

13. SAR Test Data Summary

13.1 SAR Measurement Results(DSI = 2)

CDMA BC0 (\$22H) Head SAR - Ant. A

| Frequency | | Mode | | Tune-Up Limit | Meas. Power | Power Drift | Test Position | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-----|----------|-------------|---------------|-------------|-------------|--|------------|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | | (dB) | (dB) | (dB) | | | | (W/kg) | | (W/kg) | |
| 836.52 | 384 | CDMA BC0 | RC3 / SO55 | 25.0 | 24.83 | 0.02 | Left Cheek | 1:1 | 111 | 0.132 | 1.040 | 0.137 | - |
| 836.52 | 384 | CDMA BC0 | RC3 / SO55 | 25.0 | 24.83 | 0.16 | Left Tilt | 1:1 | 111 | 0.097 | 1.040 | 0.101 | - |
| 836.52 | 384 | CDMA BC0 | RC3 / SO55 | 25.0 | 24.83 | 0.10 | Right Cheek | 1:1 | 111 | 0.217 | 1.040 | 0.226 | 1 |
| 836.52 | 384 | CDMA BC0 | RC3 / SO55 | 25.0 | 24.83 | 0.05 | Right Tilt | 1:1 | 111 | 0.103 | 1.040 | 0.107 | - |
| 836.52 | 384 | CDMA BC0 | EVDO Rev. A | 25.0 | 24.06 | 0.02 | Left Cheek | 1:1 | 111 | 0.107 | 1.242 | 0.133 | - |
| 836.52 | 384 | CDMA BC0 | EVDO Rev. A | 25.0 | 24.06 | 0.02 | Left Tilt | 1:1 | 111 | 0.082 | 1.242 | 0.102 | - |
| 836.52 | 384 | CDMA BC0 | EVDO Rev. A | 25.0 | 24.06 | -0.18 | Right Cheek | 1:1 | 111 | 0.167 | 1.242 | 0.207 | - |
| 836.52 | 384 | CDMA BC0 | EVDO Rev. A | 25.0 | 24.06 | -0.10 | Right Tilt | 1:1 | 111 | 0.086 | 1.242 | 0.107 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | |

PCS CDMA Head SAR- Ant. A

| Frequency | | Mode | | Tune-Up Limit | Meas. Power | Power Drift | Test Position | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|------|----------|-------------|---------------|-------------|-------------|--|------------|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | | (dB) | (dB) | (dB) | | | | (W/kg) | | (W/kg) | |
| 1 880.0 | 600 | PCS CDMA | RC3 / SO55 | 24.5 | 23.41 | 0.15 | Left Cheek | 1:1 | 115 | 0.184 | 1.285 | 0.236 | - |
| 1 880.0 | 600 | PCS CDMA | RC3 / SO55 | 24.5 | 23.41 | 0.18 | Left Tilt | 1:1 | 115 | 0.054 | 1.285 | 0.069 | - |
| 1 880.0 | 600 | PCS CDMA | RC3 / SO55 | 24.5 | 23.41 | -0.19 | Right Cheek | 1:1 | 115 | 0.080 | 1.285 | 0.103 | - |
| 1 880.0 | 600 | PCS CDMA | RC3 / SO55 | 24.5 | 23.41 | -0.03 | Right Tilt | 1:1 | 115 | 0.022 | 1.285 | 0.028 | - |
| 1 908.75 | 1175 | PCS CDMA | EVDO Rev. A | 24.5 | 23.41 | -0.18 | Left Cheek | 1:1 | 115 | 0.204 | 1.285 | 0.262 | - |
| 1 908.75 | 1175 | PCS CDMA | EVDO Rev. A | 24.5 | 23.41 | 0.03 | Left Tilt | 1:1 | 115 | 0.155 | 1.285 | 0.199 | - |
| 1 908.75 | 1175 | PCS CDMA | EVDO Rev. A | 24.5 | 23.41 | 0.09 | Right Cheek | 1:1 | 115 | 0.334 | 1.285 | 0.429 | 2 |
| 1 908.75 | 1175 | PCS CDMA | EVDO Rev. A | 24.5 | 23.41 | 0.01 | Right Tilt | 1:1 | 115 | 0.180 | 1.285 | 0.231 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | |

CDMA BC10 (\$90S) Head SAR - Ant. A

| Frequency | | Mode | | Tune-Up Limit | Meas. Power | Power Drift | Test Position | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-----|-----------|-------------|---------------|-------------|-------------|--|------------|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | | (dB) | (dB) | (dB) | | | | (W/kg) | | (W/kg) | |
| 820 | 560 | CDMA BC10 | RC3 / SO55 | 25.0 | 24.79 | 0.12 | Left Cheek | 1:1 | 111 | 0.156 | 1.050 | 0.164 | - |
| 820 | 560 | CDMA BC10 | RC3 / SO55 | 25.0 | 24.79 | -0.10 | Left Tilt | 1:1 | 111 | 0.097 | 1.050 | 0.102 | - |
| 820 | 560 | CDMA BC10 | RC3 / SO55 | 25.0 | 24.79 | -0.15 | Right Cheek | 1:1 | 111 | 0.202 | 1.050 | 0.212 | 3 |
| 820 | 560 | CDMA BC10 | RC3 / SO55 | 25.0 | 24.79 | -0.10 | Right Tilt | 1:1 | 111 | 0.104 | 1.050 | 0.109 | - |
| 820 | 560 | CDMA BC10 | EVDO Rev. A | 25.0 | 24.01 | -0.03 | Left Cheek | 1:1 | 111 | 0.110 | 1.256 | 0.138 | - |
| 820 | 560 | CDMA BC10 | EVDO Rev. A | 25.0 | 24.01 | -0.10 | Left Tilt | 1:1 | 111 | 0.074 | 1.256 | 0.093 | - |
| 820 | 560 | CDMA BC10 | EVDO Rev. A | 25.0 | 24.01 | -0.17 | Right Cheek | 1:1 | 111 | 0.158 | 1.256 | 0.198 | - |
| 820 | 560 | CDMA BC10 | EVDO Rev. A | 25.0 | 24.01 | 0.01 | Right Tilt | 1:1 | 111 | 0.082 | 1.256 | 0.103 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | |

GSM 850 Head SAR- Ant. A

| Frequency | | Mode | Tune-Up Limit | Meas. Power | Power Drift | Test Position | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-----|----------|---------------|-------------|-------------|--|------------|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | (dB) | (dB) | (dB) | | | | (W/kg) | | (W/kg) | |
| 836.6 | 190 | GSM | 33.5 | 32.56 | 0.13 | Left Cheek | 1:8.3 | 1 | 0.122 | 1.242 | 0.152 | - |
| 836.6 | 190 | GSM | 33.5 | 32.56 | 0.15 | Left Tilt | 1:8.3 | 1 | 0.082 | 1.242 | 0.102 | - |
| 836.6 | 190 | GSM | 33.5 | 32.56 | -0.10 | Right Cheek | 1:8.3 | 1 | 0.191 | 1.242 | 0.237 | 4 |
| 836.6 | 190 | GSM | 33.5 | 32.56 | -0.17 | Right Tilt | 1:8.3 | 1 | 0.104 | 1.242 | 0.129 | - |
| 836.6 | 190 | GPRS 2Tx | 32.0 | 31.96 | 0.18 | Left Cheek | 1:4.15 | 1 | 0.146 | 1.009 | 0.147 | - |
| 836.6 | 190 | GPRS 2Tx | 32.0 | 31.96 | 0.12 | Left Tilt | 1:4.15 | 1 | 0.147 | 1.009 | 0.148 | - |
| 836.6 | 190 | GPRS 2Tx | 32.0 | 31.96 | -0.19 | Right Cheek | 1:4.15 | 1 | 0.226 | 1.009 | 0.228 | - |
| 836.6 | 190 | GPRS 2Tx | 32.0 | 31.96 | -0.01 | Right Tilt | 1:4.15 | 1 | 0.119 | 1.009 | 0.120 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | |

GSM 1900 Head SAR- Ant. A

| Frequency | | Mode | Tune-Up Limit | Meas. Power | Power Drift | Test Position | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-----|----------|---------------|-------------|-------------|--|------------|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | (dB) | (dB) | (dB) | | | | (W/kg) | | (W/kg) | |
| 1 880 | 661 | GSM | 30.5 | 29.71 | -0.18 | Left Cheek | 1:8.3 | 115 | 0.100 | 1.199 | 0.120 | - |
| 1 880 | 661 | GSM | 30.5 | 29.71 | 0.12 | Left Tilt | 1:8.3 | 115 | 0.029 | 1.199 | 0.035 | - |
| 1 880 | 661 | GSM | 30.5 | 29.71 | 0.11 | Right Cheek | 1:8.3 | 115 | 0.051 | 1.199 | 0.061 | - |
| 1 880 | 661 | GSM | 30.5 | 29.71 | -0.12 | Right Tilt | 1:8.3 | 115 | 0.037 | 1.199 | 0.044 | - |
| 1 880 | 661 | GPRS 3Tx | 28.0 | 27.56 | -0.16 | Left Cheek | 1:2.77 | 115 | 0.149 | 1.107 | 0.165 | 5 |
| 1 880 | 661 | GPRS 3Tx | 28.0 | 27.56 | 0.14 | Left Tilt | 1:2.77 | 115 | 0.040 | 1.107 | 0.044 | - |
| 1 880 | 661 | GPRS 3Tx | 28.0 | 27.56 | 0.12 | Right Cheek | 1:2.77 | 115 | 0.087 | 1.107 | 0.096 | - |
| 1 880 | 661 | GPRS 3Tx | 28.0 | 27.56 | 0.11 | Right Tilt | 1:2.77 | 115 | 0.064 | 1.107 | 0.071 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | |

UMTS 850 Head SAR- Ant. A

| Frequency | | Mode | Tune-Up Limit | Meas. Power | Power Drift | Test Position | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|------|------|---------------|-------------|-------------|---------------|---|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | (dB) | (dB) | (dB) | | | | (W/kg) | | (W/kg) | |
| 836.6 | 4183 | RMC | 25.0 | 24.16 | 0.12 | Left Cheek | 1:1 | 1 | 0.139 | 1.213 | 0.169 | - |
| 836.6 | 4183 | RMC | 25.0 | 24.16 | 0.03 | Left Tilt | 1:1 | 1 | 0.075 | 1.213 | 0.091 | - |
| 836.6 | 4183 | RMC | 25.0 | 24.16 | 0.13 | Right Cheek | 1:1 | 1 | 0.194 | 1.213 | 0.235 | 6 |
| 836.6 | 4183 | RMC | 25.0 | 24.16 | -0.04 | Right Tilt | 1:1 | 1 | 0.090 | 1.213 | 0.109 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Head 1.6 W/kg (mW/g) Averaged over 1 gram | | | | | |

UMTS 1700 Head SAR- Ant. A

| Frequency | | Mode | Tune-Up Limit | Meas. Power | Power Drift | Test Position | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|------|------|---------------|-------------|-------------|---------------|---|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | (dB) | (dB) | (dB) | | | | (W/kg) | | (W/kg) | |
| 1 732.4 | 1412 | RMC | 24.5 | 23.77 | -0.05 | Left Cheek | 1:1 | 51 | 0.129 | 1.183 | 0.153 | 7 |
| 1 732.4 | 1412 | RMC | 24.5 | 23.77 | 0.12 | Left Tilt | 1:1 | 51 | 0.079 | 1.183 | 0.093 | - |
| 1 732.4 | 1412 | RMC | 24.5 | 23.77 | -0.01 | Right Cheek | 1:1 | 51 | 0.109 | 1.183 | 0.129 | - |
| 1 732.4 | 1412 | RMC | 24.5 | 23.77 | 0.14 | Right Tilt | 1:1 | 51 | 0.075 | 1.183 | 0.089 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Head 1.6 W/kg (mW/g) Averaged over 1 gram | | | | | |

UMTS 1900 Head SAR- Ant. A

| Frequency | | Mode | Tune-Up Limit | Meas. Power | Power Drift | Test Position | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|------|------|---------------|-------------|-------------|---------------|---|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | (dB) | (dB) | (dB) | | | | (W/kg) | | (W/kg) | |
| 1 880 | 9400 | RMC | 24.5 | 24.31 | -0.19 | Left Cheek | 1:1 | 113 | 0.153 | 1.045 | 0.160 | 8 |
| 1 880 | 9400 | RMC | 24.5 | 24.31 | -0.01 | Left Tilt | 1:1 | 113 | 0.053 | 1.045 | 0.055 | - |
| 1 880 | 9400 | RMC | 24.5 | 24.31 | -0.16 | Right Cheek | 1:1 | 113 | 0.105 | 1.045 | 0.110 | - |
| 1 880 | 9400 | RMC | 24.5 | 24.31 | -0.02 | Right Tilt | 1:1 | 113 | 0.085 | 1.045 | 0.089 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Head 1.6 W/kg (mW/g) Averaged over 1 gram | | | | | |

LTE Band 7 Head SAR- Ant. B

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-------|------|------------|---------------|-------------|-------------|---------------|--|---------|-----------|------------|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | |
| 2 560 | 21350 | QPSK | 20 | 24.5 | 23.82 | -0.10 | Left Cheek | 0 | 1 | 99 | 1:1 | | 0.112 | 1.169 | 0.131 | 9 |
| 2 560 | 21350 | QPSK | 20 | 23.5 | 22.77 | 0.18 | Left Cheek | 1 | 50 | 25 | 1:1 | | 0.093 | 1.183 | 0.110 | - |
| 2 560 | 21350 | QPSK | 20 | 24.5 | 23.82 | -0.01 | Left Tilt | 0 | 1 | 99 | 1:1 | | 0.073 | 1.169 | 0.085 | - |
| 2 560 | 21350 | QPSK | 20 | 23.5 | 22.77 | 0.17 | Left Tilt | 1 | 50 | 25 | 1:1 | | 0.059 | 1.183 | 0.070 | - |
| 2 560 | 21350 | QPSK | 20 | 24.5 | 23.82 | 0.14 | Right Cheek | 0 | 1 | 99 | 1:1 | | 0.082 | 1.169 | 0.096 | - |
| 2 560 | 21350 | QPSK | 20 | 23.5 | 22.77 | 0.08 | Right Cheek | 1 | 50 | 25 | 1:1 | | 0.069 | 1.183 | 0.082 | - |
| 2 560 | 21350 | QPSK | 20 | 24.5 | 23.82 | 0.17 | Right Tilt | 0 | 1 | 99 | 1:1 | | 0.084 | 1.169 | 0.098 | - |
| 2 560 | 21350 | QPSK | 20 | 23.5 | 22.77 | 0.10 | Right Tilt | 1 | 50 | 25 | 1:1 | | 0.071 | 1.183 | 0.084 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | | | |

LTE Band 12 Head SAR- Ant. A

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-------|------|------------|---------------|-------------|-------------|---------------|--|---------|-----------|------------|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | |
| 707.5 | 23095 | QPSK | 10 | 25.5 | 23.99 | 0.13 | Left Cheek | 0 | 1 | 0 | 1:1 | 4 | 0.112 | 1.416 | 0.159 | - |
| 707.5 | 23095 | QPSK | 10 | 24.5 | 22.96 | 0.14 | Left Cheek | 1 | 25 | 12 | 1:1 | 4 | 0.101 | 1.426 | 0.144 | - |
| 707.5 | 23095 | QPSK | 10 | 25.5 | 23.99 | 0.15 | Left Tilt | 0 | 1 | 0 | 1:1 | 4 | 0.036 | 1.416 | 0.051 | - |
| 707.5 | 23095 | QPSK | 10 | 24.5 | 22.96 | -0.10 | Left Tilt | 1 | 25 | 12 | 1:1 | 4 | 0.037 | 1.426 | 0.053 | - |
| 707.5 | 23095 | QPSK | 10 | 25.5 | 23.99 | 0.19 | Right Cheek | 0 | 1 | 0 | 1:1 | 4 | 0.140 | 1.416 | 0.198 | 10 |
| 707.5 | 23095 | QPSK | 10 | 24.5 | 22.96 | 0.14 | Right Cheek | 1 | 25 | 12 | 1:1 | 4 | 0.119 | 1.426 | 0.170 | - |
| 707.5 | 23095 | QPSK | 10 | 25.5 | 23.99 | 0.14 | Right Tilt | 0 | 1 | 0 | 1:1 | 4 | 0.040 | 1.416 | 0.057 | - |
| 707.5 | 23095 | QPSK | 10 | 24.5 | 22.96 | 0.15 | Right Tilt | 1 | 25 | 12 | 1:1 | 4 | 0.056 | 1.426 | 0.080 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | | | |

LTE Band 13 Head SAR- Ant. A

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-------|------|------------|---------------|-------------|-------------|---------------|--|---------|-----------|------------|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | |
| 782 | 23230 | QPSK | 10 | 25.5 | 23.89 | -0.05 | Left Cheek | 0 | 1 | 24 | 1:1 | 1 | 0.107 | 1.449 | 0.155 | - |
| 782 | 23230 | QPSK | 10 | 24.5 | 22.98 | 0.15 | Left Cheek | 1 | 25 | 0 | 1:1 | 1 | 0.085 | 1.419 | 0.121 | - |
| 782 | 23230 | QPSK | 10 | 25.5 | 23.89 | -0.11 | Left Tilt | 0 | 1 | 24 | 1:1 | 1 | 0.059 | 1.449 | 0.085 | - |
| 782 | 23230 | QPSK | 10 | 24.5 | 22.98 | -0.02 | Left Tilt | 1 | 25 | 0 | 1:1 | 1 | 0.054 | 1.419 | 0.077 | - |
| 782 | 23230 | QPSK | 10 | 25.5 | 23.89 | -0.15 | Right Cheek | 0 | 1 | 24 | 1:1 | 1 | 0.166 | 1.449 | 0.241 | 11 |
| 782 | 23230 | QPSK | 10 | 24.5 | 22.98 | 0.17 | Right Cheek | 1 | 25 | 0 | 1:1 | 1 | 0.132 | 1.419 | 0.187 | - |
| 782 | 23230 | QPSK | 10 | 25.5 | 23.89 | -0.01 | Right Tilt | 0 | 1 | 24 | 1:1 | 1 | 0.073 | 1.449 | 0.106 | - |
| 782 | 23230 | QPSK | 10 | 24.5 | 22.98 | 0.16 | Right Tilt | 1 | 25 | 0 | 1:1 | 1 | 0.057 | 1.419 | 0.081 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | | | |

LTE Band 14 Head SAR- Ant. A

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-------|------|------------|---------------|-------------|-------------|---------------|--|---------|-----------|------------|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | |
| 793 | 23330 | QPSK | 10 | 25.5 | 24.70 | 0.17 | Left Cheek | 0 | 1 | 0 | 1:1 | 4 | 0.143 | 1.202 | 0.172 | - |
| 793 | 23330 | QPSK | 10 | 24.5 | 23.42 | 0.19 | Left Cheek | 1 | 25 | 12 | 1:1 | 4 | 0.112 | 1.282 | 0.144 | - |
| 793 | 23330 | QPSK | 10 | 25.5 | 24.70 | -0.02 | Left Tilt | 0 | 1 | 0 | 1:1 | 4 | 0.107 | 1.202 | 0.129 | - |
| 793 | 23330 | QPSK | 10 | 24.5 | 23.42 | -0.08 | Left Tilt | 1 | 25 | 12 | 1:1 | 4 | 0.083 | 1.282 | 0.106 | - |
| 793 | 23330 | QPSK | 10 | 25.5 | 24.70 | 0.08 | Right Cheek | 0 | 1 | 0 | 1:1 | 4 | 0.191 | 1.202 | 0.230 | 12 |
| 793 | 23330 | QPSK | 10 | 24.5 | 23.42 | -0.14 | Right Cheek | 1 | 25 | 12 | 1:1 | 4 | 0.140 | 1.282 | 0.179 | - |
| 793 | 23330 | QPSK | 10 | 25.5 | 24.70 | -0.04 | Right Tilt | 0 | 1 | 0 | 1:1 | 4 | 0.087 | 1.202 | 0.105 | - |
| 793 | 23330 | QPSK | 10 | 24.5 | 23.42 | -0.05 | Right Tilt | 1 | 25 | 12 | 1:1 | 4 | 0.071 | 1.282 | 0.091 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | | | |

LTE Band 25 Head SAR- Ant. A

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-------|------|------------|---------------|-------------|-------------|---------------|--|---------|-----------|------------|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | |
| 1 882.5 | 26365 | QPSK | 20 | 25.0 | 24.61 | 0.10 | Left Cheek | 0 | 1 | 0 | 1:1 | 115 | 0.178 | 1.094 | 0.195 | 13 |
| 1 882.5 | 26365 | QPSK | 20 | 24.0 | 23.71 | 0.18 | Left Cheek | 1 | 50 | 25 | 1:1 | 115 | 0.131 | 1.069 | 0.140 | - |
| 1 882.5 | 26365 | QPSK | 20 | 25.0 | 24.61 | 0.14 | Left Tilt | 0 | 1 | 0 | 1:1 | 115 | 0.064 | 1.094 | 0.070 | - |
| 1 882.5 | 26365 | QPSK | 20 | 24.0 | 23.71 | 0.16 | Left Tilt | 1 | 50 | 25 | 1:1 | 115 | 0.049 | 1.069 | 0.052 | - |
| 1 882.5 | 26365 | QPSK | 20 | 25.0 | 24.61 | 0.17 | Right Cheek | 0 | 1 | 0 | 1:1 | 115 | 0.105 | 1.094 | 0.115 | - |
| 1 882.5 | 26365 | QPSK | 20 | 24.0 | 23.71 | 0.11 | Right Cheek | 1 | 50 | 25 | 1:1 | 115 | 0.085 | 1.069 | 0.091 | - |
| 1 882.5 | 26365 | QPSK | 20 | 25.0 | 24.61 | 0.02 | Right Tilt | 0 | 1 | 0 | 1:1 | 115 | 0.070 | 1.094 | 0.077 | - |
| 1 882.5 | 26365 | QPSK | 20 | 24.0 | 23.71 | 0.04 | Right Tilt | 1 | 50 | 25 | 1:1 | 115 | 0.052 | 1.069 | 0.056 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | | | |

LTE Band 26 Head SAR- Ant. A

| Component CA | Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--------------|-----------|-------|------|------------|---------------|-------------|-------------|---------------|-----|---------|-----------|------------|------------|-----------|----------------|------------|----------|
| | Mhz | Ch. | | | | | | | | | | | | | | | |
| | 831.6 | 26865 | QPSK | 15 | 25.5 | 24.02 | -0.02 | Left Cheek | 0 | 1 | 0 | 1:1 | 4 | 0.138 | 1.406 | 0.194 | - |
| | 831.6 | 26865 | QPSK | 15 | 24.5 | 23.16 | -0.07 | Left Cheek | 1 | 36 | 39 | 1:1 | 4 | 0.116 | 1.361 | 0.158 | - |
| | 831.6 | 26865 | QPSK | 15 | 25.5 | 24.02 | -0.01 | Left Tilt | 0 | 1 | 0 | 1:1 | 4 | 0.109 | 1.406 | 0.153 | - |
| | 831.6 | 26865 | QPSK | 15 | 24.5 | 23.16 | -0.01 | Left Tilt | 1 | 36 | 39 | 1:1 | 4 | 0.088 | 1.361 | 0.120 | - |
| | 831.6 | 26865 | QPSK | 15 | 25.5 | 24.02 | 0.11 | Right Cheek | 0 | 1 | 0 | 1:1 | 4 | 0.182 | 1.406 | 0.256 | - |
| | 831.6 | 26865 | QPSK | 15 | 24.5 | 23.16 | 0.18 | Right Cheek | 1 | 36 | 39 | 1:1 | 4 | 0.157 | 1.361 | 0.214 | - |
| | 831.6 | 26865 | QPSK | 15 | 25.5 | 24.02 | 0.02 | Right Tilt | 0 | 1 | 0 | 1:1 | 4 | 0.084 | 1.406 | 0.118 | - |
| | 831.6 | 26865 | QPSK | 15 | 24.5 | 23.16 | 0.03 | Right Tilt | 1 | 36 | 39 | 1:1 | 4 | 0.075 | 1.361 | 0.102 | - |

LTE Band 5 Up-link Carrier Aggregation (5B)

| | | | | | | | | | | | | | | | | | |
|--|-------|-------|------|----|------|-------|-------|--|---|---|----|-----|---|-------|-------|--------------|----|
| PCC | 836.5 | 20525 | QPSK | 10 | 25.5 | 24.31 | -0.19 | Left Cheek | 0 | 1 | 49 | 1:1 | 4 | 0.233 | 1.315 | 0.306 | 14 |
| SCC | 843.7 | 20597 | | 5 | | | | | | 1 | 0 | | | | | | |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | | | | |

LTE Band 30 Head SAR- Ant. B

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-------|------|------------|---------------|-------------|-------------|---------------|--|---------|-----------|------------|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | |
| 2 310 | 27710 | QPSK | 10 | 23.0 | 22.31 | 0.19 | Left Cheek | 0 | 1 | 24 | 1:1 | | 0.097 | 1.172 | 0.114 | 15 |
| 2 310 | 27710 | QPSK | 10 | 22.0 | 21.39 | 0.11 | Left Cheek | 1 | 25 | 0 | 1:1 | | 0.075 | 1.151 | 0.086 | - |
| 2 310 | 27710 | QPSK | 10 | 23.0 | 22.31 | 0.07 | Left Tilt | 0 | 1 | 24 | 1:1 | | 0.043 | 1.172 | 0.050 | - |
| 2 310 | 27710 | QPSK | 10 | 22.0 | 21.39 | -0.09 | Left Tilt | 1 | 25 | 0 | 1:1 | | 0.032 | 1.151 | 0.037 | - |
| 2 310 | 27710 | QPSK | 10 | 23.0 | 22.31 | 0.18 | Right Cheek | 0 | 1 | 24 | 1:1 | | 0.094 | 1.172 | 0.110 | - |
| 2 310 | 27710 | QPSK | 10 | 22.0 | 21.39 | 0.14 | Right Cheek | 1 | 25 | 0 | 1:1 | | 0.073 | 1.151 | 0.084 | - |
| 2 310 | 27710 | QPSK | 10 | 23.0 | 22.31 | 0.19 | Right Tilt | 0 | 1 | 24 | 1:1 | | 0.054 | 1.172 | 0.063 | - |
| 2 310 | 27710 | QPSK | 10 | 22.0 | 21.39 | 0.13 | Right Tilt | 1 | 25 | 0 | 1:1 | | 0.044 | 1.151 | 0.051 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | | | |

LTE Band 40 Head SAR _ Lower frequency range- Ant. B

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-------|------|------------|---------------|-------------|-------------|---------------|--|---------|-----------|------------|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | |
| 2 310 | 38750 | QPSK | 10 | 14.0 | 13.43 | 0.01 | Left Cheek | 0 | 1 | 24 | 1:1.58 | | 0.00464 | 1.140 | 0.005 | 16 |
| 2 310 | 38750 | QPSK | 10 | 14.0 | 13.59 | 0.01 | Left Cheek | 0 | 25 | 12 | 1:1.58 | | 0.00169 | 1.099 | 0.002 | - |
| 2 310 | 38750 | QPSK | 10 | 14.0 | 13.43 | 0.17 | Left Tilt | 0 | 1 | 24 | 1:1.58 | | 0.000325 | 1.140 | 0.0004 | - |
| 2 310 | 38750 | QPSK | 10 | 14.0 | 13.59 | 0.14 | Left Tilt | 0 | 25 | 12 | 1:1.58 | | 0.000285 | 1.099 | 0.0003 | - |
| 2 310 | 38750 | QPSK | 10 | 14.0 | 13.43 | 0.01 | Right Cheek | 0 | 1 | 24 | 1:1.58 | | 0.0033 | 1.140 | 0.004 | - |
| 2 310 | 38750 | QPSK | 10 | 14.0 | 13.59 | 0.01 | Right Cheek | 0 | 25 | 12 | 1:1.58 | | 0.000691 | 1.099 | 0.001 | - |
| 2 310 | 38750 | QPSK | 10 | 14.0 | 13.43 | 0.10 | Right Tilt | 0 | 1 | 24 | 1:1.58 | | 0.0000719 | 1.140 | 0.00008 | - |
| 2 310 | 38750 | QPSK | 10 | 14.0 | 13.59 | 0.15 | Right Tilt | 0 | 25 | 12 | 1:1.58 | | 0.0000203 | 1.099 | 0.00002 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | | | |

LTE Band 40 Head SAR _ Upper frequency range- Ant. B

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-------|------|------------|---------------|-------------|-------------|---------------|--|---------|-----------|------------|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | |
| 2 355 | 39200 | QPSK | 10 | 14.0 | 13.43 | 0.01 | Left Cheek | 0 | 1 | 24 | 1:1.58 | | 0.0048 | 1.140 | 0.005 | 17 |
| 2 355 | 39200 | QPSK | 10 | 14.0 | 13.59 | 0.01 | Left Cheek | 0 | 25 | 12 | 1:1.58 | | 0.00378 | 1.099 | 0.004 | - |
| 2 355 | 39200 | QPSK | 10 | 14.0 | 13.43 | 0.10 | Left Tilt | 0 | 1 | 24 | 1:1.58 | | 0.00183 | 1.140 | 0.002 | - |
| 2 355 | 39200 | QPSK | 10 | 14.0 | 13.59 | 0.14 | Left Tilt | 0 | 25 | 12 | 1:1.58 | | 0.000245 | 1.099 | 0.0003 | - |
| 2 355 | 39200 | QPSK | 10 | 14.0 | 13.43 | 0.01 | Right Cheek | 0 | 1 | 24 | 1:1.58 | | 0.00351 | 1.140 | 0.004 | - |
| 2 355 | 39200 | QPSK | 10 | 14.0 | 13.59 | 0.01 | Right Cheek | 0 | 25 | 12 | 1:1.58 | | 0.00315 | 1.099 | 0.003 | - |
| 2 355 | 39200 | QPSK | 10 | 14.0 | 13.43 | 0.01 | Right Tilt | 0 | 1 | 24 | 1:1.58 | | 0.000596 | 1.140 | 0.001 | - |
| 2 355 | 39200 | QPSK | 10 | 14.0 | 13.59 | -0.19 | Right Tilt | 0 | 25 | 12 | 1:1.58 | | 0.000476 | 1.099 | 0.001 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | | | |

LTE TDD Band 41 Head SAR- Ant. B

| Component CA | Frequency | | Mode | Band width (MHz) | Tune- Up Limit (dBm) | Meas. Power (dBm) | Power Drift (dB) | Test Position | MPR (dB) | RB Size | RB offset | Duty Cycle | Ant. State | Meas. SAR (W/kg) | Scaling Factor | Scaled SAR (W/kg) | Plot No. |
|--|-----------|-------|------|------------------------|----------------------------|-------------------------|------------------------|------------------|--|------------|--------------|---------------|---------------|------------------------|-------------------|-------------------------|-------------|
| | Mhz | Ch. | | | | | | | | | | | | | | | |
| Power class 3 | | | | | | | | | | | | | | | | | |
| | 2 593 | 40620 | QPSK | 20 | 25.5 | 24.79 | 0.07 | Left Cheek | 0 | 1 | 99 | 1:1.58 | | 0.098 | 1.178 | 0.115 | |
| | 2 593 | 40620 | QPSK | 20 | 24.5 | 24.18 | 0.11 | Left Cheek | 1 | 50 | 25 | 1:1.58 | | 0.085 | 1.076 | 0.091 | - |
| | 2 593 | 40620 | QPSK | 20 | 25.5 | 24.79 | 0.03 | Left Tilt | 0 | 1 | 99 | 1:1.58 | | 0.060 | 1.178 | 0.071 | - |
| | 2 593 | 40620 | QPSK | 20 | 24.5 | 24.18 | 0.13 | Left Tilt | 1 | 50 | 25 | 1:1.58 | | 0.050 | 1.076 | 0.054 | - |
| | 2 593 | 40620 | QPSK | 20 | 25.5 | 24.79 | 0.10 | Right Cheek | 0 | 1 | 99 | 1:1.58 | | 0.074 | 1.178 | 0.087 | - |
| | 2 593 | 40620 | QPSK | 20 | 24.5 | 24.18 | 0.18 | Right Cheek | 1 | 50 | 25 | 1:1.58 | | 0.059 | 1.076 | 0.063 | - |
| | 2 593 | 40620 | QPSK | 20 | 25.5 | 24.79 | 0.17 | Right Tilt | 0 | 1 | 99 | 1:1.58 | | 0.096 | 1.178 | 0.113 | - |
| | 2 593 | 40620 | QPSK | 20 | 24.5 | 24.18 | -0.10 | Right Tilt | 1 | 50 | 25 | 1:1.58 | | 0.081 | 1.076 | 0.087 | - |
| Power class 2 (HPUE) | | | | | | | | | | | | | | | | | |
| - | 2 593 | 40620 | QPSK | 20 | 27.0 | 26.55 | 0.14 | Left Cheek | 0 | 1 | 99 | 1:2.31 | | 0.111 | 1.109 | 0.123 | 18 |
| Up-link Carrier Aggregation Power class 3 (41C) | | | | | | | | | | | | | | | | | |
| PCC | 2 593 | 40620 | QPSK | 20 | 25.5 | 24.75 | 0.10 | Left Cheek | 0 | 1 | 99 | 1:1.58 | | 0.050 | 1.189 | 0.059 | - |
| SCC | 2612.8 | 40818 | | 20 | | | | | | 1 | 0 | | | | | | |
| Up-link Carrier Aggregation Power class 2(HPUE) (41C) | | | | | | | | | | | | | | | | | |
| PCC | 2 593 | 40620 | QPSK | 20 | 27.0 | 26.53 | 0.12 | Left Cheek | 0 | 1 | 99 | 1:2.31 | | 0.102 | 1.114 | 0.114 | - |
| SCC | 2612.8 | 40818 | | 20 | | | | | | 1 | 0 | | | | | | |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | | | |

LTE TDD Band 48 Head SAR- Ant. H (RCV-ON)

| Component CA | Frequency | | Mode | Band width (MHz) | Tune- Up Limit (dBm) | Meas. Power (dBm) | Power Drift (dB) | Test Position | MPR (dB) | RB Size | RB offset | Duty Cycle | Ant. State | Meas. SAR (W/kg) | Scaling Factor | Scaled SAR (W/kg) | Plot No. |
|--|-----------|-------|------|------------------------|----------------------------|-------------------------|------------------------|------------------|--|------------|--------------|---------------|---------------|------------------------|-------------------|-------------------------|-------------|
| | Mhz | Ch. | | | | | | | | | | | | | | | |
| | 3603.3 | 55773 | QPSK | 20 | 17.5 | 16.70 | 0.16 | Left Cheek | 0 | 1 | 99 | 1:1.58 | | 0.100 | 1.202 | 0.120 | - |
| | 3560.0 | 55340 | QPSK | 20 | 17.5 | 16.71 | -0.11 | Left Cheek | 0 | 50 | 25 | 1:1.58 | | 0.117 | 1.199 | 0.140 | - |
| | 3603.3 | 55773 | QPSK | 20 | 17.5 | 16.70 | -0.06 | Left Tilt | 0 | 1 | 99 | 1:1.58 | | 0.105 | 1.202 | 0.126 | - |
| | 3560.0 | 55340 | QPSK | 20 | 17.5 | 16.71 | -0.15 | Left Tilt | 0 | 50 | 25 | 1:1.58 | | 0.112 | 1.199 | 0.134 | - |
| | 3603.3 | 55773 | QPSK | 20 | 17.5 | 16.70 | -0.17 | Right Cheek | 0 | 1 | 99 | 1:1.58 | | 0.496 | 1.202 | 0.596 | - |
| | 3560.0 | 55340 | QPSK | 20 | 17.5 | 16.71 | 0.16 | Right Cheek | 0 | 50 | 25 | 1:1.58 | | 0.473 | 1.199 | 0.567 | - |
| | 3603.3 | 55773 | QPSK | 20 | 17.5 | 16.70 | -0.17 | Right Tilt | 0 | 1 | 99 | 1:1.58 | | 0.459 | 1.202 | 0.552 | - |
| | 3560.0 | 55340 | QPSK | 20 | 17.5 | 16.71 | 0.16 | Right Tilt | 0 | 50 | 25 | 1:1.58 | | 0.391 | 1.199 | 0.469 | - |
| Up-link Carrier Aggregation (48C) | | | | | | | | | | | | | | | | | |
| PCC | 3603.3 | 55773 | QPSK | 20 | 17.5 | 16.43 | 0.17 | Right Cheek | 0 | 1 | 99 | 1:1.58 | | 0.521 | 1.279 | 0.666 | 19 |
| SCC | 3623.1 | 55971 | | 20 | | | | | | 1 | 0 | | | | | | |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | | | |

* Power reduction condition during Receiver_ON

LTE TDD Band 66 Head SAR- Ant. A

| Component CA | Frequency | | Mode | Band width (MHz) | Tune- Up Limit (dBm) | Meas. Power (dBm) | Power Drift (dB) | Test Position | MPR (dB) | RB | RB | Duty Cycle | Ant. State | Meas. SAR (W/kg) | Scaling Factor | Scaled SAR (W/kg) | Plot No. |
|-----------------|-----------|--------|------|------------------------|----------------------------|-------------------------|------------------------|------------------|-------------|------|--------|---------------|---------------|------------------------|-------------------|-------------------------|-------------|
| | Mhz | Ch. | | | | | | | | Size | offset | | | | | | |
| | 1 770 | 132572 | QPSK | 20 | 24.5 | 24.01 | 0.19 | Left Cheek | 0 | 1 | 0 | 1:1 | 51 | 0.193 | 1.119 | 0.216 | 20 |
| | 1 745 | 132322 | QPSK | 20 | 23.5 | 23.05 | 0.18 | Left Cheek | 1 | 50 | 49 | 1:1 | 51 | 0.113 | 1.109 | 0.125 | - |
| | 1 770 | 132572 | QPSK | 20 | 24.5 | 24.01 | 0.12 | Left Tilt | 0 | 1 | 0 | 1:1 | 51 | 0.061 | 1.119 | 0.068 | - |
| | 1 745 | 132322 | QPSK | 20 | 23.5 | 23.05 | 0.10 | Left Tilt | 1 | 50 | 49 | 1:1 | 51 | 0.040 | 1.109 | 0.044 | - |
| | 1 770 | 132572 | QPSK | 20 | 24.5 | 24.01 | 0.11 | Right Cheek | 0 | 1 | 0 | 1:1 | 51 | 0.136 | 1.119 | 0.152 | - |
| | 1 745 | 132322 | QPSK | 20 | 23.5 | 23.05 | 0.11 | Right Cheek | 1 | 50 | 49 | 1:1 | 51 | 0.076 | 1.109 | 0.084 | - |
| | 1 770 | 132572 | QPSK | 20 | 24.5 | 24.01 | 0.18 | Right Tilt | 0 | 1 | 0 | 1:1 | 51 | 0.112 | 1.119 | 0.125 | - |
| | 1 745 | 132322 | QPSK | 20 | 23.5 | 23.05 | 0.14 | Right Tilt | 1 | 50 | 49 | 1:1 | 51 | 0.065 | 1.109 | 0.072 | - |

Up-link Carrier Aggregation (66B)

| | | | | | | | | | | | | | | | | | |
|-----|---------|--------|------|----|------|-------|-------|------------|---|---|----|-----|----|-------|-------|-------|---|
| PCC | 1 745 | 132322 | QPSK | 10 | 24.5 | 23.91 | -0.15 | Left Cheek | 0 | 1 | 0 | 1:1 | 51 | 0.136 | 1.146 | 0.156 | - |
| SCC | 1 735.1 | 132223 | | 10 | | | | | | 1 | 49 | | | | | | |

Up-link Carrier Aggregation (66C)

| | | | | | | | | | | | | | | | | | |
|-----|--------|--------|------|----|------|-------|------|------------|---|---|----|-----|----|-------|-------|-------|---|
| PCC | 1 770 | 132572 | QPSK | 20 | 24.5 | 23.91 | 0.14 | Left Cheek | 0 | 1 | 0 | 1:1 | 51 | 0.161 | 1.146 | 0.185 | - |
| SCC | 1750.2 | 132374 | | 20 | | | | | | 1 | 99 | | | | | | |

ANSI/ IEEE C95.1 - 2005- Safety Limit
Spatial Peak
Uncontrolled Exposure/ General Population

Head
1.6 W/kg
Averaged over 1 gram

LTE Band 71 Head SAR- Ant. A

| Frequency | | Mode | Band width (MHz) | Tune- Up Limit (dBm) | Meas. Power (dBm) | Power Drift (dB) | Test Position | MPR (dB) | RB | RB | Duty Cycle | Ant. State | Meas. SAR (W/kg) | Scaling Factor | Scaled SAR (W/kg) | Plot No. |
|-----------|--------|------|------------------------|----------------------------|-------------------------|------------------------|------------------|-------------|------|--------|---------------|---------------|------------------------|-------------------|-------------------------|-------------|
| Mhz | Ch. | | | | | | | | Size | offset | | | | | | |
| 680.5 | 133297 | QPSK | 20 | 25.5 | 24.35 | -0.14 | Left Cheek | 0 | 1 | 0 | 1:1 | 4 | 0.085 | 1.303 | 0.111 | - |
| 680.5 | 133297 | QPSK | 20 | 24.5 | 23.43 | -0.18 | Left Cheek | 1 | 50 | 0 | 1:1 | 4 | 0.074 | 1.279 | 0.095 | - |
| 680.5 | 133297 | QPSK | 20 | 25.5 | 24.35 | -0.17 | Left Tilt | 0 | 1 | 0 | 1:1 | 4 | 0.038 | 1.303 | 0.050 | - |
| 680.5 | 133297 | QPSK | 20 | 24.5 | 23.43 | -0.16 | Left Tilt | 1 | 50 | 0 | 1:1 | 4 | 0.030 | 1.279 | 0.038 | - |
| 680.5 | 133297 | QPSK | 20 | 25.5 | 24.35 | -0.02 | Right Cheek | 0 | 1 | 0 | 1:1 | 4 | 0.105 | 1.303 | 0.137 | 21 |
| 680.5 | 133297 | QPSK | 20 | 24.5 | 23.43 | -0.13 | Right Cheek | 1 | 50 | 0 | 1:1 | 4 | 0.082 | 1.279 | 0.105 | - |
| 680.5 | 133297 | QPSK | 20 | 25.5 | 24.35 | -0.04 | Right Tilt | 0 | 1 | 0 | 1:1 | 4 | 0.026 | 1.303 | 0.034 | - |
| 680.5 | 133297 | QPSK | 20 | 24.5 | 23.43 | 0.05 | Right Tilt | 1 | 50 | 0 | 1:1 | 4 | 0.020 | 1.279 | 0.026 | - |

ANSI/ IEEE C95.1 - 2005- Safety Limit
Spatial Peak
Uncontrolled Exposure/ General Population

Head
1.6 W/kg
Averaged over 1 gram

NR Band n5 (Cell) Head SAR- Ant. A

| Frequency | | Modulation | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|--------|-----------------|------------|---------------|-------------|-------------|--|------|---------|-----------|------------|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | (Mhz) | (dBm) | (dBm) | (dB) | | (dB) | (dB) | | | | | (W/kg) | | |
| 836.5 | 167300 | DFT-s OFDM QPSK | 20 | 25.5 | 23.80 | 0.13 | Left Cheek | 0 | 1 | 53 | 1:1 | 4 | 0.115 | 1.479 | 0.170 | - |
| 836.5 | 167300 | DFT-s OFDM QPSK | 20 | 25.5 | 24.07 | -0.19 | Left Cheek | 0 | 50 | 28 | 1:1 | 4 | 0.076 | 1.390 | 0.106 | - |
| 836.5 | 167300 | DFT-s OFDM QPSK | 20 | 25.5 | 23.80 | -0.01 | Left Tilt | 0 | 1 | 53 | 1:1 | 4 | 0.094 | 1.479 | 0.139 | - |
| 836.5 | 167300 | DFT-s OFDM QPSK | 20 | 25.5 | 24.07 | 0.18 | Left Tilt | 0 | 50 | 28 | 1:1 | 4 | 0.00876 | 1.390 | 0.012 | - |
| 836.5 | 167300 | DFT-s OFDM QPSK | 20 | 25.5 | 23.80 | -0.01 | Right Cheek | 0 | 1 | 53 | 1:1 | 4 | 0.171 | 1.479 | 0.253 | 22 |
| 836.5 | 167300 | DFT-s OFDM QPSK | 20 | 25.5 | 24.07 | 0.18 | Right Cheek | 0 | 50 | 28 | 1:1 | 4 | 0.142 | 1.390 | 0.197 | - |
| 836.5 | 167300 | DFT-s OFDM QPSK | 20 | 25.5 | 23.80 | -0.15 | Right Tilt | 0 | 1 | 53 | 1:1 | 4 | 0.089 | 1.479 | 0.132 | - |
| 836.5 | 167300 | DFT-s OFDM QPSK | 20 | 25.5 | 24.07 | -0.08 | Right Tilt | 0 | 50 | 28 | 1:1 | 4 | 0.059 | 1.390 | 0.082 | - |
| 836.5 | 167300 | CP QPSK | 20 | 24.0 | 22.25 | 0.16 | Right Cheek | 1.5 | 1 | 1 | 1:1 | 4 | 0.110 | 1.496 | 0.165 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | | | | |

NR Band n12 Head SAR- Ant. A

| Frequency | | Modulation | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|--------|-----------------|------------|---------------|-------------|-------------|--|------|---------|-----------|------------|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | (Mhz) | (dBm) | (dBm) | (dB) | | (dB) | (dB) | | | | | (W/kg) | | |
| 707.5 | 141500 | DFT-s OFDM QPSK | 15 | 25.5 | 23.92 | -0.10 | Left Cheek | 0 | 1 | 1 | 1:1 | 1 | 0.099 | 1.439 | 0.143 | - |
| 707.5 | 141500 | DFT-s OFDM QPSK | 15 | 25.5 | 23.98 | 0.18 | Left Cheek | 0 | 36 | 22 | 1:1 | 1 | 0.097 | 1.419 | 0.137 | - |
| 707.5 | 141500 | DFT-s OFDM QPSK | 15 | 25.5 | 23.92 | 0.19 | Left Tilt | 0 | 1 | 1 | 1:1 | 1 | 0.044 | 1.439 | 0.064 | - |
| 707.5 | 141500 | DFT-s OFDM QPSK | 15 | 25.5 | 23.98 | 0.12 | Left Tilt | 0 | 36 | 22 | 1:1 | 1 | 0.042 | 1.419 | 0.059 | - |
| 707.5 | 141500 | DFT-s OFDM QPSK | 15 | 25.5 | 23.92 | 0.15 | Right Cheek | 0 | 1 | 1 | 1:1 | 1 | 0.115 | 1.439 | 0.165 | 23 |
| 707.5 | 141500 | DFT-s OFDM QPSK | 15 | 25.5 | 23.98 | -0.17 | Right Cheek | 0 | 36 | 22 | 1:1 | 1 | 0.106 | 1.419 | 0.150 | - |
| 707.5 | 141500 | DFT-s OFDM QPSK | 15 | 25.5 | 23.92 | 0.11 | Right Tilt | 0 | 1 | 1 | 1:1 | 1 | 0.047 | 1.439 | 0.068 | - |
| 707.5 | 141500 | DFT-s OFDM QPSK | 15 | 25.5 | 23.98 | -0.12 | Right Tilt | 0 | 36 | 22 | 1:1 | 1 | 0.046 | 1.419 | 0.065 | - |
| 707.5 | 141500 | CP QPSK | 15 | 24.0 | 22.53 | -0.12 | Right Cheek | 1.5 | 1 | 1 | 1:1 | 1 | 0.061 | 1.403 | 0.086 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | | | | |

NR Band n25 Head SAR- Ant. A

| Frequency | | Modulation | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|--------|-----------------|------------|---------------|-------------|-------------|--|------|---------|-----------|------------|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | (Mhz) | (dBm) | (dBm) | (dB) | | (dB) | (dB) | | | | | (W/kg) | | |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 24.5 | 23.87 | -0.13 | Left Cheek | 0 | 1 | 108 | 1:1 | 115 | 0.132 | 1.156 | 0.153 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 24.5 | 24.08 | -0.12 | Left Cheek | 0 | 108 | 54 | 1:1 | 115 | 0.155 | 1.102 | 0.171 | 24 |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 24.5 | 23.87 | 0.16 | Left Tilt | 0 | 1 | 108 | 1:1 | 115 | 0.081 | 1.156 | 0.094 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 24.5 | 24.08 | 0.01 | Left Tilt | 0 | 108 | 54 | 1:1 | 115 | 0.121 | 1.102 | 0.133 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 24.5 | 23.87 | 0.17 | Right Cheek | 0 | 1 | 108 | 1:1 | 115 | 0.076 | 1.156 | 0.088 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 24.5 | 24.08 | -0.18 | Right Cheek | 0 | 108 | 54 | 1:1 | 115 | 0.084 | 1.102 | 0.093 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 24.5 | 23.87 | 0.15 | Right Tilt | 0 | 1 | 108 | 1:1 | 115 | 0.069 | 1.156 | 0.080 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 24.5 | 24.08 | 0.10 | Right Tilt | 0 | 108 | 54 | 1:1 | 115 | 0.081 | 1.102 | 0.089 | - |
| 1 882.5 | 376500 | CP QPSK | 40 | 23.0 | 22.35 | -0.13 | Left Cheek | 1.5 | 1 | 1 | 1:1 | 115 | 0.086 | 1.161 | 0.100 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | | | | |

NR Band n30 Head SAR- Ant. B

| Frequency | | Modulation | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|--------|-----------------|------------|---------------|-------------|-------------|--|------|---------|-----------|------------|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | (Mhz) | (dBm) | (dBm) | (dB) | | (dB) | (dB) | | | | | (W/kg) | | |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 24.5 | 22.79 | -0.14 | Left Cheek | 0 | 1 | 26 | 1:1 | | 0.098 | 1.483 | 0.145 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 24.5 | 23.06 | 0.13 | Left Cheek | 0 | 25 | 14 | 1:1 | | 0.100 | 1.393 | 0.139 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 24.5 | 22.79 | 0.15 | Left Tilt | 0 | 1 | 26 | 1:1 | | 0.042 | 1.483 | 0.062 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 24.5 | 23.06 | 0.12 | Left Tilt | 0 | 25 | 14 | 1:1 | | 0.049 | 1.393 | 0.068 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 24.5 | 22.79 | 0.16 | Right Cheek | 0 | 1 | 26 | 1:1 | | 0.086 | 1.483 | 0.128 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 24.5 | 23.06 | 0.16 | Right Cheek | 0 | 25 | 14 | 1:1 | | 0.107 | 1.393 | 0.149 | 25 |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 24.5 | 22.79 | -0.09 | Right Tilt | 0 | 1 | 26 | 1:1 | | 0.065 | 1.483 | 0.096 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 24.5 | 23.06 | 0.13 | Right Tilt | 0 | 25 | 14 | 1:1 | | 0.069 | 1.393 | 0.096 | - |
| 2 310 | 462000 | CP QPSK | 10 | 23.0 | 21.26 | 0.17 | Right Cheek | 1.5 | 1 | 1 | 1:1 | | 0.075 | 1.493 | 0.112 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | | | | |

| NR Band n41 Head SAR – Power class 3 - Ant. B | | | | | | | | | | | | | | | | |
|--|--------|-----------------|------------|---------------|-------------|-------------|--|-----|---------|-----------|------------|------------|-----------|----------------|--------------|----------|
| Frequency | | Modulation | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
| Mhz | Ch. | | | | | | | | | | | | | | | |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 25.0 | 23.73 | -0.08 | Left Cheek | 0 | 1 | 137 | 1:1 | | 0.054 | 1.340 | 0.072 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 25.0 | 23.50 | 0.18 | Left Cheek | 0 | 135 | 69 | 1:1 | | 0.051 | 1.413 | 0.072 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 25.0 | 23.73 | 0.07 | Left Tilt | 0 | 1 | 137 | 1:1 | | 0.035 | 1.340 | 0.047 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 25.0 | 23.50 | 0.15 | Left Tilt | 0 | 135 | 69 | 1:1 | | 0.031 | 1.413 | 0.044 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 25.0 | 23.73 | -0.10 | Right Cheek | 0 | 1 | 137 | 1:1 | | 0.043 | 1.340 | 0.058 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 25.0 | 23.50 | 0.01 | Right Cheek | 0 | 135 | 69 | 1:1 | | 0.041 | 1.413 | 0.058 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 25.0 | 23.73 | -0.14 | Right Tilt | 0 | 1 | 137 | 1:1 | | 0.054 | 1.340 | 0.072 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 25.0 | 23.50 | 0.14 | Right Tilt | 0 | 135 | 69 | 1:1 | | 0.054 | 1.413 | 0.076 | 26 |
| 2592.99 | 518598 | CP QPSK | 100 | 23.5 | 21.59 | -0.13 | Right Tilt | 1.5 | 1 | 1 | 1:1 | | 0.029 | 1.552 | 0.045 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | | | | |

| NR Band n41 Head SAR – Power class 2 - Ant. B | | | | | | | | | | | | | | | | |
|--|--------|-----------------|------------|---------------|-------------|-------------|--|-----|---------|-----------|------------|------------|-----------|----------------|--------------|----------|
| Frequency | | Modulation | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
| Mhz | Ch. | | | | | | | | | | | | | | | |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 27.0 | 25.81 | -0.11 | Left Cheek | 0 | 1 | 137 | 1:1 | | 0.081 | 1.315 | 0.107 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 27.0 | 25.79 | 0.10 | Left Cheek | 0 | 135 | 69 | 1:1 | | 0.086 | 1.321 | 0.114 | 27 |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 27.0 | 25.81 | 0.14 | Left Tilt | 0 | 1 | 137 | 1:1 | | 0.045 | 1.315 | 0.059 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 27.0 | 25.79 | 0.11 | Left Tilt | 0 | 135 | 69 | 1:1 | | 0.044 | 1.321 | 0.058 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 27.0 | 25.81 | -0.16 | Right Cheek | 0 | 1 | 137 | 1:1 | | 0.047 | 1.315 | 0.062 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 27.0 | 25.79 | 0.10 | Right Cheek | 0 | 135 | 69 | 1:1 | | 0.037 | 1.321 | 0.049 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 27.0 | 25.81 | -0.19 | Right Tilt | 0 | 1 | 137 | 1:1 | | 0.073 | 1.315 | 0.096 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 27.0 | 25.79 | -0.15 | Right Tilt | 0 | 135 | 69 | 1:1 | | 0.069 | 1.321 | 0.091 | - |
| 2592.99 | 518598 | CP QPSK | 100 | 25.5 | 24.14 | -0.17 | Left Cheek | 1.5 | 1 | 1 | 1:1 | | 0.047 | 1.368 | 0.064 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | | | | |

| NR Band n66 Head SAR- Ant. A | | | | | | | | | | | | | | | | |
|--|--------|-----------------|------------|---------------|-------------|-------------|--|-----|---------|-----------|------------|------------|-----------|----------------|--------------|----------|
| Frequency | | Modulation | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
| Mhz | Ch. | | | | | | | | | | | | | | | |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 24.5 | 24.00 | 0.16 | Left Cheek | 0 | 1 | 108 | 1:1 | 51 | 0.091 | 1.122 | 0.102 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 24.5 | 24.25 | 0.05 | Left Cheek | 0 | 108 | 54 | 1:1 | 51 | 0.098 | 1.059 | 0.104 | 28 |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 24.5 | 24.00 | -0.11 | Left Tilt | 0 | 1 | 108 | 1:1 | 51 | 0.039 | 1.122 | 0.044 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 24.5 | 24.25 | 0.11 | Left Tilt | 0 | 108 | 54 | 1:1 | 51 | 0.038 | 1.059 | 0.040 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 24.5 | 24.00 | -0.05 | Right Cheek | 0 | 1 | 108 | 1:1 | 51 | 0.047 | 1.122 | 0.053 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 24.5 | 24.25 | 0.19 | Right Cheek | 0 | 108 | 54 | 1:1 | 51 | 0.051 | 1.059 | 0.054 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 24.5 | 24.00 | -0.06 | Right Tilt | 0 | 1 | 108 | 1:1 | 51 | 0.051 | 1.122 | 0.057 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 24.5 | 24.25 | -0.15 | Right Tilt | 0 | 108 | 54 | 1:1 | 51 | 0.049 | 1.059 | 0.052 | - |
| 1 745 | 349000 | CP QPSK | 40 | 23.0 | 22.48 | -0.11 | Left Cheek | 1.5 | 1 | 1 | 1:1 | 51 | 0.062 | 1.127 | 0.070 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | | | | |

NR Band n71 Head SAR- Ant. A

| Frequency | | Modulation | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|--------|-----------------|------------|---------------|-------------|-------------|--|-----|---------|-----------|------------|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | |
| 680.5 | 136100 | DFT-s OFDM QPSK | 20 | 25.5 | 24.35 | 0.15 | Left Cheek | 0 | 1 | 1 | 1:1 | 1 | 0.067 | 1.303 | 0.088 | - |
| 680.5 | 136100 | DFT-s OFDM QPSK | 20 | 25.5 | 24.33 | 0.02 | Left Cheek | 0 | 50 | 28 | 1:1 | 1 | 0.061 | 1.309 | 0.079 | - |
| 680.5 | 136100 | DFT-s OFDM QPSK | 20 | 25.5 | 24.35 | 0.19 | Left Tilt | 0 | 1 | 1 | 1:1 | 1 | 0.046 | 1.303 | 0.060 | - |
| 680.5 | 136100 | DFT-s OFDM QPSK | 20 | 25.5 | 24.33 | 0.19 | Left Tilt | 0 | 50 | 28 | 1:1 | 1 | 0.043 | 1.309 | 0.056 | - |
| 680.5 | 136100 | DFT-s OFDM QPSK | 20 | 25.5 | 24.35 | 0.19 | Right Cheek | 0 | 1 | 1 | 1:1 | 1 | 0.085 | 1.303 | 0.111 | 29 |
| 680.5 | 136100 | DFT-s OFDM QPSK | 20 | 25.5 | 24.33 | 0.03 | Right Cheek | 0 | 50 | 28 | 1:1 | 1 | 0.074 | 1.309 | 0.097 | - |
| 680.5 | 136100 | DFT-s OFDM QPSK | 20 | 25.5 | 24.35 | -0.13 | Right Tilt | 0 | 1 | 1 | 1:1 | 1 | 0.050 | 1.303 | 0.065 | - |
| 680.5 | 136100 | DFT-s OFDM QPSK | 20 | 25.5 | 24.33 | -0.15 | Right Tilt | 0 | 50 | 28 | 1:1 | 1 | 0.057 | 1.309 | 0.074 | - |
| 680.5 | 136100 | CP QPSK | 20 | 24.0 | 23.02 | 0.01 | Right Cheek | 1.5 | 1 | 1 | 1:1 | 1 | 0.060 | 1.253 | 0.075 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | | | | |

NR Band n77 Head SAR- Power class 3- Ant. H (RCV-ON)

| Frequency | | Modulation | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|--------|-----------------|------------|---------------|-------------|-------------|--|-----|---------|-----------|------------|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | |
| 3930 | 652000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.69 | -0.11 | Left Cheek | 0 | 1 | 137 | 1:1 | | 0.079 | 1.074 | 0.085 | - |
| 3840 | 656000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.73 | -0.02 | Left Cheek | 0 | 135 | 138 | 1:1 | | 0.068 | 1.064 | 0.072 | - |
| 3930 | 652000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.69 | 0.11 | Left Tilt | 0 | 1 | 137 | 1:1 | | 0.080 | 1.074 | 0.086 | - |
| 3840 | 656000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.73 | 0.16 | Left Tilt | 0 | 135 | 138 | 1:1 | | 0.069 | 1.064 | 0.073 | - |
| 3750 | 650000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.35 | 0.16 | Right Cheek | 0 | 1 | 137 | 1:1 | | 0.661 | 1.161 | 0.767 | 30 |
| 3840 | 656000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.49 | 0.13 | Right Cheek | 0 | 1 | 271 | 1:1 | | 0.544 | 1.125 | 0.612 | - |
| 3930 | 652000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.69 | -0.13 | Right Cheek | 0 | 1 | 137 | 1:1 | | 0.526 | 1.074 | 0.565 | - |
| 3750 | 650000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.11 | -0.03 | Right Cheek | 0 | 135 | 138 | 1:1 | | 0.514 | 1.227 | 0.631 | - |
| 3840 | 656000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.73 | 0.11 | Right Cheek | 0 | 135 | 138 | 1:1 | | 0.500 | 1.064 | 0.532 | - |
| 3930 | 652000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.71 | -0.08 | Right Cheek | 0 | 135 | 138 | 1:1 | | 0.550 | 1.069 | 0.588 | - |
| 3930 | 652000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.63 | -0.01 | Right Cheek | 0 | 270 | 0 | 1:1 | | 0.591 | 1.089 | 0.644 | - |
| 3750 | 650000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.35 | -0.18 | Right Tilt | 0 | 1 | 137 | 1:1 | | 0.426 | 1.161 | 0.495 | - |
| 3840 | 656000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.49 | -0.10 | Right Tilt | 0 | 1 | 271 | 1:1 | | 0.325 | 1.125 | 0.366 | - |
| 3930 | 652000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.69 | 0.06 | Right Tilt | 0 | 1 | 137 | 1:1 | | 0.395 | 1.074 | 0.424 | - |
| 3750 | 650000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.11 | -0.10 | Right Tilt | 0 | 135 | 138 | 1:1 | | 0.395 | 1.227 | 0.485 | - |
| 3840 | 656000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.73 | 0.17 | Right Tilt | 0 | 135 | 138 | 1:1 | | 0.396 | 1.064 | 0.421 | - |
| 3930 | 652000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.71 | -0.01 | Right Tilt | 0 | 135 | 138 | 1:1 | | 0.404 | 1.069 | 0.432 | - |
| 3930 | 652000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.63 | 0.12 | Right Tilt | 0 | 270 | 0 | 1:1 | | 0.470 | 1.089 | 0.512 | - |
| 3930 | 652000 | CP QPSK | 100 | 22.0 | 21.33 | -0.16 | Right Cheek | 0 | 1 | 1 | 1:1 | | 0.482 | 1.167 | 0.562 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | | | | |

* Power reduction condition during Receiver_ON

NR Band n77 Head SAR- Power class 2- Ant. H (RCV-ON)

| Frequency | | Modulation | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|--------|-----------------|------------|---------------|-------------|-------------|--|-----|---------|-----------|------------|------------|--------------|----------------|--------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | |
| 3930 | 652000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.55 | -0.10 | Left Cheek | 0 | 1 | 137 | 1:1 | | 0.132 | 1.109 | 0.146 | - |
| 3930 | 652000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.55 | -0.14 | Left Cheek | 0 | 135 | 69 | 1:1 | | 0.129 | 1.109 | 0.143 | - |
| 3930 | 652000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.55 | 0.14 | Left Tilt | 0 | 1 | 137 | 1:1 | | 0.135 | 1.109 | 0.150 | - |
| 3930 | 652000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.55 | 0.11 | Left Tilt | 0 | 135 | 69 | 1:1 | | 0.128 | 1.109 | 0.142 | - |
| 3750 | 650000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.16 | -0.18 | Right Cheek | 0 | 1 | 137 | 1:1 | | 0.509 | 1.213 | 0.617 | - |
| 3840 | 656000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.38 | -0.15 | Right Cheek | 0 | 1 | 271 | 1:1 | | 0.393 | 1.153 | 0.453 | - |
| 3930 | 652000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.55 | 0.18 | Right Cheek | 0 | 1 | 137 | 1:1 | | 0.561 | 1.109 | 0.622 | 31 |
| 3750 | 650000 | DFT-s OFDM QPSK | 100 | 22.0 | 20.96 | -0.14 | Right Cheek | 0 | 135 | 138 | 1:1 | | 0.509 | 1.271 | 0.647 | 32 |
| 3840 | 656000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.54 | -0.18 | Right Cheek | 0 | 135 | 138 | 1:1 | | 0.427 | 1.112 | 0.475 | - |
| 3930 | 652000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.55 | -0.15 | Right Cheek | 0 | 135 | 69 | 1:1 | | 0.488 | 1.109 | 0.541 | - |
| 3930 | 652000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.47 | 0.02 | Right Cheek | 0 | 270 | 0 | 1:1 | | 0.479 | 1.130 | 0.541 | - |
| 3750 | 650000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.16 | -0.16 | Right Tilt | 0 | 1 | 137 | 1:1 | | 0.347 | 1.213 | 0.421 | - |
| 3840 | 656000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.38 | 0.01 | Right Tilt | 0 | 1 | 271 | 1:1 | | 0.321 | 1.153 | 0.370 | - |
| 3930 | 652000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.55 | 0.06 | Right Tilt | 0 | 1 | 137 | 1:1 | | 0.471 | 1.109 | 0.522 | - |
| 3750 | 650000 | DFT-s OFDM QPSK | 100 | 22.0 | 20.96 | 0.16 | Right Tilt | 0 | 135 | 138 | 1:1 | | 0.451 | 1.271 | 0.573 | - |
| 3840 | 656000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.54 | -0.17 | Right Tilt | 0 | 135 | 138 | 1:1 | | 0.423 | 1.112 | 0.470 | - |
| 3930 | 652000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.55 | -0.11 | Right Tilt | 0 | 135 | 69 | 1:1 | | 0.421 | 1.109 | 0.467 | - |
| 3930 | 652000 | DFT-s OFDM QPSK | 100 | 22.0 | 21.47 | -0.08 | Right Tilt | 0 | 270 | 0 | 1:1 | | 0.462 | 1.130 | 0.522 | - |
| 3930 | 652000 | CP QPSK | 100 | 22.0 | 21.25 | -0.13 | Right Cheek | 0 | 1 | 1 | 1:1 | | 0.446 | 1.189 | 0.530 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | | | | |

* Power reduction condition during Receiver_ON

DTS Head SAR 1g – RCV-ON

| Frequency | | Mode | Band width (MHz) | Data Rate (Mbps) | Tune-Up Limit (dBm) | Meas. Power (dBm) | Power Drift (dB) | Test Position | Ant. Config. | Duty Cycle | Area Scan Peak SAR (W/kg) | Meas. SAR (W/kg) | Scaling Factor | Scaling Factor (Duty) | Scaled SAR (W/kg) | Plot No. |
|---|-----|---------|------------------|------------------|---------------------|-------------------|------------------|---------------|--------------|--|---------------------------|------------------|----------------|-----------------------|-------------------|----------|
| MHz | Ch. | | | | | | | | | | | | | | | |
| 2 437 | 6 | 802.11b | 20 | 1 | 13 | 12.83 | -0.18 | Left Cheek | Ant1 | 99.0 | 0.293 | 0.180 | 1.040 | 1.010 | 0.189 | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 13 | 12.83 | 0.01 | Left Tilt | Ant1 | 99.0 | 0.394 | 0.296 | 1.040 | 1.010 | 0.311 | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 13 | 12.83 | -0.02 | Right Cheek | Ant1 | 99.0 | 0.418 | 0.222 | 1.040 | 1.010 | 0.233 | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 13 | 12.83 | -0.03 | Right Tilt | Ant1 | 99.0 | 0.452 | 0.256 | 1.040 | 1.010 | 0.269 | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 13 | 12.48 | -0.12 | Left Cheek | Ant2 | 99.0 | 0.0396 | 0.012 | 1.127 | 1.010 | 0.014 | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 13 | 12.48 | 0.19 | Left Tilt | Ant2 | 99.0 | 0.0066 | 0.00408 | 1.127 | 1.010 | 0.005 | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 13 | 12.48 | -0.18 | Right Cheek | Ant2 | 99.0 | 0.155 | 0.080 | 1.127 | 1.010 | 0.091 | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 13 | 12.48 | -0.12 | Right Tilt | Ant2 | 99.0 | 0.0346 | 0.017 | 1.127 | 1.010 | 0.019 | - |
| 2 462 | 11 | 802.11g | 20 | 6 | 16 | 15.60 | -0.07 | Left Cheek | MIMO | 93.6 | 0.373 | 0.22 | 1.135 | 1.068 | 0.267 | - |
| 2 462 | 11 | 802.11g | 20 | 6 | 16 | 15.60 | -0.17 | Left Tilt | MIMO | 93.6 | 0.447 | 0.278 | 1.135 | 1.068 | 0.337 | - |
| 2 462 | 11 | 802.11g | 20 | 6 | 16 | 15.60 | -0.14 | Right Cheek | MIMO | 93.6 | 0.614 | 0.307 | 1.135 | 1.068 | 0.372 | 33 |
| 2 462 | 11 | 802.11g | 20 | 6 | 16 | 15.60 | 0.03 | Right Tilt | MIMO | 93.6 | 0.550 | 0.309 | 1.135 | 1.068 | 0.375 | 34 |
| ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | |

* Head condition and Head condition during simultaneous conditions with mmWave and/or 5G Sub 6

* Since the result of the above mode was the worst case condition than the RSBD mode, it was applied to the simultaneous transmission evaluation of the WLAN RSDB mode.

| NII Head SAR RCV-ON / mmWave/ RSDB RCV-ON | | | | | | | | | | | | | | | | |
|--|-----|----------|------------|-----------|---------------|-------------|-------------|--|-------------|------------|--------------------|--------------|----------------|----------------|--------------|----------|
| Frequency | | Mode | Band width | Data Rate | Tune-Up Limit | Meas. Power | Power Drift | Test Position | Ant Config. | Duty Cycle | Area Scan Peak SAR | Meas. SAR | Scaling Factor | Scaling Factor | Scaled SAR | Plot No. |
| Mhz | Ch. | | | | | | | | | | | | | | | |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 11 | 10.32 | 0.13 | Left Cheek | Ant1 | 86.05 | 0.238 | 0.057 | 1.169 | 1.162 | 0.077 | - |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 11 | 10.32 | -0.09 | Left Tilt | Ant1 | 86.05 | 0.13 | 0.052 | 1.169 | 1.162 | 0.071 | - |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 11 | 10.32 | -0.10 | Right Check | Ant1 | 86.05 | 0.602 | 0.204 | 1.169 | 1.162 | 0.277 | 35 |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 11 | 10.32 | -0.06 | Right Tilt | Ant1 | 86.05 | 0.429 | 0.144 | 1.169 | 1.162 | 0.196 | - |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 11 | 9.07 | -0.16 | Left Cheek | Ant2 | 86.05 | 0.0976 | 0.011 | 1.560 | 1.162 | 0.020 | - |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 11 | 9.07 | 0.01 | Left Tilt | Ant2 | 86.05 | 0.0455 | 0.00435 | 1.560 | 1.162 | 0.008 | - |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 11 | 9.07 | 0.19 | Right Check | Ant2 | 86.05 | 0.539 | 0.150 | 1.560 | 1.162 | 0.272 | - |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 11 | 9.07 | 0.17 | Right Tilt | Ant2 | 86.05 | 0.0882 | 0.017 | 1.560 | 1.162 | 0.031 | - |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 14 | 12.75 | -0.05 | Left Cheek | MIMO | 86.05 | 0.114 | 0.026 | 1.560 | 1.162 | 0.047 | - |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 14 | 12.75 | -0.18 | Left Tilt | MIMO | 86.05 | 0.0851 | 0.026 | 1.560 | 1.162 | 0.047 | - |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 14 | 12.75 | -0.19 | Right Check | MIMO | 86.05 | 0.454 | 0.121 | 1.560 | 1.162 | 0.219 | - |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 14 | 12.75 | 0.14 | Right Tilt | MIMO | 86.05 | 0.266 | 0.085 | 1.560 | 1.162 | 0.154 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 11 | 10.98 | -0.05 | Left Cheek | Ant1 | 86.05 | 0.138 | 0.043 | 1.005 | 1.162 | 0.050 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 11 | 10.98 | 0.12 | Left Tilt | Ant1 | 86.05 | 0.192 | 0.045 | 1.005 | 1.162 | 0.053 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 11 | 10.98 | -0.15 | Right Cheek | Ant1 | 86.05 | 0.821 | 0.206 | 1.005 | 1.162 | 0.241 | 36 |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 11 | 10.98 | -0.09 | Right Tilt | Ant1 | 86.05 | 0.386 | 0.148 | 1.005 | 1.162 | 0.173 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 11 | 9.86 | 0.01 | Left Cheek | Ant2 | 86.05 | 0.0375 | 0.00999 | 1.300 | 1.162 | 0.015 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 11 | 9.86 | 0.00 | Left Tilt | Ant2 | 86.05 | 0.000 | 0.000003 | 1.300 | 1.162 | 0.000 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 11 | 9.86 | -0.09 | Right Cheek | Ant2 | 86.05 | 0.507 | 0.098 | 1.300 | 1.162 | 0.148 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 11 | 9.86 | -0.10 | Right Tilt | Ant2 | 86.05 | 0.0289 | 0.00871 | 1.300 | 1.162 | 0.013 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 14 | 13.47 | -0.01 | Left Cheek | MIMO | 86.05 | 0.380 | 0.044 | 1.300 | 1.162 | 0.066 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 14 | 13.47 | 0.12 | Left Tilt | MIMO | 86.05 | 0.0863 | 0.020 | 1.300 | 1.162 | 0.030 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 14 | 13.47 | -0.17 | Right Cheek | MIMO | 86.05 | 0.466 | 0.145 | 1.300 | 1.162 | 0.219 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 14 | 13.47 | -0.12 | Right Tilt | MIMO | 86.05 | 0.367 | 0.131 | 1.300 | 1.162 | 0.198 | - |
| 5 775 | 155 | 802.11ac | 80 | MCS0 | 11 | 10.55 | -0.11 | Left Cheek | Ant1 | 86.05 | 0.344 | 0.053 | 1.109 | 1.162 | 0.068 | - |
| 5 775 | 155 | 802.11ac | 80 | MCS0 | 11 | 10.55 | 0.18 | Left Tilt | Ant1 | 86.05 | 0.197 | 0.056 | 1.109 | 1.162 | 0.072 | - |
| 5 775 | 155 | 802.11ac | 80 | MCS0 | 11 | 10.55 | -0.15 | Right Cheek | Ant1 | 86.05 | 0.312 | 0.084 | 1.109 | 1.162 | 0.108 | - |
| 5 775 | 155 | 802.11ac | 80 | MCS0 | 11 | 10.55 | 0.08 | Right Tilt | Ant1 | 86.05 | 0.399 | 0.136 | 1.109 | 1.162 | 0.175 | - |
| 5 775 | 155 | 802.11ac | 80 | MCS0 | 11 | 10.41 | -0.10 | Left Cheek | Ant2 | 86.05 | 0.0253 | 0.00904 | 1.146 | 1.162 | 0.012 | - |
| 5 775 | 155 | 802.11ac | 80 | MCS0 | 11 | 10.41 | 0.01 | Left Tilt | Ant2 | 86.05 | 0.0136 | 0.000 | 1.146 | 1.162 | 0.000 | - |
| 5 775 | 155 | 802.11ac | 80 | MCS0 | 11 | 10.41 | 0.15 | Right Cheek | Ant2 | 86.05 | 0.180 | 0.048 | 1.146 | 1.162 | 0.064 | - |
| 5 775 | 155 | 802.11ac | 80 | MCS0 | 11 | 10.41 | 0.00 | Right Tilt | Ant2 | 86.05 | 0.125 | 0.029 | 1.146 | 1.162 | 0.039 | - |
| 5 775 | 155 | 802.11ac | 80 | MCS0 | 14 | 13.49 | -0.10 | Left Cheek | MIMO | 86.05 | 0.155 | 0.025 | 1.146 | 1.162 | 0.033 | - |
| 5 775 | 155 | 802.11ac | 80 | MCS0 | 14 | 13.49 | -0.16 | Left Tilt | MIMO | 86.05 | 0.173 | 0.043 | 1.146 | 1.162 | 0.057 | - |
| 5 775 | 155 | 802.11ac | 80 | MCS0 | 14 | 13.49 | 0.11 | Right Cheek | MIMO | 86.05 | 0.655 | 0.156 | 1.146 | 1.162 | 0.208 | - |
| 5 775 | 155 | 802.11ac | 80 | MCS0 | 14 | 13.49 | 0.03 | Right Tilt | MIMO | 86.05 | 0.323 | 0.129 | 1.146 | 1.162 | 0.172 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Head 1.6 W/kg Averaged over 1 gram | | | | | | | | |

* Head condition during simultaneous conditions with 2.4GHz WLAN

* Head condition during simultaneous conditions with mmWave and/or 2.4 GHz WLAN.

| DSS Head SAR | | | | | | | | | | | |
|--|-----|---------------|---------------|-------------|-------------|---|-----------|----------------|----------------|--------------|----------|
| Frequency | | Mode | Tune-Up Limit | Meas. Power | Power Drift | Test Position | Meas. SAR | Scaling Factor | Scaling Factor | Scaled SAR | Plot No. |
| Mhz | Ch. | | (dBm) | (dBm) | (dB) | | (W/kg) | | (Duty) | (W/kg) | |
| 2 480 | 78 | Bluetooth DH5 | 14.5 | 13.91 | -0.12 | Left Cheek | 0.230 | 1.146 | 1.300 | 0.343 | - |
| 2 480 | 78 | Bluetooth DH5 | 14.5 | 13.91 | 0.04 | Left Tilt | 0.309 | 1.146 | 1.300 | 0.460 | 37 |
| 2 480 | 78 | Bluetooth DH5 | 14.5 | 13.91 | -0.01 | Right Cheek | 0.223 | 1.146 | 1.300 | 0.332 | - |
| 2 480 | 78 | Bluetooth DH5 | 14.5 | 13.91 | 0.06 | Right Tilt | 0.297 | 1.146 | 1.300 | 0.442 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | Head 1.6 W/kg (mW/g) Averaged over 1 gram | | | | | |

13.2 Body-worn SAR Measurement Results (DSI = 0)

CDMA Body-Worn

| CDMA/GSM/ UMTS Body-Worn SAR- Ant. A | | | | | | | | | | | | | | |
|--|------|-----------|----------------|---------------|-------------|-------------|--|------------|------------|----------|--------------|----------------|--------------|----------|
| Frequency | | Mode | | Tune-Up Limit | Meas. Power | Power Drift | Test Position | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
| Mhz | Ch. | | | (dB) | (dB) | (dB) | | | | | (mm) | | (W/kg) | |
| 836.52 | 384 | CDMA BC0 | TDSO RC32/SO55 | 25.0 | 24.83 | 0.16 | Rear | 1:1 | 111 | 15 | 0.367 | 1.040 | 0.382 | 38 |
| 836.52 | 384 | CDMA BC0 | TDSO RC32/SO55 | 25.0 | 24.83 | -0.01 | Front | 1:1 | 111 | 15 | 0.290 | 1.040 | 0.302 | - |
| 836.52 | 384 | CDMA BC0 | EVDO Rev. A | 25.0 | 24.06 | 0.04 | Rear | 1:1 | 111 | 15 | 0.304 | 1.242 | 0.378 | - |
| 836.52 | 384 | CDMA BC0 | EVDO Rev. A | 25.0 | 24.06 | -0.19 | Front | 1:1 | 111 | 15 | 0.240 | 1.242 | 0.298 | - |
| 1 851.25 | 25 | PCS CDMA | TDSO RC32/SO55 | 24.5 | 22.71 | 0.02 | Rear | 1:1 | 115 | 15 | 0.599 | 1.510 | 0.904 | 39 |
| 1 880.0 | 600 | PCS CDMA | TDSO RC32/SO55 | 24.5 | 23.31 | 0.02 | Rear | 1:1 | 115 | 15 | 0.629 | 1.315 | 0.827 | - |
| 1 908.75 | 1175 | PCS CDMA | TDSO RC32/SO55 | 24.5 | 23.37 | -0.04 | Rear | 1:1 | 115 | 15 | 0.678 | 1.297 | 0.879 | 40 |
| 1 908.75 | 1175 | PCS CDMA | TDSO RC32/SO55 | 24.5 | 23.37 | -0.08 | Front | 1:1 | 115 | 15 | 0.529 | 1.297 | 0.686 | - |
| 1 851.25 | 25 | PCS CDMA | EVDO Rev. A | 24.5 | 22.69 | 0.02 | Rear | 1:1 | 115 | 15 | 0.534 | 1.517 | 0.810 | - |
| 1 880.0 | 600 | PCS CDMA | EVDO Rev. A | 24.5 | 23.36 | -0.06 | Rear | 1:1 | 115 | 15 | 0.554 | 1.300 | 0.720 | - |
| 1 908.75 | 1175 | PCS CDMA | EVDO Rev. A | 24.5 | 23.41 | -0.04 | Rear | 1:1 | 115 | 15 | 0.629 | 1.285 | 0.808 | - |
| 1 908.75 | 1175 | PCS CDMA | EVDO Rev. A | 24.5 | 23.41 | -0.04 | Front | 1:1 | 115 | 15 | 0.603 | 1.285 | 0.775 | - |
| 820 | 560 | CDMA BC10 | TDSO RC32/SO55 | 25.0 | 24.77 | -0.02 | Rear | 1:1 | 111 | 15 | 0.295 | 1.054 | 0.311 | - |
| 820 | 560 | CDMA BC10 | TDSO RC32/SO55 | 25.0 | 24.77 | -0.02 | Front | 1:1 | 111 | 15 | 0.296 | 1.054 | 0.312 | 41 |
| 820 | 560 | CDMA BC10 | EVDO Rev.A | 25.0 | 24.01 | 0.03 | Rear | 1:1 | 111 | 15 | 0.277 | 1.256 | 0.348 | 42 |
| 820 | 560 | CDMA BC10 | EVDO Rev.A | 25.0 | 24.01 | -0.02 | Front | 1:1 | 111 | 15 | 0.233 | 1.256 | 0.293 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | |

GSM/ UMTS Body-Worn

| CDMA/GSM/ UMTS Body-Worn SAR- Ant. A | | | | | | | | | | | | | | |
|--|------|-------------------|---------------|-------------|-------------|---------------|--|------------|----------|-----------|----------------|--------------|--------------|----|
| Frequency | | Mode | Tune-Up Limit | Meas. Power | Power Drift | Test Position | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. | |
| Mhz | Ch. | | (dB) | (dB) | (dB) | | | | (mm) | (W/kg) | | (W/kg) | | |
| 836.6 | 190 | GSM 850 Voice | 33.5 | 32.56 | 0.02 | Rear | 1:8.3 | 1 | 15 | 0.212 | 1.242 | 0.263 | - | |
| 836.6 | 190 | GSM 850 Voice | 33.5 | 32.56 | 0.16 | Front | 1:8.3 | 1 | 15 | 0.283 | 1.242 | 0.351 | - | |
| 836.6 | 190 | GSM 850 GPRS 2Tx | 32.0 | 31.96 | -0.04 | Rear | 1:4.15 | 1 | 15 | 0.355 | 1.009 | 0.358 | 43 | |
| 836.6 | 190 | GSM 850 GPRS 2Tx | 32.0 | 31.96 | -0.13 | Front | 1:4.15 | 1 | 15 | 0.340 | 1.009 | 0.343 | - | |
| 1 880 | 661 | GSM 1900 Voice | 30.5 | 29.71 | 0.04 | Rear | 1:8.3 | 115 | 15 | 0.302 | 1.199 | 0.362 | - | |
| 1 880 | 661 | GSM 1900 Voice | 30.5 | 29.71 | 0.12 | Front | 1:8.3 | 115 | 15 | 0.286 | 1.199 | 0.343 | - | |
| 1 880 | 661 | GSM 1900 GPRS 3Tx | 28.0 | 27.56 | -0.13 | Rear | 1:2.77 | 115 | 15 | 0.432 | 1.107 | 0.478 | 44 | |
| 1 880 | 661 | GSM 1900 GPRS 3Tx | 28.0 | 27.56 | 0.15 | Front | 1:2.77 | 115 | 15 | 0.380 | 1.107 | 0.421 | - | |
| 836.6 | 4183 | UMTS 850 | RMC | 25.0 | 24.16 | 0.02 | Rear | 1:1 | 1 | 15 | 0.197 | 1.213 | 0.239 | - |
| 836.6 | 4183 | UMTS 850 | RMC | 25.0 | 24.16 | 0.04 | Front | 1:1 | 1 | 15 | 0.220 | 1.213 | 0.267 | 45 |
| 1 712.4 | 1312 | UMTS 1700 | RMC | 24.5 | 23.74 | 0.11 | Rear | 1:1 | 51 | 15 | 0.676 | 1.191 | 0.805 | - |
| 1 732.4 | 1412 | UMTS 1700 | RMC | 24.5 | 23.77 | 0.14 | Rear | 1:1 | 51 | 15 | 0.686 | 1.183 | 0.812 | - |
| 1 752.8 | 1513 | UMTS 1700 | RMC | 24.5 | 23.91 | -0.10 | Rear | 1:1 | 51 | 15 | 0.781 | 1.146 | 0.895 | 46 |
| 1 732.4 | 1412 | UMTS 1700 | RMC | 24.5 | 23.77 | 0.02 | Front | 1:1 | 51 | 15 | 0.652 | 1.183 | 0.771 | - |
| 1 880 | 9400 | UMTS 1900 | RMC | 24.5 | 24.31 | 0.10 | Rear | 1:1 | 113 | 15 | 0.621 | 1.045 | 0.649 | - |
| 1 880 | 9400 | UMTS 1900 | RMC | 24.5 | 24.31 | -0.13 | Front | 1:1 | 113 | 15 | 0.658 | 1.045 | 0.688 | 47 |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | |

LTE Body-Worn

LTE Body-Worn SAR

| Frequency | | Mode | Band width (MHz) | Tune-Up Limit (dBm) | Meas. Power (dBm) | Power Drift (dB) | Test Position | MPR (dB) | RB Size | RB offset | Duty Cycle | Ant. State | Distance (mm) | Meas. SAR (W/kg) | Scaling Factor | Scaled SAR (W/kg) | Plot No. |
|--|--------|---------------------------|------------------|---------------------|-------------------|------------------|---------------|----------|---------|-----------|------------|------------------------------------|---------------|------------------|----------------|-------------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | | |
| 2 560 | 21350 | LTE 7 QPSK Ant.B | 20 | 24.5 | 23.82 | -0.13 | Rear | 0 | 1 | 99 | 1:1 | | 15 | 0.504 | 1.169 | 0.589 | 48 |
| 2 560 | 21350 | | 20 | 23.5 | 22.77 | -0.10 | Rear | 1 | 50 | 25 | 1:1 | | 15 | 0.372 | 1.183 | 0.440 | - |
| 2 560 | 21350 | | 20 | 24.5 | 23.82 | 0.05 | Front | 0 | 1 | 99 | 1:1 | | 15 | 0.430 | 1.169 | 0.503 | - |
| 2 560 | 21350 | | 20 | 23.5 | 22.77 | 0.09 | Front | 1 | 50 | 25 | 1:1 | | 15 | 0.362 | 1.183 | 0.428 | - |
| 707.5 | 23095 | LTE 12 QPSK Ant.A | 10 | 25.5 | 23.99 | -0.05 | Rear | 0 | 1 | 0 | 1:1 | 4 | 15 | 0.186 | 1.416 | 0.263 | 49 |
| 707.5 | 23095 | | 10 | 24.5 | 22.96 | -0.02 | Rear | 1 | 25 | 12 | 1:1 | 4 | 15 | 0.169 | 1.426 | 0.241 | - |
| 707.5 | 23095 | | 10 | 25.5 | 23.99 | -0.01 | Front | 0 | 1 | 0 | 1:1 | 4 | 15 | 0.172 | 1.416 | 0.244 | 50 |
| 707.5 | 23095 | | 10 | 24.5 | 22.96 | -0.03 | Front | 1 | 25 | 12 | 1:1 | 4 | 15 | 0.152 | 1.426 | 0.217 | - |
| 782 | 23230 | LTE 13 QPSK Ant.A | 10 | 25.5 | 23.89 | -0.05 | Rear | 0 | 1 | 24 | 1:1 | 1 | 15 | 0.227 | 1.449 | 0.329 | 51 |
| 782 | 23230 | | 10 | 24.5 | 22.98 | -0.04 | Rear | 1 | 25 | 0 | 1:1 | 1 | 15 | 0.180 | 1.419 | 0.255 | - |
| 782 | 23230 | | 10 | 25.5 | 23.89 | -0.07 | Front | 0 | 1 | 24 | 1:1 | 1 | 15 | 0.222 | 1.449 | 0.322 | - |
| 782 | 23230 | | 10 | 24.5 | 22.98 | -0.10 | Front | 1 | 25 | 0 | 1:1 | 1 | 15 | 0.185 | 1.419 | 0.263 | - |
| 793 | 23330 | LTE 14 QPSK Ant.A | 10 | 25.5 | 24.70 | -0.04 | Rear | 0 | 1 | 0 | 1:1 | 4 | 15 | 0.245 | 1.202 | 0.294 | - |
| 793 | 23330 | | 10 | 24.5 | 23.42 | 0.01 | Rear | 1 | 25 | 12 | 1:1 | 4 | 15 | 0.205 | 1.282 | 0.263 | - |
| 793 | 23330 | | 10 | 25.5 | 24.70 | 0.01 | Front | 0 | 1 | 0 | 1:1 | 4 | 15 | 0.272 | 1.202 | 0.327 | 52 |
| 793 | 23330 | | 10 | 24.5 | 23.42 | -0.05 | Front | 1 | 25 | 12 | 1:1 | 4 | 15 | 0.222 | 1.282 | 0.285 | - |
| 1 882.5 | 26365 | LTE 25 QPSK Ant.A | 20 | 25.0 | 24.61 | -0.16 | Rear | 0 | 1 | 0 | 1:1 | 115 | 15 | 0.612 | 1.094 | 0.670 | - |
| 1 882.5 | 26365 | | 20 | 24.0 | 23.71 | -0.15 | Rear | 1 | 50 | 25 | 1:1 | 115 | 15 | 0.529 | 1.069 | 0.566 | - |
| 1 882.5 | 26365 | | 20 | 25.0 | 24.61 | -0.12 | Front | 0 | 1 | 0 | 1:1 | 115 | 15 | 0.614 | 1.094 | 0.672 | 53 |
| 1 882.5 | 26365 | | 20 | 24.0 | 23.71 | -0.10 | Front | 1 | 50 | 25 | 1:1 | 115 | 15 | 0.524 | 1.069 | 0.560 | - |
| 2 310 | 27710 | LTE 30 QPSK Ant.B | 10 | 23.0 | 22.31 | 0.10 | Rear | 0 | 1 | 24 | 1:1 | | 15 | 0.581 | 1.172 | 0.681 | - |
| 2 310 | 27710 | | 10 | 22.0 | 21.39 | 0.15 | Rear | 1 | 25 | 0 | 1:1 | | 15 | 0.443 | 1.151 | 0.510 | - |
| 2 310 | 27710 | | 10 | 23.0 | 22.31 | -0.08 | Front | 0 | 1 | 24 | 1:1 | | 15 | 0.621 | 1.172 | 0.728 | 54 |
| 2 310 | 27710 | | 10 | 22.0 | 21.39 | -0.09 | Front | 1 | 25 | 0 | 1:1 | | 15 | 0.498 | 1.151 | 0.573 | - |
| 2 310 | 38750 | LTE 40 QPSK (Low) Ant.B | 10 | 14.0 | 13.43 | 0.12 | Rear | 0 | 1 | 24 | 1:1.58 | | 15 | 0.037 | 1.140 | 0.042 | - |
| 2 310 | 38750 | | 10 | 14.0 | 13.59 | -0.11 | Rear | 0 | 25 | 12 | 1:1.58 | | 15 | 0.029 | 1.099 | 0.032 | - |
| 2 310 | 38750 | | 10 | 14.0 | 13.43 | 0.01 | Front | 0 | 1 | 24 | 1:1.58 | | 15 | 0.039 | 1.140 | 0.044 | 55 |
| 2 310 | 38750 | | 10 | 14.0 | 13.59 | -0.01 | Front | 0 | 25 | 12 | 1:1.58 | | 15 | 0.027 | 1.099 | 0.030 | - |
| 2 535 | 39200 | LTE 40 QPSK (Upper) Ant.B | 10 | 14.0 | 13.42 | -0.10 | Rear | 0 | 1 | 24 | 1:1.58 | | 15 | 0.038 | 1.143 | 0.043 | - |
| 2 535 | 39200 | | 10 | 14.0 | 13.59 | -0.10 | Rear | 0 | 25 | 12 | 1:1.58 | | 15 | 0.040 | 1.099 | 0.044 | 56 |
| 2 535 | 39200 | | 10 | 14.0 | 13.42 | -0.10 | Front | 0 | 1 | 24 | 1:1.58 | | 15 | 0.000 | 1.099 | 0.000 | - |
| 2 535 | 39200 | | 10 | 14.0 | 13.59 | 0.00 | Front | 0 | 25 | 12 | 1:1.58 | | 15 | 0.000 | 1.099 | 0.000 | - |
| 680.5 | 133297 | LTE 71 QPSK Ant.A | 20 | 25.5 | 24.35 | -0.07 | Rear | 0 | 1 | 0 | 1:1 | 4 | 15 | 0.169 | 1.303 | 0.220 | 57 |
| 680.5 | 133297 | | 20 | 24.5 | 23.43 | -0.05 | Rear | 1 | 50 | 0 | 1:1 | 4 | 15 | 0.138 | 1.279 | 0.177 | - |
| 680.5 | 133297 | | 20 | 25.5 | 24.35 | 0.01 | Front | 0 | 1 | 0 | 1:1 | 4 | 15 | 0.143 | 1.303 | 0.186 | - |
| 680.5 | 133297 | | 20 | 24.5 | 23.43 | 0.01 | Front | 1 | 50 | 0 | 1:1 | 4 | 15 | 0.121 | 1.279 | 0.155 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | |

LTE Body-Worn

| LTE Body-Worn SAR | | | | | | | | | | | | | | | | | | |
|--|-----------|--------|-------------------------|------------------|---------------------|-------------------|------------------|---------------|--|---------|-----------|------------|------------|---------------|------------------|----------------|-------------------|----------|
| Component CA | Frequency | | Mode | Band width (MHz) | Tune-Up Limit (dBm) | Meas. Power (dBm) | Power Drift (dB) | Test Position | MPR (dB) | RB Size | RB offset | Duty Cycle | Ant. State | Distance (mm) | Meas. SAR (W/kg) | Scaling Factor | Scaled SAR (W/kg) | Plot No. |
| | MHz | Ch. | | | | | | | | | | | | | | | | |
| | 831.5 | 26865 | Ant.A LTE 26 QPSK | 15 | 25.5 | 24.02 | 0.11 | Rear | 0 | 1 | 0 | 1:1 | 4 | 15 | 0.242 | 1.406 | 0.340 | - |
| | 831.5 | 26865 | | 15 | 24.5 | 23.16 | 0.01 | Rear | 1 | 36 | 39 | 1:1 | 4 | 15 | 0.233 | 1.361 | 0.317 | - |
| | 831.5 | 26865 | | 15 | 25.5 | 24.02 | -0.06 | Front | 0 | 1 | 0 | 1:1 | 4 | 15 | 0.210 | 1.406 | 0.295 | - |
| | 831.5 | 26865 | | 15 | 24.5 | 23.16 | -0.04 | Front | 1 | 36 | 39 | 1:1 | 4 | 15 | 0.164 | 1.361 | 0.223 | - |
| LTE Band 5 Up-link Carrier Aggregation (5B) | | | | | | | | | | | | | | | | | | |
| PCC | 836.5 | 20525 | LTE 5 QPSK | 10 | 25.5 | 24.31 | -0.03 | Rear | 0 | 1 | 49 | 1:1 | 4 | 15 | 0.373 | 1.315 | 0.490 | 58 |
| SCC | 843.7 | 20597 | | 5 | | | | | | 1 | 0 | | | | | | | |
| Power class 3 | | | | | | | | | | | | | | | | | | |
| | 2 593 | 40620 | Ant.B LTE 41 QPSK | 20 | 25.5 | 24.79 | 0.11 | Rear | 0 | 1 | 99 | 1:1.58 | | 15 | 0.217 | 1.178 | 0.256 | - |
| | 2 593 | 40620 | | 20 | 24.5 | 24.18 | 0.04 | Rear | 1 | 50 | 25 | 1:1.58 | | 15 | 0.170 | 1.076 | 0.183 | - |
| | 2 593 | 40620 | | 20 | 25.5 | 24.79 | 0.12 | Front | 0 | 1 | 99 | 1:1.58 | | 15 | 0.256 | 1.178 | 0.302 | - |
| | 2 593 | 40620 | | 20 | 24.5 | 24.18 | 0.10 | Front | 1 | 50 | 25 | 1:1.58 | | 15 | 0.203 | 1.076 | 0.218 | - |
| Power class 2 (HPUE) | | | | | | | | | | | | | | | | | | |
| | 2 593 | 40620 | QPSK | 20 | 27.0 | 26.55 | 0.13 | Front | 0 | 1 | 99 | 1:2.31 | | 15 | 0.270 | 1.109 | 0.299 | - |
| Up-link Carrier Aggregation Power class 3 (41C) | | | | | | | | | | | | | | | | | | |
| PCC | 2 506 | 39750 | QPSK | 20 | 25.5 | 24.75 | 0.13 | Front | 0 | 1 | 99 | 1:1.58 | | 15 | 0.294 | 1.189 | 0.350 | 59 |
| SCC | 2612.8 | 40818 | | 20 | | | | | | 1 | 0 | | | | | | | |
| Up-link Carrier Aggregation Power class 2 (HPUE) (41C) | | | | | | | | | | | | | | | | | | |
| PCC | 2 506 | 39750 | QPSK | 20 | 27.0 | 26.53 | 0.15 | Front | 0 | 1 | 99 | 1:2.31 | | 15 | 0.300 | 1.114 | 0.334 | 60 |
| SCC | 2612.8 | 40818 | | 20 | | | | | | 1 | 0 | | | | | | | |
| | 3 560 | 55340 | Ant.H LTE 48 QPSK | 20 | 24.0 | 23.80 | -0.16 | Rear | 0 | 1 | 99 | 1:1.58 | | 15 | 0.167 | 1.047 | 0.175 | 61 |
| | 3 560 | 55340 | | 20 | 23.0 | 22.97 | 0.12 | Rear | 1 | 50 | 49 | 1:1.58 | | 15 | 0.137 | 1.007 | 0.138 | - |
| | 3 560 | 55340 | | 20 | 24.0 | 23.80 | 0.02 | Front | 0 | 1 | 99 | 1:1.58 | | 15 | 0.156 | 1.047 | 0.163 | - |
| | 3 560 | 55340 | | 20 | 23.0 | 22.97 | 0.04 | Front | 1 | 50 | 49 | 1:1.58 | | 15 | 0.129 | 1.007 | 0.130 | - |
| Up-link Carrier Aggregation (48C) | | | | | | | | | | | | | | | | | | |
| PCC | 3 560 | 55340 | QPSK | 20 | 24.0 | 23.75 | -0.11 | Rear | 0 | 1 | 99 | 1:1.58 | | 15 | 0.072 | 1.059 | 0.076 | - |
| SCC | 3 670.2 | 56442 | | 20 | | | | | | 1 | 0 | | | | | | | |
| | 1 770 | 132572 | Ant.A LTE 66 QPSK | 20 | 24.5 | 24.01 | -0.12 | Rear | 0 | 1 | 0 | 1:1 | 51 | 15 | 0.412 | 1.119 | 0.461 | 62 |
| | 1 745 | 132322 | | 20 | 23.5 | 23.05 | -0.06 | Rear | 1 | 50 | 49 | 1:1 | 51 | 15 | 0.300 | 1.109 | 0.333 | - |
| | 1 770 | 132572 | | 20 | 24.5 | 24.01 | -0.06 | Front | 0 | 1 | 0 | 1:1 | 51 | 15 | 0.412 | 1.119 | 0.461 | - |
| | 1 745 | 132322 | | 20 | 23.5 | 23.05 | -0.06 | Front | 1 | 50 | 49 | 1:1 | 51 | 15 | 0.294 | 1.109 | 0.326 | - |
| Up-link Carrier Aggregation (66B) | | | | | | | | | | | | | | | | | | |
| PCC | 1 745 | 132322 | QPSK | 10 | 24.5 | 23.91 | -0.19 | Rear | 0 | 1 | 0 | 1:1 | 51 | 15 | 0.402 | 1.146 | 0.461 | - |
| SCC | 1 735.1 | 132223 | | 10 | | | | | | 1 | 49 | | | | | | | |
| Up-link Carrier Aggregation (66C) | | | | | | | | | | | | | | | | | | |
| PCC | 1 770 | 132572 | QPSK | 20 | 24.5 | 23.91 | -0.05 | Rear | 0 | 1 | 0 | 1:1 | 51 | 15 | 0.379 | 1.146 | 0.434 | - |
| SCC | 1750.2 | 132374 | | 20 | | | | | | 1 | 99 | | | | | | | |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | |

NR Band Body-Worn

| NR Body-Worn SAR | | | | | | | | | | | | | | | | | |
|---|--------|---|------------|---------------|-------------|-------------|--|------|---------|-----------|------------|------------|----------|--------------|----------------|--------------|----------|
| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
| Mhz | Ch. | | (Mhz) | (dBm) | (dBm) | (dB) | | (dB) | (mm) | (W/kg) | | | (W/kg) | | | | |
| 836.5 | 167300 | Ant.A NR n5 DFT-s OFDM QPSK CP QPSK | 20 | 25.5 | 23.80 | 0.01 | Rear | 0 | 1 | 53 | 1:1 | 4 | 15 | 0.209 | 1.479 | 0.309 | 63 |
| 836.5 | 167300 | | 20 | 25.5 | 24.07 | 0.07 | Rear | 0 | 50 | 28 | 1:1 | 4 | 15 | 0.151 | 1.390 | 0.210 | - |
| 836.5 | 167300 | | 20 | 25.5 | 23.80 | 0.12 | Front | 0 | 1 | 53 | 1:1 | 4 | 15 | 0.197 | 1.479 | 0.291 | - |
| 836.5 | 167300 | | 20 | 25.5 | 24.07 | -0.04 | Front | 0 | 50 | 28 | 1:1 | 4 | 15 | 0.160 | 1.390 | 0.222 | - |
| 836.5 | 167300 | | 20 | 24.0 | 22.25 | -0.10 | Rear | 1.5 | 1 | 1 | 1:1 | 4 | 15 | 0.136 | 1.496 | 0.204 | - |
| 707.5 | 141500 | Ant.A NR n12 DFT-s OFDM QPSK CP QPSK | 15 | 25.5 | 23.92 | -0.02 | Rear | 0 | 1 | 1 | 1:1 | 1 | 15 | 0.172 | 1.439 | 0.248 | 64 |
| 707.5 | 141500 | | 15 | 25.5 | 23.98 | -0.09 | Rear | 0 | 36 | 22 | 1:1 | 1 | 15 | 0.154 | 1.419 | 0.218 | - |
| 707.5 | 141500 | | 15 | 25.5 | 23.92 | -0.11 | Front | 0 | 1 | 1 | 1:1 | 1 | 15 | 0.144 | 1.439 | 0.207 | - |
| 707.5 | 141500 | | 15 | 25.5 | 23.98 | 0.09 | Front | 0 | 36 | 22 | 1:1 | 1 | 15 | 0.139 | 1.419 | 0.198 | - |
| 707.5 | 141500 | | 15 | 24.0 | 22.53 | -0.17 | Rear | 1.5 | 1 | 1 | 1:1 | 1 | 15 | 0.097 | 1.403 | 0.136 | - |
| 1 882.5 | 376500 | Ant.A NR n25 DFT-s OFDM QPSK CP QPSK | 40 | 24.5 | 23.87 | 0.18 | Rear | 0 | 1 | 108 | 1:1 | 115 | 15 | 0.488 | 1.156 | 0.564 | 65 |
| 1 882.5 | 376500 | | 40 | 24.5 | 24.08 | -0.19 | Rear | 0 | 108 | 54 | 1:1 | 115 | 15 | 0.509 | 1.102 | 0.561 | 66 |
| 1 882.5 | 376500 | | 40 | 24.5 | 23.87 | 0.17 | Front | 0 | 1 | 108 | 1:1 | 115 | 15 | 0.366 | 1.156 | 0.423 | - |
| 1 882.5 | 376500 | | 40 | 24.5 | 24.08 | -0.07 | Front | 0 | 108 | 54 | 1:1 | 115 | 15 | 0.381 | 1.102 | 0.420 | - |
| 1 882.5 | 376500 | | 40 | 23.0 | 22.35 | -0.17 | Rear | 1.5 | 1 | 1 | 1:1 | 115 | 15 | 0.195 | 1.161 | 0.226 | - |
| 2 310 | 462000 | Ant.B NR n30 DFT-s OFDM QPSK CP QPSK | 10 | 24.5 | 22.79 | 0.16 | Rear | 0 | 1 | 26 | 1:1 | | 15 | 0.563 | 1.483 | 0.835 | 67 |
| 2 310 | 462000 | | 10 | 24.5 | 23.06 | 0.15 | Rear | 0 | 25 | 14 | 1:1 | | 15 | 0.527 | 1.393 | 0.734 | - |
| 2 310 | 462000 | | 10 | 23.5 | 21.96 | 0.01 | Rear | 0 | 50 | 0 | 1:1 | | 15 | 0.515 | 1.426 | 0.734 | - |
| 2 310 | 462000 | | 10 | 24.5 | 22.79 | 0.08 | Front | 0 | 1 | 26 | 1:1 | | 15 | 0.505 | 1.483 | 0.749 | - |
| 2 310 | 462000 | | 10 | 24.5 | 23.06 | 0.16 | Front | 0 | 25 | 14 | 1:1 | | 15 | 0.526 | 1.393 | 0.733 | - |
| 2 310 | 462000 | | 10 | 23.0 | 21.26 | 0.18 | Rear | 1.5 | 1 | 1 | 1:1 | | 15 | 0.381 | 1.493 | 0.569 | - |
| 2 592.99 | 518598 | Ant.B NR n41(PC3) DFT-s OFDM QPSK CP QPSK | 100 | 25.0 | 23.73 | -0.19 | Rear | 0 | 1 | 137 | 1:1 | | 15 | 0.188 | 1.340 | 0.252 | - |
| 2 592.99 | 518598 | | 100 | 25.0 | 23.50 | 0.10 | Rear | 0 | 135 | 69 | 1:1 | | 15 | 0.174 | 1.413 | 0.246 | - |
| 2 592.99 | 518598 | | 100 | 25.0 | 23.73 | 0.11 | Front | 0 | 1 | 137 | 1:1 | | 15 | 0.190 | 1.340 | 0.255 | - |
| 2 592.99 | 518598 | | 100 | 25.0 | 23.50 | 0.11 | Front | 0 | 135 | 69 | 1:1 | | 15 | 0.193 | 1.413 | 0.273 | 68 |
| 2 592.99 | 518598 | | 100 | 23.5 | 21.59 | -0.14 | Front | 1.5 | 1 | 1 | 1:1 | | 15 | 0.079 | 1.552 | 0.123 | - |
| 2592.99 | 518598 | Ant.B NR n41(PC2) DFT-s OFDM QPSK CP QPSK | 100 | 27.0 | 25.81 | 0.13 | Rear | 0 | 1 | 137 | 1:1 | | 15 | 0.245 | 1.315 | 0.322 | - |
| 2592.99 | 518598 | | 100 | 27.0 | 25.79 | -0.17 | Rear | 0 | 135 | 69 | 1:1 | | 15 | 0.267 | 1.321 | 0.353 | - |
| 2592.99 | 518598 | | 100 | 27.0 | 25.81 | 0.10 | Front | 0 | 1 | 137 | 1:1 | | 15 | 0.279 | 1.315 | 0.367 | - |
| 2592.99 | 518598 | | 100 | 27.0 | 25.79 | 0.11 | Front | 0 | 135 | 69 | 1:1 | | 15 | 0.294 | 1.321 | 0.388 | 69 |
| 2592.99 | 518598 | | 100 | 25.5 | 24.14 | -0.10 | Front | 1.5 | 1 | 1 | 1:1 | | 15 | 0.145 | 1.368 | 0.198 | - |
| ANSI/ IEEE C95.1 –2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | | |

NR Band Body-Worn

| NR Body-Worn SAR | | | | | | | | | | | | | | | | | |
|---|--------|---|------------------|---------------------|-------------------|------------------|--|----------|---------|-----------|------------|------------|---------------|------------------|----------------|-------------------|----------|
| Frequency | | Mode | Band width (MHz) | Tune-Up Limit (dBm) | Meas. Power (dBm) | Power Drift (dB) | Test Position | MPR (dB) | RB Size | RB offset | Duty Cycle | Ant. State | Distance (mm) | Meas. SAR (W/kg) | Scaling Factor | Scaled SAR (W/kg) | Plot No. |
| Mhz | Ch. | | | | | | | | | | | | | | | | |
| 1 745 | 349000 | Ant.A NR n66 DFT-s OFDM QPSK CP QPSK | 40 | 24.5 | 24.00 | 0.01 | Rear | 0 | 1 | 108 | 1:1 | 51 | 15 | 0.458 | 1.122 | 0.514 | - |
| 1 745 | 349000 | | 40 | 24.5 | 24.25 | 0.10 | Rear | 0 | 108 | 54 | 1:1 | 51 | 15 | 0.592 | 1.059 | 0.627 | 70 |
| 1 745 | 349000 | | 40 | 24.5 | 24.00 | 0.14 | Front | 0 | 1 | 108 | 1:1 | 51 | 15 | 0.421 | 1.122 | 0.472 | - |
| 1 745 | 349000 | | 40 | 24.5 | 24.25 | -0.14 | Front | 0 | 108 | 54 | 1:1 | 51 | 15 | 0.533 | 1.059 | 0.564 | - |
| 1 745 | 349000 | | 40 | 23.0 | 22.48 | -0.01 | Rear | 1.5 | 1 | 1 | 1:1 | 51 | 15 | 0.408 | 1.127 | 0.460 | - |
| 680.5 | 136100 | Ant.A NR n71 DFT-s OFDM QPSK CP QPSK | 20 | 25.5 | 24.35 | -0.01 | Rear | 0 | 1 | 1 | 1:1 | 1 | 15 | 0.149 | 1.303 | 0.194 | 71 |
| 680.5 | 136100 | | 20 | 25.5 | 24.33 | -0.05 | Rear | 0 | 50 | 28 | 1:1 | 1 | 15 | 0.144 | 1.309 | 0.188 | - |
| 680.5 | 136100 | | 20 | 25.5 | 24.35 | -0.03 | Front | 0 | 1 | 1 | 1:1 | 1 | 15 | 0.132 | 1.303 | 0.171 | - |
| 680.5 | 136100 | | 20 | 25.5 | 24.33 | 0.03 | Front | 0 | 50 | 28 | 1:1 | 1 | 15 | 0.129 | 1.309 | 0.169 | - |
| 680.5 | 136100 | | 20 | 24.0 | 23.02 | -0.15 | Front | 1.5 | 1 | 1 | 1:1 | 1 | 15 | 0.088 | 1.253 | 0.110 | - |
| 3930 | 662000 | Ant.H NR n77 DFT-s OFDM QPSK (PC3) CP QPSK | 100 | 25.0 | 24.02 | 0.03 | Rear | 0 | 1 | 137 | 1:1 | | 15 | 0.085 | 1.253 | 0.107 | - |
| 3930 | 662000 | | 100 | 25.0 | 24.04 | -0.10 | Rear | 0 | 135 | 69 | 1:1 | | 15 | 0.070 | 1.247 | 0.087 | - |
| 3930 | 662000 | | 100 | 25.0 | 24.02 | -0.07 | Front | 0 | 1 | 137 | 1:1 | | 15 | 0.089 | 1.253 | 0.112 | 72 |
| 3930 | 662000 | | 100 | 25.0 | 24.04 | -0.14 | Front | 0 | 135 | 69 | 1:1 | | 15 | 0.083 | 1.247 | 0.104 | - |
| 3930 | 662000 | | 100 | 23.5 | 22.28 | 0.01 | Rear | 1.5 | 1 | 1 | 1:1 | | 15 | 0.027 | 1.324 | 0.036 | - |
| 3930 | 662000 | Ant.H NR n77 DFT-s OFDM QPSK (PC2) CP QPSK | 100 | 27.5 | 26.52 | -0.18 | Rear | 0 | 1 | 137 | 1:1 | | 15 | 0.128 | 1.253 | 0.160 | - |
| 3930 | 662000 | | 100 | 27.5 | 26.54 | 0.14 | Rear | 0 | 135 | 69 | 1:1 | | 15 | 0.122 | 1.247 | 0.152 | - |
| 3930 | 662000 | | 100 | 27.5 | 26.52 | 0.07 | Front | 0 | 1 | 137 | 1:1 | | 15 | 0.138 | 1.253 | 0.173 | 73 |
| 3930 | 662000 | | 100 | 27.5 | 26.54 | 0.15 | Front | 0 | 135 | 69 | 1:1 | | 15 | 0.126 | 1.247 | 0.157 | - |
| 3930 | 662000 | | 100 | 26.0 | 24.93 | 0.10 | Front | 1.5 | 1 | 1 | 1:1 | | 15 | 0.100 | 1.279 | 0.128 | - |
| ANSI/ IEEE C95.1 –2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | | |

DTS Body-Worn SAR

| Frequency | | Mode | Band width (MHz) | Data Rate (Mbps) | Tune-Up Limit (dBm) | Meas. Power (dBm) | Power Drift (dB) | Test Position | Ant. Config. | Duty Cycle | Distance (mm) | Area Scan Peak SAR (W/kg) | Meas. SAR (W/kg) | Scaling Factor | Scaling Factor (Duty) | Scaled SAR (W/kg) | Plot No. |
|--|-----|---------|------------------|------------------|---------------------|-------------------|------------------|---------------|--------------|------------|--|---------------------------|------------------|----------------|-----------------------|-------------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | | |
| 2 437 | 6 | 802.11b | 20 | 1 | 20 | 19.30 | -0.01 | Rear | Ant1 | 99.0 | 15 | 0.288 | 0.191 | 1.175 | 1.010 | 0.227 | 74 |
| 2 437 | 6 | 802.11b | 20 | 1 | 20 | 19.30 | | Front | Ant1 | 99.0 | 15 | 0.222 | | 1.175 | 1.010 | | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 20 | 18.69 | 0.19 | Rear | Ant2 | 99.0 | 15 | 0.0579 | 0.035 | 1.352 | 1.010 | 0.048 | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 20 | 18.69 | | Front | Ant2 | 99.0 | 15 | 0.0481 | | 1.352 | 1.010 | | - |
| 2 412 | 1 | 802.11g | 20 | 6 | 20 | 19.69 | 0.10 | Rear | MIMO | 93.6 | 15 | 0.153 | 0.100 | 1.119 | 1.068 | 0.120 | - |
| 2 412 | 1 | 802.11g | 20 | 6 | 20 | 19.69 | | Front | MIMO | 93.6 | 15 | 0.119 | | 1.119 | 1.068 | | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | |

DTS Body-Worn SAR 1g – mmWave/5G Sub 6

| Frequency | | Mode | Band width (MHz) | Data Rate (Mbps) | Tune-Up Limit (dBm) | Meas. Power (dBm) | Power Drift (dB) | Test Position | Ant. Config. | Sensor | Duty Cycle | Distance (mm) | Area Scan Peak SAR (W/kg) | Meas. SAR (W/kg) | Scaling Factor | Scaling Factor (Duty) | Scaled SAR (W/kg) | Plot No. |
|--|-----|---------|------------------|------------------|---------------------|-------------------|------------------|---------------|--------------|--------|--|---------------|---------------------------|------------------|----------------|-----------------------|-------------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | | | |
| 2 437 | 6 | 802.11b | 20 | 1 | 14 | 13.26 | 0.07 | Rear | Ant1 | Active | 99.0 | 15 | 0.135 | 0.087 | 1.186 | 1.010 | 0.104 | 75 |
| 2 437 | 6 | 802.11b | 20 | 1 | 14 | 13.26 | | Front | Ant1 | Active | 99.0 | 15 | 0.104 | | 1.186 | 1.010 | | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 14 | 13.38 | 0.18 | Rear | Ant2 | Active | 99.0 | 15 | 0.0148 | 0.00917 | 1.153 | 1.010 | 0.011 | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 14 | 13.38 | | Front | Ant2 | Active | 99.0 | 15 | 0.0138 | | 1.153 | 1.010 | | - |
| 2 462 | 11 | 802.11g | 20 | 6 | 17 | 16.49 | 0.08 | Rear | MIMO | Active | 93.6 | 15 | 0.117 | 0.073 | 1.130 | 1.068 | 0.009 | - |
| 2 462 | 11 | 802.11g | 20 | 6 | 17 | 16.49 | | Front | MIMO | Active | 93.6 | 15 | 0.097 | | 1.130 | 1.068 | | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | |

* Reduction condition during simultaneous conditions with 5 GHz WLAN

* Reduction condition during simultaneous conditions with mmWave and/or 5 GHz WLAN

* Since the result of the above mode was the worst case condition than the RSBD mode, it was applied to the simultaneous transmission evaluation of the WLAN RSDB mode.

| NII Body-Worn SAR | | | | | | | | | | | | | | | | | |
|--|-----|---------|------------------|------------------|---------------------|-------------------|------------------|---------------|--------------|------------|---------------|--|------------------|----------------|-----------------------|-------------------|----------|
| Frequency | | Mode | Band width (MHz) | Data Rate (Mbps) | Tune-Up Limit (dBm) | Meas. Power (dBm) | Power Drift (dB) | Test Position | Ant. Config. | Duty Cycle | Distance (mm) | Area Scan Peak SAR (W/kg) | Meas. SAR (W/kg) | Scaling Factor | Scaling Factor (Duty) | Scaled SAR (W/kg) | Plot No. |
| MHz | Ch. | | | | | | | | | | | | | | | | |
| 5 320 | 64 | 802.11a | 20 | 6 | 18 | 17.88 | -0.14 | Rear | Ant1 | 93.6 | 15 | 0.349 | 0.158 | 1.028 | 1.068 | 0.173 | - |
| 5 320 | 64 | 802.11a | 20 | 6 | 18 | 17.88 | 0.17 | Front | Ant1 | 93.6 | 15 | 0.196 | 0.085 | 1.028 | 1.068 | 0.093 | - |
| 5 720 | 144 | 802.11a | 20 | 6 | 18 | 17.92 | 0.12 | Rear | Ant1 | 93.6 | 15 | 0.597 | 0.261 | 1.019 | 1.068 | 0.284 | 76 |
| 5 720 | 144 | 802.11a | 20 | 6 | 18 | 17.92 | 0.19 | Front | Ant1 | 93.6 | 15 | 0.233 | 0.094 | 1.019 | 1.068 | 0.102 | - |
| 5 745 | 149 | 802.11a | 20 | 6 | 18 | 17.69 | -0.15 | Rear | Ant1 | 93.6 | 15 | 0.558 | 0.241 | 1.074 | 1.068 | 0.276 | - |
| 5 745 | 149 | 802.11a | 20 | 6 | 18 | 17.69 | -0.11 | Front | Ant1 | 93.6 | 15 | 0.239 | 0.100 | 1.074 | 1.068 | 0.115 | - |
| 5 300 | 60 | 802.11a | 20 | 6 | 18 | 17.09 | 0.17 | Rear | Ant2 | 93.6 | 15 | 0.187 | 0.080 | 1.233 | 1.068 | 0.105 | - |
| 5 300 | 60 | 802.11a | 20 | 6 | 18 | 17.09 | 0.01 | Front | Ant2 | 93.6 | 15 | 0.099 | 0.037 | 1.233 | 1.068 | 0.049 | - |
| 5 720 | 144 | 802.11a | 20 | 6 | 18 | 17.47 | 0.10 | Rear | Ant2 | 93.6 | 15 | 0.124 | 0.049 | 1.130 | 1.068 | 0.059 | - |
| 5 720 | 144 | 802.11a | 20 | 6 | 18 | 17.47 | 0.13 | Front | Ant2 | 93.6 | 15 | 0.215 | 0.096 | 1.130 | 1.068 | 0.116 | - |
| 5 745 | 149 | 802.11a | 20 | 6 | 18 | 17.84 | -0.10 | Rear | Ant2 | 93.6 | 15 | 0.0888 | 0.016 | 1.038 | 1.068 | 0.018 | - |
| 5 745 | 149 | 802.11a | 20 | 6 | 18 | 17.84 | 0.01 | Front | Ant2 | 93.6 | 15 | 0.0526 | 0.014 | 1.038 | 1.068 | 0.016 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | |

| NII Body-Worn SAR 1g with mmWave - RSDB | | | | | | | | | | | | | | | | | |
|--|-----|----------|------------------|------------------|---------------------|-------------------|------------------|---------------|--------------|------------|---------------|--|------------------|----------------|-----------------------|-------------------|----------|
| Frequency | | Mode | Band width (MHz) | Data Rate (Mbps) | Tune-Up Limit (dBm) | Meas. Power (dBm) | Power Drift (dB) | Test Position | Ant. Config. | Duty Cycle | Distance (mm) | Area Scan Peak SAR (W/kg) | Meas. SAR (W/kg) | Scaling Factor | Scaling Factor (Duty) | Scaled SAR (W/kg) | Plot No. |
| MHz | Ch. | | | | | | | | | | | | | | | | |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 11 | 10.32 | -0.13 | Rear | Ant1 | 86.05 | 15 | 0.133 | 0.060 | 1.169 | 1.162 | 0.082 | - |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 11 | 10.32 | -0.17 | Front | Ant1 | 86.05 | 15 | 0.0689 | 0.025 | 1.169 | 1.162 | 0.034 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 11 | 10.98 | 0.19 | Rear | Ant1 | 86.05 | 15 | 0.135 | 0.050 | 1.005 | 1.162 | 0.058 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 11 | 10.98 | 0.01 | Front | Ant1 | 86.05 | 15 | 0.106 | 0.023 | 1.005 | 1.162 | 0.027 | - |
| 5 775 | 155 | 802.11ac | 80 | MCS0 | 11 | 10.55 | -0.04 | Rear | Ant1 | 86.05 | 15 | 0.199 | 0.085 | 1.109 | 1.162 | 0.110 | 77 |
| 5 775 | 155 | 802.11ac | 80 | MCS0 | 11 | 10.55 | 0.10 | Front | Ant1 | 86.05 | 15 | 0.0758 | 0.025 | 1.109 | 1.162 | 0.032 | - |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 11 | 9.07 | 0.12 | Rear | Ant2 | 86.05 | 15 | 0.0237 | 0.019 | 1.560 | 1.162 | 0.034 | - |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 11 | 9.07 | -0.10 | Front | Ant2 | 86.05 | 15 | 0.027 | 0.00805 | 1.560 | 1.162 | 0.015 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 11 | 9.86 | 0.10 | Rear | Ant2 | 86.05 | 15 | 0.060 | 0.015 | 1.300 | 1.162 | 0.023 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 11 | 9.86 | 0.01 | Front | Ant2 | 86.05 | 15 | 0.0831 | 0.0092 | 1.300 | 1.162 | 0.014 | - |
| 5 775 | 155 | 802.11ac | 80 | MCS0 | 11 | 10.41 | 0.15 | Rear | Ant2 | 86.05 | 15 | 0.0417 | 0.011 | 1.146 | 1.162 | 0.015 | - |
| 5 775 | 155 | 802.11ac | 80 | MCS0 | 11 | 10.41 | 0.01 | Front | Ant2 | 86.05 | 15 | 0.0396 | 0.012 | 1.146 | 1.162 | 0.016 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | |

* Reduction condition during simultaneous conditions with 2.4 GHz WLAN

* Reduction condition during simultaneous conditions with mmWave and/or 2.4 GHz WLAN

| DSS Body-Worn SAR | | | | | | | | | | | | | |
|--|-----|---------------|---------------------|-------------------|------------------|---------------|---------------|--|----------------|-----------------------|-------------------|----------|--|
| Frequency | | Mode | Tune-Up Limit (dBm) | Meas. Power (dBm) | Power Drift (dB) | Test Position | Distance (mm) | Meas. SAR (W/kg) | Scaling Factor | Scaling Factor (Duty) | Scaled SAR (W/kg) | Plot No. | |
| MHz | Ch. | | | | | | | | | | | | |
| 2 480 | 78 | Bluetooth DH5 | 14.5 | 13.91 | 0.12 | Rear | 15 | 0.039 | 1.146 | 1.300 | 0.058 | 78 | |
| 2 480 | 78 | Bluetooth DH5 | 14.5 | 13.91 | -0.10 | Front | 15 | 0.024 | 1.146 | 1.300 | 0.036 | - | |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | |

13.3 Hotspot SAR Measurement Results (DSI = 3)

CDMA BC0 (§22H) Hotspot SAR- Ant. A

| Frequency | | Mode | | Tune-Up Limit | Meas. Power | Power Drift | Test Position | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-----|----------|------------|---------------|-------------|-------------|--|------------|------------|----------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | | (dB) | (dB) | (dB) | | | | (mm) | (W/kg) | | (W/kg) | |
| 836.52 | 384 | CDMA BC0 | EVDO Rev.0 | 25.0 | 24.10 | -0.02 | Rear | 1:1 | 111 | 10 | 0.641 | 1.230 | 0.788 | 79 |
| 836.52 | 384 | CDMA BC0 | EVDO Rev.0 | 25.0 | 24.10 | -0.18 | Front | 1:1 | 111 | 10 | 0.448 | 1.230 | 0.551 | - |
| 836.52 | 384 | CDMA BC0 | EVDO Rev.0 | 25.0 | 24.10 | 0.19 | Left | 1:1 | 111 | 10 | 0.062 | 1.230 | 0.076 | - |
| 836.52 | 384 | CDMA BC0 | EVDO Rev.0 | 25.0 | 24.10 | -0.14 | Right | 1:1 | 111 | 10 | 0.222 | 1.230 | 0.273 | - |
| 836.52 | 384 | CDMA BC0 | EVDO Rev.0 | 25.0 | 24.10 | 0.06 | Bottom | 1:1 | 111 | 10 | 0.293 | 1.230 | 0.360 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | |

PCS CDMA Hotspot SAR- Ant. A

| Frequency | | Mode | | Tune-Up Limit | Meas. Power | Power Drift | Test Position | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|------|----------|------------|---------------|-------------|-------------|--|------------|------------|----------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | | (dB) | (dB) | (dB) | | | | (mm) | (W/kg) | | (W/kg) | |
| 1 908.75 | 1175 | PCS CDMA | EVDO Rev.0 | 20.5 | 20.10 | -0.17 | Rear | 1:1 | 115 | 10 | 0.377 | 1.096 | 0.413 | - |
| 1 908.75 | 1175 | PCS CDMA | EVDO Rev.0 | 20.5 | 20.10 | -0.02 | Front | 1:1 | 115 | 10 | 0.383 | 1.096 | 0.420 | - |
| 1 908.75 | 1175 | PCS CDMA | EVDO Rev.0 | 20.5 | 20.10 | 0.06 | Left | 1:1 | 115 | 10 | 0.102 | 1.096 | 0.112 | - |
| 1 908.75 | 1175 | PCS CDMA | EVDO Rev.0 | 20.5 | 20.10 | 0.14 | Right | 1:1 | 115 | 10 | 0.040 | 1.096 | 0.044 | - |
| 1 851.25 | 25 | PCS CDMA | EVDO Rev.0 | 20.5 | 19.46 | 0.18 | Bottom | 1:1 | 115 | 10 | 0.755 | 1.271 | 0.960 | - |
| 1 880.0 | 600 | PCS CDMA | EVDO Rev.0 | 20.5 | 19.87 | 0.12 | Bottom | 1:1 | 115 | 10 | 0.818 | 1.156 | 0.946 | - |
| 1 908.75 | 1175 | PCS CDMA | EVDO Rev.0 | 20.5 | 20.10 | 0.18 | Bottom | 1:1 | 115 | 10 | 0.951 | 1.096 | 1.042 | 80 |
| 1 908.75 | 1175 | PCS CDMA | EVDO Rev.0 | 20.5 | 20.10 | 0.11 | Bottom | 1:1 | 115 | 10 | 0.871 | 1.096 | 0.955 | * |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | |

Note: * Data entry indicate Variability measurement.

CDMA BC10 (§90S) Hotspot SAR- Ant. A

| Frequency | | Mode | | Tune-Up Limit | Meas. Power | Power Drift | Test Position | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-----|-----------|------------|---------------|-------------|-------------|--|------------|------------|----------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | | (dB) | (dB) | (dB) | | | | (mm) | (W/kg) | | (W/kg) | |
| 820 | 560 | CDMA BC10 | EVDO Rev.0 | 25.0 | 23.95 | 0.01 | Rear | 1:1 | 111 | 10 | 0.577 | 1.274 | 0.735 | 81 |
| 820 | 560 | CDMA BC10 | EVDO Rev.0 | 25.0 | 23.95 | 0.01 | Front | 1:1 | 111 | 10 | 0.419 | 1.274 | 0.534 | - |
| 820 | 560 | CDMA BC10 | EVDO Rev.0 | 25.0 | 23.95 | 0.06 | Left | 1:1 | 111 | 10 | 0.084 | 1.274 | 0.107 | - |
| 820 | 560 | CDMA BC10 | EVDO Rev.0 | 25.0 | 23.95 | 0.03 | Right | 1:1 | 111 | 10 | 0.259 | 1.274 | 0.330 | - |
| 820 | 560 | CDMA BC10 | EVDO Rev.0 | 25.0 | 23.95 | 0.03 | Bottom | 1:1 | 111 | 10 | 0.273 | 1.274 | 0.348 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | |

GSM 850 Hotspot SAR- Ant. A

| Frequency | | Mode | Tune-Up Limit | Meas. Power | Power Drift | Test Position | Duty Cycle | Distance | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-----|----------|---------------|-------------|-------------|---------------|--|----------|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | (dB) | (dB) | (dB) | | | (mm) | | (W/kg) | | (W/kg) | |
| 836.6 | 190 | GPRS 2Tx | 32.0 | 31.96 | -0.03 | Rear | 1:4.15 | 10 | 1 | 0.693 | 1.009 | 0.699 | 82 |
| 836.6 | 190 | GPRS 2Tx | 32.0 | 31.96 | -0.04 | Front | 1:4.15 | 10 | 1 | 0.544 | 1.009 | 0.549 | - |
| 836.6 | 190 | GPRS 2Tx | 32.0 | 31.96 | 0.15 | Left | 1:4.15 | 10 | 1 | 0.124 | 1.009 | 0.125 | - |
| 836.6 | 190 | GPRS 2Tx | 32.0 | 31.96 | 0.04 | Right | 1:4.15 | 10 | 1 | 0.346 | 1.009 | 0.349 | - |
| 836.6 | 190 | GPRS 2Tx | 32.0 | 31.96 | 0.19 | Bottom | 1:4.15 | 10 | 1 | 0.405 | 1.009 | 0.409 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | |

GSM 1900 Hotspot SAR- Ant. A

| Frequency | | Mode | Tune-Up Limit | Meas. Power | Power Drift | Test Position | Duty Cycle | Distance | Ant. State | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-----|----------|---------------|-------------|-------------|---------------|--|----------|------------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | (dB) | (dB) | (dB) | | | (mm) | | (W/kg) | | (W/kg) | |
| 1 880 | 661 | GPRS 2Tx | 25.5 | 24.02 | 0.15 | Rear | 1:4.15 | 10 | 115 | 0.255 | 1.406 | 0.359 | - |
| 1 880 | 661 | GPRS 2Tx | 25.5 | 24.02 | -0.10 | Front | 1:4.15 | 10 | 115 | 0.235 | 1.406 | 0.330 | - |
| 1 880 | 661 | GPRS 2Tx | 25.5 | 24.02 | -0.14 | Left | 1:4.15 | 10 | 115 | 0.059 | 1.406 | 0.083 | - |
| 1 880 | 661 | GPRS 2Tx | 25.5 | 24.02 | -0.03 | Right | 1:4.15 | 10 | 115 | 0.041 | 1.406 | 0.058 | - |
| 1 880 | 661 | GPRS 2Tx | 25.5 | 24.02 | -0.02 | Bottom | 1:4.15 | 10 | 115 | 0.499 | 1.406 | 0.702 | 83 |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | |

UMTS 850 Hotspot SAR- Ant. A

| Frequency | | Mode | Tune-Up Limit | Meas. Power | Power Drift | Test Position | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|------|------|---------------|-------------|-------------|---------------|--|------------|----------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | (dB) | (dB) | (dB) | | | (mm) | (W/kg) | (W/kg) | | | |
| 836.6 | 4183 | RMC | 25.0 | 24.16 | 0.03 | Rear | 1:1 | 02 | 1 | 0.609 | 1.213 | 0.739 | 84 |
| 836.6 | 4183 | RMC | 25.0 | 24.16 | -0.01 | Front | 1:1 | 02 | 1 | 0.433 | 1.213 | 0.525 | - |
| 836.6 | 4183 | RMC | 25.0 | 24.16 | 0.12 | Left | 1:1 | 02 | 1 | 0.124 | 1.213 | 0.150 | - |
| 836.6 | 4183 | RMC | 25.0 | 24.16 | -0.11 | Right | 1:1 | 02 | 1 | 0.208 | 1.213 | 0.252 | - |
| 836.6 | 4183 | RMC | 25.0 | 24.16 | 0.08 | Bottom | 1:1 | 02 | 1 | 0.294 | 1.213 | 0.357 | - |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | |

UMTS 1700 Hotspot SAR- Ant. A

| Frequency | | Mode | Tune-Up Limit | Meas. Power | Power Drift | Test Position | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|------|------|---------------|-------------|-------------|--|------------|------------|----------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | (dB) | (dB) | (dB) | | | | (mm) | (W/kg) | | (W/kg) | |
| 1 732.4 | 1412 | RMC | 19.5 | 18.82 | -0.11 | Rear | 1:1 | 01 | 51 | 0.303 | 1.169 | 0.354 | - |
| 1 732.4 | 1412 | RMC | 19.5 | 18.82 | -0.11 | Front | 1:1 | 01 | 51 | 0.307 | 1.169 | 0.359 | - |
| 1 732.4 | 1412 | RMC | 19.5 | 18.82 | 0.16 | Left | 1:1 | 01 | 51 | 0.044 | 1.169 | 0.051 | - |
| 1 732.4 | 1412 | RMC | 19.5 | 18.82 | 0.15 | Right | 1:1 | 01 | 51 | 0.077 | 1.169 | 0.090 | - |
| 1 732.4 | 1412 | RMC | 19.5 | 18.82 | 0.12 | Bottom | 1:1 | 01 | 51 | 0.631 | 1.169 | 0.738 | 85 |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | |

UMTS 1900 Hotspot SAR- Ant. A

| Frequency | | Mode | Tune-Up Limit | Meas. Power | Power Drift | Test Position | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|------|------|---------------|-------------|-------------|--|------------|------------|----------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | (dB) | (dB) | (dB) | | | | (mm) | (W/kg) | | (W/kg) | |
| 1 880 | 9400 | RMC | 19.5 | 19.24 | -0.12 | Rear | 1:1 | 14 | 113 | 0.300 | 1.062 | 0.319 | - |
| 1 880 | 9400 | RMC | 19.5 | 19.24 | -0.06 | Front | 1:1 | 14 | 113 | 0.294 | 1.062 | 0.312 | - |
| 1 880 | 9400 | RMC | 19.5 | 19.24 | 0.07 | Left | 1:1 | 14 | 113 | 0.061 | 1.062 | 0.065 | - |
| 1 880 | 9400 | RMC | 19.5 | 19.24 | -0.14 | Right | 1:1 | 14 | 113 | 0.049 | 1.062 | 0.052 | - |
| 1 880 | 9400 | RMC | 19.5 | 19.24 | -0.02 | Bottom | 1:1 | 14 | 113 | 0.732 | 1.062 | 0.777 | 86 |
| ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | |

LTE Band 7 Hotspot SAR- Ant. B

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-------|------|------------|---------------|-------------|-------------|---------------|--|---------|-----------|------------|------------|----------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | | |
| 2 560 | 21350 | QPSK | 20 | 20.5 | 19.57 | 0.12 | Rear | 0 | 1 | 0 | 1:1 | | 10 | 0.290 | 1.239 | 0.359 | - |
| 2 560 | 21350 | QPSK | 20 | 20.5 | 19.70 | -0.16 | Rear | 0 | 50 | 25 | 1:1 | | 10 | 0.314 | 1.202 | 0.377 | - |
| 2 560 | 21350 | QPSK | 20 | 20.5 | 19.57 | 0.11 | Front | 0 | 1 | 0 | 1:1 | | 10 | 0.343 | 1.239 | 0.425 | - |
| 2 560 | 21350 | QPSK | 20 | 20.5 | 19.70 | 0.13 | Front | 0 | 50 | 25 | 1:1 | | 10 | 0.352 | 1.202 | 0.423 | - |
| 2 560 | 21350 | QPSK | 20 | 20.5 | 19.57 | 0.04 | Left | 0 | 1 | 0 | 1:1 | | 10 | 0.106 | 1.239 | 0.131 | - |
| 2 560 | 21350 | QPSK | 20 | 20.5 | 19.70 | -0.15 | Left | 0 | 50 | 25 | 1:1 | | 10 | 0.110 | 1.202 | 0.132 | - |
| 2 510 | 20850 | QPSK | 20 | 20.5 | 19.35 | -0.10 | Bottom | 0 | 1 | 0 | 1:1 | | 10 | 0.510 | 1.303 | 0.665 | - |
| 2 535 | 21100 | QPSK | 20 | 20.5 | 19.46 | 0.12 | Bottom | 0 | 1 | 0 | 1:1 | | 10 | 0.633 | 1.271 | 0.805 | - |
| 2 560 | 21350 | QPSK | 20 | 20.5 | 19.57 | -0.15 | Bottom | 0 | 1 | 0 | 1:1 | | 10 | 0.727 | 1.239 | 0.901 | - |
| 2 510 | 20850 | QPSK | 20 | 20.5 | 19.45 | -0.11 | Bottom | 0 | 50 | 25 | 1:1 | | 10 | 0.566 | 1.274 | 0.721 | - |
| 2 535 | 21100 | QPSK | 20 | 20.5 | 19.56 | 0.15 | Bottom | 0 | 50 | 25 | 1:1 | | 10 | 0.723 | 1.242 | 0.898 | - |
| 2 560 | 21350 | QPSK | 20 | 20.5 | 19.70 | 0.04 | Bottom | 0 | 50 | 25 | 1:1 | | 10 | 0.734 | 1.202 | 0.882 | - |
| 2 560 | 21350 | QPSK | 20 | 20.5 | 19.58 | -0.18 | Bottom | 0 | 100 | 0 | 1:1 | | 10 | 0.764 | 1.236 | 0.944 | 87 |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | |

LTE Band 12 Hotspot SAR- Ant. A

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-------|------|------------|---------------|-------------|-------------|---------------|--|---------|-----------|------------|------------|----------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | | |
| 707.5 | 23095 | QPSK | 10 | 25.5 | 23.99 | -0.03 | Rear | 0 | 1 | 0 | 1:1 | 4 | 10 | 0.323 | 1.416 | 0.457 | 88 |
| 707.5 | 23095 | QPSK | 10 | 24.5 | 22.96 | -0.01 | Rear | 1 | 25 | 12 | 1:1 | 4 | 10 | 0.290 | 1.426 | 0.414 | - |
| 707.5 | 23095 | QPSK | 10 | 25.5 | 23.99 | -0.15 | Front | 0 | 1 | 0 | 1:1 | 4 | 10 | 0.236 | 1.416 | 0.334 | - |
| 707.5 | 23095 | QPSK | 10 | 24.5 | 22.96 | 0.01 | Front | 1 | 25 | 12 | 1:1 | 4 | 10 | 0.206 | 1.426 | 0.294 | - |
| 707.5 | 23095 | QPSK | 10 | 25.5 | 23.99 | -0.01 | Left | 0 | 1 | 0 | 1:1 | 4 | 10 | 0.074 | 1.416 | 0.105 | - |
| 707.5 | 23095 | QPSK | 10 | 24.5 | 22.96 | 0.01 | Left | 1 | 25 | 12 | 1:1 | 4 | 10 | 0.067 | 1.426 | 0.096 | - |
| 707.5 | 23095 | QPSK | 10 | 25.5 | 23.99 | -0.01 | Right | 0 | 1 | 0 | 1:1 | 4 | 10 | 0.206 | 1.416 | 0.292 | - |
| 707.5 | 23095 | QPSK | 10 | 24.5 | 22.96 | -0.06 | Right | 1 | 25 | 12 | 1:1 | 4 | 10 | 0.176 | 1.426 | 0.251 | - |
| 707.5 | 23095 | QPSK | 10 | 25.5 | 23.99 | 0.16 | Bottom | 0 | 1 | 0 | 1:1 | 4 | 10 | 0.259 | 1.416 | 0.367 | - |
| 707.5 | 23095 | QPSK | 10 | 24.5 | 22.96 | 0.14 | Bottom | 1 | 25 | 12 | 1:1 | 4 | 10 | 0.221 | 1.426 | 0.315 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | |

LTE Band 13 Hotspot SAR- Ant. A

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-------|------|------------|---------------|-------------|-------------|---------------|--|---------|-----------|------------|------------|----------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | | |
| 782 | 23230 | QPSK | 10 | 25.5 | 23.89 | -0.06 | Rear | 0 | 1 | 24 | 1:1 | 1 | 10 | 0.394 | 1.449 | 0.571 | 89 |
| 782 | 23230 | QPSK | 10 | 24.5 | 22.98 | -0.02 | Rear | 1 | 25 | 0 | 1:1 | 1 | 10 | 0.326 | 1.419 | 0.463 | - |
| 782 | 23230 | QPSK | 10 | 25.5 | 23.89 | -0.04 | Front | 0 | 1 | 24 | 1:1 | 1 | 10 | 0.270 | 1.449 | 0.391 | - |
| 782 | 23230 | QPSK | 10 | 24.5 | 22.98 | -0.01 | Front | 1 | 25 | 0 | 1:1 | 1 | 10 | 0.219 | 1.419 | 0.311 | - |
| 782 | 23230 | QPSK | 10 | 25.5 | 23.89 | -0.03 | Left | 0 | 1 | 24 | 1:1 | 1 | 10 | 0.114 | 1.449 | 0.165 | - |
| 782 | 23230 | QPSK | 10 | 24.5 | 22.98 | -0.04 | Left | 1 | 25 | 0 | 1:1 | 1 | 10 | 0.081 | 1.419 | 0.115 | - |
| 782 | 23230 | QPSK | 10 | 25.5 | 23.89 | 0.11 | Right | 0 | 1 | 24 | 1:1 | 1 | 10 | 0.273 | 1.449 | 0.396 | - |
| 782 | 23230 | QPSK | 10 | 24.5 | 22.98 | -0.03 | Right | 1 | 25 | 0 | 1:1 | 1 | 10 | 0.218 | 1.419 | 0.309 | - |
| 782 | 23230 | QPSK | 10 | 25.5 | 23.89 | 0.18 | Bottom | 0 | 1 | 24 | 1:1 | 1 | 10 | 0.266 | 1.449 | 0.385 | - |
| 782 | 23230 | QPSK | 10 | 24.5 | 22.98 | 0.09 | Bottom | 1 | 25 | 0 | 1:1 | 1 | 10 | 0.210 | 1.419 | 0.298 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | |

LTE Band 14 Hotspot SAR- Ant. A

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-------|------|------------|---------------|-------------|-------------|---------------|--|---------|-----------|------------|------------|----------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | | |
| 793 | 23330 | QPSK | 10 | 25.5 | 24.70 | -0.01 | Rear | 0 | 1 | 0 | 1:1 | 4 | 10 | 0.485 | 1.202 | 0.583 | 90 |
| 793 | 23330 | QPSK | 10 | 24.5 | 23.42 | -0.02 | Rear | 1 | 25 | 12 | 1:1 | 4 | 10 | 0.399 | 1.282 | 0.512 | - |
| 793 | 23330 | QPSK | 10 | 25.5 | 24.70 | -0.08 | Front | 0 | 1 | 0 | 1:1 | 4 | 10 | 0.329 | 1.202 | 0.395 | - |
| 793 | 23330 | QPSK | 10 | 24.5 | 23.42 | 0.01 | Front | 1 | 25 | 12 | 1:1 | 4 | 10 | 0.270 | 1.282 | 0.346 | - |
| 793 | 23330 | QPSK | 10 | 25.5 | 24.70 | -0.07 | Left | 0 | 1 | 0 | 1:1 | 4 | 10 | 0.150 | 1.202 | 0.180 | - |
| 793 | 23330 | QPSK | 10 | 24.5 | 23.42 | 0.03 | Left | 1 | 25 | 12 | 1:1 | 4 | 10 | 0.150 | 1.282 | 0.192 | - |
| 793 | 23330 | QPSK | 10 | 25.5 | 24.70 | -0.06 | Right | 0 | 1 | 0 | 1:1 | 4 | 10 | 0.330 | 1.202 | 0.397 | - |
| 793 | 23330 | QPSK | 10 | 24.5 | 23.42 | 0.01 | Right | 1 | 25 | 12 | 1:1 | 4 | 10 | 0.277 | 1.282 | 0.355 | - |
| 793 | 23330 | QPSK | 10 | 25.5 | 24.70 | 0.14 | Bottom | 0 | 1 | 0 | 1:1 | 4 | 10 | 0.333 | 1.202 | 0.400 | - |
| 793 | 23330 | QPSK | 10 | 24.5 | 23.42 | 0.13 | Bottom | 1 | 25 | 12 | 1:1 | 4 | 10 | 0.272 | 1.282 | 0.349 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | |

LTE Band 25 Hotspot SAR- Ant. A

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-------|------|------------|---------------|-------------|-------------|---------------|--|---------|-----------|------------|------------|----------|--------------|----------------|--------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | | |
| 1 882.5 | 26365 | QPSK | 20 | 19.5 | 18.41 | -0.19 | Rear | 0 | 1 | 0 | 1:1 | 115 | 10 | 0.286 | 1.285 | 0.368 | - |
| 1 882.5 | 26365 | QPSK | 20 | 19.5 | 18.55 | 0.00 | Rear | 0 | 50 | 0 | 1:1 | 115 | 10 | 0.291 | 1.245 | 0.362 | - |
| 1 882.5 | 26365 | QPSK | 20 | 19.5 | 18.41 | 0.03 | Front | 0 | 1 | 0 | 1:1 | 115 | 10 | 0.238 | 1.285 | 0.306 | - |
| 1 882.5 | 26365 | QPSK | 20 | 19.5 | 18.55 | -0.01 | Front | 0 | 50 | 0 | 1:1 | 115 | 10 | 0.239 | 1.245 | 0.298 | - |
| 1 882.5 | 26365 | QPSK | 20 | 19.5 | 18.41 | -0.12 | Left | 0 | 1 | 0 | 1:1 | 115 | 10 | 0.098 | 1.285 | 0.126 | - |
| 1 882.5 | 26365 | QPSK | 20 | 19.5 | 18.55 | -0.01 | Left | 0 | 50 | 0 | 1:1 | 115 | 10 | 0.104 | 1.245 | 0.129 | - |
| 1 882.5 | 26365 | QPSK | 20 | 19.5 | 18.41 | -0.14 | Right | 0 | 1 | 0 | 1:1 | 115 | 10 | 0.070 | 1.285 | 0.090 | - |
| 1 882.5 | 26365 | QPSK | 20 | 19.5 | 18.55 | 0.06 | Right | 0 | 50 | 0 | 1:1 | 115 | 10 | 0.077 | 1.245 | 0.096 | - |
| 1 860.0 | 26140 | QPSK | 20 | 19.5 | 18.21 | 0.01 | Bottom | 0 | 1 | 99 | 1:1 | 115 | 10 | 0.665 | 1.346 | 0.895 | - |
| 1 882.5 | 26365 | QPSK | 20 | 19.5 | 18.41 | -0.19 | Bottom | 0 | 1 | 0 | 1:1 | 115 | 10 | 0.682 | 1.285 | 0.876 | - |
| 1 905.0 | 26590 | QPSK | 20 | 19.5 | 18.04 | -0.01 | Bottom | 0 | 1 | 49 | 1:1 | 115 | 10 | 0.728 | 1.400 | 1.019 | 91 |
| 1 860.0 | 26140 | QPSK | 20 | 19.5 | 18.30 | 0.03 | Bottom | 0 | 50 | 49 | 1:1 | 115 | 10 | 0.674 | 1.318 | 0.888 | - |
| 1 882.5 | 26365 | QPSK | 20 | 19.5 | 18.55 | -0.03 | Bottom | 0 | 50 | 25 | 1:1 | 115 | 10 | 0.733 | 1.245 | 0.913 | - |
| 1 905.0 | 26590 | QPSK | 20 | 19.5 | 18.19 | -0.01 | Bottom | 0 | 50 | 0 | 1:1 | 115 | 10 | 0.750 | 1.352 | 1.014 | 92 |
| 1 882.5 | 26365 | QPSK | 20 | 19.5 | 18.45 | 0.01 | Bottom | 0 | 100 | 0 | 1:1 | 115 | 10 | 0.694 | 1.274 | 0.884 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | |

LTE Band 26 Hotspot SAR- Ant. A

| Component CA | Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-----------|-------|---------------|------------|---------------|-------------|-------------|--|-----|---------|-----------|------------|------------|----------|-----------|----------------|--------------|----------|
| | Mhz | Ch. | | | | | | | | | | | | | | | | |
| | 831.5 | 26865 | QPSK | 15 | 25.5 | 24.02 | -0.05 | Rear | 0 | 1 | 0 | 1:1 | 4 | 10 | 0.558 | 1.406 | 0.785 | - |
| | 831.5 | 26865 | QPSK | 15 | 24.5 | 23.16 | 0.03 | Rear | 1 | 36 | 39 | 1:1 | 4 | 10 | 0.464 | 1.361 | 0.632 | - |
| | 831.5 | 26865 | QPSK | 15 | 25.5 | 24.02 | -0.08 | Front | 0 | 1 | 0 | 1:1 | 4 | 10 | 0.363 | 1.406 | 0.510 | - |
| | 831.5 | 26865 | QPSK | 15 | 24.5 | 23.16 | -0.05 | Front | 1 | 36 | 39 | 1:1 | 4 | 10 | 0.330 | 1.361 | 0.449 | - |
| | 831.5 | 26865 | QPSK | 15 | 25.5 | 24.02 | -0.07 | Left | 0 | 1 | 0 | 1:1 | 4 | 10 | 0.093 | 1.406 | 0.131 | - |
| | 831.5 | 26865 | QPSK | 15 | 24.5 | 23.16 | -0.09 | Left | 1 | 36 | 39 | 1:1 | 4 | 10 | 0.069 | 1.361 | 0.094 | - |
| | 831.5 | 26865 | QPSK | 15 | 25.5 | 24.02 | -0.03 | Right | 0 | 1 | 0 | 1:1 | 4 | 10 | 0.262 | 1.406 | 0.368 | - |
| | 831.5 | 26865 | QPSK | 15 | 24.5 | 23.16 | -0.02 | Right | 1 | 36 | 39 | 1:1 | 4 | 10 | 0.183 | 1.361 | 0.249 | - |
| | 831.5 | 26865 | QPSK | 15 | 25.5 | 24.02 | 0.12 | Bottom | 0 | 1 | 0 | 1:1 | 4 | 10 | 0.369 | 1.406 | 0.519 | - |
| | 831.5 | 26865 | QPSK | 15 | 24.5 | 23.16 | 0.17 | Bottom | 1 | 36 | 39 | 1:1 | 4 | 10 | 0.337 | 1.361 | 0.459 | - |
| LTE Band 5 Up-link Carrier Aggregation (5B) | | | | | | | | | | | | | | | | | | |
| PCC | 836.5 | 20525 | LTE 5 QPSK | 10 | 25.5 | 24.50 | -0.03 | Rear | 0 | 1 | 49 | 1:1 | 4 | 15 | 0.653 | 1.259 | 0.822 | 93 |
| SCC | 843.7 | 20597 | | 5 | | | | | | 1 | 0 | | | | | | | |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | | |

LTE Band 30 Hotspot SAR- Ant. B

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-------|------|------------|---------------|-------------|-------------|--|-----|---------|-----------|------------|------------|----------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | | |
| 2 310 | 27710 | QPSK | 10 | 19.0 | 17.97 | -0.10 | Rear | 0 | 1 | 24 | 1:1 | | 10 | 0.369 | 1.268 | 0.468 | - |
| 2 310 | 27710 | QPSK | 10 | 19.0 | 17.94 | 0.13 | Rear | 0 | 25 | 0 | 1:1 | | 10 | 0.376 | 1.276 | 0.480 | - |
| 2 310 | 27710 | QPSK | 10 | 19.0 | 17.97 | -0.10 | Front | 0 | 1 | 24 | 1:1 | | 10 | 0.432 | 1.268 | 0.548 | - |
| 2 310 | 27710 | QPSK | 10 | 19.0 | 17.94 | 0.01 | Front | 0 | 25 | 0 | 1:1 | | 10 | 0.436 | 1.276 | 0.556 | - |
| 2 310 | 27710 | QPSK | 10 | 19.0 | 17.97 | 0.16 | Left | 0 | 1 | 24 | 1:1 | | 10 | 0.055 | 1.268 | 0.070 | - |
| 2 310 | 27710 | QPSK | 10 | 19.0 | 17.94 | -0.01 | Left | 0 | 25 | 0 | 1:1 | | 10 | 0.054 | 1.276 | 0.069 | - |
| 2 310 | 27710 | QPSK | 10 | 19.0 | 17.97 | 0.07 | Bottom | 0 | 1 | 24 | 1:1 | | 10 | 0.805 | 1.268 | 1.021 | - |
| 2 310 | 27710 | QPSK | 10 | 19.0 | 17.94 | -0.01 | Bottom | 0 | 25 | 0 | 1:1 | | 10 | 0.793 | 1.276 | 1.012 | - |
| 2 310 | 27710 | QPSK | 10 | 19.0 | 17.83 | -0.02 | Bottom | 0 | 50 | 0 | 1:1 | | 10 | 0.821 | 1.309 | 1.075 | 94 |
| 2 310 | 27710 | QPSK | 10 | 19.0 | 17.83 | 0.08 | Bottom | 0 | 50 | 0 | 1:1 | | 10 | 0.798 | 1.309 | 1.045 | * |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | | |

Note: * Data entry indicate Variability measurement.

LTE Band 40 Hotspot SAR_ Lower frequency range- Ant. B

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-------|------|------------|---------------|-------------|-------------|--|-----|---------|-----------|------------|------------|----------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | | |
| 2 310 | 38750 | QPSK | 10 | 14.0 | 13.43 | 0.17 | Rear | 0 | 1 | 24 | 1:1.58 | | 10 | 0.062 | 1.140 | 0.071 | - |
| 2 310 | 38750 | QPSK | 10 | 14.0 | 13.59 | 0.11 | Rear | 0 | 25 | 12 | 1:1.58 | | 10 | 0.077 | 1.099 | 0.085 | - |
| 2 310 | 38750 | QPSK | 10 | 14.0 | 13.43 | -0.10 | Front | 0 | 1 | 24 | 1:1.58 | | 10 | 0.076 | 1.140 | 0.087 | - |
| 2 310 | 38750 | QPSK | 10 | 14.0 | 13.59 | -0.16 | Front | 0 | 25 | 12 | 1:1.58 | | 10 | 0.054 | 1.099 | 0.059 | - |
| 2 310 | 38750 | QPSK | 10 | 14.0 | 13.43 | -0.19 | Left | 0 | 1 | 24 | 1:1.58 | | 10 | 0.011 | 1.140 | 0.013 | - |
| 2 310 | 38750 | QPSK | 10 | 14.0 | 13.59 | 0.13 | Left | 0 | 25 | 12 | 1:1.58 | | 10 | 0.00419 | 1.099 | 0.005 | - |
| 2 310 | 38750 | QPSK | 10 | 14.0 | 13.43 | -0.12 | Bottom | 0 | 1 | 24 | 1:1.58 | | 10 | 0.135 | 1.140 | 0.154 | - |
| 2 310 | 38750 | QPSK | 10 | 14.0 | 13.59 | -0.10 | Bottom | 0 | 25 | 12 | 1:1.58 | | 10 | 0.147 | 1.099 | 0.162 | 95 |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | | |

LTE Band 40 Hotspot SAR_ Upper frequency range- Ant. B

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-------|------|------------|---------------|-------------|-------------|---------------|--|---------|-----------|------------|------------|----------|--------------|----------------|--------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | | |
| 2 355 | 39200 | QPSK | 10 | 14.0 | 13.43 | 0.19 | Rear | 0 | 1 | 24 | 1:1.58 | | 10 | 0.062 | 1.140 | 0.071 | - |
| 2 355 | 39200 | QPSK | 10 | 14.0 | 13.59 | -0.03 | Rear | 0 | 25 | 12 | 1:1.58 | | 10 | 0.067 | 1.099 | 0.074 | - |
| 2 355 | 39200 | QPSK | 10 | 14.0 | 13.43 | 0.11 | Front | 0 | 1 | 24 | 1:1.58 | | 10 | 0.035 | 1.140 | 0.040 | - |
| 2 355 | 39200 | QPSK | 10 | 14.0 | 13.59 | 0.01 | Front | 0 | 25 | 12 | 1:1.58 | | 10 | 0.033 | 1.099 | 0.036 | - |
| 2 355 | 39200 | QPSK | 10 | 14.0 | 13.43 | -0.11 | Left | 0 | 1 | 24 | 1:1.58 | | 10 | 0.013 | 1.140 | 0.015 | - |
| 2 355 | 39200 | QPSK | 10 | 14.0 | 13.59 | 0.16 | Left | 0 | 25 | 12 | 1:1.58 | | 10 | 0.011 | 1.099 | 0.012 | - |
| 2 355 | 39200 | QPSK | 10 | 14.0 | 13.43 | -0.05 | Bottom | 0 | 1 | 24 | 1:1.58 | | 10 | 0.183 | 1.140 | 0.209 | 96 |
| 2 355 | 39200 | QPSK | 10 | 14.0 | 13.59 | -0.17 | Bottom | 0 | 25 | 12 | 1:1.58 | | 10 | 0.186 | 1.099 | 0.204 | 97 |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | |

LTE TDD Band 41 Hotspot SAR- Ant. B

| Component CA | Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|-----------|-------|------|------------|---------------|-------------|-------------|--|-----|---------|-----------|------------|------------|----------|-----------|----------------|--------------|----------|
| | Mhz | Ch. | | | | | | | | | | | | | | | | |
| Power class 3 | | | | | | | | | | | | | | | | | | |
| | 2 593 | 40620 | QPSK | 20 | 22.5 | 21.72 | 0.10 | Rear | 0 | 1 | 99 | 1:1.58 | | 10 | 0.193 | 1.197 | 0.231 | - |
| | 2 593 | 40620 | QPSK | 20 | 22.5 | 21.71 | 0.17 | Rear | 0 | 50 | 49 | 1:1.58 | | 10 | 0.193 | 1.199 | 0.231 | - |
| | 2 593 | 40620 | QPSK | 20 | 22.5 | 21.72 | -0.00 | Front | 0 | 1 | 99 | 1:1.58 | | 10 | 0.246 | 1.197 | 0.294 | - |
| | 2 593 | 40620 | QPSK | 20 | 22.5 | 21.71 | 0.19 | Front | 0 | 50 | 49 | 1:1.58 | | 10 | 0.244 | 1.199 | 0.293 | - |
| | 2 593 | 40620 | QPSK | 20 | 22.5 | 21.72 | 0.18 | Left | 0 | 1 | 99 | 1:1.58 | | 10 | 0.063 | 1.197 | 0.075 | - |
| | 2 593 | 40620 | QPSK | 20 | 22.5 | 21.71 | 0.19 | Left | 0 | 50 | 49 | 1:1.58 | | 10 | 0.063 | 1.199 | 0.076 | - |
| | 2 593 | 40620 | QPSK | 20 | 22.5 | 21.72 | 0.17 | Bottom | 0 | 1 | 99 | 1:1.58 | | 10 | 0.480 | 1.197 | 0.575 | 98 |
| | 2 593 | 40620 | QPSK | 20 | 22.5 | 21.71 | 0.18 | Bottom | 0 | 50 | 49 | 1:1.58 | | 10 | 0.479 | 1.199 | 0.574 | - |
| Up-link Carrier Aggregation Power class 3 (41C) | | | | | | | | | | | | | | | | | | |
| PCC | 2 593 | 40620 | QPSK | 20 | 22.5 | 21.71 | 0.05 | Bottom | 0 | 1 | 99 | 1:1.58 | | 10 | 0.359 | 1.199 | 0.430 | - |
| SCC | 2 612.8 | 40818 | | 20 | | | | | | 1 | 0 | | | | | | | |
| Up-link Carrier Aggregation Power class 2 (HPUE) (41C) | | | | | | | | | | | | | | | | | | |
| PCC | 2 593 | 40620 | QPSK | 20 | 22.5 | 22.09 | 0.01 | Bottom | 0 | 1 | 99 | 1:2.31 | | 10 | 0.384 | 1.099 | 0.422 | - |
| SCC | 2 612.8 | 40818 | | 20 | | | | | | 1 | 0 | | | | | | | |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | | |

Note : When Power reduction is applied to LTE B41 PC 2(HPUE), The power level of LTE B41 PC became same as the reduction power of LTE B41 PC3.

LTE TDD Band 48 Hotspot SAR- Ant. H

| Component CA | Frequency | | Mode | Band width (MHz) | Tune-Up Limit (dBm) | Meas. Power (dBm) | Power Drift (dB) | Test Position | MPR (dB) | RB Size | RB offset | Duty Cycle | Ant. State | Distance (mm) | Meas. SAR (W/kg) | Scaling Factor | Scaled SAR (W/kg) | Plot No. |
|--------------|-----------|-------|------|------------------|---------------------|-------------------|------------------|---------------|----------|---------|-----------|------------|------------|---------------|------------------|----------------|-------------------|----------|
| | Mhz | Ch. | | | | | | | | | | | | | | | | |
| | 3603.3 | 55773 | QPSK | 20 | 21 | 19.88 | 0.15 | Rear | 0 | 1 | 0 | 1:1.58 | | 10 | 0.107 | 1.294 | 0.138 | - |
| | 3603.3 | 55773 | QPSK | 20 | 21 | 20.03 | 0.18 | Rear | 1 | 50 | 49 | 1:1.58 | | 10 | 0.129 | 1.250 | 0.161 | - |
| | 3603.3 | 55773 | QPSK | 20 | 21 | 19.88 | 0.11 | Front | 0 | 1 | 0 | 1:1.58 | | 10 | 0.092 | 1.294 | 0.119 | - |
| | 3603.3 | 55773 | QPSK | 20 | 21 | 20.03 | 0.04 | Front | 1 | 50 | 49 | 1:1.58 | | 10 | 0.100 | 1.250 | 0.125 | - |
| | 3603.3 | 55773 | QPSK | 20 | 21 | 19.88 | -0.19 | Left | 0 | 1 | 0 | 1:1.58 | | 10 | 0.208 | 1.294 | 0.269 | - |
| | 3603.3 | 55773 | QPSK | 20 | 21 | 20.03 | -0.14 | Left | 1 | 50 | 49 | 1:1.58 | | 10 | 0.227 | 1.250 | 0.284 | 99 |
| | 3603.3 | 55773 | QPSK | 20 | 21 | 19.88 | -0.19 | Top | 0 | 1 | 0 | 1:1.58 | | 10 | 0.171 | 1.294 | 0.221 | - |
| | 3603.3 | 55773 | QPSK | 20 | 21 | 20.03 | 0.05 | Top | 1 | 50 | 49 | 1:1.58 | | 10 | 0.186 | 1.250 | 0.233 | - |

Up-link Carrier Aggregation (48C)

| | | | | | | | | | | | | | | | | | | |
|-----|--------|-------|------|----|----|-------|-------|------|---|----|----|--------|--|----|-------|-------|-------|---|
| PCC | 3603.3 | 55773 | QPSK | 20 | 21 | 20.01 | -0.13 | Left | 0 | 50 | 49 | 1:1.58 | | 10 | 0.190 | 1.256 | 0.239 | - |
| SCC | 3623.1 | 55971 | | 20 | | | | | | 50 | 0 | | | | | | | |

ANSI/ IEEE C95.1 - 2005- Safety Limit
Spatial Peak
Uncontrolled Exposure/ General Population

Body
1.6 W/kg
Averaged over 1 gram

LTE Band 66 Hotspot SAR- Ant. A

| Component CA | Frequency | | Mode | Band width (MHz) | Tune-Up Limit (dBm) | Meas. Power (dBm) | Power Drift (dB) | Test Position | MPR (dB) | RB Size | RB offset | Duty Cycle | Ant. State | Distance (mm) | Meas. SAR (W/kg) | Scaling Factor | Scaled SAR (W/kg) | Plot No. |
|--------------|-----------|--------|------|------------------|---------------------|-------------------|------------------|---------------|----------|---------|-----------|------------|------------|---------------|------------------|----------------|-------------------|----------|
| | Mhz | Ch. | | | | | | | | | | | | | | | | |
| | 1 720 | 132072 | QPSK | 20 | 20.0 | 19.81 | -0.07 | Rear | 0 | 1 | 99 | 1:1 | 51 | 10 | 0.404 | 1.045 | 0.422 | - |
| | 1 745 | 132322 | QPSK | 20 | 20.0 | 19.45 | 0.14 | Rear | 0 | 50 | 49 | 1:1 | 51 | 10 | 0.327 | 1.135 | 0.371 | - |
| | 1 720 | 132072 | QPSK | 20 | 20.0 | 19.81 | 0.01 | Front | 0 | 1 | 99 | 1:1 | 51 | 10 | 0.387 | 1.045 | 0.404 | - |
| | 1 745 | 132322 | QPSK | 20 | 20.0 | 19.45 | 0.01 | Front | 0 | 50 | 49 | 1:1 | 51 | 10 | 0.241 | 1.135 | 0.274 | - |
| | 1 720 | 132072 | QPSK | 20 | 20.0 | 19.81 | -0.03 | Left | 0 | 1 | 99 | 1:1 | 51 | 10 | 0.067 | 1.045 | 0.070 | - |
| | 1 745 | 132322 | QPSK | 20 | 20.0 | 19.45 | 0.10 | Left | 0 | 50 | 49 | 1:1 | 51 | 10 | 0.071 | 1.135 | 0.081 | - |
| | 1 720 | 132072 | QPSK | 20 | 20.0 | 19.81 | 0.05 | Right | 0 | 1 | 99 | 1:1 | 51 | 10 | 0.082 | 1.045 | 0.086 | - |
| | 1 745 | 132322 | QPSK | 20 | 20.0 | 19.45 | 0.13 | Right | 0 | 50 | 49 | 1:1 | 51 | 10 | 0.048 | 1.135 | 0.054 | - |
| | 1 720 | 132072 | QPSK | 20 | 20.0 | 19.81 | 0.19 | Bottom | 0 | 1 | 99 | 1:1 | 51 | 10 | 0.695 | 1.045 | 0.726 | - |
| | 1 745 | 132322 | QPSK | 20 | 20.0 | 19.00 | -0.19 | Bottom | 0 | 1 | 49 | 1:1 | 51 | 10 | 0.664 | 1.259 | 0.836 | - |
| | 1 770 | 132572 | QPSK | 20 | 20.0 | 18.92 | 0.15 | Bottom | 0 | 1 | 0 | 1:1 | 51 | 10 | 0.787 | 1.282 | 1.009 | 100 |
| | 1 720 | 132072 | QPSK | 20 | 20.0 | 19.03 | 0.14 | Bottom | 0 | 50 | 25 | 1:1 | 51 | 10 | 0.738 | 1.250 | 0.923 | - |
| | 1 745 | 132322 | QPSK | 20 | 20.0 | 19.45 | 0.07 | Bottom | 0 | 50 | 49 | 1:1 | 51 | 10 | 0.798 | 1.135 | 0.906 | 101 |
| | 1 770 | 132572 | QPSK | 20 | 20.0 | 19.01 | 0.12 | Bottom | 0 | 50 | 25 | 1:1 | 51 | 10 | 0.797 | 1.256 | 1.001 | - |
| | 1 745 | 132322 | QPSK | 20 | 20.0 | 19.04 | -0.01 | Bottom | 0 | 100 | 0 | 1:1 | 51 | 10 | 0.723 | 1.247 | 0.902 | - |

Up-link Carrier Aggregation (66B)

| | | | | | | | | | | | | | | | | | | |
|-----|--------|--------|------|----|------|-------|------|--------|---|---|----|-----|----|----|-------|-------|-------|---|
| PCC | 1715 | 132022 | QPSK | 10 | 20.0 | 19.69 | 0.08 | Bottom | 0 | 1 | 49 | 1:1 | 51 | 10 | 0.672 | 1.074 | 0.722 | - |
| SCC | 1724.9 | 132121 | | 10 | | | | | | 1 | 0 | | | | | | | |

Up-link Carrier Aggregation (66C)

| | | | | | | | | | | | | | | | | | | |
|-----|--------|--------|------|----|------|-------|------|--------|---|---|----|-----|----|----|-------|-------|-------|---|
| PCC | 1720 | 132072 | QPSK | 20 | 20.0 | 19.51 | 0.03 | Bottom | 0 | 1 | 99 | 1:1 | 51 | 10 | 0.668 | 1.119 | 0.747 | - |
| SCC | 1739.8 | 132270 | | 20 | | | | | | 1 | 0 | | | | | | | |

ANSI/ IEEE C95.1 - 2005- Safety Limit
Spatial Peak
Uncontrolled Exposure/ General Population

