

|      |        |       |       |         |       |       |          |          |
|------|--------|-------|-------|---------|-------|-------|----------|----------|
| NTNV | Band41 | 5MHz  | 40690 | 1RB#12  | 21.61 | 20.59 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 5MHz  | 40690 | 1RB#24  | 21.68 | 20.61 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 5MHz  | 40690 | 12RB#0  | 21.54 | 21.68 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 5MHz  | 40690 | 12RB#6  | 22.41 | 21.47 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 5MHz  | 40690 | 12RB#13 | 22.25 | 21.36 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 5MHz  | 40690 | 25RB#0  | 22.32 | 20.45 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 5MHz  | 41115 | 1RB#0   | 21.49 | 20.43 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 5MHz  | 41115 | 1RB#12  | 21.41 | 20.35 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 5MHz  | 41115 | 1RB#24  | 21.42 | 20.42 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 5MHz  | 41115 | 12RB#0  | 21.41 | 21.85 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 5MHz  | 41115 | 12RB#6  | 22.69 | 22.38 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 5MHz  | 41115 | 12RB#13 | 22.78 | 22.12 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 5MHz  | 41115 | 25RB#0  | 22.68 | 20.76 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 10MHz | 40390 | 1RB#0   | 22.61 | 21.84 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 10MHz | 40390 | 1RB#24  | 22.77 | 21.68 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 10MHz | 40390 | 1RB#49  | 22.55 | 21.73 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 10MHz | 40390 | 25RB#0  | 21.74 | 20.68 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 10MHz | 40390 | 25RB#12 | 21.65 | 20.72 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 10MHz | 40390 | 25RB#25 | 21.65 | 20.68 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 10MHz | 40390 | 50RB#0  | 21.65 | 20.68 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 10MHz | 40690 | 1RB#0   | 22.41 | 21.70 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 10MHz | 40690 | 1RB#24  | 22.50 | 21.77 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 10MHz | 40690 | 1RB#49  | 22.31 | 21.61 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 10MHz | 40690 | 25RB#0  | 21.61 | 20.59 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 10MHz | 40690 | 25RB#12 | 21.61 | 20.60 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 10MHz | 40690 | 25RB#25 | 21.48 | 20.55 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 10MHz | 40690 | 50RB#0  | 21.53 | 20.59 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 10MHz | 41090 | 1RB#0   | 22.79 | 21.86 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 10MHz | 41090 | 1RB#24  | 22.92 | 21.83 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 10MHz | 41090 | 1RB#49  | 22.77 | 21.73 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 10MHz | 41090 | 25RB#0  | 21.94 | 20.91 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 10MHz | 41090 | 25RB#12 | 21.86 | 20.92 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 10MHz | 41090 | 25RB#25 | 21.83 | 20.80 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 10MHz | 41090 | 50RB#0  | 21.80 | 20.88 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 15MHz | 40415 | 1RB#0   | 22.60 | 21.76 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 15MHz | 40415 | 1RB#38  | 22.63 | 21.56 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 15MHz | 40415 | 1RB#74  | 22.48 | 21.64 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 15MHz | 40415 | 38RB#0  | 21.66 | 21.65 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 15MHz | 40415 | 38RB#18 | 21.65 | 21.65 | 22.0±1.0 | 21.0±1.0 |



|      |        |       |       |         |              |       |          |          |
|------|--------|-------|-------|---------|--------------|-------|----------|----------|
| NTNV | Band41 | 15MHz | 40415 | 38RB#37 | 21.65        | 21.65 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 15MHz | 40415 | 75RB#0  | 21.65        | 20.70 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 15MHz | 40690 | 1RB#0   | 22.46        | 21.45 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 15MHz | 40690 | 1RB#38  | 22.49        | 21.31 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 15MHz | 40690 | 1RB#74  | 22.33        | 21.31 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 15MHz | 40690 | 38RB#0  | 21.49        | 21.49 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 15MHz | 40690 | 38RB#18 | 21.49        | 21.48 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 15MHz | 40690 | 38RB#37 | 21.48        | 21.49 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 15MHz | 40690 | 75RB#0  | 21.48        | 20.53 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 15MHz | 41065 | 1RB#0   | 22.76        | 21.83 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 15MHz | 41065 | 1RB#38  | 22.96        | 21.87 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 15MHz | 41065 | 1RB#74  | 22.84        | 21.75 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 15MHz | 41065 | 38RB#0  | 21.80        | 21.81 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 15MHz | 41065 | 38RB#18 | 21.81        | 21.81 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 15MHz | 41065 | 38RB#37 | 21.81        | 21.81 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 15MHz | 41065 | 75RB#0  | 21.81        | 20.83 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band41 | 20MHz | 40440 | 1RB#0   | 22.53        | 21.64 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band41 | 20MHz | 40440 | 1RB#49  | 22.66        | 21.94 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band41 | 20MHz | 40440 | 1RB#99  | 22.42        | 21.35 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band41 | 20MHz | 40440 | 50RB#0  | 21.78        | 20.70 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band41 | 20MHz | 40440 | 50RB#25 | 21.78        | 20.73 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band41 | 20MHz | 40440 | 50RB#50 | 21.71        | 20.72 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band41 | 20MHz | 40440 | 100RB#0 | 21.70        | 20.75 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band41 | 20MHz | 40690 | 1RB#0   | 22.53        | 21.51 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band41 | 20MHz | 40690 | 1RB#49  | 22.65        | 21.77 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band41 | 20MHz | 40690 | 1RB#99  | 22.33        | 21.34 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band41 | 20MHz | 40690 | 50RB#0  | 21.58        | 20.64 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band41 | 20MHz | 40690 | 50RB#25 | 21.58        | 20.65 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band41 | 20MHz | 40690 | 50RB#50 | 21.61        | 20.53 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band41 | 20MHz | 40690 | 100RB#0 | 21.51        | 20.56 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band41 | 20MHz | 41040 | 1RB#0   | 22.75        | 21.83 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band41 | 20MHz | 41040 | 1RB#49  | <b>23.01</b> | 22.09 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band41 | 20MHz | 41040 | 1RB#99  | 22.90        | 22.02 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band41 | 20MHz | 41040 | 50RB#0  | 21.96        | 20.94 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band41 | 20MHz | 41040 | 50RB#25 | 21.88        | 20.89 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band41 | 20MHz | 41040 | 50RB#50 | 21.96        | 20.90 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band41 | 20MHz | 41040 | 100RB#0 | 21.87        | 20.82 | 22.5±1.0 | 21.5±1.0 |



| Condition | Band   | Channel Bandwidth | Channel | RB Configure | Result (dBm) |       | Tune-Up  |          |
|-----------|--------|-------------------|---------|--------------|--------------|-------|----------|----------|
|           |        |                   |         |              | QPSK         | 16QAM | QPSK     | 16QAM    |
| NTNV      | Band66 | 1.4MHz            | 131979  | 1RB#0        | 22.76        | 21.93 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 1.4MHz            | 131979  | 1RB#2        | 23.06        | 22.14 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 1.4MHz            | 131979  | 1RB#5        | 22.79        | 21.91 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 1.4MHz            | 131979  | 3RB#0        | 22.90        | 21.77 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 1.4MHz            | 131979  | 3RB#1        | 22.79        | 21.63 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 1.4MHz            | 131979  | 3RB#3        | 22.87        | 21.79 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 1.4MHz            | 131979  | 6RB#0        | 21.88        | 20.78 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 1.4MHz            | 132322  | 1RB#0        | 22.96        | 21.39 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 1.4MHz            | 132322  | 1RB#2        | 22.63        | 21.51 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 1.4MHz            | 132322  | 1RB#5        | 22.49        | 21.35 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 1.4MHz            | 132322  | 3RB#0        | 22.54        | 21.41 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 1.4MHz            | 132322  | 3RB#1        | 22.54        | 21.37 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 1.4MHz            | 132322  | 3RB#3        | 22.59        | 21.38 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 1.4MHz            | 132322  | 6RB#0        | 21.51        | 20.79 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 1.4MHz            | 132665  | 1RB#0        | 22.40        | 21.07 | 22.0±1.0 | 21.0±1.0 |
| NTNV      | Band66 | 1.4MHz            | 132665  | 1RB#2        | 22.05        | 21.24 | 22.0±1.0 | 21.0±1.0 |
| NTNV      | Band66 | 1.4MHz            | 132665  | 1RB#5        | 21.89        | 21.04 | 22.0±1.0 | 21.0±1.0 |
| NTNV      | Band66 | 1.4MHz            | 132665  | 3RB#0        | 22.04        | 20.93 | 22.0±1.0 | 21.0±1.0 |
| NTNV      | Band66 | 1.4MHz            | 132665  | 3RB#1        | 22.03        | 20.94 | 22.0±1.0 | 21.0±1.0 |
| NTNV      | Band66 | 1.4MHz            | 132665  | 3RB#3        | 21.98        | 20.91 | 22.0±1.0 | 21.0±1.0 |
| NTNV      | Band66 | 1.4MHz            | 132665  | 6RB#0        | 21.01        | 19.96 | 22.0±1.0 | 21.0±1.0 |
| NTNV      | Band66 | 3MHz              | 131987  | 1RB#0        | 22.47        | 21.75 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 3MHz              | 131987  | 1RB#8        | 22.59        | 21.62 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 3MHz              | 131987  | 1RB#14       | 22.59        | 21.91 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 3MHz              | 131987  | 8RB#0        | 21.96        | 20.98 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 3MHz              | 131987  | 8RB#4        | 21.94        | 20.99 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 3MHz              | 131987  | 8RB#7        | 21.98        | 21.01 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 3MHz              | 131987  | 15RB#0       | 21.93        | 20.99 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 3MHz              | 132322  | 1RB#0        | 23.05        | 22.16 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 3MHz              | 132322  | 1RB#8        | 22.86        | 21.83 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 3MHz              | 132322  | 1RB#14       | 22.94        | 21.99 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 3MHz              | 132322  | 8RB#0        | 22.13        | 20.93 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 3MHz              | 132322  | 8RB#4        | 21.99        | 20.97 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 3MHz              | 132322  | 8RB#7        | 22.10        | 21.11 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 3MHz              | 132322  | 15RB#0       | 22.09        | 20.93 | 22.5±1.0 | 21.5±1.0 |
| NTNV      | Band66 | 3MHz              | 132657  | 1RB#0        | 22.62        | 21.05 | 22.0±1.0 | 21.0±1.0 |



|      |        |       |        |         |       |       |          |          |
|------|--------|-------|--------|---------|-------|-------|----------|----------|
| NTNV | Band66 | 3MHz  | 132657 | 1RB#8   | 22.13 | 21.03 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 3MHz  | 132657 | 1RB#14  | 22.10 | 21.02 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 3MHz  | 132657 | 8RB#0   | 21.19 | 20.10 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 3MHz  | 132657 | 8RB#4   | 21.17 | 20.12 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 3MHz  | 132657 | 8RB#7   | 21.11 | 20.10 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 3MHz  | 132657 | 15RB#0  | 21.12 | 20.00 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 5MHz  | 131997 | 1RB#0   | 22.59 | 21.84 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 5MHz  | 131997 | 1RB#12  | 22.93 | 21.92 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 5MHz  | 131997 | 1RB#24  | 22.82 | 21.72 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 5MHz  | 131997 | 12RB#0  | 21.83 | 20.74 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 5MHz  | 131997 | 12RB#6  | 21.84 | 20.77 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 5MHz  | 131997 | 12RB#13 | 21.89 | 20.88 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 5MHz  | 131997 | 25RB#0  | 21.83 | 20.84 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 5MHz  | 132322 | 1RB#0   | 22.96 | 22.19 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 5MHz  | 132322 | 1RB#12  | 22.89 | 22.20 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 5MHz  | 132322 | 1RB#24  | 22.92 | 22.14 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 5MHz  | 132322 | 12RB#0  | 21.97 | 21.01 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 5MHz  | 132322 | 12RB#6  | 22.00 | 20.93 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 5MHz  | 132322 | 12RB#13 | 21.95 | 21.05 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 5MHz  | 132322 | 25RB#0  | 22.05 | 21.01 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 5MHz  | 132647 | 1RB#0   | 22.47 | 20.98 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 5MHz  | 132647 | 1RB#12  | 22.09 | 21.14 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 5MHz  | 132647 | 1RB#24  | 21.94 | 21.03 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 5MHz  | 132647 | 12RB#0  | 21.05 | 20.00 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 5MHz  | 132647 | 12RB#6  | 21.06 | 20.00 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 5MHz  | 132647 | 12RB#13 | 20.97 | 19.90 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 5MHz  | 132647 | 25RB#0  | 21.04 | 20.01 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 10MHz | 132022 | 1RB#0   | 22.65 | 21.55 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 10MHz | 132022 | 1RB#24  | 22.44 | 21.69 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 10MHz | 132022 | 1RB#49  | 22.79 | 22.03 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 10MHz | 132022 | 25RB#0  | 21.83 | 20.87 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 10MHz | 132022 | 25RB#12 | 21.86 | 20.85 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 10MHz | 132022 | 25RB#25 | 21.90 | 20.91 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 10MHz | 132022 | 50RB#0  | 21.84 | 20.84 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 10MHz | 132322 | 1RB#0   | 22.91 | 22.04 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 10MHz | 132322 | 1RB#24  | 23.09 | 22.03 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 10MHz | 132322 | 1RB#49  | 22.89 | 21.81 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 10MHz | 132322 | 25RB#0  | 22.08 | 20.77 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 10MHz | 132322 | 25RB#12 | 21.99 | 20.93 | 22.5±1.0 | 21.5±1.0 |



|      |        |       |        |         |              |       |          |          |
|------|--------|-------|--------|---------|--------------|-------|----------|----------|
| NTNV | Band66 | 10MHz | 132322 | 25RB#25 | 22.11        | 21.10 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 10MHz | 132322 | 50RB#0  | 21.98        | 21.03 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 10MHz | 132622 | 1RB#0   | 22.51        | 21.04 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 10MHz | 132622 | 1RB#24  | 22.20        | 21.06 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 10MHz | 132622 | 1RB#49  | 22.05        | 20.96 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 10MHz | 132622 | 25RB#0  | 21.30        | 20.27 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 10MHz | 132622 | 25RB#12 | 21.31        | 20.29 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 10MHz | 132622 | 25RB#25 | 21.09        | 20.09 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 10MHz | 132622 | 50RB#0  | 21.19        | 20.16 | 22.5±1.0 | 21.5±1.0 |
| NTNV | Band66 | 15MHz | 132047 | 1RB#0   | 22.63        | 21.54 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 15MHz | 132047 | 1RB#38  | 22.54        | 21.73 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 15MHz | 132047 | 1RB#74  | 22.52        | 21.48 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 15MHz | 132047 | 38RB#0  | 21.61        | 21.83 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 15MHz | 132047 | 38RB#18 | 21.59        | 21.64 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 15MHz | 132047 | 38RB#37 | 21.79        | 21.85 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 15MHz | 132047 | 75RB#0  | 21.80        | 20.80 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 15MHz | 132322 | 1RB#0   | 22.74        | 21.67 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 15MHz | 132322 | 1RB#38  | 22.51        | 21.85 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 15MHz | 132322 | 1RB#74  | 22.37        | 21.59 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 15MHz | 132322 | 38RB#0  | 21.81        | 21.85 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 15MHz | 132322 | 38RB#18 | 21.70        | 21.91 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 15MHz | 132322 | 38RB#37 | 21.79        | 21.84 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 15MHz | 132322 | 75RB#0  | 21.77        | 20.54 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 15MHz | 132597 | 1RB#0   | 22.45        | 21.19 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 15MHz | 132597 | 1RB#38  | 22.33        | 20.97 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 15MHz | 132597 | 1RB#74  | 22.05        | 20.80 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 15MHz | 132597 | 38RB#0  | 21.17        | 21.42 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 15MHz | 132597 | 38RB#18 | 21.28        | 21.24 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 15MHz | 132597 | 38RB#37 | 21.16        | 21.23 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 15MHz | 132597 | 75RB#0  | 21.25        | 20.20 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 20MHz | 132072 | 1RB#0   | 22.61        | 21.26 | 22.5±1.0 | 21.0±1.0 |
| NTNV | Band66 | 20MHz | 132072 | 1RB#49  | <b>22.72</b> | 21.84 | 22.5±1.0 | 21.0±1.0 |
| NTNV | Band66 | 20MHz | 132072 | 1RB#99  | 22.22        | 21.27 | 22.5±1.0 | 21.0±1.0 |
| NTNV | Band66 | 20MHz | 132072 | 50RB#0  | 21.64        | 20.96 | 22.5±1.0 | 21.0±1.0 |
| NTNV | Band66 | 20MHz | 132072 | 50RB#25 | 21.87        | 20.92 | 22.5±1.0 | 21.0±1.0 |
| NTNV | Band66 | 20MHz | 132072 | 50RB#50 | 21.78        | 20.42 | 22.5±1.0 | 21.0±1.0 |
| NTNV | Band66 | 20MHz | 132072 | 100RB#0 | 21.67        | 20.78 | 22.5±1.0 | 21.0±1.0 |
| NTNV | Band66 | 20MHz | 132322 | 1RB#0   | 22.66        | 21.41 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 20MHz | 132322 | 1RB#49  | 22.67        | 21.85 | 22.0±1.0 | 21.0±1.0 |



