	26	9.99	10.61	10.79	10.61	10.63	10.68	0-0.5	0.0
	50	0	9.98	10.63	10.76	10.57	10.67	10.59		0.0
DFT-s-OFDM QPSK	1	1	10.30	10.60	10.86	10.71	10.71	10.72	0	0.0
	1	26	10.10	10.65	10.92	10.63	10.72	10.65		0.0
	1	49	10.20	10.85	10.95	10.67	10.73	10.74		0.0
	25	0	10.07	10.68	10.85	10.63	10.59	10.59	0-1	0.0
	25	13	10.05	10.69	10.79	10.67	10.60	10.61	0	0.0
	25	26	10.10	10.66	10.90	10.61	10.63	10.66	0-1	0.0
	50	0	10.06	10.71	10.84	10.69	10.62	10.65		0.0
DFT-s-OFDM 16QAM	1	1	10.08	10.64	10.75	10.83	10.66	10.70	0-1	0.0
CP-OFDM QPSK	1	1	10.14	10.58	10.54	10.69	10.60	10.60	0-1.5	0.0

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APPENDIX G: POWER REDUCTION VERIFICATION

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The device supports manufacturer's proprietary power reduction mechanism called "Detect Mode" for the Main Cellular Antenna. Details of this mechanism can be found in the Operational Description. When the device is being used "on-body" or "held in hand" by the user, the device will detect motion and reduce the power of the main antenna. Per the manufacturer, the mechanism is agnostic to different cellular air interfaces. Detect Mode operation was verified for two test cases, on-body and held in hand, for each supported cellular band. The power reduction verification results are below.

1.1 Main Antenna Power Verification Summary

Table G-1
Main Antenna Power Verification

Model/Band	Antenna	Maximum Scenario Maximum Allowed Target Power [dBm]	Mode			
			Free Body Space	Test Case 1	Test Case 2	Verdict
GPRS 850 (2 Tx)	Antenna 1	29.50 (± 1)	30.49*	DSI 1*	DSI 1*	PASS
	Antenna 3	31.00 (± 1)	30.95*	DSI 1*	DSI 1*	PASS
GPRS 1900 (2 Tx)	Antenna 1	26.50 (± 1)	26.09*	DSI 1*	DSI 1*	PASS
	Antenna 3	29.00 (± 1)	29.33*	DSI 1*	DSI 1*	PASS
	Antenna 2b	26.50 (± 1)	26.35*	DSI 1*	DSI 1*	PASS
	Antenna 4b	29.00 (± 1)	28.99*	DSI 1*	DSI 1*	PASS
WCDMA B5	Antenna 1	22.90 (± 1)	22.95*	DSI 1*	DSI 1*	PASS
	Antenna 3	24.70 (± 1)	24.82*	DSI 1*	DSI 1*	PASS
WCDMA B4	Antenna 1	21.70 (± 1)	22.49*	DSI 1*	DSI 1*	PASS
	Antenna 3	24.70 (± 1)	25.27*	DSI 1*	DSI 1*	PASS
	Antenna 2b	22.20 (± 1)	22.89*	DSI 1*	DSI 1*	PASS
	Antenna 4b	24.20 (± 1)	24.90*	DSI 1*	DSI 1*	PASS
WCDMA B2	Antenna 1	21.70 (± 1)	22.27*	DSI 1*	DSI 1*	PASS
	Antenna 3	24.70 (± 1)	25.40*	DSI 1*	DSI 1*	PASS
	Antenna 2b	22.20 (± 1)	22.93*	DSI 1*	DSI 1*	PASS
	Antenna 4b	24.20 (± 1)	24.86*	DSI 1*	DSI 1*	PASS
LTE Band 71	Antenna 1	22.90 (± 1)	22.30*	DSI 1*	DSI 1*	PASS
	Antenna 3	24.70 (± 1)	24.07*	DSI 1*	DSI 1*	PASS
LTE Band 12	Antenna 1	22.90 (± 1)	22.10*	DSI 1*	DSI 1*	PASS
	Antenna 3	24.70 (± 1)	24.02*	DSI 1*	DSI 1*	PASS
LTE Band 17	Antenna 1	22.90 (± 1)	22.21*	DSI 1*	DSI 1*	PASS
	Antenna 3	24.70 (± 1)	23.97*	DSI 1*	DSI 1*	PASS
LTE Band 13	Antenna 1	22.90 (± 1)	22.13*	DSI 1*	DSI 1*	PASS
	Antenna 3	24.70 (± 1)	24.08*	DSI 1*	DSI 1*	PASS
LTE Band 14	Antenna 1	22.90 (± 1)	22.01*	DSI 1*	DSI 1*	PASS
	Antenna 3	24.70 (± 1)	23.97*	DSI 1*	DSI 1*	PASS
LTE Band 26	Antenna 1	22.90 (± 1)	22.06*	DSI 1*	DSI 1*	PASS
	Antenna 3	24.70 (± 1)	24.63*	DSI 1*	DSI 1*	PASS
LTE Band 5	Antenna 1	22.90 (± 1)	22.15*	DSI 1*	DSI 1*	PASS
	Antenna 3	24.70 (± 1)	23.88*	DSI 1*	DSI 1*	PASS
LTE Band 4	Antenna 1	21.70 (± 1)	21.44*	DSI 1*	DSI 1*	PASS
	Antenna 3	24.70 (± 1)	24.36*	DSI 1*	DSI 1*	PASS
	Antenna 2b	22.20 (± 1)	22.20*	DSI 1*	DSI 1*	PASS
	Antenna 4b	24.20 (± 1)	23.89*	DSI 1*	DSI 1*	PASS
LTE Band 66	Antenna 1	21.70 (± 1)	21.47*	DSI 1*	DSI 1*	PASS
	Antenna 3	24.70 (± 1)	24.42*	DSI 1*	DSI 1*	PASS
	Antenna 2b	22.20 (± 1)	22.09*	DSI 1*	DSI 1*	PASS
	Antenna 4b	24.20 (± 1)	23.95*	DSI 1*	DSI 1*	PASS
LTE Band 2	Antenna 1	21.70 (± 1)	21.30*	DSI 1*	DSI 1*	PASS
	Antenna 3	24.70 (± 1)	24.36*	DSI 1*	DSI 1*	PASS
	Antenna 2b	22.20 (± 1)	22.03*	DSI 1*	DSI 1*	PASS
	Antenna 4b	24.20 (± 1)	23.81*	DSI 1*	DSI 1*	PASS
LTE Band 25	Antenna 1	21.70 (± 1)	21.25*	DSI 1*	DSI 1*	PASS
	Antenna 3	24.70 (± 1)	24.35*	DSI 1*	DSI 1*	PASS
	Antenna 2b	22.20 (± 1)	22.04*	DSI 1*	DSI 1*	PASS
	Antenna 4b	24.20 (± 1)	23.71*	DSI 1*	DSI 1*	PASS
LTE Band 30	Antenna 1	19.20 (± 1)	20.07*	DSI 1*	DSI 1*	PASS
	Antenna 3	22.70 (± 1)	23.69*	DSI 1*	DSI 1*	PASS
	Antenna 2b	19.70 (± 1)	20.67*	DSI 1*	DSI 1*	PASS
	Antenna 4b	22.20 (± 1)	23.14*	DSI 1*	DSI 1*	PASS
LTE Band 7	Antenna 1	21.20 (± 1)	20.89*	DSI 1*	DSI 1*	PASS
	Antenna 3	24.70 (± 1)	24.49*	DSI 1*	DSI 1*	PASS
	Antenna 2b	21.70 (± 1)	21.98*	DSI 1*	DSI 1*	PASS
	Antenna 4b	24.20 (± 1)	24.01*	DSI 1*	DSI 1*	PASS
LTE Band 41 (PC3)	Antenna 1	20.90 (± 1)	21.26*	DSI 1*	DSI 1*	PASS
	Antenna 3	24.70 (± 1)	25.49*	DSI 1*	DSI 1*	PASS
	Antenna 2b	21.40 (± 1)	21.47*	DSI 1*	DSI 1*	PASS
	Antenna 4b	24.20 (± 1)	24.46*	DSI 1*	DSI 1*	PASS
LTE Band 41 (PC2)	Antenna 1	23.20 (± 1)	22.80*	DSI 1*	DSI 1*	PASS
	Antenna 3	26.70 (± 1)	27.50*	DSI 1*	DSI 1*	PASS
	Antenna 2b	23.70 (± 1)	24.02*	DSI 1*	DSI 1*	PASS
	Antenna 4b	26.20 (± 1)	26.59*	DSI 1*	DSI 1*	PASS
LTE Band 48	Antenna 1	17.50 (± 1)	17.17*	DSI 1*	DSI 1*	PASS
	Antenna 3	19.80 (± 1)	20.43*	DSI 1*	DSI 1*	PASS
	Antenna 2a	19.70 (± 1)	20.69*	DSI 1*	DSI 1*	PASS
	Antenna 4a	18.90 (± 1)	19.52*	DSI 1*	DSI 1*	PASS
LTE B5 Intra-Band ULCA	Antenna 1	22.90 (± 1)	22.94*	DSI 1*	DSI 1*	PASS
	Antenna 3	24.70 (± 1)	24.08*	DSI 1*	DSI 1*	PASS
LTE B7 Intra-Band ULCA	Antenna 1	21.20 (± 1)	21.19*	DSI 1*	DSI 1*	PASS
	Antenna 3	24.70 (± 1)	24.45*	DSI 1*	DSI 1*	PASS
	Antenna 2b	21.70 (± 1)	21.89*	DSI 1*	DSI 1*	PASS
	Antenna 4b	24.20 (± 1)	23.68*	DSI 1*	DSI 1*	PASS
LTE B48 Intra-Band ULCA	Antenna 1	17.50 (± 1)	17.77*	DSI 1*	DSI 1*	PASS
	Antenna 3	19.80 (± 1)	20.11*	DSI 1*	DSI 1*	PASS
	Antenna 2a	20.70 (± 1)	21.34*	DSI 1*	DSI 1*	PASS
	Antenna 4a	18.90 (± 1)	18.90*	DSI 1*	DSI 1*	PASS
LTE B41 (PC3) Intra-Band ULCA	Antenna 1	21.20 (± 1)	21.04*	DSI 1*	DSI 1*	PASS
	Antenna 3	24.70 (± 1)	24.47*	DSI 1*	DSI 1*	PASS
	Antenna 2b	21.40 (± 1)	21.98*	DSI 1*	DSI 1*	PASS
	Antenna 4b	24.20 (± 1)	24.10*	DSI 1*	DSI 1*	PASS
LTE B41 (PC2) Intra-Band ULCA	Antenna 1	23.50 (± 1)	22.80*	DSI 1*	DSI 1*	PASS
	Antenna 3	26.70 (± 1)	26.20*	DSI 1*	DSI 1*	PASS
	Antenna 2b	23.70 (± 1)	23.50*	DSI 1*	DSI 1*	PASS
	Antenna 4b	25.50 (± 1)	26.09*	DSI 1*	DSI 1*	PASS

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Table G-2
Main Antenna Power Verification (Cont.)

Mode/Band	Antenna	Maximum Scenario Maximum Allowed Target Power [dBm]	Mode			
			Free Body Space	Test Case 1	Test Case 2	Verdict
NR n71	Antenna 1	22.90 (± 1)	23.12*	DSI 1^	DSI 1^	PASS
	Antenna 3	24.70 (± 1)	24.87*	DSI 1^	DSI 1^	PASS
NR n12	Antenna 1	22.90 (± 1)	23.07*	DSI 1^	DSI 1^	PASS
	Antenna 3	24.70 (± 1)	24.88*	DSI 1^	DSI 1^	PASS
NR n5	Antenna 1	22.90 (± 1)	23.69*	DSI 1^	DSI 1^	PASS
	Antenna 3	24.70 (± 1)	25.45*	DSI 1^	DSI 1^	PASS
NR n66	Antenna 1	21.70 (± 1)	21.87*	DSI 1^	DSI 1^	PASS
	Antenna 3	24.70 (± 1)	24.79*	DSI 1^	DSI 1^	PASS
	Antenna 2b	22.20 (± 1)	22.56*	DSI 1^	DSI 1^	PASS
	Antenna 4b	24.20 (± 1)	24.39*	DSI 1^	DSI 1^	PASS
NR n2	Antenna 1	21.70 (± 1)	22.12*	DSI 1^	DSI 1^	PASS
	Antenna 3	24.70 (± 1)	25.11*	DSI 1^	DSI 1^	PASS
	Antenna 2b	22.20 (± 1)	22.93*	DSI 1^	DSI 1^	PASS
	Antenna 4b	24.20 (± 1)	24.90*	DSI 1^	DSI 1^	PASS
NR n25	Antenna 1	21.70 (± 1)	22.01*	DSI 1^	DSI 1^	PASS
	Antenna 3	24.70 (± 1)	25.19*	DSI 1^	DSI 1^	PASS
	Antenna 2b	22.20 (± 1)	22.95*	DSI 1^	DSI 1^	PASS
	Antenna 4b	24.20 (± 1)	24.86*	DSI 1^	DSI 1^	PASS
NR n41(PC3)	Antenna 1	24.70 (± 1)	24.94*	DSI 1^	DSI 1^	PASS
	Antenna 3	21.20 (± 1)	21.25*	DSI 1^	DSI 1^	PASS
	Antenna 2b	24.20 (± 1)	24.38*	DSI 1^	DSI 1^	PASS
	Antenna 4b	21.70 (± 1)	21.35*	DSI 1^	DSI 1^	PASS
NR n41(PC2)	Antenna 1	26.50 (± 1)	27.22*	DSI 1^	DSI 1^	PASS
	Antenna 3	23.00 (± 1)	23.63*	DSI 1^	DSI 1^	PASS
	Antenna 2b	26.00 (± 1)	26.93*	DSI 1^	DSI 1^	PASS
	Antenna 4b	23.00 (± 1)	23.61*	DSI 1^	DSI 1^	PASS
NR n77(PC3)	Antenna 1	20.70 (± 1)	19.71*	DSI 1^	DSI 1^	PASS
	Antenna 3	24.70 (± 1)	23.81*	DSI 1^	DSI 1^	PASS
	Antenna 2a	21.70 (± 1)	20.94*	DSI 1^	DSI 1^	PASS
	Antenna 4a	24.70 (± 1)	23.76*	DSI 1^	DSI 1^	PASS
NR n77(PC2)	Antenna 1	22.00 (± 1)	22.15*	DSI 1^	DSI 1^	PASS
	Antenna 3	26.00 (± 1)	26.01*	DSI 1^	DSI 1^	PASS
	Antenna 2a	23.00 (± 1)	23.07*	DSI 1^	DSI 1^	PASS
	Antenna 4a	26.00 (± 1)	26.11*	DSI 1^	DSI 1^	PASS

Test Case 1: Device Held in Hand

Test Case 2: Device Resting on Lap

* No Smart Transmission behavior was observed during the measurement.

^ Smart Transmission behavior was observed during the measurement.

Test Cases represent typical scenarios in which the device power would be reduced. In these scenarios detect mode has been verified to identify typical on-body use-cases including when thin objects, such as a magazine or newspaper are placed between the body and the device. In the absence of detect mode output, the device defaults to the most conservative power.

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APPENDIX H: DOWNLINK LTE CA RF CONDUCTED POWERS

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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.
- Downlink CA combinations for SISO and 4x4 Downlink MIMO operations were measured independently, per May 2017 TCBC Workshop notes.

Table 1 – Example of Exclusion Table for SISO Configurations

Index	ACC	Supported Channel Bandwidth (MHz)	Restriction	Completely Covered by Measurement Superset
001-01	CA [2]	5, 10, 15, 20	None	Yes
001-02	CA [2A]	5, 10, 15, 20	None	Yes
001-03	CA [2A]	5, 10, 15, 20	None	Yes
001-04	CA [2A]	5, 10, 15, 20	None	Yes
001-05	CA [2A]	5, 10, 15, 20	None	Yes
001-06	CA [2A]	5, 10, 15, 20	None	Yes
001-07	CA [2A]	5, 10, 15, 20	None	Yes
001-08	CA [2A]	5, 10, 15, 20	None	Yes
001-09	CA [2A]	5, 10, 15, 20	None	Yes
001-10	CA [2A]	5, 10, 15, 20	None	Yes
001-11	CA [2A]	5, 10, 15, 20	None	Yes
001-12	CA [2A]	5, 10, 15, 20	None	Yes
001-13	CA [2A]	5, 10, 15, 20	None	Yes
001-14	CA [2A]	5, 10, 15, 20	None	Yes
001-15	CA [2A]	5, 10, 15, 20	None	Yes
001-16	CA [2A]	5, 10, 15, 20	None	Yes
001-17	CA [2A]	5, 10, 15, 20	None	Yes
001-18	CA [2A]	5, 10, 15, 20	None	Yes
001-19	CA [2A]	5, 10, 15, 20	None	Yes
001-20	CA [2A]	5, 10, 15, 20	None	Yes
001-21	CA [2A]	5, 10, 15, 20	None	Yes
001-22	CA [2A]	5, 10, 15, 20	None	Yes
001-23	CA [2A]	5, 10, 15, 20	None	Yes
001-24	CA [2A]	5, 10, 15, 20	None	Yes
001-25	CA [2A]	5, 10, 15, 20	None	Yes
001-26	CA [2A]	5, 10, 15, 20	None	Yes
001-27	CA [2A]	5, 10, 15, 20	None	Yes
001-28	CA [2A]	5, 10, 15, 20	None	Yes
001-29	CA [2A]	5, 10, 15, 20	None	Yes
001-30	CA [2A]	5, 10, 15, 20	None	Yes
001-31	CA [2A]	5, 10, 15, 20	None	Yes
001-32	CA [2A]	5, 10, 15, 20	None	Yes
001-33	CA [2A]	5, 10, 15, 20	None	Yes
001-34	CA [2A]	5, 10, 15, 20	None	Yes
001-35	CA [2A]	5, 10, 15, 20	None	Yes
001-36	CA [2A]	5, 10, 15, 20	None	Yes
001-37	CA [2A]	5, 10, 15, 20	None	Yes
001-38	CA [2A]	5, 10, 15, 20	None	Yes
001-39	CA [2A]	5, 10, 15, 20	None	Yes
001-40	CA [2A]	5, 10, 15, 20	None	Yes
001-41	CA [2A]	5, 10, 15, 20	None	Yes
001-42	CA [2A]	5, 10, 15, 20	None	Yes
001-43	CA [2A]	5, 10, 15, 20	None	Yes
001-44	CA [2A]	5, 10, 15, 20	None	Yes
001-45	CA [2A]	5, 10, 15, 20	None	Yes
001-46	CA [2A]	5, 10, 15, 20	None	Yes
001-47	CA [2A]	5, 10, 15, 20	None	Yes
001-48	CA [2A]	5, 10, 15, 20	None	Yes
001-49	CA [2A]	5, 10, 15, 20	None	Yes
001-50	CA [2A]	5, 10, 15, 20	None	Yes
001-51	CA [2A]	5, 10, 15, 20	None	Yes
001-52	CA [2A]	5, 10, 15, 20	None	Yes
001-53	CA [2A]	5, 10, 15, 20	None	Yes
001-54	CA [2A]	5, 10, 15, 20	None	Yes
001-55	CA [2A]	5, 10, 15, 20	None	Yes
001-56	CA [2A]	5, 10, 15, 20	None	Yes
001-57	CA [2A]	5, 10, 15, 20	None	Yes
001-58	CA [2A]	5, 10, 15, 20	None	Yes
001-59	CA [2A]	5, 10, 15, 20	None	Yes
001-60	CA [2A]	5, 10, 15, 20	None	Yes
001-61	CA [2A]	5, 10, 15, 20	None	Yes
001-62	CA [2A]	5, 10, 15, 20	None	Yes
001-63	CA [2A]	5, 10, 15, 20	None	Yes
001-64	CA [2A]	5, 10, 15, 20	None	Yes
001-65	CA [2A]	5, 10, 15, 20	None	Yes
001-66	CA [2A]	5, 10, 15, 20	None	Yes
001-67	CA [2A]	5, 10, 15, 20	None	Yes
001-68	CA [2A]	5, 10, 15, 20	None	Yes
001-69	CA [2A]	5, 10, 15, 20	None	Yes
001-70	CA [2A]	5, 10, 15, 20	None	Yes
001-71	CA [2A]	5, 10, 15, 20	None	Yes
001-72	CA [2A]	5, 10, 15, 20	None	Yes
001-73	CA [2A]	5, 10, 15, 20	None	Yes
001-74	CA [2A]	5, 10, 15, 20	None	Yes
001-75	CA [2A]	5, 10, 15, 20	None	Yes
001-76	CA [2A]	5, 10, 15, 20	None	Yes
001-77	CA [2A]	5, 10, 15, 20	None	Yes
001-78	CA [2A]	5, 10, 15, 20	None	Yes
001-79	CA [2A]	5, 10, 15, 20	None	Yes
001-80	CA [2A]	5, 10, 15, 20	None	Yes
001-81	CA [2A]	5, 10, 15, 20	None	Yes
001-82	CA [2A]	5, 10, 15, 20	None	Yes
001-83	CA [2A]	5, 10, 15, 20	None	Yes
001-84	CA [2A]	5, 10, 15, 20	None	Yes
001-85	CA [2A]	5, 10, 15, 20	None	Yes
001-86	CA [2A]	5, 10, 15, 20	None	Yes
001-87	CA [2A]	5, 10, 15, 20	None	Yes
001-88	CA [2A]	5, 10, 15, 20	None	Yes
001-89	CA [2A]	5, 10, 15, 20	None	Yes
001-90	CA [2A]	5, 10, 15, 20	None	Yes
001-91	CA [2A]	5, 10, 15, 20	None	Yes
001-92	CA [2A]	5, 10, 15, 20	None	Yes
001-93	CA [2A]	5, 10, 15, 20	None	Yes
001-94	CA [2A]	5, 10, 15, 20	None	Yes
001-95	CA [2A]	5, 10, 15, 20	None	Yes
001-96	CA [2A]	5, 10, 15, 20	None	Yes
001-97	CA [2A]	5, 10, 15, 20	None	Yes
001-98	CA [2A]	5, 10, 15, 20	None	Yes
001-99	CA [2A]	5, 10, 15, 20	None	Yes
001-100	CA [2A]	5, 10, 15, 20	None	Yes