Body
1.6 W/kg
Averaged over 1 gram



LTE Band 71 Hotspot SAR- Ant. A

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|--------|------|------------|---------------|-------------|-------------|--|-----|---------|-----------|------------|------------|----------|-----------|----------------|--------------|----------|
| MHz | Ch. | | | | | | | | | | | | | | | | |
| 680.5 | 133297 | QPSK | 20 | 25.5 | 24.35 | -0.08 | Rear | 0 | 1 | 0 | 1:1 | 4 | 10 | 0.293 | 1.303 | 0.382 | 102 |
| 680.5 | 133297 | QPSK | 20 | 24.5 | 23.43 | -0.11 | Rear | 1 | 50 | 0 | 1:1 | 4 | 10 | 0.238 | 1.279 | 0.304 | - |
| 680.5 | 133297 | QPSK | 20 | 25.5 | 24.35 | 0.03 | Front | 0 | 1 | 0 | 1:1 | 4 | 10 | 0.174 | 1.303 | 0.227 | - |
| 680.5 | 133297 | QPSK | 20 | 24.5 | 23.43 | -0.01 | Front | 1 | 50 | 0 | 1:1 | 4 | 10 | 0.140 | 1.279 | 0.179 | - |
| 680.5 | 133297 | QPSK | 20 | 25.5 | 24.35 | -0.01 | Left | 0 | 1 | 0 | 1:1 | 4 | 10 | 0.078 | 1.303 | 0.102 | - |
| 680.5 | 133297 | QPSK | 20 | 24.5 | 23.43 | -0.01 | Left | 1 | 50 | 0 | 1:1 | 4 | 10 | 0.075 | 1.279 | 0.096 | - |
| 680.5 | 133297 | QPSK | 20 | 25.5 | 24.35 | -0.04 | Right | 0 | 1 | 0 | 1:1 | 4 | 10 | 0.209 | 1.303 | 0.272 | - |
| 680.5 | 133297 | QPSK | 20 | 24.5 | 23.43 | -0.04 | Right | 1 | 50 | 0 | 1:1 | 4 | 10 | 0.179 | 1.279 | 0.229 | - |
| 680.5 | 133297 | QPSK | 20 | 25.5 | 24.35 | 0.11 | Bottom | 0 | 1 | 0 | 1:1 | 4 | 10 | 0.182 | 1.303 | 0.237 | - |
| 680.5 | 133297 | QPSK | 20 | 24.5 | 23.43 | 0.15 | Bottom | 1 | 50 | 0 | 1:1 | 4 | 10 | 0.146 | 1.279 | 0.187 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | | |

NR Band n5 (Cell) Hotspot SAR- Ant. A

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|--------|-----------------|------------|---------------|-------------|-------------|--|------|---------|-----------|------------|------------|----------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | (MHz) | (dBm) | (dBm) | (dB) | | (dB) | (mm) | (W/kg) | | | (W/kg) | | | | |
| 836.5 | 167300 | DFT-s OFDM QPSK | 20 | 25.5 | 23.80 | 0.01 | Rear | 0 | 1 | 53 | 1:1 | 4 | 10 | 0.330 | 1.479 | 0.488 | 103 |
| 836.5 | 167300 | DFT-s OFDM QPSK | 20 | 25.5 | 24.07 | -0.07 | Rear | 0 | 50 | 28 | 1:1 | 4 | 10 | 0.209 | 1.390 | 0.290 | - |
| 836.5 | 167300 | DFT-s OFDM QPSK | 20 | 25.5 | 23.80 | 0.10 | Front | 0 | 1 | 53 | 1:1 | 4 | 10 | 0.263 | 1.479 | 0.388 | - |
| 836.5 | 167300 | DFT-s OFDM QPSK | 20 | 25.5 | 24.07 | -0.05 | Front | 0 | 50 | 28 | 1:1 | 4 | 10 | 0.205 | 1.390 | 0.285 | - |
| 836.5 | 167300 | DFT-s OFDM QPSK | 20 | 25.5 | 23.80 | -0.12 | Left | 0 | 1 | 53 | 1:1 | 4 | 10 | 0.044 | 1.479 | 0.065 | - |
| 836.5 | 167300 | DFT-s OFDM QPSK | 20 | 25.5 | 24.07 | 0.17 | Left | 0 | 50 | 28 | 1:1 | 4 | 10 | 0.039 | 1.390 | 0.054 | - |
| 836.5 | 167300 | DFT-s OFDM QPSK | 20 | 25.5 | 23.80 | 0.08 | Right | 0 | 1 | 53 | 1:1 | 4 | 10 | 0.178 | 1.479 | 0.263 | - |
| 836.5 | 167300 | DFT-s OFDM QPSK | 20 | 25.5 | 24.07 | -0.08 | Right | 0 | 50 | 28 | 1:1 | 4 | 10 | 0.103 | 1.390 | 0.143 | - |
| 836.5 | 167300 | DFT-s OFDM QPSK | 20 | 25.5 | 23.80 | 0.07 | Bottom | 0 | 1 | 53 | 1:1 | 4 | 10 | 0.208 | 1.479 | 0.307 | - |
| 836.5 | 167300 | DFT-s OFDM QPSK | 20 | 25.5 | 24.07 | -0.02 | Bottom | 0 | 50 | 28 | 1:1 | 4 | 10 | 0.202 | 1.390 | 0.280 | - |
| 836.5 | 167300 | CP QPSK | 20 | 24.0 | 22.25 | -0.07 | Rear | 1.5 | 1 | 1 | 1:1 | 4 | 10 | 0.194 | 1.496 | 0.290 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | | |

NR Band n12 Hotspot SAR- Ant. A

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|--------|-----------------|------------|---------------|-------------|-------------|--|------|---------|-----------|------------|------------|----------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | (MHz) | (dBm) | (dBm) | (dB) | | (dB) | (mm) | (W/kg) | | | (W/kg) | | | | |
| 707.5 | 141500 | DFT-s OFDM QPSK | 15 | 25.5 | 23.92 | 0.03 | Rear | 0 | 1 | 1 | 1:1 | 1 | 10 | 0.391 | 1.439 | 0.563 | 104 |
| 707.5 | 141500 | DFT-s OFDM QPSK | 15 | 25.5 | 23.98 | -0.17 | Rear | 0 | 36 | 22 | 1:1 | 1 | 10 | 0.265 | 1.419 | 0.376 | - |
| 707.5 | 141500 | DFT-s OFDM QPSK | 15 | 25.5 | 23.92 | -0.12 | Front | 0 | 1 | 1 | 1:1 | 1 | 10 | 0.299 | 1.439 | 0.430 | - |
| 707.5 | 141500 | DFT-s OFDM QPSK | 15 | 25.5 | 23.98 | -0.11 | Front | 0 | 36 | 22 | 1:1 | 1 | 10 | 0.343 | 1.419 | 0.487 | - |
| 707.5 | 141500 | DFT-s OFDM QPSK | 15 | 25.5 | 23.92 | -0.02 | Left | 0 | 1 | 1 | 1:1 | 1 | 10 | 0.102 | 1.439 | 0.147 | - |
| 707.5 | 141500 | DFT-s OFDM QPSK | 15 | 25.5 | 23.98 | 0.05 | Left | 0 | 36 | 22 | 1:1 | 1 | 10 | 0.176 | 1.419 | 0.250 | - |
| 707.5 | 141500 | DFT-s OFDM QPSK | 15 | 25.5 | 23.92 | -0.08 | Right | 0 | 1 | 1 | 1:1 | 1 | 10 | 0.180 | 1.439 | 0.260 | - |
| 707.5 | 141500 | DFT-s OFDM QPSK | 15 | 25.5 | 23.98 | 0.04 | Right | 0 | 36 | 22 | 1:1 | 1 | 10 | 0.217 | 1.419 | 0.307 | - |
| 707.5 | 141500 | DFT-s OFDM QPSK | 15 | 25.5 | 23.92 | 0.01 | Bottom | 0 | 1 | 1 | 1:1 | 1 | 10 | 0.227 | 1.439 | 0.326 | - |
| 707.5 | 141500 | DFT-s OFDM QPSK | 15 | 25.5 | 23.98 | -0.04 | Bottom | 0 | 36 | 22 | 1:1 | 1 | 10 | 0.313 | 1.419 | 0.444 | - |
| 707.5 | 141500 | CP QPSK | 15 | 24.0 | 22.53 | -0.17 | Rear | 1.5 | 1 | 1 | 1:1 | 1 | 10 | 0.333 | 1.403 | 0.467 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | | |

NR Band n25 Hotspot SAR- Ant. A

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|--------|-----------------|------------|---------------|-------------|-------------|--|------|---------|-----------|------------|------------|----------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | (Mhz) | (dBm) | (dBm) | (dB) | | (dB) | | | | | (mm) | (W/kg) | | (W/kg) | |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 19.5 | 18.58 | 0.13 | Rear | 0 | 1 | 108 | 1:1 | 115 | 10 | 0.299 | 1.236 | 0.370 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 19.5 | 18.65 | 0.11 | Rear | 0 | 108 | 54 | 1:1 | 115 | 10 | 0.264 | 1.216 | 0.321 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 19.5 | 18.58 | 0.03 | Front | 0 | 1 | 108 | 1:1 | 115 | 10 | 0.250 | 1.236 | 0.309 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 19.5 | 18.65 | -0.13 | Front | 0 | 108 | 54 | 1:1 | 115 | 10 | 0.242 | 1.216 | 0.294 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 19.5 | 18.58 | 0.10 | Left | 0 | 1 | 108 | 1:1 | 115 | 10 | 0.042 | 1.236 | 0.052 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 19.5 | 18.65 | -0.11 | Left | 0 | 108 | 54 | 1:1 | 115 | 10 | 0.042 | 1.216 | 0.051 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 19.5 | 18.58 | 0.10 | Right | 0 | 1 | 108 | 1:1 | 115 | 10 | 0.034 | 1.236 | 0.042 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 19.5 | 18.65 | 0.06 | Right | 0 | 108 | 54 | 1:1 | 115 | 10 | 0.036 | 1.216 | 0.044 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 19.5 | 18.58 | 0.09 | Bottom | 0 | 1 | 108 | 1:1 | 115 | 10 | 0.664 | 1.236 | 0.821 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 19.5 | 18.65 | 0.03 | Bottom | 0 | 108 | 54 | 1:1 | 115 | 10 | 0.543 | 1.216 | 0.660 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 19.5 | 18.56 | 0.01 | Bottom | 0 | 216 | 0 | 1:1 | 115 | 10 | 0.669 | 1.242 | 0.831 | - |
| 1 882.5 | 376500 | CP QPSK | 40 | 19.5 | 18.52 | 0.03 | Bottom | 0 | 1 | 1 | 1:1 | 115 | 10 | 0.738 | 1.253 | 0.925 | 105 |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | | |

NR Band n30 Hotspot SAR- Ant. B

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|--------|-----------------|------------|---------------|-------------|-------------|--|------|---------|-----------|------------|------------|----------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | (Mhz) | (dBm) | (dBm) | (dB) | | (dB) | | | | | (mm) | (W/kg) | | (W/kg) | |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 18.5 | 18.17 | 0.13 | Rear | 0 | 1 | 26 | 1:1 | | 10 | 0.360 | 1.079 | 0.388 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 18.5 | 18.29 | 0.14 | Rear | 0 | 25 | 27 | 1:1 | | 10 | 0.375 | 1.050 | 0.394 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 18.5 | 18.17 | 0.17 | Front | 0 | 1 | 26 | 1:1 | | 10 | 0.350 | 1.079 | 0.378 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 18.5 | 18.29 | 0.04 | Front | 0 | 25 | 27 | 1:1 | | 10 | 0.337 | 1.050 | 0.354 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 18.5 | 18.17 | 0.13 | Left | 0 | 1 | 26 | 1:1 | | 10 | 0.069 | 1.079 | 0.074 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 18.5 | 18.29 | 0.16 | Left | 0 | 25 | 27 | 1:1 | | 10 | 0.075 | 1.050 | 0.079 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 18.5 | 18.17 | 0.16 | Bottom | 0 | 1 | 26 | 1:1 | | 10 | 0.922 | 1.079 | 0.995 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 18.5 | 18.29 | 0.03 | Bottom | 0 | 25 | 27 | 1:1 | | 10 | 0.942 | 1.050 | 0.989 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 18.5 | 18.38 | 0.03 | Bottom | 0 | 50 | 0 | 1:1 | | 10 | 0.937 | 1.028 | 0.963 | - |
| 2 310 | 462000 | CP QPSK | 10 | 18.5 | 18.06 | 0.08 | Bottom | 0 | 1 | 1 | 1:1 | | 10 | 0.983 | 1.107 | 1.088 | 106 |
| 2 310 | 462000 | CP QPSK | 10 | 18.5 | 18.06 | -0.02 | Bottom | 0 | 1 | 1 | 1:1 | | 10 | 0.940 | 1.107 | 1.041 | * |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | | |

Note: * Data entry indicate Variability measurement.

NR Band n41 Hotspot SAR– Power class 3 - Ant. B

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|--------|-----------------|------------|---------------|-------------|-------------|--|------|---------|-----------|------------|------------|----------|--------------|----------------|--------------|----------|
| Mhz | Ch. | | (MHz) | (dBm) | (dBm) | (dB) | | (dB) | | | | | (mm) | (W/kg) | | (W/kg) | |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 24.0 | 23.74 | -0.15 | Rear | 0 | 1 | 137 | 1:1 | | 10 | 0.382 | 1.062 | 0.406 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 24.0 | 23.59 | 0.12 | Rear | 0 | 135 | 69 | 1:1 | | 10 | 0.377 | 1.099 | 0.414 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 24.0 | 23.74 | 0.18 | Front | 0 | 1 | 137 | 1:1 | | 10 | 0.379 | 1.062 | 0.402 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 24.0 | 23.59 | -0.12 | Front | 0 | 135 | 69 | 1:1 | | 10 | 0.368 | 1.099 | 0.404 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 24.0 | 23.74 | -0.16 | Left | 0 | 1 | 137 | 1:1 | | 10 | 0.207 | 1.062 | 0.220 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 24.0 | 23.59 | -0.11 | Left | 0 | 135 | 69 | 1:1 | | 10 | 0.213 | 1.099 | 0.234 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 24.0 | 23.74 | -0.10 | Bottom | 0 | 1 | 137 | 1:1 | | 10 | 0.769 | 1.062 | 0.817 | 107 |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 24.0 | 23.59 | -0.08 | Bottom | 0 | 135 | 69 | 1:1 | | 10 | 0.749 | 1.099 | 0.823 | 108 |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 24.0 | 23.54 | -0.11 | Bottom | 0 | 270 | 0 | 1:1 | | 10 | 0.553 | 1.112 | 0.615 | - |
| 2592.99 | 518598 | CP QPSK | 100 | 23.5 | 21.45 | 0.09 | Bottom | 0.5 | 1 | 1 | 1:1 | | 10 | 0.378 | 1.603 | 0.606 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | | |

NR Band n41 Hotspot SAR– Power class 2 - Ant. B

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|--------|-----------------|------------|---------------|-------------|-------------|--|------|---------|-----------|------------|------------|----------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | (MHz) | (dBm) | (dBm) | (dB) | | (dB) | | | | | (mm) | (W/kg) | | (W/kg) | |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 24.0 | 23.19 | -0.18 | Rear | 0 | 1 | 137 | 1:1 | | 10 | 0.267 | 1.205 | 0.322 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 24.0 | 23.23 | 0.04 | Rear | 0 | 135 | 69 | 1:1 | | 10 | 0.256 | 1.194 | 0.306 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 24.0 | 23.19 | 0.02 | Front | 0 | 1 | 137 | 1:1 | | 10 | 0.274 | 1.205 | 0.330 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 24.0 | 23.23 | 0.16 | Front | 0 | 135 | 69 | 1:1 | | 10 | 0.270 | 1.194 | 0.322 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 24.0 | 23.19 | -0.14 | Left | 0 | 1 | 137 | 1:1 | | 10 | 0.166 | 1.205 | 0.200 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 24.0 | 23.23 | -0.10 | Left | 0 | 135 | 69 | 1:1 | | 10 | 0.158 | 1.194 | 0.189 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 24.0 | 23.19 | -0.04 | Bottom | 0 | 1 | 137 | 1:1 | | 10 | 0.610 | 1.205 | 0.735 | 109 |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 24.0 | 23.23 | -0.11 | Bottom | 0 | 135 | 69 | 1:1 | | 10 | 0.555 | 1.194 | 0.663 | - |
| 2592.99 | 518598 | DFT-s OFDM QPSK | 100 | 24.0 | 22.90 | -0.11 | Bottom | 0 | 270 | 0 | 1:1 | | 10 | 0.556 | 1.288 | 0.716 | - |
| 2592.99 | 518598 | CP QPSK | 100 | 24.0 | 22.96 | 0.05 | Bottom | 0 | 1 | 1 | 1:1 | | 10 | 0.385 | 1.271 | 0.489 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | | |

NR Band n66 Hotspot SAR- Ant. A

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|--------|-----------------|------------|---------------|-------------|-------------|--|------|---------|-----------|------------|------------|----------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | (Mhz) | (dBm) | (dBm) | (dB) | | (dB) | | | | | | (mm) | (W/kg) | (W/kg) | |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 20.5 | 19.31 | 0.17 | Rear | 0 | 1 | 214 | 1:1 | 51 | 10 | 0.538 | 1.315 | 0.707 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 20.5 | 19.54 | -0.03 | Rear | 0 | 108 | 54 | 1:1 | 51 | 10 | 0.523 | 1.247 | 0.652 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 20.5 | 19.31 | 0.18 | Front | 0 | 1 | 214 | 1:1 | 51 | 10 | 0.480 | 1.315 | 0.631 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 20.5 | 19.54 | 0.10 | Front | 0 | 108 | 54 | 1:1 | 51 | 10 | 0.446 | 1.247 | 0.556 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 20.5 | 19.31 | -0.10 | Left | 0 | 1 | 214 | 1:1 | 51 | 10 | 0.061 | 1.315 | 0.080 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 20.5 | 19.54 | -0.14 | Left | 0 | 108 | 54 | 1:1 | 51 | 10 | 0.060 | 1.247 | 0.075 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 20.5 | 19.31 | -0.01 | Right | 0 | 1 | 214 | 1:1 | 51 | 10 | 0.085 | 1.315 | 0.112 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 20.5 | 19.54 | -0.14 | Right | 0 | 108 | 54 | 1:1 | 51 | 10 | 0.076 | 1.247 | 0.095 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 20.5 | 19.31 | 0.02 | Bottom | 0 | 1 | 214 | 1:1 | 51 | 10 | 0.778 | 1.315 | 1.023 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 20.5 | 19.54 | 0.02 | Bottom | 0 | 108 | 54 | 1:1 | 51 | 10 | 0.827 | 1.247 | 1.031 | 110 |
| 1 745 | 349000 | CP QPSK | 40 | 20.5 | 19.34 | -0.17 | Bottom | 0 | 1 | 1 | 1:1 | 51 | 10 | 0.678 | 1.306 | 0.885 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 20.5 | 19.54 | 0.09 | Bottom | 0 | 108 | 54 | 1:1 | 51 | 10 | 0.783 | 1.247 | 0.976 | * |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | | |

Note: * Data entry indicate Variability measurement.

NR Band n71 Hotspot SAR- Ant. A

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|--------|-----------------|------------|---------------|-------------|-------------|--|-----|---------|-----------|------------|------------|----------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | (Mhz) | (dBm) | (dBm) | (dB) | | | | | | | | | | | |
| 680.5 | 136100 | DFT-s OFDM QPSK | 20 | 25.5 | 24.35 | 0.02 | Rear | 0 | 1 | 1 | 1:1 | 1 | 10 | 0.311 | 1.303 | 0.405 | 111 |
| 680.5 | 136100 | DFT-s OFDM QPSK | 20 | 25.5 | 24.33 | -0.05 | Rear | 0 | 50 | 28 | 1:1 | 1 | 10 | 0.305 | 1.309 | 0.400 | - |
| 680.5 | 136100 | DFT-s OFDM QPSK | 20 | 25.5 | 24.35 | 0.04 | Front | 0 | 1 | 1 | 1:1 | 1 | 10 | 0.232 | 1.303 | 0.303 | - |
| 680.5 | 136100 | DFT-s OFDM QPSK | 20 | 25.5 | 24.33 | -0.14 | Front | 0 | 50 | 28 | 1:1 | 1 | 10 | 0.225 | 1.309 | 0.295 | - |
| 680.5 | 136100 | DFT-s OFDM QPSK | 20 | 25.5 | 24.35 | -0.09 | Left | 0 | 1 | 1 | 1:1 | 1 | 10 | 0.158 | 1.303 | 0.205 | - |
| 680.5 | 136100 | DFT-s OFDM QPSK | 20 | 25.5 | 24.33 | 0.10 | Left | 0 | 50 | 28 | 1:1 | 1 | 10 | 0.152 | 1.309 | 0.199 | - |
| 680.5 | 136100 | DFT-s OFDM QPSK | 20 | 25.5 | 24.35 | 0.13 | Right | 0 | 1 | 1 | 1:1 | 1 | 10 | 0.212 | 1.303 | 0.277 | - |
| 680.5 | 136100 | DFT-s OFDM QPSK | 20 | 25.5 | 24.33 | -0.03 | Right | 0 | 50 | 28 | 1:1 | 1 | 10 | 0.210 | 1.309 | 0.274 | - |
| 680.5 | 136100 | DFT-s OFDM QPSK | 20 | 25.5 | 24.35 | 0.06 | Bottom | 0 | 1 | 1 | 1:1 | 1 | 10 | 0.189 | 1.303 | 0.246 | - |
| 680.5 | 136100 | DFT-s OFDM QPSK | 20 | 25.5 | 24.33 | 0.14 | Bottom | 0 | 50 | 28 | 1:1 | 1 | 10 | 0.182 | 1.309 | 0.238 | - |
| 680.5 | 136100 | CP QPSK | 20 | 24.0 | 23.02 | -0.04 | Rear | 1.5 | 1 | 1 | 1:1 | 1 | 10 | 0.152 | 1.253 | 0.190 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | | |

NR Band n77 Hotspot SAR - Power Class 3 - Ant. H

| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
|--|--------|-----------------|------------|---------------|-------------|-------------|--|-----|---------|-----------|------------|------------|----------|-----------|----------------|--------------|----------|
| Mhz | Ch. | | (Mhz) | (dBm) | (dBm) | (dB) | | | | | | | | | | | |
| 3930 | 662000 | DFT-s OFDM QPSK | 100 | 25.0 | 24.02 | 0.15 | Rear | 0 | 1 | 137 | 1:1 | | 10 | 0.197 | 1.253 | 0.247 | - |
| 3930 | 662000 | DFT-s OFDM QPSK | 100 | 25.0 | 24.04 | -0.17 | Rear | 0 | 135 | 69 | 1:1 | | 10 | 0.145 | 1.247 | 0.181 | - |
| 3930 | 662000 | DFT-s OFDM QPSK | 100 | 25.0 | 24.02 | -0.14 | Front | 0 | 1 | 137 | 1:1 | | 10 | 0.225 | 1.253 | 0.282 | - |
| 3930 | 662000 | DFT-s OFDM QPSK | 100 | 25.0 | 24.04 | -0.19 | Front | 0 | 135 | 69 | 1:1 | | 10 | 0.204 | 1.247 | 0.254 | - |
| 3930 | 662000 | DFT-s OFDM QPSK | 100 | 25.0 | 24.02 | 0.12 | Left | 0 | 1 | 137 | 1:1 | | 10 | 0.171 | 1.253 | 0.214 | - |
| 3930 | 662000 | DFT-s OFDM QPSK | 100 | 25.0 | 24.04 | 0.15 | Left | 0 | 135 | 69 | 1:1 | | 10 | 0.278 | 1.247 | 0.347 | 112 |
| 3930 | 662000 | DFT-s OFDM QPSK | 100 | 25.0 | 24.02 | -0.19 | Top | 0 | 1 | 137 | 1:1 | | 10 | 0.200 | 1.253 | 0.251 | - |
| 3930 | 662000 | DFT-s OFDM QPSK | 100 | 25.0 | 24.04 | -0.03 | Top | 0 | 135 | 69 | 1:1 | | 10 | 0.162 | 1.247 | 0.202 | - |
| 3930 | 662000 | CP QPSK | 100 | 23.5 | 22.28 | -0.04 | Left | 1.5 | 1 | 1 | 1:1 | | 10 | 0.124 | 1.324 | 0.164 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | | |

| NR Band n77 Hotspot SAR - Power Class 2- Ant. H | | | | | | | | | | | | | | | | | |
|--|--------|-----------------|------------|---------------|-------------|-------------|---------------|--|---------|-----------|------------|------------|----------|-----------|----------------|--------------|----------|
| Frequency | | Mode | Band width | Tune-Up Limit | Meas. Power | Power Drift | Test Position | MPR | RB Size | RB offset | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
| Mhz | Ch. | | (MHz) | (dBm) | (dBm) | (dB) | | | | | | | (mm) | | | (W/kg) | |
| 3930 | 662000 | DFT-s OFDM QPSK | 100 | 27.5 | 26.52 | 0.01 | Rear | 0 | 1 | 137 | 1:1 | | 10 | 0.317 | 1.253 | 0.397 | - |
| 3930 | 662000 | DFT-s OFDM QPSK | 100 | 27.5 | 26.54 | -0.13 | Rear | 0 | 135 | 69 | 1:1 | | 10 | 0.239 | 1.247 | 0.298 | - |
| 3930 | 662000 | DFT-s OFDM QPSK | 100 | 27.5 | 26.52 | 0.09 | Front | 0 | 1 | 137 | 1:1 | | 10 | 0.202 | 1.253 | 0.253 | - |
| 3930 | 662000 | DFT-s OFDM QPSK | 100 | 27.5 | 26.54 | 0.02 | Front | 0 | 135 | 69 | 1:1 | | 10 | 0.227 | 1.247 | 0.283 | - |
| 3750 | 650000 | DFT-s OFDM QPSK | 100 | 27.5 | 26.02 | -0.13 | Left | 0 | 1 | 137 | 1:1 | | 10 | 0.372 | 1.406 | 0.523 | 113 |
| 3840 | 656000 | DFT-s OFDM QPSK | 100 | 27.5 | 26.48 | 0.12 | Left | 0 | 1 | 271 | 1:1 | | 10 | 0.320 | 1.265 | 0.405 | - |
| 3930 | 662000 | DFT-s OFDM QPSK | 100 | 27.5 | 26.52 | 0.12 | Left | 0 | 1 | 137 | 1:1 | | 10 | 0.336 | 1.253 | 0.421 | - |
| 3750 | 650000 | DFT-s OFDM QPSK | 100 | 27.5 | 26.07 | 0.11 | Left | 0 | 135 | 69 | 1:1 | | 10 | 0.342 | 1.390 | 0.475 | - |
| 3840 | 656000 | DFT-s OFDM QPSK | 100 | 27.5 | 26.33 | 0.19 | Left | 0 | 135 | 69 | 1:1 | | 10 | 0.242 | 1.309 | 0.317 | - |
| 3930 | 662000 | DFT-s OFDM QPSK | 100 | 27.5 | 26.54 | 0.07 | Left | 0 | 135 | 69 | 1:1 | | 10 | 0.330 | 1.247 | 0.412 | - |
| 3930 | 662000 | DFT-s OFDM QPSK | 100 | 27.5 | 25.55 | 0.01 | Left | 0 | 270 | 0 | 1:1 | | 10 | 0.237 | 1.567 | 0.371 | - |
| 3930 | 662000 | DFT-s OFDM QPSK | 100 | 27.5 | 26.52 | 0.12 | Top | 0 | 1 | 137 | 1:1 | | 10 | 0.245 | 1.253 | 0.307 | - |
| 3930 | 662000 | DFT-s OFDM QPSK | 100 | 27.5 | 26.54 | 0.12 | Top | 0 | 135 | 69 | 1:1 | | 10 | 0.257 | 1.247 | 0.320 | - |
| 3930 | 662000 | CP QPSK | 100 | 26.0 | 24.93 | 0.06 | Left | 1.5 | 1 | 1 | 1:1 | | 10 | 0.210 | 1.279 | 0.269 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | | | | | |

| DTS Hotspot SAR | | | | | | | | | | | | | | | | | |
|--|-----|---------|------------------|------------------|---------------------|-------------------|------------------|---------------|-------------|------------|---------------|--|------------------|----------------|-----------------------|---------------------|----------|
| Frequency | | Mode | Band width (MHz) | Data Rate (Mbps) | Tune-Up Limit (dBm) | Meas. Power (dBm) | Power Drift (dB) | Test Position | Ant Config. | Duty Cycle | Distance (mm) | Area Scan Peak SAR (W/kg) | Meas. SAR (W/kg) | Scaling Factor | Scaling Factor (Duty) | Reported SAR (W/kg) | Plot No. |
| MHz | Ch. | | | | | | | | | | | | | | | | |
| 2 437 | 6 | 802.11b | 20 | 1 | 20 | 19.30 | -0.18 | Rear | Ant1 | 99.0 | 10 | 1.01 | 0.599 | 1.175 | 1.010 | 0.711 | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 20 | 19.30 | -0.16 | Front | Ant1 | 99.0 | 10 | 0.535 | 0.342 | 1.175 | 1.010 | 0.406 | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 20 | 19.30 | 0.18 | Left | Ant1 | 99.0 | 10 | 0.0887 | 0.052 | 1.175 | 1.010 | 0.062 | - |
| 2 412 | 1 | 802.11b | 20 | 1 | 20 | 19.12 | -0.02 | Top | Ant1 | 99.0 | 10 | 0.677 | 0.424 | 1.225 | 1.010 | 0.525 | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 20 | 19.30 | -0.14 | Top | Ant1 | 99.0 | 10 | 1.24 | 0.728 | 1.175 | 1.010 | 0.864 | 114 |
| 2 447 | 8 | 802.11b | 20 | 1 | 20 | 19.21 | 0.06 | Top | Ant1 | 99.0 | 10 | 0.678 | 0.419 | 1.199 | 1.010 | 0.507 | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 20 | 18.69 | 0.17 | Rear | Ant2 | 99.0 | 10 | 0.114 | 0.074 | 1.352 | 1.010 | 0.101 | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 20 | 18.69 | 0.12 | Front | Ant2 | 99.0 | 10 | 0.0841 | 0.056 | 1.352 | 1.010 | 0.076 | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 20 | 18.69 | 0.13 | Left | Ant2 | 99.0 | 10 | 0.156 | 0.100 | 1.352 | 1.010 | 0.137 | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 20 | 18.69 | 0.12 | Top | Ant2 | 99.0 | 10 | 0.035 | 0.023 | 1.352 | 1.010 | 0.031 | - |
| 2 412 | 1 | 802.11g | 20 | 6 | 20 | 19.69 | -0.11 | Rear | MIMO | 93.6 | 10 | 0.257 | 0.166 | 1.119 | 1.068 | 0.198 | - |
| 2 412 | 1 | 802.11g | 20 | 6 | 20 | 19.69 | 0.03 | Front | MIMO | 93.6 | 10 | 0.231 | 0.147 | 1.119 | 1.068 | 0.176 | - |
| 2 412 | 1 | 802.11g | 20 | 6 | 20 | 19.69 | 0.07 | Left | MIMO | 93.6 | 10 | 0.171 | 0.104 | 1.119 | 1.068 | 0.124 | - |
| 2 412 | 1 | 802.11g | 20 | 6 | 20 | 19.69 | -0.17 | Top | MIMO | 93.6 | 10 | 0.604 | 0.367 | 1.119 | 1.068 | 0.439 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | |

DTS Hotspot SAR–mmWave/RSBD

| Frequency | | Mode | Band width (MHz) | Data Rate (Mbps) | Tune-Up Limit (dBm) | Meas. Power (dBm) | Power Drift (dB) | Test Position | Ant Config. | Duty Cycle | Distance (mm) | Area Scan Peak SAR (W/kg) | Meas. SAR (W/kg) | Scaling Factor | Scaling Factor (Duty) | Reported SAR (W/kg) | Plot No. |
|--|-----|---------|------------------|------------------|---------------------|-------------------|------------------|---------------|-------------|------------|---------------|--|------------------|----------------|-----------------------|---------------------|----------|
| MHz | Ch. | | | | | | | | | | | | | | | | |
| 2 437 | 6 | 802.11b | 20 | 1 | 14 | 13.26 | -0.18 | Rear | Ant1 | 99.0 | 10 | 0.298 | 0.188 | 1.186 | 1.010 | 0.225 | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 14 | 13.26 | -0.18 | Front | Ant1 | 99.0 | 10 | 0.193 | 0.122 | 1.186 | 1.010 | 0.146 | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 14 | 13.26 | 0.13 | Left | Ant1 | 99.0 | 10 | 0.061 | 0.038 | 1.186 | 1.010 | 0.046 | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 14 | 13.26 | 0.13 | Top | Ant1 | 99.0 | 10 | 0.613 | 0.380 | 1.186 | 1.010 | 0.455 | 115 |
| 2 437 | 6 | 802.11b | 20 | 1 | 14 | 13.38 | 0.18 | Rear | Ant2 | 99.0 | 10 | 0.0313 | 0.020 | 1.153 | 1.010 | 0.023 | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 14 | 13.38 | 0.16 | Front | Ant2 | 99.0 | 10 | 0.0317 | 0.019 | 1.153 | 1.010 | 0.022 | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 14 | 13.38 | 0.19 | Left | Ant2 | 99.0 | 10 | 0.0434 | 0.026 | 1.153 | 1.010 | 0.030 | - |
| 2 437 | 6 | 802.11b | 20 | 1 | 14 | 13.38 | -0.13 | Top | Ant2 | 99.0 | 10 | 0.0105 | 0.00686 | 1.153 | 1.010 | 0.008 | - |
| 2 462 | 11 | 802.11g | 20 | 6 | 17 | 16.49 | -0.12 | Rear | MIMO | 93.6 | 10 | 0.256 | 0.156 | 1.130 | 1.068 | 0.188 | - |
| 2 462 | 11 | 802.11g | 20 | 6 | 17 | 16.49 | -0.05 | Front | MIMO | 93.6 | 10 | 0.170 | 0.109 | 1.130 | 1.068 | 0.132 | - |
| 2 462 | 11 | 802.11g | 20 | 6 | 17 | 16.49 | 0.17 | Left | MIMO | 93.6 | 10 | 0.148 | 0.093 | 1.130 | 1.068 | 0.112 | - |
| 2 462 | 11 | 802.11g | 20 | 6 | 17 | 16.49 | 0.19 | Top | MIMO | 93.6 | 10 | 0.408 | 0.249 | 1.130 | 1.068 | 0.301 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | |

- * Power Reduction condition during simultaneous conditions with 5 GHz WLAN
- * Power Reduction condition during simultaneous conditions with mmWave and/or 5 GHz WLAN
- * Since the result of the above mode was the worst case condition than the RSBD mode, it was applied to the simultaneous transmission evaluation of the WLAN RSDB mode.

5 GHz WLAN Hotspot SAR

| Frequency | | Mode | Band width (MHz) | Data Rate (Mbps) | Tune-Up Limit (dBm) | Meas. Power (dBm) | Power Drift (dB) | Test Position | Ant Config. | Duty Cycle | Distance (mm) | Area Scan Peak SAR (W/kg) | Meas. SAR (W/kg) | Scaling Factor | Scaling Factor (Duty) | Reported SAR (W/kg) | Plot No. |
|--|-----|---------|------------------|------------------|---------------------|-------------------|------------------|---------------|-------------|------------|---------------|--|------------------|----------------|-----------------------|---------------------|----------|
| MHz | Ch. | | | | | | | | | | | | | | | | |
| 5 745 | 149 | 802.11a | 20 | 6 | 18 | 17.69 | 0.13 | Rear | Ant1 | 93.6 | 10 | 0.970 | 0.408 | 1.074 | 1.068 | 0.468 | 116 |
| 5 745 | 149 | 802.11a | 20 | 6 | 18 | 17.69 | -0.14 | Front | Ant1 | 93.6 | 10 | 0.418 | 0.171 | 1.074 | 1.068 | 0.196 | - |
| 5 745 | 149 | 802.11a | 20 | 6 | 18 | 17.69 | 0.14 | Left | Ant1 | 93.6 | 10 | 1.2 | 0.486 | 1.074 | 1.068 | 0.557 | - |
| 5 745 | 149 | 802.11a | 20 | 6 | 18 | 17.69 | 0.15 | Top | Ant1 | 93.6 | 10 | 0.707 | 0.277 | 1.074 | 1.068 | 0.318 | - |
| 5 745 | 149 | 802.11a | 20 | 6 | 18 | 17.84 | -0.10 | Rear | Ant2 | 93.6 | 10 | 0.177 | 0.030 | 1.038 | 1.068 | 0.033 | - |
| 5 745 | 149 | 802.11a | 20 | 6 | 18 | 17.84 | 0.01 | Front | Ant2 | 93.6 | 10 | 0.0966 | 0.027 | 1.038 | 1.068 | 0.030 | - |
| 5 745 | 149 | 802.11a | 20 | 6 | 18 | 17.84 | 0.18 | Left | Ant2 | 93.6 | 10 | 0.146 | 0.053 | 1.038 | 1.068 | 0.059 | - |
| 5 745 | 149 | 802.11a | 20 | 6 | 18 | 17.84 | 0.16 | Top | Ant2 | 93.6 | 10 | 0.0571 | 0.019 | 1.038 | 1.068 | 0.021 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | |

5 GHz WLAN Hotspot SAR –mmWave/RSD

| Frequency | | Mode | Band width (MHz) | Data Rate (Mbps) | Tune-Up Limit (dBm) | Meas. Power (dBm) | Power Drift (dB) | Test Position | Ant Config. | Duty Cycle | Distance (mm) | Area Scan Pe0.970ak SAR (W/kg) | Meas. SAR (W/kg) | Scaling Factor | Scaling Factor (Duty) | Reported SAR (W/kg) | Plot No. |
|--|-----|----------|------------------|------------------|---------------------|-------------------|------------------|---------------|-------------|------------|---------------|--|------------------|----------------|-----------------------|---------------------|----------|
| MHz | Ch. | | | | | | | | | | | | | | | | |
| 5775 | 155 | 802.11ac | 80 | MCS0 | 11 | 10.55 | 0.17 | Rear | Ant1 | 86.05 | 10 | 0.338 | 0.145 | 1.109 | 1.162 | 0.187 | - |
| 5775 | 155 | 802.11ac | 80 | MCS0 | 11 | 10.55 | -0.16 | Front | Ant1 | 86.05 | 10 | 0.135 | 0.044 | 1.109 | 1.162 | 0.057 | - |
| 5775 | 155 | 802.11ac | 80 | MCS0 | 11 | 10.55 | 0.01 | Left | Ant1 | 86.05 | 10 | 0.537 | 0.215 | 1.109 | 1.162 | 0.277 | 117 |
| 5775 | 155 | 802.11ac | 80 | MCS0 | 11 | 10.55 | 0.03 | Top | Ant1 | 86.05 | 10 | 0.223 | 0.089 | 1.109 | 1.162 | 0.115 | - |
| 5775 | 155 | 802.11ac | 80 | MCS0 | 11 | 10.41 | 0.01 | Rear | Ant2 | 86.05 | 10 | 0.117 | 0.016 | 1.146 | 1.162 | 0.021 | - |
| 5775 | 155 | 802.11ac | 80 | MCS0 | 11 | 10.41 | 0.01 | Front | Ant2 | 86.05 | 10 | 0.00801 | 0.014 | 1.146 | 1.162 | 0.019 | - |
| 5775 | 155 | 802.11ac | 80 | MCS0 | 11 | 10.41 | 0.12 | Left | Ant2 | 86.05 | 10 | 0.0967 | 0.040 | 1.146 | 1.162 | 0.053 | - |
| 5775 | 155 | 802.11ac | 80 | MCS0 | 11 | 10.41 | 0.10 | Top | Ant2 | 86.05 | 10 | 0.025 | 0.00938 | 1.146 | 1.162 | 0.012 | - |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | |

* Power Reduction condition during simultaneous conditions with 2.4 GHz WLAN

* Power Reduction condition during simultaneous conditions with mmWave and/or 2.4 GHz WLAN

DSS Tethering SAR

| Frequency | | Mode | Tune-Up Limit | Meas. Power | Power Drift | Test Position | Distance | Meas. SAR | Scaling Factor | Scaling Factor (Duty) | Scaled SAR (W/kg) | Plot No. |
|--|-----|---------------|---------------|-------------|-------------|---------------|--|-----------|----------------|-----------------------|-------------------|----------|
| MHz | Ch. | | (dBm) | (dBm) | (dB) | | (mm) | (W/kg) | | | | |
| 2 480 | 78 | Bluetooth DH5 | 14.5 | 13.91 | 0.18 | Rear | 10 | 0.104 | 1.146 | 1.300 | 0.155 | - |
| 2 480 | 78 | Bluetooth DH5 | 14.5 | 13.91 | 0.12 | Front | 10 | 0.051 | 1.146 | 1.300 | 0.076 | - |
| 2 480 | 78 | Bluetooth DH5 | 14.5 | 13.91 | 0.05 | Left | 10 | 0.011 | 1.146 | 1.300 | 0.016 | - |
| 2 480 | 78 | Bluetooth DH5 | 14.5 | 13.91 | -0.08 | Top | 10 | 0.137 | 1.146 | 1.300 | 0.204 | 118 |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Body 1.6 W/kg Averaged over 1 gram | | | | | |

13.4 Phablet SAR Measurement Considerations

Per FCC KDB 648474 D04v01r03, this device is considered a “Phablet” since the diagonal dimension is greater than 160 mm and less than 200 mm. Therefore, extremity SAR tests are required when wireless router mode does not apply or if wireless router 1g SAR >1.2 W/kg. When hotspot mode applies, 10g SAR required only for the surfaces and edges with hotspot mode scaled to the maximum output power (including tolerance) is 1g SAR > 1.2 W/kg.

13.5 Phablet SAR Measurement Results (DSI=1)

| PCS CDMA Phablet SAR10g- Ant. A | | | | | | | | | | | | | | | |
|--|------|----------|------------|---------------|-------------|-------------|--|--------|------------|------------|----------|-----------|----------------|--------------|----------|
| Frequency | | Mode | | Tune-Up Limit | Meas. Power | Power Drift | Test Position | Sensor | Duty Cycle | Ant. State | Distance | Meas. SAR | Scaling Factor | Scaled SAR | Plot No. |
| MHz | Ch. | | | (dB) | (dB) | (dB) | | | | | | (mm) | | (W/kg) | |
| 1 908.75 | 1175 | PCS CDMA | EVDO Rev.0 | 24.5 | 23.44 | 0.11 | Rear | OFF | 1:1 | 115 | 8 | 0.974 | 1.276 | 1.243 | - |
| 1 908.75 | 1175 | PCS CDMA | EVDO Rev.0 | 24.5 | 23.44 | -0.07 | Front | OFF | 1:1 | 115 | 6 | 1.11 | 1.276 | 1.416 | - |
| 1 908.75 | 1175 | PCS CDMA | EVDO Rev.0 | 24.5 | 23.44 | 0.11 | Bottom | OFF | 1:1 | 115 | 13 | 0.996 | 1.276 | 1.271 | - |
| 1 908.75 | 1175 | PCS CDMA | EVDO Rev.0 | 24.5 | 23.44 | 0.13 | Left | N/A | 1:1 | 115 | 0 | 0.591 | 1.276 | 0.754 | - |
| 1 908.75 | 1175 | PCS CDMA | EVDO Rev.0 | 24.5 | 23.44 | 0.16 | Right | N/A | 1:1 | 115 | 0 | 0.263 | 1.276 | 0.336 | - |
| 1 908.75 | 1175 | PCS CDMA | EVDO Rev.0 | 20.5 | 20.03 | 0.18 | Rear | ON | 1:1 | 115 | 0 | 1.17 | 1.114 | 1.303 | - |
| 1 908.75 | 1175 | PCS CDMA | EVDO Rev.0 | 20.5 | 20.03 | 0.01 | Front | ON | 1:1 | 115 | 0 | 1.36 | 1.114 | 1.515 | - |
| 1 908.75 | 1175 | PCS CDMA | EVDO Rev.0 | 20.5 | 20.03 | 0.13 | Bottom | ON | 1:1 | 115 | 0 | 1.39 | 1.114 | 1.548 | 119 |
| ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Hand 4.0 W/kg Averaged over 10gram | | | | | | | | |

| GSM 1900 Phablet SAR 10g- Ant. A | | | | | | | | | | | | | | |
|--|-----|----------|--------------------|------------------|------------------|---------------|---|------------|------------|---------------|------------------|----------------|-------------------|----------|
| Frequency | | Mode | Tune-Up Limit (dB) | Meas. Power (dB) | Power Drift (dB) | Test Position | Sensor | Duty Cycle | Ant. State | Distance (mm) | Meas. SAR (W/kg) | Scaling Factor | Scaled SAR (W/kg) | Plot No. |
| MHz | Ch. | | | | | | | | | | | | | |
| 1 880 | 661 | GPRS 3Tx | 28.0 | 27.56 | 0.07 | Rear | OFF | 1:2.77 | 115 | 8 | 0.538 | 1.107 | 0.596 | - |
| 1 880 | 661 | GPRS 3Tx | 28.0 | 27.56 | -0.18 | Front | OFF | 1:2.77 | 115 | 6 | 0.617 | 1.107 | 0.683 | - |
| 1 880 | 661 | GPRS 3Tx | 28.0 | 27.56 | 0.10 | Bottom | OFF | 1:2.77 | 115 | 13 | 0.594 | 1.107 | 0.658 | - |
| 1 880 | 661 | GPRS 3Tx | 28.0 | 27.56 | -0.11 | Left | N/A | 1:2.77 | 115 | 0 | 0.330 | 1.107 | 0.365 | - |
| 1 880 | 661 | GPRS 3Tx | 28.0 | 27.56 | 0.13 | Right | N/A | 1:2.77 | 115 | 0 | 0.236 | 1.107 | 0.261 | - |
| 1 880 | 661 | GPRS 2Tx | 23.5 | 22.25 | -0.11 | Rear | ON | 1:4.149 | 115 | 0 | 0.619 | 1.334 | 0.826 | - |
| 1 880 | 661 | GPRS 2Tx | 23.5 | 22.25 | 0.01 | Front | ON | 1:4.149 | 115 | 0 | 0.821 | 1.334 | 1.095 | 120 |
| 1 880 | 661 | GPRS 2Tx | 23.5 | 22.25 | 0.15 | Bottom | ON | 1:4.149 | 115 | 0 | 0.793 | 1.334 | 1.058 | - |
| NSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | Hand 4.0 W/kg Averaged over 10 gram | | | | | | | |

UMTS 1700 Phablet SAR 10g- Ant. A

| Frequency | | Mode | Tune-Up Limit (dB) | Meas. Power (dB) | Power Drift (dB) | Test Position | Sensor | Duty Cycle | Ant. State | Distance (mm) | Meas. SAR (W/kg) | Scaling Factor | Scaled SAR (W/kg) | Plot No. |
|---|------|------|--------------------|------------------|------------------|---------------|--------|---|------------|---------------|------------------|----------------|-------------------|----------|
| MHz | Ch. | | | | | | | | | | | | | |
| 1 732.4 | 1412 | RMC | 24.5 | 23.77 | 0.01 | Rear | OFF | 1:1 | 51 | 8 | 1.05 | 1.183 | 1.242 | - |
| 1 732.4 | 1412 | RMC | 24.5 | 23.77 | -0.10 | Front | OFF | 1:1 | 51 | 6 | 1.23 | 1.183 | 1.455 | - |
| 1 732.4 | 1412 | RMC | 24.5 | 23.77 | -0.03 | Bottom | OFF | 1:1 | 51 | 13 | 0.966 | 1.183 | 1.143 | - |
| 1 732.4 | 1412 | RMC | 24.5 | 23.77 | 0.08 | Left | N/A | 1:1 | 51 | 0 | 0.697 | 1.183 | 0.825 | - |
| 1 732.4 | 1412 | RMC | 24.5 | 23.77 | 0.15 | Right | N/A | 1:1 | 51 | 0 | 0.422 | 1.183 | 0.499 | - |
| 1 732.4 | 1412 | RMC | 19.5 | 18.89 | 0.15 | Rear | ON | 1:1 | 51 | 0 | 1.04 | 1.151 | 1.197 | - |
| 1 732.4 | 1412 | RMC | 19.5 | 18.89 | 0.01 | Front | ON | 1:1 | 51 | 0 | 1.29 | 1.151 | 1.485 | - |
| 1 732.4 | 1412 | RMC | 19.5 | 18.89 | 0.01 | Bottom | ON | 1:1 | 51 | 0 | 1.56 | 1.151 | 1.796 | 121 |
| ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Hand 4.0 W/kg Averaged over 10 gram | | | | | | |

UMTS 1900 Phablet SAR 10g- Ant. A

| Frequency | | Mode | Tune-Up Limit (dB) | Meas. Power (dB) | Power Drift (dB) | Test Position | Sensor | Duty Cycle | Ant. State | Distance (mm) | Meas. SAR (W/kg) | Scaling Factor | Scaled SAR (W/kg) | Plot No. |
|---|------|------|--------------------|------------------|------------------|---------------|--------|---|------------|---------------|------------------|----------------|-------------------|----------|
| MHz | Ch. | | | | | | | | | | | | | |
| 1 880.0 | 9400 | RMC | 24.5 | 24.31 | 0.11 | Rear | OFF | 1:1 | 113 | 8 | 0.823 | 1.045 | 0.860 | - |
| 1 880.0 | 9400 | RMC | 24.5 | 24.31 | 0.16 | Front | OFF | 1:1 | 113 | 6 | 1.12 | 1.045 | 1.170 | - |
| 1 880.0 | 9400 | RMC | 24.5 | 24.31 | 0.04 | Bottom | OFF | 1:1 | 113 | 13 | 1.16 | 1.045 | 1.212 | - |
| 1 880.0 | 9400 | RMC | 24.5 | 24.31 | 0.16 | Left | N/A | 1:1 | 113 | 0 | 0.843 | 1.045 | 0.881 | - |
| 1 880.0 | 9400 | RMC | 24.5 | 24.31 | 0.10 | Right | N/A | 1:1 | 113 | 0 | 0.424 | 1.045 | 0.443 | - |
| 1 880.0 | 9400 | RMC | 19.5 | 19.20 | 0.15 | Rear | ON | 1:1 | 113 | 0 | 1.02 | 1.072 | 1.093 | - |
| 1 880.0 | 9400 | RMC | 19.5 | 19.20 | 0.01 | Front | ON | 1:1 | 113 | 0 | 1.11 | 1.072 | 1.190 | - |
| 1 880.0 | 9400 | RMC | 19.5 | 19.20 | 0.01 | Bottom | ON | 1:1 | 113 | 0 | 1.50 | 1.072 | 1.608 | 122 |
| ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Hand 4.0 W/kg Averaged over 10 gram | | | | | | |

LTE Band 7 Phablet SAR 10g- Ant. B

| Frequency | | Mode | Band Width | Tune-Up Limit (dB) | Meas. Power (dB) | Power Drift (dB) | Test Position | Sensor | MPR (dB) | RB Size | RB Offset | Duty Cycle | Ant. State | Distance (mm) | Meas. SAR (W/kg) | Scaling Factor | Scaled SAR (W/kg) | Plot No. |
|---|-------|------|------------|--------------------|------------------|------------------|---------------|--------|---|---------|-----------|------------|------------|---------------|------------------|----------------|-------------------|----------|
| MHz | Ch. | | | | | | | | | | | | | | | | | |
| 2 560 | 21350 | QPSK | 20 | 24.5 | 23.82 | -0.18 | Rear | OFF | 0 | 1 | 99 | 1:1 | | 8 | 0.519 | 1.169 | 0.607 | - |
| 2 560 | 21350 | QPSK | 20 | 23.5 | 22.77 | -0.14 | Rear | OFF | 1 | 50 | 25 | 1:1 | | 8 | 0.431 | 1.183 | 0.510 | - |
| 2 560 | 21350 | QPSK | 20 | 24.5 | 23.82 | 0.01 | Front | OFF | 0 | 1 | 99 | 1:1 | | 6 | 1.01 | 1.169 | 1.181 | - |
| 2 560 | 21350 | QPSK | 20 | 23.5 | 22.77 | 0.03 | Front | OFF | 1 | 50 | 25 | 1:1 | | 6 | 0.845 | 1.183 | 1.000 | - |
| 2 560 | 21350 | QPSK | 20 | 24.5 | 23.82 | -0.06 | Bottom | OFF | 0 | 1 | 99 | 1:1 | | 13 | 0.808 | 1.169 | 0.945 | - |
| 2 560 | 21350 | QPSK | 20 | 23.5 | 22.77 | -0.18 | Bottom | OFF | 1 | 50 | 25 | 1:1 | | 13 | 0.706 | 1.183 | 0.835 | - |
| 2 560 | 21350 | QPSK | 20 | 24.5 | 23.82 | -0.16 | Left | N/A | 0 | 1 | 99 | 1:1 | | 0 | 0.687 | 1.169 | 0.803 | - |
| 2 560 | 21350 | QPSK | 20 | 23.5 | 22.77 | -0.03 | Left | N/A | 1 | 50 | 25 | 1:1 | | 0 | 0.576 | 1.183 | 0.681 | - |
| 2 510 | 20850 | QPSK | 20 | 20.5 | 19.27 | -0.13 | Rear | ON | 0 | 1 | 49 | 1:1 | | 0 | 1.37 | 1.327 | 1.818 | - |
| 2 535 | 21100 | QPSK | 20 | 20.5 | 19.56 | 0.11 | Rear | ON | 0 | 1 | 0 | 1:1 | | 0 | 1.43 | 1.242 | 1.776 | - |
| 2 560 | 21350 | QPSK | 20 | 20.5 | 19.57 | -0.14 | Rear | ON | 0 | 1 | 0 | 1:1 | | 0 | 1.62 | 1.239 | 2.007 | 123 |
| 2 510 | 20850 | QPSK | 20 | 20.5 | 19.44 | 0.10 | Rear | ON | 0 | 50 | 25 | 1:1 | | 0 | 1.46 | 1.276 | 1.863 | - |
| 2 535 | 21100 | QPSK | 20 | 20.5 | 19.64 | 0.13 | Rear | ON | 0 | 50 | 25 | 1:1 | | 0 | 1.64 | 1.219 | 1.999 | 124 |
| 2 560 | 21350 | QPSK | 20 | 20.5 | 19.62 | 0.10 | Rear | ON | 0 | 50 | 25 | 1:1 | | 0 | 1.53 | 1.225 | 1.874 | - |
| 2 560 | 21350 | QPSK | 20 | 20.5 | 19.59 | 0.15 | Rear | ON | 0 | 100 | 0 | 1:1 | | 0 | 1.5 | 1.233 | 1.850 | - |
| 2 510 | 20850 | QPSK | 20 | 20.5 | 19.27 | -0.09 | Front | ON | 0 | 1 | 49 | 1:1 | | 0 | 1.11 | 1.327 | 1.473 | - |
| 2 535 | 21100 | QPSK | 20 | 20.5 | 19.56 | 0.11 | Front | ON | 0 | 1 | 0 | 1:1 | | 0 | 1.18 | 1.242 | 1.466 | - |
| 2 560 | 21350 | QPSK | 20 | 20.5 | 19.57 | 0.10 | Front | ON | 0 | 1 | 0 | 1:1 | | 0 | 1.29 | 1.239 | 1.598 | - |
| 2 535 | 21100 | QPSK | 20 | 20.5 | 19.64 | -0.11 | Front | ON | 0 | 50 | 25 | 1:1 | | 0 | 1.26 | 1.219 | 1.536 | - |
| 2 560 | 21350 | QPSK | 20 | 20.5 | 19.59 | 0.14 | Front | ON | 0 | 100 | 0 | 1:1 | | 0 | 1.25 | 1.233 | 1.541 | - |
| 2 560 | 21350 | QPSK | 20 | 20.5 | 19.57 | -0.15 | Bottom | ON | 0 | 1 | 0 | 1:1 | | 0 | 0.334 | 1.239 | 0.414 | - |
| 2 535 | 21100 | QPSK | 20 | 20.5 | 19.64 | 0.15 | Bottom | ON | 0 | 50 | 25 | 1:1 | | 0 | 0.339 | 1.219 | 0.413 | - |
| ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | | Hand 4.0 W/kg Averaged over 10 gram | | | | | | | | | |