|      |        |       |        |         |       |       |          |          |
|------|--------|-------|--------|---------|-------|-------|----------|----------|
| NTNV | Band66 | 20MHz | 132322 | 1RB#99  | 22.13 | 21.38 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 20MHz | 132322 | 50RB#0  | 21.73 | 20.41 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 20MHz | 132322 | 50RB#25 | 21.48 | 20.45 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 20MHz | 132322 | 50RB#50 | 21.79 | 21.14 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 20MHz | 132322 | 100RB#0 | 21.93 | 20.89 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 20MHz | 132572 | 1RB#0   | 22.26 | 21.33 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 20MHz | 132572 | 1RB#49  | 22.60 | 21.45 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 20MHz | 132572 | 1RB#99  | 21.83 | 20.80 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 20MHz | 132572 | 50RB#0  | 21.54 | 20.90 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 20MHz | 132572 | 50RB#25 | 21.85 | 20.90 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 20MHz | 132572 | 50RB#50 | 21.35 | 20.10 | 22.0±1.0 | 21.0±1.0 |
| NTNV | Band66 | 20MHz | 132572 | 100RB#0 | 21.41 | 20.53 | 22.0±1.0 | 21.0±1.0 |

| Condition | Band   | Channel Bandwidth | Channel | RB Configure | Result (dBm) |       | Tune-Up  |          |
|-----------|--------|-------------------|---------|--------------|--------------|-------|----------|----------|
|           |        |                   |         |              | QPSK         | 16QAM | QPSK     | 16QAM    |
| NTNV      | Band71 | 5MHz              | 133147  | 1RB#0        | 23.18        | 22.30 | 23.0±1.0 | 22.0±1.0 |
| NTNV      | Band71 | 5MHz              | 133147  | 1RB#12       | 23.43        | 22.58 | 23.0±1.0 | 22.0±1.0 |
| NTNV      | Band71 | 5MHz              | 133147  | 1RB#24       | 23.35        | 22.52 | 23.0±1.0 | 22.0±1.0 |
| NTNV      | Band71 | 5MHz              | 133147  | 12RB#0       | 22.30        | 21.30 | 23.0±1.0 | 22.0±1.0 |
| NTNV      | Band71 | 5MHz              | 133147  | 12RB#6       | 22.31        | 21.25 | 23.0±1.0 | 22.0±1.0 |
| NTNV      | Band71 | 5MHz              | 133147  | 12RB#13      | 22.25        | 21.25 | 23.0±1.0 | 22.0±1.0 |
| NTNV      | Band71 | 5MHz              | 133147  | 25RB#0       | 22.27        | 21.22 | 23.0±1.0 | 22.0±1.0 |
| NTNV      | Band71 | 5MHz              | 133297  | 1RB#0        | 23.68        | 22.62 | 23.0±1.0 | 22.0±1.0 |
| NTNV      | Band71 | 5MHz              | 133297  | 1RB#12       | 23.90        | 22.72 | 23.0±1.0 | 22.0±1.0 |
| NTNV      | Band71 | 5MHz              | 133297  | 1RB#24       | 23.54        | 22.29 | 23.0±1.0 | 22.0±1.0 |
| NTNV      | Band71 | 5MHz              | 133297  | 12RB#0       | 22.39        | 21.77 | 23.0±1.0 | 22.0±1.0 |
| NTNV      | Band71 | 5MHz              | 133297  | 12RB#6       | 22.77        | 21.77 | 23.0±1.0 | 22.0±1.0 |
| NTNV      | Band71 | 5MHz              | 133297  | 12RB#13      | 22.69        | 21.71 | 23.0±1.0 | 22.0±1.0 |
| NTNV      | Band71 | 5MHz              | 133297  | 25RB#0       | 22.78        | 21.77 | 23.0±1.0 | 22.0±1.0 |
| NTNV      | Band71 | 5MHz              | 133447  | 1RB#0        | 23.98        | 22.98 | 23.5±1.0 | 22.5±1.0 |
| NTNV      | Band71 | 5MHz              | 133447  | 1RB#12       | 24.16        | 23.13 | 23.5±1.0 | 22.5±1.0 |
| NTNV      | Band71 | 5MHz              | 133447  | 1RB#24       | 23.95        | 22.93 | 23.5±1.0 | 22.5±1.0 |
| NTNV      | Band71 | 5MHz              | 133447  | 12RB#0       | 23.11        | 22.03 | 23.5±1.0 | 22.5±1.0 |
| NTNV      | Band71 | 5MHz              | 133447  | 12RB#6       | 23.12        | 22.03 | 23.5±1.0 | 22.5±1.0 |
| NTNV      | Band71 | 5MHz              | 133447  | 12RB#13      | 23.13        | 21.98 | 23.5±1.0 | 22.5±1.0 |
| NTNV      | Band71 | 5MHz              | 133447  | 25RB#0       | 23.11        | 22.07 | 23.5±1.0 | 22.5±1.0 |
| NTNV      | Band71 | 10MHz             | 133172  | 1RB#0        | 23.20        | 23.20 | 23.5±1.0 | 22.5±1.0 |
| NTNV      | Band71 | 10MHz             | 133172  | 1RB#24       | 23.56        | 23.56 | 23.5±1.0 | 22.5±1.0 |
| NTNV      | Band71 | 10MHz             | 133172  | 1RB#49       | 23.50        | 23.50 | 23.5±1.0 | 22.5±1.0 |



|      |        |       |        |         |       |       |          |          |
|------|--------|-------|--------|---------|-------|-------|----------|----------|
| NTNV | Band71 | 10MHz | 133172 | 25RB#0  | 22.57 | 22.57 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 10MHz | 133172 | 25RB#12 | 22.61 | 22.61 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 10MHz | 133172 | 25RB#25 | 22.70 | 22.70 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 10MHz | 133172 | 50RB#0  | 22.60 | 22.60 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 10MHz | 133297 | 1RB#0   | 23.52 | 23.52 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 10MHz | 133297 | 1RB#24  | 23.86 | 23.86 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 10MHz | 133297 | 1RB#49  | 23.55 | 23.55 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 10MHz | 133297 | 25RB#0  | 22.93 | 22.93 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 10MHz | 133297 | 25RB#12 | 22.89 | 22.89 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 10MHz | 133297 | 25RB#25 | 22.88 | 22.88 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 10MHz | 133297 | 50RB#0  | 22.89 | 22.89 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 10MHz | 133422 | 1RB#0   | 23.93 | 23.93 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 10MHz | 133422 | 1RB#24  | 24.20 | 24.20 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 10MHz | 133422 | 1RB#49  | 24.09 | 24.09 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 10MHz | 133422 | 25RB#0  | 23.08 | 23.08 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 10MHz | 133422 | 25RB#12 | 23.07 | 23.07 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 10MHz | 133422 | 25RB#25 | 23.07 | 23.07 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 10MHz | 133422 | 50RB#0  | 23.13 | 23.13 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 15MHz | 133197 | 1RB#0   | 23.08 | 22.16 | 23.0±1.0 | 22.5±1.0 |
| NTNV | Band71 | 15MHz | 133197 | 1RB#38  | 23.50 | 22.61 | 23.0±1.0 | 22.5±1.0 |
| NTNV | Band71 | 15MHz | 133197 | 1RB#74  | 23.53 | 22.64 | 23.0±1.0 | 22.5±1.0 |
| NTNV | Band71 | 15MHz | 133197 | 38RB#0  | 22.15 | 22.18 | 23.0±1.0 | 22.5±1.0 |
| NTNV | Band71 | 15MHz | 133197 | 38RB#18 | 22.55 | 22.58 | 23.0±1.0 | 22.5±1.0 |
| NTNV | Band71 | 15MHz | 133197 | 38RB#37 | 22.63 | 22.68 | 23.0±1.0 | 22.5±1.0 |
| NTNV | Band71 | 15MHz | 133197 | 75RB#0  | 22.57 | 21.49 | 23.0±1.0 | 22.5±1.0 |
| NTNV | Band71 | 15MHz | 133297 | 1RB#0   | 23.32 | 22.42 | 23.0±1.0 | 22.5±1.0 |
| NTNV | Band71 | 15MHz | 133297 | 1RB#38  | 23.78 | 22.93 | 23.0±1.0 | 22.5±1.0 |
| NTNV | Band71 | 15MHz | 133297 | 1RB#74  | 23.81 | 22.72 | 23.0±1.0 | 22.5±1.0 |
| NTNV | Band71 | 15MHz | 133297 | 38RB#0  | 22.44 | 22.39 | 23.0±1.0 | 22.5±1.0 |
| NTNV | Band71 | 15MHz | 133297 | 38RB#18 | 22.89 | 22.73 | 23.0±1.0 | 22.5±1.0 |
| NTNV | Band71 | 15MHz | 133297 | 38RB#37 | 22.90 | 22.52 | 23.0±1.0 | 22.5±1.0 |
| NTNV | Band71 | 15MHz | 133297 | 75RB#0  | 22.76 | 21.74 | 23.0±1.0 | 22.5±1.0 |
| NTNV | Band71 | 15MHz | 133397 | 1RB#0   | 23.65 | 22.41 | 23.0±1.0 | 22.5±1.0 |
| NTNV | Band71 | 15MHz | 133397 | 1RB#38  | 23.88 | 23.23 | 23.0±1.0 | 22.5±1.0 |
| NTNV | Band71 | 15MHz | 133397 | 1RB#74  | 23.73 | 22.65 | 23.0±1.0 | 22.5±1.0 |
| NTNV | Band71 | 15MHz | 133397 | 38RB#0  | 22.39 | 22.40 | 23.0±1.0 | 22.5±1.0 |
| NTNV | Band71 | 15MHz | 133397 | 38RB#18 | 22.76 | 23.26 | 23.0±1.0 | 22.5±1.0 |
| NTNV | Band71 | 15MHz | 133397 | 38RB#37 | 23.08 | 22.67 | 23.0±1.0 | 22.5±1.0 |
| NTNV | Band71 | 15MHz | 133397 | 75RB#0  | 22.93 | 21.92 | 23.0±1.0 | 22.5±1.0 |



|      |        |       |        |         |              |       |          |          |
|------|--------|-------|--------|---------|--------------|-------|----------|----------|
| NTNV | Band71 | 20MHz | 133222 | 1RB#0   | 23.03        | 21.96 | 23.0±1.0 | 22.0±1.0 |
| NTNV | Band71 | 20MHz | 133222 | 1RB#49  | 23.76        | 22.71 | 23.0±1.0 | 22.0±1.0 |
| NTNV | Band71 | 20MHz | 133222 | 1RB#99  | 23.67        | 22.60 | 23.0±1.0 | 22.0±1.0 |
| NTNV | Band71 | 20MHz | 133222 | 50RB#0  | 22.34        | 21.31 | 23.0±1.0 | 22.0±1.0 |
| NTNV | Band71 | 20MHz | 133222 | 50RB#25 | 22.34        | 21.31 | 23.0±1.0 | 22.0±1.0 |
| NTNV | Band71 | 20MHz | 133222 | 50RB#50 | 22.39        | 21.37 | 23.0±1.0 | 22.0±1.0 |
| NTNV | Band71 | 20MHz | 133222 | 100RB#0 | 22.34        | 21.32 | 23.0±1.0 | 22.0±1.0 |
| NTNV | Band71 | 20MHz | 133322 | 1RB#0   | 23.30        | 22.22 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 20MHz | 133322 | 1RB#49  | 24.04        | 22.48 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 20MHz | 133322 | 1RB#99  | 23.42        | 22.32 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 20MHz | 133322 | 50RB#0  | 22.98        | 21.95 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 20MHz | 133322 | 50RB#25 | 22.99        | 21.95 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 20MHz | 133322 | 50RB#50 | 23.15        | 22.12 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 20MHz | 133322 | 100RB#0 | 23.03        | 22.04 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 20MHz | 133372 | 1RB#0   | 23.42        | 22.08 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 20MHz | 133372 | 1RB#49  | <b>24.09</b> | 22.79 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 20MHz | 133372 | 1RB#99  | 23.39        | 22.46 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 20MHz | 133372 | 50RB#0  | 22.63        | 21.62 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 20MHz | 133372 | 50RB#25 | 22.70        | 21.61 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 20MHz | 133372 | 50RB#50 | 22.78        | 21.79 | 23.5±1.0 | 22.5±1.0 |
| NTNV | Band71 | 20MHz | 133372 | 100RB#0 | 22.93        | 21.92 | 23.5±1.0 | 22.5±1.0 |



## &lt;WLAN 2.4GHz Conducted Power&gt;

| Mode          | Channel | Frequency (MHz) | Conducted Peak Output Power(dBm) | Conducted Average Output Power(dBm) | Tune-up power(dBm) |
|---------------|---------|-----------------|----------------------------------|-------------------------------------|--------------------|
| 802.11b       | 1       | 2412            | 18.22                            | 16.35                               | 16.50              |
|               | 6       | 2437            | 17.69                            | 15.77                               | 16.50              |
|               | 11      | 2462            | 18.32                            | 16.42                               | 16.50              |
| 802.11g       | 1       | 2412            | 20.81                            | <b>17.33</b>                        | 17.50              |
|               | 6       | 2437            | 20.11                            | 16.89                               | 17.50              |
|               | 11      | 2462            | 20.67                            | 17.24                               | 17.50              |
| 802.11n(HT20) | 1       | 2412            | 20.78                            | 17.27                               | 17.50              |
|               | 6       | 2437            | 20.31                            | 17.12                               | 17.50              |
|               | 11      | 2462            | 20.52                            | 17.06                               | 17.50              |
| 802.11n(HT40) | 3       | 2422            | 17.58                            | 14.33                               | 15.00              |
|               | 6       | 2437            | 17.34                            | 14.20                               | 15.00              |
|               | 9       | 2452            | 17.93                            | 14.57                               | 15.00              |

## &lt;WLAN 5GHz Conducted Power&gt;

## Band 1:

| Mode            | Channel Frequency (MHz) | Average Power output (dBm) | Tune-up power(dBm) |
|-----------------|-------------------------|----------------------------|--------------------|
| 802.11a         | 5180                    | 15.17                      | 15.50              |
|                 | 5200                    | 14.65                      | 15.50              |
|                 | 5240                    | 13.66                      | 15.50              |
| 802.11n (HT20)  | 5180                    | 15.45                      | 15.50              |
|                 | 5200                    | 14.82                      | 15.50              |
|                 | 5240                    | 13.63                      | 15.50              |
| 802.11ac (HT20) | 5180                    | <b>15.62</b>               | 16.00              |
|                 | 5200                    | 15.06                      | 16.00              |
|                 | 5240                    | 13.67                      | 16.00              |
| 802.11n (HT40)  | 5190                    | 15.29                      | 16.00              |
|                 | 5230                    | 14.21                      | 16.00              |
| 802.11ac (HT40) | 5190                    | 15.51                      | 16.00              |
|                 | 5230                    | 14.11                      | 16.00              |
| 802.11ac (HT80) | 5210                    | 15.39                      | 16.00              |



## Band 2:

| Mode            | Channel Frequency (MHz) | Average Power output (dBm) | Tune-up power(dBm) |
|-----------------|-------------------------|----------------------------|--------------------|
| 802.11a         | 5260                    | 13.15                      | 13.50              |
|                 | 5280                    | 12.74                      | 13.50              |
|                 | 5320                    | 12.91                      | 13.50              |
| 802.11n (HT20)  | 5240                    | 13.08                      | 13.50              |
|                 | 5260                    | 12.76                      | 13.50              |
|                 | 5280                    | 12.89                      | 13.50              |
| 802.11ac (HT20) | 5260                    | 13.10                      | 13.50              |
|                 | 5280                    | 12.77                      | 13.50              |
|                 | 5320                    | 12.83                      | 13.50              |
| 802.11n (HT40)  | 5270                    | 13.25                      | 13.50              |
|                 | 5310                    | 12.89                      | 13.50              |
| 802.11ac (HT40) | 5270                    | 13.28                      | 13.50              |
|                 | 5310                    | 12.82                      | 13.50              |
| 802.11ac (HT80) | 5290                    | <b>13.57</b>               | 14.00              |

## Band 4:

| Mode            | Channel Frequency (MHz) | Average Power output (dBm) | Tune-up power(dBm) |
|-----------------|-------------------------|----------------------------|--------------------|
| 802.11a         | 5745                    | 15.13                      | 18.00              |
|                 | 5785                    | 16.25                      | 18.00              |
|                 | 5825                    | 17.50                      | 18.00              |
| 802.11n (HT20)  | 5745                    | 15.16                      | 17.50              |
|                 | 5785                    | 16.34                      | 17.50              |
|                 | 5825                    | 17.49                      | 17.50              |
| 802.11ac (HT20) | 5745                    | 15.23                      | 18.00              |
|                 | 5785                    | 16.22                      | 18.00              |
|                 | 5825                    | <b>17.54</b>               | 18.00              |
| 802.11n (HT40)  | 5755                    | 15.75                      | 17.00              |
|                 | 5795                    | 16.84                      | 17.00              |
| 802.11ac (HT40) | 5755                    | 15.57                      | 17.00              |
|                 | 5795                    | 16.78                      | 17.00              |
| 802.11ac (HT80) | 5775                    | 16.36                      | 17.00              |



**Note:**

1. Per KDB 447498 D01, the 1-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances*  $\leq 50$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR, where

$f(\text{GHz})$  is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

2. Base on the result of note1, RF exposure evaluation of 2.4G/5.2G/5.3G /5.8G WIFI mode is required.

3. Per KDB 248227 D01, choose the highest output power channel to test SAR and determine further SAR exclusion.

4. Per KDB 248227 D01, In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements. SAR is not required for the following 2.4 GHz OFDM conditions:

1) When KDB Publication 447498 SAR test exclusion applies to the OFDM configuration.

2) When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg.