Table 2 – Example of Exclusion Table for 4x4 Downlink MIMO Configurations

Index	ACC	Supported Channel Bandwidth (MHz)	Restriction	Completely Covered by Measurement Superset
001-01	CA [2]	5, 10, 15, 20	None	Yes
001-02	CA [2A]	5, 10, 15, 20	None	Yes
001-03	CA [2A]	5, 10, 15, 20	None	Yes
001-04	CA [2A]	5, 10, 15, 20	None	Yes
001-05	CA [2A]	5, 10, 15, 20	None	Yes
001-06	CA [2A]	5, 10, 15, 20	None	Yes
001-07	CA [2A]	5, 10, 15, 20	None	Yes
001-08	CA [2A]	5, 10, 15, 20	None	Yes
001-09	CA [2A]	5, 10, 15, 20	None	Yes
001-10	CA [2A]	5, 10, 15, 20	None	Yes
001-11	CA [2A]	5, 10, 15, 20	None	Yes
001-12	CA [2A]	5, 10, 15, 20	None	Yes
001-13	CA [2A]	5, 10, 15, 20	None	Yes
001-14	CA [2A]	5, 10, 15, 20	None	Yes
001-15	CA [2A]	5, 10, 15, 20	None	Yes
001-16	CA [2A]	5, 10, 15, 20	None	Yes
001-17	CA [2A]	5, 10, 15, 20	None	Yes
001-18	CA [2A]	5, 10, 15, 20	None	Yes
001-19	CA [2A]	5, 10, 15, 20	None	Yes
001-20	CA [2A]	5, 10, 15, 20	None	Yes
001-21	CA [2A]	5, 10, 15, 20	None	Yes
001-22	CA [2A]	5, 10, 15, 20	None	Yes
001-23	CA [2A]	5, 10, 15, 20	None	Yes
001-24	CA [2A]	5, 10, 15, 20	None	Yes
001-25	CA [2A]	5, 10, 15, 20	None	Yes
001-26	CA [2A]	5, 10, 15, 20	None	Yes
001-27	CA [2A]	5, 10, 15, 20	None	Yes
001-28	CA [2A]	5, 10, 15, 20	None	Yes
001-29	CA [2A]	5, 10, 15, 20	None	Yes
001-30	CA [2A]	5, 10, 15, 20	None	Yes
001-31	CA [2A]	5, 10, 15, 20	None	Yes
001-32	CA [2A]	5, 10, 15, 20	None	Yes
001-33	CA [2A]	5, 10, 15, 20	None	Yes
001-34	CA [2A]	5, 10, 15, 20	None	Yes
001-35	CA [2A]	5, 10, 15, 20	None	Yes
001-36	CA [2A]	5, 10, 15, 20	None	Yes
001-37	CA [2A]	5, 10, 15, 20	None	Yes
001-38	CA [2A]	5, 10, 15, 20	None	Yes
001-39	CA [2A]	5, 10, 15, 20	None	Yes
001-40	CA [2A]	5, 10, 15, 20	None	Yes
001-41	CA [2A]	5, 10, 15, 20	None	Yes
001-42	CA [2A]	5, 10, 15, 20	None	Yes
001-43	CA [2A]	5, 10, 15, 20	None	Yes
001-44	CA [2A]	5, 10, 15, 20	None	Yes
001-45	CA [2A]	5, 10, 15, 20	None	Yes
001-46	CA [2A]	5, 10, 15, 20	None	Yes
001-47	CA [2A]	5, 10, 15, 20	None	Yes
001-48	CA [2A]	5, 10, 15, 20	None	Yes
001-49	CA [2A]	5, 10, 15, 20	None	Yes
001-50	CA [2A]	5, 10, 15, 20	None	Yes
001-51	CA [2A]	5, 10, 15, 20	None	Yes
001-52	CA [2A]	5, 10, 15, 20	None	Yes
001-53	CA [2A]	5, 10, 15, 20	None	Yes
001-54	CA [2A]	5, 10, 15, 20	None	Yes
001-55	CA [2A]	5, 10, 15, 20	None	Yes
001-56	CA [2A]	5, 10, 15, 20	None	Yes
001-57	CA [2A]	5, 10, 15, 20	None	Yes
001-58	CA [2A]	5, 10, 15, 20	None	Yes
001-59	CA [2A]	5, 10, 15, 20	None	Yes
001-60	CA [2A]	5, 10, 15, 20	None	Yes
001-61	CA [2A]	5, 10, 15, 20	None	Yes
001-62	CA [2A]	5, 10, 15, 20	None	Yes
001-63	CA [2A]	5, 10, 15, 20	None	Yes
001-64	CA [2A]	5, 10, 15, 20	None	Yes
001-65	CA [2A]	5, 10, 15, 20	None	Yes
001-66	CA [2A]	5, 10, 15, 20	None	Yes
001-67	CA [2A]	5, 10, 15, 20	None	Yes
001-68	CA [2A]	5, 10, 15, 20	None	Yes
001-69	CA [2A]	5, 10, 15, 20	None	Yes
001-70	CA [2A]	5, 10, 15, 20	None	Yes
001-71	CA [2A]	5, 10, 15, 20	None	Yes
001-72	CA [2A]	5, 10, 15, 20	None	Yes
001-73	CA [2A]	5, 10, 15, 20	None	Yes
001-74	CA [2A]	5, 10, 15, 20	None	Yes
001-75	CA [2A]	5, 10, 15, 20	None	Yes
001-76	CA [2A]	5, 10, 15, 20	None	Yes
001-77	CA [2A]	5, 10, 15, 20	None	Yes
001-78	CA [2A]	5, 10, 15, 20	None	Yes
001-79	CA [2A]	5, 10, 15, 20	None	Yes
001-80	CA [2A]	5, 10, 15, 20	None	Yes
001-81	CA [2A]	5, 10, 15, 20	None	Yes
001-82	CA [2A]	5, 10, 15, 20	None	Yes
001-83	CA [2A]	5, 10, 15, 20	None	Yes
001-84	CA [2A]	5, 10, 15, 20	None	Yes
001-85	CA [2A]	5, 10, 15, 20	None	Yes
001-86	CA [2A]	5, 10, 15, 20	None	Yes
001-87	CA [2A]	5, 10, 15, 20	None	Yes
001-88	CA [2A]	5, 10, 15, 20	None	Yes
001-89	CA [2A]	5, 10, 15, 20	None	Yes
001-90	CA [2A]	5, 10, 15, 20	None	Yes
001-91	CA [2A]	5, 10, 15, 20	None	Yes
001-92	CA [2A]	5, 10, 15, 20	None	Yes
001-93	CA [2A]	5, 10, 15, 20	None	Yes
001-94	CA [2A]	5, 10, 15, 20	None	Yes
001-95	CA [2A]	5, 10, 15, 20	None	Yes
001-96	CA [2A]	5, 10, 15, 20	None	Yes
001-97	CA [2A]	5, 10, 15, 20	None	Yes
001-98	CA [2A]	5, 10, 15, 20	None	Yes
001-99	CA [2A]	5, 10, 15, 20	None	Yes
001-100	CA [2A]	5, 10, 15, 20	None	Yes

Note: [CC] indicates component carrier with 4x4 DL MIMO antenna configuration

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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.

This device supports LAA with downlink carrier aggregation only. It uses carrier aggregation in the downlink to combine LTE in the unlicensed spectrum (i.e. LTE Band 46) with LTE in the licensed band (served as PCC). All uplink communications and acknowledgements on the PCC remain identical to specifications when downlink carrier aggregation is inactive.

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.

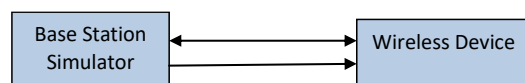


Figure 1
DL CA Power Measurement Setup

FCC ID: BCGA2379	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	Reviewed by: Quality Manager
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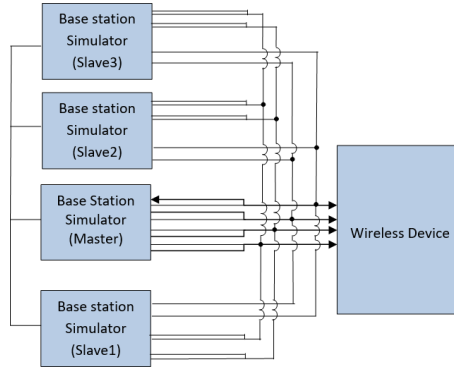


Figure 2
DL CA with DL 4x4 MIMO Power Measurement Setup

1.3 Downlink Carrier Aggregation RF Conducted Powers

1.3.1 LTE Band 71 as PCC

Table 3
Output Powers – Ant 1

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC				PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC 1				SCC 2				SCC 3				Power	
				Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Channel			SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (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-4A-71A	LTE B71	15	133297	680.5	16QAM	1	0	68761	634.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	-	-	-	-	18.81	19.37
CA 4A-4A-71A	LTE B71	15	133297	680.5	16QAM	1	0	68761	634.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	18.85	19.37
CA 2A-2A-66A-71A	LTE B71	15	133297	680.5	16QAM	1	0	68761	634.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	19.00	19.37
CA 2A-66A-66A-71A	LTE B71	15	133297	680.5	16QAM	1	0	68761	634.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2140	19.04	19.37
CA 2A-66C-71A	LTE B71	15	133297	680.5	16QAM	1	0	68761	634.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66884	2144.6	18.98	19.37

1.3.2 LTE Band 12 as PCC

Table 4
Output Powers – Ant 1

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC				PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC 1				SCC 2				SCC 3				Power	
				Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Channel			SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (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-12A (1)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	20.20	20.20
CA 4A-12A (1)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	20.15	20.20
CA 4A-12B (1)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	20.15	20.20
CA 12A-25A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B25	20	8005	1962.5	-	-	-	-	-	-	-	-	20.20	20.20
CA 12A-46A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B46	20	55065	1937.5	-	-	-	-	-	-	-	-	20.19	20.20
CA 12A-46A (1)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	20.18	20.20
CA 12A-46A (2)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	20.18	20.20
CA 2C-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B2	20	700	1940.2	-	-	-	-	19.93	20.20
CA 2A-2A-4A-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	19.85	20.20
CA 2A-2A-12B	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B12	10	5107	738.7	LTE B2	20	900	1960	LTE B2	20	700	1940	19.86	20.20
CA 2A-4A-4A-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	19.87	20.20
CA 2A-4A-7A-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B7	20	3100	2055	19.83	20.20
CA 2A-4A-12A-30A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B30	10	9820	2355	19.64	20.20
CA 2A-4A-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B12	10	5107	738.7	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	19.62	20.20
CA 2A-12A-66C	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66984	2144.6	19.64	20.20
CA 4A-4A-12A-30A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B30	10	9820	2355	19.63	20.20
CA 4A-4A-12B	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B12	10	5107	738.7	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	19.66	20.20
CA 2A-2A-7A-12A-66A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B7	20	3100	2055	20.10	20.20
CA 2A-2A-12A-30A-66A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	20.13	20.20
CA 2A-2A-12A-66A-66A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	20.16	20.20
CA 2A-12A-30A-66A-66A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	67236	2140	19.89	20.20

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LTE Band 13 as PCC

Table 5
Output Powers – Ant 1

Combination	PCB Band	PC1						SSC1						SSC2						SSC3						SSC4						Power	
		PCB BW [MHz]	PC1 [UL] Ch	PC1 [DL] Freq. [MHz]	Mod.	PC1 UL RB	PC1 UL RB Offset	PC1 [DL] Channel	PC1 [DL] Freq. [MHz]	SSC BW [MHz]	SSC [DL] Ch	SSC [DL] Freq. [MHz]	SSC Band	SSC BW [MHz]	SSC [DL] Channel	SSC [DL] Freq. [MHz]	SSC Band	SSC BW [MHz]	SSC [DL] Channel	SSC [DL] Freq. [MHz]	SSC Band	SSC BW [MHz]	SSC [DL] Channel	SSC [DL] Freq. [MHz]	SSC Band	SSC BW [MHz]	SSC [DL] Channel	SSC [DL] Freq. [MHz]	LTE Tx Power with CA Enabled [dBm]	LTE Single Carrier Tx Power [dBm]			
CA 2A-4A-13A	LTE B13	20	23230	782	QPSK	25	0	5230	783	LTE B2	20	900	1360	LTE B4	20	23175	23125	-	-	-	-	-	-	-	-	-	-	-	31.98	19.95			
CA 2A-13A-46A	LTE B13	20	23230	782	QPSK	25	0	5230	783	LTE B2	20	900	1360	LTE B46	20	50565	50575	-	-	-	-	-	-	-	-	-	-	-	19.96	19.95			
CA 4A-46A-13A	LTE B13	20	23230	782	QPSK	25	0	5230	783	LTE B4	20	23175	23125	LTE B46	20	23050	23100	-	-	-	-	-	-	-	-	-	-	-	19.96	19.95			
CA 2A-13A-66A	LTE B13	20	23230	782	QPSK	25	0	5230	783	LTE B46	20	50565	50575	LTE B66	20	61445	61455	-	-	-	-	-	-	-	-	-	-	-	19.98	19.92			
CA 13A-46A-66A	LTE B13	20	23230	782	QPSK	25	0	5230	783	LTE B46	20	50590	50625	LTE B66	20	66786	66786	-	-	-	-	-	-	-	-	-	-	-	19.89	19.95			
CA 2A-13A-16A	LTE B13	20	23230	782	QPSK	25	0	5230	783	LTE B2	20	900	1360	LTE B16	20	3060	3040	LTE B66	20	66786	2140	-	-	-	-	-	-	-	19.95	19.95			
CA 2A-16A-13A	LTE B13	20	23230	782	QPSK	25	0	5230	783	LTE B16	20	3060	3040	LTE B2	20	900	1360	LTE B66	20	66786	2140	-	-	-	-	-	-	-	19.95	19.95			
CA 2A-7C-13A	LTE B13	20	23230	782	QPSK	25	0	5230	783	LTE B2	20	900	1060	LTE B7	20	3120	2055	LTE B7	20	2062	2033.2	-	-	-	-	-	-	-	19.92	19.95			
CA 2A-13A-66C	LTE B13	20	23230	782	QPSK	25	0	5230	783	LTE B2	20	900	1360	LTE B66C	20	66837	66846	-	-	-	-	-	-	-	-	-	-	-	19.96	19.95			
CA 2A-13A-66A-66A	LTE B13	20	23230	782	QPSK	25	0	5230	783	LTE B2	20	900	1060	LTE B66	20	66786	66786	-	-	-	-	-	-	-	-	-	-	-	19.89	19.95			
CA 2A-13A-66B	LTE B13	20	23230	782	QPSK	25	0	5230	783	LTE B2	20	900	1360	LTE B66B	15	66786	66786	-	-	-	-	-	-	-	-	-	-	-	19.92	19.95			
CA 2A-13A-66C	LTE B13	20	23230	782	QPSK	25	0	5230	783	LTE B2	20	900	1360	LTE B66C	15	66786	66786	-	-	-	-	-	-	-	-	-	-	-	19.92	19.95			
CA 2A-13A-66A-66C	LTE B13	20	23230	782	QPSK	25	0	5230	783	LTE B2	20	900	1060	LTE B66	20	66786	66786	-	-	-	-	-	-	-	-	-	-	-	19.89	19.95			
CA 13A-46C-66A	LTE B13	20	23230	782	QPSK	25	0	5230	783	LTE B46C	20	50665	50675	LTE B46	20	50647	50577	LTE B66	20	66786	2140	-	-	-	-	-	-	-	19.95	19.95			
CA 13A-46C-66B	LTE B13	20	23230	782	QPSK	25	0	5230	783	LTE B46C	20	50665	50665	LTE B46	20	50638	50648	LTE B66	20	66786	2140	-	-	-	-	-	-	-	19.96	19.95			
CA 13A-46C-66C	LTE B13	20	23230	782	QPSK	25	0	5230	783	LTE B46C	20	50665	50665	LTE B46	20	50638	50638	LTE B66	20	66786	2140	-	-	-	-	-	-	-	19.96	19.95			
CA 13A-66A-66C	LTE B13	20	23230	782	QPSK	25	0	5230	783	LTE B66A	20	66786	66786	LTE B66	20	67038	2170.2	LTE B66	20	66786	2140	-	-	-	-	-	-	-	19.94	19.95			
CA 2A-13A-46C	LTE B13	20	23230	782	QPSK	25	0	5230	783	LTE B2	20	900	1360	LTE B46	20	50665	50575	LTE B46	20	50647	50577	LTE B46	20	50647	50577	LTE B46	20	50663	5557.3	19.89	19.95		
CA 13A-66A	LTE B13	20	23230	782	QPSK	25	0	5230	783	LTE B66A	20	50665	50575	LTE B46	20	50647	50577	LTE B46	20	50647	50577	LTE B46	20	50647	50577	LTE B46	20	50663	5557.3	19.87	19.95		

LTE Band 14 as PCC

Table 6
Output Powers – Ant 1

Combination	PCC										SSC 1				SSC 2				SSC 3				SSC 4				Power	
	PCC Band	PCC BW [MHz]	PCC [UL] Freq. [MHz]	PCC [DL] Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL] Channel	PCC [DL] Freq. [MHz]	SSC Band	SSC BW [MHz]	SSC [DL] Channel	SSC [DL] Freq. [MHz]	SSC Band	SSC BW [MHz]	SSC [DL] Channel	SSC [DL] Freq. [MHz]	SSC Band	SSC BW [MHz]	SSC [DL] Channel	SSC [DL] Freq. [MHz]	SSC Band	SSC BW [MHz]	SSC [DL] Channel	SSC [DL] Freq. [MHz]	LTE Tx Power with CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)	
CA_2A_2A-14A_20A-66A	LTE B14	10	2130	793	HQDM	25	12	5130	763	LTE B82	20	900	1560	LTE B82	20	700	1440	LTE B86	10	920	2355	LTE B66	20	66786	2145	19.78	10.87	
CA_2A_2A-14A_20A-66A	LTE B14	10	2130	793	HQDM	25	12	5130	763	LTE B82	20	900	1560	LTE B82	20	700	1440	LTE B86	10	920	2355	LTE B66	20	66786	2145	19.78	10.87	
CA_2A_14A_20A-66A-66A	LTE B14	10	2130	793	HQDM	25	12	5130	763	LTE B82	20	900	1560	LTE B82	20	700	1440	LTE B86	10	920	2355	LTE B66	20	66786	2145	19.78	10.87	

LTE Band 5 as PCC

Table 7
Output Powers – Ant 3

Combination	PCB Band	PCB BW [MHz]	PCC				PCC UL RB Offset	PCC (DL) Ch	SSC 1		SSC 2		SSC 3		SSC 4		LTE Tx Power with CC Enabld (dBm)	LTE Single Carrier Pwr (dBm)	
			PCC (UL) Ch	PCC (UL) Freq [MHz]	Mod.	PCC UL RB			SSC 1 BW [MHz]	SSC 1 (DL) Ch	SSC 1 (DL) Freq [MHz]	SSC 2 BW [MHz]	SSC 2 (DL) Ch	SSC 2 (DL) Freq [MHz]	SSC 3 BW [MHz]	SSC 3 (DL) Ch			SSC 3 (DL) Freq [MHz]
CA 5A-7A	LTE RB	20	20925	838.5	256QAM	1	49	2526	881.5	LTE B8	20	3100	2095	-	-	-	34.48	18.36	
CA 5A-25A	LTE RB	20	20925	838.5	256QAM	1	49	2526	881.5	LTE B25	20	8065	1962.5	-	-	-	18.69	18.36	
CA 5A-30A	LTE RB	20	20925	838.5	256QAM	1	49	2526	881.5	LTE B30	20	9050	2090	-	-	-	18.69	18.36	
CA 5A-46A (1)	LTE RB	20	20925	838.5	256QAM	1	49	2526	881.5	LTE B46	20	50605	5037.5	-	-	-	18.62	18.36	
CA 5A-88A	LTE RB	20	20925	838.5	256QAM	1	49	2526	881.5	LTE B48	20	56960	3625	-	-	-	18.64	18.36	
CA 5B-13	LTE RB	20	20925	838.5	256QAM	1	49	2526	881.5	LTE B48	20	56960	3625	-	-	-	18.64	18.36	
CA 2A-5A-6A	LTE RB	20	20925	838.5	256QAM	1	49	2526	881.5	LTE B2	20	900	1560	LTE B46	20	50605	5037.5	18.35	18.36
CA 2C-7A	LTE RB	20	20925	838.5	256QAM	1	49	2526	881.5	LTE B2	20	900	1960	LTE B2	20	702	1940	17.74	18.36
CA 5A-7A	LTE RB	20	20925	838.5	256QAM	1	49	2526	881.5	LTE B2	20	900	1960	LTE B2	20	702	1940	17.74	18.36
CA 5A-7A	LTE RB	20	20925	838.5	256QAM	1	49	2526	881.5	LTE B7	20	3100	2095	-	-	-	34.48	18.36	
CA 5A-6A-6A	LTE RB	20	20925	838.5	256QAM	1	49	2526	881.5	LTE B46	20	50605	5037.5	LTE B66	20	66780	2145	18.36	18.36
CA 5A-6A-6A (1)	LTE RB	20	20925	838.5	256QAM	1	49	2526	881.5	LTE B46	20	50605	5037.5	LTE B66	20	66780	2145	18.36	18.36
CA 2A-5A-4A-5A	LTE RB	20	20925	838.5	256QAM	1	49	2526	881.5	LTE B2	20	900	1960	LTE B2	20	702	1940	17.74	18.36
CA 2A-5A-4A-5A	LTE RB	20	20925	838.5	256QAM	1	49	2526	881.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	18.33	18.36
CA 2A-5A-4A-5A	LTE RB	20	20925	838.5	256QAM	1	49	2526	881.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	18.33	18.36
CA 2A-5A-4A-5A	LTE RB	20	20925	838.5	256QAM	1	49	2526	881.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	18.33	18.36
CA 2A-5A-4A-5A	LTE RB	20	20925	838.5	256QAM	1	49	2526	881.5	LTE B5	5	2453	874.3	LTE B2	20	900	1960	18.36	18.36
CA 4A-4A-4A	LTE RB	20	20925	838.5	256QAM	1	49	2526	881.5	LTE B5	5	2453	874.3	LTE B4	20	2175	2132.5	18.33	18.36
CA 4A-4A-4A	LTE RB	20	20925	838.5	256QAM	1	49	2526	881.5	LTE B5	5	2453	874.3	LTE B4	20	2175	2132.5	18.33	18.36
CA 5A-6A-6A	LTE RB	20	20925	838.5	256QAM	1	49	2526	881.5	LTE B66	20	66780	2145	LTE B66	20	66780	2145	18.35	18.36
CA 5A-6A-6A (1)	LTE RB	20	20925	838.5	256QAM	1	49	2526	881.5	LTE B66	20	66780	2145	LTE B66	20	66780	2145		