LTE Band 25 Phablet SAR 10g- Ant. A

| Frequency | | Mode | Band Width | Tune-Up Limit (dB) | Meas. Power (dB) | Power Drift (dB) | Test Position | Sensor | MPR (dB) | RB Size | RB Offset | Duty Cycle | Ant. State | Distance (mm) | Meas. SAR (W/kg) | Scaling Factor | Scaled SAR (W/kg) | Plot No. |
|-----------|-------|------|------------|--------------------|------------------|------------------|---------------|--------|----------|---------|-----------|------------|------------|---------------|------------------|----------------|-------------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | | | |
| 1 882.5 | 26365 | QPSK | 20 | 25.0 | 24.61 | -0.12 | Rear | OFF | 0 | 1 | 0 | 1:1 | 115 | 8 | 0.786 | 1.094 | 0.860 | - |
| 1 882.5 | 26365 | QPSK | 20 | 24.0 | 23.71 | -0.19 | Rear | OFF | 1 | 50 | 25 | 1:1 | 115 | 8 | 0.636 | 1.069 | 0.680 | - |
| 1 882.5 | 26365 | QPSK | 20 | 25.0 | 24.61 | -0.05 | Front | OFF | 0 | 1 | 0 | 1:1 | 115 | 6 | 1.24 | 1.094 | 1.357 | - |
| 1 882.5 | 26365 | QPSK | 20 | 24.0 | 23.71 | -0.05 | Front | OFF | 1 | 50 | 25 | 1:1 | 115 | 6 | 1.0 | 1.069 | 1.069 | - |
| 1 882.5 | 26365 | QPSK | 20 | 25.0 | 24.61 | -0.03 | Bottom | OFF | 0 | 1 | 0 | 1:1 | 115 | 13 | 1.07 | 1.094 | 1.171 | - |
| 1 882.5 | 26365 | QPSK | 20 | 24.0 | 23.71 | -0.05 | Bottom | OFF | 1 | 50 | 25 | 1:1 | 115 | 13 | 0.857 | 1.069 | 0.916 | - |
| 1 882.5 | 26365 | QPSK | 20 | 25.0 | 24.61 | -0.10 | Left | N/A | 0 | 1 | 0 | 1:1 | 115 | 0 | 0.614 | 1.094 | 0.672 | - |
| 1 882.5 | 26365 | QPSK | 20 | 24.0 | 23.71 | -0.10 | Left | N/A | 1 | 50 | 25 | 1:1 | 115 | 0 | 0.492 | 1.069 | 0.526 | - |
| 1 882.5 | 26365 | QPSK | 20 | 25.0 | 24.61 | 0.03 | Right | N/A | 0 | 1 | 0 | 1:1 | 115 | 0 | 0.366 | 1.094 | 0.400 | - |
| 1 882.5 | 26365 | QPSK | 20 | 24.0 | 23.71 | 0.13 | Right | N/A | 1 | 50 | 25 | 1:1 | 115 | 0 | 0.207 | 1.069 | 0.221 | - |
| 1 882.5 | 26365 | QPSK | 20 | 21.5 | 20.43 | 0.16 | Rear | ON | 0 | 1 | 99 | 1:1 | 115 | 0 | 1.3 | 1.279 | 1.663 | - |
| 1 882.5 | 26365 | QPSK | 20 | 21.5 | 20.57 | 0.12 | Rear | ON | 0 | 50 | 0 | 1:1 | 115 | 0 | 1.34 | 1.239 | 1.660 | - |
| 1 882.5 | 26365 | QPSK | 20 | 21.5 | 20.43 | 0.10 | Front | ON | 0 | 1 | 99 | 1:1 | 115 | 0 | 1.36 | 1.279 | 1.739 | - |
| 1 882.5 | 26365 | QPSK | 20 | 21.5 | 20.57 | 0.12 | Front | ON | 0 | 50 | 0 | 1:1 | 115 | 0 | 1.28 | 1.239 | 1.586 | - |
| 1 882.5 | 26365 | QPSK | 20 | 21.5 | 20.43 | 0.01 | Bottom | ON | 0 | 1 | 99 | 1:1 | 115 | 0 | 1.44 | 1.279 | 1.842 | 125 |
| 1 882.5 | 26365 | QPSK | 20 | 21.5 | 20.57 | -0.19 | Bottom | ON | 0 | 50 | 0 | 1:1 | 115 | 0 | 1.41 | 1.239 | 1.747 | - |

ANSI/ IEEE C95.1 - 2005 – Safety Limit
Spatial Peak
Uncontrolled Exposure/ General Population

Hand
4.0 W/kg
Averaged over 10 gram

LTE Band 30 Phablet SAR 10g- Ant. B

| Frequency | | Mode | Band Width | Tune-Up Limit (dB) | Meas. Power (dB) | Power Drift (dB) | Test Position | Sensor | MPR (dB) | RB Size | RB Offset | Duty Cycle | Ant. State | Distance (mm) | Meas. SAR (W/kg) | Scaling Factor | Scaled SAR (W/kg) | Plot No. |
|-----------|-------|------|------------|--------------------|------------------|------------------|---------------|--------|----------|---------|-----------|------------|------------|---------------|------------------|----------------|-------------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | | | |
| 2 310 | 27710 | QPSK | 10 | 23.0 | 22.31 | 0.10 | Rear | OFF | 0 | 1 | 24 | 1:1 | | 8 | 0.778 | 1.172 | 0.912 | - |
| 2 310 | 27710 | QPSK | 10 | 22.0 | 21.39 | 0.14 | Rear | OFF | 1 | 25 | 0 | 1:1 | | 8 | 0.630 | 1.151 | 0.725 | - |
| 2 310 | 27710 | QPSK | 10 | 23.0 | 22.31 | -0.01 | Front | OFF | 0 | 1 | 24 | 1:1 | | 6 | 1.33 | 1.172 | 1.559 | 126 |
| 2 310 | 27710 | QPSK | 10 | 22.0 | 21.39 | -0.13 | Front | OFF | 1 | 25 | 0 | 1:1 | | 6 | 1.09 | 1.151 | 1.255 | - |
| 2 310 | 27710 | QPSK | 10 | 23.0 | 22.31 | 0.13 | Bottom | OFF | 0 | 1 | 24 | 1:1 | | 13 | 1.01 | 1.172 | 1.184 | - |
| 2 310 | 27710 | QPSK | 10 | 22.0 | 21.39 | -0.14 | Bottom | OFF | 1 | 25 | 0 | 1:1 | | 13 | 0.807 | 1.151 | 0.929 | - |
| 2 310 | 27710 | QPSK | 10 | 23.0 | 22.31 | -0.17 | Left | N/A | 0 | 1 | 24 | 1:1 | | 0 | 0.661 | 1.172 | 0.775 | - |
| 2 310 | 27710 | QPSK | 10 | 22.0 | 21.39 | 0.12 | Left | N/A | 1 | 25 | 0 | 1:1 | | 0 | 0.533 | 1.151 | 0.613 | - |
| 2 310 | 27710 | QPSK | 10 | 19.0 | 18.18 | 0.01 | Rear | ON | 0 | 1 | 0 | 1:1 | | 0 | 0.693 | 1.208 | 0.837 | - |
| 2 310 | 27710 | QPSK | 10 | 19.0 | 18.21 | 0.01 | Rear | ON | 0 | 25 | 12 | 1:1 | | 0 | 0.703 | 1.199 | 0.843 | - |
| 2 310 | 27710 | QPSK | 10 | 19.0 | 18.18 | 0.01 | Front | ON | 0 | 1 | 0 | 1:1 | | 0 | 0.759 | 1.208 | 0.917 | - |
| 2 310 | 27710 | QPSK | 10 | 19.0 | 18.21 | 0.01 | Front | ON | 0 | 25 | 12 | 1:1 | | 0 | 0.781 | 1.199 | 0.936 | - |
| 2 310 | 27710 | QPSK | 10 | 19.0 | 18.18 | 0.13 | Bottom | ON | 0 | 1 | 0 | 1:1 | | 0 | 1.19 | 1.208 | 1.438 | - |
| 2 310 | 27710 | QPSK | 10 | 19.0 | 18.21 | 0.16 | Bottom | ON | 0 | 25 | 12 | 1:1 | | 0 | 1.14 | 1.199 | 1.367 | - |

ANSI/ IEEE C95.1 - 2005 – Safety Limit
Spatial Peak
Uncontrolled Exposure/ General Population

Hand
4.0 W/kg
Averaged over 10 gram

LTE Band 41 Phablet SAR 10g- Ant. B

| Frequency | | Mode | Band Width | Tune-Up Limit (dB) | Meas. Power (dB) | Power Drift (dB) | Test Position | Sensor | MPR (dB) | RB Size | RB Offset | Duty Cycle | Ant. State | Distance (mm) | Meas. SAR (W/kg) | Scaling Factor | Scaled SAR (W/kg) | Plot No. | |
|---|-------|------|------------|--------------------|------------------|------------------|---------------|--------|---|---------|-----------|------------|------------|---------------|------------------|----------------|-------------------|--------------|-----|
| MHz | Ch. | | | | | | | | | | | | | | | | | | |
| Power class 3 | | | | | | | | | | | | | | | | | | | |
| 2 593 | 40620 | QPSK | 20 | 25.5 | 24.79 | 0.17 | Rear | OFF | 0 | 1 | 99 | 1:1.58 | | 8 | 0.314 | 1.178 | 0.370 | - | |
| 2 593 | 40620 | QPSK | 20 | 24.5 | 24.18 | 0.10 | Rear | OFF | 1 | 50 | 25 | 1:1.58 | | 8 | 0.274 | 1.076 | 0.295 | - | |
| 2 593 | 40620 | QPSK | 20 | 25.5 | 24.79 | 0.15 | Front | OFF | 0 | 1 | 99 | 1:1.58 | | 6 | 0.525 | 1.178 | 0.618 | - | |
| 2 593 | 40620 | QPSK | 20 | 24.5 | 24.18 | 0.14 | Front | OFF | 1 | 50 | 25 | 1:1.58 | | 6 | 0.458 | 1.076 | 0.493 | - | |
| 2 593 | 40620 | QPSK | 20 | 25.5 | 24.79 | -0.12 | Bottom | OFF | 0 | 1 | 99 | 1:1.58 | | 13 | 0.529 | 1.178 | 0.623 | - | |
| 2 593 | 40620 | QPSK | 20 | 24.5 | 24.18 | -0.08 | Bottom | OFF | 1 | 50 | 25 | 1:1.58 | | 13 | 0.472 | 1.076 | 0.508 | - | |
| 2 593 | 40620 | QPSK | 20 | 25.5 | 24.79 | -0.19 | Left | N/A | 0 | 1 | 99 | 1:1.58 | | 0 | 0.611 | 1.178 | 0.720 | - | |
| 2 593 | 40620 | QPSK | 20 | 24.5 | 24.18 | -0.04 | Left | N/A | 1 | 50 | 25 | 1:1.58 | | 0 | 0.534 | 1.076 | 0.575 | - | |
| 2 593 | 40620 | QPSK | 20 | 22.5 | 21.76 | 0.01 | Rear | ON | 0 | 1 | 99 | 1:1.58 | | 0 | 0.990 | 1.186 | 1.174 | - | |
| 2 593 | 40620 | QPSK | 20 | 22.5 | 21.77 | 0.01 | Rear | ON | 0 | 50 | 49 | 1:1.58 | | 0 | 1.1 | 1.183 | 1.301 | - | |
| 2 593 | 40620 | QPSK | 20 | 22.5 | 21.76 | 0.10 | Front | ON | 0 | 1 | 99 | 1:1.58 | | 0 | 0.949 | 1.186 | 1.126 | - | |
| 2 593 | 40620 | QPSK | 20 | 22.5 | 21.77 | 0.10 | Front | ON | 0 | 50 | 49 | 1:1.58 | | 0 | 1.05 | 1.183 | 1.242 | - | |
| 2 593 | 40620 | QPSK | 20 | 22.5 | 21.76 | 0.16 | Bottom | ON | 0 | 1 | 99 | 1:1.58 | | 0 | 0.872 | 1.186 | 1.034 | - | |
| 2 593 | 40620 | QPSK | 20 | 22.5 | 21.77 | 0.13 | Bottom | ON | 0 | 50 | 49 | 1:1.58 | | 0 | 0.967 | 1.183 | 1.144 | - | |
| Up-link Carrier Aggregation Power class 3 (41C) | | | | | | | | | | | | | | | | | | | |
| 2 593 | 40620 | QPSK | PCC | 20 | 22.5 | 21.75 | 0.10 | Rear | ON | 0 | 1 | 99 | 1:1.58 | | 0 | 1.3 | 1.189 | 1.546 | 127 |
| 2 612.8 | 40818 | QPSK | SCC | 20 | | | | | | | 1 | 0 | | | | | | | |
| Up-link Carrier Aggregation Power class 2 (HPUE) (41C) | | | | | | | | | | | | | | | | | | | |
| 2 593 | 40620 | QPSK | PCC | 20 | 22.5 | 22.05 | 0.18 | Rear | ON | 0 | 1 | 99 | 1:2.31 | | 0 | 1.28 | 1.109 | 1.420 | - |
| 2 612.8 | 40818 | QPSK | SCC | 20 | | | | | | | 1 | 0 | | | | | | | |
| ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | | Hand 4.0 W/kg Averaged over 10 gram | | | | | | | | | | |

LTE Band 66 Phablet SAR 10g- Ant. A

| Frequency | | Mode | Band Width | Tune-Up Limit (dB) | Meas. Power (dB) | Power Drift (dB) | Test Position | Sensor | MPR (dB) | RB Size | RB Offset | Duty Cycle | Ant. State | Distance (mm) | Meas. SAR (W/kg) | Scaling Factor | Scaled SAR (W/kg) | Plot No. | |
|---|--------|------|------------|--------------------|------------------|------------------|---------------|--------|---|---------|-----------|------------|------------|---------------|------------------|----------------|-------------------|----------|---|
| MHz | Ch. | | | | | | | | | | | | | | | | | | |
| 1 770 | 132572 | QPSK | 20 | 24.5 | 24.01 | 0.13 | Rear | OFF | 0 | 1 | 0 | 1:1 | 51 | 8 | 0.925 | 1.119 | 1.035 | - | |
| 1 745 | 132322 | QPSK | 20 | 23.5 | 23.05 | 0.14 | Rear | OFF | 1 | 50 | 49 | 1:1 | 51 | 8 | 0.769 | 1.109 | 0.853 | - | |
| 1 770 | 132572 | QPSK | 20 | 24.5 | 24.01 | 0.17 | Front | OFF | 0 | 1 | 0 | 1:1 | 51 | 6 | 1.16 | 1.119 | 1.298 | - | |
| 1 745 | 132322 | QPSK | 20 | 23.5 | 23.05 | 0.10 | Front | OFF | 1 | 50 | 49 | 1:1 | 51 | 6 | 0.973 | 1.109 | 1.079 | - | |
| 1 770 | 132572 | QPSK | 20 | 24.5 | 24.01 | 0.17 | Bottom | OFF | 0 | 1 | 0 | 1:1 | 51 | 13 | 0.802 | 1.119 | 0.897 | - | |
| 1 745 | 132322 | QPSK | 20 | 23.5 | 23.05 | 0.11 | Bottom | OFF | 1 | 50 | 49 | 1:1 | 51 | 13 | 0.408 | 1.109 | 0.452 | - | |
| 1 770 | 132572 | QPSK | 20 | 24.5 | 24.01 | 0.10 | Left | N/A | 0 | 1 | 0 | 1:1 | 51 | 0 | 0.348 | 1.119 | 0.389 | - | |
| 1 745 | 132322 | QPSK | 20 | 23.5 | 23.05 | 0.13 | Left | N/A | 1 | 50 | 49 | 1:1 | 51 | 0 | 0.256 | 1.109 | 0.284 | - | |
| 1 770 | 132572 | QPSK | 20 | 24.5 | 24.01 | 0.05 | Right | N/A | 0 | 1 | 0 | 1:1 | 51 | 0 | 0.246 | 1.119 | 0.275 | - | |
| 1 745 | 132322 | QPSK | 20 | 23.5 | 23.05 | 0.19 | Right | N/A | 1 | 50 | 49 | 1:1 | 51 | 0 | 0.179 | 1.109 | 0.199 | - | |
| 1 745 | 132322 | QPSK | 20 | 21.0 | 19.74 | 0.10 | Rear | ON | 0 | 1 | 99 | 1:1 | 51 | 0 | 1.04 | 1.337 | 1.390 | - | |
| 1 720 | 132072 | QPSK | 20 | 21.0 | 19.85 | 0.19 | Rear | ON | 0 | 50 | 49 | 1:1 | 51 | 0 | 1.08 | 1.303 | 1.407 | - | |
| 1 745 | 132322 | QPSK | 20 | 21.0 | 19.74 | 0.19 | Front | ON | 0 | 1 | 99 | 1:1 | 51 | 0 | 1.29 | 1.337 | 1.725 | - | |
| 1 720 | 132072 | QPSK | 20 | 21.0 | 19.85 | 0.16 | Front | ON | 0 | 50 | 49 | 1:1 | 51 | 0 | 1.36 | 1.303 | 1.772 | - | |
| 1 720 | 132072 | QPSK | 20 | 21.0 | 19.69 | 0.01 | Bottom | ON | 0 | 1 | 99 | 1:1 | 51 | 0 | 1.8 | 1.352 | 2.434 | 128 | |
| 1 745 | 132322 | QPSK | 20 | 21.0 | 19.74 | 0.01 | Bottom | ON | 0 | 1 | 99 | 1:1 | 51 | 0 | 1.62 | 1.337 | 2.166 | - | |
| 1 770 | 132572 | QPSK | 20 | 21.0 | 19.69 | 0.02 | Bottom | ON | 0 | 1 | 99 | 1:1 | 51 | 0 | 1.68 | 1.352 | 2.271 | - | |
| 1 720 | 132072 | QPSK | 20 | 21.0 | 19.85 | 0.03 | Bottom | ON | 0 | 50 | 49 | 1:1 | 51 | 0 | 1.73 | 1.303 | 2.254 | - | |
| 1 745 | 132322 | QPSK | 20 | 21.0 | 19.84 | -0.16 | Bottom | ON | 0 | 50 | 25 | 1:1 | 51 | 0 | 1.72 | 1.306 | 2.246 | - | |
| 1 770 | 132572 | QPSK | 20 | 21.0 | 19.81 | -0.10 | Bottom | ON | 0 | 50 | 25 | 1:1 | 51 | 0 | 1.79 | 1.315 | 2.354 | - | |
| 1 720 | 132572 | QPSK | 20 | 21.0 | 19.80 | -0.16 | Bottom | ON | 0 | 100 | 0 | 1:1 | 51 | 0 | 1.68 | 1.318 | 2.214 | - | |
| Up-link Carrier Aggregation (66B) | | | | | | | | | | | | | | | | | | | |
| 1 715 | 132022 | QPSK | PCC | 10 | 21.0 | 19.62 | -0.04 | Bottom | ON | 0 | 1 | 49 | 1:1 | 51 | 0 | 0.890 | 1.225 | 1.090 | - |
| 1724.9 | 132121 | QPSK | SCC | 10 | | | | | | | 1 | 0 | | | | | | | |
| Up-link Carrier Aggregation (66C) | | | | | | | | | | | | | | | | | | | |
| 1 745 | 132322 | QPSK | PCC | 20 | 21.0 | 19.61 | -0.07 | Bottom | ON | 0 | 1 | 99 | 1:1 | 51 | 0 | 1.39 | 1.227 | 1.706 | - |
| 1764.8 | 132520 | QPSK | SCC | 20 | | | | | | | 1 | 0 | | | | | | | |
| ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | | Hand 4.0 W/kg Averaged over 10 gram | | | | | | | | | | |

NR Band n25 Phablet SAR 10g- Ant. A

| Frequency | | Mode | Band Width | Tune-Up Limit (dB) | Meas. Power (dB) | Power Drift (dB) | Test Position | Sensor | MPR (dB) | RB Size | RB Offset | Duty Cycle | Ant. State | Distance (mm) | Meas. SAR (W/kg) | Scaling Factor | Scaled SAR (W/kg) | Plot No. |
|---|--------|-----------------|------------|--------------------|------------------|------------------|---------------|--------|---|---------|-----------|------------|------------|---------------|------------------|----------------|-------------------|----------|
| Hz | Ch. | | | | | | | | | | | | | | | | | |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 24.5 | 23.87 | 0.17 | Rear | OFF | 0 | 1 | 108 | 1:1 | 115 | 8 | 0.651 | 1.156 | 0.753 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 24.5 | 24.08 | -0.18 | Rear | OFF | 0 | 108 | 54 | 1:1 | 115 | 8 | 0.645 | 1.102 | 0.711 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 24.5 | 23.87 | 0.01 | Front | OFF | 0 | 1 | 108 | 1:1 | 115 | 6 | 0.859 | 1.156 | 0.993 | 129 |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 24.5 | 24.08 | -0.10 | Front | OFF | 0 | 108 | 54 | 1:1 | 115 | 6 | 0.829 | 1.102 | 0.914 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 24.5 | 23.87 | -0.01 | Bottom | OFF | 0 | 1 | 108 | 1:1 | 115 | 13 | 0.669 | 1.156 | 0.773 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 24.5 | 24.08 | 0.09 | Bottom | OFF | 0 | 108 | 54 | 1:1 | 115 | 13 | 0.707 | 1.102 | 0.779 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 24.5 | 23.87 | 0.10 | Left | N/A | 0 | 1 | 108 | 1:1 | 115 | 0 | 0.187 | 1.156 | 0.216 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 24.5 | 24.08 | 0.10 | Left | N/A | 0 | 108 | 54 | 1:1 | 115 | 0 | 0.188 | 1.102 | 0.207 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 24.5 | 23.87 | -0.06 | Right | N/A | 0 | 1 | 108 | 1:1 | 115 | 0 | 0.181 | 1.156 | 0.209 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 24.5 | 24.08 | 0.03 | Right | N/A | 0 | 108 | 54 | 1:1 | 115 | 0 | 0.143 | 1.102 | 0.158 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 19.5 | 18.58 | 0.11 | Rear | ON | 0 | 1 | 108 | 1:1 | 115 | 0 | 0.759 | 1.236 | 0.938 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 19.5 | 18.62 | 0.01 | Rear | ON | 0 | 108 | 54 | 1:1 | 115 | 0 | 0.772 | 1.225 | 0.946 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 19.5 | 18.58 | 0.01 | Front | ON | 0 | 1 | 108 | 1:1 | 115 | 0 | 0.727 | 1.236 | 0.899 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 19.5 | 18.62 | 0.01 | Front | ON | 0 | 108 | 0 | 1:1 | 115 | 0 | 0.780 | 1.225 | 0.956 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 19.5 | 18.58 | 0.09 | Bottom | ON | 0 | 1 | 108 | 1:1 | 115 | 0 | 0.793 | 1.236 | 0.980 | - |
| 1 882.5 | 376500 | DFT-s OFDM QPSK | 40 | 19.5 | 18.62 | 0.03 | Bottom | ON | 0 | 108 | 0 | 1:1 | 115 | 0 | 0.808 | 1.225 | 0.990 | - |
| 1 882.5 | 376500 | CP QPSK | 40 | 23.0 | 22.35 | -0.12 | Front | OFF | 0 | 1 | 1 | 1:1 | 115 | 6 | 0.722 | 1.161 | 0.838 | - |
| ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | | Hand 4.0 W/kg Averaged over 10 gram | | | | | | | | | |

NR Band n30 Phablet SAR 10g- Ant. B

| Frequency | | Mode | Band Width | Tune-Up Limit (dB) | Meas. Power (dB) | Power Drift (dB) | Test Position | Sensor | MPR (dB) | RB Size | RB Offset | Duty Cycle | Ant. State | Distance (mm) | Meas. SAR (W/kg) | Scaling Factor | Scaled SAR (W/kg) | Plot No. |
|---|--------|-----------------|------------|--------------------|------------------|------------------|---------------|--------|---|---------|-----------|------------|------------|---------------|------------------|----------------|-------------------|----------|
| Hz | Ch. | | | | | | | | | | | | | | | | | |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 24.5 | 22.79 | -0.12 | Rear | OFF | 0 | 1 | 26 | 1:1 | | 8 | 0.663 | 1.483 | 0.983 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 24.5 | 23.06 | 0.10 | Rear | OFF | 0 | 25 | 14 | 1:1 | | 8 | 0.506 | 1.393 | 0.705 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 24.5 | 22.79 | 0.13 | Front | OFF | 0 | 1 | 26 | 1:1 | | 6 | 1.06 | 1.483 | 1.572 | 130 |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 24.5 | 23.06 | -0.01 | Front | OFF | 0 | 25 | 14 | 1:1 | | 6 | 0.795 | 1.393 | 1.107 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 24.5 | 22.79 | 0.05 | Bottom | OFF | 0 | 1 | 26 | 1:1 | | 13 | 1.06 | 1.483 | 1.572 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 24.5 | 23.06 | 0.05 | Bottom | OFF | 0 | 25 | 14 | 1:1 | | 13 | 0.777 | 1.393 | 1.082 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 24.5 | 22.79 | -0.13 | Left | N/A | 0 | 1 | 26 | 1:1 | | 0 | 0.623 | 1.483 | 0.924 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 24.5 | 23.06 | 0.14 | Left | N/A | 0 | 25 | 14 | 1:1 | | 0 | 0.427 | 1.393 | 0.595 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 18.5 | 18.24 | 0.10 | Rear | ON | 0 | 1 | 26 | 1:1 | | 0 | 0.914 | 1.062 | 0.971 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 18.5 | 18.31 | 0.10 | Rear | ON | 0 | 25 | 27 | 1:1 | | 0 | 0.953 | 1.045 | 0.996 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 18.5 | 18.24 | 0.12 | Front | ON | 0 | 1 | 26 | 1:1 | | 0 | 0.744 | 1.062 | 0.790 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 18.5 | 18.31 | 0.17 | Front | ON | 0 | 25 | 27 | 1:1 | | 0 | 0.799 | 1.045 | 0.835 | - |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 18.5 | 18.24 | 0.03 | Bottom | ON | 0 | 1 | 26 | 1:1 | | 0 | 1.14 | 1.062 | 1.211 | 131 |
| 2 310 | 462000 | DFT-s OFDM QPSK | 10 | 18.5 | 18.31 | 0.01 | Bottom | ON | 0 | 25 | 27 | 1:1 | | 0 | 1.07 | 1.045 | 1.118 | - |
| 2 310 | 462000 | CP QPSK | 10 | 23.0 | 21.26 | 0.09 | Front | OFF | 0 | 1 | 1 | 1:1 | | 6 | 0.728 | 1.493 | 1.087 | - |
| ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | | Hand 4.0 W/kg Averaged over 10 gram | | | | | | | | | |

NR Band n66 (PCS) Phablet SAR 10g- Ant. A

| Frequency | | Mode | Band Width | Tune-Up Limit (dB) | Meas. Power (dB) | Power Drift (dB) | Test Position | Sensor | MPR (dB) | RB Size | RB Offset | Duty Cycle | Ant. State | Distance (mm) | Meas. SAR (W/kg) | Scaling Factor | Scaled SAR (W/kg) | Plot No. |
|---|--------|-----------------|------------|--------------------|------------------|------------------|---------------|---|----------|---------|-----------|------------|------------|---------------|------------------|----------------|-------------------|----------|
| MHz | Ch. | | | | | | | | | | | | | | | | | |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 24.5 | 24.00 | -0.01 | Rear | OFF | 0 | 1 | 108 | 1:1 | 51 | 8 | 0.855 | 1.122 | 0.959 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 24.5 | 24.25 | -0.17 | Rear | OFF | 0 | 108 | 54 | 1:1 | 51 | 8 | 0.886 | 1.059 | 0.938 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 24.5 | 24.00 | 0.16 | Front | OFF | 0 | 1 | 108 | 1:1 | 51 | 6 | 1.02 | 1.122 | 1.144 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 24.5 | 24.25 | 0.12 | Front | OFF | 0 | 108 | 54 | 1:1 | 51 | 6 | 0.982 | 1.059 | 1.040 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 24.5 | 24.00 | -0.07 | Bottom | OFF | 0 | 1 | 108 | 1:1 | 51 | 13 | 0.760 | 1.122 | 0.853 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 24.5 | 24.25 | -0.07 | Bottom | OFF | 0 | 108 | 54 | 1:1 | 51 | 13 | 0.766 | 1.059 | 0.811 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 24.5 | 24.00 | -0.16 | Left | N/A | 0 | 1 | 108 | 1:1 | 51 | 0 | 0.125 | 1.122 | 0.140 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 24.5 | 24.25 | -0.16 | Left | N/A | 0 | 108 | 54 | 1:1 | 51 | 0 | 0.120 | 1.059 | 0.127 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 24.5 | 24.00 | 0.19 | Right | N/A | 0 | 1 | 108 | 1:1 | 51 | 0 | 0.142 | 1.122 | 0.159 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 24.5 | 24.25 | 0.16 | Right | N/A | 0 | 108 | 54 | 1:1 | 51 | 0 | 0.113 | 1.059 | 0.120 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 20.5 | 19.34 | -0.10 | Rear | ON | 0 | 1 | 108 | 1:1 | 51 | 0 | 0.936 | 1.306 | 1.222 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 20.5 | 19.58 | 0.11 | Rear | ON | 0 | 108 | 54 | 1:1 | 51 | 0 | 1.03 | 1.236 | 1.273 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 20.5 | 19.34 | 0.12 | Front | ON | 0 | 1 | 108 | 1:1 | 51 | 0 | 1.07 | 1.306 | 1.397 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 20.5 | 19.58 | 0.01 | Front | ON | 0 | 108 | 54 | 1:1 | 51 | 0 | 1.1 | 1.236 | 1.360 | 132 |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 20.5 | 19.34 | -0.01 | Bottom | ON | 0 | 1 | 108 | 1:1 | 51 | 0 | 0.914 | 1.306 | 1.194 | - |
| 1 745 | 349000 | DFT-s OFDM QPSK | 40 | 20.5 | 19.58 | -0.01 | Bottom | ON | 0 | 108 | 54 | 1:1 | 51 | 0 | 0.978 | 1.236 | 1.209 | - |
| 1 745 | 349000 | CP QPSK | 40 | 20.5 | 19.38 | 0.01 | Front | ON | 0 | 1 | 1 | 1:1 | 51 | 0 | 1.09 | 1.294 | 1.410 | 133 |
| ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | Hand 4.0 W/kg Averaged over 10 gram | | | | | | | | | | |

5 GHz WLAN Phablet SAR 10g

| Frequency | | Mode | Band width (MHz) | Data Rate (Mbps) | Tune-Up Limit (dBm) | Meas. Power (dBm) | Power Drift (dB) | Test Position | Ant. Config. | Duty Cycle | Distance (mm) | Area Scan Peak SAR (W/kg) | Meas. SAR (W/kg) | Scaling Factor | Scaling Factor (Duty) | Scaled SAR (W/kg) | Plot No. |
|---|-----|---------|------------------|------------------|---------------------|-------------------|------------------|---------------|--------------|------------|---------------|---|------------------|----------------|-----------------------|-------------------|----------|
| Mhz | Ch. | | | | | | | | | | | | | | | | |
| 5 320 | 64 | 802.11a | 20 | 6 | 18 | 17.88 | 0.15 | Rear | Ant1 | 93.6 | 0 | 3.12 | 0.415 | 1.028 | 1.068 | 0.456 | - |
| 5 320 | 64 | 802.11a | 20 | 6 | 18 | 17.88 | 0.00 | Front | Ant1 | 93.6 | 0 | 10.3 | 0.920 | 1.028 | 1.068 | 1.010 | - |
| 5 320 | 64 | 802.11a | 20 | 6 | 18 | 17.88 | 0.11 | Left | Ant1 | 93.6 | 0 | 22.1 | 1.42 | 1.028 | 1.068 | 1.559 | - |
| 5 320 | 64 | 802.11a | 20 | 6 | 18 | 17.88 | -0.03 | Top | Ant1 | 93.6 | 0 | 4.87 | 0.505 | 1.028 | 1.068 | 0.554 | - |
| 5 720 | 144 | 802.11a | 20 | 6 | 18 | 17.92 | 0.10 | Rear | Ant1 | 93.6 | 0 | 4.87 | 0.562 | 1.019 | 1.068 | 0.612 | - |
| 5 720 | 144 | 802.11a | 20 | 6 | 18 | 17.92 | 0.01 | Front | Ant1 | 93.6 | 0 | 3.65 | 0.395 | 1.019 | 1.068 | 0.430 | - |
| 5 720 | 144 | 802.11a | 20 | 6 | 18 | 17.92 | -0.12 | Left | Ant1 | 93.6 | 0 | 18.8 | 1.93 | 1.019 | 1.068 | 2.100 | 134 |
| 5 600 | 120 | 802.11a | 20 | 6 | 18 | 17.68 | -0.19 | Left | Ant1 | 93.6 | 0 | 23.2 | 1.68 | 1.076 | 1.068 | 1.933 | - |
| 5 720 | 144 | 802.11a | 20 | 6 | 18 | 17.92 | 0.13 | Top | Ant1 | 93.6 | 0 | 5.2 | 0.664 | 1.019 | 1.068 | 0.723 | - |
| 5 300 | 60 | 802.11a | 20 | 6 | 18 | 17.09 | -0.16 | Rear | Ant2 | 93.6 | 0 | 6.6 | 0.459 | 1.233 | 1.068 | 0.604 | - |
| 5 300 | 60 | 802.11a | 20 | 6 | 18 | 17.09 | 0.01 | Front | Ant2 | 93.6 | 0 | 2.39 | 0.264 | 1.233 | 1.068 | 0.348 | - |
| 5 300 | 60 | 802.11a | 20 | 6 | 18 | 17.09 | -0.10 | Left | Ant2 | 93.6 | 0 | 1.0 | 0.103 | 1.233 | 1.068 | 0.136 | - |
| 5 300 | 60 | 802.11a | 20 | 6 | 18 | 17.09 | -0.15 | Top | Ant2 | 93.6 | 0 | 0.472 | 0.054 | 1.233 | 1.068 | 0.071 | - |
| 5 720 | 144 | 802.11a | 20 | 6 | 18 | 17.47 | 0.10 | Rear | Ant2 | 93.6 | 0 | 1.54 | 0.122 | 1.130 | 1.068 | 0.147 | - |
| 5 720 | 144 | 802.11a | 20 | 6 | 18 | 17.47 | 0.01 | Front | Ant2 | 93.6 | 0 | 2.78 | 0.254 | 1.130 | 1.068 | 0.307 | - |
| 5 720 | 144 | 802.11a | 20 | 6 | 18 | 17.47 | -0.17 | Left | Ant2 | 93.6 | 0 | 5.17 | 0.371 | 1.130 | 1.068 | 0.448 | - |
| 5 720 | 144 | 802.11a | 20 | 6 | 18 | 17.47 | 0.10 | Top | Ant2 | 93.6 | 0 | 0.397 | 0.032 | 1.130 | 1.068 | 0.039 | - |
| ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | | | | | Hand 4.0 W/kg Averaged over 10 gram | | | | | |

| 5 GHz WLAN Phablet SAR 10g - mmWave/RSDB | | | | | | | | | | | | | | | | | |
|---|-----|----------|------------------|------------------|---------------------|-------------------|------------------|---------------|--------------|------------|---------------|---|------------------|----------------|-----------------------|-------------------|----------|
| Frequency | | Mode | Band width (MHz) | Data Rate (Mbps) | Tune-Up Limit (dBm) | Meas. Power (dBm) | Power Drift (dB) | Test Position | Ant. Config. | Duty Cycle | Distance (mm) | Area Scan Peak SAR (W/kg) | Meas. SAR (W/kg) | Scaling Factor | Scaling Factor (Duty) | Scaled SAR (W/kg) | Plot No. |
| Mhz | Ch. | | | | | | | | | | | | | | | | |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 11 | 10.32 | -0.16 | Rear | Ant1 | 86.05 | 0 | 1.96 | 0.190 | 1.169 | 1.162 | 0.258 | - |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 11 | 10.32 | 0.01 | Front | Ant1 | 86.05 | 0 | 2.63 | 0.363 | 1.169 | 1.162 | 0.493 | - |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 11 | 10.32 | 0.16 | Left | Ant1 | 86.05 | 0 | 5.79 | 0.513 | 1.169 | 1.162 | 0.697 | 135 |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 11 | 10.32 | -0.12 | Top | Ant1 | 86.05 | 0 | 2.38 | 0.160 | 1.169 | 1.162 | 0.217 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 11 | 10.92 | -0.13 | Rear | Ant1 | 86.05 | 0 | 2.52 | 0.188 | 1.019 | 1.162 | 0.223 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 11 | 10.92 | 0.01 | Front | Ant1 | 86.05 | 0 | 3.31 | 0.235 | 1.019 | 1.162 | 0.278 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 11 | 10.92 | 0.01 | Left | Ant1 | 86.05 | 0 | 5.34 | 0.391 | 1.019 | 1.162 | 0.463 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 11 | 10.92 | 0.12 | Top | Ant1 | 86.05 | 0 | 1.75 | 0.115 | 1.019 | 1.162 | 0.136 | - |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 11 | 9.07 | 0.07 | Rear | Ant2 | 86.05 | 0 | 1.06 | 0.108 | 1.560 | 1.162 | 0.196 | - |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 11 | 9.07 | 0.01 | Front | Ant2 | 86.05 | 0 | 1.46 | 0.183 | 1.560 | 1.162 | 0.332 | - |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 11 | 9.07 | 0.12 | Left | Ant2 | 86.05 | 0 | 0.324 | 0.033 | 1.560 | 1.162 | 0.060 | - |
| 5 290 | 58 | 802.11ac | 80 | MCS0 | 11 | 9.07 | -0.11 | Top | Ant2 | 86.05 | 0 | 0.0998 | 0.012 | 1.560 | 1.162 | 0.022 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 11 | 9.86 | 0.01 | Rear | Ant2 | 86.05 | 0 | 0.937 | 0.077 | 1.300 | 1.162 | 0.116 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 11 | 9.86 | 0.01 | Front | Ant2 | 86.05 | 0 | 0.821 | 0.069 | 1.300 | 1.162 | 0.104 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 11 | 9.86 | 0.07 | Left | Ant2 | 86.05 | 0 | 0.352 | 0.037 | 1.300 | 1.162 | 0.056 | - |
| 5 610 | 122 | 802.11ac | 80 | MCS0 | 11 | 9.86 | 0.01 | Top | Ant2 | 86.05 | 0 | 0.102 | 0.00705 | 1.300 | 1.162 | 0.011 | - |
| ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population | | | | | | | | | | | | Hand 4.0 W/kg Averaged over 10 gram | | | | | |

* Head condition during simultaneous conditions with 2.4GHz WLAN
 * Head condition during simultaneous conditions with mmWave and/or 2.4 GHz WLAN

13.6 SAR Test Notes

General Notes:

1. The test data reported are the worst-case SAR values according to test procedures specified in IEEE 1528-2013, FCC KDB Procedure.
2. Batteries are fully charged at the beginning of the SAR measurements. A standard battery was used for all SAR measurements.
3. Liquid tissue depth was at least 15.0 cm for all frequencies.
4. The manufacturer has confirmed that the device(s) tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
5. SAR results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB 447498 D01v06.
6. Device was tested using a fixed spacing for body-worn accessory testing. A separation distance of 15 mm was considered because the manufacturer has determined that there will be body-worn accessories available in the marketplace for users to support this separation distance.
7. Per FCC KDB 648474 D04v01r03, SAR was evaluated without a headset connected to the device. Since the standalone reported SAR was 1.2 W/kg, no additional SAR evaluation using a headset cable were required.
8. Per KDB 648474 D04v01r03, this device is considered a "Phablet" since the diagonal dimension is > 160 mm and < 200 mm. When hotspot mode applies, extremity SAR is required only for the surfaces and edges with hotspot mode scaled to the maximum output power (with tolerance) is 1 g SAR > 1.2 W/kg.
9. Per FCC KDB 865664 D01v01r04, variability SAR measurement were performed when the measured SAR results for a frequency band were greater than or equal to 0.8 W/kg for 1g SAR and >2 for 10g SAR Please see Section 15 for variability analysis.
10. This device utilizes power reduction for some wireless mode and technologies, as outlined in sec. 4 The maximum output power allowed for each transmitter and exposure condition was evaluated for SAR compliance based on expected use conditions and simultaneous scenarios.
11. During SAR testing for the Hotspot conditions per KDB 941225 D06v02r01, the actual portable hotspot operation (with actual simultaneous transmission of a transmitter with WiFi) was not activated.
12. This device uses Qualcomm Smart Transmit for 2G/3G/4G/5G operations to control and managetransmitting power in real time to ensure RF Exposure compliance. Per FCC Guidance, compliance forwas assessed at the minimum of the time averaged power and the maximum output power for eachband/mode/exposure condition (DSI).

CDMA Notes:

1. Head SAR for CDMA2000 mode was tested under RC3/SO55 per FCC KDB Publication 941225 D01v03r01.
2. Body-Worn SAR was tested with 1x RTT with TDSO / SO32 FCH Only. EVDO Rev0 and RevA and TDSO / SO32 FCH+SCH SAR tests were not required per the 3G SAR Test Reduction Procedure in FCC KDB Publication 941225 D01v03r01.
3. CDMA Wireless Router SAR is measured using Subtype 0/1 Physical Layer configurations for Rev. 0 according to KDB 941225 D01v03r01 procedures for data devices. Wireless Router SAR tests for Subtype 2 of Rev.A and 1x RTT configurations were not required per the 3G SAR Test Reduction Policyin KDB Publication 941225 D01v03r01.
4. Head SAR was additionally evaluated using EVDO Rev. A to determine compliance for VoIP operations.
5. Per FCC KDB Publication 447498 D01v06, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg for 1g evaluations then testing at the other channels is not required for such test configuration(s). When the maximum output power variation across the required test channels is > $\frac{1}{2}$ dB, instead of the middle channel, the highest outputpower channel was used.

GSM/GPRS Test Notes:

1. This EUT'S GSM and GPRS device class is B.
2. This device supports GPRS VOIP in the head and the body-worn configurations therefore GPRS was additionally evaluated for head and body-worn compliance.
3. Justification for reduced test configurations per KDB 941225 D01v03r01: The source-based time-averaged output power was evaluated for all multi-slot operations. The multi-slot configuration with the highest frame averaged output power including tolerance was evaluated for SAR.
4. Per FCC KDB 447498 D01v06, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is 0.8 W/kg then testing at the other channels is not required for such test configuration(s). When the maximum output power variation across the required test channels is 1/2 dB, instead of the middle channel, the highest output power channel must be used.

UMTS Notes:

1. The 12.2 kbps RMC mode is the primary mode per KDB 941225 D01v03r01.
2. UMTS SAR was tested under RMC 12.2 kbps with HSPA inactive per KDB publication 941225 D01v03r01. AMR and HSPA SAR was not required per the 3G Test Reduction Procedure in KDB Publication 941225 D01v03r01.
3. Per FCC KDB 447498 D01v06, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is 0.8 W/kg then testing at the other channels is not required for such test configuration(s). When the maximum output power variation across the channel highest output power channel was used.

LTE Notes:

1. LTE Considerations: LTE test configurations are determined according to SAR Evaluation Consideration for LTE Devices in FCC KDB 941225 D05v02r05.
2. According to FCC KDB 941225 D05v02r05:
When the reported SAR is 0.8 W/kg, testing of the 100% RB allocation and required test channels is not required. Otherwise, SAR is required for the remaining required test channels using the 1RB, 50%RB and 100%RB allocation with highest output power for that channel.
Only one channel, and as reported SAR values for 1RB allocation and 50%RB allocation were less than 1.45W/Kg only the highest power RB offset for each allocation was required.
3. MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to target MPR is indicated alongside the SAR results.
4. When Power reduction is applied, MPR is 0 for some modes.
5. A-MPR was disabled for all SAR tests by setting NS=01 on the base station simulator.
6. Per FCC KDB Publication 447498 D01v06, if the reported (scaled) LTE TDD Band 41 SAR measured at the highest output power channel for each test configuration is 0.6 W/kg then testing at the other channels is not required for such test configurations.
7. TDD LTE (Power Class 3) was tested using UL-DL configuration 0 with 6 UL sub frames and 2S subframes using extended cyclic prefix only and special sub frame configuration 6. SAR tests were performed at maximum output power and worst-case transmission duty factor in extended cyclic prefix. Per 3GPP 36.211 Sec. 4, the duty factor using extended cyclic prefix is 0.633(cf=1.58).
8. Per KDB 941225 D05Av01r02, SAR for LTE Carrier Aggregation operations was not needed because the maximum average output power in LTE CA mode was not > 0.25 dB higher than the maximum output power when downlink CA was not activated.
9. This device supports Power Class 2 and Power Class 3 operations for LTE Band 41. The Highest available duty cycle for Power Class 2 operations is 43.3% using UL-DL configuration 1. Per May TCB Workshop notes, all SAR tests were performed using Power Class 3. SAR with power class 2 at the available duty factor was additionally performed for the power class 3 configuration with the highest SAR configuration for each exposure conditions.

10. This device supports LTE Carrier Aggregation(CA) in Uplink for LTE 41C/5B/66B/66C/48C with two component carriers in the uplink. SAR measurements and conducted powers were evaluated per Fall 2017 TCBC Workshop notes (LTE Carrier aggregation).
For LTE Band 5, LTE Band 66, LTE Band 41 and LTE Band 48, per 2017 TCBC Workshop notes ,SAR was first measured with only a single carrier active in the uplink (carrier aggregation not active). For each exposure condition, the uplink CA scenario with two component carriers was additionally tested for the configuration with the highest SAR when carrier aggregation was not active.
Because the maximum output for UL CA of LTE 41C/5B/66B/66C/48C is \leq standalone LTE mode (without CA), SAR for LTE41C/5B/66B/66C/48C Up link CA was performed at the highest standalone SAR configuration without CA and also UL CA SAR is not required for all required test channels, Because the reported SAR for UL CA configuration is < 1.4 W/kg.
The SCC was configured with the closest available contiguous channel. The two component carriers were configured so the resource blocks are physically allocated side by side to achieve the maximum output power.
11. SAR test reduction is applied using the following criteria:
Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB, and 50% RB allocation, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is >0.8 W/kg, testing for other Channels is performed at the highest output power level for 1RB, and 50% RB configuration for that channel. Testing for 100% RB configuration is performed at the highest output power level for 100% RB configuration across the Low, Mid and High Channel when the highest reported SAR for 1 RB and 50% RB are >0.8 W/kg, testing for the remaining required channels is not needed because the reported SAR for 100% RB Allocation <1.45 W/kg. Testing for 16-QAM modulation is not required because the reported SAR for QPSK is <1.45 W/kg and its output power is not more than 0.5 dB higher than that a QPSK. Testing for the other channel bandwidths is not required because the reported SAR for the highest channel bandwidth is <1.45 W/kg and its output power is not more than 0.5 dB higher than that of the highest channel bandwidth.

NR Notes:

1. Due to Limitations of the SAR measurement equipment, SAR testing for NR was performed using test mode (FTM) software.
2. More detailed specifications of the NR bands are contained in the Technical description document.
3. This device additionally supports some EN-DC conditions where additional LTE carriers are added on the downlink only.
4. For NR modulations and RB Sizes/Offsets were selected for testing such that configurations with the highest output power were evaluated for SAR tests.
5. For final implementation, TDD NR slot configuration is synchronized using maximum duty cycle of 100%.
6. SAR testing was performed using FTM mode with a 100% duty cycle applied to match final duty cycle.
7. Simultaneous transmission analysis for EN-DC operations is addressed in the Part 2 Test Report.
8. Per Oct. 2020 TCBC workshop notes(Dynamic Antenna Tuner), the device was configured with the tuner state selected by the device in LTE mode with auto-tune active at the same frequency as the NR test results. Please see the sec 17

WLAN Notes:

1. For held-to-ear and hotspot operations, the initial test position procedures were applied. For initial test position, the highest extrapolated peak SAR will be used. When reported SAR for the initial test position is ≤ 0.4 W/kg for 1g SAR and ≤ 1.0 W/kg for 10g SAR, no additional testing for the remaining test positions was required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR results is ≤ 0.8 W/kg for 1g SAR and ≤ 2.0 W/kg for 10g SAR or all test position are measured.
2. Per KDB 2482227 D01v02r02 justification for test configurations of 2.4 GHz WiFi Single transmission chain operations, the highest measured maximum output power channel for DSSS was selected for SAR measurement. SAR for OFDM modes (2.4 GHz 802.11 g/n) was not required due to the maximum allowed powers and the highest reported DSSS SAR
3. Per KDB 2482227 D01v02r02 justification for test configurations of 5 GHz WiFi Single transmission chain operations, the initial test configuration was selected according to the transmission mode with the highest maximum allowed powers. Other transmission mode were not investigated since the highest reported SAR for initial test configuration adjusted by the ration of maximum output powers is less than 1.2 W/kg for 1g SAR and less than 3.0 W/kg for 10 g SAR.
4. When the maximum reported 1g averaged SAR is ≤ 0.8 W/kg, SAR testing on additional channels was not required. Otherwise, SAR for the next highest output power channel was required until the reported SAR result was ≤ 1.20 W/kg or all test channels were measured.
5. The device was configured to transmit continuously at the required data rated, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools. The reported SAR was scaled to the 100% transmission duty factor to determine compliance. Procedures used to measure the duty factor are identical to that in the associated WLAN test reports.

Bluetooth Notes:

1. Bluetooth SAR was measured with the device connected to a call box with hopping disabled with DH5 operation and Tx Tests mode type. Per October 2016 TCBC Workshop Notes, the reported SAR was scaled to 100% transmission duty factor to determine compliance. Please see sec.11 for the time-domain plot and calculation for duty factor of the device.
2. Head and Bluetooth tethering SAR were evaluated for BT BR tethering applications.

14. Simultaneous SAR Analysis

This device contains transmitters that may operate simultaneously. Therefore, simultaneous transmission analysis is required. Per KDB Publication 447498 D01v06 4.3.2, simultaneous transmission SAR test exclusion may be applied when the sum of 1g SAR and 10g SAR for all the simultaneous transmitting antennas in a specific physical test configuration is $\leq 1.6\text{W/kg}$ for 1g SAR and $\leq 4\text{ W/kg}$ for 10g SAR. The different test positions in an exposure condition may be considered collectively to determine SAR exclusion according to the sum of 1g or 10g SAR.