## &lt;Bluetooth Conducted Power&gt;

| Mode              | Channel | Frequency (MHz) | Conducted Peak Power (dBm) | Conducted Average Power (dBm) | Tune-up power(dBm) |
|-------------------|---------|-----------------|----------------------------|-------------------------------|--------------------|
| BT BDR (GFSK)     | 00      | 2402            | 10.77                      | 8.38                          | 9.50               |
|                   | 39      | 2441            | 10.16                      | 8.05                          | 9.50               |
|                   | 78      | 2480            | 11.83                      | <b>9.33</b>                   | 9.50               |
| BT EDR (Π/4DQPSK) | 00      | 2402            | 10.14                      | 7.93                          | 8.50               |
|                   | 39      | 2441            | 9.61                       | 7.29                          | 8.50               |
|                   | 78      | 2480            | 11.01                      | 8.11                          | 8.50               |
| BT EDR (8DPSK)    | 00      | 2402            | 10.38                      | 8.02                          | 8.50               |
|                   | 39      | 2441            | 9.66                       | 7.33                          | 8.50               |
|                   | 78      | 2480            | 11.05                      | 8.10                          | 8.50               |
| BT BLE_1M (GFSK)  | 00      | 2402            | -2.25                      | -3.84                         | -3.00              |
|                   | 19      | 2440            | -1.70                      | -3.07                         | -3.00              |
|                   | 39      | 2480            | -1.79                      | -3.11                         | -3.00              |
| BT BLE_2M (GFSK)  | 00      | 2402            | -2.70                      | -4.28                         | -3.00              |
|                   | 19      | 2440            | -2.16                      | -3.79                         | -3.00              |
|                   | 39      | 2480            | -1.78                      | -3.13                         | -3.00              |

**Note:**

Per KDB 447498 D01v05r02, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$$

≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR

f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

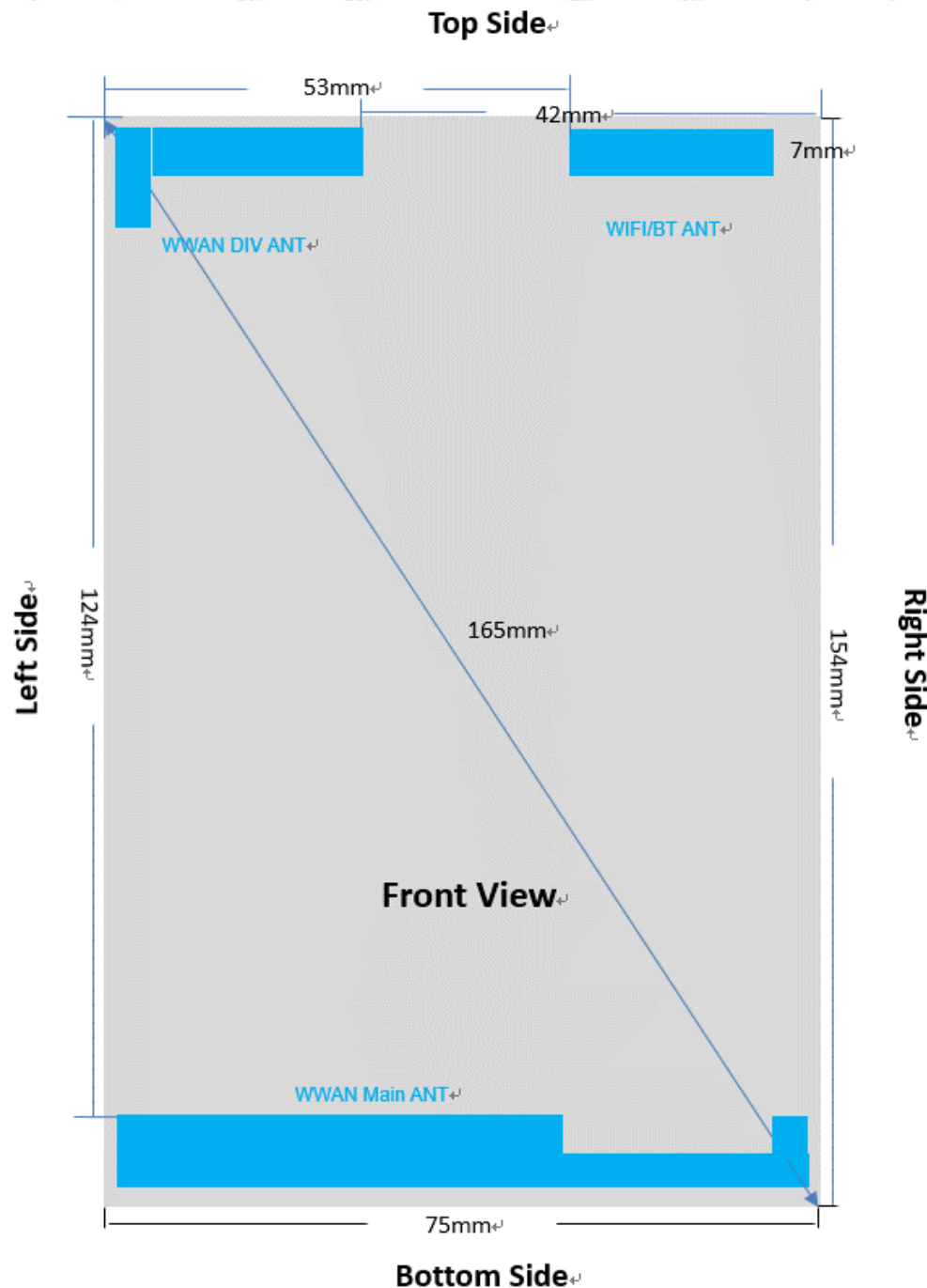
The result is rounded to one decimal place for comparison

| Bluetooth Max Power (dBm) | Separation Distance (mm) | Frequency (GHz) | exclusion thresholds |
|---------------------------|--------------------------|-----------------|----------------------|
| 9.50                      | 5                        | 2.48            | 2.807                |

Per KDB 447498 D01, when the minimum test separation distance is <10 mm, a distance of 10 mm is applied to determine SAR test exclusion. The test exclusion threshold is 2.807 which is ≤ 3, SAR testing is not required.



## 11. Antenna Location



Distance of The Antenna to the EUT surface and edge

| Antennas | Front | Back  | Top Side | Bottom Side | Left Side | Right Side |
|----------|-------|-------|----------|-------------|-----------|------------|
| BT&WLAN  | <25mm | <25mm | <25mm    | >25mm       | >25mm     | <25mm      |
| WWAN     | <25mm | <25mm | >25mm    | <25mm       | <25mm     | <25mm      |



**Positions for SAR tests; Body and Hotspot mode**

| Antennas | Front | Back | Top Side | Bottom Side | Left Side | Right Side |
|----------|-------|------|----------|-------------|-----------|------------|
| BT&WLAN  | Yes   | Yes  | Yes      | No          | No        | Yes        |
| WWAN     | Yes   | Yes  | No       | Yes         | Yes       | Yes        |

**General Note:** According with FCC KDB 447498 D01, appendix A, <SAR test exclusion thresholds for 100MHz~6GHz and≤50mm> table, this device SAR test configurations considerations are shown in the table above.

Per KDB 447498 D01, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.



## 12. SAR Test Results Summary

### General Note:

1.Per KDB 447498 D01v05r01, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.

*Scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.*

*Reported SAR(W/kg)= Measured SAR(W/kg)\* Scaling Factor*

2.Per KDB 447498 D01v05r01, for each exposure position, if the highest output channel reported SAR≤0.8W/kg, other channels SAR testing are not necessary

3.Per KDB 941225 D05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.

4.Per KDB 941225 D05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.

5.Per KDB 941225 D05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

6.Per KDB 941225 D05, 16QAM output power for each RB allocation configuration is > not ½ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05, 16QAM SAR testing is not required.

7.Per KDB 941225 D05, Smaller bandwidth output power for each RB allocation configuration is > not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05, smaller bandwidth SAR testing is not required.

8.Per KDB865664 D01, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥0.8W/Kg; if the deviation among the repeated measurement is ≤20%,and the measured SAR <1.45W/Kg, only one repeated measurement is required.

9.When the user enables the personal Wireless router functions for the handsets, actual operations include simultaneous transmission of both the Wi-Fi transmitting frequency and thus cannot be evaluated for SAR under actual use conditions. The "Portable Hotspot" feature on the handset was NOT activated, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal.



## 12.1. Head SAR Results

## &lt;GSM&gt;

| Plot No. | Band    | Mode             | Test Position | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR <sub>1g</sub> (W/kg) | Reported SAR <sub>1g</sub> (W/kg) |
|----------|---------|------------------|---------------|-----|-------------|---------------------|---------------------|----------------|------------------|-----------------------------------|-----------------------------------|
|          | GSM850  | GPRS(4 Tx slots) | Left Cheek    | 251 | 848.6       | 26.40               | 26.50               | 1.023          | -0.07            | 0.464                             | 0.475                             |
|          | GSM850  | GPRS(4 Tx slots) | Left Tilt     | 251 | 848.6       | 26.40               | 26.50               | 1.023          | -0.15            | 0.254                             | 0.260                             |
| #1       | GSM850  | GPRS(4 Tx slots) | Right Cheek   | 251 | 848.6       | 26.40               | 26.50               | 1.023          | 0.03             | 0.477                             | <b>0.488</b>                      |
|          | GSM850  | GPRS(4 Tx slots) | Right Tilt    | 251 | 848.6       | 26.40               | 26.50               | 1.023          | -0.06            | 0.309                             | 0.316                             |
|          | PCS1900 | GPRS(4 Tx slots) | Left Cheek    | 512 | 1850.2      | 23.44               | 24.00               | 1.138          | 0.05             | 0.283                             | 0.322                             |
|          | PCS1900 | GPRS(4 Tx slots) | Left Tilt     | 512 | 1850.2      | 23.44               | 24.00               | 1.138          | -0.10            | 0.195                             | 0.222                             |
| #2       | PCS1900 | GPRS(4 Tx slots) | Right Cheek   | 512 | 1850.2      | 23.44               | 24.00               | 1.138          | -0.08            | 0.316                             | <b>0.359</b>                      |
|          | PCS1900 | GPRS(4 Tx slots) | Right Tilt    | 512 | 1850.2      | 23.44               | 24.00               | 1.138          | -0.11            | 0.227                             | 0.258                             |



## &lt;WCDMA&gt;

| Plot No. | Band          | Mode      | Test Position | Ch.  | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR <sub>1g</sub> (W/kg) | Reported SAR <sub>1g</sub> (W/kg) |
|----------|---------------|-----------|---------------|------|-------------|---------------------|---------------------|----------------|------------------|-----------------------------------|-----------------------------------|
|          | WCDMA Band II | RMC 12.2K | Left Cheek    | 9262 | 1852.4      | 22.92               | 23.00               | 1.019          | -0.11            | 0.263                             | 0.268                             |
|          | WCDMA Band II | RMC 12.2K | Left Tilt     | 9262 | 1852.4      | 22.92               | 23.00               | 1.019          | 0.07             | 0.169                             | 0.172                             |
| #3       | WCDMA Band II | RMC 12.2K | Right Cheek   | 9262 | 1852.4      | 22.92               | 23.00               | 1.019          | 0.12             | 0.281                             | <b>0.286</b>                      |
|          | WCDMA Band II | RMC 12.2K | Right Tilt    | 9262 | 1852.4      | 22.92               | 23.00               | 1.019          | 0.06             | 0.188                             | 0.191                             |
|          | WCDMA Band V  | RMC 12.2K | Left Cheek    | 4132 | 826.4       | 23.61               | 24.00               | 1.094          | 0.12             | 0.349                             | 0.382                             |
|          | WCDMA Band V  | RMC 12.2K | Left Tilt     | 4132 | 826.4       | 23.61               | 24.00               | 1.094          | -0.09            | 0.251                             | 0.275                             |
| #4       | WCDMA Band V  | RMC 12.2K | Right Cheek   | 4132 | 826.4       | 23.61               | 24.00               | 1.094          | -0.09            | 0.364                             | <b>0.398</b>                      |
|          | WCDMA Band V  | RMC 12.2K | Right Tilt    | 4132 | 826.4       | 23.61               | 24.00               | 1.094          | 0.07             | 0.277                             | 0.303                             |
|          | WCDMA Band IV | RMC 12.2K | Left Cheek    | 1513 | 1752.6      | 22.75               | 23.00               | 1.059          | -0.05            | 0.316                             | 0.335                             |
|          | WCDMA Band IV | RMC 12.2K | Left Tilt     | 1513 | 1752.6      | 22.75               | 23.00               | 1.059          | 0.07             | 0.186                             | 0.197                             |
| #5       | WCDMA Band IV | RMC 12.2K | Right Cheek   | 1513 | 1752.6      | 22.75               | 23.00               | 1.059          | 0.03             | 0.338                             | <b>0.358</b>                      |
|          | WCDMA Band IV | RMC 12.2K | Right Tilt    | 1513 | 1752.6      | 22.75               | 23.00               | 1.059          | -0.05            | 0.218                             | 0.231                             |



## &lt;LTE&gt;

| Plot No. | Band        | Mode       | Test Position | Ch.   | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR <sub>1g</sub> (W/kg) | Reported SAR <sub>1g</sub> (W/kg) |
|----------|-------------|------------|---------------|-------|-------------|---------------------|---------------------|----------------|------------------|-----------------------------------|-----------------------------------|
|          | LTE Band 7  | 20MHz/1RB  | Left Cheek    | 20850 | 2510        | 22.07               | 22.5                | 1.104          | 0.01             | 0.438                             | 0.484                             |
|          | LTE Band 7  | 20MHz/50RB | Left Cheek    | 20850 | 2510        | 21.55               | 22.5                | 1.245          | 0.05             | 0.212                             | 0.264                             |
|          | LTE Band 7  | 20MHz/1RB  | Left Tilt     | 20850 | 2510        | 22.07               | 22.5                | 1.104          | 0.12             | 0.377                             | 0.416                             |
|          | LTE Band 7  | 20MHz/50RB | Left Tilt     | 20850 | 2510        | 21.55               | 22.5                | 1.245          | 0.14             | 0.279                             | 0.347                             |
| #6       | LTE Band 7  | 20MHz/1RB  | Right Cheek   | 20850 | 2510        | 22.07               | 22.5                | 1.104          | 0.13             | 0.518                             | <b>0.572</b>                      |
|          | LTE Band 7  | 20MHz/50RB | Right Cheek   | 20850 | 2510        | 21.55               | 22.5                | 1.245          | 0.08             | 0.392                             | 0.488                             |
|          | LTE Band 7  | 20MHz/1RB  | Right Tilt    | 20850 | 2510        | 22.07               | 22.5                | 1.104          | 0.08             | 0.439                             | 0.485                             |
|          | LTE Band 7  | 20MHz/50RB | Right Tilt    | 20850 | 2510        | 21.55               | 22.5                | 1.245          | -0.17            | 0.213                             | 0.265                             |
|          | LTE Band 12 | 10MHz/1RB  | Left Cheek    | 23060 | 704         | 24.04               | 24.5                | 1.112          | 0.06             | 0.267                             | 0.297                             |
|          | LTE Band 12 | 10MHz/25RB | Left Cheek    | 23060 | 704         | 23.09               | 24.5                | 1.384          | 0.02             | 0.189                             | 0.261                             |
|          | LTE Band 12 | 10MHz/1RB  | Left Tilt     | 23060 | 704         | 24.04               | 24.5                | 1.112          | 0.05             | 0.227                             | 0.252                             |
|          | LTE Band 12 | 10MHz/25RB | Left Tilt     | 23060 | 704         | 23.09               | 24.5                | 1.384          | 0.11             | 0.153                             | 0.212                             |
| #7       | LTE Band 12 | 10MHz/1RB  | Right Cheek   | 23060 | 704         | 24.04               | 24.5                | 1.112          | -0.12            | 0.292                             | <b>0.325</b>                      |
|          | LTE Band 12 | 10MHz/25RB | Right Cheek   | 23060 | 704         | 23.09               | 24.5                | 1.384          | -0.05            | 0.211                             | 0.292                             |
|          | LTE Band 12 | 10MHz/1RB  | Right Tilt    | 23060 | 704         | 24.04               | 24.5                | 1.112          | 0.06             | 0.213                             | 0.237                             |
|          | LTE Band 12 | 10MHz/25RB | Right Tilt    | 23060 | 704         | 23.09               | 24.5                | 1.384          | 0.05             | 0.155                             | 0.214                             |
|          | LTE Band 13 | 10MHz/1RB  | Left Cheek    | 23230 | 782         | 23.61               | 24.0                | 1.094          | 0.10             | 0.265                             | 0.290                             |
|          | LTE Band 13 | 10MHz/25RB | Left Cheek    | 23230 | 782         | 22.84               | 24.0                | 1.306          | 0.04             | 0.175                             | 0.229                             |
|          | LTE Band 13 | 10MHz/1RB  | Left Tilt     | 23230 | 782         | 23.61               | 24.0                | 1.094          | 0.06             | 0.231                             | 0.253                             |
|          | LTE Band 13 | 10MHz/25RB | Left Tilt     | 23230 | 782         | 22.84               | 24.0                | 1.306          | 0.05             | 0.144                             | 0.188                             |
| #8       | LTE Band 13 | 10MHz/1RB  | Right Cheek   | 23230 | 782         | 23.61               | 24.0                | 1.094          | 0.12             | 0.271                             | <b>0.296</b>                      |
|          | LTE Band 13 | 10MHz/25RB | Right Cheek   | 23230 | 782         | 22.84               | 24.0                | 1.306          | -0.11            | 0.173                             | 0.226                             |
|          | LTE Band 13 | 10MHz/1RB  | Right Tilt    | 23230 | 782         | 23.61               | 24.0                | 1.094          | -0.05            | 0.246                             | 0.269                             |
|          | LTE Band 13 | 10MHz/25RB | Right Tilt    | 23230 | 782         | 22.84               | 24.0                | 1.306          | 0.07             | 0.138                             | 0.180                             |
|          | LTE Band 25 | 20MHz/1RB  | Left Cheek    | 26140 | 1860        | 23.23               | 23.5                | 1.064          | 0.15             | 0.566                             | 0.602                             |
|          | LTE Band 25 | 20MHz/50RB | Left Cheek    | 26140 | 1860        | 22.09               | 23.5                | 1.384          | 0.13             | 0.408                             | 0.564                             |