LTE Band 26 as PCC

Table 8
Output Powers – Ant 3

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC					SCC 1				SCC 2				Power		
				Freq. (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]	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 7A-26A	LTE B26	10	26990	844	256QAM	1	25	8990	889	LTE B7	20	3100	2655	-	-	-	-	18.56	18.45
CA 25A-26A	LTE B26	10	26990	844	256QAM	1	25	8990	889	LTE B25	20	8365	1962.5	-	-	-	-	18.32	18.45
CA 35A-41A	LTE B26	10	26990	844	256QAM	1	25	8990	889	LTE B41	20	40620	2593	-	-	-	-	18.23	18.45
CA 7A-7A-26A	LTE B26	10	26990	844	256QAM	1	25	8990	889	LTE B7	20	3100	2655	LTE B7	20	2850	2630	18.23	18.45
CA 25A-25A-26A	LTE B26	5	27015	846.5	64QAM	1	0	9015	891.5	LTE B25	20	8365	1962.5	LTE B25	20	8590	1985	18.24	18.39
CA 26A-41C	LTE B26	10	26990	844	256QAM	1	25	8990	889	LTE B41	20	40620	2593	LTE B41	20	40422	2573.2	18.62	18.45

FCC ID: BCGA2379	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	Reviewed by: Quality Manager
Test Dates: 12/28/2020 – 03/03/2021	DUT Type: Tablet Device	APPENDIX H: Page 5 of 15	

1.3.7 LTE Band 66 as PCC

Table 9
Output Powers - Ant 3

[illegible]

1.3.8 LTE Band 25 as PCC

Table 10
Output Powers - Ant 1

Combination	PCC Band	PCC						SCC 1				SCC 2				SCC 3				SCC 4				Power			
		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]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	W/D DC CA Enabled [dBm]	LTE Single Carrier Tx Power [dBm]
CA 5A-25B	LTE B20	20	26140	1860	SQAM	-	0	E14D	1840	LTE B6	10	2626	1881.5	-	-	-	-	-	-	-	-	-	-	-	-	16.41	16.29
CA 12A-25B	LTE B20	20	26140	1860	SQAM	-	0	E14D	1840	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	15.52	16.29
CA 25A-25B	LTE B20	20	26140	1860	SQAM	-	0	E14D	1840	LTE B6	10	5095	1876.5	-	-	-	-	-	-	-	-	-	-	-	-	16.41	16.29
CA 25A-46A	LTE B20	20	26140	1860	SQAM	-	0	E14D	1840	LTE B46	20	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	15.52	16.29
CA 25A-25A-11A	LTE B20	20	26140	1860	SQAM	-	0	E14D	1840	LTE B20	20	8590	1881.5	LTE B20	20	8595	876.5	-	-	-	-	-	-	-	-	15.51	16.29
CA 25A-25A-11A	LTE B20	20	26140	1860	SQAM	-	0	E14D	1840	LTE B20	20	8590	1881.5	LTE B41	20	4042	2537.2	-	-	-	-	-	-	-	-	16.41	16.29
CA 25A-41C	LTE B20	20	26140	1860	SQAM	-	0	E14D	1840	LTE B41	20	40420	2593	LTE B41	20	4042	2537.2	-	-	-	-	-	-	-	-	15.48	16.29
CA 25A-62C	LTE B20	20	26140	1860	SQAM	-	0	E14D	1840	LTE B62	20	5095	1637.5	LTE B46	20	50457	1517.7	-	-	-	-	-	-	-	-	15.48	16.29
CA 25A-25A-41C	LTE B20	20	26140	1860	SQAM	-	0	E14D	1840	LTE B20	20	8590	1881.5	LTE B41	20	40420	2593	LTE B46	20	40422	2537.2	-	-	-	-	15.48	16.29
CA 25A-46D	LTE B20	20	26140	1860	SQAM	-	0	E14D	1840	LTE B46	20	5095	1637.5	LTE B46	20	50457	1517.7	LTE B46	20	50953	957.3	-	-	-	-	15.48	16.29
CA 25A-25A-B1D	LTE B20	20	26140	1860	SQAM	-	0	E14D	1840	LTE B20	20	8590	1881.5	LTE B41	20	4042	2537.2	LTE B41	20	40420	2593	LTE B41	20	40818	2612.8	15.48	16.29

1.3.9 LTE Band 30 as PCC

Table 11
Output Powers - Ant 3

Combination		PCC										SCC 1				SCC 2				SCC 3				SCC 4				Power			
		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]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	UL Tx Power [dBm]	LTE Single Carrier Tx Power [dBm]			
CA 20-30A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	2	700	1940	2	700	1940	2	700	1940	2	700	1940	14.63	14.64
CA 2A-28A-30A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-28A-30A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-12A-12A-30A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-28A-30A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-30A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 4A-4A-30A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-12A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 4A-4A-30A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-12A-30A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-12A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-12A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-30A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.62	14.64
CA 2A-2A-30A-66A	LTE E30	S	27.120	2310	256QAM	12	6	9820	2385	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE E30	10	8715	722.5	-	10	8715	722.5	-	10	8715	722.5	14.6	

FCC ID: BCGA2379



SAR EVALUATION REPORT

Reviewed by:

Quality Manager

Test Dates:

DUT Type:

APPENDIX H:

1.3.1 LTE Band 7 as PCC

Table 12
Output Powers - Ant 3

Combination	PCC Band	PCC										SCC 1				SCC 2				SCC 3				SCC 4				Power		
		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]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx Power with DC CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)			
CA 5A-7A	LTE B7	15	20825	2507.5	64QAM	1	36	20825	2507.5	LTE B5	10	20825	881.5	-	-	-	-	-	-	-	-	-	-	-	-	-	15.18	15.12		
CA 7A-26A	LTE B7	15	20825	2507.5	64QAM	1	36	20825	2507.5	LTE B25	10	8805	876.5	-	-	-	-	-	-	-	-	-	-	-	-	-	15.27	15.12		
CA 7A-46A (1)	LTE B7	15	20825	2507.5	64QAM	1	36	20825	2507.5	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	-	-	-	-	-	15.18	15.12		
CA 7B	LTE B7	15	20825	2507.5	64QAM	1	36	20825	2507.5	LTE B7	5	20825	2082.5	-	-	-	-	-	-	-	-	-	-	-	-	-	15.19	15.12		
CA 4A-4A-7A (1)	LTE B7	15	20825	2507.5	64QAM	1	36	20825	2507.5	LTE B4	20	2175	2132.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	-	-	14.87	15.12	
CA 5A-7A-7A	LTE B7	15	20825	2507.5	64QAM	1	36	20825	2507.5	LTE B7	20	3350	2630	LTE B5	10	2825	881.5	-	-	-	-	-	-	-	-	-	-	15.03	15.12	
CA 5A-7C	LTE B7	15	20825	2507.5	64QAM	1	36	20825	2507.5	LTE B7	20	2096	2644.6	LTE B5	10	2825	881.5	-	-	-	-	-	-	-	-	-	-	15.09	15.12	
CA 7A-7A-26A	LTE B7	15	20825	2507.5	64QAM	1	36	20825	2507.5	LTE B7	20	3350	2630	LTE B26	10	2825	881.5	-	-	-	-	-	-	-	-	-	-	15.01	15.12	
CA 7A-46C (1)	LTE B7	15	20825	2507.5	64QAM	1	36	20825	2507.5	LTE B46	20	50665	5537.5	LTE B46	20	50667	5537.7	-	-	-	-	-	-	-	-	-	-	15.26	15.12	
CA 7C-46A	LTE B7	15	20825	2507.5	64QAM	1	36	20825	2507.5	LTE B7	20	2096	2644.6	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	-	-	14.76	15.12	
CA 2A-4A-7A-7A	LTE B7	15	20825	2507.5	64QAM	1	36	20825	2507.5	LTE B7	20	3350	2630	LTE B2	20	900	1960	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	-	-	14.73	15.12	
CA 2A-4A-7A-12A	LTE B7	15	20825	2507.5	64QAM	1	36	20825	2507.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B12	10	8805	787.5	-	-	-	-	-	-	-	14.80	15.12
CA 2A-4A-7C	LTE B7	15	20825	2507.5	64QAM	1	36	20825	2507.5	LTE B7	20	2096	2644.6	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	14.83	15.12
CA 2A-7A-7A-12A	LTE B7	15	20825	2507.5	64QAM	1	36	20825	2507.5	LTE B7	20	2096	2644.6	LTE B2	20	900	1960	LTE B13	10	8805	761	-	-	-	-	-	-	-	14.68	15.12
CA 2A-7C-12A	LTE B7	15	20825	2507.5	64QAM	1	36	20825	2507.5	LTE B7	20	2096	2644.6	LTE B2	20	900	1960	LTE B13	10	8805	751	-	-	-	-	-	-	-	14.69	15.12
CA 2A-7C-66A	LTE B7	15	20825	2507.5	64QAM	1	36	20825	2507.5	LTE B7	20	2096	2644.6	LTE B2	20	900	1960	LTE B66	20	66786	2145	-	-	-	-	-	-	-	14.82	15.12
CA 7A-46D (1)	LTE B7	15	20825	2507.5	64QAM	1	36	20825	2507.5	LTE B46	20	50665	5537.5	LTE B46	20	50667	5517.7	LTE B46	20	50663	5557.3	-	-	-	-	-	-	-	14.68	15.12
CA 7C-46C	LTE B7	15	20825	2507.5	64QAM	1	36	20825	2507.5	LTE B7	20	2096	2644.6	LTE B46	20	50665	5537.5	LTE B46	20	50667	5517.7	-	-	-	-	-	-	-	15.19	15.12
CA 7C-66A-66A	LTE B7	15	20825	2507.5	64QAM	1	36	20825	2507.5	LTE B7	20	2096	2644.6	LTE B66	20	66786	2145	LTE B66	20	67126	2190	-	-	-	-	-	-	-	14.45	15.12
CA 2A-7A-7A-12A-66A	LTE B7	15	20825	2507.5	64QAM	1	36	2825	2827.5	LTE B41	20	900	1960	LTE B41	20	790	1940	LTE B41	10	5095	787.5	LTE B41	20	66786	2145	-	-	-	15.37	15.12
CA 2A-7A-7A-66A-66A	LTE B7	15	20825	2507.5	64QAM	1	36	2825	2827.5	LTE B7	20	3350	2630	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.92	15.12	
CA 2A-7C-66A-66A	LTE B7	15	20825	2507.5	64QAM	1	36	2825	2827.5	LTE B7	20	3350	2630	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.96	15.12	
CA 7A-46E	LTE B7	15	20825	2507.5	64QAM	1	36	2825	2827.5	LTE B46	20	50665	5537.5	LTE B46	20	50667	5517.7	LTE B46	20	50663	5557.3	LTE B46	20	50663	5557.3	-	-	15.35	15.12	
CA 7C-46D	LTE B7	15	20825	2507.5	64QAM	1	36	2825	2827.5	LTE B7	20	2096	2644.6	LTE B46	20	50665	5537.5	LTE B46	20	50667	5517.7	LTE B46	20	50663	5557.3	-	-	14.88	15.12	

1.3.2 LTE Band 41 as PCC

Table 13
Output Powers - Ant 2b

Combination	PCC										SCC 1				SCC 2				SCC 3				SCC 4				Power		
	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]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx Power with DC CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)		
CA 5A-41A	LTE B41	20	41055	2636.5	16QAM	1	0	41055	2636.5	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	-	-	-	-	-	15.03	15.40	
CA 26A-41A	LTE B41	20	41055	2636.5	16QAM	1	0	41055	2636.5	LTE B25	10	8805	876.5	-	-	-	-	-	-	-	-	-	-	-	-	-	15.14	15.40	
CA 41A-41A (1)	LTE B41	20	41055	2636.5	16QAM	1	0	41055	2636.5	LTE B41	20	39750	2506	-	-	-	-	-	-	-	-	-	-	-	-	-	15.10	15.40	
CA 26A-41C	LTE B41	20	41055	2636.5	16QAM	1	0	41055	2636.5	LTE B41	20	40857	2616.7	LTE B25	15	8805	876.5	-	-	-	-	-	-	-	-	-	-	14.94	15.40
CA 41A-41C	LTE B41	20	41055	2636.5	16QAM	1	0	41055	2636.5	LTE B41	20	39948	2525.8	LTE B41	20	39750	2506	-	-	-	-	-	-	-	-	-	-	15.19	15.40
CA 41C-41A	LTE B41	20	41055	2636.5	16QAM	1	0	41055	2636.5	LTE B41	20	40857	2616.7	LTE B41	20	39750	2506	-	-	-	-	-	-	-	-	-	-	15.05	15.40
CA 41A-41D	LTE B41	20	41055	2636.5	16QAM	1	0	41055	2636.5	LTE B41	20	40146	2545.6	LTE B41	20	39948	2525.8	LTE B41	20	39750	2506	-	-	-	-	-	-	15.43	15.40
CA 41D-41A	LTE B41	20	41055	2636.5	16QAM	1	0	41055	2636.5	LTE B41	20	40857	2616.7	LTE B41	20	40859	2596.9	LTE B41	20	39750	2506	-	-	-	-	-	-	15.43	15.40
CA 41C-41C	LTE B41	20	41055	2636.5	16QAM	1	0	41055	2636.5	LTE B41	20	40857	2616.7	LTE B41	20	39948	2525.8	LTE B41	20	39750	2506	-	-	-	-	-	-	15.43	15.40
CA 41E	LTE B41	20	41055	2636.5	16QAM	1	0	41055	2636.5	LTE B41	20	40857	2616.7	LTE B41	20	40859	2596.9	LTE B41	20	40861	2577.3	-	-	-	-	-	-	15.64	15.40
CA 41C-41D	LTE B41	20	41055	2636.5	16QAM	1	0	41055	2636.5	LTE B41	20	40857	2616.7	LTE B41	20	40146	2545.6	LTE B41	20	39948	2525.8	LTE B41	20	39750	2506	-	-	15.46	15.40
CA 41C-41C	LTE B41	20	41055	2636.5	16QAM	1	0	41055	2636.5	LTE B41	20	40857	2616.7	LTE B41	20	40859	2596.9	LTE B41	20	39948	2525.8	LTE B41	20	39750	2506	-	-	15.42	15.40

1.3.3 LTE Band 48 as PCC

Table 14
Output Powers - Ant 1

Combination	PCC										SCC 1				SCC 2				SCC 3				SCC 4				Power		
	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]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx Power with DC CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)		
CA 5A-48A	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	-	-	-	-	-	13.23	13.43	
CA 2A-48A-48A	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	LTE B48	20	55440	3590	LTE B2	10	900	1960	-	-	-	-	-	-	-	-	-	-	13.61	13.43
CA 2A-48A-66A	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	LTE B2	10	900	1960	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	-	15.14	13.43
CA 3A-48A-66A	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	LTE B13	10	5230	751	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	-	13.18	13.43
CA 2A-48C-66A	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	LTE B48	20	55446	3574.6	LTE B2	10	900	1960	LTE B66	20	66786	2145	-	-	-	-	-	-	13.13	13.43
CA 3A-48C-66A	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	LTE B48	20	55446	3574.6	LTE B13	10	5230	751	LTE B66	20	66786	2145	-	-	-	-	-	-	13.15	13.43
CA 4A-48A-66A-66A	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	LTE B48	20	55446	3574.6	LTE B2	10	900	1960	LTE B66	20	66786	2145	-	-	-	-	-	-	13.17	13.43
CA 4A-48C-66A	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	LTE B48	20	55446	3574.6	LTE B48	20	55440	3590	LTE B66	20	66786	2145	-	-	-	-	-	-	13.28	13.43
CA 4A-48C-66A	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	LTE B48	20	55446	3574.6	LTE B48	20	55440	3590	LTE B66	20	66786	2145	-	-	-	-	-	-	13.28	13.43
CA 4A-48C-66A	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	LTE B48	20	55446	3574.6	LTE B48	20	55440	3590	LTE B66	20	66786	2145	-	-	-	-	-	-	13.28	13.43
CA 2A-48D-66A	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	LTE B48	20	55446	3574.6	LTE B48	20	55484	3594.4	LTE B2	10	900	1960	LTE B66	20	66786	2145	-	-	13.45	13.43
CA 2A-48E	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	LTE B48	20	55446	3574.6	LTE B48	20	55484	3594.4	LTE B48	20	55482	3542.2	LTE B2	10	900	1960	13.47	13.43	13.47	13.43

1.4.1

LTE 4x4 MIMO DL Standalone Powers

Table 15
Output Powers - Ant 1

LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power [dBm]	Single Antenna Tx. Power [dBm]	Target Power [dBm]
25	20	26140	1860	16QAM	1	0	16.35	16.28	16.1
48	15	55315	3557.5	256QAM	1	74	13.43	13.43	12.8

Table 16
Output Powers - Ant 3

LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power [dBm]	Single Antenna Tx. Power [dBm]	Target Power [dBm]
66	15	132597	1772.5	256QAM	1	36	14.28	14.84	15.0
7	15	20825	2507.5	64QAM	1	36	14.78	15.12	14.7
30	5	27710	2310	256QAM	12	6	14.61	14.64	14.3

Table 17
Output Powers - Ant 2b

LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power [dBm]	Single Antenna Tx. Power [dBm]	Target Power [dBm]
41	20	41055	2636.5	16QAM	1	0	15.50	15.40	15.0

FCC ID: BCGA2379



SAR EVALUATION REPORT

Reviewed by:
Quality ManagerTest Dates:
12/28/2020 – 03/03/2021DUT Type:
Tablet DeviceAPPENDIX H:
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1.4.2

LTE Band 71 as PCC

Table 18
Output Powers – Ant 1

Combination	PCC Band	PCC				DL Ant. Config.	SCC 1				DL Ant. Config.	SCC 2				SCC 3				Power							
		PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.		PCC UL RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA [2A] [4A] [71A]	LTE B71	15	133297	680.5	16QAM	1	0	68761	634.5	2x2	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	18.84	19.37
CA [4A] [4A] [71A]	LTE B71	15	133297	680.5	16QAM	1	0	68761	634.5	2x2	LTE B4	20	2175	2132.5	4x4	LTE B4	10	2350	2150	4x4	-	-	-	-	-	18.80	19.37
CA [2A] [2A] [66A] [71A]	LTE B71	15	133297	680.5	16QAM	1	0	68761	634.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	18.80	19.37
CA [2A] [66A] [66A] [71A]	LTE B71	15	133297	680.5	16QAM	1	0	68761	634.5	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	18.81	19.37
CA [2A] [66C] [71A]	LTE B71	15	133297	680.5	16QAM	1	0	68761	634.5	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	66984	2164.8	4x4	18.79	19.37

1.4.3

LTE Band 12 as PCC

Table 19
Output Powers – Ant 1

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	PCC				DL Ant. Config.	SCC 1				SCC 2				SCC 3				Power					
					Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL] Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)	
CA [2A] [12A] (1)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2	LTE B2	20	900	1960	4x4	-	-	-	-	-	-	-	-	-	19.99	20.20	
CA [4A] [12A] (1)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	-	-	-	-	19.46	20.20	
CA [4A] [12A] (2)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	-	-	-	-	19.46	20.20	
CA [2A] [12A]	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	-	-	-	19.55	20.20	
CA [2A] [66A] (1)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	-	-	-	19.55	20.20	
CA [2A] [66A] (2)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	-	-	-	19.55	20.20	
CA [2C] [12A]	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	-	-	-	-	-	19.84	20.20
CA [2A] [2A] [4A] [12A]	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B4	20	2175	2132.5	4x4	19.94	20.20
CA [2A] [2A] [12A]	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	-	-	-	-	-	19.94	20.20
CA [2A] [4A] [4A] [12A]	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	19.96	20.20
CA [2A] [4A] [7A] [12A]	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2132.5	4x4	LTE B7	20	3100	2605	4x4	19.94	20.20
CA [2A] [4A] [12A] [10A]	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2132.5	4x4	LTE B30	10	6620	2355	4x4	19.94	20.20
CA [2A] [4A] [12B]	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2	LTE B12	20	5107	738.7	2x2	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2132.5	4x4	19.96	20.20
CA [2A] [12A] [66C]	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	66984	2164.8	4x4	19.90	20.20
CA [4A] [4A] [12A] [10A]	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2	LTE B4	20	2175	2132.5	4x4	LTE B4	10	2350	2150	4x4	LTE B30	10	6620	2355	4x4	19.98	20.20
CA [4A] [4A] [12B]	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2	LTE B12	20	5107	738.7	2x2	LTE B4	20	2175	2132.5	4x4	LTE B4	10	2350	2150	4x4	19.98	20.20
CA [2A] [2A] [12A] [12A] [66A]	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	20.01	20.20
CA [2A] [2A] [12A] [10A] [66A]	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B30	10	6620	2355	4x4	20.00	20.20
CA [2A] [2A] [12A] [66A] [66A]	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	20.03	20.20
CA [2A] [12A] [30A] [66A] [66A]	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2	LTE B2	20	900	1960	4x4	LTE B30	10	6620	2355	4x4	LTE B66	20	66786	2145	4x4	20.00	20.20

1.4.4

LTE Band 13 as PCC

Table 20
Output Powers – Ant 1

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC				DL Ant. Config.	SCC 1				DL Ant. Config.	SCC 2				DL Ant. Config.	SCC 3				DL Ant. Config.	SCC 4				DL Ant. Config.	Power		
						PCC UL RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]		LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)	
CA [2A] [4A] [13A]	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	-	-	-	-	-	19.99	19.95	
CA [2A] [13A] [4A]	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2	LTE B2	20	900	1960	4x4	LTE B46	20	50685	5537.5	2x2	-	-	-	-	-	-	-	-	-	-	19.83	19.95	
CA [4A] [4A] [13A]	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2	LTE B4	20	2175	2132.5	4x4	LTE B4	10	2350	2150	4x4	-	-	-	-	-	-	-	-	-	-	20.01	19.95	
CA [13A] [4A] [66A]	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2	LTE B46	20	50685	5537.5	2x2	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	-	-	-	-	19.87	19.95	
CA [13A] [4A] [66A]	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2	LTE B46	20	50685	5537.5	2x2	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	-	-	-	-	19.87	19.95	
CA [2A] [13A] [66A]	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	1700	1940	4x4	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	19.99	19.95
CA [2A] [13A] [13A]	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2	LTE B2	20	900	1960	4x4	LTE B7	20	3100	2605	4x4	LTE B7	20	2890	2630	4x4	-	-	-	-	-	-	19.97	19.95
CA [2A] [13A] [13A]	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2	LTE B2	20	900	1960	4x4	LTE B7	20	3100	2605	4x4	LTE B7	20	2902	2633.3	4x4	-	-	-	-	-	-	19.96	19.95
CA [2A] [13A] [46C]	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2	LTE B2	20	900	1960	4x4	LTE B46	20	50685	5537.5	2x2	LTE B46	20	50687	5537.7	2x2	-	-	-	-	-	-	19.97	19.95
CA [2A] [13A] [66A]	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	-	-	-	-	-	-	20.03	19.95
CA [2A] [13A] [66A]	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	66984	2164.8	4x4	-	-	-	-	-	-	20.05	19.95
CA [13A] [46C] [66A]	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2	LTE B46	20	50685	5537.5	2x2	LTE B46	20	50687	5537.7	2x2	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	20.00	19.95
CA [13A] [46C] [66A]	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2	LTE B46	20	50685	5537.5	2x2	LTE B46	20	50687	5537.7	2x2	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	20.04	19.95
CA [13A] [66A] [66C]	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2	LTE B66	20	66786	2145	4x4	LTE B66	15	67236	2190.5	4x4	-	-	-	-	-	-	-	-	-	-	20.07	19.95	
CA [13A] [66A] [66C]	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	-	-	-	-	-	-	-	-	-	-	20.08	19.95	
CA [2A] [13A] [46C]	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2	LTE B2	20	900	1960	4x4	LTE B46	20	50685	5537.5	2x2	LTE B46	20	50687	5537.7	2x2	LTE B46	20	50686	5567.3	2x2	19.99	19.95	
CA [13A] [46C] [66A]	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2	LTE B46	20	50685	5537.5	2x2	LTE B46	20	50687	5537.7	2x2	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	20.00	19.95