14.1 Head SAR Simultaneous Transmission Analysis.

| Simultaneous Transmission Summation Scenario with 2.4 GHz Ant WLAN | | | | | | | | | | |
|--|-------------------|----------|------------------------|------------------------|-----------------------|-----------|-----------|-----------|--------|----------|
| Exposure condition | Band | WWAN SAR | 2.4 GHz WLAN Ant.1 SAR | 2.4 GHz WLAN Ant.2 SAR | 2.4 GHz WLAN MIMO SAR | ∑ 1-g SAR | ∑ 1-g SAR | ∑ 1-g SAR | SPLSR | |
| | | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (Yes/No) |
| | | 1 | 2 | 3 | 4 | 1+2 | 1+3 | 1+4 | | |
| Head SAR | EVDO BC0 (§22H) | 0.226 | 0.311 | 0.091 | 0.375 | 0.537 | 0.317 | 0.601 | No | |
| | PCS CDMA/EVDO | 0.429 | 0.311 | 0.091 | 0.375 | 0.740 | 0.520 | 0.804 | No | |
| | EVDO BC10 (§90S) | 0.212 | 0.311 | 0.091 | 0.375 | 0.523 | 0.303 | 0.587 | No | |
| | GSM 850 | 0.237 | 0.311 | 0.091 | 0.375 | 0.548 | 0.328 | 0.612 | No | |
| | GPRS 850 | 0.228 | 0.311 | 0.091 | 0.375 | 0.539 | 0.319 | 0.603 | No | |
| | GSM 1900 | 0.120 | 0.311 | 0.091 | 0.375 | 0.431 | 0.211 | 0.495 | No | |
| | GPRS 1900 | 0.165 | 0.311 | 0.091 | 0.375 | 0.476 | 0.256 | 0.540 | No | |
| | UMTS 850 | 0.235 | 0.311 | 0.091 | 0.375 | 0.546 | 0.326 | 0.610 | No | |
| | UMTS 1700 | 0.153 | 0.311 | 0.091 | 0.375 | 0.464 | 0.244 | 0.528 | No | |
| | UMTS 1900 | 0.160 | 0.311 | 0.091 | 0.375 | 0.471 | 0.251 | 0.535 | No | |
| | LTE Band 7 | 0.131 | 0.311 | 0.091 | 0.375 | 0.442 | 0.222 | 0.506 | No | |
| | LTE Band 12 | 0.198 | 0.311 | 0.091 | 0.375 | 0.509 | 0.289 | 0.573 | No | |
| | LTE Band 13 | 0.241 | 0.311 | 0.091 | 0.375 | 0.552 | 0.332 | 0.616 | No | |
| | LTE Band 14 | 0.230 | 0.311 | 0.091 | 0.375 | 0.541 | 0.321 | 0.605 | No | |
| | LTE Band 25 | 0.195 | 0.311 | 0.091 | 0.375 | 0.506 | 0.286 | 0.570 | No | |
| | LTE Band 26 (5) | 0.306 | 0.311 | 0.091 | 0.375 | 0.617 | 0.397 | 0.681 | No | |
| | LTE Band 30 | 0.114 | 0.311 | 0.091 | 0.375 | 0.425 | 0.205 | 0.489 | No | |
| | LTE Band 40 Low | 0.005 | 0.311 | 0.091 | 0.375 | 0.316 | 0.096 | 0.380 | No | |
| | LTE Band 40 Upper | 0.005 | 0.311 | 0.091 | 0.375 | 0.316 | 0.096 | 0.380 | No | |
| | LTE Band 41 | 0.123 | 0.311 | 0.091 | 0.375 | 0.434 | 0.214 | 0.498 | No | |
| | LTE Band 48 | 0.618 | 0.311 | 0.091 | 0.375 | 0.929 | 0.709 | 0.993 | No | |
| | LTE Band 66 | 0.216 | 0.311 | 0.091 | 0.375 | 0.527 | 0.307 | 0.591 | No | |
| | LTE Band 71 | 0.137 | 0.311 | 0.091 | 0.375 | 0.448 | 0.228 | 0.512 | No | |
| | NR Band n5 | 0.253 | 0.311 | 0.091 | 0.375 | 0.564 | 0.344 | 0.628 | No | |
| | NR Band n12 | 0.165 | 0.311 | 0.091 | 0.375 | 0.476 | 0.256 | 0.540 | No | |
| | NR Band n25 | 0.171 | 0.311 | 0.091 | 0.375 | 0.482 | 0.262 | 0.546 | No | |
| | NR Band n30 | 0.149 | 0.311 | 0.091 | 0.375 | 0.460 | 0.240 | 0.524 | No | |
| | NR Band n41 (PC3) | 0.076 | 0.311 | 0.091 | 0.375 | 0.387 | 0.167 | 0.451 | No | |
| NR Band n41 (PC2) | 0.114 | 0.311 | 0.091 | 0.375 | 0.425 | 0.205 | 0.489 | No | | |
| NR Band n66 | 0.104 | 0.311 | 0.091 | 0.375 | 0.415 | 0.195 | 0.479 | No | | |
| NR Band n71 | 0.111 | 0.311 | 0.091 | 0.375 | 0.422 | 0.202 | 0.486 | No | | |
| NR Band n77 (PC3) | 0.767 | 0.311 | 0.091 | 0.375 | 1.078 | 0.858 | 1.142 | No | | |
| NR Band n77 (PC2) | 0.647 | 0.311 | 0.091 | 0.375 | 0.958 | 0.738 | 1.022 | No | | |

Simultaneous Transmission Summation Scenario with 5 GHz WLAN

| Exposure condition | Band | WWAN SAR | 5 GHz WLAN Ant1 SAR | 5 GHz WLAN Ant2 SAR | 5 GHz WLAN MIMO SAR | Σ 1-g SAR | Σ 1-g SAR | Σ 1-g SAR | SPLSR (Yes/No) |
|--------------------|-------------------|----------|---------------------|---------------------|---------------------|------------------|------------------|------------------|-------------------|
| | | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | |
| | | 1 | 2 | 3 | 4 | 1+2 | 1+3 | 1+4 | |
| Head SAR | EVDO BC0 (§22H) | 0.226 | 0.277 | 0.272 | 0.219 | 0.503 | 0.498 | 0.445 | No |
| | PCS CDMA/EVDO | 0.429 | 0.277 | 0.272 | 0.219 | 0.706 | 0.701 | 0.648 | No |
| | EVDO BC10 (§90S) | 0.212 | 0.277 | 0.272 | 0.219 | 0.489 | 0.484 | 0.431 | No |
| | GSM 850 | 0.237 | 0.277 | 0.272 | 0.219 | 0.514 | 0.509 | 0.456 | No |
| | GPRS 850 | 0.228 | 0.277 | 0.272 | 0.219 | 0.505 | 0.500 | 0.447 | No |
| | GSM 1900 | 0.120 | 0.277 | 0.272 | 0.219 | 0.397 | 0.392 | 0.339 | No |
| | GPRS 1900 | 0.165 | 0.277 | 0.272 | 0.219 | 0.442 | 0.437 | 0.384 | No |
| | UMTS 850 | 0.235 | 0.277 | 0.272 | 0.219 | 0.512 | 0.507 | 0.454 | No |
| | UMTS 1700 | 0.153 | 0.277 | 0.272 | 0.219 | 0.430 | 0.425 | 0.372 | No |
| | UMTS 1900 | 0.160 | 0.277 | 0.272 | 0.219 | 0.437 | 0.432 | 0.379 | No |
| | LTE Band 7 | 0.131 | 0.277 | 0.272 | 0.219 | 0.408 | 0.403 | 0.350 | No |
| | LTE Band 12 | 0.198 | 0.277 | 0.272 | 0.219 | 0.475 | 0.470 | 0.417 | No |
| | LTE Band 13 | 0.241 | 0.277 | 0.272 | 0.219 | 0.518 | 0.513 | 0.460 | No |
| | LTE Band 14 | 0.230 | 0.277 | 0.272 | 0.219 | 0.507 | 0.502 | 0.449 | No |
| | LTE Band 25 | 0.195 | 0.277 | 0.272 | 0.219 | 0.472 | 0.467 | 0.414 | No |
| | LTE Band 26 (5) | 0.306 | 0.277 | 0.272 | 0.219 | 0.583 | 0.578 | 0.525 | No |
| | LTE Band 30 | 0.114 | 0.277 | 0.272 | 0.219 | 0.391 | 0.386 | 0.333 | No |
| | LTE Band 40 Low | 0.005 | 0.277 | 0.272 | 0.219 | 0.282 | 0.277 | 0.224 | No |
| | LTE Band 40 Upper | 0.005 | 0.277 | 0.272 | 0.219 | 0.282 | 0.277 | 0.224 | No |
| | LTE Band 41 | 0.123 | 0.277 | 0.272 | 0.219 | 0.400 | 0.395 | 0.342 | No |
| | LTE Band 48 | 0.618 | 0.277 | 0.272 | 0.219 | 0.895 | 0.890 | 0.837 | No |
| | LTE Band 66 | 0.216 | 0.277 | 0.272 | 0.219 | 0.493 | 0.488 | 0.435 | No |
| | LTE Band 71 | 0.137 | 0.277 | 0.272 | 0.219 | 0.414 | 0.409 | 0.356 | No |
| | NR Band n5 | 0.253 | 0.277 | 0.272 | 0.219 | 0.530 | 0.525 | 0.472 | No |
| | NR Band n12 | 0.165 | 0.277 | 0.272 | 0.219 | 0.442 | 0.437 | 0.384 | No |
| | NR Band n25 | 0.171 | 0.277 | 0.272 | 0.219 | 0.448 | 0.443 | 0.390 | No |
| | NR Band n30 | 0.149 | 0.277 | 0.272 | 0.219 | 0.426 | 0.421 | 0.368 | No |
| | NR Band n41 (PC3) | 0.076 | 0.277 | 0.272 | 0.219 | 0.353 | 0.348 | 0.295 | No |
| | NR Band n41 (PC2) | 0.114 | 0.277 | 0.272 | 0.219 | 0.391 | 0.386 | 0.333 | No |
| | NR Band n66 | 0.104 | 0.277 | 0.272 | 0.219 | 0.381 | 0.376 | 0.323 | No |
| NR Band n71 | 0.111 | 0.277 | 0.272 | 0.219 | 0.388 | 0.383 | 0.330 | No | |
| NR Band n77 (PC3) | 0.767 | 0.277 | 0.272 | 0.219 | 1.044 | 1.039 | 0.986 | No | |
| NR Band n77 (PC2) | 0.647 | 0.277 | 0.272 | 0.219 | 0.924 | 0.919 | 0.866 | No | |

| Simultaneous Transmission Summation Scenario with 5 GHz RSDB WLAN & Bluetooth | | | | | | |
|---|-------------------|----------|--------------------------|---------------|------------------|----------------|
| Exposure condition | Band | WWAN SAR | 5 GHz WLAN MIMO RSDB SAR | Bluetooth SAR | Σ 1-g SAR | SPLSR (Yes/No) |
| | | (W/kg) | (W/kg) | (W/kg) | (W/kg) | |
| | | 1 | 2 | 3 | 1+2+3 | |
| Head SAR | EVDO BC0 (\$22H) | 0.226 | 0.219 | 0.460 | 0.905 | No |
| | PCS CDMA/EVDO | 0.429 | 0.219 | 0.460 | 1.108 | No |
| | EVDO BC10 (\$90S) | 0.212 | 0.219 | 0.460 | 0.891 | No |
| | GSM 850 | 0.237 | 0.219 | 0.460 | 0.916 | No |
| | GPRS 850 | 0.228 | 0.219 | 0.460 | 0.907 | No |
| | GSM 1900 | 0.120 | 0.219 | 0.460 | 0.799 | No |
| | GPRS 1900 | 0.165 | 0.219 | 0.460 | 0.844 | No |
| | UMTS 850 | 0.235 | 0.219 | 0.460 | 0.914 | No |
| | UMTS 1700 | 0.153 | 0.219 | 0.460 | 0.832 | No |
| | UMTS 1900 | 0.160 | 0.219 | 0.460 | 0.839 | No |
| | LTE Band 7 | 0.131 | 0.219 | 0.460 | 0.810 | No |
| | LTE Band 12 | 0.198 | 0.219 | 0.460 | 0.877 | No |
| | LTE Band 13 | 0.241 | 0.219 | 0.460 | 0.920 | No |
| | LTE Band 14 | 0.230 | 0.219 | 0.460 | 0.909 | No |
| | LTE Band 25 | 0.195 | 0.219 | 0.460 | 0.874 | No |
| | LTE Band 26 (5) | 0.306 | 0.219 | 0.460 | 0.985 | No |
| | LTE Band 30 | 0.114 | 0.219 | 0.460 | 0.793 | No |
| | LTE Band 40 Low | 0.005 | 0.219 | 0.460 | 0.684 | No |
| | LTE Band 40 Upper | 0.005 | 0.219 | 0.460 | 0.684 | No |
| | LTE Band 41 | 0.123 | 0.219 | 0.460 | 0.802 | No |
| | LTE Band 48 | 0.618 | 0.219 | 0.460 | 1.297 | No |
| | LTE Band 66 | 0.216 | 0.219 | 0.460 | 0.895 | No |
| | LTE Band 71 | 0.137 | 0.219 | 0.460 | 0.816 | No |
| | NR Band n5 | 0.253 | 0.219 | 0.460 | 0.932 | No |
| | NR Band n12 | 0.165 | 0.219 | 0.460 | 0.844 | No |
| | NR Band n25 | 0.171 | 0.219 | 0.460 | 0.850 | No |
| | NR Band n30 | 0.149 | 0.219 | 0.460 | 0.828 | No |
| | NR Band n41 (PC3) | 0.076 | 0.219 | 0.460 | 0.755 | No |
| | NR Band n41 (PC2) | 0.114 | 0.219 | 0.460 | 0.793 | No |
| | NR Band n66 | 0.104 | 0.219 | 0.460 | 0.783 | No |
| NR Band n71 | 0.111 | 0.219 | 0.460 | 0.790 | No | |
| NR Band n77 (PC3) | 0.767 | 0.219 | 0.460 | 1.446 | No | |
| NR Band n77 (PC2) | 0.647 | 0.219 | 0.460 | 1.326 | No | |

| Simultaneous Transmission Summation Scenario with 2.4 GHz WLAN & with 5 GHz WLAN | | | | | | | | | | | |
|--|-------------------|----------|------------------------|------------------------|----------------------------|--------------------------|-----------|-----------|-----------|--------|----------|
| Exposure condition | Band | WWAN SAR | 2.4 GHz WLAN Ant.1 SAR | 2.4 GHz WLAN Ant.2 SAR | 2.4 GHz WLAN MIMO RSDB SAR | 5 GHz WLAN MIMO RSDB SAR | ∑ 1-g SAR | ∑ 1-g SAR | ∑ 1-g SAR | SPLSR | |
| | | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (Yes/No) |
| | | 1 | 2 | 3 | 4 | 5 | 1+2+5 | 1+3+5 | 1+4+5 | | |
| Head SAR | EVDO BC0 (\$22H) | 0.226 | 0.311 | 0.091 | 0.375 | 0.219 | 0.756 | 0.536 | 0.820 | No | |
| | PCS CDMA/EVDO | 0.429 | 0.311 | 0.091 | 0.375 | 0.219 | 0.959 | 0.739 | 1.023 | No | |
| | EVDO BC10 (\$90S) | 0.212 | 0.311 | 0.091 | 0.375 | 0.219 | 0.742 | 0.522 | 0.806 | No | |
| | GSM 850 | 0.237 | 0.311 | 0.091 | 0.375 | 0.219 | 0.767 | 0.547 | 0.831 | No | |
| | GPRS 850 | 0.228 | 0.311 | 0.091 | 0.375 | 0.219 | 0.758 | 0.538 | 0.822 | No | |
| | GSM 1900 | 0.120 | 0.311 | 0.091 | 0.375 | 0.219 | 0.650 | 0.430 | 0.714 | No | |
| | GPRS 1900 | 0.165 | 0.311 | 0.091 | 0.375 | 0.219 | 0.695 | 0.475 | 0.759 | No | |
| | UMTS 850 | 0.235 | 0.311 | 0.091 | 0.375 | 0.219 | 0.765 | 0.545 | 0.829 | No | |
| | UMTS 1700 | 0.153 | 0.311 | 0.091 | 0.375 | 0.219 | 0.683 | 0.463 | 0.747 | No | |
| | UMTS 1900 | 0.160 | 0.311 | 0.091 | 0.375 | 0.219 | 0.690 | 0.470 | 0.754 | No | |
| | LTE Band 7 | 0.131 | 0.311 | 0.091 | 0.375 | 0.219 | 0.661 | 0.441 | 0.725 | No | |
| | LTE Band 12 | 0.198 | 0.311 | 0.091 | 0.375 | 0.219 | 0.728 | 0.508 | 0.792 | No | |
| | LTE Band 13 | 0.241 | 0.311 | 0.091 | 0.375 | 0.219 | 0.771 | 0.551 | 0.835 | No | |
| | LTE Band 14 | 0.230 | 0.311 | 0.091 | 0.375 | 0.219 | 0.760 | 0.540 | 0.824 | No | |
| | LTE Band 25 | 0.195 | 0.311 | 0.091 | 0.375 | 0.219 | 0.725 | 0.505 | 0.789 | No | |
| | LTE Band 26 (5) | 0.306 | 0.311 | 0.091 | 0.375 | 0.219 | 0.836 | 0.616 | 0.900 | No | |
| | LTE Band 30 | 0.114 | 0.311 | 0.091 | 0.375 | 0.219 | 0.644 | 0.424 | 0.708 | No | |
| | LTE Band 40 Low | 0.005 | 0.311 | 0.091 | 0.375 | 0.219 | 0.535 | 0.315 | 0.599 | No | |
| | LTE Band 40 Upper | 0.005 | 0.311 | 0.091 | 0.375 | 0.219 | 0.535 | 0.315 | 0.599 | No | |
| | LTE Band 41 | 0.123 | 0.311 | 0.091 | 0.375 | 0.219 | 0.653 | 0.433 | 0.717 | No | |
| | LTE Band 48 | 0.618 | 0.311 | 0.091 | 0.375 | 0.219 | 1.148 | 0.928 | 1.212 | No | |
| | LTE Band 66 | 0.216 | 0.311 | 0.091 | 0.375 | 0.219 | 0.746 | 0.526 | 0.810 | No | |
| | LTE Band 71 | 0.137 | 0.311 | 0.091 | 0.375 | 0.219 | 0.667 | 0.447 | 0.731 | No | |
| | NR Band n5 | 0.253 | 0.311 | 0.091 | 0.375 | 0.219 | 0.783 | 0.563 | 0.847 | No | |
| | NR Band n12 | 0.165 | 0.311 | 0.091 | 0.375 | 0.219 | 0.695 | 0.475 | 0.759 | No | |
| | NR Band n25 | 0.171 | 0.311 | 0.091 | 0.375 | 0.219 | 0.701 | 0.481 | 0.765 | No | |
| | NR Band n30 | 0.149 | 0.311 | 0.091 | 0.375 | 0.219 | 0.679 | 0.459 | 0.743 | No | |
| | NR Band n41 (PC3) | 0.076 | 0.311 | 0.091 | 0.375 | 0.219 | 0.606 | 0.386 | 0.670 | No | |
| | NR Band n41 (PC2) | 0.114 | 0.311 | 0.091 | 0.375 | 0.219 | 0.644 | 0.424 | 0.708 | No | |
| | NR Band n66 | 0.104 | 0.311 | 0.091 | 0.375 | 0.219 | 0.634 | 0.414 | 0.698 | No | |
| NR Band n71 | 0.111 | 0.311 | 0.091 | 0.375 | 0.219 | 0.641 | 0.421 | 0.705 | No | | |
| NR Band n77 (PC3) | 0.767 | 0.311 | 0.091 | 0.375 | 0.219 | 1.297 | 1.077 | 1.361 | No | | |
| NR Band n77 (PC2) | 0.647 | 0.311 | 0.091 | 0.375 | 0.219 | 1.177 | 0.957 | 1.241 | No | | |

14.2 Body-Worn SAR Simultaneous Transmission Analysis.

| Simultaneous Transmission Summation Scenario with 2.4 GHz Ant. WLAN | | | | | | | | | | | |
|---|---------------|-------------------|----------|------------------------|------------------------|-----------------------|------------------|------------------|------------------|--------|----------|
| Exposure condition | Distance (mm) | Band | WWAN SAR | 2.4 GHz WLAN Ant.1 SAR | 2.4 GHz WLAN Ant.2 SAR | 2.4 GHz WLAN MIMO SAR | Σ 1-g SAR | Σ 1-g SAR | Σ 1-g SAR | SPLSR | |
| | | | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (Yes/No) |
| | | | 1 | 2 | 3 | 4 | 1+2 | 1+3 | 1+4 | | |
| Body-worn | 15 | EVDO BC10 (§90S) | 0.382 | 0.227 | 0.048 | 0.120 | 0.609 | 0.430 | 0.502 | No | |
| | | PCS CDMA/EVDO | 0.904 | 0.227 | 0.048 | 0.120 | 1.131 | 0.952 | 1.024 | No | |
| | | EVDO BC0 (§22H) | 0.348 | 0.227 | 0.048 | 0.120 | 0.575 | 0.396 | 0.468 | No | |
| | | GSM 850 | 0.351 | 0.227 | 0.048 | 0.120 | 0.578 | 0.399 | 0.471 | No | |
| | | GPRS 850 | 0.358 | 0.227 | 0.048 | 0.120 | 0.585 | 0.406 | 0.478 | No | |
| | | GSM 1900 | 0.362 | 0.227 | 0.048 | 0.120 | 0.589 | 0.410 | 0.482 | No | |
| | | GPRS 1900 | 0.478 | 0.227 | 0.048 | 0.120 | 0.705 | 0.526 | 0.598 | No | |
| | | UMTS 850 | 0.267 | 0.227 | 0.048 | 0.120 | 0.494 | 0.315 | 0.387 | No | |
| | | UMTS 1700 | 0.895 | 0.227 | 0.048 | 0.120 | 1.122 | 0.943 | 1.015 | No | |
| | | UMTS 1900 | 0.688 | 0.227 | 0.048 | 0.120 | 0.915 | 0.736 | 0.808 | No | |
| | | LTE Band 7 | 0.589 | 0.227 | 0.048 | 0.120 | 0.816 | 0.637 | 0.709 | No | |
| | | LTE Band 12 | 0.244 | 0.227 | 0.048 | 0.120 | 0.471 | 0.292 | 0.364 | No | |
| | | LTE Band 13 | 0.329 | 0.227 | 0.048 | 0.120 | 0.556 | 0.377 | 0.449 | No | |
| | | LTE Band 14 | 0.327 | 0.227 | 0.048 | 0.120 | 0.554 | 0.375 | 0.447 | No | |
| | | LTE Band 25 | 0.672 | 0.227 | 0.048 | 0.120 | 0.899 | 0.720 | 0.792 | No | |
| | | LTE Band 26 (5) | 0.490 | 0.227 | 0.048 | 0.120 | 0.717 | 0.538 | 0.610 | No | |
| | | LTE Band 30 | 0.728 | 0.227 | 0.048 | 0.120 | 0.955 | 0.776 | 0.848 | No | |
| | | LTE Band 40 Low | 0.044 | 0.227 | 0.048 | 0.120 | 0.271 | 0.092 | 0.164 | No | |
| | | LTE Band 40 Upper | 0.044 | 0.227 | 0.048 | 0.120 | 0.271 | 0.092 | 0.164 | No | |
| | | LTE Band 41 | 0.350 | 0.227 | 0.048 | 0.120 | 0.577 | 0.398 | 0.470 | No | |
| | | LTE Band 48 | 0.175 | 0.227 | 0.048 | 0.120 | 0.402 | 0.223 | 0.295 | No | |
| | | LTE Band 66 | 0.461 | 0.227 | 0.048 | 0.120 | 0.688 | 0.509 | 0.581 | No | |
| | | LTE Band 71 | 0.220 | 0.227 | 0.048 | 0.120 | 0.447 | 0.268 | 0.340 | No | |
| | | NR Band n5 | 0.309 | 0.227 | 0.048 | 0.120 | 0.536 | 0.357 | 0.429 | No | |
| | | NR Band n12 | 0.248 | 0.227 | 0.048 | 0.120 | 0.475 | 0.296 | 0.368 | No | |
| | | NR Band n25 | 0.564 | 0.227 | 0.048 | 0.120 | 0.791 | 0.612 | 0.684 | No | |
| | | NR Band n30 | 0.835 | 0.227 | 0.048 | 0.120 | 1.062 | 0.883 | 0.955 | No | |
| | | NR Band n41 (PC3) | 0.273 | 0.227 | 0.048 | 0.120 | 0.500 | 0.321 | 0.393 | No | |
| NR Band n41 (PC2) | 0.388 | 0.227 | 0.048 | 0.120 | 0.615 | 0.436 | 0.508 | No | | | |
| NR Band n66 | 0.627 | 0.227 | 0.048 | 0.120 | 0.854 | 0.675 | 0.747 | No | | | |
| NR Band n71 | 0.194 | 0.227 | 0.048 | 0.120 | 0.421 | 0.242 | 0.314 | No | | | |
| NR Band n77 (PC3) | 0.112 | 0.227 | 0.048 | 0.120 | 0.339 | 0.160 | 0.232 | No | | | |
| NR Band n77 (PC2) | 0.173 | 0.227 | 0.048 | 0.120 | 0.400 | 0.221 | 0.293 | No | | | |

| Simultaneous Transmission Summation Scenario with 5 GHz WLAN | | | | | | | | | |
|--|---------------|-------------------|----------|---------------------|---------------------|------------------|------------------|------------------|----------------|
| Exposure condition | Distance (mm) | Band | WWAN SAR | 5 GHz WLAN Ant1 SAR | 5 GHz WLAN Ant2 SAR | Σ 1-g SAR | Σ 1-g SAR | Σ 1-g SAR | SPLSR (Yes/No) |
| | | | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | |
| | | | 1 | 2 | 3 | 1+2 | 1+3 | 1+2+3 | |
| Body-worn | 15 | EVDO BC10 (§90S) | 0.382 | 0.284 | 0.116 | 0.666 | 0.498 | 0.782 | No |
| | | PCS CDMA/EVDO | 0.904 | 0.284 | 0.116 | 1.188 | 1.020 | 1.304 | No |
| | | EVDO BC0 (§22H) | 0.348 | 0.284 | 0.116 | 0.632 | 0.464 | 0.748 | No |
| | | GSM 850 | 0.351 | 0.284 | 0.116 | 0.635 | 0.467 | 0.751 | No |
| | | GPRS 850 | 0.358 | 0.284 | 0.116 | 0.642 | 0.474 | 0.758 | No |
| | | GSM 1900 | 0.362 | 0.284 | 0.116 | 0.646 | 0.478 | 0.762 | No |
| | | GPRS 1900 | 0.478 | 0.284 | 0.116 | 0.762 | 0.594 | 0.878 | No |
| | | UMTS 850 | 0.267 | 0.284 | 0.116 | 0.551 | 0.383 | 0.667 | No |
| | | UMTS 1700 | 0.895 | 0.284 | 0.116 | 1.179 | 1.011 | 1.295 | No |
| | | UMTS 1900 | 0.688 | 0.284 | 0.116 | 0.972 | 0.804 | 1.088 | No |
| | | LTE Band 7 | 0.589 | 0.284 | 0.116 | 0.873 | 0.705 | 0.989 | No |
| | | LTE Band 12 | 0.244 | 0.284 | 0.116 | 0.528 | 0.360 | 0.644 | No |
| | | LTE Band 13 | 0.329 | 0.284 | 0.116 | 0.613 | 0.445 | 0.729 | No |
| | | LTE Band 14 | 0.327 | 0.284 | 0.116 | 0.611 | 0.443 | 0.727 | No |
| | | LTE Band 25 | 0.672 | 0.284 | 0.116 | 0.956 | 0.788 | 1.072 | No |
| | | LTE Band 26 (5) | 0.490 | 0.284 | 0.116 | 0.774 | 0.606 | 0.890 | No |
| | | LTE Band 30 | 0.728 | 0.284 | 0.116 | 1.012 | 0.844 | 1.128 | No |
| | | LTE Band 40 Low | 0.044 | 0.284 | 0.116 | 0.328 | 0.160 | 0.444 | No |
| | | LTE Band 40 Upper | 0.044 | 0.284 | 0.116 | 0.328 | 0.160 | 0.444 | No |
| | | LTE Band 41 | 0.350 | 0.284 | 0.116 | 0.634 | 0.466 | 0.750 | No |
| | | LTE Band 48 | 0.175 | 0.284 | 0.116 | 0.459 | 0.291 | 0.575 | No |
| | | LTE Band 66 | 0.461 | 0.284 | 0.116 | 0.745 | 0.577 | 0.861 | No |
| | | LTE Band 71 | 0.220 | 0.284 | 0.116 | 0.504 | 0.336 | 0.620 | No |
| | | NR Band n5 | 0.309 | 0.284 | 0.116 | 0.593 | 0.425 | 0.709 | No |
| | | NR Band n12 | 0.248 | 0.284 | 0.116 | 0.532 | 0.364 | 0.648 | No |
| | | NR Band n25 | 0.564 | 0.284 | 0.116 | 0.848 | 0.680 | 0.964 | No |
| | | NR Band n30 | 0.835 | 0.284 | 0.116 | 1.119 | 0.951 | 1.235 | No |
| | | NR Band n41 (PC3) | 0.273 | 0.284 | 0.116 | 0.557 | 0.389 | 0.673 | No |
| NR Band n41 (PC2) | 0.388 | 0.284 | 0.116 | 0.672 | 0.504 | 0.788 | No | | |
| NR Band n66 | 0.627 | 0.284 | 0.116 | 0.911 | 0.743 | 1.027 | No | | |
| NR Band n71 | 0.194 | 0.284 | 0.116 | 0.478 | 0.310 | 0.594 | No | | |
| NR Band n77(PC3) | 0.112 | 0.284 | 0.116 | 0.396 | 0.228 | 0.512 | No | | |
| NR Band n77(PC2) | 0.173 | 0.284 | 0.116 | 0.457 | 0.289 | 0.573 | No | | |

| Simultaneous Transmission Summation Scenario with 5 GHz WLAN & Bluetooth | | | | | | | | |
|--|---------------|-------------------|----------|----------------------|----------------------|---------------|------------------|----------|
| Exposure condition | Distance (mm) | Band | WWAN SAR | 5 GHz WLAN Ant.1 SAR | 5 GHz WLAN Ant.2 SAR | Bluetooth SAR | Σ 1-g SAR | SPLSR |
| | | | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (Yes/No) |
| | | | 1 | 2 | 3 | 4 | 1+2+3+4 | |
| Body-worn | 15 | EVDO BC10 (§90S) | 0.382 | 0.284 | 0.116 | 0.058 | 0.840 | No |
| | | PCS CDMA/EVDO | 0.904 | 0.284 | 0.116 | 0.058 | 1.304 | No |
| | | EVDO BC0 (§22H) | 0.348 | 0.284 | 0.116 | 0.058 | 0.748 | No |
| | | GSM 850 | 0.351 | 0.284 | 0.116 | 0.058 | 0.751 | No |
| | | GPRS 850 | 0.358 | 0.284 | 0.116 | 0.058 | 0.758 | No |
| | | GSM 1900 | 0.362 | 0.284 | 0.116 | 0.058 | 0.762 | No |
| | | GPRS 1900 | 0.478 | 0.284 | 0.116 | 0.058 | 0.878 | No |
| | | UMTS 850 | 0.267 | 0.284 | 0.116 | 0.058 | 0.667 | No |
| | | UMTS 1700 | 0.895 | 0.284 | 0.116 | 0.058 | 1.295 | No |
| | | UMTS 1900 | 0.688 | 0.284 | 0.116 | 0.058 | 1.088 | No |
| | | LTE Band 7 | 0.589 | 0.284 | 0.116 | 0.058 | 0.989 | No |
| | | LTE Band 12 | 0.244 | 0.284 | 0.116 | 0.058 | 0.644 | No |
| | | LTE Band 13 | 0.329 | 0.284 | 0.116 | 0.058 | 0.729 | No |
| | | LTE Band 14 | 0.327 | 0.284 | 0.116 | 0.058 | 0.727 | No |
| | | LTE Band 25 | 0.672 | 0.284 | 0.116 | 0.058 | 1.072 | No |
| | | LTE Band 26 (5) | 0.490 | 0.284 | 0.116 | 0.058 | 0.890 | No |
| | | LTE Band 30 | 0.728 | 0.284 | 0.116 | 0.058 | 1.128 | No |
| | | LTE Band 40 Low | 0.044 | 0.284 | 0.116 | 0.058 | 0.444 | No |
| | | LTE Band 40 Upper | 0.044 | 0.284 | 0.116 | 0.058 | 0.444 | No |
| | | LTE Band 41 | 0.350 | 0.284 | 0.116 | 0.058 | 0.750 | No |
| | | LTE Band 48 | 0.175 | 0.284 | 0.116 | 0.058 | 0.575 | No |
| | | LTE Band 66 | 0.461 | 0.284 | 0.116 | 0.058 | 0.861 | No |
| | | LTE Band 71 | 0.220 | 0.284 | 0.116 | 0.058 | 0.620 | No |
| | | NR Band n5 | 0.309 | 0.284 | 0.116 | 0.058 | 0.709 | No |
| | | NR Band n12 | 0.248 | 0.284 | 0.116 | 0.058 | 0.648 | No |
| | | NR Band n25 | 0.564 | 0.284 | 0.116 | 0.058 | 0.964 | No |
| | | NR Band n30 | 0.835 | 0.284 | 0.116 | 0.058 | 1.235 | No |
| | | NR Band n41 (PC3) | 0.273 | 0.284 | 0.116 | 0.058 | 0.673 | No |
| NR Band n41 (PC2) | 0.388 | 0.284 | 0.116 | 0.058 | 0.788 | No | | |
| NR Band n66 | 0.627 | 0.284 | 0.116 | 0.058 | 1.027 | No | | |
| NR Band n71 | 0.194 | 0.284 | 0.116 | 0.058 | 0.594 | No | | |
| NR Band n77 (PC3) | 0.112 | 0.284 | 0.116 | 0.058 | 0.512 | No | | |
| NR Band n77 (PC2) | 0.173 | 0.284 | 0.116 | 0.058 | 0.573 | No | | |

Simultaneous Transmission Summation Scenario with 2.4 GHz WLAN & 5 GHz WLAN

| Exposure condition | Distance (mm) | Band | WWAN SAR | 2.4 GHz WLAN Ant.1 | 2.4 GHz WLAN Ant.2 | 2.4 GHz WLAN MIMO | 5 GHz WLAN RSDB Ant.1 | 5 GHz WLAN RSDB Ant.2 | ∑ 1-g SAR | ∑ 1-g SAR | ∑ 1-g SAR | SPLSR | |
|--------------------|---------------|-------------------|----------|--------------------|--------------------|-------------------|-----------------------|-----------------------|-----------|-----------|-----------|--------|----------|
| | | | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (Yes/No) |
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 1+2+5+6 | 1+3+5+6 | 1+4+5+6 |) | |
| Body-worn | 15 | EVDO BC10 (S90S) | 0.382 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.630 | 0.537 | 0.535 | No | |
| | | PCS CDMA/EVDO | 0.904 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 1.152 | 1.059 | 1.057 | No | |
| | | EVDO BC0 (S22H) | 0.348 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.596 | 0.503 | 0.501 | No | |
| | | GSM 850 | 0.351 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.599 | 0.506 | 0.504 | No | |
| | | GPRS 850 | 0.358 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.606 | 0.513 | 0.511 | No | |
| | | GSM 1900 | 0.362 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.610 | 0.517 | 0.515 | No | |
| | | GPRS 1900 | 0.478 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.726 | 0.633 | 0.631 | No | |
| | | UMTS 850 | 0.267 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.515 | 0.422 | 0.420 | No | |
| | | UMTS 1700 | 0.895 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 1.143 | 1.050 | 1.048 | No | |
| | | UMTS 1900 | 0.688 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.936 | 0.843 | 0.841 | No | |
| | | LTE Band 7 | 0.589 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.837 | 0.744 | 0.742 | No | |
| | | LTE Band 12 | 0.244 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.492 | 0.399 | 0.397 | No | |
| | | LTE Band 13 | 0.329 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.577 | 0.484 | 0.482 | No | |
| | | LTE Band 14 | 0.327 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.575 | 0.482 | 0.480 | No | |
| | | LTE Band 25 | 0.672 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.920 | 0.827 | 0.825 | No | |
| | | LTE Band 26 (5) | 0.490 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.738 | 0.645 | 0.643 | No | |
| | | LTE Band 30 | 0.728 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.976 | 0.883 | 0.881 | No | |
| | | LTE Band 40 Low | 0.044 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.292 | 0.199 | 0.197 | No | |
| | | LTE Band 40 Upper | 0.044 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.292 | 0.199 | 0.197 | No | |
| | | LTE Band 41 | 0.350 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.598 | 0.505 | 0.503 | No | |
| | | LTE Band 48 | 0.175 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.423 | 0.330 | 0.328 | No | |
| | | LTE Band 66 | 0.461 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.709 | 0.616 | 0.614 | No | |
| | | LTE Band 71 | 0.220 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.468 | 0.375 | 0.373 | No | |
| | | NR Band n5 | 0.309 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.557 | 0.464 | 0.462 | No | |
| | | NR Band n12 | 0.248 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.496 | 0.403 | 0.401 | No | |
| | | NR Band n25 | 0.564 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.812 | 0.719 | 0.717 | No | |
| NR Band n30 | 0.835 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 1.083 | 0.990 | 0.988 | No | | | |
| NR Band n41 (PC3) | 0.273 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.521 | 0.428 | 0.426 | No | | | |
| NR Band n41 (PC2) | 0.388 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.636 | 0.543 | 0.541 | No | | | |
| NR Band n66 | 0.627 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.875 | 0.782 | 0.780 | No | | | |
| NR Band n71 | 0.194 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.442 | 0.349 | 0.347 | No | | | |
| NR Band n77 (PC3) | 0.112 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.360 | 0.267 | 0.265 | No | | | |
| NR Band n77 (PC2) | 0.173 | 0.104 | 0.011 | 0.009 | 0.110 | 0.034 | 0.421 | 0.328 | 0.326 | No | | | |

14.3 Hotspot SAR Simultaneous Transmission Analysis.

| Simultaneous Transmission Scenario with 2.4 GHz WLAN (10mm) | | | | | | | | | |
|---|--------|----------|------------------------|------------------------|-------------------|------------------|------------------|------------------|----------|
| Band | | WWAN SAR | 2.4 GHz WLAN Ant.1 SAR | 2.4 GHz WLAN Ant.2 SAR | 2.4 GHz WLAN MIMO | ∑ 1-g SAR (W/kg) | ∑ 1-g SAR (W/kg) | ∑ 1-g SAR (W/kg) | SPLSR |
| | | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (Yes/No) |
| | | 1 | 2 | 3 | 4 | 1+2 | 1+3 | 1+4 | |
| EVDO BC0 (\$22H) | Rear | 0.788 | 0.711 | 0.101 | 0.198 | 1.499 | 0.889 | 0.986 | No |
| | Front | 0.551 | 0.406 | 0.076 | 0.176 | 0.957 | 0.627 | 0.727 | No |
| | Left | 0.076 | 0.062 | 0.137 | 0.124 | 0.138 | 0.213 | 0.200 | No |
| | Right | 0.273 | | | | 0.273 | 0.273 | 0.273 | No |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No |
| | Bottom | 0.360 | | | | 0.360 | 0.360 | 0.360 | No |
| PCS CDMA | Rear | 0.413 | 0.711 | 0.101 | 0.198 | 1.124 | 0.514 | 0.611 | No |
| | Front | 0.420 | 0.406 | 0.076 | 0.176 | 0.826 | 0.496 | 0.596 | No |
| | Left | 0.112 | 0.062 | 0.137 | 0.124 | 0.174 | 0.249 | 0.236 | No |
| | Right | 0.044 | | | | 0.044 | 0.044 | 0.044 | No |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No |
| | Bottom | 1.042 | | | | 1.042 | 1.042 | 1.042 | No |
| EVDO BC10 (\$90S) | Rear | 0.735 | 0.711 | 0.101 | 0.198 | 1.446 | 0.836 | 0.933 | No |
| | Front | 0.534 | 0.406 | 0.076 | 0.176 | 0.940 | 0.610 | 0.710 | No |
| | Left | 0.107 | 0.062 | 0.137 | 0.124 | 0.169 | 0.244 | 0.231 | No |
| | Right | 0.330 | | | | 0.330 | 0.330 | 0.330 | No |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No |
| | Bottom | 0.348 | | | | 0.348 | 0.348 | 0.348 | No |
| GPRS 850 | Rear | 0.699 | 0.711 | 0.101 | 0.198 | 1.410 | 0.800 | 0.897 | No |
| | Front | 0.549 | 0.406 | 0.076 | 0.176 | 0.955 | 0.625 | 0.725 | No |
| | Left | 0.125 | 0.062 | 0.137 | 0.124 | 0.187 | 0.262 | 0.249 | No |
| | Right | 0.349 | | | | 0.349 | 0.349 | 0.349 | No |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No |
| | Bottom | 0.409 | | | | 0.409 | 0.409 | 0.409 | No |
| GPRS 1900 | Rear | 0.359 | 0.711 | 0.101 | 0.198 | 1.070 | 0.460 | 0.557 | No |
| | Front | 0.330 | 0.406 | 0.076 | 0.176 | 0.736 | 0.406 | 0.506 | No |
| | Left | 0.083 | 0.062 | 0.137 | 0.124 | 0.145 | 0.220 | 0.207 | No |
| | Right | 0.058 | | | | 0.058 | 0.058 | 0.058 | No |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No |
| | Bottom | 0.702 | | | | 0.702 | 0.702 | 0.702 | No |
| UMTS 850 | Rear | 0.739 | 0.711 | 0.101 | 0.198 | 1.450 | 0.840 | 0.937 | No |
| | Front | 0.525 | 0.406 | 0.076 | 0.176 | 0.931 | 0.601 | 0.701 | No |
| | Left | 0.150 | 0.062 | 0.137 | 0.124 | 0.212 | 0.287 | 0.274 | No |
| | Right | 0.252 | | | | 0.252 | 0.252 | 0.252 | No |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No |
| | Bottom | 0.357 | | | | 0.357 | 0.357 | 0.357 | No |
| UMTS 1700 | Rear | 0.354 | 0.711 | 0.101 | 0.198 | 1.065 | 0.455 | 0.552 | No |
| | Front | 0.359 | 0.406 | 0.076 | 0.176 | 0.765 | 0.435 | 0.535 | No |
| | Left | 0.051 | 0.062 | 0.137 | 0.124 | 0.113 | 0.188 | 0.175 | No |
| | Right | 0.090 | | | | 0.090 | 0.090 | 0.090 | No |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No |
| | Bottom | 0.738 | | | | 0.738 | 0.738 | 0.738 | No |

| Simultaneous Transmission Scenario with 2.4 GHz WLAN(10mm) | | | | | | | | | |
|--|--------|----------|------------------------|------------------------|-------------------|------------------|------------------|------------------|----------------|
| Band | | WWAN SAR | 2.4 GHz WLAN Ant.1 SAR | 2.4 GHz WLAN Ant.2 SAR | 2.4 GHz WLAN MIMO | Σ 1-g SAR | Σ 1-g SAR | Σ 1-g SAR | SPLSR (Yes/No) |
| | | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | |
| | | 1 | 2 | 3 | 4 | 1+2 | 1+3 | 1+4 | |
| UMTS 1900 | Rear | 0.319 | 0.711 | 0.101 | 0.198 | 1.030 | 0.420 | 0.517 | No |
| | Front | 0.312 | 0.406 | 0.076 | 0.176 | 0.718 | 0.388 | 0.488 | No |
| | Left | 0.065 | 0.062 | 0.137 | 0.124 | 0.127 | 0.202 | 0.189 | No |
| | Right | 0.052 | | | | 0.052 | 0.052 | 0.052 | No |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No |
| | Bottom | 0.777 | | | | 0.777 | 0.777 | 0.777 | No |
| LTE Band 7 | Rear | 0.377 | 0.711 | 0.101 | 0.198 | 1.088 | 0.478 | 0.575 | No |
| | Front | 0.425 | 0.406 | 0.076 | 0.176 | 0.831 | 0.501 | 0.601 | No |
| | Left | 0.132 | 0.062 | 0.137 | 0.124 | 0.194 | 0.269 | 0.256 | No |
| | Right | | | | | | | | No |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No |
| | Bottom | 0.944 | | | | 0.944 | 0.944 | 0.944 | No |
| LTE Band 12 | Rear | 0.457 | 0.711 | 0.101 | 0.198 | 1.168 | 0.558 | 0.655 | No |
| | Front | 0.334 | 0.406 | 0.076 | 0.176 | 0.740 | 0.410 | 0.510 | No |
| | Left | 0.105 | 0.062 | 0.137 | 0.124 | 0.167 | 0.242 | 0.229 | No |
| | Right | 0.292 | | | | 0.292 | 0.292 | 0.292 | No |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No |
| | Bottom | 0.367 | | | | 0.367 | 0.367 | 0.367 | No |
| LTE Band 13 | Rear | 0.571 | 0.711 | 0.101 | 0.198 | 1.282 | 0.672 | 0.769 | No |
| | Front | 0.391 | 0.406 | 0.076 | 0.176 | 0.797 | 0.467 | 0.567 | No |
| | Left | 0.165 | 0.062 | 0.137 | 0.124 | 0.227 | 0.302 | 0.289 | No |
| | Right | 0.396 | | | | 0.396 | 0.396 | 0.396 | No |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No |
| | Bottom | 0.385 | | | | 0.385 | 0.385 | 0.385 | No |
| LTE Band 14 | Rear | 0.583 | 0.711 | 0.101 | 0.198 | 1.294 | 0.684 | 0.781 | No |
| | Front | 0.395 | 0.406 | 0.076 | 0.176 | 0.801 | 0.471 | 0.571 | No |
| | Left | 0.192 | 0.062 | 0.137 | 0.124 | 0.254 | 0.329 | 0.316 | No |
| | Right | 0.397 | | | | 0.397 | 0.397 | 0.397 | No |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No |
| | Bottom | 0.400 | | | | 0.400 | 0.400 | 0.400 | No |
| LTE Band 25 | Rear | 0.368 | 0.711 | 0.101 | 0.198 | 1.079 | 0.469 | 0.566 | No |
| | Front | 0.306 | 0.406 | 0.076 | 0.176 | 0.712 | 0.382 | 0.482 | No |
| | Left | 0.129 | 0.062 | 0.137 | 0.124 | 0.191 | 0.266 | 0.253 | No |
| | Right | 0.096 | | | | 0.096 | 0.096 | 0.096 | No |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No |
| | Bottom | 1.019 | | | | 1.019 | 1.019 | 1.019 | No |
| LTE Band 26 (5) | Rear | 0.822 | 0.711 | 0.101 | 0.198 | 1.533 | 0.923 | 1.020 | No |
| | Front | 0.510 | 0.406 | 0.076 | 0.176 | 0.916 | 0.586 | 0.686 | No |
| | Left | 0.131 | 0.062 | 0.137 | 0.124 | 0.193 | 0.268 | 0.255 | No |
| | Right | 0.368 | | | | 0.368 | 0.368 | 0.368 | No |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No |
| | Bottom | 0.519 | | | | 0.519 | 0.519 | 0.519 | No |

| Simultaneous Transmission Scenario with 2.4 GHz WLAN(10mm) | | | | | | | | | | |
|--|--------|----------|------------------------|------------------------|-------------------|----------------|----------------|----------------|--------|----------|
| Band | | WWAN SAR | 2.4 GHz WLAN Ant.1 SAR | 2.4 GHz WLAN Ant.2 SAR | 2.4 GHz WLAN MIMO | \sum 1-g SAR | \sum 1-g SAR | \sum 1-g SAR | SPLSR | |
| | | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (Yes/No) |
| | | 1 | 2 | 3 | 4 | 1+2 | 1+3 | 1+4 | | |
| LTE Band 30 | Rear | 0.480 | 0.711 | 0.101 | 0.198 | 1.191 | 0.581 | 0.678 | No | |
| | Front | 0.556 | 0.406 | 0.076 | 0.176 | 0.962 | 0.632 | 0.732 | No | |
| | Left | 0.070 | 0.062 | 0.137 | 0.124 | 0.132 | 0.207 | 0.194 | No | |
| | Right | | | | | | | | No | |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No | |
| | Bottom | 1.075 | | | | 1.075 | 1.075 | 1.075 | No | |
| LTE Band 40 Low | Rear | 0.085 | 0.711 | 0.101 | 0.198 | 0.796 | 0.186 | 0.283 | No | |
| | Front | 0.087 | 0.406 | 0.076 | 0.176 | 0.493 | 0.163 | 0.263 | No | |
| | Left | 0.013 | 0.062 | 0.137 | 0.124 | 0.075 | 0.150 | 0.137 | No | |
| | Right | | | | | | | | No | |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No | |
| | Bottom | 0.162 | | | | 0.162 | 0.162 | 0.162 | No | |
| LTE Band 40 Upper | Rear | 0.074 | 0.711 | 0.101 | 0.198 | 0.785 | 0.175 | 0.272 | No | |
| | Front | 0.040 | 0.406 | 0.076 | 0.176 | 0.446 | 0.116 | 0.216 | No | |
| | Left | 0.015 | 0.062 | 0.137 | 0.124 | 0.077 | 0.152 | 0.139 | No | |
| | Right | | | | | | | | No | |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No | |
| | Bottom | 0.209 | | | | 0.209 | 0.209 | 0.209 | No | |
| LTE Band 41 | Rear | 0.231 | 0.711 | 0.101 | 0.198 | 0.942 | 0.332 | 0.429 | No | |
| | Front | 0.294 | 0.406 | 0.076 | 0.176 | 0.700 | 0.370 | 0.470 | No | |
| | Left | 0.076 | 0.062 | 0.137 | 0.124 | 0.138 | 0.213 | 0.200 | No | |
| | Right | | | | | | | | No | |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No | |
| | Bottom | 0.575 | | | | 0.575 | 0.575 | 0.575 | No | |
| LTE Band 48 | Rear | 0.161 | 0.711 | 0.101 | 0.198 | 0.872 | 0.262 | 0.359 | No | |
| | Front | 0.125 | 0.406 | 0.076 | 0.176 | 0.531 | 0.201 | 0.301 | No | |
| | Left | 0.284 | 0.062 | 0.137 | 0.124 | 0.346 | 0.421 | 0.408 | No | |
| | Right | | | | | | | | No | |
| | Top | 0.233 | 0.864 | 0.031 | 0.439 | 1.097 | 0.264 | 0.672 | No | |
| | Bottom | | | | | | | | No | |
| LTE Band 66 | Rear | 0.422 | 0.711 | 0.101 | 0.198 | 1.133 | 0.523 | 0.620 | No | |
| | Front | 0.404 | 0.406 | 0.076 | 0.176 | 0.810 | 0.480 | 0.580 | No | |
| | Left | 0.081 | 0.062 | 0.137 | 0.124 | 0.143 | 0.218 | 0.205 | No | |
| | Right | 0.086 | | | | 0.086 | 0.086 | 0.086 | No | |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No | |
| | Bottom | 1.009 | | | | 1.009 | 1.009 | 1.009 | No | |
| LTE Band 71 | Rear | 0.382 | 0.711 | 0.101 | 0.198 | 1.093 | 0.483 | 0.580 | No | |
| | Front | 0.227 | 0.406 | 0.076 | 0.176 | 0.633 | 0.303 | 0.403 | No | |
| | Left | 0.102 | 0.062 | 0.137 | 0.124 | 0.164 | 0.239 | 0.226 | No | |
| | Right | 0.272 | | | | 0.272 | 0.272 | 0.272 | No | |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No | |
| | Bottom | 0.237 | | | | 0.237 | 0.237 | 0.237 | No | |

| Simultaneous Transmission Scenario with 2.4 GHz WLAN(10mm) | | | | | | | | | |
|--|--------|----------|------------------------|------------------------|-------------------|----------------|----------------|----------------|----------------|
| Band | | WWAN SAR | 2.4 GHz WLAN Ant.1 SAR | 2.4 GHz WLAN Ant.2 SAR | 2.4 GHz WLAN MIMO | \sum 1-g SAR | \sum 1-g SAR | \sum 1-g SAR | SPLSR (Yes/No) |
| | | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | |
| | | 1 | 2 | 3 | 4 | 1+2 | 1+3 | 1+4 | |
| NR Band n5 | Rear | 0.488 | 0.711 | 0.101 | 0.198 | 1.199 | 0.589 | 0.686 | No |
| | Front | 0.388 | 0.406 | 0.076 | 0.176 | 0.794 | 0.464 | 0.564 | No |
| | Left | 0.065 | 0.062 | 0.137 | 0.124 | 0.127 | 0.202 | 0.189 | No |
| | Right | 0.263 | | | | 0.263 | 0.263 | 0.263 | No |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No |
| | Bottom | 0.307 | | | | 0.307 | 0.307 | 0.307 | No |
| NR Band n12 | Rear | 0.563 | 0.711 | 0.101 | 0.198 | 1.274 | 0.664 | 0.761 | No |
| | Front | 0.487 | 0.406 | 0.076 | 0.176 | 0.893 | 0.563 | 0.663 | No |
| | Left | 0.250 | 0.062 | 0.137 | 0.124 | 0.312 | 0.387 | 0.374 | No |
| | Right | 0.307 | | | | 0.307 | 0.307 | 0.307 | No |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No |
| | Bottom | 0.444 | | | | 0.444 | 0.444 | 0.444 | No |
| NR Band n25 | Rear | 0.321 | 0.711 | 0.101 | 0.198 | 1.032 | 0.422 | 0.519 | No |
| | Front | 0.309 | 0.406 | 0.076 | 0.176 | 0.715 | 0.385 | 0.485 | No |
| | Left | 0.052 | 0.062 | 0.137 | 0.124 | 0.114 | 0.189 | 0.176 | No |
| | Right | 0.044 | | | | 0.044 | 0.044 | 0.044 | No |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No |
| | Bottom | 0.925 | | | | 0.925 | 0.925 | 0.925 | No |
| NR Band n30 | Rear | 0.394 | 0.711 | 0.101 | 0.198 | 1.105 | 0.495 | 0.592 | No |
| | Front | 0.378 | 0.406 | 0.076 | 0.176 | 0.784 | 0.454 | 0.554 | No |
| | Left | 0.079 | 0.062 | 0.137 | 0.124 | 0.141 | 0.216 | 0.203 | No |
| | Right | | | | | | | | No |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No |
| | Bottom | 1.088 | | | | 1.088 | 1.088 | 1.088 | No |
| NR Band n41 (PC3) | Rear | 0.414 | 0.711 | 0.101 | 0.198 | 1.125 | 0.515 | 0.612 | No |
| | Front | 0.404 | 0.406 | 0.076 | 0.176 | 0.810 | 0.480 | 0.580 | No |
| | Left | 0.234 | 0.062 | 0.137 | 0.124 | 0.296 | 0.371 | 0.358 | No |
| | Right | | | | | 0.000 | 0.000 | 0.000 | No |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No |
| | Bottom | 0.823 | | | | 0.823 | 0.823 | 0.823 | No |
| NR Band n41 (PC2) | Rear | 0.322 | 0.711 | 0.101 | 0.198 | 1.033 | 0.423 | 0.520 | No |
| | Front | 0.330 | 0.406 | 0.076 | 0.176 | 0.736 | 0.406 | 0.506 | No |
| | Left | 0.200 | 0.062 | 0.137 | 0.124 | 0.262 | 0.337 | 0.324 | No |
| | Right | | | | | | | | No |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No |
| | Bottom | 0.735 | | | | 0.735 | 0.735 | 0.735 | No |

| Simultaneous Transmission Scenario with 2.4 GHz WLAN(10mm) | | | | | | | | | |
|--|--------|----------|------------------------|------------------------|-------------------|------------------|------------------|------------------|----------------|
| Band | | WWAN SAR | 2.4 GHz WLAN Ant.1 SAR | 2.4 GHz WLAN Ant.2 SAR | 2.4 GHz WLAN MIMO | Σ 1-g SAR | Σ 1-g SAR | Σ 1-g SAR | SPLSR (Yes/No) |
| | | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | |
| | | 1 | 2 | 3 | 4 | 1+2 | 1+3 | 1+4 | |
| NR Band n66 | Rear | 0.707 | 0.711 | 0.101 | 0.198 | 1.418 | 0.808 | 0.905 | No |
| | Front | 0.631 | 0.406 | 0.076 | 0.176 | 1.037 | 0.707 | 0.807 | No |
| | Left | 0.080 | 0.062 | 0.137 | 0.124 | 0.142 | 0.217 | 0.204 | No |
| | Right | 0.112 | | | | 0.112 | 0.112 | 0.112 | No |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No |
| | Bottom | 1.031 | | | | 1.031 | 1.031 | 1.031 | No |
| NR Band n71 | Rear | 0.405 | 0.711 | 0.101 | 0.198 | 1.116 | 0.506 | 0.603 | No |
| | Front | 0.303 | 0.406 | 0.076 | 0.176 | 0.709 | 0.379 | 0.479 | No |
| | Left | 0.205 | 0.062 | 0.137 | 0.124 | 0.267 | 0.342 | 0.329 | No |
| | Right | 0.277 | | | | 0.277 | 0.277 | 0.277 | No |
| | Top | | 0.864 | 0.031 | 0.439 | 0.864 | 0.031 | 0.439 | No |
| | Bottom | 0.246 | | | | 0.246 | 0.246 | 0.246 | No |
| NR Band n77 (PC3) | Rear | 0.247 | 0.711 | 0.101 | 0.198 | 0.958 | 0.348 | 0.445 | No |
| | Front | 0.282 | 0.406 | 0.076 | 0.176 | 0.688 | 0.358 | 0.458 | No |
| | Left | 0.347 | 0.062 | 0.137 | 0.124 | 0.409 | 0.484 | 0.471 | No |
| | Right | | | | | | | | No |
| | Top | 0.251 | 0.864 | 0.031 | 0.439 | 1.115 | 0.282 | 0.690 | No |
| | Bottom | | | | | | | | No |
| NR Band n77 (PC2) | Rear | 0.397 | 0.711 | 0.101 | 0.198 | 1.108 | 0.498 | 0.595 | No |
| | Front | 0.283 | 0.406 | 0.076 | 0.176 | 0.689 | 0.359 | 0.459 | No |
| | Left | 0.523 | 0.062 | 0.137 | 0.124 | 0.585 | 0.660 | 0.647 | No |
| | Right | | | | | | | | No |
| | Top | 0.320 | 0.864 | 0.031 | 0.439 | 1.184 | 0.351 | 0.759 | No |
| | Bottom | | | | | | | | No |

| Simultaneous Transmission Scenario with 5 GHz WLAN (10mm) | | | | | | | | |
|---|--------|----------|---------------------|---------------------|-----------|-----------|-----------|-------------------|
| Band | | WWAN SAR | 5 GHz WLAN | 5 GHz WLAN | ∑ 1-g SAR | ∑ 1-g SAR | ∑ 1-g SAR | SPLSR (Yes/No) |
| | | (W/kg) | Ant.1 SAR (W/kg) | Ant.2 SAR (W/kg) | (W/kg) | (W/kg) | (W/kg) | |
| | | 1 | 2 | 3 | 1+2 | 1+3 | 1+2+3 | |
| EVDO BC0 (§22H) | Rear | 0.788 | 0.468 | 0.033 | 1.256 | 0.821 | 1.289 | No |
| | Front | 0.551 | 0.196 | 0.030 | 0.747 | 0.581 | 0.777 | No |
| | Left | 0.076 | 0.557 | 0.059 | 0.633 | 0.135 | 0.692 | No |
| | Right | 0.273 | | | 0.273 | 0.273 | 0.273 | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 0.360 | | | 0.360 | 0.360 | 0.360 | No |
| PCS CDMA | Rear | 0.413 | 0.468 | 0.033 | 0.881 | 0.446 | 0.914 | No |
| | Front | 0.420 | 0.196 | 0.030 | 0.616 | 0.450 | 0.646 | No |
| | Left | 0.112 | 0.557 | 0.059 | 0.669 | 0.171 | 0.728 | No |
| | Right | 0.044 | | | 0.044 | 0.044 | 0.044 | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 1.042 | | | 1.042 | 1.042 | 1.042 | No |
| EVDO BC10 (§90S) | Rear | 0.735 | 0.468 | 0.033 | 1.203 | 0.768 | 1.236 | No |
| | Front | 0.534 | 0.196 | 0.030 | 0.730 | 0.564 | 0.760 | No |
| | Left | 0.107 | 0.557 | 0.059 | 0.664 | 0.166 | 0.723 | No |
| | Right | 0.330 | | | 0.330 | 0.330 | 0.330 | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 0.348 | | | 0.348 | 0.348 | 0.348 | No |
| GPRS 850 | Rear | 0.699 | 0.468 | 0.033 | 1.167 | 0.732 | 1.200 | No |
| | Front | 0.549 | 0.196 | 0.030 | 0.745 | 0.579 | 0.775 | No |
| | Left | 0.125 | 0.557 | 0.059 | 0.682 | 0.184 | 0.741 | No |
| | Right | 0.349 | | | 0.349 | 0.349 | 0.349 | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 0.409 | | | 0.409 | 0.409 | 0.409 | No |
| GPRS 1900 | Rear | 0.359 | 0.468 | 0.033 | 0.827 | 0.392 | 0.860 | No |
| | Front | 0.330 | 0.196 | 0.030 | 0.526 | 0.360 | 0.556 | No |
| | Left | 0.083 | 0.557 | 0.059 | 0.640 | 0.142 | 0.699 | No |
| | Right | 0.058 | | | 0.058 | 0.058 | 0.058 | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 0.702 | | | 0.702 | 0.702 | 0.702 | No |
| UMTS 850 | Rear | 0.739 | 0.468 | 0.033 | 1.207 | 0.772 | 1.240 | No |
| | Front | 0.525 | 0.196 | 0.030 | 0.721 | 0.555 | 0.751 | No |
| | Left | 0.150 | 0.557 | 0.059 | 0.707 | 0.209 | 0.766 | No |
| | Right | 0.252 | | | 0.252 | 0.252 | 0.252 | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 0.357 | | | 0.357 | 0.357 | 0.357 | No |
| UMTS 1700 | Rear | 0.354 | 0.468 | 0.033 | 0.822 | 0.387 | 0.855 | No |
| | Front | 0.359 | 0.196 | 0.030 | 0.555 | 0.389 | 0.585 | No |
| | Left | 0.051 | 0.557 | 0.059 | 0.608 | 0.110 | 0.667 | No |
| | Right | 0.090 | | | 0.090 | 0.090 | 0.090 | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 0.738 | | | 0.738 | 0.738 | 0.738 | No |