|     |             |            |             |        |       |       |      |       |       |       |              |
|-----|-------------|------------|-------------|--------|-------|-------|------|-------|-------|-------|--------------|
|     | LTE Band 25 | 20MHz/1RB  | Left Tilt   | 26140  | 1860  | 23.23 | 23.5 | 1.064 | 0.18  | 0.441 | 0.469        |
|     | LTE Band 25 | 20MHz/50RB | Left Tilt   | 26140  | 1860  | 22.09 | 23.5 | 1.384 | 0.07  | 0.308 | 0.426        |
| #9  | LTE Band 25 | 20MHz/1RB  | Right Cheek | 26140  | 1860  | 23.23 | 23.5 | 1.064 | -0.18 | 0.586 | <b>0.624</b> |
|     | LTE Band 25 | 20MHz/50RB | Right Cheek | 26140  | 1860  | 22.09 | 23.5 | 1.384 | -0.02 | 0.418 | 0.578        |
|     | LTE Band 25 | 20MHz/1RB  | Right Tilt  | 26140  | 1860  | 23.23 | 23.5 | 1.064 | -0.04 | 0.457 | 0.486        |
|     | LTE Band 25 | 20MHz/50RB | Right Tilt  | 26140  | 1860  | 22.09 | 23.5 | 1.384 | 0.13  | 0.319 | 0.441        |
|     | LTE Band 26 | 20MHz/1RB  | Left Cheek  | 26765  | 821.5 | 23.94 | 24.5 | 1.138 | 0.15  | 0.317 | 0.361        |
|     | LTE Band 26 | 20MHz/38RB | Left Cheek  | 26765  | 836.5 | 22.99 | 24.5 | 1.416 | 0.07  | 0.186 | 0.263        |
|     | LTE Band 26 | 20MHz/1RB  | Left Tilt   | 26765  | 821.5 | 23.94 | 24.5 | 1.138 | -0.08 | 0.311 | 0.354        |
|     | LTE Band 26 | 20MHz/38RB | Left Tilt   | 26765  | 836.5 | 22.99 | 24.5 | 1.416 | -0.12 | 0.157 | 0.222        |
| #10 | LTE Band 26 | 20MHz/1RB  | Right Cheek | 26765  | 821.5 | 23.94 | 24.5 | 1.138 | 0.08  | 0.343 | <b>0.390</b> |
|     | LTE Band 26 | 20MHz/38RB | Right Cheek | 26765  | 836.5 | 22.99 | 24.5 | 1.416 | -0.08 | 0.239 | 0.338        |
|     | LTE Band 26 | 20MHz/1RB  | Right Tilt  | 26765  | 821.5 | 23.94 | 24.5 | 1.138 | 0.05  | 0.333 | 0.379        |
|     | LTE Band 26 | 20MHz/38RB | Right Tilt  | 26765  | 836.5 | 22.99 | 24.5 | 1.416 | 0.03  | 0.152 | 0.215        |
|     | LTE Band 41 | 20MHz/1RB  | Left Cheek  | 41140  | 2645  | 23.01 | 23.5 | 1.119 | 0.12  | 0.243 | 0.272        |
|     | LTE Band 41 | 20MHz/50RB | Left Cheek  | 41140  | 2645  | 21.96 | 23.5 | 1.426 | -0.10 | 0.166 | 0.237        |
|     | LTE Band 41 | 20MHz/1RB  | Left Tilt   | 41140  | 2645  | 23.01 | 23.5 | 1.119 | -0.08 | 0.175 | 0.196        |
|     | LTE Band 41 | 20MHz/50RB | Left Tilt   | 41140  | 2645  | 21.96 | 23.5 | 1.426 | 0.05  | 0.095 | 0.135        |
| #11 | LTE Band 41 | 20MHz/1RB  | Right Cheek | 41140  | 2645  | 23.01 | 23.5 | 1.119 | -0.18 | 0.265 | <b>0.297</b> |
|     | LTE Band 41 | 20MHz/50RB | Right Cheek | 41140  | 2645  | 21.96 | 23.5 | 1.426 | -0.16 | 0.177 | 0.252        |
|     | LTE Band 41 | 20MHz/1RB  | Right Tilt  | 41140  | 2645  | 23.01 | 23.5 | 1.119 | -0.14 | 0.186 | 0.208        |
|     | LTE Band 41 | 20MHz/50RB | Right Tilt  | 41140  | 2645  | 21.96 | 23.5 | 1.426 | 0.06  | 0.101 | 0.144        |
|     | LTE Band 66 | 20MHz/1RB  | Left Cheek  | 132072 | 1720  | 22.72 | 23.5 | 1.197 | 0.12  | 0.366 | 0.438        |
|     | LTE Band 66 | 20MHz/50RB | Left Cheek  | 132072 | 1720  | 21.87 | 23.5 | 1.455 | 0.13  | 0.257 | 0.374        |
|     | LTE Band 66 | 20MHz/1RB  | Left Tilt   | 132072 | 1720  | 22.72 | 23.5 | 1.197 | -0.08 | 0.281 | 0.336        |
|     | LTE Band 66 | 20MHz/50RB | Left Tilt   | 132072 | 1720  | 21.87 | 23.5 | 1.455 | 0.04  | 0.178 | 0.259        |
| #12 | LTE Band 66 | 20MHz/1RB  | Right Cheek | 132072 | 1720  | 22.72 | 23.5 | 1.197 | 0.10  | 0.388 | <b>0.464</b> |
|     | LTE Band 66 | 20MHz/50RB | Right Cheek | 132072 | 1720  | 21.87 | 23.5 | 1.455 | 0.11  | 0.282 | 0.410        |
|     | LTE Band 66 | 20MHz/1RB  | Right Tilt  | 132072 | 1720  | 22.72 | 23.5 | 1.197 | 0.09  | 0.316 | 0.378        |
|     | LTE Band 66 | 20MHz/50RB | Right Tilt  | 132072 | 1720  | 21.87 | 23.5 | 1.455 | 0.15  | 0.201 | 0.293        |



|     |             |            |             |        |     |       |      |       |       |       |              |
|-----|-------------|------------|-------------|--------|-----|-------|------|-------|-------|-------|--------------|
|     | LTE Band 71 | 20MHz/1RB  | Left Cheek  | 133372 | 688 | 24.09 | 24.5 | 1.099 | -0.10 | 0.441 | 0.485        |
|     | LTE Band 71 | 20MHz/50RB | Left Cheek  | 133372 | 688 | 22.78 | 24.5 | 1.486 | -0.12 | 0.315 | 0.468        |
|     | LTE Band 71 | 20MHz/1RB  | Left Tilt   | 133372 | 688 | 24.09 | 24.5 | 1.099 | 0.03  | 0.352 | 0.387        |
|     | LTE Band 71 | 20MHz/50RB | Left Tilt   | 133372 | 688 | 22.78 | 24.5 | 1.486 | 0.07  | 0.239 | 0.355        |
| #13 | LTE Band 71 | 20MHz/1RB  | Right Cheek | 133372 | 688 | 24.09 | 24.5 | 1.099 | 0.09  | 0.463 | <b>0.509</b> |
|     | LTE Band 71 | 20MHz/50RB | Right Cheek | 133372 | 688 | 22.78 | 24.5 | 1.486 | 0.15  | 0.307 | 0.456        |
|     | LTE Band 71 | 20MHz/1RB  | Right Tilt  | 133372 | 688 | 24.09 | 24.5 | 1.099 | 0.07  | 0.375 | 0.412        |
|     | LTE Band 71 | 20MHz/50RB | Right Tilt  | 133372 | 688 | 22.78 | 24.5 | 1.486 | 0.12  | 0.244 | 0.363        |



## &lt;WIFI&gt;

| Plot No. | Band       | Mode           | Test Position | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR <sub>1g</sub> (W/kg) | Reported SAR <sub>1g</sub> (W/kg) |
|----------|------------|----------------|---------------|-----|-------------|---------------------|---------------------|----------------|------------------|-----------------------------------|-----------------------------------|
| #14      | WIFI2.4GHz | 802.11g        | Left Cheek    | 1   | 2412        | 17.33               | 17.5                | 1.040          | -0.08            | 0.337                             | <b>0.350</b>                      |
|          | WIFI2.4GHz | 802.11g        | Left Tilt     | 1   | 2412        | 17.33               | 17.5                | 1.040          | -0.01            | 0.285                             | 0.296                             |
|          | WIFI2.4GHz | 802.11g        | Right Cheek   | 1   | 2412        | 17.33               | 17.5                | 1.040          | -0.05            | 0.308                             | 0.320                             |
|          | WIFI2.4GHz | 802.11g        | Right Tilt    | 1   | 2412        | 17.33               | 17.5                | 1.040          | -0.05            | 0.264                             | 0.275                             |
| #15      | WIFI5.2GHz | 802.11ac(HT20) | Left Cheek    | 36  | 5180        | 15.62               | 16.0                | 1.091          | -0.13            | 0.275                             | <b>0.300</b>                      |
|          | WIFI5.2GHz | 802.11ac(HT20) | Left Tilt     | 36  | 5180        | 15.62               | 16.0                | 1.091          | 0.07             | 0.232                             | 0.253                             |
|          | WIFI5.2GHz | 802.11ac(HT20) | Right Cheek   | 36  | 5180        | 15.62               | 16.0                | 1.091          | 0.05             | 0.263                             | 0.287                             |
|          | WIFI5.2GHz | 802.11ac(HT20) | Right Tilt    | 36  | 5180        | 15.62               | 16.0                | 1.091          | -0.13            | 0.220                             | 0.240                             |
| #16      | WIFI5.3GHz | 802.11ac(HT80) | Left Cheek    | 58  | 5290        | 13.57               | 14.0                | 1.104          | -0.08            | 0.182                             | <b>0.201</b>                      |
|          | WIFI5.3GHz | 802.11ac(HT80) | Left Tilt     | 58  | 5290        | 13.57               | 14.0                | 1.104          | 0.07             | 0.133                             | 0.147                             |
|          | WIFI5.3GHz | 802.11ac(HT80) | Right Cheek   | 58  | 5290        | 13.57               | 14.0                | 1.104          | 0.05             | 0.173                             | 0.191                             |
|          | WIFI5.3GHz | 802.11ac(HT80) | Right Tilt    | 58  | 5290        | 13.57               | 14.0                | 1.104          | 0.12             | 0.114                             | 0.126                             |
| #17      | WIFI5.8GHz | 802.11ac(HT20) | Left Cheek    | 165 | 5825        | 17.54               | 18.0                | 1.112          | 0.14             | 0.233                             | <b>0.259</b>                      |
|          | WIFI5.8GHz | 802.11ac(HT20) | Left Tilt     | 165 | 5825        | 17.54               | 18.0                | 1.112          | 0.07             | 0.143                             | 0.159                             |
|          | WIFI5.8GHz | 802.11ac(HT20) | Right Cheek   | 165 | 5825        | 17.54               | 18.0                | 1.112          | -0.11            | 0.219                             | 0.243                             |
|          | WIFI5.8GHz | 802.11ac(HT20) | Right Tilt    | 165 | 5825        | 17.54               | 18.0                | 1.112          | -0.17            | 0.132                             | 0.147                             |

Note:

1. Per KDB 865664 D01V01,for each frequency band ,repeated SAR measurement is required only when the measured SAR is $\geq 0.8$ W/Kg.
2. Per KDB 865664 D01V01,if the ratio of largest to smallest SAR for the original and first repeated measurement is $\leq 1.2$ and the measured SAR $< 1.45$ W/Kg, only one repeated measurement is



required.

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  $\geq$

1.45W/Kg

4. The ratio is the difference in percentage between original and repeated measured SAR.



## 12.2. Body-worn and Hotspot SAR Results

## &lt;GSM&gt;

| Plot No. | Band    | Mode             | Test Position | Gap (mm) | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR <sub>1g</sub> (W/kg) | Reported SAR <sub>1g</sub> (W/kg) |
|----------|---------|------------------|---------------|----------|-----|-------------|---------------------|---------------------|----------------|------------------|-----------------------------------|-----------------------------------|
|          | GSM850  | GPRS(4 Tx slots) | Front         | 10       | 251 | 848.6       | 26.40               | 26.50               | 1.023          | 0.11             | 0.349                             | 0.357                             |
| #18      | GSM850  | GPRS(4 Tx slots) | Back          | 10       | 251 | 848.6       | 26.40               | 26.50               | 1.023          | 0.12             | 0.493                             | <b>0.504</b>                      |
|          | GSM850  | GPRS(4 Tx slots) | Left Side     | 10       | 251 | 848.6       | 26.40               | 26.50               | 1.023          | -0.15            | 0.344                             | 0.352                             |
|          | GSM850  | GPRS(4 Tx slots) | Right Side    | 10       | 251 | 848.6       | 26.40               | 26.50               | 1.023          | -0.02            | 0.317                             | 0.324                             |
|          | GSM850  | GPRS(4 Tx slots) | Top Side      | 10       | 251 | 848.6       | 26.40               | 26.50               | 1.023          | N/A              | N/A                               | N/A                               |
|          | GSM850  | GPRS(4 Tx slots) | Bottom Side   | 10       | 251 | 848.6       | 26.40               | 26.50               | 1.023          | 0.14             | 0.451                             | 0.462                             |
|          | PCS1900 | GPRS(4 Tx slots) | Front         | 10       | 512 | 1850.2      | 23.44               | 24.00               | 1.138          | 0.07             | 0.373                             | 0.424                             |
| #19      | PCS1900 | GPRS(4 Tx slots) | Back          | 10       | 512 | 1850.2      | 23.44               | 24.00               | 1.138          | 0.04             | 0.525                             | <b>0.597</b>                      |
|          | PCS1900 | GPRS(4 Tx slots) | Left Side     | 10       | 512 | 1850.2      | 23.44               | 24.00               | 1.138          | 0.12             | 0.351                             | 0.399                             |
|          | PCS1900 | GPRS(4 Tx slots) | Right Side    | 10       | 512 | 1850.2      | 23.44               | 24.00               | 1.138          | 0.15             | 0.422                             | 0.480                             |
|          | PCS1900 | GPRS(4 Tx slots) | Top Side      | 10       | 512 | 1850.2      | 23.44               | 24.00               | 1.138          | N/A              | N/A                               | N/A                               |
|          | PCS1900 | GPRS(4 Tx slots) | Bottom Side   | 10       | 512 | 1850.2      | 23.44               | 24.00               | 1.138          | -0.09            | 0.513                             | 0.584                             |



## &lt;WCDMA&gt;

| Plot No. | Band          | Mode      | Test Position | Gap (mm) | Ch.  | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR <sub>1g</sub> (W/kg) | Reported SAR <sub>1g</sub> (W/kg) |
|----------|---------------|-----------|---------------|----------|------|-------------|---------------------|---------------------|----------------|------------------|-----------------------------------|-----------------------------------|
|          | WCDMA Band II | RMC 12.2K | Front         | 10       | 9262 | 1852.4      | 22.92               | 23.00               | 1.019          | -0.05            | 0.247                             | 0.252                             |
| #20      | WCDMA Band II | RMC 12.2K | Back          | 10       | 9262 | 1852.4      | 22.92               | 23.00               | 1.019          | 0.12             | 0.413                             | <b>0.421</b>                      |
|          | WCDMA Band II | RMC 12.2K | Left Side     | 10       | 9262 | 1852.4      | 22.92               | 23.00               | 1.019          | -0.13            | 0.276                             | 0.281                             |
|          | WCDMA Band II | RMC 12.2K | Right Side    | 10       | 9262 | 1852.4      | 22.92               | 23.00               | 1.019          | -0.11            | 0.361                             | 0.368                             |
|          | WCDMA Band II | RMC 12.2K | Top Side      | 10       | 9262 | 1852.4      | 22.92               | 23.00               | 1.019          | N/A              | N/A                               | N/A                               |
|          | WCDMA Band II | RMC 12.2K | Bottom Side   | 10       | 9262 | 1852.4      | 22.92               | 23.00               | 1.019          | 0.06             | 0.405                             | 0.413                             |
|          | WCDMA Band V  | RMC 12.2K | Front         | 10       | 4132 | 826.4       | 23.61               | 24.00               | 1.094          | -0.13            | 0.326                             | 0.357                             |
| #21      | WCDMA Band V  | RMC 12.2K | Back          | 10       | 4132 | 826.4       | 23.61               | 24.00               | 1.094          | -0.09            | 0.519                             | <b>0.568</b>                      |
|          | WCDMA Band V  | RMC 12.2K | Left Side     | 10       | 4132 | 826.4       | 23.61               | 24.00               | 1.094          | -0.04            | 0.344                             | 0.376                             |
|          | WCDMA Band V  | RMC 12.2K | Right Side    | 10       | 4132 | 826.4       | 23.61               | 24.00               | 1.094          | -0.12            | 0.381                             | 0.417                             |
|          | WCDMA Band V  | RMC 12.2K | Top Side      | 10       | 4132 | 826.4       | 23.61               | 24.00               | 1.094          | N/A              | N/A                               | N/A                               |
|          | WCDMA Band V  | RMC 12.2K | Bottom Side   | 10       | 4132 | 826.4       | 23.61               | 24.00               | 1.094          | -0.18            | 0.487                             | 0.533                             |
|          | WCDMA Band IV | RMC 12.2K | Front         | 10       | 1513 | 1752.6      | 22.75               | 23.00               | 1.059          | 0.13             | 0.405                             | 0.429                             |
| #22      | WCDMA Band IV | RMC 12.2K | Back          | 10       | 1513 | 1752.6      | 22.75               | 23.00               | 1.059          | 0.07             | 0.574                             | <b>0.608</b>                      |
|          | WCDMA Band IV | RMC 12.2K | Left Side     | 10       | 1513 | 1752.6      | 22.75               | 23.00               | 1.059          | -0.14            | 0.391                             | 0.414                             |
|          | WCDMA Band IV | RMC 12.2K | Right Side    | 10       | 1513 | 1752.6      | 22.75               | 23.00               | 1.059          | -0.10            | 0.466                             | 0.494                             |
|          | WCDMA Band IV | RMC 12.2K | Top Side      | 10       | 1513 | 1752.6      | 22.75               | 23.00               | 1.059          | N/A              | N/A                               | N/A                               |



|  |                  |              |                |    |      |        |       |       |       |      |       |       |
|--|------------------|--------------|----------------|----|------|--------|-------|-------|-------|------|-------|-------|
|  | WCDMA<br>Band IV | RMC<br>12.2K | Bottom<br>Side | 10 | 1513 | 1752.6 | 22.75 | 23.00 | 1.059 | 0.08 | 0.549 | 0.582 |
|--|------------------|--------------|----------------|----|------|--------|-------|-------|-------|------|-------|-------|