1.4.5

LTE Band 14 as PCC

Table 21
Output Powers – Ant 1

Combination	PCC Band	PCC BW [MHz]
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1.4.6

LTE Band 5 as PCC

Table 22
Output Powers - Ant 3

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Freq. [MHz]	PCC [UL] Mod.	PCC				SCC1				SCC2				SCC3				SCC4				Power									
					PCC UL RB	PCC UL RB Offset	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)				
CA 5A-7A	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B7	20	3100	2655	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	18.24	18.56				
CA 5A-25A	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B25	20	8365	1962.5	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	18.42	18.56				
CA 5A-41A	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B41	20	40620	2593	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	18.31	18.56				
CA 5A-48A	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B48	20	35990	3625	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	18.33	18.56				
CA [2A] 5A-48A	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B40	20	50605	5537.5	2x2	-	-	-	-	-	-	-	-	18.25	18.56				
CA [25A] 5A	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	780	1960.2	4x4	-	-	-	-	-	-	-	-	17.76	18.56				
CA 5A-7A-7A	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B7	20	3100	2655	4x4	LTE B7	20	2850	2630	4x4	-	-	-	-	-	-	-	-	18.30	18.56				
CA 5A-66C	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B7	20	3100	2655	4x4	LTE B7	20	2902	2633.2	4x4	-	-	-	-	-	-	-	-	18.29	18.56				
CA 5A-66A-66A	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B46	20	50605	5537.5	2x2	LTE B60	20	66786	2145	4x4	-	-	-	-	-	-	-	-	17.66	18.56				
CA [2A] [2A] 5A-66A	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B4	20	2175	2132.5	4x4	-	-	-	18.23	18.56				
CA [2A] [4A] 5A-30A	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2132.5	4x4	LTE B30	10	9820	2305	4x4	-	-	-	18.28	18.56				
CA [2A] [4A] 5A-30A	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B5	5	2453	874.3	2x2	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2132.5	4x4	-	-	-	17.62	18.56				
CA [2A] 5A-46C	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B46	20	50605	5537.5	2x2	LTE B46	20	50605	5537.7	2x2	-	-	-	18.29	18.56				
CA [4A] [4A] 5A	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B4	20	2175	2132.5	4x4	LTE B4	20	2350	2150	4x4	LTE B30	10	9820	2305	4x4	-	-	-	18.27	18.56				
CA [2A] [2A] 5A-66A	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B5	5	2453	874.3	2x2	LTE B4	20	2175	2132.5	4x4	LTE B4	20	2350	2150	4x4	-	-	-	17.61	18.56				
CA 5A-66C-66A	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B46	20	50605	5537.5	2x2	LTE B60	20	66786	2145	4x4	-	-	-	-	-	-	-	-	18.26	18.56				
CA 5A-66A-66B	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B60	20	66786	2145	4x4	LTE B60	20	67286	2155	4x4	-	-	-	-	-	-	-	-	18.29	18.56				
CA 5A-66A-66C	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B60	20	66786	2145	4x4	LTE B60	20	67286	2155	4x4	-	-	-	-	-	-	-	-	18.32	18.56				
CA [2A] [2A] 5A-30A-66A	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B30	10	9820	2305	4x4	-	-	-	18.33	18.56				
CA [2A] [2A] 5A-30A-66A	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B60	20	66786	2145	4x4	-	-	-	18.36	18.56				
CA [2A] [2A] 5A-66B	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B60	5	66786	2145	4x4	LTE B60	5	66879	2154.3	4x4	-	-	18.24	18.56
CA [2A] [2A] 5A-66C	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B60	20	66786	2145	4x4	LTE B60	20	66884	2154.8	4x4	-	-	18.34	18.56
CA [2A] 5A-66A-66A-66A	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B30	10	9820	2305	4x4	LTE B60	20	66786	2145	4x4	LTE B60	20	67236	2150	4x4	-	-	17.81	18.56
CA [2A] 5A-46D	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B46	20	50605	5537.5	2x2	LTE B46	20	50467	5537.7	2x2	LTE B46	20	50603	5567.3	2x2	-	-	18.35	18.56
CA [2A] 5A-66A-66A	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B5	5	2453	874.3	2x2	LTE B2	20	900	1960	4x4	LTE B30	10	9820	2305	4x4	LTE B60	20	66786	2145	4x4	-	-	17.76	18.56
CA [2A] 5A-66A-66A	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B5	5	2453	874.3	2x2	LTE B2	20	900	1960	4x4	LTE B60	20	66786	2145	4x4	LTE B60	20	67236	2150	4x4	-	-	18.34	18.56
CA [2A] 5A-66B	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B5	5	2453	874.3	2x2	LTE B2	20	900	1960	4x4	LTE B60	15	66786	2145	4x4	LTE B60	5	66879	2154.3	4x4	-	-	18.33	18.56
CA [2A] 5A-66C	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B5	5	2453	874.3	2x2	LTE B2	20	900	1960	4x4	LTE B60	20	66786	2145	4x4	LTE B60	20	66884	2154.8	4x4	-	-	18.33	18.56
CA 5A-46D-66A	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B46	20	50605	5537.5	2x2	LTE B46	20	50467	5537.7	2x2	LTE B46	20	50603	5567.3	2x2	LTE B60	20	66786	2145	4x4	-	-	18.34	18.56
CA 5B-30A-66A-66A	LTE B5	10	20525	836.5	256QAM	1	49	2525	881.5	2x2	LTE B5	5	2453	874.3	2x2	LTE B30	10	9820	2305	4x4	LTE B60	20	66786	2145	4x4	LTE B60	20	67236	2150	4x4	-	-	18.33	18.56

1.4.7

LTE Band 26 as PCC

Table 23
Output Powers - Ant 3

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC				SCC 1				SCC 2				Power						
						PCC UL# RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)		
CA [7A]-26A	LTE B26	10	26990	844	256QAM	1	25	8990	889	2x2	LTE B7	20	3100	2655	4x4	-	-	-	-	-	17.95	18.45		
CA [25A]-26A	LTE B26	10	26990	844	256QAM	1	25	8990	889	2x2	LTE B25	20	8365	1962.5	4x4	-	-	-	-	-	17.92	18.45		
CA [25A]-41A	LTE B26	10	26990	844	256QAM	1	25	8990	889	2x2	LTE B41	20	40620	2593	4x4	-	-	-	-	-	18.65	18.45		
CA [7A]-7A-26A	LTE B26	10	26990	844	256QAM	1	25	8990	889	2x2	LTE B7	20	3100	2655	4x4	LTE B7	20	2850	2630	4x4	-	-	18.04	18.45
CA [25A]-[25A]-26A	LTE B26	5	27015	846.5	64QAM	1	0	9015	891.5	2x2	LTE B25	20	8365	1962.5	4x4	LTE B25	20	8590	1985	4x4	-	-	18.41	18.39
CA [25A]-41C	LTE B26	10	26990	844	256QAM	1	25	8990	889	2x2	LTE B41	20	40620	2593	4x4	LTE B41	20	40422	2573.2	4x4	-	-	18.70	18.45

FCC ID: BCGA2379



SAR EVALUATION REPORT

Reviewed by:
Quality Manager

Test Dates:

12/28/2020 – 03/03/2021

DUT Type:

Tablet Device

APPENDIX H:
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Combination		PCC Band	PCC BW [MHz]	PCC [CCH]	PCC [FDD]	Mod	PCC UR	PCC UR RB	PCC UR off	PCC [CCH] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [CCH]	SCC [FDD]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [CCH]	SCC [FDD]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [CCH]	SCC [FDD]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [CCH]	SCC [FDD]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [CCH]	SCC [FDD]	DL Ant. Config.	Power
																																				WTRN CA L16 CA L17 CA L18 CA L19 CA L20 CA L21 CA L22 CA L23 CA L24 CA L25 CA L26 CA L27 CA L28 CA L29 CA L30 CA L31 CA L32 CA L33 CA L34 CA L35 CA L36 CA L37 CA L38 CA L39 CA L40 CA L41 CA L42 CA L43 CA L44 CA L45 CA L46 CA L47 CA L48 CA L49 CA L50 CA L51 CA L52 CA L53 CA L54 CA L55 CA L56 CA L57 CA L58 CA L59 CA L60 CA L61 CA L62 CA L63 CA L64 CA L65 CA L66 CA L67 CA L68 CA L69 CA L70 CA L71 CA L72 CA L73 CA L74 CA L75 CA L76 CA L77 CA L78 CA L79 CA L80 CA L81 CA L82 CA L83 CA L84 CA L85 CA L86 CA L87 CA L88 CA L89 CA L90 CA L91 CA L92 CA L93 CA L94 CA L95 CA L96 CA L97 CA L98 CA L99 CA L100 CA L101 CA L102 CA L103 CA L104 CA L105 CA L106 CA L107 CA L108 CA L109 CA L110 CA L111 CA L112 CA L113 CA L114 CA L115 CA L116 CA L117 CA L118 CA L119 CA L120 CA L121 CA L122 CA L123 CA L124 CA L125 CA L126 CA L127 CA L128 CA L129 CA L130 CA L131 CA L132 CA L133 CA L134 CA L135 CA L136 CA L137 CA L138 CA L139 CA L140 CA L141 CA L142 CA L143 CA L144 CA L145 CA L146 CA L147 CA L148 CA L149 CA L150 CA L151 CA L152 CA L153 CA L154 CA L155 CA L156 CA L157 CA L158 CA L159 CA L160 CA L161 CA L162 CA L163 CA L164 CA L165 CA L166 CA L167 CA L168 CA L169 CA L170 CA L171 CA L172 CA L173 CA L174 CA L175 CA L176 CA L177 CA L178 CA L179 CA L180 CA L181 CA L182 CA L183 CA L184 CA L185 CA L186 CA L187 CA L188 CA L189 CA L190 CA L191 CA L192 CA L193 CA L194 CA L195 CA L196 CA L197 CA L198 CA L199 CA L200 CA L201 CA L202 CA L203 CA L204 CA L205 CA L206 CA L207 CA L208 CA L209 CA L210 CA L211 CA L212 CA L213 CA L214 CA L215 CA L216 CA L217 CA L218 CA L219 CA L220 CA L221 CA L222 CA L223 CA L224 CA L225 CA L226 CA L227 CA L228 CA L229 CA L230 CA L231 CA L232 CA L233 CA L234 CA L235 CA L236 CA L237 CA L238 CA L239 CA L240 CA L241 CA L242 CA L243 CA L244 CA L245 CA L246 CA L247 CA L248 CA L249 CA L250 CA L251 CA L252 CA L253 CA L254 CA L255 CA L256 CA L257 CA L258 CA L259 CA L260 CA L261 CA L262 CA L263 CA L264 CA L265 CA L266 CA L267 CA L268 CA L269 CA L270 CA L271 CA L272 CA L273 CA L274 CA L275 CA L276 CA L277 CA L278 CA L279 CA L280 CA L281 CA L282 CA L283 CA L284 CA L285 CA L286 CA L287 CA L288 CA L289 CA L290 CA L291 CA L292 CA L293 CA L294 CA L295 CA L296 CA L297 CA L298 CA L299 CA L300 CA L301 CA L302 CA L303 CA L304 CA L305 CA L306 CA L307 CA L308 CA L309 CA L310 CA L311 CA L312 CA L313 CA L314 CA L315 CA L316 CA L317 CA L318 CA L319 CA L320 CA L321 CA L322 CA L323 CA L324 CA L325 CA L326 CA L327 CA L328 CA L329 CA L330 CA L331 CA L332 CA L333 CA L334 CA L335 CA L336 CA L337 CA L338 CA L339 CA L340 CA L341 CA L342 CA L343 CA L344 CA L345 CA L346 CA L347 CA L348 CA L349 CA L350 CA L351 CA L352 CA L353 CA L354 CA L355 CA L356 CA L357 CA L358 CA L359 CA L360 CA L361 CA L362 CA L363 CA L364 CA L365 CA L366 CA L367 CA L368 CA L369 CA L370 CA L371 CA L372 CA L373 CA L374 CA L375 CA L376 CA L377 CA L378 CA L379 CA L380 CA L381 CA L382 CA L383 CA L384 CA L385 CA L386 CA L387 CA L388 CA L389 CA L390 CA L391 CA L392 CA L393 CA L394 CA L395 CA L396 CA L397 CA L398 CA L399 CA L400 CA L401 CA L402 CA L403 CA L404 CA L405 CA L406 CA L407 CA L408 CA L409 CA L410 CA L411 CA L412 CA L413 CA L414 CA L415 CA L416 CA L417 CA L418 CA L419 CA L420 CA L421 CA L422 CA L423 CA L424 CA L425 CA L426 CA L427 CA L428 CA L429 CA L430 CA L431 CA L432 CA L433 CA L434 CA L435 CA L436 CA L437 CA L438 CA L439 CA L440 CA L441 CA L442 CA L443 CA L444 CA L445 CA L446 CA L447 CA L448 CA L449 CA L450 CA L451 CA L452 CA L453 CA L454 CA L455 CA L456 CA L457 CA L458 CA L459 CA L460 CA L461 CA L462 CA L463 CA L464 CA L465 CA L466 CA L467 CA L468 CA L469 CA L470 CA L471 CA L472 CA L473 CA L474 CA L475 CA L476 CA L477 CA L478 CA L479 CA L480 CA L481 CA L482 CA L483 CA L484 CA L485 CA L486 CA L487 CA L488 CA L489 CA L490 CA L491 CA L492 CA L493 CA L494 CA L495 CA L496 CA L497 CA L498 CA L499 CA L500 CA L501 CA L502 CA L503 CA L504 CA L505 CA L506 CA L507 CA L508 CA L509 CA L510 CA L511 CA L512 CA L513 CA L514 CA L515 CA L516 CA L517 CA L518 CA L519 CA L520 CA L521 CA L522 CA L523 CA L524 CA L525 CA L526 CA L527 CA L528 CA L529 CA L530 CA L531 CA	

Combination	PCC Band	PCC BW [MHz]	PCC [DL] Freq. [MHz]	Mod.	PCC				SCC 1				SCC 2				SCC 3				SCC 4				Power	
					PCC UL RB	PCC UL RB Offset	PCC [DL] Freq. [MHz]	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE T-Power with CA [dBm]
CA 5A [25A]	LTE B20	20	26140	16QAM	1	0	8140	1940	44a	LTE B5	10	2325	881.5	2x2	-	-	-	-	-	-	-	-	-	-	15.55	18.28
CA 12A [25A]	LTE B20	20	26140	16QAM	1	0	8140	1940	44a	LTE B12	15	5095	737.5	2x2	-	-	-	-	-	-	-	-	-	15.55	18.28	
CA 12A [25A] 25A	LTE B20	20	26140	16QAM	1	0	8140	1940	44a	LTE B20	20	8865	876.5	2x2	-	-	-	-	-	-	-	-	-	15.55	18.28	
CA 25A [46A]	LTE B20	20	26140	16QAM	1	0	8140	1940	44a	LTE B46	20	50665	5357.5	2x2	-	-	-	-	-	-	-	-	-	15.55	18.28	
CA 25A [25A] 25A	LTE B20	20	26140	16QAM	1	0	8140	1940	44a	LTE B20	20	8865	876.5	2x2	-	-	-	-	-	-	-	-	-	15.55	18.28	
CA 25A [46A] 46A	LTE B20	20	26140	16QAM	1	0	8140	1940	44a	LTE B20	20	8865	876.5	2x2	-	-	-	-	-	-	-	-	-	15.55	18.28	
CA 25A [46A] 46A	LTE B20	20	26140	16QAM	1	0	8140	1940	44a	LTE B46	20	40622	2573.2	2x2	-	-	-	-	-	-	-	-	-	15.78	18.28	
CA 25A [46A] 46A	LTE B20	20	26140	16QAM	1	0	8140	1940	44a	LTE B46	20	40622	2573.2	2x2	-	-	-	-	-	-	-	-	-	15.78	18.28	
CA 25A [46A] 46A	LTE B20	20	26140	16QAM	1	0	8140	1940	44a	LTE B46	20	40622	2573.2	2x2	-	-	-	-	-	-	-	-	-	15.78	18.28	
CA 25A [46A] 46A	LTE B20	20	26140	16QAM	1	0	8140	1940	44a	LTE B46	20	40622	2573.2	2x2	-	-	-	-	-	-	-	-	-	15.78	18.28	
CA 25A [46A] 46A	LTE B20	20	26140	16QAM	1	0	8140	1940	44a	LTE B46	20	40622	2573.2	2x2	-	-	-	-	-	-	-	-	-	15.78	18.28	
CA 25A [46A] 46A	LTE B20	20	26140	16QAM	1	0	8140	1940	44a	LTE B46	20	40622	2573.2	2x2	-	-	-	-	-	-	-	-	-	15.78	18.28	
CA 25A [46A] 46A	LTE B20	20	26140	16QAM	1	0	8140	1940	44a	LTE B46	20	40622	2573.2	2x2	-	-	-	-	-	-	-	-	-	15.78	18.28	
CA 25A [46A] 46A	LTE B20	20	26140	16QAM	1	0	8140	1940	44a	LTE B46	20	40622	2573.2	2x2	-	-	-	-	-	-	-	-	-	15.78	18.28	
CA 25A [46A] 46A	LTE B20	20	26140	16QAM	1	0	8140	1940	44a	LTE B46	20	40622	2573.2	2x2	-	-	-	-	-	-	-	-	-	15.78	18.28	
CA 25A [46A] 46A	LTE B20	20	26140	16QAM	1	0	8140	1940	44a	LTE B46	20	40622	2573.2	2x												

LTE Band 30 as PCC

Table 26
Output Powers - Ant 3

Combination	PCB Band	PCC						SCC 1				SCC 2				SCC 3				SCC 4				Power						
		PCC BW [MHz]	PCC Uls [MHz]	PCC Uls Freq. [MHz]	PCC Mod.	PCC Uls RB Offset	PCC Uls CH Ch.	SCC Band	SCC BW [MHz]	SCC Uls Freq. [MHz]	SCC Df Config.	SCC Band	SCC BW [MHz]	SCC Uls CH Ch.	SCC Df Config.	SCC Band	SCC BW [MHz]	SCC Uls CH Ch.	SCC Df Config.	SCC Band	SCC BW [MHz]	SCC Uls Freq. [MHz]	Df Ant. Config.	SCC Band	SCC BW [MHz]	SCC Uls Freq. [MHz]	Df Ant. Config.	LTE Tx Power with CA Enab. (dBm)	LTE Single Carrier Tx Power (dBm)	
CA {2G}	LTE B30	s	27710	2310	25MQAM	12	e	H820	2355	4va	LTE B2	20	900	1960	4va	LTE B2	20	702	1560	2	4va-	-	-	-	-	-	-	-	14.58	14.64
CA {2A} {2A-1-2A}	LTE B30	s	27710	2310	25MQAM	12	e	H820	2355	4va	LTE B2	20	900	1960	4va	LTE B2	20	700	1490	4va	LTE B20	10	8715	722.5	2x2	-	-	-	14.71	14.64
CA {2A} {2A-1-2A-3A}	LTE B30	s	27710	2310	25MQAM	12	e	H820	2355	4va	LTE B2	20	900	1960	4va	LTE B4	20	2175	2132.5	4	LTE B20	10	8715	722.5	2x2	-	-	-	14.60	14.64
CA {2A} {2A-1-2A-3A-3A}	LTE B30	s	27710	2310	25MQAM	12	e	H820	2355	4va	LTE B2	20	900	1960	4va	LTE B12	20	2175	2132.5	4	LTE B20	10	8715	722.5	2x2	-	-	-	14.69	14.64
CA {2A} {2A-1-2A-3A-3A}	LTE B30	s	27710	2310	25MQAM	12	e	H820	2355	4va	LTE B2	20	900	1960	4va	LTE B4	20	2175	2132.5	4	LTE B20	10	8715	722.5	2x2	-	-	-	14.69	14.64
CA {2A} {2A-1-2A-3A-3A}	LTE B30	s	27710	2310	25MQAM	12	e	H820	2355	4va	LTE B2	20	900	1960	4va	LTE B20	10	8715	722.5	2x2	LTE B66	20	66786	2145	4va	-	-	-	14.68	14.64
CA {2A} {2A-1-2A-3A-3A}	LTE B30	s	27710	2310	25MQAM	12	e	H820	2355	4va	LTE B2	20	900	1960	4va	LTE B4	20	2175	2132.5	4	LTE B20	10	8715	722.5	2x2	-	-	-	14.69	14.64
CA {4A} {4A-1-4A}	LTE B30	s	27710	2310	25MQAM	12	e	H820	2355	4va	LTE B2	20	900	1960	4va	LTE B2	20	700	1490	4va	LTE B20	10	8715	722.5	2x2	-	-	-	14.60	14.64
CA {2A} {2A-1-2A-3A-3A}	LTE B30	s	27710	2310	25MQAM	12	e	H820	2355	4va	LTE B2	20	900	1960	4va	LTE B4	20	2175	2132.5	4	LTE B20	10	8715	722.5	2x2	-	-	-	14.69	14.64
CA {2A} {2A-1-2A-3A-3A}	LTE B30	s	27710	2310	25MQAM	12	e	H820	2355	4va	LTE B2	20	900	1960	4va	LTE B2	20	700	1490	4va	LTE B20	10	8715	722.5	2x2	-	-	-	14.60	14.64
CA {2A} {2A-1-2A-3A-3A}	LTE B30	s	27710	2310	25MQAM	12	e	H820	2355	4va	LTE B2	20	900	1960	4va	LTE B2	20	700	1490	4va	LTE B20	10	8715	722.5	2x2	-	-	-	14.60	14.64
CA {2A} {2A-1-2A-3A-3A}	LTE B30	s	27710	2310	25MQAM	12	e	H820	2355	4va	LTE B2	20	900	1960	4va	LTE B2	20	700	1490	4va	LTE B20	10	8715	722.5	2x2	-	-	-	14.60	14.64
CA {2A} {2A-1-2A-3A-3A}	LTE B30	s	27710	2310	25MQAM	12	e	H820	2355	4va	LTE B2	20	900	1960	4va	LTE B2	20	700	1490	4va	LTE B20	10	8715	722.5	2x2	-	-	-	14.60	14.64
CA {2A} {2A-1-2A-3A-3A}	LTE B30	s	27710	2310	25MQAM	12	e	H820	2355	4va	LTE B2	20	900	1960	4va	LTE B2	20	700	1490	4va	LTE B20	10	8715	722.5	2x2	-	-	-	14.60	14.64
CA {2A} {2A-1-2A-3A-3A}																														