| Simultaneous Transmission Scenario with 5 GHz WLAN(10mm) | | | | | | | | |
|--|--------|----------|----------------------|----------------------|------------------|------------------|------------------|----------|
| Band | | WWAN SAR | 5 GHz WLAN Ant.1 SAR | 5 GHz WLAN Ant.2 SAR | Σ 1-g SAR | Σ 1-g SAR | Σ 1-g SAR | SPLSR |
| | | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (Yes/No) |
| | | 1 | 2 | 3 | 1+2 | 1+3 | 1+2+3 | |
| UMTS 1900 | Rear | 0.319 | 0.468 | 0.033 | 0.787 | 0.352 | 0.820 | No |
| | Front | 0.312 | 0.196 | 0.030 | 0.508 | 0.342 | 0.538 | No |
| | Left | 0.065 | 0.557 | 0.059 | 0.622 | 0.124 | 0.681 | No |
| | Right | 0.052 | | | 0.052 | 0.052 | 0.052 | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 0.777 | | | 0.777 | 0.777 | 0.777 | No |
| LTE Band 7 | Rear | 0.377 | 0.468 | 0.033 | 0.845 | 0.410 | 0.878 | No |
| | Front | 0.425 | 0.196 | 0.030 | 0.621 | 0.455 | 0.651 | No |
| | Left | 0.132 | 0.557 | 0.059 | 0.689 | 0.191 | 0.748 | No |
| | Right | | | | | | | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 0.944 | | | 0.944 | 0.944 | 0.944 | No |
| LTE Band 12 | Rear | 0.457 | 0.468 | 0.033 | 0.925 | 0.490 | 0.958 | No |
| | Front | 0.334 | 0.196 | 0.030 | 0.530 | 0.364 | 0.560 | No |
| | Left | 0.105 | 0.557 | 0.059 | 0.662 | 0.164 | 0.721 | No |
| | Right | 0.292 | | | 0.292 | 0.292 | 0.292 | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 0.367 | | | 0.367 | 0.367 | 0.367 | No |
| LTE Band 13 | Rear | 0.571 | 0.468 | 0.033 | 1.039 | 0.604 | 1.072 | No |
| | Front | 0.391 | 0.196 | 0.030 | 0.587 | 0.421 | 0.617 | No |
| | Left | 0.165 | 0.557 | 0.059 | 0.722 | 0.224 | 0.781 | No |
| | Right | 0.396 | | | 0.396 | 0.396 | 0.396 | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 0.385 | | | 0.385 | 0.385 | 0.385 | No |
| LTE Band 14 | Rear | 0.583 | 0.468 | 0.033 | 1.051 | 0.616 | 1.084 | No |
| | Front | 0.395 | 0.196 | 0.030 | 0.591 | 0.425 | 0.621 | No |
| | Left | 0.192 | 0.557 | 0.059 | 0.749 | 0.251 | 0.808 | No |
| | Right | 0.397 | | | 0.397 | 0.397 | 0.397 | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 0.400 | | | 0.400 | 0.400 | 0.400 | No |
| LTE Band 25 | Rear | 0.368 | 0.468 | 0.033 | 0.836 | 0.401 | 0.869 | No |
| | Front | 0.306 | 0.196 | 0.030 | 0.502 | 0.336 | 0.532 | No |
| | Left | 0.129 | 0.557 | 0.059 | 0.686 | 0.188 | 0.745 | No |
| | Right | 0.096 | | | 0.096 | 0.096 | 0.096 | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 1.019 | | | 1.019 | 1.019 | 1.019 | No |
| LTE Band 26 (5) | Rear | 0.822 | 0.468 | 0.033 | 1.290 | 0.855 | 1.323 | No |
| | Front | 0.510 | 0.196 | 0.030 | 0.706 | 0.540 | 0.736 | No |
| | Left | 0.131 | 0.557 | 0.059 | 0.688 | 0.190 | 0.747 | No |
| | Right | 0.368 | | | 0.368 | 0.368 | 0.368 | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 0.519 | | | 0.519 | 0.519 | 0.519 | No |

| Simultaneous Transmission Scenario with 5 GHz WLAN(10mm) | | | | | | | | |
|--|--------|----------|----------------------|----------------------|------------------|------------------|------------------|----------|
| Band | | WWAN SAR | 5 GHz WLAN Ant.1 SAR | 5 GHz WLAN Ant.2 SAR | Σ 1-g SAR | Σ 1-g SAR | Σ 1-g SAR | SPLSR |
| | | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (Yes/No) |
| | | 1 | 2 | 3 | 1+2 | 1+3 | 1+2+3 | |
| LTE Band 30 | Rear | 0.480 | 0.468 | 0.033 | 0.948 | 0.513 | 0.981 | No |
| | Front | 0.556 | 0.196 | 0.030 | 0.752 | 0.586 | 0.782 | No |
| | Left | 0.070 | 0.557 | 0.059 | 0.627 | 0.129 | 0.686 | No |
| | Right | | | | | | | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 1.075 | | | 1.075 | 1.075 | 1.075 | No |
| LTE Band 40 Low | Rear | 0.085 | 0.468 | 0.033 | 0.553 | 0.118 | 0.586 | No |
| | Front | 0.087 | 0.196 | 0.030 | 0.283 | 0.117 | 0.313 | No |
| | Left | 0.013 | 0.557 | 0.059 | 0.570 | 0.072 | 0.629 | No |
| | Right | | | | | | | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 0.162 | | | 0.162 | 0.162 | 0.162 | No |
| LTE Band 40 Upper | Rear | 0.074 | 0.468 | 0.033 | 0.542 | 0.107 | 0.575 | No |
| | Front | 0.040 | 0.196 | 0.030 | 0.236 | 0.070 | 0.266 | No |
| | Left | 0.015 | 0.557 | 0.059 | 0.572 | 0.074 | 0.631 | No |
| | Right | | | | | | | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 0.209 | | | 0.209 | 0.209 | 0.209 | No |
| LTE Band 41 | Rear | 0.231 | 0.468 | 0.033 | 0.699 | 0.264 | 0.732 | No |
| | Front | 0.294 | 0.196 | 0.030 | 0.490 | 0.324 | 0.520 | No |
| | Left | 0.076 | 0.557 | 0.059 | 0.633 | 0.135 | 0.692 | No |
| | Right | | | | | | | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 0.575 | | | 0.575 | 0.575 | 0.575 | No |
| LTE Band 48 | Rear | 0.161 | 0.468 | 0.033 | 0.629 | 0.194 | 0.662 | No |
| | Front | 0.125 | 0.196 | 0.030 | 0.321 | 0.155 | 0.351 | No |
| | Left | 0.284 | 0.557 | 0.059 | 0.841 | 0.343 | 0.900 | No |
| | Right | | | | | | | No |
| | Top | 0.233 | 0.318 | 0.021 | 0.551 | 0.254 | 0.572 | No |
| | Bottom | | | | | | | No |
| LTE Band 66 | Rear | 0.422 | 0.468 | 0.033 | 0.890 | 0.455 | 0.923 | No |
| | Front | 0.404 | 0.196 | 0.030 | 0.600 | 0.434 | 0.630 | No |
| | Left | 0.081 | 0.557 | 0.059 | 0.638 | 0.140 | 0.697 | No |
| | Right | 0.086 | | | 0.086 | 0.086 | 0.086 | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 1.009 | | | 1.009 | 1.009 | 1.009 | No |
| LTE Band 71 | Rear | 0.382 | 0.468 | 0.033 | 0.850 | 0.415 | 0.883 | No |
| | Front | 0.227 | 0.196 | 0.030 | 0.423 | 0.257 | 0.453 | No |
| | Left | 0.102 | 0.557 | 0.059 | 0.659 | 0.161 | 0.718 | No |
| | Right | 0.272 | | | 0.272 | 0.272 | 0.272 | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 0.237 | | | 0.237 | 0.237 | 0.237 | No |

| Simultaneous Transmission Scenario with 5 GHz WLAN(10mm) | | | | | | | | |
|--|--------|----------|----------------------|----------------------|------------------|------------------|------------------|----------|
| Band | | WWAN SAR | 5 GHz WLAN Ant.1 SAR | 5 GHz WLAN Ant.2 SAR | Σ 1-g SAR | Σ 1-g SAR | Σ 1-g SAR | SPLSR |
| | | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (Yes/No) |
| | | 1 | 2 | 3 | 1+2 | 1+3 | 1+2+3 | |
| NR Band n5 | Rear | 0.488 | 0.468 | 0.033 | 0.956 | 0.521 | 0.989 | No |
| | Front | 0.388 | 0.196 | 0.030 | 0.584 | 0.418 | 0.614 | No |
| | Left | 0.065 | 0.557 | 0.059 | 0.622 | 0.124 | 0.681 | No |
| | Right | 0.263 | | | 0.263 | 0.263 | 0.263 | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 0.307 | | | 0.307 | 0.307 | 0.307 | No |
| NR Band n12 | Rear | 0.563 | 0.468 | 0.033 | 1.031 | 0.596 | 1.064 | No |
| | Front | 0.487 | 0.196 | 0.030 | 0.683 | 0.517 | 0.713 | No |
| | Left | 0.250 | 0.557 | 0.059 | 0.807 | 0.309 | 0.866 | No |
| | Right | 0.307 | | | 0.307 | 0.307 | 0.307 | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 0.444 | | | 0.444 | 0.444 | 0.444 | No |
| NR Band n25 | Rear | 0.321 | 0.468 | 0.033 | 0.789 | 0.354 | 0.822 | No |
| | Front | 0.309 | 0.196 | 0.030 | 0.505 | 0.339 | 0.535 | No |
| | Left | 0.052 | 0.557 | 0.059 | 0.609 | 0.111 | 0.668 | No |
| | Right | 0.044 | | | 0.044 | 0.044 | 0.044 | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 0.925 | | | 0.925 | 0.925 | 0.925 | No |
| NR Band n30 | Rear | 0.394 | 0.468 | 0.033 | 0.862 | 0.427 | 0.895 | No |
| | Front | 0.378 | 0.196 | 0.030 | 0.574 | 0.408 | 0.604 | No |
| | Left | 0.079 | 0.557 | 0.059 | 0.636 | 0.138 | 0.695 | No |
| | Right | | | | | | | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 1.088 | | | 1.088 | 1.088 | 1.088 | No |
| NR Band n41 (PC3) | Rear | 0.414 | 0.468 | 0.033 | 0.882 | 0.447 | 0.915 | No |
| | Front | 0.404 | 0.196 | 0.030 | 0.600 | 0.434 | 0.630 | No |
| | Left | 0.234 | 0.557 | 0.059 | 0.791 | 0.293 | 0.850 | No |
| | Right | | | | | | | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 0.823 | | | 0.823 | 0.823 | 0.823 | No |
| NR Band n41 (PC2) | Rear | 0.322 | 0.468 | 0.033 | 0.790 | 0.355 | 0.823 | No |
| | Front | 0.330 | 0.196 | 0.030 | 0.526 | 0.360 | 0.556 | No |
| | Left | 0.200 | 0.557 | 0.059 | 0.757 | 0.259 | 0.816 | No |
| | Right | | | | | | | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 0.735 | | | 0.735 | 0.735 | 0.735 | No |

| Simultaneous Transmission Scenario with 5 GHz WLAN(10mm) | | | | | | | | |
|--|--------|----------|----------------------|----------------------|----------------|----------------|----------------|----------|
| Band | | WWAN SAR | 5 GHz WLAN Ant.1 SAR | 5 GHz WLAN Ant.2 SAR | \sum 1-g SAR | \sum 1-g SAR | \sum 1-g SAR | SPLSR |
| | | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (Yes/No) |
| | | 1 | 2 | 3 | 1+2 | 1+3 | 1+2+3 | |
| NR Band n66 | Rear | 0.707 | 0.468 | 0.033 | 1.175 | 0.740 | 1.208 | No |
| | Front | 0.631 | 0.196 | 0.030 | 0.827 | 0.661 | 0.857 | No |
| | Left | 0.080 | 0.557 | 0.059 | 0.637 | 0.139 | 0.696 | No |
| | Right | 0.112 | | | 0.112 | 0.112 | 0.112 | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 1.031 | | | 1.031 | 1.031 | 1.031 | No |
| NR Band n71 | Rear | 0.405 | 0.468 | 0.033 | 0.873 | 0.438 | 0.906 | No |
| | Front | 0.303 | 0.196 | 0.030 | 0.499 | 0.333 | 0.529 | No |
| | Left | 0.205 | 0.557 | 0.059 | 0.762 | 0.264 | 0.821 | No |
| | Right | 0.277 | | | 0.277 | 0.277 | 0.277 | No |
| | Top | | 0.318 | 0.021 | 0.318 | 0.021 | 0.339 | No |
| | Bottom | 0.246 | | | 0.246 | 0.246 | 0.246 | No |
| NR Band n77 (PC3) | Rear | 0.247 | 0.468 | 0.033 | 0.715 | 0.280 | 0.748 | No |
| | Front | 0.282 | 0.196 | 0.030 | 0.478 | 0.312 | 0.508 | No |
| | Left | 0.347 | 0.557 | 0.059 | 0.904 | 0.406 | 0.963 | No |
| | Right | | | | | | | No |
| | Top | 0.251 | 0.318 | 0.021 | 0.569 | 0.272 | 0.590 | No |
| | Bottom | | | | | | | No |
| NR Band n77 (PC2) | Rear | 0.397 | 0.468 | 0.033 | 0.865 | 0.430 | 0.898 | No |
| | Front | 0.283 | 0.196 | 0.030 | 0.479 | 0.313 | 0.509 | No |
| | Left | 0.523 | 0.557 | 0.059 | 1.080 | 0.582 | 1.139 | No |
| | Right | | | | | | | No |
| | Top | 0.320 | 0.318 | 0.021 | 0.638 | 0.341 | 0.659 | No |
| | Bottom | | | | | | | No |

| Simultaneous Transmission Scenario with 5 GHz MIMO WLAN & Bluetooth (10mm) | | | | | | | |
|--|--------|-----------------|--------------------|--------------------|---------------|------------------|----------|
| Band | | WWAN SAR (W/kg) | 5GHz WLAN Ant1 SAR | 5GHz WLAN Ant2 SAR | Bluetooth SAR | ∑ 1-g SAR (W/kg) | SPLSR |
| | | 1 | 2 | 3 | 4 | 1+2+3+4 | (Yes/No) |
| EVDO BC0 (§22H) | Rear | 0.788 | 0.468 | 0.033 | 0.155 | 1.444 | No |
| | Front | 0.551 | 0.196 | 0.030 | 0.076 | 0.853 | No |
| | Left | 0.076 | 0.557 | 0.059 | 0.016 | 0.708 | No |
| | Right | 0.273 | | | | 0.273 | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 0.360 | | | | 0.360 | No |
| PCS CDMA | Rear | 0.413 | 0.468 | 0.033 | 0.155 | 1.069 | No |
| | Front | 0.420 | 0.196 | 0.030 | 0.076 | 0.722 | No |
| | Left | 0.112 | 0.557 | 0.059 | 0.016 | 0.744 | No |
| | Right | 0.044 | | | | 0.044 | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 1.042 | | | | 1.042 | No |
| EVDO BC10 (§90S) | Rear | 0.735 | 0.468 | 0.033 | 0.155 | 1.391 | No |
| | Front | 0.534 | 0.196 | 0.030 | 0.076 | 0.836 | No |
| | Left | 0.107 | 0.557 | 0.059 | 0.016 | 0.739 | No |
| | Right | 0.330 | | | | 0.330 | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 0.348 | | | | 0.348 | No |
| GPRS 850 | Rear | 0.699 | 0.468 | 0.033 | 0.155 | 1.355 | No |
| | Front | 0.549 | 0.196 | 0.030 | 0.076 | 0.851 | No |
| | Left | 0.125 | 0.557 | 0.059 | 0.016 | 0.757 | No |
| | Right | 0.349 | | | | 0.349 | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 0.409 | | | | 0.409 | No |
| GPRS 1900 | Rear | 0.359 | 0.468 | 0.033 | 0.155 | 1.015 | No |
| | Front | 0.330 | 0.196 | 0.030 | 0.076 | 0.632 | No |
| | Left | 0.083 | 0.557 | 0.059 | 0.016 | 0.715 | No |
| | Right | 0.058 | | | | 0.058 | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 0.702 | | | | 0.702 | No |
| UMTS 850 | Rear | 0.739 | 0.468 | 0.033 | 0.155 | 1.395 | No |
| | Front | 0.525 | 0.196 | 0.030 | 0.076 | 0.827 | No |
| | Left | 0.150 | 0.557 | 0.059 | 0.016 | 0.782 | No |
| | Right | 0.252 | | | | 0.252 | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 0.357 | | | | 0.357 | No |
| UMTS 1700 | Rear | 0.354 | 0.468 | 0.033 | 0.155 | 1.010 | No |
| | Front | 0.359 | 0.196 | 0.030 | 0.076 | 0.661 | No |
| | Left | 0.051 | 0.557 | 0.059 | 0.016 | 0.683 | No |
| | Right | 0.090 | | | | 0.090 | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 0.738 | | | | 0.738 | No |
| UMTS 1900 | Rear | 0.319 | 0.468 | 0.033 | 0.155 | 0.975 | No |
| | Front | 0.312 | 0.196 | 0.030 | 0.076 | 0.614 | No |
| | Left | 0.065 | 0.557 | 0.059 | 0.016 | 0.697 | No |
| | Right | 0.052 | | | | 0.052 | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 0.777 | | | | 0.777 | No |

| Simultaneous Transmission Scenario with 5 GHz MIMO WLAN & Bluetooth (10mm) | | | | | | | |
|--|--------|-----------------|--------------------|--------------------|---------------|-------------------------|----------|
| Band | | WWAN SAR (W/kg) | 5GHz WLAN Ant1 SAR | 5GHz WLAN Ant2 SAR | Bluetooth SAR | Σ 1-g SAR (W/kg) | SPLSR |
| | | 1 | 2 | 3 | 4 | 1+2+3+4 | (Yes/No) |
| LTE Band 7 | Rear | 0.377 | 0.468 | 0.033 | 0.155 | 1.033 | No |
| | Front | 0.425 | 0.196 | 0.030 | 0.076 | 0.727 | No |
| | Left | 0.132 | 0.557 | 0.059 | 0.016 | 0.764 | No |
| | Right | | | | | | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 0.944 | | | | 0.944 | No |
| LTE Band 12 | Rear | 0.457 | 0.468 | 0.033 | 0.155 | 1.113 | No |
| | Front | 0.334 | 0.196 | 0.030 | 0.076 | 0.636 | No |
| | Left | 0.105 | 0.557 | 0.059 | 0.016 | 0.737 | No |
| | Right | 0.292 | | | | 0.292 | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 0.367 | | | | 0.367 | No |
| LTE Band 13 | Rear | 0.571 | 0.468 | 0.033 | 0.155 | 1.227 | No |
| | Front | 0.391 | 0.196 | 0.030 | 0.076 | 0.693 | No |
| | Left | 0.165 | 0.557 | 0.059 | 0.016 | 0.797 | No |
| | Right | 0.396 | | | | 0.396 | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 0.385 | | | | 0.385 | No |
| LTE Band 14 | Rear | 0.583 | 0.468 | 0.033 | 0.155 | 1.239 | No |
| | Front | 0.395 | 0.196 | 0.030 | 0.076 | 0.697 | No |
| | Left | 0.192 | 0.557 | 0.059 | 0.016 | 0.824 | No |
| | Right | 0.397 | | | | 0.397 | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 0.400 | | | | 0.400 | No |
| LTE Band 25 | Rear | 0.368 | 0.468 | 0.033 | 0.155 | 1.024 | No |
| | Front | 0.306 | 0.196 | 0.030 | 0.076 | 0.608 | No |
| | Left | 0.129 | 0.557 | 0.059 | 0.016 | 0.761 | No |
| | Right | 0.096 | | | | 0.096 | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 1.019 | | | | 1.019 | No |
| LTE Band 26(5) | Rear | 0.822 | 0.468 | 0.033 | 0.155 | 1.478 | No |
| | Front | 0.510 | 0.196 | 0.030 | 0.076 | 0.812 | No |
| | Left | 0.131 | 0.557 | 0.059 | 0.016 | 0.763 | No |
| | Right | 0.368 | | | | 0.368 | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 0.519 | | | | 0.519 | No |
| LTE Band 30 | Rear | 0.480 | 0.468 | 0.033 | 0.155 | 1.136 | No |
| | Front | 0.556 | 0.196 | 0.030 | 0.076 | 0.858 | No |
| | Left | 0.070 | 0.557 | 0.059 | 0.016 | 0.702 | No |
| | Right | | | | | | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 1.075 | | | | 1.075 | No |
| LTE Band 40 Low | Rear | 0.085 | 0.468 | 0.033 | 0.155 | 0.741 | No |
| | Front | 0.087 | 0.196 | 0.030 | 0.076 | 0.389 | No |
| | Left | 0.013 | 0.557 | 0.059 | 0.016 | 0.645 | No |
| | Right | | | | | | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 0.162 | | | | 0.162 | No |

| Simultaneous Transmission Scenario with 5 GHz MIMO WLAN & Bluetooth (10mm) | | | | | | | |
|--|--------|-----------------|--------------------|--------------------|---------------|-------------------------|----------|
| Band | | WWAN SAR (W/kg) | 5GHz WLAN Ant1 SAR | 5GHz WLAN Ant2 SAR | Bluetooth SAR | Σ 1-g SAR (W/kg) | SPLSR |
| | | 1 | 2 | 3 | 3 | 1+2+3+4 | (Yes/No) |
| LTE Band 40 Upper | Rear | 0.074 | 0.468 | 0.033 | 0.155 | 0.730 | No |
| | Front | 0.040 | 0.196 | 0.030 | 0.076 | 0.342 | No |
| | Left | 0.015 | 0.557 | 0.059 | 0.016 | 0.647 | No |
| | Right | | | | | | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 0.209 | | | | 0.209 | No |
| LTE Band 41 | Rear | 0.231 | 0.468 | 0.033 | 0.155 | 0.887 | No |
| | Front | 0.294 | 0.196 | 0.030 | 0.076 | 0.596 | No |
| | Left | 0.076 | 0.557 | 0.059 | 0.016 | 0.708 | No |
| | Right | | | | | | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 0.575 | | | | 0.575 | No |
| LTE Band 48 | Rear | 0.161 | 0.468 | 0.033 | 0.155 | 0.817 | No |
| | Front | 0.125 | 0.196 | 0.030 | 0.076 | 0.427 | No |
| | Left | 0.284 | 0.557 | 0.059 | 0.016 | 0.916 | No |
| | Right | | | | | | No |
| | Top | 0.233 | 0.318 | 0.021 | 0.204 | 0.776 | No |
| | Bottom | | | | | | No |
| LTE Band 66 | Rear | 0.422 | 0.468 | 0.033 | 0.155 | 1.078 | No |
| | Front | 0.404 | 0.196 | 0.030 | 0.076 | 0.706 | No |
| | Left | 0.081 | 0.557 | 0.059 | 0.016 | 0.713 | No |
| | Right | 0.086 | | | | 0.086 | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 1.009 | | | | 1.009 | No |
| LTE Band 71 | Rear | 0.382 | 0.468 | 0.033 | 0.155 | 1.038 | No |
| | Front | 0.227 | 0.196 | 0.030 | 0.076 | 0.529 | No |
| | Left | 0.102 | 0.557 | 0.059 | 0.016 | 0.734 | No |
| | Right | 0.272 | | | | 0.272 | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 0.237 | | | | 0.237 | No |

| Simultaneous Transmission Scenario with 5 GHz MIMO WLAN & Bluetooth (10mm) | | | | | | | |
|--|--------|-----------------|--------------------|--------------------|---------------|-------------------------|----------|
| Band | | WWAN SAR (W/kg) | 5GHz WLAN Ant1 SAR | 5GHz WLAN Ant2 SAR | Bluetooth SAR | Σ 1-g SAR (W/kg) | SPLSR |
| | | 1 | 2 | 3 | 4 | 1+2+3+4 | (Yes/No) |
| NR Band n5 | Rear | 0.488 | 0.468 | 0.033 | 0.155 | 1.144 | No |
| | Front | 0.388 | 0.196 | 0.030 | 0.076 | 0.690 | No |
| | Left | 0.065 | 0.557 | 0.059 | 0.016 | 0.697 | No |
| | Right | 0.263 | | | | 0.263 | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 0.307 | | | | 0.307 | No |
| NR Band n12 | Rear | 0.563 | 0.468 | 0.033 | 0.155 | 1.219 | No |
| | Front | 0.487 | 0.196 | 0.030 | 0.076 | 0.789 | No |
| | Left | 0.250 | 0.557 | 0.059 | 0.016 | 0.882 | No |
| | Right | 0.307 | | | | 0.307 | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 0.444 | | | | 0.444 | No |
| NR Band n25 | Rear | 0.321 | 0.468 | 0.033 | 0.155 | 0.977 | No |
| | Front | 0.309 | 0.196 | 0.030 | 0.076 | 0.611 | No |
| | Left | 0.052 | 0.557 | 0.059 | 0.016 | 0.684 | No |
| | Right | 0.044 | | | | 0.044 | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 0.925 | | | | 0.925 | No |
| NR Band n30 | Rear | 0.394 | 0.468 | 0.033 | 0.155 | 1.050 | No |
| | Front | 0.378 | 0.196 | 0.030 | 0.076 | 0.680 | No |
| | Left | 0.079 | 0.557 | 0.059 | 0.016 | 0.711 | No |
| | Right | | | | | | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 1.088 | | | | 1.088 | No |
| NR Band n41 (PC3) | Rear | 0.414 | 0.468 | 0.033 | 0.155 | 1.070 | No |
| | Front | 0.404 | 0.196 | 0.030 | 0.076 | 0.706 | No |
| | Left | 0.234 | 0.557 | 0.059 | 0.016 | 0.866 | No |
| | Right | | | | | | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 0.823 | | | | 0.823 | No |
| NR Band n41 (PC2) | Rear | 0.322 | 0.468 | 0.033 | 0.155 | 0.978 | No |
| | Front | 0.330 | 0.196 | 0.030 | 0.076 | 0.632 | No |
| | Left | 0.200 | 0.557 | 0.059 | 0.016 | 0.832 | No |
| | Right | | | | | | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 0.735 | | | | 0.735 | No |
| NR Band n66 | Rear | 0.707 | 0.468 | 0.033 | 0.155 | 1.363 | No |
| | Front | 0.631 | 0.196 | 0.030 | 0.076 | 0.933 | No |
| | Left | 0.080 | 0.557 | 0.059 | 0.016 | 0.712 | No |
| | Right | 0.112 | | | | 0.112 | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 1.031 | | | | 1.031 | No |

| Simultaneous Transmission Scenario with 5 GHz MIMO WLAN & Bluetooth (10mm) | | | | | | | |
|--|--------|-----------------|--------------------|--------------------|---------------|-----------------------|----------|
| Band | | WWAN SAR (W/kg) | 5GHz WLAN Ant1 SAR | 5GHz WLAN Ant2 SAR | Bluetooth SAR | \sum 1-g SAR (W/kg) | SPLSR |
| | | 1 | 2 | 3 | 4 | 1+2+3+4 | (Yes/No) |
| NR Band n71 | Rear | 0.405 | 0.468 | 0.033 | 0.155 | 1.061 | No |
| | Front | 0.303 | 0.196 | 0.030 | 0.076 | 0.605 | No |
| | Left | 0.205 | 0.557 | 0.059 | 0.016 | 0.837 | No |
| | Right | 0.277 | | | | 0.277 | No |
| | Top | | 0.318 | 0.021 | 0.204 | 0.543 | No |
| | Bottom | 0.246 | | | | 0.246 | No |
| NR Band n77 (PC3) | Rear | 0.247 | 0.468 | 0.033 | 0.155 | 0.903 | No |
| | Front | 0.282 | 0.196 | 0.030 | 0.076 | 0.584 | No |
| | Left | 0.347 | 0.557 | 0.059 | 0.016 | 0.979 | No |
| | Right | | | | | | No |
| | Top | 0.251 | 0.318 | 0.021 | 0.204 | 0.794 | No |
| | Bottom | | | | | | No |
| NR Band n77 (PC2) | Rear | 0.397 | 0.468 | 0.033 | 0.155 | 1.053 | No |
| | Front | 0.283 | 0.196 | 0.030 | 0.076 | 0.585 | No |
| | Left | 0.523 | 0.557 | 0.059 | 0.016 | 1.155 | No |
| | Right | | | | | | No |
| | Top | 0.320 | 0.318 | 0.021 | 0.204 | 0.863 | No |
| | Bottom | | | | | | No |

Simultaneous Transmission Scenario with 2.4 GHz MIMO WLAN & 5 GHz MIMO WLAN (10mm)

| Band | | WWAN SAR | 2.4 GHz WLAN Ant.1 | 2.4 GHz WLAN Ant.2 | 2.4 GHz WLAN MIMO | 5 GHz WLAN Ant.1 | 5 GHz WLAN Ant.2 | ∑ 1-g SAR | ∑ 1-g SAR | ∑ 1-g SAR | SPLSR |
|-------------------|--------|----------|--------------------|--------------------|-------------------|------------------|------------------|-----------|-----------|-----------|----------|
| | | (W/kg) | RSDB SAR | RSDB SAR | RSDB SAR | Ant.1 RSDB SAR | RSDB SAR | (W/kg) | (W/kg) | (W/kg) | (Yes/No) |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 1+2+5+6 | 1+3+5+6 | 1+4+5+6 | |
| EVDO BC0 (\$22H) | Rear | 0.788 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 1.221 | 1.019 | 1.184 | No |
| | Front | 0.551 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.773 | 0.649 | 0.759 | No |
| | Left | 0.076 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.452 | 0.436 | 0.518 | No |
| | Right | 0.273 | | | | | | 0.273 | 0.273 | 0.273 | No |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No |
| | Bottom | 0.360 | | | | | | 0.360 | 0.360 | 0.360 | No |
| PCS CDMA | Rear | 0.413 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.846 | 0.644 | 0.809 | No |
| | Front | 0.420 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.642 | 0.518 | 0.628 | No |
| | Left | 0.112 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.488 | 0.472 | 0.554 | No |
| | Right | 0.044 | | | | | | 0.044 | 0.044 | 0.044 | No |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No |
| | Bottom | 1.042 | | | | | | 1.042 | 1.042 | 1.042 | No |
| EVDO BC10 (\$90S) | Rear | 0.735 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 1.168 | 0.966 | 1.131 | No |
| | Front | 0.534 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.756 | 0.632 | 0.742 | No |
| | Left | 0.107 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.483 | 0.467 | 0.549 | No |
| | Right | 0.330 | | | | | | 0.330 | 0.330 | 0.330 | No |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No |
| | Bottom | 0.348 | | | | | | 0.348 | 0.348 | 0.348 | No |
| GPRS 850 | Rear | 0.699 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 1.132 | 0.930 | 1.095 | No |
| | Front | 0.549 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.771 | 0.647 | 0.757 | No |
| | Left | 0.125 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.501 | 0.485 | 0.567 | No |
| | Right | 0.349 | | | | | | 0.349 | 0.349 | 0.349 | No |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No |
| | Bottom | 0.409 | | | | | | 0.409 | 0.409 | 0.409 | No |
| GPRS 1900 | Rear | 0.359 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.792 | 0.590 | 0.755 | No |
| | Front | 0.330 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.552 | 0.428 | 0.538 | No |
| | Left | 0.083 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.459 | 0.443 | 0.525 | No |
| | Right | 0.058 | | | | | | 0.058 | 0.058 | 0.058 | No |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No |
| | Bottom | 0.702 | | | | | | 0.702 | 0.702 | 0.702 | No |
| UMTS 850 | Rear | 0.739 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 1.172 | 0.970 | 1.135 | No |
| | Front | 0.525 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.747 | 0.623 | 0.733 | No |
| | Left | 0.150 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.526 | 0.510 | 0.592 | No |
| | Right | 0.252 | | | | | | 0.252 | 0.252 | 0.252 | No |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No |
| | Bottom | 0.357 | | | | | | 0.357 | 0.357 | 0.357 | No |
| UMTS 1700 | Rear | 0.354 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.787 | 0.585 | 0.750 | No |
| | Front | 0.359 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.581 | 0.457 | 0.567 | No |
| | Left | 0.051 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.427 | 0.411 | 0.493 | No |
| | Right | 0.090 | | | | | | 0.090 | 0.090 | 0.090 | No |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No |
| | Bottom | 0.738 | | | | | | 0.738 | 0.738 | 0.738 | No |
| UMTS 1900 | Rear | 0.319 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.752 | 0.550 | 0.715 | No |
| | Front | 0.312 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.534 | 0.410 | 0.520 | No |
| | Left | 0.065 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.441 | 0.425 | 0.507 | No |
| | Right | 0.052 | | | | | | 0.052 | 0.052 | 0.052 | No |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No |
| | Bottom | 0.777 | | | | | | 0.777 | 0.777 | 0.777 | No |

Simultaneous Transmission Scenario with 2.4 GHz MIMO WLAN & 5 GHz MIMO WLAN (10mm)

| Band | | WWAN SAR | 2.4 GHz WLAN Ant.1 | 2.4 GHz WLAN Ant.2 | 2.4 GHz WLAN MIMO | 5 GHz WLAN Ant.1 | 5 GHz WLAN Ant.2 | ∑ 1-g SAR | ∑ 1-g SAR | ∑ 1-g SAR | SPLSR | |
|-----------------|--------|----------|--------------------|--------------------|-------------------|------------------|------------------|-----------|-----------|-----------|--------|----------|
| | | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (Yes/No) |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 1+2+5+6 | 1+3+5+6 | 1+4+5+6 | | |
| LTE Band 7 | Rear | 0.377 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.81 | 0.608 | 0.773 | No | |
| | Front | 0.425 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.647 | 0.523 | 0.633 | No | |
| | Left | 0.132 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.508 | 0.492 | 0.574 | No | |
| | Right | | | | | | | | | | No | |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No | |
| | Bottom | 0.944 | | | | | | 0.944 | 0.944 | 0.944 | No | |
| LTE Band 12 | Rear | 0.457 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.89 | 0.688 | 0.853 | No | |
| | Front | 0.334 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.556 | 0.432 | 0.542 | No | |
| | Left | 0.105 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.481 | 0.465 | 0.547 | No | |
| | Right | 0.292 | | | | | | 0.292 | 0.292 | 0.292 | No | |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No | |
| | Bottom | 0.367 | | | | | | 0.367 | 0.367 | 0.367 | No | |
| LTE Band 13 | Rear | 0.571 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 1.004 | 0.802 | 0.967 | No | |
| | Front | 0.391 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.613 | 0.489 | 0.599 | No | |
| | Left | 0.165 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.541 | 0.525 | 0.607 | No | |
| | Right | 0.396 | | | | | | 0.396 | 0.396 | 0.396 | No | |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No | |
| | Bottom | 0.385 | | | | | | 0.385 | 0.385 | 0.385 | No | |
| LTE Band 14 | Rear | 0.583 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 1.016 | 0.814 | 0.979 | No | |
| | Front | 0.395 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.617 | 0.493 | 0.603 | No | |
| | Left | 0.192 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.568 | 0.552 | 0.634 | No | |
| | Right | 0.397 | | | | | | 0.397 | 0.397 | 0.397 | No | |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No | |
| | Bottom | 0.400 | | | | | | 0.400 | 0.400 | 0.400 | No | |
| LTE Band 25 | Rear | 0.368 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.801 | 0.599 | 0.764 | No | |
| | Front | 0.306 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.528 | 0.404 | 0.514 | No | |
| | Left | 0.129 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.505 | 0.489 | 0.571 | No | |
| | Right | 0.096 | | | | | | 0.096 | 0.096 | 0.096 | No | |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No | |
| | Bottom | 1.019 | | | | | | 1.019 | 1.019 | 1.019 | No | |
| LTE Band 26 (5) | Rear | 0.822 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 1.255 | 1.053 | 1.218 | No | |
| | Front | 0.510 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.732 | 0.608 | 0.718 | No | |
| | Left | 0.131 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.507 | 0.491 | 0.573 | No | |
| | Right | 0.368 | | | | | | 0.368 | 0.368 | 0.368 | No | |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No | |
| | Bottom | 0.519 | | | | | | 0.519 | 0.519 | 0.519 | No | |
| LTE Band 30 | Rear | 0.480 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.913 | 0.711 | 0.876 | No | |
| | Front | 0.556 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.778 | 0.654 | 0.764 | No | |
| | Left | 0.070 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.446 | 0.43 | 0.512 | No | |
| | Right | | | | | | | | | | No | |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No | |
| | Bottom | 1.075 | | | | | | 1.075 | 1.075 | 1.075 | No | |
| LTE Band 40 Low | Rear | 0.085 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.518 | 0.316 | 0.481 | No | |
| | Front | 0.087 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.309 | 0.185 | 0.295 | No | |
| | Left | 0.013 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.389 | 0.373 | 0.455 | No | |
| | Right | | | | | | | | | | No | |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No | |
| | Bottom | 0.162 | | | | | | 0.162 | 0.162 | 0.162 | No | |

Simultaneous Transmission Scenario with 2.4 GHz MIMO WLAN & 5 GHz MIMO WLAN (10mm)

| Band | | WWAN SAR | 2.4 GHz WLAN Ant.1 RSDB SAR | 2.4 GHz WLAN Ant.2 RSDB SAR | 2.4 GHz WLAN MIMO RSDB SAR | 5 GHz WLAN Ant.1 RSDB SAR | 5 GHz WLAN Ant.2 RSDB SAR | ∑ 1-g SAR | ∑ 1-g SAR | ∑ 1-g SAR | SPLSR |
|-------------------|--------|----------|-----------------------------|-----------------------------|----------------------------|---------------------------|---------------------------|-----------|-----------|-----------|----------|
| | | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (Yes/No) |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 1+2+5+6 | 1+3+5+6 | 1+4+5+6 | |
| LTE Band 40 Upper | Rear | 0.074 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.507 | 0.305 | 0.470 | No |
| | Front | 0.040 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.262 | 0.138 | 0.248 | No |
| | Left | 0.015 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.391 | 0.375 | 0.457 | No |
| | Right | | | | | | | | | | No |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No |
| | Bottom | 0.209 | | | | | | 0.209 | 0.209 | 0.209 | No |
| LTE Band 41 | Rear | 0.231 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.664 | 0.462 | 0.627 | No |
| | Front | 0.294 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.516 | 0.392 | 0.502 | No |
| | Left | 0.076 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.452 | 0.436 | 0.518 | No |
| | Right | | | | | | | | | | No |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No |
| | Bottom | 0.575 | | | | | | 0.575 | 0.575 | 0.575 | No |
| LTE Band 48 | Rear | 0.161 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.594 | 0.392 | 0.557 | No |
| | Front | 0.125 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.347 | 0.223 | 0.333 | No |
| | Left | 0.284 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.660 | 0.644 | 0.726 | No |
| | Right | | | | | | | | | | No |
| | Top | 0.233 | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.815 | 0.368 | 0.661 | No |
| | Bottom | | | | | | | | | | No |
| LTE Band 66 | Rear | 0.422 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.855 | 0.653 | 0.818 | No |
| | Front | 0.404 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.626 | 0.502 | 0.612 | No |
| | Left | 0.081 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.457 | 0.441 | 0.523 | No |
| | Right | 0.086 | | | | | | 0.086 | 0.086 | 0.086 | No |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No |
| | Bottom | 1.009 | | | | | | 1.009 | 1.009 | 1.009 | No |
| LTE Band 71 | Rear | 0.382 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.815 | 0.613 | 0.778 | No |
| | Front | 0.227 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.449 | 0.325 | 0.435 | No |
| | Left | 0.102 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.478 | 0.462 | 0.544 | No |
| | Right | 0.272 | | | | | | 0.272 | 0.272 | 0.272 | No |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No |
| | Bottom | 0.237 | | | | | | 0.237 | 0.237 | 0.237 | No |

| Simultaneous Transmission Scenario with 2.4 GHz MIMO WLAN & 5 GHz MIMO WLAN (10mm) | | | | | | | | | | | |
|--|--------|----------|-----------------------------|-----------------------------|----------------------------|---------------------------|---------------------------|-----------|-----------|-----------|----------|
| Band | | WWAN SAR | 2.4 GHz WLAN Ant.1 RSDB SAR | 2.4 GHz WLAN Ant.2 RSDB SAR | 2.4 GHz WLAN MIMO RSDB SAR | 5 GHz WLAN Ant.1 RSDB SAR | 5 GHz WLAN Ant.2 RSDB SAR | ∑ 1-g SAR | ∑ 1-g SAR | ∑ 1-g SAR | SPLSR |
| | | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (Yes/No) |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 1+2+5+6 | 1+3+5+6 | 1+4+5+6 | |
| NR Band n5 | Rear | 0.488 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.921 | 0.719 | 0.884 | No |
| | Front | 0.388 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.610 | 0.486 | 0.596 | No |
| | Left | 0.065 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.441 | 0.425 | 0.507 | No |
| | Right | 0.263 | | | | | | 0.263 | 0.263 | 0.263 | No |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No |
| | Bottom | 0.307 | | | | | | 0.307 | 0.307 | 0.307 | No |
| NR Band n12 | Rear | 0.563 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.996 | 0.794 | 0.959 | No |
| | Front | 0.487 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.709 | 0.585 | 0.695 | No |
| | Left | 0.250 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.626 | 0.61 | 0.692 | No |
| | Right | 0.307 | | | | | | 0.307 | 0.307 | 0.307 | No |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No |
| | Bottom | 0.444 | | | | | | 0.444 | 0.444 | 0.444 | No |
| NR Band n25 | Rear | 0.321 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.754 | 0.552 | 0.717 | No |
| | Front | 0.309 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.531 | 0.407 | 0.517 | No |
| | Left | 0.052 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.428 | 0.412 | 0.494 | No |
| | Right | 0.044 | | | | | | 0.044 | 0.044 | 0.044 | No |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No |
| | Bottom | 0.925 | | | | | | 0.925 | 0.925 | 0.925 | No |
| NR Band n30 | Rear | 0.394 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.827 | 0.625 | 0.790 | No |
| | Front | 0.378 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.600 | 0.476 | 0.586 | No |
| | Left | 0.079 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.455 | 0.439 | 0.521 | No |
| | Right | | | | | | | | | | No |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No |
| | Bottom | 1.088 | | | | | | 1.088 | 1.088 | 1.088 | No |
| NR Band n41 (PC3) | Rear | 0.414 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.847 | 0.645 | 0.81 | No |
| | Front | 0.404 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.626 | 0.502 | 0.612 | No |
| | Left | 0.234 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.61 | 0.594 | 0.676 | No |
| | Right | | | | | | | | | | No |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No |
| | Bottom | 0.823 | | | | | | 0.823 | 0.823 | 0.823 | No |
| NR Band n41 (PC2) | Rear | 0.322 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.755 | 0.553 | 0.718 | No |
| | Front | 0.330 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.552 | 0.428 | 0.538 | No |
| | Left | 0.200 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.576 | 0.560 | 0.642 | No |
| | Right | | | | | | | | | | No |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No |
| | Bottom | 0.735 | | | | | | 0.735 | 0.735 | 0.735 | No |
| NR Band n66 | Rear | 0.707 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 1.140 | 0.938 | 1.103 | No |
| | Front | 0.631 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.853 | 0.729 | 0.839 | No |
| | Left | 0.080 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.456 | 0.440 | 0.522 | No |
| | Right | 0.112 | | | | | | 0.112 | 0.112 | 0.112 | No |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No |
| | Bottom | 1.031 | | | | | | 1.031 | 1.031 | 1.031 | No |

| Simultaneous Transmission Scenario with 2.4 GHz MIMO WLAN & 5 GHz MIMO WLAN (10mm) | | | | | | | | | | | |
|--|--------|----------|-----------------------------|-----------------------------|----------------------------|---------------------------|---------------------------|----------------|----------------|----------------|----------|
| Band | | WWAN SAR | 2.4 GHz WLAN Ant.1 RSDB SAR | 2.4 GHz WLAN Ant.2 RSDB SAR | 2.4 GHz WLAN MIMO RSDB SAR | 5 GHz WLAN Ant.1 RSDB SAR | 5 GHz WLAN Ant.2 RSDB SAR | \sum 1-g SAR | \sum 1-g SAR | \sum 1-g SAR | SPLSR |
| | | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) | (W/kg) |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 1+2+5+6 | 1+3+5+6 | 1+4+5+6 | (Yes/No) |
| NR Band n71 | Rear | 0.405 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.838 | 0.636 | 0.801 | No |
| | Front | 0.303 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.525 | 0.401 | 0.511 | No |
| | Left | 0.205 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.581 | 0.565 | 0.647 | No |
| | Right | 0.277 | | | | | | 0.277 | 0.277 | 0.277 | No |
| | Top | | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.582 | 0.135 | 0.428 | No |
| | Bottom | 0.246 | | | | | | 0.246 | 0.246 | 0.246 | No |
| NR Band n77 (PC3) | Rear | 0.247 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.68 | 0.478 | 0.643 | No |
| | Front | 0.282 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.504 | 0.38 | 0.49 | No |
| | Left | 0.347 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.723 | 0.707 | 0.789 | No |
| | Right | | | | | | | | | | No |
| | Top | 0.251 | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.833 | 0.386 | 0.679 | No |
| | Bottom | | | | | | | | | | No |
| NR Band n77 (PC2) | Rear | 0.397 | 0.225 | 0.023 | 0.188 | 0.187 | 0.021 | 0.83 | 0.628 | 0.793 | No |
| | Front | 0.283 | 0.146 | 0.022 | 0.132 | 0.057 | 0.019 | 0.505 | 0.381 | 0.491 | No |
| | Left | 0.523 | 0.046 | 0.030 | 0.112 | 0.277 | 0.053 | 0.899 | 0.883 | 0.965 | No |
| | Right | | | | | | | | | | No |
| | Top | 0.320 | 0.455 | 0.008 | 0.301 | 0.115 | 0.012 | 0.902 | 0.455 | 0.748 | No |
| | Bottom | | | | | | | | | | No |

14.4 Phablet SAR Simultaneous Transmission Analysis

| Simultaneous Transmission Scenario with 5G WLAN Phablet | | | | | | | | |
|---|--------|-----------------|------------------------------|------------------------------|-------------------------|-------------------------|-------------------------|----------|
| Band | | WWAN SAR (W/kg) | 5 GHz WLAN Ant 1. SAR (W/kg) | 5 GHz WLAN Ant 2. SAR (W/kg) | Σ 1-g SAR (W/kg) | Σ 1-g SAR (W/kg) | Σ 1-g SAR (W/kg) | SPLSR |
| | | 1 | 2 | 3 | 1+2 | 1+3 | 1+2+3 | (Yes/No) |
| PCS CDMA | Rear | 1.303 | 0.612 | 0.604 | 1.915 | 1.907 | 2.519 | No |
| | Front | 1.515 | 1.010 | 0.307 | 2.525 | 1.822 | 2.832 | No |
| | Left | 0.754 | 2.100 | 0.448 | 2.854 | 1.202 | 3.302 | No |
| | Right | 0.336 | | | 0.336 | 0.336 | 0.336 | No |
| | Top | | 0.723 | 0.071 | 0.723 | 0.071 | 0.794 | No |
| | Bottom | 1.548 | | | 1.548 | 1.548 | 1.548 | No |
| GSM 1900 | Rear | 0.826 | 0.612 | 0.604 | 1.438 | 1.430 | 2.042 | No |
| | Front | 1.095 | 1.010 | 0.307 | 2.105 | 1.402 | 2.412 | No |
| | Left | 0.365 | 2.100 | 0.448 | 2.465 | 0.813 | 2.913 | No |
| | Right | 0.261 | | | 0.261 | 0.261 | 0.261 | No |
| | Top | | 0.723 | 0.071 | 0.723 | 0.071 | 0.794 | No |
| | Bottom | 1.058 | | | 1.058 | 1.058 | 1.058 | No |
| UMTS 1700 | Rear | 1.242 | 0.612 | 0.604 | 1.854 | 1.846 | 2.458 | No |
| | Front | 1.485 | 1.010 | 0.307 | 2.495 | 1.792 | 2.802 | No |
| | Left | 0.825 | 2.100 | 0.448 | 2.925 | 1.273 | 3.373 | No |
| | Right | 0.499 | | | 0.499 | 0.499 | 0.499 | No |
| | Top | | 0.723 | 0.071 | 0.723 | 0.071 | 0.794 | No |
| | Bottom | 1.796 | | | 1.796 | 1.796 | 1.796 | No |
| UMTS 1900 | Rear | 1.093 | 0.612 | 0.604 | 1.705 | 1.697 | 2.309 | No |
| | Front | 1.190 | 1.010 | 0.307 | 2.2 | 1.497 | 2.507 | No |
| | Left | 0.881 | 2.100 | 0.448 | 2.981 | 1.329 | 3.429 | No |
| | Right | 0.443 | | | 0.443 | 0.443 | 0.443 | No |
| | Top | | 0.723 | 0.071 | 0.723 | 0.071 | 0.794 | No |
| | Bottom | 1.608 | | | 1.608 | 1.608 | 1.608 | No |
| LTE Band 7 | Rear | 2.007 | 0.612 | 0.604 | 2.619 | 2.611 | 3.223 | No |
| | Front | 1.598 | 1.010 | 0.307 | 2.608 | 1.905 | 2.915 | No |
| | Left | 0.803 | 2.100 | 0.448 | 2.903 | 1.251 | 3.351 | No |
| | Right | | | | | | | No |
| | Top | | 0.723 | 0.071 | 0.723 | 0.071 | 0.794 | No |
| | Bottom | 0.945 | | | 0.945 | 0.945 | 0.945 | No |
| LTE Band 25 | Rear | 1.663 | 0.612 | 0.604 | 2.275 | 2.267 | 2.879 | No |
| | Front | 1.739 | 1.010 | 0.307 | 2.749 | 2.046 | 3.056 | No |
| | Left | 0.672 | 2.100 | 0.448 | 2.772 | 1.120 | 3.220 | No |
| | Right | 0.400 | | | 0.400 | 0.400 | 0.400 | No |
| | Top | | 0.723 | 0.071 | 0.723 | 0.071 | 0.794 | No |
| | Bottom | 1.842 | | | 1.842 | 1.842 | 1.842 | No |
| LTE Band 30 | Rear | 0.912 | 0.612 | 0.604 | 1.524 | 1.516 | 2.128 | No |
| | Front | 1.559 | 1.010 | 0.307 | 2.569 | 1.866 | 2.876 | No |
| | Left | 0.775 | 2.100 | 0.448 | 2.875 | 1.223 | 3.323 | No |
| | Right | | | | | | | No |
| | Top | | 0.723 | 0.071 | 0.723 | 0.071 | 0.794 | No |
| | Bottom | 1.438 | | | 1.438 | 1.438 | 1.438 | No |

| Simultaneous Transmission Scenario with 5G WLAN Phablet | | | | | | | | |
|---|--------|-----------------|------------------------------|------------------------------|-------------------------|-------------------------|-------------------------|----------|
| Band | | WWAN SAR (W/kg) | 5 GHz WLAN Ant 1. SAR (W/kg) | 5 GHz WLAN Ant 2. SAR (W/kg) | Σ 1-g SAR (W/kg) | Σ 1-g SAR (W/kg) | Σ 1-g SAR (W/kg) | SPLSR |
| | | 1 | 2 | 3 | 1+2 | 1+3 | 1+2+3 | (Yes/No) |
| LTE Band 41 | Rear | 1.546 | 0.612 | 0.604 | 2.158 | 2.15 | 2.762 | No |
| | Front | 1.242 | 1.010 | 0.307 | 2.252 | 1.549 | 2.559 | No |
| | Left | 0.720 | 2.100 | 0.448 | 2.820 | 1.168 | 3.268 | No |
| | Right | | | | | | | No |
| | Top | | 0.723 | 0.071 | 0.723 | 0.071 | 0.794 | No |
| | Bottom | 1.144 | | | 1.144 | 1.144 | 1.144 | No |
| LTE Band 66 | Rear | 1.407 | 0.612 | 0.604 | 2.019 | 2.011 | 2.623 | No |
| | Front | 1.772 | 1.010 | 0.307 | 2.782 | 2.079 | 3.089 | No |
| | Left | 0.389 | 2.100 | 0.448 | 2.489 | 0.837 | 2.937 | No |
| | Right | 0.275 | | | 0.275 | 0.275 | 0.275 | No |
| | Top | | 0.723 | 0.071 | 0.723 | 0.071 | 0.794 | No |
| | Bottom | 2.491 | | | 2.491 | 2.491 | 2.491 | No |
| NR Band n25 | Rear | 0.946 | 0.612 | 0.604 | 1.558 | 1.550 | 2.162 | No |
| | Front | 0.993 | 1.010 | 0.307 | 2.003 | 1.300 | 2.310 | No |
| | Left | 0.216 | 2.100 | 0.448 | 2.316 | 0.664 | 2.764 | No |
| | Right | 0.209 | | | 0.209 | 0.209 | 0.209 | No |
| | Top | | 0.723 | 0.071 | 0.723 | 0.071 | 0.794 | No |
| | Bottom | 0.990 | | | 0.990 | 0.990 | 0.990 | No |
| NR Band n30 | Rear | 0.996 | 0.612 | 0.604 | 1.608 | 1.600 | 2.212 | No |
| | Front | 1.572 | 1.010 | 0.307 | 2.582 | 1.879 | 2.889 | No |
| | Left | 0.924 | 2.100 | 0.448 | 3.024 | 1.372 | 3.472 | No |
| | Right | | | | | | | No |
| | Top | | 0.723 | 0.071 | 0.723 | 0.071 | 0.794 | No |
| | Bottom | 1.572 | | | 1.572 | 1.572 | 1.572 | No |
| NR Band n66 | Rear | 1.273 | 0.612 | 0.604 | 1.885 | 1.877 | 2.489 | No |
| | Front | 1.410 | 1.010 | 0.307 | 2.420 | 1.717 | 2.727 | No |
| | Left | 0.140 | 2.100 | 0.448 | 2.240 | 0.588 | 2.688 | No |
| | Right | | | | | | | No |
| | Top | | 0.723 | 0.071 | 0.723 | 0.071 | 0.794 | No |
| | Bottom | 1.209 | | | 1.209 | 1.209 | 1.209 | No |

14.7 Simultaneous Transmission Conclusion

The above numerical summed SAR Results are sufficient to determine that simultaneous transmission cases will not exceed the SAR Limit and therefore no measured volumetric simultaneous SAR summation is required per FCC KDB Publication 447498 D01v06 and IEEE1528-2013.

15. SAR Measurement Variability and Uncertainty

In accordance with KDB procedure 865664 D01v01r04 SAR measurement 100 MHz to 6 GHz, SAR additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR Measurement variability was assessed using the following procedures for each frequency band:

- 1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg for 1g SAR or < 2.0 W/kg for 10g SAR; steps 2) through 4) do not apply.
- 2) When the original highest measured 1g SAR is ≥ 0.80 W/kg or 10g SAR ≥ 2.0 W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg for 1g SAR or ≥ 3.625 W/kg for 10g SAR (~ 10% from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg for 1g SAR or ≥ 3.75 W/kg for 10g SAR and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.

Hotspot SAR measurement variability Results

| Frequency | | Mode/Band | Configuration | Measured SAR (W/kg) | Repeated SAR (W/kg) | SAR Ratio |
|-----------|---------|-------------|--------------------------|---------------------|---------------------|-----------|
| Mhz | Channel | | | | | |
| 1 908.75 | 1175 | PCS CDMA | Bottom | 0.951 | 0.871 | 1.10 |
| 2 310 | 27710 | LTE Band 30 | Bottom (50RB, 0offset) | 0.821 | 0.798 | 1.03 |
| 2 310 | 462000 | NR Band 30 | Bottom (25RB, 27offset) | 0.942 | 0.940 | 1.00 |
| 1 745 | 349000 | NR Band 66 | Bottom (108RB, 54offset) | 0.827 | 0.783 | 1.06 |

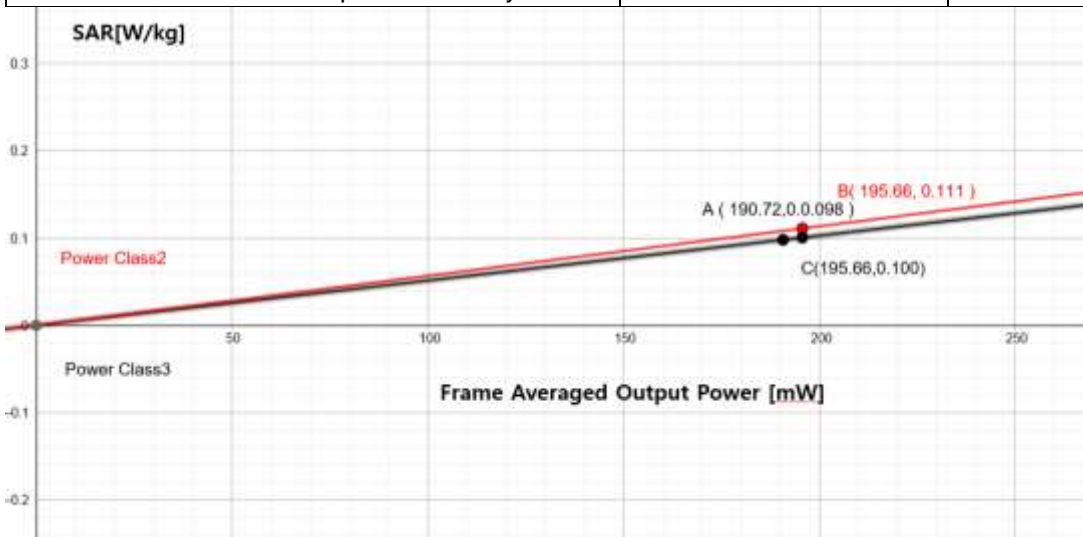
16. LTE Band 41 Power Class 2 and Power class 3 Linearity

This Device Supports Power Class 2 and Power Class 3 operations for LTE band 41. The Highest available duty cycle for Power Class 2 operations is 43.3 % using UL-DL Configuration 1. Per May 2017 TCB Workshop Notes based on the device behavior, all SAR tests were performed using Power class 3. SAR with power class 2 at the highest power and available duty factor was additionally performed for the power class 2 configuration with the Highest SAR for each exposure condition.