## &lt;LTE&gt;

| Plot No. | Band        | Mode       | Test Position | Gap (mm) | Ch.   | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR <sub>1g</sub> (W/kg) | Reported SAR <sub>1g</sub> (W/kg) |
|----------|-------------|------------|---------------|----------|-------|-------------|---------------------|---------------------|----------------|------------------|-----------------------------------|-----------------------------------|
|          | LTE Band 7  | 20MHz/1RB  | Front         | 10       | 20850 | 2510        | 22.07               | 22.5                | 1.104          | -0.13            | 0.305                             | 0.337                             |
|          | LTE Band 7  | 20MHz/50RB | Front         | 10       | 20850 | 2510        | 21.55               | 22.5                | 1.245          | -0.05            | 0.224                             | 0.279                             |
| #23      | LTE Band 7  | 20MHz/1RB  | Back          | 10       | 20850 | 2510        | 22.07               | 22.5                | 1.104          | 0.11             | 0.468                             | <b>0.517</b>                      |
|          | LTE Band 7  | 20MHz/50RB | Back          | 10       | 20850 | 2510        | 21.55               | 22.5                | 1.245          | 0.12             | 0.331                             | 0.412                             |
|          | LTE Band 7  | 20MHz/1RB  | Left Side     | 10       | 20850 | 2510        | 22.07               | 22.5                | 1.104          | -0.08            | 0.217                             | 0.240                             |
|          | LTE Band 7  | 20MHz/50RB | Left Side     | 10       | 20850 | 2510        | 21.55               | 22.5                | 1.245          | -0.13            | 0.133                             | 0.166                             |
|          | LTE Band 7  | 20MHz/1RB  | Right Side    | 10       | 20850 | 2510        | 22.07               | 22.5                | 1.104          | 0.05             | 0.306                             | 0.338                             |
|          | LTE Band 7  | 20MHz/50RB | Right Side    | 10       | 20850 | 2510        | 21.55               | 22.5                | 1.245          | 0.03             | 0.219                             | 0.273                             |
|          | LTE Band 7  | 20MHz/1RB  | Top Side      | 10       | 20850 | 2510        | 22.07               | 22.5                | 1.104          | N/A              | N/A                               | N/A                               |
|          | LTE Band 7  | 20MHz/50RB | Top Side      | 10       | 20850 | 2510        | 21.55               | 22.5                | 1.245          | N/A              | N/A                               | N/A                               |
|          | LTE Band 7  | 20MHz/1RB  | Bottom Side   | 10       | 20850 | 2510        | 22.07               | 22.5                | 1.104          | 0.09             | 0.442                             | 0.488                             |
|          | LTE Band 7  | 20MHz/50RB | Bottom Side   | 10       | 20850 | 2510        | 21.55               | 22.5                | 1.245          | 0.15             | 0.313                             | 0.390                             |
|          | LTE Band 12 | 10MHz/1RB  | Front         | 10       | 23060 | 704         | 24.04               | 24.5                | 1.112          | -0.18            | 0.415                             | 0.461                             |
|          | LTE Band 12 | 10MHz/50RB | Front         | 10       | 23060 | 704         | 23.09               | 24.5                | 1.384          | -0.13            | 0.238                             | 0.329                             |
| #24      | LTE Band 12 | 10MHz/1RB  | Back          | 10       | 23060 | 704         | 24.04               | 24.5                | 1.112          | 0.11             | 0.552                             | <b>0.614</b>                      |
|          | LTE Band 12 | 10MHz/50RB | Back          | 10       | 23060 | 704         | 23.09               | 24.5                | 1.384          | 0.04             | 0.377                             | 0.522                             |
|          | LTE Band 12 | 10MHz/1RB  | Left Side     | 10       | 23060 | 704         | 24.04               | 24.5                | 1.112          | -0.15            | 0.326                             | 0.362                             |
|          | LTE Band 12 | 10MHz/50RB | Left Side     | 10       | 23060 | 704         | 23.09               | 24.5                | 1.384          | -0.06            | 0.242                             | 0.335                             |
|          | LTE Band 12 | 10MHz/1RB  | Right Side    | 10       | 23060 | 704         | 24.04               | 24.5                | 1.112          | -0.07            | 0.429                             | 0.477                             |
|          | LTE Band 12 | 10MHz/50RB | Right Side    | 10       | 23060 | 704         | 23.09               | 24.5                | 1.384          | -0.17            | 0.325                             | 0.450                             |
|          | LTE Band 12 | 10MHz/1RB  | Top Side      | 10       | 23060 | 704         | 24.04               | 24.5                | 1.112          | N/A              | N/A                               | N/A                               |
|          | LTE Band 12 | 10MHz/50RB | Top Side      | 10       | 23060 | 704         | 23.09               | 24.5                | 1.384          | N/A              | N/A                               | N/A                               |
|          | LTE Band 12 | 10MHz/1RB  | Bottom Side   | 10       | 23060 | 704         | 24.04               | 24.5                | 1.112          | 0.16             | 0.529                             | 0.588                             |
|          | LTE Band 12 | 10MHz/50RB | Bottom Side   | 10       | 23060 | 704         | 23.09               | 24.5                | 1.384          | 0.08             | 0.375                             | 0.519                             |



|     |             |            |             |    |       |       |       |      |       |       |       |              |
|-----|-------------|------------|-------------|----|-------|-------|-------|------|-------|-------|-------|--------------|
|     | LTE Band 13 | 10MHz/1RB  | Front       | 10 | 23230 | 782   | 23.61 | 24.0 | 1.094 | -0.13 | 0.375 | 0.410        |
|     | LTE Band 13 | 10MHz/50RB | Front       | 10 | 23230 | 782   | 22.84 | 24.0 | 1.306 | -0.12 | 0.206 | 0.269        |
| #25 | LTE Band 13 | 10MHz/1RB  | Back        | 10 | 23230 | 782   | 23.61 | 24.0 | 1.094 | 0.15  | 0.496 | <b>0.543</b> |
|     | LTE Band 13 | 10MHz/50RB | Back        | 10 | 23230 | 782   | 22.84 | 24.0 | 1.306 | -0.02 | 0.357 | 0.466        |
|     | LTE Band 13 | 10MHz/1RB  | Left Side   | 10 | 23230 | 782   | 23.61 | 24.0 | 1.094 | -0.06 | 0.242 | 0.265        |
|     | LTE Band 13 | 10MHz/50RB | Left Side   | 10 | 23230 | 782   | 22.84 | 24.0 | 1.306 | -0.15 | 0.130 | 0.170        |
|     | LTE Band 13 | 10MHz/1RB  | Right Side  | 10 | 23230 | 782   | 23.61 | 24.0 | 1.094 | -0.14 | 0.288 | 0.315        |
|     | LTE Band 13 | 10MHz/50RB | Right Side  | 10 | 23230 | 782   | 22.84 | 24.0 | 1.306 | -0.05 | 0.146 | 0.191        |
|     | LTE Band 13 | 10MHz/1RB  | Top Side    | 10 | 23230 | 782   | 23.61 | 24.0 | 1.094 | N/A   | N/A   | N/A          |
|     | LTE Band 13 | 10MHz/50RB | Top Side    | 10 | 23230 | 782   | 22.84 | 24.0 | 1.306 | N/A   | N/A   | N/A          |
|     | LTE Band 13 | 10MHz/1RB  | Bottom Side | 10 | 23230 | 782   | 23.61 | 24.0 | 1.094 | 0.16  | 0.465 | 0.509        |
|     | LTE Band 13 | 10MHz/50RB | Bottom Side | 10 | 23230 | 782   | 22.84 | 24.0 | 1.306 | 0.11  | 0.329 | 0.430        |
|     | LTE Band 25 | 20MHz/1RB  | Front       | 10 | 26140 | 1860  | 23.23 | 23.5 | 1.064 | 0.15  | 0.393 | 0.418        |
|     | LTE Band 25 | 20MHz/50RB | Front       | 10 | 26140 | 1860  | 22.09 | 23.5 | 1.384 | 0.16  | 0.246 | 0.340        |
| #26 | LTE Band 25 | 20MHz/1RB  | Back        | 10 | 26140 | 1860  | 23.23 | 23.5 | 1.064 | 0.13  | 0.533 | <b>0.567</b> |
|     | LTE Band 25 | 20MHz/50RB | Back        | 10 | 26140 | 1860  | 22.09 | 23.5 | 1.384 | 0.10  | 0.376 | 0.520        |
|     | LTE Band 25 | 20MHz/1RB  | Left Side   | 10 | 26140 | 1860  | 23.23 | 23.5 | 1.064 | -0.08 | 0.277 | 0.295        |
|     | LTE Band 25 | 20MHz/50RB | Left Side   | 10 | 26140 | 1860  | 22.09 | 23.5 | 1.384 | -0.05 | 0.162 | 0.224        |
|     | LTE Band 25 | 20MHz/1RB  | Right Side  | 10 | 26140 | 1860  | 23.23 | 23.5 | 1.064 | -0.08 | 0.382 | 0.407        |
|     | LTE Band 25 | 20MHz/50RB | Right Side  | 10 | 26140 | 1860  | 22.09 | 23.5 | 1.384 | -0.06 | 0.261 | 0.361        |
|     | LTE Band 25 | 20MHz/1RB  | Top Side    | 10 | 26140 | 1860  | 23.23 | 23.5 | 1.064 | N/A   | N/A   | N/A          |
|     | LTE Band 25 | 20MHz/50RB | Top Side    | 10 | 26140 | 1860  | 22.09 | 23.5 | 1.384 | N/A   | N/A   | N/A          |
|     | LTE Band 25 | 20MHz/1RB  | Bottom Side | 10 | 26140 | 1860  | 23.23 | 23.5 | 1.064 | -0.07 | 0.507 | 0.540        |
|     | LTE Band 25 | 20MHz/50RB | Bottom Side | 10 | 26140 | 1860  | 22.09 | 23.5 | 1.384 | -0.14 | 0.346 | 0.479        |
|     | LTE Band 26 | 20MHz/1RB  | Front       | 10 | 26765 | 821.5 | 23.94 | 24.5 | 1.138 | 0.13  | 0.388 | 0.441        |
|     | LTE Band 26 | 20MHz/50RB | Front       | 10 | 26765 | 836.5 | 22.99 | 24.5 | 1.416 | -0.11 | 0.214 | 0.303        |
| #27 | LTE Band 26 | 20MHz/1RB  | Back        | 10 | 26765 | 821.5 | 23.94 | 24.5 | 1.138 | 0.12  | 0.548 | <b>0.623</b> |
|     | LTE Band 26 | 20MHz/50RB | Back        | 10 | 26765 | 836.5 | 22.99 | 24.5 | 1.416 | 0.05  | 0.372 | 0.527        |
|     | LTE Band 26 | 20MHz/1RB  | Left Side   | 10 | 26765 | 821.5 | 23.94 | 24.5 | 1.138 | -0.06 | 0.337 | 0.383        |
|     | LTE Band 26 | 20MHz/50RB | Left Side   | 10 | 26765 | 836.5 | 22.99 | 24.5 | 1.416 | 0.05  | 0.190 | 0.269        |
|     | LTE Band 26 | 20MHz/1RB  | Right Side  | 10 | 26765 | 821.5 | 23.94 | 24.5 | 1.138 | 0.02  | 0.341 | 0.388        |



|     |             |            |             |    |            |       |       |      |       |       |       |              |
|-----|-------------|------------|-------------|----|------------|-------|-------|------|-------|-------|-------|--------------|
|     | LTE Band 26 | 20MHz/50RB | Right Side  | 10 | 26765      | 836.5 | 22.99 | 24.5 | 1.416 | 0.08  | 0.182 | 0.258        |
|     | LTE Band 26 | 20MHz/1RB  | Top Side    | 10 | 26765      | 821.5 | 23.94 | 24.5 | 1.138 | N/A   | N/A   | N/A          |
|     | LTE Band 26 | 20MHz/50RB | Top Side    | 10 | 26765      | 836.5 | 22.99 | 24.5 | 1.416 | N/A   | N/A   | N/A          |
|     | LTE Band 26 | 20MHz/1RB  | Bottom Side | 10 | 26765      | 821.5 | 23.94 | 24.5 | 1.138 | 0.19  | 0.527 | 0.600        |
|     | LTE Band 26 | 20MHz/50RB | Bottom Side | 10 | 26765      | 836.5 | 22.99 | 24.5 | 1.416 | 0.07  | 0.386 | 0.546        |
|     | LTE Band 41 | 20MHz/1RB  | Front       | 10 | 41140      | 2645  | 23.01 | 23.5 | 1.119 | 0.10  | 0.361 | 0.404        |
|     | LTE Band 41 | 20MHz/50RB | Front       | 10 | 41140      | 2645  | 21.96 | 23.5 | 1.426 | 0.12  | 0.189 | 0.269        |
| #28 | LTE Band 41 | 20MHz/1RB  | Back        | 10 | 41140      | 2645  | 23.01 | 23.5 | 1.119 | -0.07 | 0.475 | <b>0.532</b> |
|     | LTE Band 41 | 20MHz/50RB | Back        | 10 | 41140      | 2645  | 21.96 | 23.5 | 1.426 | -0.02 | 0.332 | 0.473        |
|     | LTE Band 41 | 20MHz/1RB  | Left Side   | 10 | 41140      | 2645  | 23.01 | 23.5 | 1.119 | 0.06  | 0.283 | 0.317        |
|     | LTE Band 41 | 20MHz/50RB | Left Side   | 10 | 41140      | 2645  | 21.96 | 23.5 | 1.426 | 0.12  | 0.152 | 0.217        |
|     | LTE Band 41 | 20MHz/1RB  | Right Side  | 10 | 41140      | 2645  | 23.01 | 23.5 | 1.119 | -0.06 | 0.366 | 0.410        |
|     | LTE Band 41 | 20MHz/50RB | Right Side  | 10 | 41140      | 2645  | 21.96 | 23.5 | 1.426 | 0.03  | 0.193 | 0.275        |
|     | LTE Band 41 | 20MHz/1RB  | Top Side    | 10 | 41140      | 2645  | 23.01 | 23.5 | 1.119 | N/A   | N/A   | N/A          |
|     | LTE Band 41 | 20MHz/50RB | Top Side    | 10 | 41140      | 2645  | 21.96 | 23.5 | 1.426 | N/A   | N/A   | N/A          |
|     | LTE Band 41 | 20MHz/1RB  | Bottom Side | 10 | 41140      | 2645  | 23.01 | 23.5 | 1.119 | 0.08  | 0.413 | 0.462        |
|     | LTE Band 41 | 20MHz/50RB | Bottom Side | 10 | 41140      | 2645  | 21.96 | 23.5 | 1.426 | -0.04 | 0.275 | 0.392        |
|     | LTE Band 66 | 20MHz/1RB  | Front       | 10 | 13207<br>2 | 1720  | 22.72 | 23.5 | 1.197 | 0.13  | 0.489 | 0.585        |
|     | LTE Band 66 | 20MHz/50RB | Front       | 10 | 13207<br>2 | 1720  | 21.87 | 23.5 | 1.455 | 0.12  | 0.352 | 0.512        |
| #29 | LTE Band 66 | 20MHz/1RB  | Back        | 10 | 13207<br>2 | 1720  | 22.72 | 23.5 | 1.197 | 0.12  | 0.485 | <b>0.580</b> |
|     | LTE Band 66 | 20MHz/50RB | Back        | 10 | 13207<br>2 | 1720  | 21.87 | 23.5 | 1.455 | 0.02  | 0.357 | 0.520        |
|     | LTE Band 66 | 20MHz/1RB  | Left Side   | 10 | 13207<br>2 | 1720  | 22.72 | 23.5 | 1.197 | 0.08  | 0.386 | 0.462        |
|     | LTE Band 66 | 20MHz/50RB | Left Side   | 10 | 13207<br>2 | 1720  | 21.87 | 23.5 | 1.455 | -0.12 | 0.275 | 0.400        |
|     | LTE Band 66 | 20MHz/1RB  | Right Side  | 10 | 13207<br>2 | 1720  | 22.72 | 23.5 | 1.197 | -0.06 | 0.419 | 0.501        |
|     | LTE Band 66 | 20MHz/50RB | Right Side  | 10 | 13207<br>2 | 1720  | 21.87 | 23.5 | 1.455 | 0.18  | 0.317 | 0.461        |