1.4.1

LTE Band 7 as PCC

Table 27
Output Powers - Ant 3

[illegible]

1.4.2

LTE Band 41 as PCC

Table 28
Output Powers - Ant 2b

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [Fwd] Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Fwd [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	DL Ant. Config.	LTE Tx Power with PCC [dBm]	LTE Single with PCC Power (dBm)	
CA 9A (4A)1	LTE B41	20	410505	26316.5	16QAM	1	0	410505	26316.5	4x4	LTE B35	20	21235	881.5	2x2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.40	15.40
CA 9A (4A)2	LTE B41	20	410505	26316.5	16QAM	1	0	410505	26316.5	4x4	LTE B35	20	21235	881.5	2x2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.40	15.40
CA 26A (4A)1	LTE B41	20	410505	26316.5	16QAM	1	0	410505	26316.5	4x4	LTE B41	20	39750	2506	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.40	15.40
CA 26A (4A)2	LTE B41	20	410505	26316.5	16QAM	1	0	410505	26316.5	4x4	LTE B41	20	39750	2506	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.40	15.40
CA 26A (4A)3	LTE B41	20	410505	26316.5	16QAM	1	0	410505	26316.5	4x4	LTE B41	20	39750	2506	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.40	15.40
CA 26A (4A)4	LTE B41	20	410505	26316.5	16QAM	1	0	410505	26316.5	4x4	LTE B41	20	39750	2506	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.40	15.40
CA 26A (4A)5	LTE B41	20	410505	26316.5	16QAM	1	0	410505	26316.5	4x4	LTE B41	20	39750	2506	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.40	15.40
CA 26A (4A)6	LTE B41	20	410505	26316.5	16QAM	1	0	410505	26316.5	4x4	LTE B41	20	39750	2506	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.40	15.40
CA 26A (4A)7	LTE B41	20	410505	26316.5	16QAM	1	0	410505	26316.5	4x4	LTE B41	20	39750	2506	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.40	15.40
CA 26A (4A)8	LTE B41	20	410505	26316.5	16QAM	1	0	410505	26316.5	4x4	LTE B41	20	39750	2506	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.40	15.40
CA 26A (4A)9	LTE B41	20	410505	26316.5	16QAM	1	0	410505	26316.5	4x4	LTE B41	20	39750	2506	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.40	15.40
CA 26A (4A)10	LTE B41	20	410505	26316.5	16QAM	1	0	410505	26316.5	4x4	LTE B41	20	39750	2506	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.40	15.40
CA 26A (4A)11	LTE B41	20	410505	26316.5	16QAM	1																											

FCC ID: BCGA2379	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	Reviewed by: Quality Manager
Test Dates: 12/28/2020 – 03/03/2021	DUT Type: Tablet Device	APPENDIX H: Page 12 of 15	

1.4.3 LTE Band 48 as PCC

Table 29
Output Powers - Ant 1

Combination	PCC										SCC 1				SCC 2				SCC 3				SCC 4				Power							
	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [DL] Freq. [MHz]	Mod.	PCC UL# RB	PCC UL# RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)		
CA 5A (48A)	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	4x4	LTE B5	10	2525	891.5	2x2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.75	13.45		
CA 12A (48A) (48A)	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	4x4	LTE B48	20	5640	3690	4x4	LTE B2	20	900	1560	4x4	-	-	-	-	-	-	-	-	-	-	-	13.25	13.45	
CA 12A (48A) (66A)	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	4x4	LTE B2	20	900	1560	4x4	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	-	-	-	-	-	13.05	13.45	
CA 13A (48A) (66A)	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	4x4	LTE B13	10	5230	751	2x2	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	-	-	-	-	-	12.87	13.45	
CA 12A (48C) (66A)	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	4x4	LTE B48	20	5640	3674.0	4x4	LTE B2	20	900	1560	4x4	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	13.13	13.45	
CA 13A (48C) (66A)	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	4x4	LTE B48	20	5640	3674.0	4x4	LTE B13	10	5230	751	2x2	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	13.36	13.45	
CA 14A (48A) (66A) (66A)	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	4x4	LTE B48	20	5640	3690	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	-	-	-	-	-	-	13.20	13.45	
CA 14A (48C) (66A)	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	4x4	LTE B48	20	5640	3690	4x4	LTE B48	20	5640	3690	4x4	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	13.19	13.45	
CA 14B (48A) (66A)	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	4x4	LTE B48	20	5640	3674.0	4x4	LTE B48	20	5640	3690	4x4	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	13.22	13.45	
CA 14B (48C) (66A)	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	4x4	LTE B48	20	5640	3674.0	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	-	-	-	-	-	-	13.17	13.45	
CA 12A (48D) (66A)	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	4x4	LTE B48	20	5640	3674.0	4x4	LTE B48	20	5640	3694.4	4x4	LTE B2	20	900	1560	4x4	LTE B66	20	66786	2145	4x4	-	-	12.90	13.45
CA 12A (48E) (66A)	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	4x4	LTE B48	20	5640	3674.0	4x4	LTE B48	20	5640	3694.4	4x4	LTE B2	20	900	1560	4x4	LTE B66	20	66786	2145	4x4	-	-	13.68	13.45
CA 14B (66A)	LTE B48	15	55315	3557.5	256QAM	1	74	55315	3557.5	4x4	LTE B48	20	5640	3674.0	4x4	LTE B48	20	5640	3694.4	4x4	LTE B48	20	5640	3694.4	4x4	LTE B66	20	66786	2145	4x4	-	-	13.68	13.45

1.5 Intra-band Downlink Carrier Aggregation with Uplink Carrier Aggregation enabled

This device supports Intra-band uplink carrier aggregation (ULCA) with additional Carrier Aggregation configurations active in the downlink. Power measurements were performed with Intra-band ULCA active and additional CA configurations active in the downlink for the configuration per Fall 2017 TCB Workshop Notes.

Per FCC Guidance, additional SAR measurements for these configurations were not required since their maximum output power was not more than 0.25 dB higher than the maximum output power for with only ULCA active.

1.5.1 Intra-band DL Carrier Aggregation RF Conducted Powers

1.5.1.1 LTE Band 41

Table 30
Output Powers – Ant 2b

Combination	PCC										SCC 1				SCC 2				SCC 3				SCC 4				Power			
	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [DL] Freq. [MHz]	Mod.	PCC UL# RB	PCC UL# RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	Mod.	SCC UL# RB	SCC UL# RB Offset	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	ULCA TxPower with DL CA Enabled (dBm)	ULCA Tx Power [dBm]		
CA 41C-41A	LTE B41	20	45480	2680	QPSK	50	0	45480	2680	LTE B41	20	45480	2680.2	QPSK	50	0	45480	2680.2	LTE B41	20	39750	2500	-	-	-	-	-	-	15.45	15.45
CA 41D-41A	LTE B41	20	45480	2680	QPSK	50	0	45480	2680	LTE B41	20	45480	2680.2	QPSK	50	0	45480	2680.2	LTE B41	20	41004	2500	LTE B41	20	39750	2500	-	-	15.42	15.45
CA 41C-41C	LTE B41	20	45480	2680	QPSK	50	0	45480	2680	LTE B41	20	45480	2680.2	QPSK	50	0	45480	2680.2	LTE B41	20	39750	2500	-	-	-	-	-	-	15.45	15.45
CA 41E	LTE B41	20	45480	2680	QPSK	50	0	45480	2680	LTE B41	20	45480	2680.2	QPSK	50	0	45480	2680.2	LTE B41	20	41004	2500	LTE B41	20	39350	2000	-	-	15.46	15.45
CA 41D-41D	LTE B41	20	45480	2680	QPSK	50	0	45480	2680	LTE B41	20	45480	2680.2	QPSK	50	0	45480	2680.2	LTE B41	20	39750	2500	-	-	-	-	-	-	15.43	15.45
CA 41D-41E	LTE B41	20	45480	2680	QPSK	50	0	45480	2680	LTE B41	20	45480	2680.2	QPSK	50	0	45480	2680.2	LTE B41	20	41004	2500	LTE B41	20	39750	2000	-	-	15.45	15.45

1.5.1.2 LTE Band 48

Table 31
Output Powers – Ant 1

	PCC										SCC 1				SCC 2				SCC 3				Power							
Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL # RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	Mod.	SCC UL # RB	SCC UL RB Offset	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	ULCA Tx Power with CA Enabled (dBm)	ULCA Tx Power (dBm)	
CA 48D	LTE B48	20	5640	3690	QPSK	1	0	5640	3690	LTE B48	20	56442	3670.2	QPSK	1	99	56442	3670.2	LTE B48	20	56244	3650.4	4x4	-	-	-	-	-	13.56	13.55
CA 48E	LTE B48	20	5640	3690	QPSK	1	0	5640	3690	LTE B48	20	56442	3670.2	QPSK	1	99	56442	3670.2	LTE B48	20	56244	3650.4	4x4	LTE B48	20	56046	3630.6	13.57	13.55	

FCC ID: BCGA2379	 PCTEST Proud to be part of  element	SAR EVALUATION REPORT	Reviewed by: Quality Manager
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1.5.2

Intra-band DL Carrier Aggregation with DL 4x4 MIMO RF Conducted Powers

Note: 4x4 DL MIMO is only operating in the downlink. Uplink transmission is limited to a single output stream for each component carrier of ULCA.

1.5.2.1 LTE Band 7

Table 32
Output Powers - Ant 3

Combination	PCC										SCC 1										Power	
	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (UL) Ch.	SCC (UL) Freq. [MHz]	Mod.	SCC UL# RB	SCC UL RB Offset	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	ULCA Tx Power with DL CA Enabled [dBm]	ULCA Tx Power [dBm]
CA [7C]	LTE B7	20	21350	2560	QPSK	50	0	3350	2680	4x4	LTE B7	20	21152	2540.2	QPSK	50	50	3152	2660.2	4x4	14.81	14.84

1.5.2.2 LTE Band 41

Table 33
Output Powers – Ant 2b

Combination	PCC										SCC 1										Power	
	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (UL) Ch.	SCC (UL) Freq. [MHz]	Mod.	SCC UL# RB	SCC UL RB Offset	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	ULCA Tx Power with DL CA Enabled [dBm]	ULCA Tx Power [dBm]
CA [41C][41A]	LTE B41	20	41480	3680	QPSK	50	0	41480	3680	4x4	LTE B41	20	41320	3660.2	QPSK	50	50	41292	3660.2	4x4	13.43	13.43
CA [41B]	LTE B41	20	41480	3680	QPSK	50	0	41480	3680	4x4	LTE B41	20	41320	3660.2	QPSK	50	50	41292	3660.2	4x4	13.43	13.43
CA [41B][41A]	LTE B41	20	41480	3680	QPSK	50	0	41480	3680	4x4	LTE B41	20	41320	3660.2	QPSK	50	50	41292	3660.2	4x4	13.43	13.43
CA [41C][41C]	LTE B41	20	41480	3680	QPSK	50	0	41480	3680	4x4	LTE B41	20	41320	3660.2	QPSK	50	50	41292	3660.2	4x4	13.43	13.43
CA [41C][41D]	LTE B41	20	41480	3680	QPSK	50	0	41480	3680	4x4	LTE B41	20	41320	3660.2	QPSK	50	50	41292	3660.2	4x4	13.43	13.43
CA [41C][41E]	LTE B41	20	41480	3680	QPSK	50	0	41480	3680	4x4	LTE B41	20	41320	3660.2	QPSK	50	50	41292	3660.2	4x4	13.43	13.43
CA [41D][41D]	LTE B41	20	41480	3680	QPSK	50	0	41480	3680	4x4	LTE B41	20	41320	3660.2	QPSK	50	50	41292	3660.2	4x4	13.43	13.43
CA [41D][41E]	LTE B41	20	41480	3680	QPSK	50	0	41480	3680	4x4	LTE B41	20	41320	3660.2	QPSK	50	50	41292	3660.2	4x4	13.43	13.43
CA [41E][41E]	LTE B41	20	41480	3680	QPSK	50	0	41480	3680	4x4	LTE B41	20	41320	3660.2	QPSK	50	50	41292	3660.2	4x4	13.43	13.43

1.5.1.3 LTE Band 48

Table 34
Output Powers – Ant 1

Combination	PCC										SCC 1										Power	
	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (UL) Ch.	SCC (UL) Freq. [MHz]	Mod.	SCC UL# RB	SCC UL RB Offset	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	ULCA Tx Power with DL CA Enabled [dBm]	ULCA Tx Power [dBm]
CA [48C]	LTE B48	20	56840	3680	QPSK	1	0	56840	3680	4x4	LTE B48	20	56442	3670.2	QPSK	1	99	56442	3670.2	4x4	13.33	13.33
CA [48B]	LTE B48	20	56840	3680	QPSK	1	0	56840	3680	4x4	LTE B48	20	56442	3670.2	QPSK	1	99	56442	3670.2	4x4	13.33	13.33
CA [48E]	LTE B48	20	56840	3680	QPSK	1	0	56840	3680	4x4	LTE B48	20	56442	3670.2	QPSK	1	99	56442	3670.2	4x4	13.33	13.33

FCC ID: BCGA2379



SAR EVALUATION REPORT

Reviewed by:
Quality Manager

Test Dates:

12/28/2020 – 03/03/2021

DUT Type:

Tablet Device

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1.6 Inter-band Downlink Carrier Aggregation with Uplink Carrier Aggregation enabled

This device supports Inter-band uplink carrier aggregation (ULCA) with additional Carrier Aggregation configurations active in the downlink. Power measurements were performed with Inter-band ULCA active and additional CA configurations active in the downlink for the configuration per Fall 2017 TCB Workshop Notes.

Per FCC Guidance, additional SAR measurements for these configurations were not required since their maximum output power was not more than 0.25 dB higher than the maximum output power for with only ULCA active.

1.6.1 Inter-band DL Carrier Aggregation RF Conducted Powers

Table 35
Output Powers

Combination	PCC Band	PCC BW [MHz]	PCC				SCC 1										SCC 2				Antenna		Power					
			PCC [DL] Ch.	PCC [UL] Freq. [MHz]	Modulation	PCC UL RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [UL] RB Offset	SCC [DL] Channel	SCC [DL] Frequency [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [UL] Freq. [MHz]	PCC Ant.	SCC Ant.	Interband ULCA Tx Power with add'l DL CA active (dBm)		LTE Interband ULCA Tx Power (dBm)				
																							PCC	SCC	PCC	SCC		
CA 2A-5A-66A	LTE B5	10	20525	886.5	QPSK	1	25	2525	881.5	LTE B2	20	18900	1880	QPSK	1	50	900	1960	LTE B66	20	66786	2145	Ant 3	Ant 1	18.10	15.39	17.97	13.41
CA 2A-12A-20A	LTE B12	10	23095	707.5	QPSK	1	25	5095	717.5	LTE B2	20	18900	1880	QPSK	1	50	900	1960	LTE B20	10	6620	2155	Ant 1	Ant 1	20.15	15.39	20.01	13.36
CA 2A-12A-66A	LTE B12	10	23095	707.5	QPSK	1	25	5095	717.5	LTE B2	20	18900	1880	QPSK	1	50	900	1960	LTE B66	20	66786	2145	Ant 1	Ant 1	20.15	15.39	20.01	13.36
CA 2A-12A-66A	LTE B66	20	132322	1770	QPSK	1	50	66786	2145	LTE B12	10	23095	707.5	QPSK	1	25	5095	717.5	LTE B2	20	900	1960	Ant 3	Ant 1	14.04	19.31	14.05	19.86
CA 2A-12A-66A	LTE B12	10	23095	707.5	QPSK	1	25	5095	717.5	LTE B66	20	132322	1770	QPSK	1	50	66786	2145	LTE B2	20	900	1960	Ant 1	Ant 1	20.11	14.25	20.02	14.11
CA 2A-4A-13A	LTE B13	10	23230	782	QPSK	1	25	5230	751	LTE B2	20	18900	1880	QPSK	1	50	900	1960	LTE B2	20	900	1960	Ant 1	Ant 3	20.05	14.43	20.00	14.13
CA 2A-4A-13A	LTE B13	10	23230	782	QPSK	1	25	5230	751	LTE B4	20	20175	1743.5	QPSK	1	50	2175	2152.5	LTE B2	20	900	1960	Ant 1	Ant 3	20.03	14.42	20.00	14.13
CA 2A-13A-66A	LTE B13	10	23230	782	QPSK	1	25	5230	751	LTE B2	20	18900	1880	QPSK	1	50	900	1960	LTE B66	20	66786	2145	Ant 1	Ant 3	19.95	14.44	20.00	14.13
CA 2A-13A-66A	LTE B66	20	132322	1770	QPSK	1	50	66786	2145	LTE B13	10	23230	782	QPSK	1	25	5230	751	LTE B2	20	900	1960	Ant 3	Ant 1	14.13	19.31	14.14	19.90
CA 2A-13A-66A	LTE B13	10	23230	782	QPSK	1	25	5230	751	LTE B66	20	132322	1770	QPSK	1	50	66786	2145	LTE B2	20	900	1960	Ant 1	Ant 3	19.76	14.30	19.88	14.25
CA 2A-4A-12A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B4	20	20175	1743.5	QPSK	1	50	2175	2152.5	LTE B2	20	900	1960	Ant 1	Ant 3	20.13	14.37	20.06	14.42
CA 4A-12A-20A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B4	20	20175	1743.5	QPSK	1	50	2175	2152.5	LTE B20	10	6620	2155	Ant 3	Ant 3	20.04	14.34	20.00	14.42
CA 5A-7A-7A	LTE B5	10	20525	886.5	QPSK	1	25	2525	881.5	LTE B7	20	11100	2525	QPSK	1	50	3100	2925	LTE B7	20	2850	2920	Ant 3	Ant 20	18.03	13.50	17.99	13.70
CA 5A-7A-7A	LTE B7	20	21100	2560	QPSK	1	25	3100	2855	LTE B5	10	20525	886.5	QPSK	1	25	2525	881.5	LTE B7	20	2850	2920	Ant 3	Ant 1	14.41	18.18	14.47	18.20
CA 5A-66A-66A	LTE B5	10	20525	886.5	QPSK	1	25	2525	881.5	LTE B66	20	132322	1770	QPSK	1	50	66786	2145	LTE B66	20	67038	2170	Ant 3	Ant 1	14.15	17.85	17.88	14.20
CA 5A-66A-66A	LTE B66	20	132322	1770	QPSK	1	50	66786	2145	LTE B5	10	20525	886.5	QPSK	1	25	2525	881.5	LTE B66	20	67038	2170	Ant 3	Ant 1	14.15	18.82	14.16	18.61
CA 13A-66A-66A	LTE B13	10	23230	782	QPSK	1	25	5230	751	LTE B66	20	132322	1770	QPSK	1	50	66786	2145	LTE B66	20	67038	2170	Ant 1	Ant 1	19.85	14.35	19.88	14.25
CA 13A-66A-66A	LTE B66	20	132322	1770	QPSK	1	50	66786	2145	LTE B13	10	23230	782	QPSK	1	25	5230	751	LTE B66	20	67038	2170	Ant 3	Ant 1	14.28	19.14	14.20	19.90

1.6.2 Inter-band DL Carrier Aggregation with DL 4x4 MIMO RF Conducted Powers

Note: 4x4 DL MIMO is only operating in the downlink. Uplink transmission is limited to a single output stream for each component carrier of ULCA.