The linearity between the power class 3 and Power class 2 SAR Results and the respective frame averaged powers was calculated to determine the results were linear.

Per May 2017 TCB Workshop, no additional SAR measurements were required since the linearity between power classes as less than 10 % and all reported SAR values were < 1.4 W/kg

| LTE Band 41 Head Linearity Data Table | | |
|---------------------------------------|----------------|----------------|
| Configurations | LTE Band41 PC3 | LTE Band41 PC2 |
| Maximum Allowed Output Power[dBm] | 25.5 | 27 |
| Measured Output Power[dBm] | 24.79 | 26.55 |
| Measured SAR[W/kg] | 0.098 | 0.111 |
| Duty Cycle | 301.3 | 451.86 |
| Frame Averaged Output Power[mW] | 63.30% | 43.30% |
| | 0.000513842 | 0.000567311 |
| % deviation from expected linearity | | -9.42 |



| LTE Band 41 Body -Worn Linearity Data Table | | |
|---|----------------|----------------|
| Configurations | LTE Band41 PC3 | LTE Band41 PC2 |
| Maximum Allowed Output Power[dBm] | 25.5 | 27 |
| Measured Output Power[dBm] | 24.79 | 26.55 |
| Measured SAR[W/kg] | 0.256 | 0.269 |
| Duty Cycle | 301.3 | 451.86 |
| Frame Averaged Output Power[mW] | 63.30% | 43.30% |
| | 190.72 | 195.66 |
| % deviation from expected linearity | | -2.37 |



17. Antenna Impedance tuner testing

Per April 2019 TCB Workshop Notes, the following test procedures were followed to demonstrate that the SAR results in Section 11 represented the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR was measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Per FCC Guidance, during NR testing the device was configured with the tuner state selected by the device in LTE mode with auto-tune active at the same frequency. Additional single point SAR time-sweep measurements were evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values. The additional tuner hardware has no influence on the antenna characteristics, other than impedance matching.

To evaluate all the tuner states, the 60 tuner states were divided among the aggregate band, mode and exposure combinations. Single point time-sweep measurements were performed at the peak SAR location determined by the zoom scan of the configuration with the highest reported SAR for each combination. The tuner state was able to be established remotely so that the device was not moved for the entire series of single point SAR for the tuner states in each combination. The SAR probe remained stationary at the same position throughout the entire series of single point measurements for each combination. When the single point SAR or 1g SAR was > 1.2 W/kg for a particular band/mode/exposure condition, point SAR measurements were made for all 60 states.

The operational description contains more information about the design and implementation of the dynamic antenna tuning.

14.1 Head SAR Configuration

| CDMA BC10 | | CDMA BC0 | | CDMA BC1 | | UMTS B5 | |
|------------------------------------|-------------|------------------------------------|-------------|------------------------------------|-------------|------------------------------------|-------------|
| CDMA | | CDMA | | EVDO Rev.A | | RMC | |
| Test Position | Right Cheek | Test Position | Right Cheek | Test Position | Right Cheek | Test Position | Right Cheek |
| Frequency (MHz) | 820 | Frequency (MHz) | 836.52 | Frequency (MHz) | 1880 | Frequency (MHz) | 836.6 |
| Channel | 560 | Channel | 384 | Channel | 600 | Channel | 4183 |
| Measured 1g SAR(W/kg) | 0.212 | Measured 1g SAR(W/kg) | 0.217 | Measured 1g SAR(W/kg) | 0.326 | Measured 1g SAR(W/kg) | 0.194 |
| Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | |
| Auto-tune (State 11) | 0.254 | Auto-tune (State 11) | 0.273 | Auto-tune (State 11) | 0.401 | Auto-tune (State 1) | 0.253 |
| Default (State 0) | 0.248 | Default (State 0) | 0.252 | Default (State 0) | 0.337 | Default (State 0) | 0.24 |
| State 33 | 0.159 | State 52 | 0.147 | State 8 | 0.237 | State 2 | 0.235 |
| State 80 | 0.129 | State 66 | 0.148 | State 24 | 0.129 | State 9 | 0.133 |
| State 86 | 0.005 | State 75 | 0.209 | State 43 | 0.288 | State 66 | 0.073 |
| State 108 | 0.249 | State 99 | 0.057 | State 72 | 0.121 | State 83 | 0.186 |
| State 112 | 0.133 | State 113 | 0.244 | State 88 | 0.322 | State 103 | 0.135 |
| State 119 | 0.141 | State 116 | 0.231 | State 112 | 0.348 | State 119 | 0.204 |

| UMTS B4 | | UMTS B2 | | LTE B71 | | LTE B12 | |
|------------------------------------|------------|------------------------------------|------------|------------------------------------|-------------|------------------------------------|-------------|
| RMC | | RMC | | QPSK, 20 MHz, 1 RB, 0 RB Offset | | QPSK, 10 MHz, 1 RB, 0 RB Offset | |
| Test Position | Left Cheek | Test Position | Left Cheek | Test Position | Right Cheek | Test Position | Right Cheek |
| Frequency (MHz) | 1732.4 | Frequency (MHz) | 1880 | Frequency (MHz) | 680.5 | Frequency (MHz) | 707.5 |
| Channel | 1412 | Channel | 9400 | Channel | 133297 | Channel | 23095 |
| Measured 1g SAR (W/kg) | 0.134 | Measured 1g SAR (W/kg) | 0.153 | Measured 1g SAR (W/kg) | 0.105 | Measured 1g SAR (W/kg) | 0.14 |
| Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | |
| Auto-tune (State 51) | 0.202 | Auto-tune (State 12) | 0.237 | Auto-tune (State 4) | 0.127 | Auto-tune (State 4) | 0.214 |
| Default (State 0) | 0.142 | Default (State 0) | 0.211 | Default (State 0) | 0.123 | Default (State 0) | 0.202 |
| State 4 | 0.179 | State 41 | 0.063 | State 0 | 0.113 | State 5 | 0.214 |
| State 18 | 0.105 | State 69 | 0.148 | State 11 | 0.062 | State 35 | 0.07 |
| State 40 | 0.106 | State 95 | 0.053 | State 14 | 0.121 | State 37 | 0.026 |
| State 63 | 0.108 | State 109 | 0.183 | State 28 | 0.1 | State 54 | 0.156 |
| State 82 | 0.138 | State 114 | 0.233 | State 57 | 0.065 | State 84 | 0.125 |
| State 112 | 0.051 | State 115 | 0.207 | State 70 | 0.078 | State 101 | 0.18 |
| | | | | State 97 | 0.056 | State 118 | 0.213 |

| LTE B13 | | LTE B14 | | LTE B26/5 | | LTE B66/4 | |
|------------------------------------|-------------|------------------------------------|-------------|------------------------------------|-------------|------------------------------------|------------|
| QPSK, 10 MHz, 1 RB, 24 RB Offset | | QPSK, 10 MHz, 1 RB, 0 RB Offset | | QPSK, 15 MHz Bandwidth, 1 RB, 49RB | | QPSK, 20 MHz, 1 RB, 49 RB Offset | |
| Test Position | Right Cheek | Test Position | Right Cheek | Test Position | Right Cheek | Test Position | Left Cheek |
| Frequency (MHz) | 782 | Frequency (MHz) | 793 | Frequency (MHz) | 836.6 | Frequency (MHz) | 1770 |
| Channel | 23230 | Channel | 23330 | Channel | 20525 | Channel | 132572 |
| Measured 1g SAR (W/kg) | 0.166 | Measured 1g SAR (W/kg) | 0.191 | Measured 1g SAR (W/kg) | 0.233 | Measured 1g SAR (W/kg) | 0.193 |
| Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | |
| Auto-tune (State 4) | 0.214 | Auto-tune (State 4) | 0.242 | Auto-tune (State 4) | 0.308 | Auto-tune (State 51) | 0.28 |
| Default (State 0) | 0.133 | Default (State 0) | 0.235 | Default (State 0) | 0.249 | Default (State 0) | 0.188 |
| State 0 | 0.165 | State 12 | 0.039 | State 19 | 0.224 | State 3 | 0.192 |
| State 32 | 0.085 | State 15 | 0.234 | State 30 | 0.108 | State 7 | 0.151 |
| State 43 | 0.161 | State 21 | 0.139 | State 38 | 0.021 | State 16 | 0.105 |
| State 48 | 0.025 | State 44 | 0.14 | State 62 | 0.143 | State 34 | 0.142 |
| State 77 | 0.051 | State 66 | 0.13 | State 82 | 0.153 | State 37 | 0.125 |
| State 93 | 0.16 | State 106 | 0.241 | State 94 | 0.184 | State 49 | 0.256 |
| State 113 | 0.127 | State 112 | 0.233 | State 112 | 0.218 | State 109 | 0.114 |

| LTE B25/2 | | NR Band n12 | | NR Band n71 | | NR Band n5 | |
|------------------------------------|------------|------------------------------------|-------------|------------------------------------|-------------|--|-------------|
| QPSK, 20 MHz, 1 RB, 0 R B Offset | | DFT-s-OFDM QPSK, 20 MHz, 1 RB, 1 | | DFT-s-OFDM QPSK, 20 MHz, 1 RB, 0 | | DFT-s-OFDM QPSK, 20 MHz, 1 RB, 53 offset | |
| Test Position | Left Cheek | Test Position | Right Cheek | Test Position | Right Cheek | Test Position | Right Cheek |
| Frequency (MHz) | 1882.5 | Frequency (MHz) | 707.5 | Frequency (MHz) | 680.5 | Frequency (MHz) | 836.5 |
| Channel | 26365 | Channel | 141500 | Channel | 136100 | Channel | 167300 |
| Measured 1g SAR (W/kg) | 0.178 | Measured 1g SAR (W/kg) | 0.115 | Measured 1g SAR (W/kg) | 0.085 | Measured 1g SAR (W/kg) | 0.171 |
| Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | |
| Auto-tune (State 115) | 0.281 | Auto-tune (State 1) | 0.141 | Auto-tune (State 1) | 0.101 | Auto-tune (State 4) | 0.232 |
| Default (State 0) | 0.228 | Default (State 0) | 0.134 | Default (State 0) | 0.099 | Default (State 0) | 0.226 |
| State 4 | 0.173 | State 5 | 0.127 | State 7 | 0.087 | State 11 | 0.158 |
| State 11 | 0.134 | State 8 | 0.094 | State 13 | 0.054 | State 21 | 0.16 |
| State 50 | 0.044 | State 14 | 0.107 | State 24 | 0.091 | State 62 | 0.108 |
| State 71 | 0.133 | State 56 | 0.087 | State 48 | 0.079 | State 66 | 0.19 |
| State 100 | 0.052 | State 70 | 0.03 | State 65 | 0.042 | State 81 | 0.111 |
| State 107 | 0.193 | State 87 | 0.038 | State 89 | 0.049 | State 92 | 0.174 |
| State 112 | 0.241 | State 104 | 0.121 | State 107 | 0.096 | State 108 | 0.215 |
| | | State 114 | 0.129 | State 119 | 0.088 | State 116 | 0.129 |

| NR Band n66 | | NR Band n2/25 | | GSM850 | | GSM1900 | |
|---------------------------------------|------------|---|------------|------------------------------------|-------------|------------------------------------|------------|
| DFT-s-OFDM QPSK, 40 MHz, 108RB, 54 RB | | DFT-s-OFDM QPSK, 40 MHz, 108RB, 54RB offset | | GMSK | | GPRS 3Tx | |
| Test Position | Left Cheek | Test Position | Left Cheek | Test Position | Right Cheek | Test Position | Left Cheek |
| Frequency (MHz) | 1745 | Frequency (MHz) | 1882.5 | Frequency (MHz) | 836.6 | Frequency (MHz) | 1880 |
| Channel | 349000 | Channel | 376500 | Channel | 190 | Channel | 661 |
| Measured 1g SAR (W/kg) | 0.098 | Measured 1g SAR (W/kg) | 0.155 | Measured 1g SAR (W/kg) | 0.191 | Measured 1g SAR (W/kg) | 0.149 |
| Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | |
| Auto-tune (State 51) | 0.151 | Auto-tune (State 115) | 0.262 | Auto-tune (State 1) | 0.251 | Auto-tune (State 115) | 0.242 |
| Default (State 0) | 0.137 | Default (State 0) | 0.238 | Default (State 0) | 0.248 | Default (State 0) | 0.211 |
| State 7 | 0.113 | State 9 | 0.205 | State 33 | 0.069 | State 52 | 0.087 |
| State 12 | 0.109 | State 13 | 0.168 | State 80 | 0.139 | State 66 | 0.048 |
| State 27 | 0.167 | State 25 | 0.009 | State 86 | 0.075 | State 75 | 0.069 |
| State 45 | 0.149 | State 47 | 0.204 | State 108 | 0.209 | State 99 | 0.067 |
| State 54 | 0.127 | State 65 | 0.187 | State 112 | 0.083 | State 113 | 0.234 |
| State 66 | 0.102 | State 79 | 0.094 | State 119 | 0.111 | State 116 | 0.221 |
| State 78 | 0.098 | State 103 | 0.003 | | | | |
| State 87 | 0.114 | State 112 | 0.168 | | | | |

14.2 Body SAR Configuration

| GSM850 | | GSM1900 | | CDMA BC10 | | CDMA BC0 | |
|------------------------------------|-----------|------------------------------------|--------|------------------------------------|-----------|------------------------------------|-----------|
| GPRS 2Tx | | GPRS 3Tx | | EVDO Rev.0 | | EVDO Rev.0 | |
| Test Position | Rear Side | Test Position | Bottom | Test Position | Rear Side | Test Position | Rear Side |
| Spacing | 10 mm | Spacing | 10 mm | Spacing | 10 mm | Spacing | 10 mm |
| Frequency (MHz) | 836.6 | Frequency (MHz) | 1880 | Frequency (MHz) | 820 | Frequency (MHz) | 836.52 |
| Channel | 190 | Channel | 661 | Channel | 560 | Channel | 384 |
| Measured 1g SAR (W/kg) | 0.693 | Measured 1g SAR | 0.499 | Measured 1g SAR (W/kg) | 0.577 | Measured 1g SAR | 0.641 |
| Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | |
| Auto-tune (State 111) | 1.19 | Auto-tune (State 115) | 0.871 | Auto-tune (State 111) | 1.02 | Auto-tune (State 111) | 1.12 |
| Default (State 0) | 0.875 | Default (State 0) | 0.812 | Default (State 0) | 0.941 | Default (State 0) | 0.979 |
| State 12 | 0.189 | State 37 | 0.301 | State 23 | 0.263 | State 33 | 0.54 |
| State 28 | 0.738 | State 69 | 0.852 | State 29 | 0.748 | State 66 | 0.921 |
| State 40 | 0.612 | State 70 | 0.686 | State 42 | 0.694 | State 67 | 0.901 |
| State 57 | 0.482 | State 75 | 0.408 | State 58 | 0.564 | State 72 | 0.608 |
| State 99 | 0.188 | State 81 | 0.786 | State 102 | 0.138 | State 79 | 0.878 |
| State 114 | 0.973 | State 108 | 0.775 | State 112 | 0.971 | State 110 | 0.927 |

| UMTS B5 | | LTE B71 | | LTE B12 | | LTE B13 | |
|------------------------------------|-----------|-------------------------------------|-----------|------------------------------------|-----------|-------------------------------------|-----------|
| RMC | | QPSK, 20 MHz Bandwidth, 1 RB, 50 RB | | QPSK, 10 MHz Bandwidth, 1 RB, 0 RB | | QPSK, 10 MHz Bandwidth, 1 RB, 24 RB | |
| Test Position | Rear Side | Test Position | Rear Side | Test Position | Rear Side | Test Position | Rear Side |
| Spacing | 10 mm | Spacing | 10 mm | Spacing | 10 mm | Spacing | 10 mm |
| Frequency (MHz) | 836.6 | Frequency (MHz) | 680.5 | Frequency (MHz) | 707.5 | Frequency (MHz) | 782 |
| Channel | 4183 | Channel | 133297 | Channel | 23095 | Channel | 23230 |
| Measured 1g SAR | 0.609 | Measured 1g SAR | 0.293 | Measured 1g SAR | 0.323 | Measured 1g SAR | 0.394 |
| Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | |
| Auto-tune (State 2) | 1.15 | Auto-tune (State 0) | 0.557 | Auto-tune (State 4) | 0.605 | Auto-tune (State 1) | 0.742 |
| Default (State 0) | 0.94 | Default (State 0) | 0.58 | Default (State 0) | 0.602 | Default (State 0) | 0.672 |
| State 1 | 0.858 | State 3 | 0.492 | State 5 | 0.599 | State 2 | 0.732 |
| State 6 | 0.591 | State 22 | 0.164 | State 13 | 0.599 | State 6 | 0.104 |
| State 17 | 0.828 | State 25 | 0.08 | State 30 | 0.538 | State 50 | 0.176 |
| State 44 | 0.816 | State 61 | 0.191 | State 47 | 0.458 | State 55 | 0.439 |
| State 112 | 1.097 | State 90 | 0.098 | State 65 | 0.309 | State 88 | 0.176 |
| State 117 | 0.897 | State 98 | 0.108 | State 109 | 0.261 | State 106 | 0.74 |

| LTE B14 | | LTE B5 | | LTE B26 | | NR Band n12 | |
|------------------------------------|-----------|--|-----------|------------------------------------|-----------|---|-----------|
| QPSK, 10 MHz Bandwidth, 1 RB, 0 RB | | QPSK, 10 MHz Bandwidth, 1 RB, 49 RB, Up-CA | | QPSK, 15 MHz Bandwidth, 1 RB, 0 RB | | DFT-s-OFDM QPSK, 15 MHz Bandwidth, 1 RB 53RB offset | |
| Test Position | Rear Side | Test Position | Rear Side | Test Position | Rear Side | Test Position | Rear Side |
| Spacing | 10 mm | Spacing | 10 mm | Spacing | 10 mm | Spacing | 10 mm |
| Frequency (MHz) | 793 | Frequency (MHz) | 836.5 | Frequency (MHz) | 831.5 | Frequency (MHz) | 707.5 |
| Channel | 2330 | Channel | 20525 | Channel | 26865 | Channel | 14150 |
| Measured 1g SAR | 0.485 | Measured 1g SAR | 0.653 | Measured 1g SAR | 0.558 | Measured 1g SAR | 0.391 |
| Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | |
| Auto-tune (State 4) | 0.911 | Auto-tune (State 4) | 1.16 | Auto-tune (State 4) | 1.07 | Auto-tune (State 1) | 0.742 |
| Default (State 0) | 0.904 | Default (State 0) | 1.059 | Default (State 0) | 0.943 | Default (State 0) | 0.566 |
| State 2 | 0.867 | State 28 | 0.752 | State 18 | 0.653 | State 4 | 0.426 |
| State 13 | 0.783 | State 34 | 0.421 | State 26 | 0.931 | State 7 | 0.324 |
| State 27 | 0.909 | State 58 | 0.531 | State 36 | 0.111 | State 21 | 0.149 |
| State 51 | 0.062 | State 63 | 0.081 | State 44 | 0.626 | State 28 | 0.369 |
| State 69 | 0.416 | State 66 | 0.771 | State 53 | 0.785 | State 40 | 0.199 |
| State 101 | 0.211 | State 68 | 0.857 | State 75 | 0.062 | State 52 | 0.131 |

| NR Band n71 | | NR Band n5 | |
|---|-----------|--|-----------|
| DFT-s-OFDM QPSK, 20 MHz Bandwidth, 1RB, 1 RB offset | | DFT-s-OFDM QPSK, 20 MHz Bandwidth, 1RB 53RB offset | |
| Test Position | Rear Side | Test Position | Rear Side |
| Spacing | 10 mm | Spacing | 10 mm |
| Frequency (MHz) | 680.5 | Frequency (MHz) | 836.5 |
| Channel | 136100 | Channel | 167300 |
| Measured 1g SAR | 0.311 | Measured 1g SAR | 0.33 |
| Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | |
| Auto-tune (State 1) | 0.594 | Auto-tune (State 4) | 0.573 |
| Default (State 0) | 0.504 | Default (State 0) | 0.536 |
| State 3 | 0.135 | State 5 | 0.063 |
| State 10 | 0.473 | State 15 | 0.565 |
| State 20 | 0.142 | State 24 | 0.094 |
| State 27 | 0.515 | State 29 | 0.551 |
| State 43 | 0.056 | State 38 | 0.056 |
| State 46 | 0.369 | State 66 | 0.567 |

| NR Band n66 | | UMTSB4 | | UMTSB2 | |
|------------------------------------|-----------|------------------------------------|--------|------------------------------------|------------|
| DFT-s-OFDM QPSK, 20 MHz Bandwidth, | | RMC | | RMC | |
| Test Position | Back Side | TestPosition | Bottom | TestPosition | BottomEdge |
| Spacing | 10mm | Spacing | 10mm | Spacing | 10mm |
| Frequency (MHz) | 1745 | Frequency (MHz) | 1732.4 | Frequency (MHz) | 1880 |
| Channel | 349000 | Channel | 1412 | Channel | 9400 |
| Measured 1g SAR | 0.827 | Measured1gSAR | 0.631 | Measured1gSAR | 0.732 |
| Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | |
| Auto-tune (State 51) | 1.47 | Auto-tune(State51) | 1.19 | Auto-tune(State113) | 1.38 |
| Default(State0) | 1.233 | Default(State0) | 1.048 | Default(State0) | 1.238 |
| State0 | 1.218 | State0 | 1.048 | State0 | 1.238 |
| State1 | 1.162 | State1 | 0.932 | State1 | 1.002 |
| State2 | 1.116 | State2 | 0.836 | State2 | 1.026 |
| State3 | 1.162 | State3 | 0.852 | State3 | 0.842 |
| State4 | 1.046 | State4 | 1.006 | State4 | 1.066 |
| State5 | 1.139 | State5 | 0.889 | State5 | 1.029 |
| State6 | 0.997 | State6 | 0.797 | State6 | 0.947 |
| State7 | 0.922 | State7 | 0.752 | State7 | 0.932 |
| State8 | 0.848 | State8 | 0.668 | State8 | 0.748 |
| State9 | 0.799 | State9 | 0.579 | State9 | 0.709 |
| State10 | 0.712 | State10 | 0.492 | State10 | 0.482 |
| State11 | 0.582 | State11 | 0.462 | State11 | 0.522 |
| State12 | 1.17 | State12 | 1.04 | State12 | 1.15 |
| State13 | 1.388 | State13 | 1.098 | State13 | 1.218 |
| State14 | 1.129 | State14 | 1.099 | State14 | 1.189 |
| State15 | 1.313 | State15 | 1.183 | State15 | 1.173 |
| State16 | 1.324 | State16 | 1.004 | State16 | 0.994 |
| State17 | 1.156 | State17 | 1.046 | State17 | 1.166 |
| State18 | 1.156 | State18 | 0.896 | State18 | 0.986 |
| State19 | 1.082 | State19 | 0.782 | State19 | 0.832 |
| State20 | 1.109 | State20 | 0.899 | State20 | 0.909 |

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|---------|-------|---------|-------|---------|-------|
| State21 | 0.875 | State21 | 0.675 | State21 | 0.715 |
| State22 | 0.903 | State22 | 0.603 | State22 | 0.793 |
| State23 | 0.73 | State23 | 0.5 | State23 | 0.55 |
| State24 | 0.655 | State24 | 0.325 | State24 | 0.375 |
| State25 | 1.4 | State25 | 1.08 | State25 | 1.25 |
| State26 | 1.17 | State26 | 1.02 | State26 | 1.15 |
| State27 | 1.43 | State27 | 1.14 | State27 | 1.2 |
| State28 | 1.42 | State28 | 1.15 | State28 | 1.26 |
| State29 | 1.27 | State29 | 1.07 | State29 | 1.1 |
| State30 | 1.149 | State30 | 1.129 | State30 | 1.179 |
| State31 | 1.227 | State31 | 1.057 | State31 | 1.157 |
| State32 | 1.059 | State32 | 0.909 | State32 | 1.059 |
| State33 | 0.837 | State33 | 0.667 | State33 | 0.707 |
| State34 | 0.873 | State34 | 0.703 | State34 | 0.883 |
| State35 | 0.625 | State35 | 0.415 | State35 | 0.485 |
| State36 | 0.611 | State36 | 0.571 | State36 | 0.741 |
| State37 | 0.911 | State37 | 0.691 | State37 | 0.791 |
| State38 | 0.741 | State38 | 0.411 | State38 | 0.521 |
| State39 | 0.684 | State39 | 0.334 | State39 | 0.384 |
| State40 | 0.554 | State40 | 0.294 | State40 | 0.394 |
| State41 | 0.591 | State41 | 0.231 | State41 | 0.381 |
| State42 | 0.471 | State42 | 0.281 | State42 | 0.301 |
| State43 | 0.473 | State43 | 0.303 | State43 | 0.293 |
| State44 | 0.664 | State44 | 0.424 | State44 | 0.464 |
| State45 | 0.566 | State45 | 0.326 | State45 | 0.396 |
| State46 | 0.464 | State46 | 0.134 | State46 | 0.254 |
| State47 | 0.605 | State47 | 0.415 | State47 | 0.445 |
| State48 | 0.554 | State48 | 0.484 | State48 | 0.494 |
| State49 | 0.722 | State49 | 0.422 | State49 | 0.442 |
| State50 | 1.42 | State50 | 1.13 | State50 | 1.21 |
| State51 | 1.47 | State51 | 1.19 | State51 | 1.16 |
| State52 | 1.41 | State52 | 1.15 | State52 | 1.2 |
| State53 | 1.27 | State53 | 1.07 | State53 | 1.14 |
| State54 | 1.25 | State54 | 1.04 | State54 | 1.2 |
| State55 | 1.29 | State55 | 1.07 | State55 | 1.18 |

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|---------|-------|---------|-------|---------|-------|
| State56 | 1.43 | State56 | 1.14 | State56 | 1.25 |
| State57 | 1.205 | State57 | 0.995 | State57 | 1.045 |
| State58 | 1.285 | State58 | 1.015 | State58 | 1.115 |
| State59 | 1.235 | State59 | 1.015 | State59 | 1.085 |
| State60 | 1.153 | State60 | 0.943 | State60 | 1.013 |
| State61 | 0.886 | State61 | 0.676 | State61 | 0.806 |
| State62 | 0.691 | State62 | 0.531 | State62 | 0.541 |
| State63 | 0.924 | State63 | 0.644 | State63 | 0.834 |
| State64 | 0.836 | State64 | 0.616 | State64 | 0.656 |
| State65 | 0.727 | State65 | 0.577 | State65 | 0.757 |
| State66 | 0.993 | State66 | 0.723 | State66 | 0.843 |
| State67 | 0.953 | State67 | 0.633 | State67 | 0.823 |
| State68 | 0.769 | State68 | 0.579 | State68 | 0.769 |
| State69 | 0.454 | State69 | 0.274 | State69 | 0.434 |
| State70 | 0.562 | State70 | 0.362 | State70 | 0.422 |
| State71 | 0.446 | State71 | 0.276 | State71 | 0.446 |
| State72 | 0.481 | State72 | 0.341 | State72 | 0.491 |
| State73 | 0.631 | State73 | 0.321 | State73 | 0.381 |
| State74 | 0.601 | State74 | 0.431 | State74 | 0.561 |
| State75 | 0.645 | State75 | 0.345 | State75 | 0.525 |
| State76 | 1.13 | State76 | 0.89 | State76 | 0.9 |
| State77 | 1.183 | State77 | 0.843 | State77 | 1.013 |
| State78 | 1.177 | State78 | 0.887 | State78 | 1.067 |
| State79 | 1.26 | State79 | 1.08 | State79 | 1.09 |
| State80 | 1.135 | State80 | 0.895 | State80 | 0.975 |
| State81 | 1.004 | State81 | 0.714 | State81 | 0.894 |
| State82 | 1.081 | State82 | 0.871 | State82 | 1.011 |
| State83 | 1.005 | State83 | 0.725 | State83 | 0.735 |
| State84 | 0.705 | State84 | 0.465 | State84 | 0.605 |
| State85 | 0.631 | State85 | 0.391 | State85 | 0.461 |
| State86 | 0.629 | State86 | 0.429 | State86 | 0.569 |
| State87 | 0.625 | State87 | 0.295 | State87 | 0.445 |
| State88 | 0.528 | State88 | 0.368 | State88 | 0.498 |
| State89 | 1.084 | State89 | 0.924 | State89 | 1.074 |
| State90 | 1.164 | State90 | 0.874 | State90 | 0.864 |

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|----------|-------|----------|-------|----------|-------|
| State91 | 1.198 | State91 | 0.908 | State91 | 1.008 |
| State92 | 1.272 | State92 | 0.952 | State92 | 0.962 |
| State93 | 0.989 | State93 | 0.749 | State93 | 0.789 |
| State94 | 1.255 | State94 | 0.965 | State94 | 0.965 |
| State95 | 1.079 | State95 | 0.799 | State95 | 0.879 |
| State96 | 1.106 | State96 | 0.966 | State96 | 1.136 |
| State97 | 1.086 | State97 | 0.866 | State97 | 0.876 |
| State98 | 1.117 | State98 | 0.817 | State98 | 0.947 |
| State99 | 0.7 | State99 | 0.49 | State99 | 0.6 |
| State100 | 0.562 | State100 | 0.432 | State100 | 0.512 |
| State101 | 0.526 | State101 | 0.386 | State101 | 0.546 |
| State102 | 1.157 | State102 | 0.967 | State102 | 1.037 |
| State103 | 1.26 | State103 | 1.07 | State103 | 1.16 |
| State104 | 1.33 | State104 | 1.13 | State104 | 1.26 |
| State105 | 0.874 | State105 | 0.684 | State105 | 0.824 |
| State106 | 1.36 | State106 | 1.18 | State106 | 1.26 |
| State107 | 0.966 | State107 | 0.746 | State107 | 0.766 |
| State108 | 1.105 | State108 | 0.875 | State108 | 0.865 |
| State109 | 1.129 | State109 | 0.889 | State109 | 0.969 |
| State110 | 1.125 | State110 | 0.955 | State110 | 1.105 |
| State111 | 1.219 | State111 | 0.969 | State111 | 1.109 |
| State112 | 1.46 | State112 | 1.18 | State112 | 1.24 |
| State113 | 0.795 | State113 | 0.595 | State113 | 1.38 |
| State114 | 1.21 | State114 | 1.1 | State114 | 1.23 |
| State115 | 0.976 | State115 | 0.736 | State115 | 1.14 |
| State116 | 1.228 | State116 | 1.028 | State116 | 1.038 |
| State117 | 1.137 | State117 | 0.957 | State117 | 0.987 |
| State118 | 0.27 | State118 | 0.24 | State118 | 0.33 |
| State119 | 0.22 | State119 | 0.39 | State119 | 0.42 |

| LTE B66/4 | | LTEB25/2 | | NRBandn2/25 | | CDMA BC1 | |
|--------------------------------------|--------|------------------------------------|------------|---|--------|------------------------------------|---------|
| QPSK, 20 MHz Bandwidth, 50 RB, 25 RB | | QPSK, 20MHzBandwidth, 1RB, 49RB | | CP-OFDM,QPSK, 40MHzBandwidth,1RB, 1 RB offset | | EVDO Rev.0 | |
| Test Position | Bottom | Test Position | BottomEdge | TestPosition | Bottom | Test Position | Bottom |
| Spacing | 10 mm | Spacing | 10mm | Spacing | 10mm | Spacing | 10 mm |
| Frequency (MHz) | 1745 | Frequency (MHz) | 1882.5 | Frequency (MHz) | 1882.5 | Frequency (MHz) | 1908.75 |
| Channel | 132322 | Channel | 26365 | Channel | 376500 | Channel | 1175 |
| Measured 1g SAR | 0.798 | Measured1g SAR | 0.728 | Measured1gSAR | 0.738 | Measured 1g SAR | 0.951 |
| Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | | Average Value of Time Sweep (W/kg) | |
| Auto-tune (State 51) | 1.21 | Auto-tune(State115) | 1.35 | Auto-tune(State115) | 1.37 | Auto-tune (State 115) | 1.75 |
| Default(State0) | 1.16 | Default(State0) | 1.238 | Default(State0) | 1.218 | Default(State0) | 1.248 |
| State0 | 0.888 | State0 | 1.238 | State0 | 1.218 | State0 | 1.248 |
| State1 | 0.872 | State1 | 1.022 | State1 | 1.052 | State1 | 1.102 |
| State2 | 0.886 | State2 | 0.966 | State2 | 0.856 | State2 | 1.086 |
| State3 | 0.932 | State3 | 0.922 | State3 | 0.982 | State3 | 1.262 |
| State4 | 1.006 | State4 | 1.166 | State4 | 1.096 | State4 | 1.086 |
| State5 | 0.829 | State5 | 1.039 | State5 | 1.079 | State5 | 1.169 |
| State6 | 0.787 | State6 | 0.837 | State6 | 0.927 | State6 | 1.027 |
| State7 | 0.652 | State7 | 0.852 | State7 | 0.912 | State7 | 0.772 |
| State8 | 0.548 | State8 | 0.658 | State8 | 0.838 | State8 | 0.868 |
| State9 | 0.679 | State9 | 0.579 | State9 | 0.689 | State9 | 0.829 |
| State10 | 0.632 | State10 | 0.572 | State10 | 0.652 | State10 | 0.712 |
| State11 | 0.352 | State11 | 0.642 | State11 | 0.492 | State11 | 0.542 |
| State12 | 1.09 | State12 | 1.13 | State12 | 1.11 | State12 | 1.21 |
| State13 | 1.078 | State13 | 1.108 | State13 | 1.228 | State13 | 1.248 |
| State14 | 0.989 | State14 | 1.089 | State14 | 1.149 | State14 | 1.129 |
| State15 | 1.173 | State15 | 1.223 | State15 | 1.313 | State15 | 1.253 |
| State16 | 1.134 | State16 | 1.004 | State16 | 1.174 | State16 | 1.274 |
| State17 | 1.026 | State17 | 1.176 | State17 | 1.116 | State17 | 1.206 |
| State18 | 0.926 | State18 | 0.896 | State18 | 0.936 | State18 | 1.006 |

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|---------|-------|---------|-------|---------|-------|---------|-------|
| State19 | 0.822 | State19 | 0.782 | State19 | 0.852 | State19 | 1.042 |
| State20 | 0.799 | State20 | 1.009 | State20 | 1.069 | State20 | 1.079 |
| State21 | 0.785 | State21 | 0.785 | State21 | 0.815 | State21 | 1.015 |
| State22 | 0.743 | State22 | 0.623 | State22 | 0.733 | State22 | 0.993 |
| State23 | 0.48 | State23 | 0.64 | State23 | 0.5 | State23 | 0.73 |
| State24 | 0.435 | State24 | 0.345 | State24 | 0.425 | State24 | 0.595 |
| State25 | 1.21 | State25 | 1.11 | State25 | 1.11 | State25 | 1.38 |
| State26 | 1.07 | State26 | 1.21 | State26 | 1.15 | State26 | 1.18 |
| State27 | 1.181 | State27 | 1.32 | State27 | 1.29 | State27 | 1.51 |
| State28 | 1.13 | State28 | 1.2 | State28 | 1.2 | State28 | 1.42 |
| State29 | 1.09 | State29 | 1.2 | State29 | 1.13 | State29 | 1.31 |
| State30 | 1.009 | State30 | 1.139 | State30 | 1.299 | State30 | 1.339 |
| State31 | 1.037 | State31 | 1.167 | State31 | 1.147 | State31 | 1.227 |
| State32 | 0.879 | State32 | 1.039 | State32 | 0.989 | State32 | 1.019 |
| State33 | 0.697 | State33 | 0.817 | State33 | 0.777 | State33 | 0.987 |
| State34 | 0.833 | State34 | 0.883 | State34 | 0.743 | State34 | 0.873 |
| State35 | 0.535 | State35 | 0.535 | State35 | 0.585 | State35 | 0.775 |
| State36 | 0.551 | State36 | 0.691 | State36 | 0.631 | State36 | 0.601 |
| State37 | 0.681 | State37 | 0.791 | State37 | 0.851 | State37 | 0.841 |
| State38 | 0.441 | State38 | 0.471 | State38 | 0.531 | State38 | 0.741 |
| State39 | 0.394 | State39 | 0.374 | State39 | 0.394 | State39 | 0.604 |
| State40 | 0.424 | State40 | 0.324 | State40 | 0.344 | State40 | 0.554 |
| State41 | 0.311 | State41 | 0.221 | State41 | 0.301 | State41 | 0.551 |
| State42 | 0.391 | State42 | 0.411 | State42 | 0.301 | State42 | 0.561 |
| State43 | 0.193 | State43 | 0.463 | State43 | 0.433 | State43 | 0.403 |
| State44 | 0.474 | State44 | 0.414 | State44 | 0.554 | State44 | 0.634 |
| State45 | 0.426 | State45 | 0.456 | State45 | 0.426 | State45 | 0.556 |
| State46 | 0.194 | State46 | 0.234 | State46 | 0.194 | State46 | 0.334 |
| State47 | 0.435 | State47 | 0.565 | State47 | 0.555 | State47 | 0.545 |
| State48 | 0.374 | State48 | 0.494 | State48 | 0.514 | State48 | 0.674 |
| State49 | 0.412 | State49 | 0.522 | State49 | 0.602 | State49 | 0.702 |
| State50 | 1.132 | State50 | 1.28 | State50 | 1.19 | State50 | 1.4 |
| State51 | 1.21 | State51 | 1.23 | State51 | 1.28 | State51 | 1.36 |
| State52 | 1.12 | State52 | 1.27 | State52 | 1.22 | State52 | 1.37 |
| State53 | 1.04 | State53 | 1.14 | State53 | 1.14 | State53 | 1.36 |

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|---------|-------|---------|-------|---------|-------|---------|-------|
| State54 | 1.09 | State54 | 1.07 | State54 | 1.03 | State54 | 1.29 |
| State55 | 1.01 | State55 | 1.25 | State55 | 1.26 | State55 | 1.25 |
| State56 | 1.06 | State56 | 1.19 | State56 | 1.28 | State56 | 1.34 |
| State57 | 1.045 | State57 | 1.015 | State57 | 1.145 | State57 | 1.275 |
| State58 | 0.915 | State58 | 1.205 | State58 | 1.115 | State58 | 1.285 |
| State59 | 1.015 | State59 | 1.205 | State59 | 1.005 | State59 | 1.125 |
| State60 | 0.843 | State60 | 0.963 | State60 | 0.943 | State60 | 1.133 |
| State61 | 0.696 | State61 | 0.676 | State61 | 0.866 | State61 | 0.906 |
| State62 | 0.391 | State62 | 0.711 | State62 | 0.711 | State62 | 0.641 |
| State63 | 0.564 | State63 | 0.634 | State63 | 0.824 | State63 | 0.774 |
| State64 | 0.716 | State64 | 0.766 | State64 | 0.606 | State64 | 0.866 |
| State65 | 0.667 | State65 | 0.597 | State65 | 0.567 | State65 | 0.837 |
| State66 | 0.753 | State66 | 0.713 | State66 | 0.793 | State66 | 1.023 |
| State67 | 0.693 | State67 | 0.763 | State67 | 0.633 | State67 | 0.873 |
| State68 | 0.559 | State68 | 0.609 | State68 | 0.719 | State68 | 0.809 |
| State69 | 0.314 | State69 | 0.414 | State69 | 0.284 | State69 | 0.514 |
| State70 | 0.372 | State70 | 0.422 | State70 | 0.502 | State70 | 0.642 |
| State71 | 0.206 | State71 | 0.406 | State71 | 0.266 | State71 | 0.486 |
| State72 | 0.281 | State72 | 0.431 | State72 | 0.401 | State72 | 0.441 |
| State73 | 0.461 | State73 | 0.441 | State73 | 0.321 | State73 | 0.561 |
| State74 | 0.421 | State74 | 0.581 | State74 | 0.531 | State74 | 0.671 |
| State75 | 0.395 | State75 | 0.345 | State75 | 0.425 | State75 | 0.595 |
| State76 | 0.94 | State76 | 0.93 | State76 | 0.99 | State76 | 1.08 |
| State77 | 0.903 | State77 | 1.003 | State77 | 0.873 | State77 | 1.223 |
| State78 | 1.007 | State78 | 0.887 | State78 | 1.017 | State78 | 1.097 |
| State79 | 1.02 | State79 | 1.16 | State79 | 1.12 | State79 | 1.27 |
| State80 | 0.855 | State80 | 1.015 | State80 | 0.985 | State80 | 0.985 |
| State81 | 0.834 | State81 | 0.784 | State81 | 0.824 | State81 | 1.004 |
| State82 | 0.891 | State82 | 0.951 | State82 | 0.901 | State82 | 1.011 |
| State83 | 0.895 | State83 | 0.715 | State83 | 0.745 | State83 | 1.045 |
| State84 | 0.555 | State84 | 0.525 | State84 | 0.595 | State84 | 0.755 |
| State85 | 0.351 | State85 | 0.561 | State85 | 0.571 | State85 | 0.581 |
| State86 | 0.379 | State86 | 0.519 | State86 | 0.529 | State86 | 0.499 |
| State87 | 0.255 | State87 | 0.325 | State87 | 0.485 | State87 | 0.485 |
| State88 | 0.408 | State88 | 0.418 | State88 | 0.498 | State88 | 0.568 |

| | | | | | | | |
|----------|-------|----------|-------|----------|-------|----------|-------|
| State89 | 0.834 | State89 | 1.004 | State89 | 0.974 | State89 | 1.104 |
| State90 | 0.964 | State90 | 0.894 | State90 | 0.884 | State90 | 1.014 |
| State91 | 1.058 | State91 | 1.028 | State91 | 1.038 | State91 | 1.228 |
| State92 | 0.972 | State92 | 0.992 | State92 | 1.002 | State92 | 1.152 |
| State93 | 0.879 | State93 | 0.939 | State93 | 0.869 | State93 | 1.119 |
| State94 | 0.935 | State94 | 1.055 | State94 | 1.075 | State94 | 1.315 |
| State95 | 0.729 | State95 | 0.919 | State95 | 0.939 | State95 | 0.969 |
| State96 | 0.876 | State96 | 0.996 | State96 | 1.106 | State96 | 1.196 |
| State97 | 0.836 | State97 | 0.976 | State97 | 1.056 | State97 | 1.156 |
| State98 | 0.847 | State98 | 0.827 | State98 | 1.007 | State98 | 0.977 |
| State99 | 0.62 | State99 | 0.5 | State99 | 0.61 | State99 | 0.71 |
| State100 | 0.382 | State100 | 0.492 | State100 | 0.552 | State100 | 0.692 |
| State101 | 0.506 | State101 | 0.456 | State101 | 0.546 | State101 | 0.616 |
| State102 | 0.827 | State102 | 1.087 | State102 | 1.067 | State102 | 1.217 |
| State103 | 1.09 | State103 | 1.07 | State103 | 1.23 | State103 | 1.23 |
| State104 | 1.05 | State104 | 1.18 | State104 | 1.3 | State104 | 1.35 |
| State105 | 0.794 | State105 | 0.684 | State105 | 0.824 | State105 | 0.924 |
| State106 | 1.09 | State106 | 1.14 | State106 | 1.26 | State106 | 1.29 |
| State107 | 0.756 | State107 | 0.916 | State107 | 0.916 | State107 | 0.836 |
| State108 | 0.875 | State108 | 0.995 | State108 | 0.995 | State108 | 1.135 |
| State109 | 0.989 | State109 | 0.989 | State109 | 0.909 | State109 | 1.159 |
| State110 | 0.835 | State110 | 1.075 | State110 | 1.045 | State110 | 1.025 |
| State111 | 1.029 | State111 | 1.049 | State111 | 1.049 | State111 | 1.269 |
| State112 | 1.023 | State112 | 1.3 | State112 | 1.27 | State112 | 1.45 |
| State113 | 0.575 | State113 | 1.23 | State113 | 1.07 | State113 | 1.01 |
| State114 | 1.07 | State114 | 1.29 | State114 | 1.15 | State114 | 1.41 |
| State115 | 0.696 | State115 | 1.35 | State115 | 1.37 | State115 | 1.75 |
| State116 | 0.998 | State116 | 1.138 | State116 | 1.028 | State116 | 1.368 |
| State117 | 0.877 | State117 | 0.977 | State117 | 1.047 | State117 | 1.257 |
| State118 | 0.02 | State118 | 0.23 | State118 | 0.27 | State118 | 0.3 |
| State119 | 0.05 | State119 | 0.47 | State119 | 0.52 | State119 | 0.25 |

18. Measurement Uncertainty

The measured SAR was <1.5 W/Kg for 1g SAR and <3.75 W/Kg For 10g SAR for all frequency bands. Therefore, per KDB Publication 865664 D01v01r04, the extended measurement uncertainty analysis per IEEE1528-2013 was not required.

19. SAR Test Equipment

| Manufacturer | Type / Model | S/N | Calib. Date | Calib.Interval | Calib.Due |
|--------------|--------------------------|--------------------|-------------|----------------|------------|
| SPEAG | SAM Phantom | - | N/A | N/A | N/A |
| HP | SAR System Control PC | - | N/A | N/A | N/A |
| Staubli 1-1 | CS8Cspeag-TX90 | F01/ 5K08A1/ C/ 01 | N/A | N/A | N/A |
| Staubli 3 | CS8Cspeag-TX90 | F12/ 5K9GA1/ C/ 01 | N/A | N/A | N/A |
| Staubli 4 | CS8Cspeag-TX90 | F17/ 59CHA1/ C/ 01 | N/A | N/A | N/A |
| Staubli 5 | CS8Cspeag-TX90 | F17/ 59RAA1/ C/ 0 | N/A | N/A | N/A |
| Staubli 6 | CS8Cspeag-TX90 | F13/ 5R4XF1/ C/ 01 | N/A | N/A | N/A |
| Staubli | TX90 XLspeag | F01/ 5K08A1/ A/ 01 | N/A | N/A | N/A |
| Staubli | TX90 XLspeag | F12/ 5K9GA1/ A/ 01 | N/A | N/A | N/A |
| Staubli | TX90 XLspeag | F17/ 59CHA1/ A/ 01 | N/A | N/A | N/A |
| Staubli | TX90 XLspeag | F17/ 59RAA1/ A/ 01 | N/A | N/A | N/A |
| Staubli | TX90 XLspeag | F13/ 5R4XF1/ A/ 01 | N/A | N/A | N/A |
| Staubli | Teach Pendant (Joystick) | 01.13P 00679 | N/A | N/A | N/A |
| Staubli | Teach Pendant (Joystick) | S-1206 0513 | N/A | N/A | N/A |
| Staubli | Teach Pendant (Joystick) | 010963 | N/A | N/A | N/A |
| Staubli | Teach Pendant (Joystick) | 011578 | N/A | N/A | N/A |
| Staubli | Teach Pendant (Joystick) | S-1338 1332 | N/A | N/A | N/A |
| SPEAG | DAE4 | 868 | 09/29/2020 | Annual | 09/29/2021 |
| SPEAG | DAE4 | 504 | 02/19/2021 | Annual | 02/19/2022 |
| SPEAG | DAE4 | 1225 | 08/07/2020 | Annual | 08/07/2021 |
| SPEAG | DAE4 | 446 | 07/29/2020 | Annual | 07/29/2021 |
| SPEAG | DAE4 | 466 | 04/23/2021 | Annual | 04/23/2022 |
| SPEAG | DAE4 | 648 | 05/25/2020 | Annual | 05/25/2021 |
| SPEAG | DAE4 | 1629 | 08/11/2020 | Annual | 08/11/2021 |
| SPEAG | E-Field Probe EX3DV4 | 7622 | 11/06/2020 | Annual | 11/06/2021 |
| SPEAG | E-Field Probe EX3DV4 | 3797 | 11/25/2020 | Annual | 11/25/2021 |
| SPEAG | E-Field Probe EX3DV4 | 3903 | 03/24/2021 | Annual | 03/24/2022 |
| SPEAG | E-Field Probe EX3DV4 | 7352 | 10/28/2020 | Annual | 10/28/2021 |
| SPEAG | E-Field Probe EX3DV4 | 3968 | 09/28/2020 | Annual | 09/28/2021 |
| SPEAG | E-Field Probe ES3DV4 | 3076 | 07/31/2020 | Annual | 07/31/2021 |
| SPEAG | Dipole D750V3 | 1014 | 05/19/2020 | Annual | 05/19/2021 |
| SPEAG | Dipole D835V2 | 4d266 | 08/27/2020 | Annual | 08/27/2021 |
| SPEAG | Dipole D1800V2 | 2d007 | 08/26/2020 | Annual | 08/26/2021 |
| SPEAG | Dipole D1900V2 | 5d032 | 01/28/2021 | Annual | 01/28/2022 |
| SPEAG | Dipole D2300V2 | 1010 | 08/26/2020 | Annual | 08/26/2021 |
| SPEAG | Dipole D2450V2 | 1049 | 08/26/2020 | Annual | 08/26/2021 |
| SPEAG | Dipole D2600V2 | 1015 | 08/26/2020 | Annual | 08/26/2021 |
| SPEAG | Dipole D3500V2 | 1040 | 02/17/2021 | Annual | 02/17/2022 |
| SPEAG | Dipole D3700V2 | 1066 | 11/19/2020 | Annual | 11/19/2021 |
| SPEAG | Dipole D3900V2 | 1019 | 05/22/2020 | Annual | 05/22/2021 |
| SPEAG | Dipole D5GHzV2 | 1253 | 08/31/2020 | Annual | 08/31/2021 |

| Manufacturer | Type / Model | S/N | Calib. Date | Calib.Interval | Calib.Due |
|---------------|--|-------------|-------------|----------------|------------|
| Agilent | Power Meter E4419B | MY41291386 | 10/23/2020 | Annual | 10/23/2021 |
| Agilent | Power Meter N1911A | MY45101406 | 08/31/2020 | Annual | 08/31/2021 |
| Agilent | Power Sensor 8481A | SG1091286 | 10/05/2020 | Annual | 10/05/2021 |
| Agilent | Power Sensor 8481A | MY41090873 | 10/05/2020 | Annual | 10/05/2021 |
| Agilent | Power Sensor N1921A | MY55220026 | 08/31/2020 | Annual | 08/31/2021 |
| Agilent | Power Divider | 11636B | 02/26/2021 | Annual | 02/26/2022 |
| SPEAG | DAKS 3.5 | 1038 | 03/17/2021 | Annual | 03/17/2022 |
| ROHDE&SCHWARZ | Signal Generator | SMB100A | 07/13/2020 | Annual | 07/13/2021 |
| H.P | Network Analyzer /8753ES | JP39240221 | 01/11/2021 | Annual | 01/11/2022 |
| Agilent | WIRELESS COMMUNICATION E5515C | MY48361100 | 10/06/2020 | Annual | 10/06/2021 |
| Agilent | WIRELESS COMMUNICATION E5515C | MY48360252 | 08/06/2020 | Annual | 08/06/2021 |
| Agilent | WIRELESS COMMUNICATION E5515C | GB44051865 | 06/01/2020 | Annual | 06/01/2021 |
| Agilent | Signal Generator N5182A | MY47070230 | 01/26/2021 | Annual | 01/26/2022 |
| TESTO | 175-H1/Thermometer | 40331936309 | 01/26/2021 | Annual | 01/26/2022 |
| TESTO | 175-H1/Thermometer | 40331953309 | 01/26/2021 | Annual | 01/26/2022 |
| TESTO | 175-H1/Thermometer | 40331915309 | 01/26/2021 | Annual | 01/26/2022 |
| TESTO | 175-H1/Thermometer | 40331922309 | 01/26/2021 | Annual | 01/26/2022 |
| TESTO | 175-H1/Thermometer | 40332651310 | 01/26/2021 | Annual | 01/26/2022 |
| EMPOWER | RF Power Amplifier | 1084 | 07/01/2020 | Annual | 07/01/2021 |
| EMPOWER | RF Power Amplifier | 1011 | 07/30/2020 | Annual | 07/30/2021 |
| MICRO LAB | LP Filter / LA-15N | 10453 | 10/05/2020 | Annual | 10/05/2021 |
| MICRO LAB | LP Filter / LA-30N | - | 10/05/2020 | Annual | 10/05/2021 |
| MICRO LAB | LP Filter / LA-60N | 32011 | 10/05/2020 | Annual | 10/05/2021 |
| Agilent | Attenuator (3dB) 8693B | MY39260298 | 09/18/2020 | Annual | 09/18/2021 |
| HP | Attenuator (20dB) 8493C | 09271 | 09/18/2020 | Annual | 09/18/2021 |
| Agilent | Directional Bridge | 3140A03878 | 06/08/2020 | Annual | 06/08/2021 |
| OSI | Power Divider | 12 | 07/15/2020 | | 07/15/2021 |
| OSI | Power Divider | 9 | 07/15/2020 | Annual | 07/15/2021 |
| OSI | Power Divider | 10 | 07/15/2020 | Annual | 07/15/2021 |
| OSI | Power Divider | 8 | 07/15/2020 | Annual | 07/15/2021 |
| OSI | Power Divider | 11 | 07/15/2020 | Annual | 07/15/2021 |
| Agilent | MXA Signal Analyzer N9020A | MY50510407 | 10/23/2020 | Annual | 10/23/2021 |
| HP | Dual Directional Coupler | 16072 | 10/05/2020 | Annual | 10/05/2021 |
| Anritsu | Radio Communication Test Station MT8000A | 6262036812 | 12/22/2020 | Annual | 12/22/2021 |
| Anritsu | Radio Communication Test Station MT8000A | 6261949673 | 11/09/2020 | Annual | 11/09/2021 |
| Anritsu | Radio Communication Tester MT8820C | 6201074225 | 02/26/2021 | Annual | 02/26/2022 |
| Anritsu | Radio Communication Tester MT8820C | 6200695605 | 04/15/2021 | Annual | 04/15/2022 |
| Anritsu | Radio Communication Tester MT8820C | 6200628628 | 09/18/2020 | Annual | 09/18/2021 |
| Anritsu | Radio Communication Tester MT8821C | 6262192348 | 11/09/2020 | Annual | 11/09/2021 |
| Anritsu | Radio Communication Tester MT8821C | 6262116770 | 07/22/2020 | Annual | 07/22/2021 |
| Anritsu | Radio Communication Tester MT8821C | 6201502997 | 08/06/2020 | Annual | 08/06/2021 |
| Anritsu | Radio Communication Tester MT8821C | 6262044720 | 12/22/2020 | Annual | 12/22/2021 |
| ROHDE&SCHWARZ | BLUETOOTH TESTER CBT | 100272 | 02/26/2021 | Annual | 02/26/2022 |

* The E-field probe was calibrated by SPEAG, by the waveguide technique procedure. Dipole Verification measurement is performed by HCT Lab. before each test. The brain/body simulating material is calibrated by HCT using the DAKS 3.5 to determine the conductivity and permittivity (dielectric constant) of the brain/body-equivalent material.

20. Conclusion

The SAR measurement indicates that the EUT complies with the RF radiation exposure limits of the ANSI/ IEEE C95.1 - 2005.

These measurements were taken to simulate the RF effects exposure under worst-case conditions. Precise laboratory measures were taken to assure repeatability of the tests. The results and statements relate only to the item(s) tested.

Please note that the absorption and distribution of electromagnetic energy in the body are very complex phenomena that depend on the mass, shape, and size of the body, the orientation of the body with respect to the field vectors, and the electrical properties of both the body and the environment. Other variables that may play a substantial role in possible biological effects are those that characterize the environment (e.g. ambient temperature, air velocity, relative humidity, and body insulation) and those that characterize the individual (e.g. age, gender, activity level, debilitation, or disease). Because various factors may interact with one another to vary the specific biological outcome of an exposure to electromagnetic fields, any protection guide should consider maximal amplification of biological effects as a result of field-body interactions, environmental conditions, and physiological variables.

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[26] SAR Evaluation of Handsets with Multiple Transmitters and Antennas KDB 648474 D03, D04.

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[28] SAR Measurement and Reporting Requirements for 100 MHz – 6 GHz, KDB 865664 D01, D02.

[29] FCC General RF Exposure Guidance and SAR procedures for Dongles, KDB 447498 D01, D02.

Appendix A. DUT Ant. Information & SETUP PHOTO

Please refer to test DUT Ant. Information & setup photo file no. as follows:

| Report No. |
|---------------------|
| HCT-SR-2105-FC007-P |