|     |             |            |             |    |            |      |       |      |       |       |       |              |
|-----|-------------|------------|-------------|----|------------|------|-------|------|-------|-------|-------|--------------|
|     | LTE Band 66 | 20MHz/1RB  | Top Side    | 10 | 13207<br>2 | 1720 | 22.72 | 23.5 | 1.197 | N/A   | N/A   | N/A          |
|     | LTE Band 66 | 20MHz/50RB | Top Side    | 10 | 13207<br>2 | 1720 | 21.87 | 23.5 | 1.455 | N/A   | N/A   | N/A          |
|     | LTE Band 66 | 20MHz/1RB  | Bottom Side | 10 | 13207<br>2 | 1720 | 22.72 | 23.5 | 1.197 | 0.17  | 0.435 | 0.521        |
|     | LTE Band 66 | 20MHz/50RB | Bottom Side | 10 | 13207<br>2 | 1720 | 21.87 | 23.5 | 1.455 | -0.08 | 0.304 | 0.442        |
|     | LTE Band 71 | 20MHz/1RB  | Front       | 10 | 13337<br>2 | 688  | 24.09 | 24.5 | 1.099 | 0.07  | 0.223 | 0.245        |
|     | LTE Band 71 | 20MHz/50RB | Front       | 10 | 13337<br>2 | 688  | 22.78 | 24.5 | 1.486 | 0.06  | 0.105 | 0.156        |
| #30 | LTE Band 71 | 20MHz/1RB  | Back        | 10 | 13337<br>2 | 688  | 24.09 | 24.5 | 1.099 | -0.15 | 0.413 | <b>0.454</b> |
|     | LTE Band 71 | 20MHz/50RB | Back        | 10 | 13337<br>2 | 688  | 22.78 | 24.5 | 1.486 | -0.06 | 0.237 | 0.352        |
|     | LTE Band 71 | 20MHz/1RB  | Left Side   | 10 | 13337<br>2 | 688  | 24.09 | 24.5 | 1.099 | -0.08 | 0.233 | 0.256        |
|     | LTE Band 71 | 20MHz/50RB | Left Side   | 10 | 13337<br>2 | 688  | 22.78 | 24.5 | 1.486 | -0.13 | 0.119 | 0.177        |
|     | LTE Band 71 | 20MHz/1RB  | Right Side  | 10 | 13337<br>2 | 688  | 24.09 | 24.5 | 1.099 | -0.02 | 0.285 | 0.313        |
|     | LTE Band 71 | 20MHz/50RB | Right Side  | 10 | 13337<br>2 | 688  | 22.78 | 24.5 | 1.486 | 0.13  | 0.138 | 0.205        |
|     | LTE Band 71 | 20MHz/1RB  | Top Side    | 10 | 13337<br>2 | 688  | 24.09 | 24.5 | 1.099 | N/A   | N/A   | N/A          |
|     | LTE Band 71 | 20MHz/50RB | Top Side    | 10 | 13337<br>2 | 688  | 22.78 | 24.5 | 1.486 | N/A   | N/A   | N/A          |
|     | LTE Band 71 | 20MHz/1RB  | Bottom Side | 10 | 13337<br>2 | 688  | 24.09 | 24.5 | 1.099 | -0.07 | 0.386 | 0.424        |
|     | LTE Band 71 | 20MHz/50RB | Bottom Side | 10 | 13337<br>2 | 688  | 22.78 | 24.5 | 1.486 | -0.06 | 0.241 | 0.358        |



## &lt;WIFI 2.4GHz&gt;

| Plot No. | Band       | Mode           | Test Position | Gap (mm) | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR <sub>1g</sub> (W/kg) | Reported SAR <sub>1g</sub> (W/kg) |
|----------|------------|----------------|---------------|----------|-----|-------------|---------------------|---------------------|----------------|------------------|-----------------------------------|-----------------------------------|
|          | WIFI2.4GHz | 802.11g        | Front         | 10       | 1   | 2412        | 17.33               | 17.5                | 1.040          | 0.05             | 0.207                             | 0.215                             |
| #31      | WIFI2.4GHz | 802.11g        | Back          | 10       | 1   | 2412        | 17.33               | 17.5                | 1.040          | -0.07            | 0.318                             | <b>0.331</b>                      |
|          | WIFI2.4GHz | 802.11g        | Left Side     | 10       | 1   | 2412        | 17.33               | 17.5                | 1.040          | N/A              | N/A                               | N/A                               |
|          | WIFI2.4GHz | 802.11g        | Right Side    | 10       | 1   | 2412        | 17.33               | 17.5                | 1.040          | 0.13             | 0.257                             | 0.267                             |
|          | WIFI2.4GHz | 802.11g        | Top Side      | 10       | 1   | 2412        | 17.33               | 17.5                | 1.040          | -0.15            | 0.294                             | 0.306                             |
|          | WIFI2.4GHz | 802.11g        | Bottom Side   | 10       | 1   | 2412        | 17.33               | 17.5                | 1.040          | N/A              | N/A                               | N/A                               |
|          | WIFI5.2GHz | 802.11ac(HT20) | Front         | 10       | 36  | 5180        | 15.62               | 16.0                | 1.091          | -0.07            | 0.127                             | 0.139                             |
| #32      | WIFI5.2GHz | 802.11ac(HT20) | Back          | 10       | 36  | 5180        | 15.62               | 16.0                | 1.091          | -0.04            | 0.193                             | <b>0.211</b>                      |
|          | WIFI5.2GHz | 802.11ac(HT20) | Left Side     | 10       | 36  | 5180        | 15.62               | 16.0                | 1.091          | N/A              | N/A                               | N/A                               |
|          | WIFI5.2GHz | 802.11ac(HT20) | Right Side    | 10       | 36  | 5180        | 15.62               | 16.0                | 1.091          | 0.09             | 0.156                             | 0.170                             |
|          | WIFI5.2GHz | 802.11ac(HT20) | Top Side      | 10       | 36  | 5180        | 15.62               | 16.0                | 1.091          | 0.12             | 0.182                             | 0.199                             |
|          | WIFI5.2GHz | 802.11ac(HT20) | Bottom Side   | 10       | 36  | 5180        | 15.62               | 16.0                | 1.091          | N/A              | N/A                               | N/A                               |
|          | WIFI5.3GHz | 802.11ac(HT80) | Front         | 10       | 58  | 5290        | 13.57               | 14.0                | 1.104          | 0.05             | 0.073                             | 0.081                             |
| #33      | WIFI5.3GHz | 802.11ac(HT80) | Back          | 10       | 58  | 5290        | 13.57               | 14.0                | 1.104          | 0.12             | 0.132                             | <b>0.146</b>                      |
|          | WIFI5.3GHz | 802.11ac(HT80) | Left Side     | 10       | 58  | 5290        | 13.57               | 14.0                | 1.104          | N/A              | N/A                               | N/A                               |
|          | WIFI5.3GHz | 802.11ac(HT80) | Right Side    | 10       | 58  | 5290        | 13.57               | 14.0                | 1.104          | 0.13             | 0.103                             | 0.114                             |
|          | WIFI5.3GHz | 802.11ac(HT80) | Top Side      | 10       | 58  | 5290        | 13.57               | 14.0                | 1.104          | -0.15            | 0.122                             | 0.135                             |
|          | WIFI5.3GHz | 802.11ac(HT80) | Bottom Side   | 10       | 58  | 5290        | 13.57               | 14.0                | 1.104          | N/A              | N/A                               | N/A                               |
|          | WIFI5.8GHz | 802.11ac(HT20) | Front         | 10       | 165 | 5825        | 17.54               | 18.0                | 1.112          | 0.10             | 0.133                             | 0.148                             |
| #34      | WIFI5.8GHz | 802.11         | Back          | 10       | 165 | 5825        | 17.54               | 18.0                | 1.112          | 0.09             | 0.199                             | <b>0.221</b>                      |



|  |            |                    |                |    |     |      |       |      |       |       |       |       |
|--|------------|--------------------|----------------|----|-----|------|-------|------|-------|-------|-------|-------|
|  |            | ac(HT20)           |                |    |     |      |       |      |       |       |       |       |
|  | WIFI5.8GHz | 802.11<br>ac(HT20) | Left Side      | 10 | 165 | 5825 | 17.54 | 18.0 | 1.112 | N/A   | N/A   | N/A   |
|  | WIFI5.8GHz | 802.11<br>ac(HT20) | Right Side     | 10 | 165 | 5825 | 17.54 | 18.0 | 1.112 | -0.07 | 0.182 | 0.202 |
|  | WIFI5.8GHz | 802.11<br>ac(HT20) | Top Side       | 10 | 165 | 5825 | 17.54 | 18.0 | 1.112 | -0.16 | 0.188 | 0.209 |
|  | WIFI5.8GHz | 802.11<br>ac(HT20) | Bottom<br>Side | 10 | 165 | 5825 | 17.54 | 18.0 | 1.112 | N/A   | N/A   | N/A   |

## Note:

1. Per KDB 865664 D01V01,for each frequency band ,repeated SAR measurement is required only when the measured SAR is $\geq 0.8\text{W/Kg}$ .
2. Per KDB 865664 D01V01,if the ratio of largest to smallest SAR for the original and first repeated measurement is $\leq 1.2$ and the measured SAR $< 1.45\text{W/Kg}$ , only one repeated measurement is required.
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  $\geq 1.45\text{W/Kg}$
4. The ratio is the difference in percentage between original and repeated measured SAR.



### 13. Simultaneous Transmission Analysis

#### Simultaneous TX SAR Considerations

##### No. Applicable Simultaneous Transmission

1. GSM+WIFI 2.4G
2. WCDMA+WIFI 2.4G
3. LTE+WIFI 2.4G
4. GSM+BT
5. WCDMA+ BT
6. LTE+BT
7. GSM+WIFI 5G
8. WCDMA+ WIFI 5G
9. LTE+WIFI 5G

##### Note:

1. WIFI 2.4GHz, WIFI 5GHz and Bluetooth share the same antenna, and cannot transmit simultaneously.
2. EUT will choose either GSM/WCDMA/ LTE according to the network signal condition; therefore, GSM/WCDMA / LTE cannot transmit simultaneously.

#### Simultaneous Transmission Procedures

This device contains transmitters that may operate simultaneously. Therefore simultaneous transmission analysis is required. Per FCC KDB 447498 D01v05r02, simultaneous transmission SAR test exclusion may be applied when the sum of the 1-g SAR for all the simultaneous transmitting antennas in a specific a physical test configuration is  $\leq 1.6$  W/kg. When standalone SAR is not required to be measured, per FCC KDB 447498 D01v05r02 4.3.2.2), the following equation must be used to estimate the standalone 1g SAR and 10g extremity SAR for simultaneous transmission assessment involving that transmitter.

$$\text{Estimated SAR} = \frac{\sqrt{f(\text{GHz})}}{7.5(18.75)} \cdot \frac{\text{Max. power of channel, mW}}{\text{Min. Separation Distance, mm}}$$

| Location | Mode | Max. tune-up Power (dBm) | Test Distance (mm) | Estimated SAR (W/kg) |
|----------|------|--------------------------|--------------------|----------------------|
| Head     | BT   | 9.5                      | 0                  | 0.372                |
| Body     | BT   | 9.5                      | 10                 | 0.186                |

##### Note:

1. When the minimum *test separation distance* is  $< 5$  mm, a distance of 5 mm according is applied to determine estimated SAR.
2.  $(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm}) \cdot [\sqrt{f(\text{GHz})} / x]$  W/kg for test separation distances  $\leq 50$  mm; where  $x = 7.5$  for 1-g SAR, and  $x = 18.75$  for 10-g SAR.

Next to the mouth exposure requires 1-g SAR, and the wrist-worn condition requires 10-g extremity SAR.



### Evaluation of Simultaneous SAR

#### Simultaneous-Head

#### <GSM+2.4GWiFi>

| Test Position | WiFi SAR <sub>1-g</sub> (W/Kg) | GSM 850 1-g (W/Kg) | PCS 1900 1-g (W/Kg) | MAX. $\Sigma$ SAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|--------------------------------|--------------------|---------------------|-----------------------------------------|---------------------------------|-----------------------|
| Left Cheek    | <b>0.350</b>                   | 0.475              | 0.322               | <b>0.825</b>                            | 1.6                             | N/A                   |
| Left Tilt     | 0.296                          | 0.260              | 0.222               | 0.556                                   | 1.6                             | N/A                   |
| Right Cheek   | 0.320                          | <b>0.488</b>       | <b>0.359</b>        | 0.808                                   | 1.6                             | N/A                   |
| Right Tilt    | 0.275                          | 0.316              | 0.258               | 0.591                                   | 1.6                             | N/A                   |

#### <WCDMA+2.4GWiFi >

| Test Position | WiFi SAR <sub>1-g</sub> (W/Kg) | WCDMA Band 2 1-g (W/Kg) | WCDMA Band 4 1-g (W/Kg) | WCDMA Band 5 1-g (W/Kg) | MAX. $\Sigma$ SAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|--------------------------------|-------------------------|-------------------------|-------------------------|-----------------------------------------|---------------------------------|-----------------------|
| Left Cheek    | <b>0.350</b>                   | 0.268                   | 0.335                   | 0.382                   | <b>0.732</b>                            | 1.6                             | N/A                   |
| Left Tilt     | 0.296                          | 0.172                   | 0.197                   | 0.275                   | 0.571                                   | 1.6                             | N/A                   |
| Right Cheek   | 0.320                          | <b>0.286</b>            | <b>0.358</b>            | <b>0.398</b>            | 0.718                                   | 1.6                             | N/A                   |
| Right Tilt    | 0.275                          | 0.191                   | 0.231                   | 0.303                   | 0.578                                   | 1.6                             | N/A                   |



## &lt;LTE+2.4GWiFi&gt;

| Test Position | WiFi SAR <sub>1-g</sub> (W/Kg) | LTE BAND 7 <sub>1-g</sub> (W/Kg) | LTE BAND 12 <sub>1-g</sub> (W/Kg) | LTE BAND 13 <sub>1-g</sub> (W/Kg) | LTE BAND 25 <sub>1-g</sub> (W/Kg) | LTE BAND 26 <sub>1-g</sub> (W/Kg) | MAX. $\Sigma$ SAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|--------------------------------|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------------|---------------------------------|-----------------------|
| Left Cheek    | <b>0.350</b>                   | 0.484                            | 0.297                             | 0.290                             | 0.602                             | 0.361                             | <b>0.952</b>                            | 1.6                             | N/A                   |
| Left Tilt     | 0.296                          | 0.416                            | 0.252                             | 0.253                             | 0.469                             | 0.354                             | 0.765                                   | 1.6                             | N/A                   |
| Right Cheek   | 0.320                          | <b>0.572</b>                     | <b>0.325</b>                      | <b>0.296</b>                      | <b>0.624</b>                      | <b>0.390</b>                      | 0.944                                   | 1.6                             | N/A                   |
| Right Tilt    | 0.275                          | 0.485                            | 0.237                             | 0.269                             | 0.486                             | 0.379                             | 0.761                                   | 1.6                             | N/A                   |

| Test Position | WiFi SAR <sub>1-g</sub> (W/Kg) | LTE BAND 41 <sub>1-g</sub> (W/Kg) | LTE BAND 66 <sub>1-g</sub> (W/Kg) | LTE BAND 71 <sub>1-g</sub> (W/Kg) | MAX. $\Sigma$ SAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|--------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------------|---------------------------------|-----------------------|
| Left Cheek    | <b>0.350</b>                   | 0.272                             | 0.438                             | 0.485                             | <b>0.835</b>                            | 1.6                             | N/A                   |
| Left Tilt     | 0.296                          | 0.196                             | 0.336                             | 0.387                             | 0.683                                   | 1.6                             | N/A                   |
| Right Cheek   | 0.320                          | <b>0.297</b>                      | <b>0.464</b>                      | <b>0.509</b>                      | 0.829                                   | 1.6                             | N/A                   |
| Right Tilt    | 0.275                          | 0.208                             | 0.378                             | 0.412                             | 0.687                                   | 1.6                             | N/A                   |



## &lt;GSM+BT&gt;

| Test Position | BT SAR <sub>1-g</sub> (W/Kg) | GSM 850 1-g (W/Kg) | PCS 1900 1-g (W/Kg) | MAX. $\Sigma$ SAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|------------------------------|--------------------|---------------------|-----------------------------------------|---------------------------------|-----------------------|
| Left Cheek    | 0.372                        | 0.475              | 0.322               | 0.847                                   | 1.6                             | N/A                   |
| Left Tilt     | 0.372                        | 0.260              | 0.222               | 0.632                                   | 1.6                             | N/A                   |
| Right Cheek   | 0.372                        | <b>0.488</b>       | <b>0.359</b>        | <b>0.860</b>                            | 1.6                             | N/A                   |
| Right Tilt    | 0.372                        | 0.316              | 0.258               | 0.688                                   | 1.6                             | N/A                   |