Table 36
Output Powers

Combination	PCC Band	PCC Bandwidth [MHz]	PCC				SCC 1										SCC 2				Antenna		Power								
			PCC [DL] Channel	PCC [UL] Frequency [MHz]	Modulation	PCC UL RB	PCC UL RB Offset	PCC [DL] Channel	PCC [DL] Frequency [MHz]	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC [DL] Ch.	SCC [UL] Freq. [MHz]	Modulation	SCC UL RB	SCC UL RB Offset	SCC [DL] Channel	SCC [DL] Frequency [MHz]	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC [DL] Channel	SCC [UL] Frequency [MHz]	PCC Ant.	SCC Ant.	Interband ULCA Tx Power with add'l DL CA active [dBm]	LTE Interband ULCA Tx Power [dBm]			
CA 1A-5A	LTE B5	10	20525	886.5	QPSK	1	25	20525	881.5	2x2	LTE B4	20	20175	1743.5	QPSK	1	50	2175	2152.5	4x4					Ant 3	Ant 1	17.93	14.48	17.98	14.26	
CA 1A-5A-10A	LTE B5	10	20525	886.5	QPSK	1	25	20525	881.5	2x2	LTE B2	20	18900	1880	QPSK	1	50	1880	1860	4x4	LTE B66	20	66786	2145	4x4	Ant 3	Ant 1	18.16	14.31	18.12	14.41
CA 1A-12A-10A	LTE B12	10	23095	707.5	QPSK	1	25	23095	717.5	2x2	LTE B2	20	18900	1880	QPSK	1	50	1880	1860	4x4	LTE B20	10	6620	2155	4x4	Ant 3	Ant 1	14.42	19.11	14.42	19.11
CA 1A-12A-10A	LTE B12	10	23095	707.5	QPSK	1	25	23095	717.5	2x2	LTE B66	20	18900	1880	QPSK	1	50	1880	1860	4x4	LTE B66	20	66786	2145	4x4	Ant 3	Ant 1	19.20	14.37	19.21	14.42
CA 1A-12A-10A	LTE B66	20	132322	1770	QPSK	1	50	66786	2145	4x4	LTE B12	10	23095	707.5	QPSK	1	25	5095	717.5	2x2	LTE B2	20	900	1960	4x4	Ant 3	Ant 1	19.86	14.30	19.86	14.26
CA 1A-12A-13A	LTE B13	10	23230	782	QPSK	1	25	23230	751	2x2	LTE B2	20	18900	1880	QPSK	1	50	1880	1860	4x4	LTE B2	20	900	1960	4x4	Ant 3	Ant 1	19.81	14.30	19.82	14.13
CA 1A-12A-13A	LTE B13	10	23230	782	QPSK	1	25	23230	751	2x2	LTE B66	20	18900	1880	QPSK	1	50	1880	1860	4x4	LTE B4	20	2175	2152.5	4x4	Ant 3	Ant 1	19.01	14.28	19.02	14.13
CA 1A-13A-13A	LTE B13	10	23230	782	QPSK	1	25	23230	751	2x2	LTE B4	20	20175	1743.5	QPSK	1	50	2175	2152.5	4x4	LTE B2	20	900	1960	4x4	Ant 3	Ant 1	14.16	19.19	14.17	19.25
CA 1A-13A-13A	LTE B13	10	23230	782	QPSK	1	25	23230	751	2x2	LTE B2	20	18900	1880	QPSK	1	50	1880	1860	4x4	LTE B66	20	66786	2145	4x4	Ant 3	Ant 1	14.30	14.30	14.31	14.11
CA 1A-13A-13A	LTE B66	20	132322	1770	QPSK	1	50	66786	2145	4x4	LTE B13	10	23230	782	QPSK	1	25	5230	751	2x2	LTE B2	20	900	1960	4x4	Ant 3	Ant 1	19.21	19.20	19.21	19.20
CA 1A-13A-13A	LTE B13	10	23230	782	QPSK	1	25	23230	751	2x2	LTE B66	20	132322	1770	QPSK	1	50	66786	2145	4x4	LTE B2	20	900	1960	4x4	Ant 3	Ant 1	14.20	19.89	14.20	19.42
CA 1A-13A-13A	LTE B66	20	132322	1770	QPSK	1	50	66786	2145	4x4	LTE B2	20	20175	1743.5	QPSK	1	50	2175	2152.5	4x4	LTE B66	20	66786	2145	4x4	Ant 3	Ant 1	19.21	19.20	19.21	19.20
CA 1A-13A-13A	LTE B2	20	20525	886.5	QPSK	1	50	20525	881.5	2x2	LTE B7	20	21100	2560	QPSK	1	50	3100	2925	4x4	LTE B7	20	2850	2920	4x4	Ant 3	Ant 20	17.95	17.95	17.95	17.95
CA 5A-7A-7A	LTE B5	10	20525	886.5	QPSK	1	25	20525	881.5	2x2	LTE B7	20	21100	2560	QPSK	1	50	3100	2925	4x4	LTE B7	20	2850	2920	4x4	Ant 3	Ant 20	17.95	17.95	17.95	17.95
CA 5A-66A-66A	LTE B5	10	20525	886.5	QPSK	1	25	20525	881.5	2x2	LTE B66	20	132322	1770	QPSK	1	50	66786	2145	4x4	LTE B66	20	67038	2170	4x4	Ant 3	Ant 1	14.37	14.37	14.37	14.37
CA 5A-66A-66A	LTE B66	20	132322	1770	QPSK	1	50	66786	2145	4x4	LTE B5	10	20525	886.5	QPSK	1	25	2525	881.5	2x2	LTE B66	20	67038	2170	4x4	Ant 3	Ant 1	14.37	14.37	14.37	14.37
CA 5A-66A-66A	LTE B66	20	132322	1770	QPSK	1	50	66786	2145	4x4	LTE B13	10	23230	782	QPSK	1	25	5230	751	2x2	LTE B66	20	67038	2170	4x4	Ant 3	Ant 1	14.37	14.37	14.37	14.37
CA 13A-66A-6																															

APPENDIX I: IEEE 802.11AX RU SAR EXCLUSION

FCC ID: BCGA2379	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	Reviewed by: Quality Manager
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1.1 IEEE 802.11ax RU SAR Exclusion

To make the most efficient use of the additional available subcarriers (data tones), IEEE 802.11ax can utilize Orthogonal Frequency-Division Multiple Access (OFDMA) which divides the existing 802.11 channels into smaller subchannels called Resource Units (RUs). Possible RU sizes are: 26T, 52T, 106T, 242T, 484T, 996T.

Per FCC Guidance, 802.11ax was considered a higher order 802.11 mode when compared to a/b/g/n/ac to apply KDB Publication 248227 D01v02r02 for OFDM mode selection. Therefore, SAR tests were not required for 802.11ax based on the maximum allowed output powers of OFDM modes and the reported SAR values. Per FCC Guidance, maximum conducted powers were performed for each RU size to demonstrate that the output powers would not be higher than the other OFDM 802.11 modes.

1.2 IEEE 802.11ax RU Target Powers

1.2.1 Maximum 802.11ax RU Time-Averaged WLAN Output Power

Mode/ Band		Tones	26T		52T		106T		242T	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - Single Tx Chain (dBm) - Antenna 4a	20 MHz Bandwidth	1	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		2	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		3	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		4	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		5	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		6	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		7	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		8	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		9	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		10	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		11	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		12	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Mode/ Band		Tones	26T		52T		106T		242T	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average nonTXBF- 2 Tx Chain (dBm) - Antenna 4a	20 MHz Bandwidth	1	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		2	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		3	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		4	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		5	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		6	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		7	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		8	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		9	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		10	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		11	11.75	10.25	11.75	10.25	11.75	10.25	11.75	10.25
		12	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2379	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	Reviewed by: Quality Manager
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Mode/ Band		Tones	26T		52T		106T		242T	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - Single Tx Chain (dBm) - Antenna 2a	20 MHz Bandwidth	1	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
		2	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
		3	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
		4	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
		5	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
		6	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
		7	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
		8	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
		9	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
		10	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
		11	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
		12	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75
		13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Mode/ Band		Tones	26T		52T		106T		242T	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - nonTXBF 2 Tx Chain (dBm) - Antenna 2a	20 MHz Bandwidth	1	12.50	11.00	12.50	11.00	12.50	11.00	12.75	11.25
		2	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
		3	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
		4	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
		5	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
		6	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
		7	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
		8	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
		9	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
		10	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
		11	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
		12	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2379	 PCTEST Proud to be part of 	SAR EVALUATION REPORT	Reviewed by: Quality Manager
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Mode/ Band		Tones	26T		52T		106T		242T		484T		996T				
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal			
Modulated Average - Single Tx Chain (dBm) - Ant 5b	20 MHz Bandwidth	36	12.00	10.50	15.00	13.50	15.00	13.50	15.00	13.50							
		40	12.00	10.50	15.00	13.50	16.25	14.75	16.25	14.75							
		44	12.00	10.50	15.00	13.50	16.25	14.75	16.25	14.75							
		48	12.00	10.50	15.00	13.50	16.25	14.75	16.25	14.75							
		52	12.00	10.50	15.00	13.50	16.25	14.75	16.25	14.75							
		56	12.00	10.50	15.00	13.50	16.25	14.75	16.25	14.75							
		60	12.00	10.50	15.00	13.50	16.25	14.75	16.25	14.75							
		64	12.00	10.50	15.00	13.50	16.00	14.50	16.00	14.50							
		100	12.00	10.50	15.00	13.50	15.00	13.50	15.00	13.50							
		104	12.00	10.50	15.00	13.50	15.50	14.00	15.50	14.00							
		108	12.00	10.50	15.00	13.50	15.50	14.00	15.50	14.00							
		112	12.00	10.50	15.00	13.50	15.50	14.00	15.50	14.00							
		116	12.00	10.50	15.00	13.50	15.50	14.00	15.50	14.00							
		120	12.00	10.50	15.00	13.50	15.00	13.50	15.00	13.50							
		124	12.00	10.50	15.00	13.50	15.00	13.50	15.00	13.50							
		128	12.00	10.50	15.00	13.50	15.00	13.50	15.00	13.50							
		132	12.00	10.50	15.00	13.50	15.00	13.50	15.00	13.50							
		136	12.00	10.50	15.00	13.50	15.00	13.50	15.00	13.50							
		140	12.00	10.50	13.50	12.00	13.50	12.00	13.50	12.00							
		144	12.00	10.50	15.00	13.50	15.00	13.50	15.00	13.50							
	149	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75								
	153	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75								
	157	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75								
	161	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75								
	165	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75								
	40 MHz Bandwidth	38	12.00	10.50	13.00	11.50	13.00	11.50	13.00	11.50	13.00	11.50					
		46	12.00	10.50	15.00	13.50	17.25	15.75	17.25	15.75	17.25	15.75					
		54	12.00	10.50	15.00	13.50	17.25	15.75	17.25	15.75	17.25	15.75					
		62	12.00	10.50	13.50	12.00	13.50	12.00	13.50	12.00	13.50	12.00					
		102	12.00	10.50	13.00	11.50	13.00	11.50	13.00	11.50	13.00	11.50					
		110	12.00	10.50	15.00	13.50	15.50	14.00	15.50	14.00	15.50	14.00					
		118	12.00	10.50	15.00	13.50	15.50	14.00	15.50	14.00	15.50	14.00					
		126	12.00	10.50	15.00	13.50	15.00	13.50	15.00	13.50	15.00	13.50					
		134	12.00	10.50	15.00	13.50	15.00	13.50	15.00	13.50	15.00	13.50					
		142	12.00	10.50	15.00	13.50	15.00	13.50	15.00	13.50	15.00	13.50					
		151	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75					
		159	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75					
		80 MHz Bandwidth	42	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50			10.00	11.50	10.00
			58	12.00	10.50	13.50	12.00	13.50	12.00	13.50	12.00	13.50			12.00	13.50	12.00
			106	12.00	10.50	12.50	11.00	12.50	11.00	12.50	11.00	12.50			11.00	12.50	11.00
			122	12.00	10.50	15.00	13.50	15.00	13.50	15.00	13.50	15.00			13.50	15.00	13.50
			138	12.00	10.50	15.00	13.50	15.00	13.50	15.00	13.50	15.00			13.50	15.00	13.50
	155		16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75			

FCC ID: BCGA2379	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	Reviewed by: Quality Manager
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Mode/ Band		Tones	26T		52T		106T		242T		484T		996T	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) CDD - Ant 5b	20 MHz Bandwidth	36	9.00	7.50	12.00	10.50	14.50	13.00	14.50	13.00				
		40	9.00	7.50	12.00	10.50	15.00	13.50	16.25	14.75				
		44	9.00	7.50	12.00	10.50	15.00	13.50	16.25	14.75				
		48	9.00	7.50	12.00	10.50	15.00	13.50	16.25	14.75				
		52	9.00	7.50	12.00	10.50	15.00	13.50	16.25	14.75				
		56	9.00	7.50	12.00	10.50	15.00	13.50	16.25	14.75				
		60	9.00	7.50	12.00	10.50	15.00	13.50	16.25	14.75				
		64	9.00	7.50	12.00	10.50	15.00	13.50	15.50	14.00				
		100	9.00	7.50	12.00	10.50	14.00	12.50	14.00	12.50				
		104	9.00	7.50	12.00	10.50	15.00	13.50	15.50	14.00				
		108	9.00	7.50	12.00	10.50	15.00	13.50	15.50	14.00				
		112	9.00	7.50	12.00	10.50	15.00	13.50	15.50	14.00				
		116	9.00	7.50	12.00	10.50	15.00	13.50	15.50	14.00				
		120	9.00	7.50	12.00	10.50	15.00	13.50	15.00	13.50				
		124	9.00	7.50	12.00	10.50	15.00	13.50	15.00	13.50				
		128	9.00	7.50	12.00	10.50	15.00	13.50	15.00	13.50				
		132	9.00	7.50	12.00	10.50	15.00	13.50	15.00	13.50				
		136	9.00	7.50	12.00	10.50	15.00	13.50	15.00	13.50				
		140	9.00	7.50	12.00	10.50	13.00	11.50	13.00	11.50				
		144	9.00	7.50	12.00	10.50	15.00	13.50	15.00	13.50				
		149	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75				
		153	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75				
		157	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75				
		161	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75				
		165	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75				
	40 MHz Bandwidth	38	9.00	7.50	12.00	10.50	12.50	11.00	12.50	11.00	12.50	11.00		
		46	9.00	7.50	12.00	10.50	15.00	13.50	17.00	15.50	17.25	15.75		
		54	9.00	7.50	12.00	10.50	15.00	13.50	17.00	15.50	17.25	15.75		
		62	9.00	7.50	12.00	10.50	13.00	11.50	13.00	11.50	13.00	11.50		
		102	9.00	7.50	12.00	10.50	12.00	10.50	12.00	10.50	12.00	10.50		
		110	9.00	7.50	12.00	10.50	15.00	13.50	15.50	14.00	15.50	14.00		
		118	9.00	7.50	12.00	10.50	15.00	13.50	15.50	14.00	15.50	14.00		
		126	9.00	7.50	12.00	10.50	15.00	13.50	15.00	13.50	15.00	13.50		
		134	9.00	7.50	12.00	10.50	14.50	13.00	14.50	13.00	14.50	13.00		
		142	9.00	7.50	12.00	10.50	15.00	13.50	13.00	11.50	15.00	13.50		
		151	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75		
		159	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75		
		42	9.00	7.50	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
		58	9.00	7.50	12.00	10.50	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00
		106	9.00	7.50	12.00	10.50	12.00	10.50	12.00	10.50	12.00	10.50	12.00	10.50
		122	9.00	7.50	12.00	10.50	15.00	13.50	15.00	13.50	15.00	13.50	15.00	13.50
		138	9.00	7.50	12.00	10.50	15.00	13.50	13.00	11.50	14.50	13.00	15.00	13.50
	80 MHz Bandwidth	155	16.00	14.50	16.00	14.50	16.00	14.50	16.00	14.50	16.00	14.50	16.00	14.50

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2379	 PCTEST Proven to be part of element	SAR EVALUATION REPORT	Reviewed by: Quality Manager
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Mode/ Band		Tones	26T		52T		106T		242T		484T		996T	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) SDM - Ant 5b	20 MHz Bandwidth	36	9.00	7.50	12.00	10.50	14.50	13.00	14.50	13.00				
		40	9.00	7.50	12.00	10.50	15.00	13.50	16.25	14.75				
		44	9.00	7.50	12.00	10.50	15.00	13.50	16.25	14.75				
		48	9.00	7.50	12.00	10.50	15.00	13.50	16.25	14.75				
		52	9.00	7.50	12.00	10.50	15.00	13.50	16.25	14.75				
		56	9.00	7.50	12.00	10.50	15.00	13.50	16.25	14.75				
		60	9.00	7.50	12.00	10.50	15.00	13.50	16.25	14.75				
		64	9.00	7.50	12.00	10.50	15.00	13.50	15.50	14.00				
		100	9.00	7.50	12.00	10.50	14.00	12.50	14.00	12.50				
		104	9.00	7.50	12.00	10.50	15.00	13.50	15.50	14.00				
		108	9.00	7.50	12.00	10.50	15.00	13.50	15.50	14.00				
		112	9.00	7.50	12.00	10.50	15.00	13.50	15.50	14.00				
		116	9.00	7.50	12.00	10.50	15.00	13.50	15.50	14.00				
		120	9.00	7.50	12.00	10.50	15.00	13.50	15.00	13.50				
		124	9.00	7.50	12.00	10.50	15.00	13.50	15.00	13.50				
		128	9.00	7.50	12.00	10.50	15.00	13.50	15.00	13.50				
		132	9.00	7.50	12.00	10.50	15.00	13.50	15.00	13.50				
		136	9.00	7.50	12.00	10.50	15.00	13.50	15.00	13.50				
		140	9.00	7.50	12.00	10.50	13.00	11.50	13.00	11.50				
		144	9.00	7.50	12.00	10.50	15.00	13.50	15.00	13.50				
		149	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75				
		153	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75				
		157	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75				
		161	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75				
		165	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75				
	40 MHz Bandwidth	38	9.00	7.50	12.00	10.50	12.50	11.00	12.50	11.00	12.50	11.00	10.50	9.00
		46	9.00	7.50	12.00	10.50	15.00	13.50	17.00	15.50	17.25	15.75	15.00	13.50
		54	9.00	7.50	12.00	10.50	15.00	13.50	17.00	15.50	17.25	15.75	15.00	13.50
		62	9.00	7.50	12.00	10.50	13.00	11.50	13.00	11.50	13.00	11.50	12.00	10.50
		102	9.00	7.50	12.00	10.50	12.00	10.50	12.00	10.50	12.00	10.50	12.00	10.50
		110	9.00	7.50	12.00	10.50	15.00	13.50	15.50	14.00	15.50	14.00	15.00	13.50
		118	9.00	7.50	12.00	10.50	15.00	13.50	15.50	14.00	15.50	14.00	15.00	13.50
		126	9.00	7.50	12.00	10.50	15.00	13.50	15.00	13.50	15.00	13.50	15.00	13.50
		134	9.00	7.50	12.00	10.50	14.50	13.00	14.50	13.00	14.50	13.00	15.00	13.50
		142	9.00	7.50	12.00	10.50	15.00	13.50	13.00	11.50	15.00	13.50	15.00	13.50
		151	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75
		159	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75	16.25	14.75
	80 MHz Bandwidth	42	9.00	7.50	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
		58	9.00	7.50	12.00	10.50	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00
		106	9.00	7.50	12.00	10.50	12.00	10.50	12.00	10.50	12.00	10.50	12.00	10.50
		122	9.00	7.50	12.00	10.50	15.00	13.50	15.00	13.50	15.00	13.50	15.00	13.50
		138	9.00	7.50	12.00	10.50	15.00	13.50	13.00	11.50	14.50	13.00	15.00	13.50
		155	16.00	14.50	16.00	14.50	16.00	14.50	16.00	14.50	16.00	14.50	16.00	14.50

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2379	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	Reviewed by: Quality Manager
Test Dates: 12/28/2020 – 03/03/2021	DUT Type: Tablet Device		APPENDIX I: Page 6 of 23

Mode/ Band		Tones	26T		52T		106T		242T		484T		996T	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - Single Tx Chain (dBm) - Ant 4b	20 MHz Bandwidth	36	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75				
		40	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75				
		44	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75				
		48	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75				
		52	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75				
		56	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75				
		60	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75				
		64	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75				
		100	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75				
		104	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75				
		108	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75				
		112	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75				
		116	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75				
		120	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50				
		124	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50				
		128	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50				
		132	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50				
		136	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50				
		140	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50				
		144	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50				
		149	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00				
		153	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00				
		157	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00				
		161	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00				
		165	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00				
	40 MHz Bandwidth	38	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75		
		46	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75		
		54	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75		
		62	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75		
		102	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75		
		110	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75		
		118	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75		
		126	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50		
		134	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50		
		142	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50		
		151	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00		
		159	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00		
	80 MHz Bandwidth	42	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		58	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		106	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		122	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50
		138	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50
		155	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00

FCC ID: BCGA2379	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	Reviewed by: Quality Manager
Test Dates: 12/28/2020 – 03/03/2021	DUT Type: Tablet Device		APPENDIX I: Page 7 of 23

Mode/ Band		Tones	26T		52T		106T		242T		484T		996T			
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal		
Modulated Average - 2 Tx Chain (dBm) CDD - Ant 4b	20 MHz Bandwidth	36	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75						
		40	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75						
		44	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75						
		48	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75						
		52	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75						
		56	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75						
		60	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75						
		64	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75						
		100	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75						
		104	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75						
		108	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75						
		112	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75						
		116	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75						
		120	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50						
		124	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50						
		128	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50						
		132	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50						
		136	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50						
		140	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50						
		144	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50						
		149	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00						
		153	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00						
		157	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00						
		161	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00						
		165	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00						
	40 MHz Bandwidth	38	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75				
		46	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75				
		54	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75				
		62	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75				
		102	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75				
		110	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75				
		118	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75				
		126	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50				
		134	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50				
		142	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50				
	80 MHz Bandwidth	151	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00				
		159	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00				
		42	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75			10.25	8.75
		58	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75			10.25	8.75
		106	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75			10.25	8.75
		122	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50			9.00	7.50
		138	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50			9.00	7.50
		155	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00		

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2379	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	Reviewed by: Quality Manager
Test Dates: 12/28/2020 – 03/03/2021	DUT Type: Tablet Device		APPENDIX I: Page 8 of 23

Mode/ Band		Tones	26T		52T		106T		242T		484T		996T	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) SDM - Ant 4b	20 MHz Bandwidth	36	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75				
		40	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75				
		44	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75				
		48	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75				
		52	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75				
		56	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75				
		60	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75				
		64	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75				
		100	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75				
		104	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75				
		108	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75				
		112	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75				
		116	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75				
		120	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50				
		124	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50				
		128	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50				
		132	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50				
		136	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50				
		140	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50				
		144	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50				
		149	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00				
		153	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00				
		157	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00				
		161	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00				
		165	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00				
	40 MHz Bandwidth	38	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75		
		46	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75		
		54	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75		
		62	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75		
		102	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75		
		110	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75		
		118	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75		
		126	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50		
		134	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50		
		142	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50		
		151	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00		
		159	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00		
	80 MHz Bandwidth	42	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		58	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		106	9.00	7.50	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		122	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50
		138	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50
		155	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2379	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	Reviewed by: Quality Manager
Test Dates: 12/28/2020 – 03/03/2021	DUT Type: Tablet Device		APPENDIX I: Page 9 of 23

Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 4a/4b active
- Simultaneous conditions with mmW/Inter-band ULCA active

		Tones	26T		52T		106T		242T	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - Single Tx Chain (dBm) - Antenna 4a	20 MHz Bandwidth	1	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		2	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		3	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		4	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		5	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		6	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		7	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		8	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		9	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		10	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		11	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		12	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 4a/4b active
- Simultaneous conditions with mmW/Inter-band ULCA active

Mode/ Band		Tones	26T		52T		106T		242T	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average nonTXBF- 2 Tx Chain (dBm) - Antenna 4a	20 MHz Bandwidth	1	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		2	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		3	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		4	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		5	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		6	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		7	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		8	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		9	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		10	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		11	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		12	8.75	7.25	8.75	7.25	8.75	7.25	8.75	7.25
		13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2379	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	Reviewed by: Quality Manager
Test Dates: 12/28/2020 – 03/03/2021	DUT Type: Tablet Device		APPENDIX I: Page 10 of 23

Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 2a/2b active
- Simultaneous conditions with mmW/Inter-band ULCA active

Mode/ Band		Tones	26T		52T		106T		242T	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - Single Tx Chain (dBm) - Antenna 2a	20 MHz Bandwidth	1	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		2	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		3	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		4	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		5	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		6	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		7	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		8	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		9	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		10	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		11	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		12	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 2a/2b active
- Simultaneous conditions with mmW/Inter-band ULCA active

Mode/ Band		Tones	26T		52T		106T		242T	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average nonTXBF - 2 Tx Chain (dBm) - Antenna 2a	20 MHz Bandwidth	1	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		2	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		3	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		4	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		5	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		6	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		7	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		8	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		9	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		10	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		11	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		12	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2379	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	Reviewed by: Quality Manager
Test Dates: 12/28/2020 – 03/03/2021	DUT Type: Tablet Device		APPENDIX I: Page 11 of 23

Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 2a/2b active
- Simultaneous conditions with mmW/Inter-band ULCA active

Mode/ Band		Tones	26T		52T		106T		242T		484T		996T	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - Single Tx Chain (dBm) - Ant 5b	20 MHz Bandwidth	36	12.00	10.50	13.25	11.75	13.25	11.75	13.25	11.75				
		40	12.00	10.50	13.25	11.75	13.25	11.75	13.25	11.75				
		44	12.00	10.50	13.25	11.75	13.25	11.75	13.25	11.75				
		48	12.00	10.50	13.25	11.75	13.25	11.75	13.25	11.75				
		52	12.00	10.50	13.25	11.75	13.25	11.75	13.25	11.75				
		56	12.00	10.50	13.25	11.75	13.25	11.75	13.25	11.75				
		60	12.00	10.50	13.25	11.75	13.25	11.75	13.25	11.75				
		64	12.00	10.50	13.25	11.75	13.25	11.75	13.25	11.75				
		100	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00				
		104	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00				
		108	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00				
		112	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00				
		116	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00				
		120	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00				
		124	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00				
		128	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00				
		132	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00				
		136	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00				
		140	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00				
		144	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00				
		149	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75				
		153	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75				
		157	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75				
		161	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75				
		165	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75				
	40 MHz Bandwidth	38	12.00	10.50	13.00	11.50	13.00	11.50	13.00	11.50	13.00	11.50		
		46	12.00	10.50	13.25	11.75	13.25	11.75	13.25	11.75	13.25	11.75		
		54	12.00	10.50	13.25	11.75	13.25	11.75	13.25	11.75	13.25	11.75		
		62	12.00	10.50	13.25	11.75	13.25	11.75	13.25	11.75	13.25	11.75		
		102	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00		
		110	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00		
		118	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00		
		126	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00		
		134	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00		
		142	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00		
		151	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75		
		159	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75		
	80 MHz Bandwidth	42	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		58	12.00	10.50	13.25	11.75	13.25	11.75	13.25	11.75	13.25	11.75	13.25	11.75
		106	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		122	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		138	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		155	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75

FCC ID: BCGA2379	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	Reviewed by: Quality Manager
Test Dates: 12/28/2020 – 03/03/2021	DUT Type: Tablet Device		APPENDIX I: Page 12 of 23

Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 2a/2b active
- Simultaneous conditions with mmW/Inter-band ULCA active

Mode/ Band		Tones	26T		52T		106T		242T		484T		996T	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) CDD - Ant 5b	20 MHz Bandwidth	36	9.00	7.50	12.00	10.50	13.25	11.75	13.25	11.75				
		40	9.00	7.50	12.00	10.50	13.25	11.75	13.25	11.75				
		44	9.00	7.50	12.00	10.50	13.25	11.75	13.25	11.75				
		48	9.00	7.50	12.00	10.50	13.25	11.75	13.25	11.75				
		52	9.00	7.50	12.00	10.50	13.25	11.75	13.25	11.75				
		56	9.00	7.50	12.00	10.50	13.25	11.75	13.25	11.75				
		60	9.00	7.50	12.00	10.50	13.25	11.75	13.25	11.75				
		64	9.00	7.50	12.00	10.50	13.25	11.75	13.25	11.75				
		100	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
		104	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
		108	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
		112	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
		116	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
		120	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
		124	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
		128	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
		132	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
		136	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
		140	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
		144	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
	40 MHz Bandwidth	149	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75				
		153	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75				
		157	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75				
		161	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75				
		165	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75				
		38	9.00	7.50	12.00	10.50	12.50	11.00	12.50	11.00	12.50	11.00		
		46	9.00	7.50	12.00	10.50	13.25	11.75	13.25	11.75	13.25	11.75		
		54	9.00	7.50	12.00	10.50	13.25	11.75	13.25	11.75	13.25	11.75		
		62	9.00	7.50	12.00	10.50	13.00	11.50	13.00	11.50	13.00	11.50		
		102	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00		
		110	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00		
		118	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00		
		126	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00		
		134	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00		
	80 MHz Bandwidth	142	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00		
		151	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75		
		159	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75		
		42	9.00	7.50	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
		58	9.00	7.50	12.00	10.50	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00
		106	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		122	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		138	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		155	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2379	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	Reviewed by: Quality Manager
Test Dates: 12/28/2020 – 03/03/2021	DUT Type: Tablet Device		APPENDIX I: Page 13 of 23

Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 2a/2b active
- Simultaneous conditions with mmW/Inter-band ULCA active

Mode/ Band		Tones	26T		52T		106T		242T		484T		996T	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) SDM - Ant 5b	20 MHz Bandwidth	36	9.00	7.50	12.00	10.50	13.25	11.75	13.25	11.75				
		40	9.00	7.50	12.00	10.50	13.25	11.75	13.25	11.75				
		44	9.00	7.50	12.00	10.50	13.25	11.75	13.25	11.75				
		48	9.00	7.50	12.00	10.50	13.25	11.75	13.25	11.75				
		52	9.00	7.50	12.00	10.50	13.25	11.75	13.25	11.75				
		56	9.00	7.50	12.00	10.50	13.25	11.75	13.25	11.75				
		60	9.00	7.50	12.00	10.50	13.25	11.75	13.25	11.75				
		64	9.00	7.50	12.00	10.50	13.25	11.75	13.25	11.75				
		100	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
		104	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
		108	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
		112	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
		116	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
		120	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
		124	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
		128	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
		132	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
		136	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
		140	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
		144	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00				
	40 MHz Bandwidth	149	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75				
		153	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75				
		157	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75				
		161	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75				
		165	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75				
		38	9.00	7.50	12.00	10.50	12.50	11.00	12.50	11.00	12.50	11.00		
		46	9.00	7.50	12.00	10.50	13.25	11.75	13.25	11.75	13.25	11.75		
		54	9.00	7.50	12.00	10.50	13.25	11.75	13.25	11.75	13.25	11.75		
		62	9.00	7.50	12.00	10.50	13.00	11.50	13.00	11.50	13.00	11.50		
		102	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00		
		110	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00		
		118	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00		
		126	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00		
		134	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00		
		142	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00		
		151	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75		
		159	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75		
	80 MHz Bandwidth	42	9.00	7.50	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
		58	9.00	7.50	12.00	10.50	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00
		106	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		122	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		138	9.00	7.50	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		155	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2379	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	Reviewed by: Quality Manager
Test Dates: 12/28/2020 – 03/03/2021	DUT Type: Tablet Device		APPENDIX I: Page 14 of 23

Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 4a/4b active
- Simultaneous conditions with mmW/Inter-band ULCA active

Mode/ Band		Tones	26T		52T		106T		242T		484T		996T	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - Single Tx Chain (dBm) - Ant 4b	20 MHz Bandwidth	36	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75				
		40	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75				
		44	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75				
		48	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75				
		52	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		56	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		60	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		64	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		100	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		104	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		108	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		112	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		116	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		120	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		124	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		128	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		132	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		136	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		140	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		144	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		149	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00				
		153	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00				
		157	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00				
		161	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00				
		165	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00				
	40 MHz Bandwidth	38	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75		
		46	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75		
		54	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		62	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		102	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		110	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		118	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		126	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		134	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		142	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		151	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00		
		159	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00		
	80 MHz Bandwidth	42	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75
		58	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
		106	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
		122	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
		138	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
		155	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00

FCC ID: BCGA2379	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	Reviewed by: Quality Manager
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Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 4a/4b active
- Simultaneous conditions with mmW/Inter-band ULCA active

Mode/ Band		Tones	26T		52T		106T		242T		484T		996T	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) CDD - Ant 4b	20 MHz Bandwidth	36	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75				
		40	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75				
		44	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75				
		48	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75				
		52	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		56	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		60	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		64	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		100	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		104	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		108	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		112	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		116	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		120	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		124	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		128	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		132	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		136	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		140	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		144	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
	149	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00					
	153	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00					
	157	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00					
	161	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00					
	165	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00					
	40 MHz Bandwidth	38	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75		
		46	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75		
		54	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		62	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		102	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		110	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		118	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		126	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		134	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		142	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		151	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00		
		159	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00		
		80 MHz Bandwidth	42	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75	4.25
	58		5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	106		5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	122		5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	138		5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	155	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2379	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	Reviewed by: Quality Manager
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Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 4a/4b active
- Simultaneous conditions with mmW/Inter-band ULCA active

Mode/ Band		Tones	26T		52T		106T		242T		484T		996T	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) SDM - Ant 4b	20 MHz Bandwidth	36	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75				
		40	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75				
		44	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75				
		48	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75				
		52	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		56	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		60	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		64	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		100	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		104	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		108	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		112	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		116	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		120	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		124	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		128	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		132	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		136	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		140	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
		144	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50				
	40 MHz Bandwidth	149	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00				
		153	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00				
		157	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00				
		161	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00				
		165	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00				
		38	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75		
		46	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75		
		54	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		62	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		102	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		110	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		118	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		126	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		134	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
		142	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50		
	80 MHz Bandwidth	151	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00		
		159	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00		
		42	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75
		58	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
		106	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
		122	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
		138	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
		155	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00	6.50	5.00

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2379	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	Reviewed by: Quality Manager
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1.1 IEEE 802.11ax Measured Powers

Table 1
Maximum 2.4 GHz 802.11ax RU Time-Averaged WLAN Output Power – Ant 2a

Freq [MHz]	Channel	Tones	RU Index	Avg Conducted Powers (dBm)	Freq [MHz]	Channel	Tones	RU Index	Avg Conducted Powers (dBm)
2412	1	26T	0	11.93	2412	1	52T	37	11.95
			4	12.13				38	12.05
			8	12.30				40	12.07
2437	6	26T	0	11.78	2437	6	52T	37	11.91
			4	12.54				38	12.16
			8	12.17				40	12.39
2462	11	26T	0	12.21	2462	11	52T	37	11.92
			4	11.84				38	11.75
			8	11.90				40	12.03
Freq [MHz]	Channel	Tones	RU Index	Avg Conducted Powers (dBm)	Freq [MHz]	Channel	Tones	RU Index	Avg Conducted Powers (dBm)
2412	1	106T	53	11.83	2412	1	242T	61	12.22
			54	11.70	2437	6	242T	61	11.97
2437	6	106T	53	11.91	2462	11	242T	61	12.24
			54	12.50					
2462	11	106T	53	12.02					
			54	11.82					

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Table 2
Maximum 2.4 GHz 802.11ax RU Time-Averaged WLAN Output Power – Ant 4a

Freq [MHz]	Channel	Tones	RU Index	Avg Conducted Powers (dBm)	Freq [MHz]	Channel	Tones	RU Index	Avg Conducted Powers (dBm)
2412	1	26T	0	10.70	2412	1	52T	37	10.77
			4	10.55				38	10.87
			8	11.71				40	11.73
2437	6	26T	0	11.25	2437	6	52T	37	11.15
			4	10.99				38	10.94
			8	10.74				40	10.90
2462	11	26T	0	10.82	2462	11	52T	37	11.10
			4	11.27				38	11.30
			8	11.10				40	10.98
Freq [MHz]	Channel	Tones	RU Index	Avg Conducted Powers (dBm)	Freq [MHz]	Channel	Tones	RU Index	Avg Conducted Powers (dBm)
2412	1	106T	53	11.00	2412	1	242T	61	10.81
			54	11.41	2437	6	242T	61	10.90
2437	6	106T	53	10.95	2462	11	242T	61	11.02
			54	10.97					
2462	11	106T	53	11.33					
			54	10.92					

FCC ID: BCGA2379	 PCTEST Proven to be part of the element	SAR EVALUATION REPORT	Reviewed by: Quality Manager
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Table 3
Maximum 5 GHz 802.11ax RU Time-Averaged WLAN Output Power – Ant 5b

20MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			20MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					0	4	8						37	39	40
20MHz BW	1	5180	36	26T	11.02	11.81	11.12	20MHz BW	1	5180	36	52T	14.06	14.36	14.11
		5200	40	26T	11.08	11.61	11.06			5200	40	52T	14.13	14.49	14.14
		5220	44	26T	10.95	11.54	10.94			5220	44	52T	14.12	14.39	14.08
		5240	48	26T	11.06	11.53	11.01			5240	48	52T	14.03	14.44	14.07
	2A	5260	52	26T	10.92	11.39	11.01		2A	5260	52	52T	13.93	14.29	13.99
		5280	56	26T	11.12	11.59	11.05			5280	56	52T	13.99	14.40	14.12
		5300	60	26T	11.07	11.71	11.24			5300	60	52T	14.01	14.57	14.24
		5320	64	26T	11.08	11.64	11.16			5320	64	52T	14.04	14.51	14.31
	2C	5500	100	26T	11.09	11.67	11.21		2C	5500	100	52T	14.09	14.51	14.27
		5600	120	26T	10.98	11.58	11.03			5600	120	52T	14.00	14.35	14.06
		5620	124	26T	11.19	11.76	11.27			5580	124	52T	14.26	14.57	14.27
		5720	144	26T	11.18	11.91	11.61			5720	144	52T	14.11	14.72	14.52
3	5745	149	26T	14.99	15.58	15.11	3	5745	149	52T	15.08	15.57	15.24		
	5785	157	26T	15.17	15.55	14.92		5785	157	52T	15.61	15.77	15.40		
	5825	165	26T	15.11	15.57	15.17		5825	165	52T	15.41	15.71	15.31		
20MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			20MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					53	54	N/A						61	N/A	N/A
20MHz BW	1	5180	36	106T	14.00	14.10		20MHz BW	1	5180	36	242T	14.03		
		5200	40	106T	15.28	15.31				5200	40	242T	15.31		
		5220	44	106T	15.23	15.20				5220	44	242T	15.26		
		5240	48	106T	15.27	15.30				5240	48	242T	15.27		
	2A	5260	52	106T	15.16	15.23			2A	5260	52	242T	15.18		
		5280	56	106T	15.46	15.46				5280	56	242T	15.27		
		5300	60	106T	15.18	15.30				5300	60	242T	15.23		
		5320	64	106T	15.13	15.24				5320	64	242T	15.24		
	2C	5520	104	106T	14.01	14.14			2C	5520	104	242T	14.59		
		5600	120	106T	13.94	13.92				5600	120	242T	14.32		
		5620	124	106T	14.11	14.12				5620	124	242T	14.31		
		5720	144	106T	14.02	14.23				5720	144	242T	14.35		
3	5745	149	106T	15.13	15.09		3	5745	149	242T	15.09				
	5785	157	106T	15.45	15.16			5785	157	242T	15.02				
	5825	165	106T	15.40	15.35			5825	165	242T	14.99				
40MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			40MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					0	8	17						37	40	44
40MHz BW	1	5190	38	26T	10.92	11.76	11.36	40MHz BW	1	5190	38	52T	11.94	12.74	12.38
		5230	46	26T	11.09	11.91	11.32			5230	46	52T	13.98	14.63	14.14
		5270	54	26T	11.02	11.85	11.30			5270	54	52T	13.97	14.73	14.18
		5310	62	26T	10.95	11.78	10.99			5310	62	52T	12.44	13.11	12.71
	2A	5510	102	26T	11.05	11.55	11.30		2A	5550	110	52T	14.17	14.23	14.27
		5590	118	26T	11.06	11.85	11.09			5590	118	52T	14.58	15.17	14.70
		5630	126	26T	11.10	12.80	11.61			5630	126	52T	14.14	14.95	14.57
		5710	142	26T	11.08	11.56	11.43			5710	142	52T	13.95	14.63	14.43
	2C	5755	151	26T	15.07	15.11	15.18		2C	5755	151	52T	15.01	15.26	15.06
		5795	159	26T	15.38	15.28	15.12			5795	159	52T	15.59	15.19	15.35
40MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			40MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					53	54	56						61	62	N/A
40MHz BW	1	5190	38	106T	12.06	12.65	12.27	40MHz BW	1	5190	38	242T	12.94	12.85	
		5230	46	106T	16.25	16.81	16.56			5230	46	242T	16.25	16.57	
		5270	54	106T	16.28	16.91	16.43			5270	54	242T	16.41	16.53	
		5310	62	106T	12.40	13.12	12.78			5310	62	242T	12.58	12.62	
	2A	5550	110	106T	14.41	14.45	14.40		2A	5550	110	242T	14.71	14.81	
		5590	118	106T	14.63	15.10	14.72			5590	118	242T	14.43	14.60	
		5670	126	106T	14.11	14.58	14.53			5670	126	242T	14.67	14.67	
		5710	142	106T	14.12	14.94	14.52			5670	134	242T	14.23	14.13	
	3	5755	151	106T	15.02	15.25	15.01		3	5755	151	242T	15.07	15.06	
		5795	159	106T	15.26	15.28	15.29			5795	159	242T	15.08	15.16	

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40MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index		
					65	N/A	N/A
1	2A	5190	38	484T	12.01		
		5230	46	484T	16.31		
		5270	54	484T	16.18		
2C	2C	5310	62	484T	12.46		
		5550	110	484T	14.55		
		5590	118	484T	14.40		
3	3	5630	126	484T	13.94		
		5710	142	484T	14.02		
		5755	151	484T	15.55		
		5795	159	484T	15.01		

80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					0	18	36						37	44	52
	1	5210	42	26T	10.42	11.08	10.92		10.42	11.24	10.98				
2A	5290	58	26T	26T	11.15	11.82	11.21	12.62	12.97	12.64					
					5530	106	26T	11.03	11.66	11.05	11.48	11.93	11.61		
					5610	122	26T	10.95	11.85	11.31	14.12	14.65	14.41		
					5690	138	26T	11.12	11.91	11.71	14.16	14.95	14.71		
					5775	155	26T	15.05	15.12	15.06	15.08	15.08	15.07		
80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					53	56	60						61	62	64
	1	5210	42	106T	10.52	11.01	10.78		10.50	11.10	10.89				
2A	5290	58	106T	106T	12.44	12.85	12.48	12.65	12.96	12.60					
					5530	106	106T	11.45	11.91	11.63	11.66	12.12	11.81		
					5610	122	106T	14.08	14.40	14.49	14.16	14.67	14.48		
					5690	138	106T	14.09	14.72	14.59	12.77	12.91	13.01		
					5775	155	106T	15.08	15.17	15.09	15.08	15.17	15.09		
80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					65	66	N/A						67	N/A	N/A
	1	5210	42	484T	10.52	10.87			10.57						
2A	5290	58	484T	484T	12.41	12.61		12.62							
					5530	106	484T	11.49	11.62		11.63				
					5610	122	484T	14.08	14.21		14.19				
					5690	138	484T	14.01	14.29		13.99				
					5775	155	484T	15.11	15.09		15.05				

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Table 4
Maximum 5 GHz 802.11ax RU Time-Averaged WLAN Output Power – Ant 4b

20MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			20MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					0	4	8						37	39	40
	1	5180	36	26T	9.35	9.77	9.37		1	5180	36	52T	9.22	9.50	9.11
		5200	40	26T	9.20	9.61	9.03			5200	40	52T	9.28	9.52	9.13
		5220	44	26T	9.23	9.67	9.09			5220	44	52T	9.19	9.32	9.09
		5240	48	26T	9.26	9.77	9.16			5240	48	52T	9.27	9.57	9.29
	2A	5260	52	26T	9.27	9.66	9.23		2A	5260	52	52T	9.39	9.76	9.36
		5280	56	26T	9.18	9.69	9.24			5280	56	52T	9.27	9.69	9.45
		5300	60	26T	9.25	9.88	9.45			5300	60	52T	9.44	9.93	9.61
5320		64	26T	9.32	9.84	9.61	5320	64		52T	9.34	9.83	9.52		
2C	5500	100	26T	9.38	9.83	9.31	2C	5500	100	52T	9.20	9.42	9.04		
	5600	120	26T	8.12	8.68	8.24		5600	120	52T	8.09	8.46	8.21		
	5620	124	26T	8.21	8.77	8.39		5580	124	52T	8.20	8.66	8.39		
	5720	144	26T	8.24	8.82	8.54		5720	144	52T	8.03	8.69	8.26		
3	5745	149	26T	11.05	11.18	11.14	3	5745	149	52T	11.33	11.51	11.21		
	5785	157	26T	11.02	11.21	11.07		5785	157	52T	11.41	11.18	11.39		
	5825	165	26T	11.25	11.26	11.28		5825	165	52T	11.21	11.24	11.38		

20MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			20MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					53	54	N/A						61	N/A	N/A
	1	5180	36	106T	9.32	9.19			1	5180	36	242T	9.40		
		5200	40	106T	9.52	9.39				5200	40	242T	9.47		
		5220	44	106T	9.34	9.31				5200	44	242T	9.55		
		5240	48	106T	9.22	9.20				5240	48	242T	9.52		
	2A	5260	52	106T	9.20	9.25			2A	5260	52	242T	9.16		
		5280	56	106T	9.28	9.27				5260	56	242T	9.27		
		5300	60	106T	9.28	9.48				5300	60	242T	9.41		
5320		64	106T	9.29	9.39		5320	64		242T	9.35				
2C	5500	100	106T	9.40	9.28		2C	5500	100	242T	9.29				
	5600	120	106T	8.12	8.11			5600	120	242T	8.11				
	5620	124	106T	8.26	8.30			5620	124	242T	8.16				
	5720	144	106T	8.07	8.17			5720	144	242T	8.03				
3	5745	149	106T	11.05	11.13		3	5745	149	242T	11.92				
	5785	157	106T	11.57	11.45			5785	157	242T	11.56				
	5825	165	106T	11.42	11.29			5825	165	242T	11.43				

40MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			40MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					0	8	17						37	40	44
	1	5190	38	26T	9.10	9.71	9.08		1	5190	38	52T	9.17	9.68	9.15
		5230	46	26T	9.15	9.74	9.31			5230	46	52T	9.21	9.78	9.49
		5270	54	26T	9.36	10.12	9.62			5270	54	52T	9.26	9.93	9.56
		5310	62	26T	9.23	10.24	9.63			5310	62	52T	9.16	10.10	9.51
	2A	5510	102	26T	9.21	9.84	9.17		2A	5510	102	52T	9.37	9.92	9.32
		5590	118	26T	9.37	10.17	9.69			5590	118	52T	9.21	9.91	9.35
		5630	126	26T	8.06	8.82	8.35			5630	126	52T	8.09	8.87	8.47
5710		142	26T	8.01	8.81	8.38	5710	142		52T	8.17	8.87	8.83		
2C	5755	151	26T	11.50	11.26	11.31	2C	5755	151	52T	11.25	11.45	11.37		
	5795	159	26T	11.56	11.07	11.47		5795	159	52T	11.21	11.38	11.10		

40MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			40MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					53	54	56						61	62	N/A
	1	5190	38	106T	9.45	9.93	9.59		1	5190	38	242T	9.23	9.39	
		5230	46	106T	9.35	9.93	9.50			5230	46	242T	9.27	9.45	
		5270	54	106T	9.13	9.78	9.46			5270	54	242T	9.24	9.30	
		5310	62	106T	9.21	9.83	9.48			5310	62	242T	9.20	9.41	
	2A	5510	102	106T	9.22	9.69	9.38		2A	5510	102	242T	9.30	9.24	
		5590	118	106T	9.19	9.83	9.41			5590	118	242T	9.23	9.41	
		5670	126	106T	8.15	8.83	8.39			5670	126	242T	8.14	8.51	
5710		142	106T	8.24	8.76	8.45	5710	142		242T	8.01	8.29			
2C	5755	151	106T	11.07	11.53	11.31	2C	5755	151	242T	11.14	11.50			
	5795	159	106T	11.51	11.87	11.52		5795	159	242T	11.40	11.61			

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40MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index		
					65	N/A	N/A
1		5190	38	484T	9.30		
		5230	46	484T	9.34		
2A		5270	54	484T	9.25		
		5310	62	484T	9.22		
2C		5510	102	484T	9.29		
		5550	118	484T	9.17		
		5630	126	484T	8.11		
		5710	142	484T	8.18		
3		5755	151	484T	11.13		
		5795	159	484T	11.47		

80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					0	18	36						37	44	52
	1	5210	42	26T	9.28	10.13	9.49		1	5210	42	52T	9.37	10.00	9.49
80MHz BW <td>2A</td> <td>5290</td> <td>58</td> <td>26T</td> <td>9.31</td> <td>9.91</td> <td>9.43</td> <td>2A</td> <td>5290</td> <td>58</td> <td>52T</td> <td>9.29</td> <td>9.71</td> <td>9.38</td>	2A	5290	58	26T	9.31	9.91	9.43	2A	5290	58	52T	9.29	9.71	9.38	
	2C	5530	106	26T	9.28	10.14	9.45	2C	5530	106	52T	9.18	9.61	9.09	
		5610	122	26T	8.15	8.89	8.63		5610	122	52T	8.07	8.80	8.63	
		5690	138	26T	7.99	8.76	8.55		5690	138	52T	8.02	8.72	8.51	
3	5775	155	26T	11.53	11.19	11.39	3	5775	155	52T	11.35	11.57	11.26		
80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					53	56	60						61	62	64
	1	5210	42	106T	9.14	9.32	9.22		1	5210	42	242T	9.27	10.02	9.48
80MHz BW <td>2A</td> <td>5290</td> <td>58</td> <td>106T</td> <td>9.01</td> <td>9.34</td> <td>9.06</td> <td>2A</td> <td>5290</td> <td>58</td> <td>242T</td> <td>9.20</td> <td>9.81</td> <td>9.15</td>	2A	5290	58	106T	9.01	9.34	9.06	2A	5290	58	242T	9.20	9.81	9.15	
	2C	5530	106	106T	9.09	9.44	9.22	2C	5530	106	242T	9.35	9.31	9.01	
		5610	122	106T	8.31	8.77	8.79		5610	122	242T	8.16	8.82	8.51	
		5690	138	106T	8.12	8.85	8.55		5690	138	242T	8.12	8.52	8.47	
3	5775	155	106T	11.27	11.37	11.38	3	5775	155	242T	11.38	11.36	11.37		
80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					65	66	N/A						67	N/A	N/A
	1	5210	42	484T	9.35	9.71			1	5210	42	996T	9.22		
80MHz BW <td>2A</td> <td>5290</td> <td>58</td> <td>484T</td> <td>9.28</td> <td>9.46</td> <td></td> <td>2A</td> <td>5290</td> <td>58</td> <td>996T</td> <td>9.16</td> <td></td> <td></td>	2A	5290	58	484T	9.28	9.46		2A	5290	58	996T	9.16			
	2C	5530	106	484T	9.43	9.61		2C	5530	106	996T	9.26			
		5610	122	484T	8.10	8.39			5610	122	996T	8.08			
		5690	138	484T	8.19	8.55			5690	138	996T	8.01			
3	5775	155	484T	11.28	11.36		3	5775	155	996T	11.32				

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APPENDIX J: WIFI TIME-AVERAGED SAR VERIFICATION

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1.1 WIFI Time-Averaged SAR Verification Summary

This device supports the manufacturer's time-averaged SAR (TAS) mechanism for WLAN operations. The output power is controlled in real-time so that the power averaged over any 60 second window does not exceed the level tested for SAR in this report. The time-averaged SAR algorithm tracks the energy contribution relative to the available energy budget for each transmitter, defined as the "utilization ratio." Once the utilization ratios for each of the individual WLAN transmitters are calculated, they are summed to derive the overall WLAN system power utilization ratio. This metric is used by the WLAN chipset to manage power levels over time and ensure that SAR limits are never exceeded.

Per FCC Guidance, the following test scenarios were defined to validate the TAS mechanism. The specific scenarios are constructed to validate the operation of the algorithm in all operational states, including transitions between states/antennas:

- Change in channel/band
- Change in antenna (includes connection drop scenario)
- Change in device state, e.g Cell on/off WiFi power change

Predefined transmit profiles for each test scenario are provided by the manufacturer's test automation software to control the operation of the DUT while synchronized operational data was recorded from internal firmware and external power monitors. The data was plotted over time relative to the utilization limit to demonstrate that the maximum time-averaged power is never exceeded. "Reported" values were output and captured directly from DUT firmware, while "Measured" results were obtained from external power metering. The uncertainty budget applied to the WLAN power control functions for this device is 1.5 dB. In all test cases, WLAN radios were configured to operate at 100% duty cycle.

Table 1
WIFI Time-Averaged SAR Verification Summary

Mode	Antenna	Channel	Plim (dBm)	Plim (mW)
802.11b, 22 MHz Bandwidth	4a	7	11.75	15
802.11b, 22 MHz Bandwidth (Reduced)	4a	7	8.75	7
802.11b, 22 MHz Bandwidth	2a	7	12.75	19
802.11a, 20 MHz Bandwidth	5b	149	16.25	42
802.11a, 20 MHz Bandwidth	4b	149	12.5	18

Plim is the maximum time-averaged output power evaluated for SAR compliance

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1.2 Verification Summary

Scenario 1: Change in Antenna

For this test, the effect on the time-averaging algorithm from a change in the active transmit antenna was evaluated. Figures J-1 and J-2 show a switch of 2.4 GHz transmissions from antenna 4a to antenna 2a at Time = 120 s, while Figures J-3 and J-4 show a comparable transition for antenna 5b to antenna 4b 5 GHz transmissions. In both cases the test automation is controlling the WLAN radios to operate at 100% duty cycle. In both cases the utilization ratio never exceeds 100% and the average transmit power never exceeds the Plim of each respective antenna.

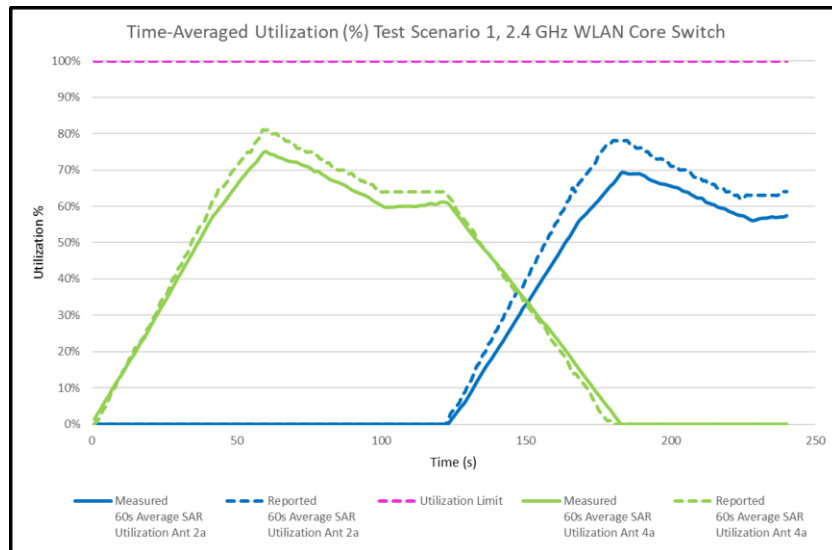


Figure J-1
60s Average SAR Utilization vs. Time, 2.4 GHz

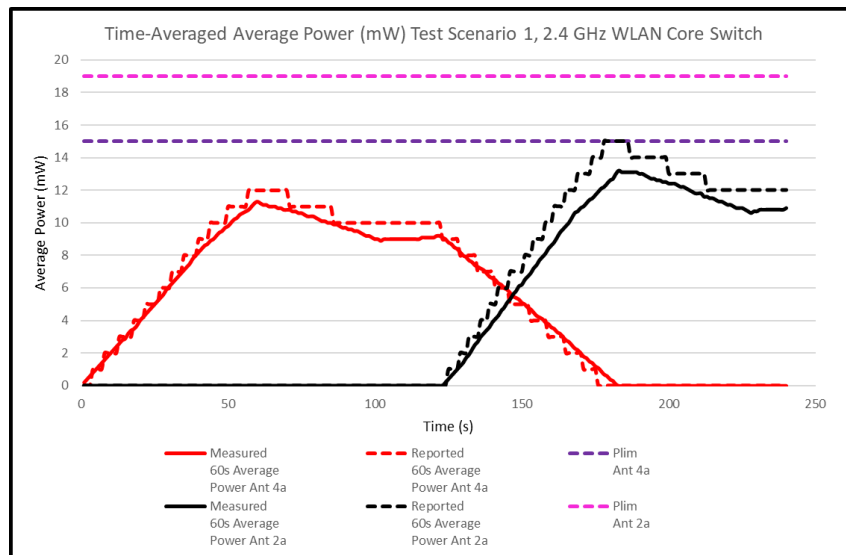


Figure J-2
60s Average Power vs. Time, 2.4 GHz

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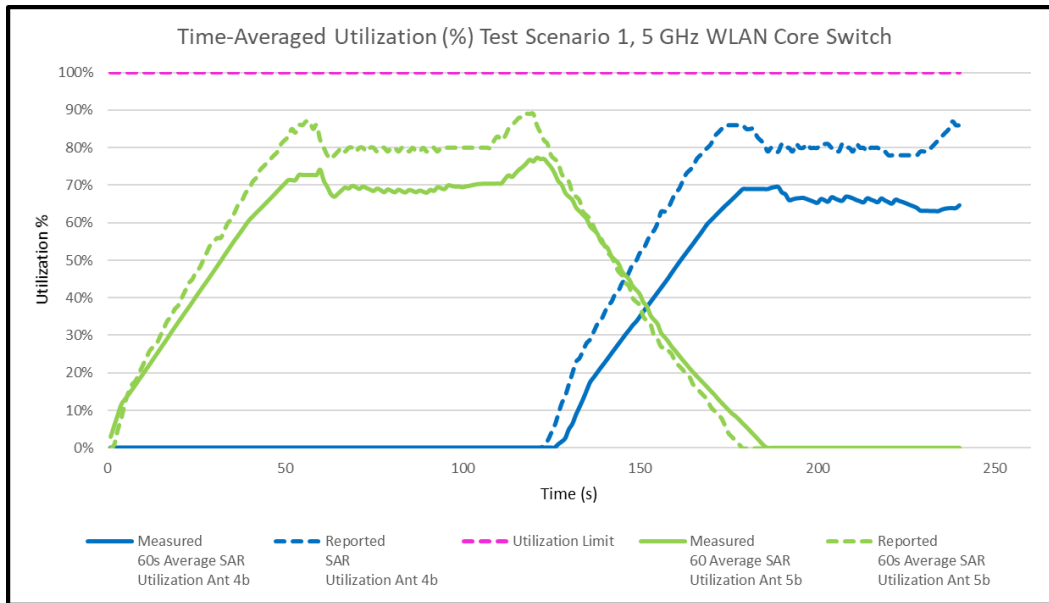


Figure J-3
60s Average SAR Utilization vs. Time, 5 GHz

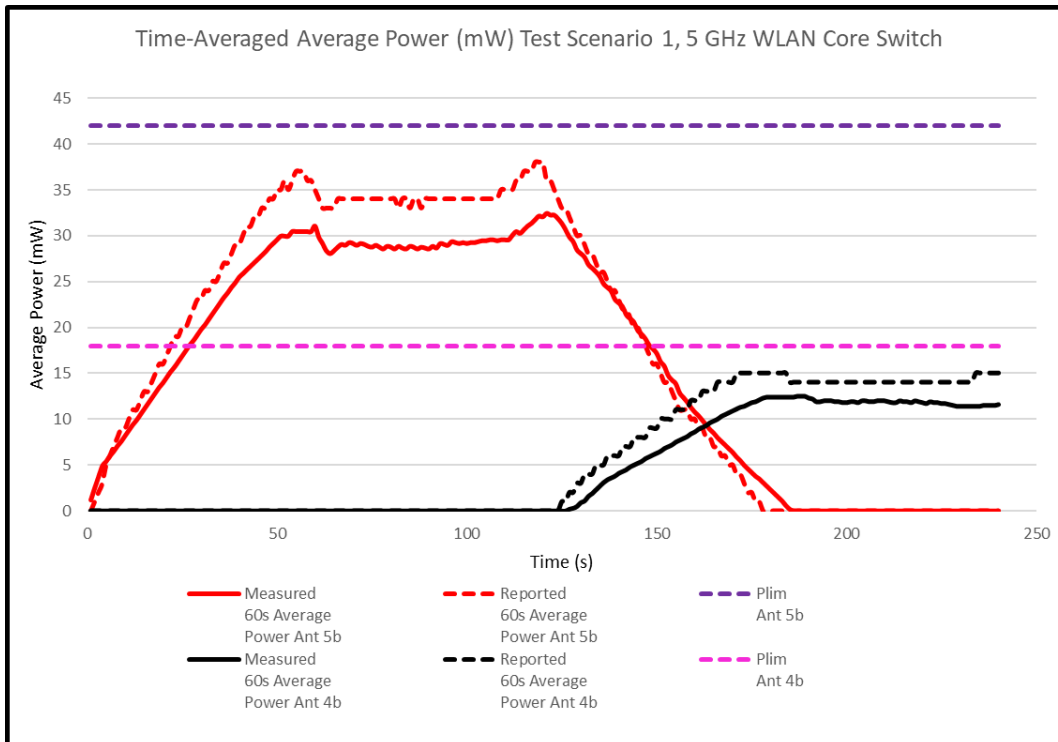


Figure J-4
60s Average Power vs. Time, 5 GHz

FCC ID: BCGA2379	 PCTEST Proud to be part of  element	SAR EVALUATION REPORT	Approved by: Quality Manager
Test Dates: 12/28/2020 – 03/03/2021	DUT Type: Tablet Device		APPENDIX J Page 4 of 6

Scenario 2: Change in Channel/Band Test Case

This test demonstrates the efficacy of the time-averaged SAR algorithm while switching between 2.4 GHz and 5 GHz WLAN bands. In addition, it shows that the algorithm tracks time-averaged power and system utilization when the active transmitter is disabled and then reconnects.

The 2.4 GHz Ant 4a transmitter is active at 100% duty cycle until Time = 120 s. When 2.4 GHz transmissions cease, the 5 GHz Ant 5b transmitter is activated and begins to negotiate a new connection. The connection is established and the increase in average transmit power and utilization can clearly be seen. In this case the utilization ratio never exceeds 100% and the average transmit power never exceeds the Plim of each respective antenna.

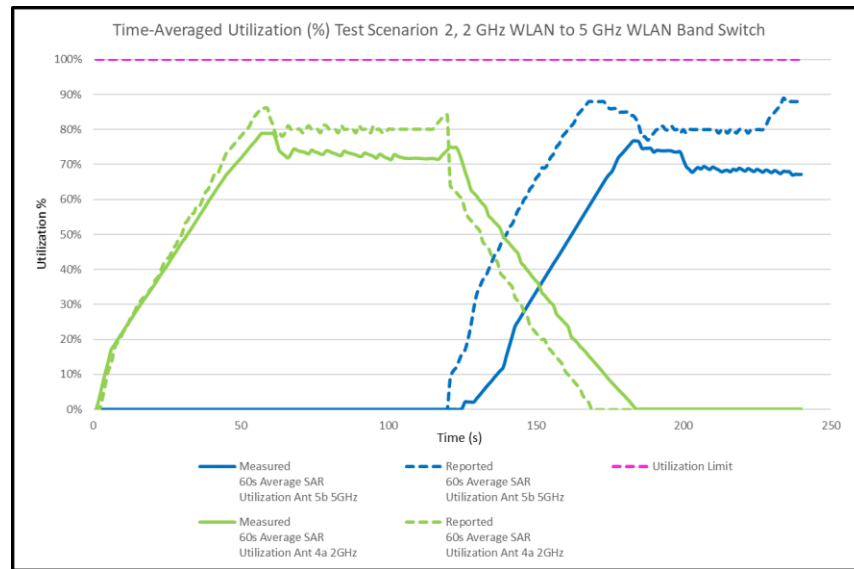


Figure J-5
60s Average Utilization vs. Time during Band Switch

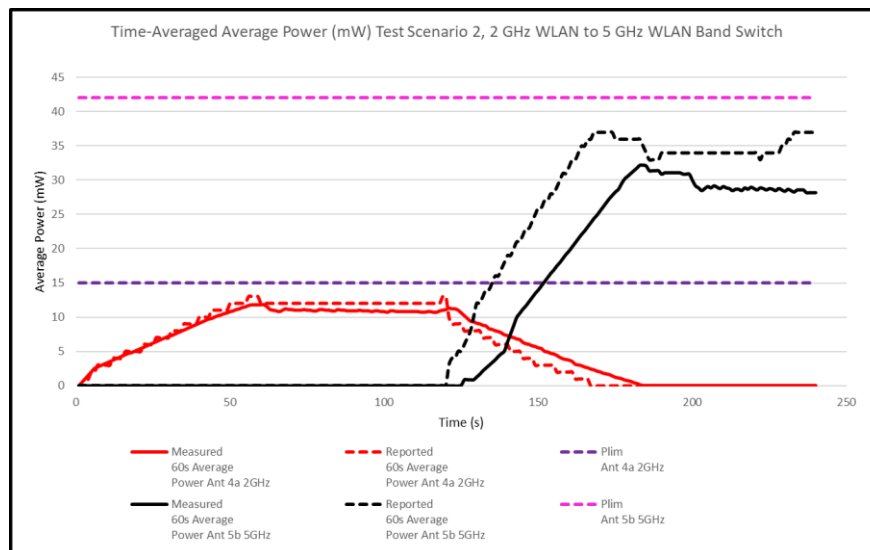


Figure J-6
60s Average Power vs. Time during Band Switch

FCC ID: BCGA2379	 PCTEST Proud to be part of  element	SAR EVALUATION REPORT	Approved by: Quality Manager
Test Dates: 12/28/2020 – 03/03/2021	DUT Type: Tablet Device		APPENDIX J Page 5 of 6

Scenario 3: Change in Device State

This test demonstrates the efficacy of the time-averaged SAR algorithm when an external power control trigger is activated, transitioning between cell off and cell on at Time = 120 s.

The 2.4 GHz Ant 4a transmitter is active at 100% duty cycle until Time = 120 s. At this point a cellular connection occurs. The connection is established and the decrease in average transmit power and can clearly be seen, while utilization remains consistent. In this case the utilization ratio never exceeds 100% and the average transmit power never exceeds the Plim of the device state.

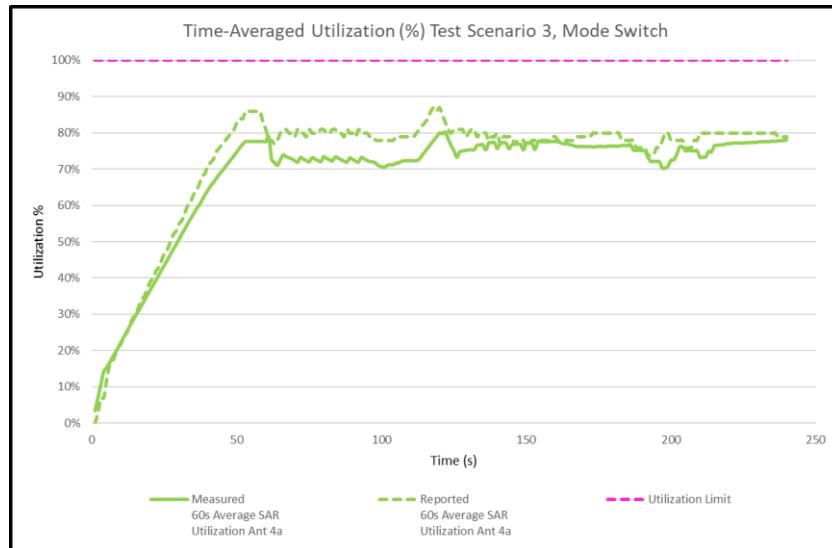


Figure J-7

60s Average Utilization vs. Time during Mode Switch

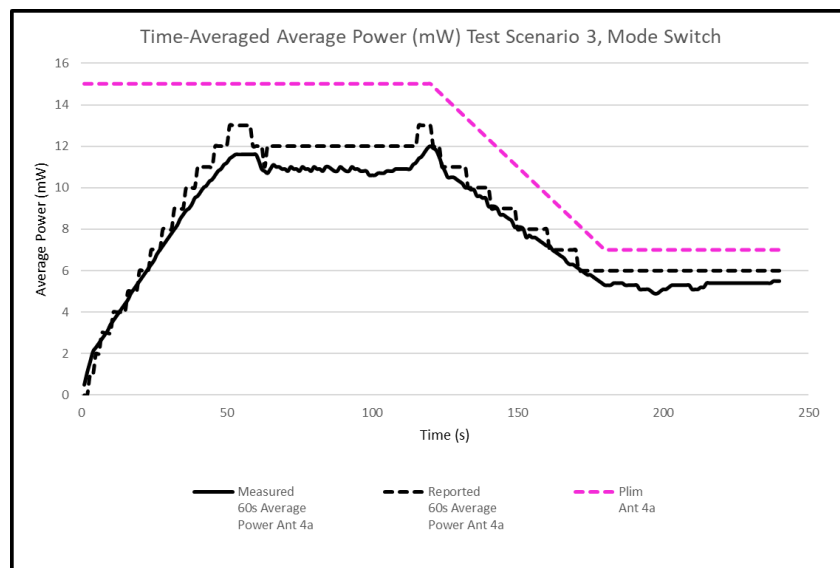


Figure J-8

60s Average Power vs. Time during Mode Switch

FCC ID: BCGA2379	 PCTEST Proud to be part of  element	SAR EVALUATION REPORT	Approved by: Quality Manager
Test Dates: 12/28/2020 – 03/03/2021	DUT Type: Tablet Device		APPENDIX J Page 6 of 6