## &lt;WCDMA+BT &gt;

| Test Position | BT SAR <sub>1-g</sub> (W/Kg) | WCDMA Band 2 1-g (W/Kg) | WCDMA Band 4 1-g (W/Kg) | WCDMA Band 5 1-g (W/Kg) | MAX. $\Sigma$ SAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|------------------------------|-------------------------|-------------------------|-------------------------|-----------------------------------------|---------------------------------|-----------------------|
| Left Cheek    | 0.372                        | 0.268                   | 0.335                   | 0.382                   | 0.754                                   | 1.6                             | N/A                   |
| Left Tilt     | 0.372                        | 0.172                   | 0.197                   | 0.275                   | 0.647                                   | 1.6                             | N/A                   |
| Right Cheek   | 0.372                        | <b>0.286</b>            | <b>0.358</b>            | <b>0.398</b>            | <b>0.770</b>                            | 1.6                             | N/A                   |
| Right Tilt    | 0.372                        | 0.191                   | 0.231                   | 0.303                   | 0.675                                   | 1.6                             | N/A                   |



&lt;LTE+BT &gt;

| Test Position | BT SAR <sub>1-g</sub> (W/Kg) | LTE BAND 7 <sub>1-g</sub> (W/Kg) | LTE BAND 12 <sub>1-g</sub> (W/Kg) | LTE BAND 13 <sub>1-g</sub> (W/Kg) | LTE BAND 25 <sub>1-g</sub> (W/Kg) | LTE BAND 26 <sub>1-g</sub> (W/Kg) | MAX. $\Sigma$ SAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|------------------------------|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------------|---------------------------------|-----------------------|
| Left Cheek    | 0.372                        | 0.484                            | 0.297                             | 0.290                             | 0.602                             | 0.361                             | 0.974                                   | 1.6                             | N/A                   |
| Left Tilt     | 0.372                        | 0.416                            | 0.252                             | 0.253                             | 0.469                             | 0.354                             | 0.841                                   | 1.6                             | N/A                   |
| Right Cheek   | 0.372                        | <b>0.572</b>                     | <b>0.325</b>                      | <b>0.296</b>                      | <b>0.624</b>                      | <b>0.390</b>                      | <b>0.996</b>                            | 1.6                             | N/A                   |
| Right Tilt    | 0.372                        | 0.485                            | 0.237                             | 0.269                             | 0.486                             | 0.379                             | 0.858                                   | 1.6                             | N/A                   |

| Test Position | BT SAR <sub>1-g</sub> (W/Kg) | LTE BAND 41 <sub>1-g</sub> (W/Kg) | LTE BAND 66 <sub>1-g</sub> (W/Kg) | LTE BAND 71 <sub>1-g</sub> (W/Kg) | MAX. $\Sigma$ SAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------------|---------------------------------|-----------------------|
| Left Cheek    | 0.372                        | 0.272                             | 0.438                             | 0.485                             | 0.857                                   | 1.6                             | N/A                   |
| Left Tilt     | 0.372                        | 0.196                             | 0.336                             | 0.387                             | 0.759                                   | 1.6                             | N/A                   |
| Right Cheek   | 0.372                        | <b>0.297</b>                      | <b>0.464</b>                      | <b>0.509</b>                      | <b>0.881</b>                            | 1.6                             | N/A                   |
| Right Tilt    | 0.372                        | 0.208                             | 0.378                             | 0.412                             | 0.784                                   | 1.6                             | N/A                   |



## &lt;GSM+5GWiFi&gt;

| Test Position | WiFi SAR <sub>1-g</sub> (W/Kg) | GSM 850 1-g (W/Kg) | PCS 1900 1-g (W/Kg) | MAX. $\Sigma$ SAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|--------------------------------|--------------------|---------------------|-----------------------------------------|---------------------------------|-----------------------|
| Left Cheek    | <b>0.300</b>                   | 0.475              | 0.322               | 0.775                                   | 1.6                             | N/A                   |
| Left Tilt     | 0.253                          | 0.260              | 0.222               | 0.513                                   | 1.6                             | N/A                   |
| Right Cheek   | 0.287                          | <b>0.488</b>       | <b>0.359</b>        | 0.775                                   | 1.6                             | N/A                   |
| Right Tilt    | 0.240                          | 0.316              | 0.258               | 0.556                                   | 1.6                             | N/A                   |

## &lt;WCDMA+5GWiFi &gt;

| Test Position | WiFi SAR <sub>1-g</sub> (W/Kg) | WCDMA Band 2 1-g (W/Kg) | WCDMA Band 4 1-g (W/Kg) | WCDMA Band 5 1-g (W/Kg) | MAX. $\Sigma$ SAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|--------------------------------|-------------------------|-------------------------|-------------------------|-----------------------------------------|---------------------------------|-----------------------|
| Left Cheek    | <b>0.300</b>                   | 0.268                   | 0.335                   | 0.382                   | 0.682                                   | 1.6                             | N/A                   |
| Left Tilt     | 0.253                          | 0.172                   | 0.197                   | 0.275                   | 0.528                                   | 1.6                             | N/A                   |
| Right Cheek   | 0.287                          | <b>0.286</b>            | <b>0.358</b>            | <b>0.398</b>            | <b>0.685</b>                            | 1.6                             | N/A                   |
| Right Tilt    | 0.240                          | 0.191                   | 0.231                   | 0.303                   | 0.543                                   | 1.6                             | N/A                   |



&lt;LTE+5GWiFi &gt;

| Test Position | WiFi SAR <sub>1-g</sub> (W/Kg) | LTE BAND 7 <sub>1-g</sub> (W/Kg) | LTE BAND 12 <sub>1-g</sub> (W/Kg) | LTE BAND 13 <sub>1-g</sub> (W/Kg) | LTE BAND 25 <sub>1-g</sub> (W/Kg) | LTE BAND 26 <sub>1-g</sub> (W/Kg) | MAX. ΣSAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|--------------------------------|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------------------|---------------------------------|-----------------------|
| Left Cheek    | <b>0.300</b>                   | 0.484                            | 0.297                             | 0.290                             | 0.602                             | 0.361                             | 0.902                           | 1.6                             | N/A                   |
| Left Tilt     | 0.253                          | 0.416                            | 0.252                             | 0.253                             | 0.469                             | 0.354                             | 0.722                           | 1.6                             | N/A                   |
| Right Cheek   | 0.287                          | <b>0.572</b>                     | <b>0.325</b>                      | <b>0.296</b>                      | <b>0.624</b>                      | <b>0.390</b>                      | <b>0.911</b>                    | 1.6                             | N/A                   |
| Right Tilt    | 0.240                          | 0.485                            | 0.237                             | 0.269                             | 0.486                             | 0.379                             | 0.726                           | 1.6                             | N/A                   |

| Test Position | WiFi SAR <sub>1-g</sub> (W/Kg) | LTE BAND 41 <sub>1-g</sub> (W/Kg) | LTE BAND 66 <sub>1-g</sub> (W/Kg) | LTE BAND 71 <sub>1-g</sub> (W/Kg) | MAX. ΣSAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|--------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------------------|---------------------------------|-----------------------|
| Left Cheek    | <b>0.300</b>                   | 0.272                             | 0.438                             | 0.485                             | 0.785                           | 1.6                             | N/A                   |
| Left Tilt     | 0.253                          | 0.196                             | 0.336                             | 0.387                             | 0.640                           | 1.6                             | N/A                   |
| Right Cheek   | 0.287                          | <b>0.297</b>                      | <b>0.464</b>                      | <b>0.509</b>                      | <b>0.796</b>                    | 1.6                             | N/A                   |
| Right Tilt    | 0.240                          | 0.208                             | 0.378                             | 0.412                             | 0.652                           | 1.6                             | N/A                   |



**Simultaneous- Body****<GSM+2.4GWiFi>**

| Test Position | WiFi SAR <sub>1-g</sub> (W/Kg) | GSM 850 <sub>1-g</sub> (W/Kg) | PCS 1900 <sub>1-g</sub> (W/Kg) | MAX. $\Sigma$ SAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|--------------------------------|-------------------------------|--------------------------------|-----------------------------------------|---------------------------------|-----------------------|
| Front         | 0.215                          | 0.357                         | 0.424                          | 0.639                                   | 1.6                             | N/A                   |
| Back          | <b>0.331</b>                   | <b>0.504</b>                  | <b>0.597</b>                   | <b>0.928</b>                            | 1.6                             | N/A                   |
| Left Side     | N/A                            | 0.352                         | 0.399                          | 0.399                                   | 1.6                             | N/A                   |
| Right Side    | 0.267                          | 0.324                         | 0.480                          | 0.747                                   | 1.6                             | N/A                   |
| Top side      | 0.306                          | N/A                           | N/A                            | 0.306                                   | 1.6                             | N/A                   |
| Bottom Side   | N/A                            | 0.462                         | 0.584                          | 0.584                                   | 1.6                             | N/A                   |

**<WCDMA+2.4GWiFi >**

| Test Position | WiFi SAR <sub>1-g</sub> (W/Kg) | WCDMA Band 2 <sub>1-g</sub> (W/Kg) | WCDMA Band 4 <sub>1-g</sub> (W/Kg) | WCDMA Band 5 <sub>1-g</sub> (W/Kg) | MAX. $\Sigma$ SAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|--------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------------------|---------------------------------|-----------------------|
| Front         | 0.215                          | 0.252                              | 0.429                              | 0.357                              | 0.644                                   | 1.6                             | N/A                   |
| Back          | <b>0.331</b>                   | <b>0.421</b>                       | <b>0.608</b>                       | <b>0.568</b>                       | <b>0.939</b>                            | 1.6                             | N/A                   |
| Left Side     | N/A                            | 0.281                              | 0.414                              | 0.376                              | 0.414                                   | 1.6                             | N/A                   |
| Right Side    | 0.267                          | 0.368                              | 0.494                              | 0.417                              | 0.761                                   | 1.6                             | N/A                   |
| Top side      | 0.306                          | N/A                                | N/A                                | N/A                                | 0.306                                   | 1.6                             | N/A                   |
| Bottom Side   | N/A                            | 0.413                              | 0.582                              | 0.533                              | 0.582                                   | 1.6                             | N/A                   |



## &lt;LTE+2.4GWiFi &gt;

| Test Position | WiFi SAR <sub>1-g</sub> (W/Kg) | LTE BAND 7 <sub>1-g</sub> (W/Kg) | LTE BAND 12 <sub>1-g</sub> (W/Kg) | LTE BAND 13 <sub>1-g</sub> (W/Kg) | LTE BAND 25 <sub>1-g</sub> (W/Kg) | LTE BAND 26 <sub>1-g</sub> (W/Kg) | MAX. $\Sigma$ SAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|--------------------------------|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------------|---------------------------------|-----------------------|
| Front         | 0.215                          | 0.337                            | 0.461                             | 0.410                             | 0.418                             | 0.441                             | 0.552                                   | 1.6                             | N/A                   |
| Back          | <b>0.331</b>                   | <b>0.517</b>                     | <b>0.614</b>                      | <b>0.543</b>                      | <b>0.567</b>                      | <b>0.623</b>                      | <b>0.914</b>                            | 1.6                             | N/A                   |
| Left Side     | N/A                            | 0.240                            | 0.362                             | 0.265                             | 0.295                             | 0.383                             | 0.486                                   | 1.6                             | N/A                   |
| Right Side    | 0.267                          | 0.338                            | 0.477                             | 0.315                             | 0.407                             | 0.388                             | 0.461                                   | 1.6                             | N/A                   |
| Top side      | 0.306                          | N/A                              | N/A                               | N/A                               | N/A                               | N/A                               | 0.171                                   | 1.6                             | N/A                   |
| Bottom Side   | N/A                            | 0.488                            | 0.588                             | 0.509                             | 0.540                             | 0.600                             | 0.480                                   | 1.6                             | N/A                   |

| Test Position | WiFi SAR <sub>1-g</sub> (W/Kg) | LTE BAND 41 <sub>1-g</sub> (W/Kg) | LTE BAND 66 <sub>1-g</sub> (W/Kg) | LTE BAND 71 <sub>1-g</sub> (W/Kg) | MAX. $\Sigma$ SAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|--------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------------|---------------------------------|-----------------------|
| Front         | 0.215                          | 0.404                             | 0.585                             | 0.245                             | 0.648                                   | 1.6                             | N/A                   |
| Back          | <b>0.331</b>                   | <b>0.532</b>                      | <b>0.580</b>                      | <b>0.454</b>                      | <b>0.865</b>                            | 1.6                             | N/A                   |
| Left Side     | N/A                            | 0.317                             | 0.462                             | 0.256                             | 0.613                                   | 1.6                             | N/A                   |
| Right Side    | 0.267                          | 0.410                             | 0.501                             | 0.313                             | 0.492                                   | 1.6                             | N/A                   |
| Top side      | 0.306                          | N/A                               | N/A                               | N/A                               | 0.171                                   | 1.6                             | N/A                   |
| Bottom Side   | N/A                            | 0.462                             | 0.521                             | 0.424                             | 0.477                                   | 1.6                             | N/A                   |



## &lt;GSM+BT&gt;

| Test Position | BT SAR <sub>1-g</sub> (W/Kg) | GSM 850 1-g (W/Kg) | PCS 1900 1-g (W/Kg) | MAX. $\Sigma$ SAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|------------------------------|--------------------|---------------------|-----------------------------------------|---------------------------------|-----------------------|
| Front         | 0.186                        | 0.357              | 0.424               | 0.481                                   | 1.6                             | N/A                   |
| Back          | 0.186                        | <b>0.504</b>       | <b>0.597</b>        | <b>0.724</b>                            | 1.6                             | N/A                   |
| Left Side     | N/A                          | 0.352              | 0.399               | 0.488                                   | 1.6                             | N/A                   |
| Right Side    | 0.186                        | 0.324              | 0.480               | 0.416                                   | 1.6                             | N/A                   |
| Top side      | 0.186                        | N/A                | N/A                 | 0.105                                   | 1.6                             | N/A                   |
| Bottom Side   | N/A                          | 0.462              | 0.584               | 0.485                                   | 1.6                             | N/A                   |

## &lt;WCDMA+BT &gt;

| Test Position | BT SAR <sub>1-g</sub> (W/Kg) | WCDMA Band 2 1-g (W/Kg) | WCDMA Band 4 1-g (W/Kg) | WCDMA Band 5 1-g (W/Kg) | MAX. $\Sigma$ SAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|------------------------------|-------------------------|-------------------------|-------------------------|-----------------------------------------|---------------------------------|-----------------------|
| Front         | 0.186                        | 0.252                   | 0.429                   | 0.357                   | 0.515                                   | 1.6                             | N/A                   |
| Back          | 0.186                        | <b>0.421</b>            | <b>0.608</b>            | <b>0.568</b>            | <b>0.756</b>                            | 1.6                             | N/A                   |
| Left Side     | N/A                          | 0.281                   | 0.414                   | 0.376                   | 0.452                                   | 1.6                             | N/A                   |
| Right Side    | 0.186                        | 0.368                   | 0.494                   | 0.417                   | 0.506                                   | 1.6                             | N/A                   |
| Top side      | 0.186                        | N/A                     | N/A                     | N/A                     | 0.105                                   | 1.6                             | N/A                   |
| Bottom Side   | N/A                          | 0.413                   | 0.582                   | 0.533                   | 0.489                                   | 1.6                             | N/A                   |



## &lt;LTE+BT &gt;

| Test Position | BT SAR <sub>1-g</sub> (W/Kg) | LTE BAND 7 <sub>1-g</sub> (W/Kg) | LTE BAND 12 <sub>1-g</sub> (W/Kg) | LTE BAND 13 <sub>1-g</sub> (W/Kg) | LTE BAND 25 <sub>1-g</sub> (W/Kg) | LTE BAND 26 <sub>1-g</sub> (W/Kg) | MAX. $\Sigma$ SAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|------------------------------|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------------|---------------------------------|-----------------------|
| Front         | 0.186                        | 0.337                            | 0.461                             | 0.410                             | 0.418                             | 0.441                             | 0.540                                   | 1.6                             | N/A                   |
| Back          | 0.186                        | <b>0.517</b>                     | <b>0.614</b>                      | <b>0.543</b>                      | <b>0.567</b>                      | <b>0.623</b>                      | <b>0.796</b>                            | 1.6                             | N/A                   |
| Left Side     | N/A                          | 0.240                            | 0.362                             | 0.265                             | 0.295                             | 0.383                             | 0.397                                   | 1.6                             | N/A                   |
| Right Side    | 0.186                        | 0.338                            | 0.477                             | 0.315                             | 0.407                             | 0.388                             | 0.461                                   | 1.6                             | N/A                   |
| Top side      | 0.186                        | N/A                              | N/A                               | N/A                               | N/A                               | N/A                               | 0.105                                   | 1.6                             | N/A                   |
| Bottom Side   | N/A                          | 0.488                            | 0.588                             | 0.509                             | 0.540                             | 0.600                             | 0.480                                   | 1.6                             | N/A                   |

| Test Position | BT SAR <sub>1-g</sub> (W/Kg) | LTE BAND 41 <sub>1-g</sub> (W/Kg) | LTE BAND 66 <sub>1-g</sub> (W/Kg) | LTE BAND 71 <sub>1-g</sub> (W/Kg) | MAX. $\Sigma$ SAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------------|---------------------------------|-----------------------|
| Front         | 0.186                        | 0.404                             | 0.585                             | 0.245                             | 0.636                                   | 1.6                             | N/A                   |
| Back          | 0.186                        | <b>0.532</b>                      | <b>0.580</b>                      | <b>0.454</b>                      | <b>0.747</b>                            | 1.6                             | N/A                   |
| Left Side     | N/A                          | 0.317                             | 0.462                             | 0.256                             | 0.524                                   | 1.6                             | N/A                   |
| Right Side    | 0.186                        | 0.410                             | 0.501                             | 0.313                             | 0.492                                   | 1.6                             | N/A                   |
| Top side      | 0.186                        | N/A                               | N/A                               | N/A                               | 0.105                                   | 1.6                             | N/A                   |
| Bottom Side   | N/A                          | 0.462                             | 0.521                             | 0.424                             | 0.477                                   | 1.6                             | N/A                   |



## &lt;GSM+5GWiFi&gt;

| Test Position | WiFi SAR <sub>1-g</sub> (W/Kg) | GSM 850 1-g (W/Kg) | PCS 1900 1-g (W/Kg) | MAX. $\Sigma$ SAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|--------------------------------|--------------------|---------------------|-----------------------------------------|---------------------------------|-----------------------|
| Front         | 0.148                          | 0.357              | 0.424               | 0.529                                   | 1.6                             | N/A                   |
| Back          | <b>0.221</b>                   | <b>0.504</b>       | <b>0.597</b>        | <b>0.799</b>                            | 1.6                             | N/A                   |
| Left Side     | N/A                            | 0.352              | 0.399               | 0.513                                   | 1.6                             | N/A                   |
| Right Side    | 0.202                          | 0.324              | 0.480               | 0.416                                   | 1.6                             | N/A                   |
| Top side      | 0.209                          | N/A                | N/A                 | 0.149                                   | 1.6                             | N/A                   |
| Bottom Side   | N/A                            | 0.462              | 0.584               | 0.485                                   | 1.6                             | N/A                   |

## &lt;WCDMA+5GWiFi &gt;

| Test Position | WiFi SAR <sub>1-g</sub> (W/Kg) | WCDMA Band 2 1-g (W/Kg) | WCDMA Band 4 1-g (W/Kg) | WCDMA Band 5 1-g (W/Kg) | MAX. $\Sigma$ SAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|--------------------------------|-------------------------|-------------------------|-------------------------|-----------------------------------------|---------------------------------|-----------------------|
| Front         | 0.148                          | 0.252                   | 0.429                   | 0.357                   | 0.563                                   | 1.6                             | N/A                   |
| Back          | <b>0.221</b>                   | <b>0.421</b>            | <b>0.608</b>            | <b>0.568</b>            | <b>0.831</b>                            | 1.6                             | N/A                   |
| Left Side     | N/A                            | 0.281                   | 0.414                   | 0.376                   | 0.477                                   | 1.6                             | N/A                   |
| Right Side    | 0.202                          | 0.368                   | 0.494                   | 0.417                   | 0.506                                   | 1.6                             | N/A                   |
| Top side      | 0.209                          | N/A                     | N/A                     | N/A                     | 0.149                                   | 1.6                             | N/A                   |
| Bottom Side   | N/A                            | 0.413                   | 0.582                   | 0.533                   | 0.489                                   | 1.6                             | N/A                   |



## &lt;LTE+5GWiFi &gt;

| Test Position | WiFi SAR <sub>1-g</sub> (W/Kg) | LTE BAND 7 <sub>1-g</sub> (W/Kg) | LTE BAND 12 <sub>1-g</sub> (W/Kg) | LTE BAND 13 <sub>1-g</sub> (W/Kg) | LTE BAND 25 <sub>1-g</sub> (W/Kg) | LTE BAND 26 <sub>1-g</sub> (W/Kg) | MAX. ΣSAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|--------------------------------|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------------------|---------------------------------|-----------------------|
| Front         | 0.148                          | 0.337                            | 0.461                             | 0.410                             | 0.418                             | 0.441                             | 0.588                           | 1.6                             | N/A                   |
| Back          | <b>0.221</b>                   | <b>0.517</b>                     | <b>0.614</b>                      | <b>0.543</b>                      | <b>0.567</b>                      | <b>0.623</b>                      | <b>0.871</b>                    | 1.6                             | N/A                   |
| Left Side     | N/A                            | 0.240                            | 0.362                             | 0.265                             | 0.295                             | 0.383                             | 0.422                           | 1.6                             | N/A                   |
| Right Side    | 0.202                          | 0.338                            | 0.477                             | 0.315                             | 0.407                             | 0.388                             | 0.461                           | 1.6                             | N/A                   |
| Top side      | 0.209                          | N/A                              | N/A                               | N/A                               | N/A                               | N/A                               | 0.149                           | 1.6                             | N/A                   |
| Bottom Side   | N/A                            | 0.488                            | 0.588                             | 0.509                             | 0.540                             | 0.600                             | 0.480                           | 1.6                             | N/A                   |

| Test Position | WiFi SAR <sub>1-g</sub> (W/Kg) | LTE BAND 41 <sub>1-g</sub> (W/Kg) | LTE BAND 66 <sub>1-g</sub> (W/Kg) | LTE BAND 71 <sub>1-g</sub> (W/Kg) | MAX. ΣSAR <sub>1-g</sub> (W/Kg) | SAR <sub>1-g</sub> Limit (W/Kg) | Simut. Meas. Required |
|---------------|--------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------------------|---------------------------------|-----------------------|
| Front         | 0.148                          | 0.404                             | 0.585                             | 0.245                             | 0.684                           | 1.6                             | N/A                   |
| Back          | <b>0.221</b>                   | <b>0.532</b>                      | <b>0.580</b>                      | <b>0.454</b>                      | <b>0.822</b>                    | 1.6                             | N/A                   |
| Left Side     | N/A                            | 0.317                             | 0.462                             | 0.256                             | 0.549                           | 1.6                             | N/A                   |
| Right Side    | 0.202                          | 0.410                             | 0.501                             | 0.313                             | 0.492                           | 1.6                             | N/A                   |
| Top side      | 0.209                          | N/A                               | N/A                               | N/A                               | 0.149                           | 1.6                             | N/A                   |
| Bottom Side   | N/A                            | 0.462                             | 0.521                             | 0.424                             | 0.477                           | 1.6                             | N/A                   |



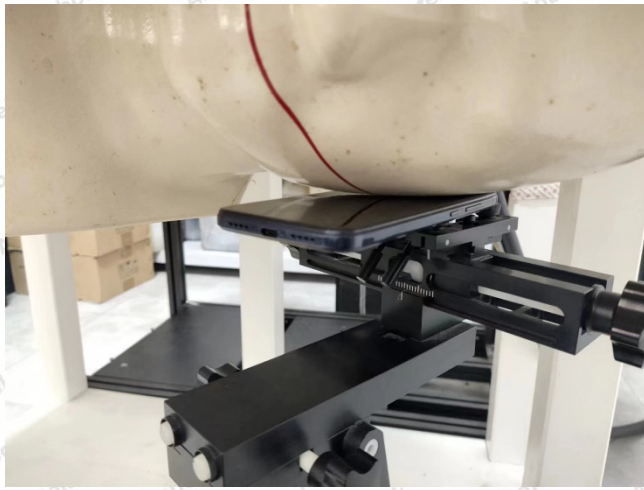
## 14. Measurement Uncertainty

| NO         | Source                                                | Uncert.<br>ai (%) | Prob.<br>Dist. | Div.<br>k  | ci<br>(1g) | ci<br>(10g) | Stand.U<br>ncert.<br>ui (1g) | Stand.U<br>ncert.<br>ui (10g) | Veff     |
|------------|-------------------------------------------------------|-------------------|----------------|------------|------------|-------------|------------------------------|-------------------------------|----------|
| 1          | Repeat                                                | 0.4               | N              | 1          | 1          | 1           | 0.4                          | 0.4                           | 9        |
| Instrument |                                                       |                   |                |            |            |             |                              |                               |          |
| 2          | Probe calibration                                     | 7                 | N              | 2          | 1          | 1           | 3.5                          | 3.5                           | $\infty$ |
| 3          | Axial isotropy                                        | 4.7               | R              | $\sqrt{3}$ | 0.7        | 0.7         | 1.9                          | 1.9                           | $\infty$ |
| 4          | Hemispherical isotropy                                | 9.4               | R              | $\sqrt{3}$ | 0.7        | 0.7         | 3.9                          | 3.9                           | $\infty$ |
| 5          | Boundary effect                                       | 1.0               | R              | $\sqrt{3}$ | 1          | 1           | 0.6                          | 0.6                           | $\infty$ |
| 6          | Linearity                                             | 4.7               | R              | $\sqrt{3}$ | 1          | 1           | 2.7                          | 2.7                           | $\infty$ |
| 7          | Detection limits                                      | 1.0               | R              | $\sqrt{3}$ | 1          | 1           | 0.6                          | 0.6                           | $\infty$ |
| 8          | Readout electronics                                   | 0.3               | N              | 1          | 1          | 1           | 0.3                          | 0.3                           | $\infty$ |
| 9          | Response time                                         | 0.8               | R              | $\sqrt{3}$ | 1          | 1           | 0.5                          | 0.5                           | $\infty$ |
| 10         | Integration time                                      | 2.6               | R              | $\sqrt{3}$ | 1          | 1           | 1.5                          | 1.5                           | $\infty$ |
| 11         | Ambient noise                                         | 3.0               | R              | $\sqrt{3}$ | 1          | 1           | 1.7                          | 1.7                           | $\infty$ |
| 12         | Ambient reflections                                   | 3.0               | R              | $\sqrt{3}$ | 1          | 1           | 1.7                          | 1.7                           | $\infty$ |
| 13         | Probe positioner mech.<br>restrictions                | 0.4               | R              | $\sqrt{3}$ | 1          | 1           | 0.2                          | 0.2                           | $\infty$ |
| 14         | Probe positioning with<br>respect to phantom<br>shell | 2.9               | R              | $\sqrt{3}$ | 1          | 1           | 1.7                          | 1.7                           | $\infty$ |
| 15         | Max.SAR evaluation                                    | 1.0               | R              | $\sqrt{3}$ | 1          | 1           | 0.6                          | 0.6                           | $\infty$ |



| Test sample related         |                              |                  |     |                                         |      |      |       |       |          |
|-----------------------------|------------------------------|------------------|-----|-----------------------------------------|------|------|-------|-------|----------|
| 16                          | Device positioning           | 3.8              | N   | 1                                       | 1    | 1    | 3.8   | 3.8   | 99       |
| 17                          | Device holder                | 5.1              | N   | 1                                       | 1    | 1    | 5.1   | 5.1   | 5        |
| 18                          | Drift of output power        | 5.0              | R   | $\sqrt{3}$                              | 1    | 1    | 2.9   | 2.9   | $\infty$ |
| Phantom and set-up          |                              |                  |     |                                         |      |      |       |       |          |
| 19                          | Phantom uncertainty          | 4.0              | R   | $\sqrt{3}$                              | 1    | 1    | 2.3   | 2.3   | $\infty$ |
| 20                          | Liquid conductivity (target) | 5.0              | R   | $\sqrt{3}$                              | 0.64 | 0.43 | 1.8   | 1.2   | $\infty$ |
| 21                          | Liquid conductivity (meas)   | 2.5              | N   | 1                                       | 0.64 | 0.43 | 1.6   | 1.2   | $\infty$ |
| 22                          | Liquid Permittivity (target) | 5.0              | R   | $\sqrt{3}$                              | 0.6  | 0.49 | 1.7   | 1.5   | $\infty$ |
| 23                          | Liquid Permittivity (meas)   | 2.5              | N   | 1                                       | 0.6  | 0.49 | 1.5   | 1.2   | $\infty$ |
| Combined standard           |                              |                  | RSS | $U_c = \sqrt{\sum_{i=1}^n C_i^2 U_i^2}$ |      |      | 11.4% | 11.3% | 236      |
| Expanded uncertainty(P=95%) |                              | $U_c = k U$ ,k=2 |     |                                         |      |      | 22.8% | 22.6% |          |



**Appendix A. EUT Photos and Test Setup Photos**

Left Head Touch



Right Head Touch

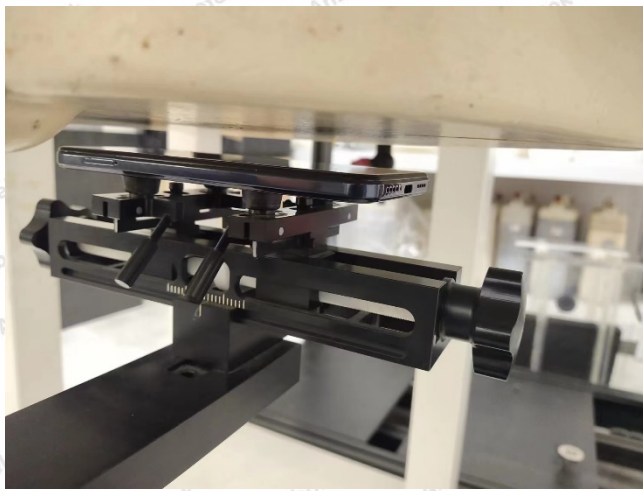


Left Head Tilt (15°)



Right Head Tilt (15°)

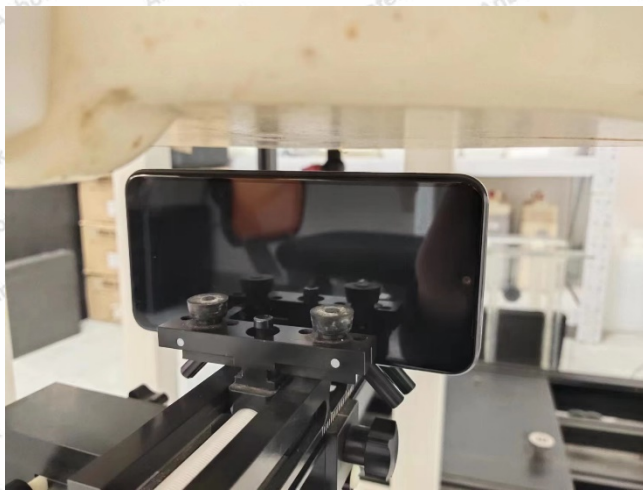




Front (10mm)



Back(10mm)



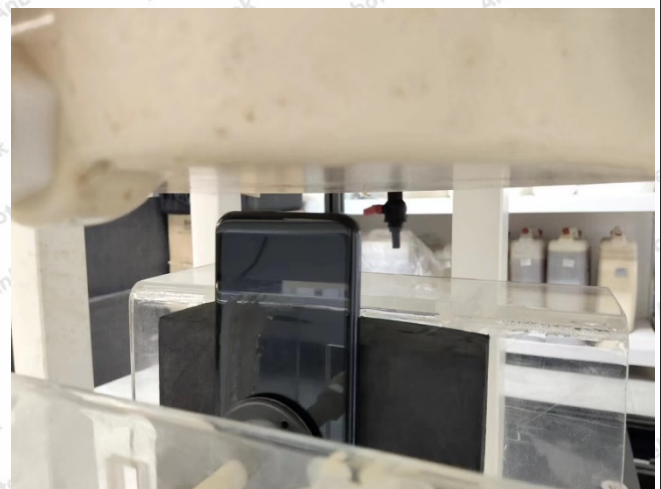
Left Side (10mm)



Right Side (10mm)



Top Side (10mm)



Bottom Side (10mm)



## Appendix B. Plots of SAR System Check

### 750MHz Head System Check

Date:12/01/2022

**DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN: 1163**

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

Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.93 \text{ S/m}$ ;  $\epsilon_r = 41.69$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

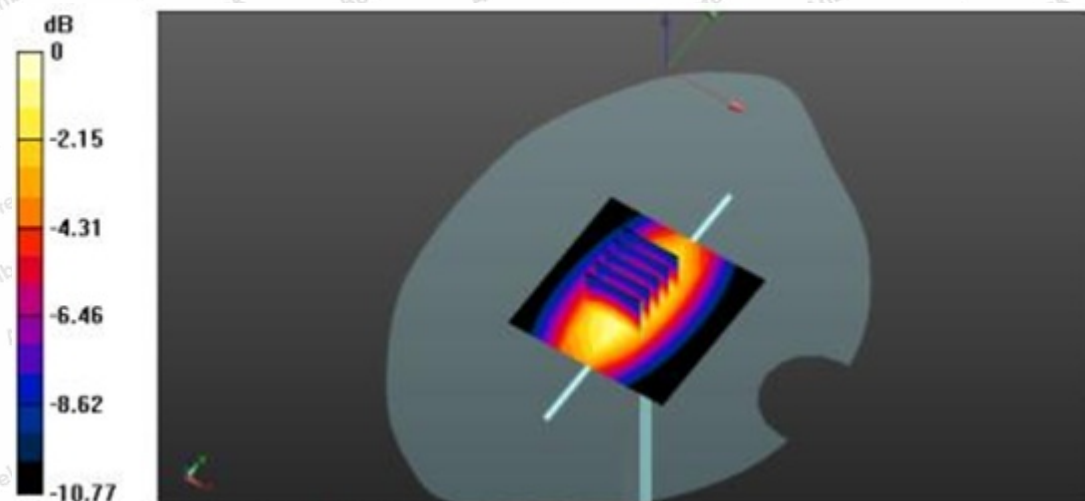
Probe: EX3DV4 - SN7396; ConvF(10.09, 10.09, 10.09); Calibrated: May,06.2022;

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn387; Calibrated: Sep.06.2022

Phantom: SAM 1; Type: SAM;

Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.10 (7164)

**Configuration/Pin=250mW/Area Scan (7x7x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$ Maximum value of SAR (measured) =  $2.32 \text{ W/kg}$ **Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $58.675 \text{ V/m}$ ; Power Drift =  $0.07 \text{ dB}$ Peak SAR (extrapolated) =  $2.83 \text{ W/kg}$ **SAR(1 g) =  $2.18 \text{ W/kg}$ ; SAR(10 g) =  $1.42 \text{ W/kg}$** Maximum value of SAR (measured) =  $3.24 \text{ W/kg}$ 

**835MHz Head System Check**

Date:12/02/2022

**DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d154**

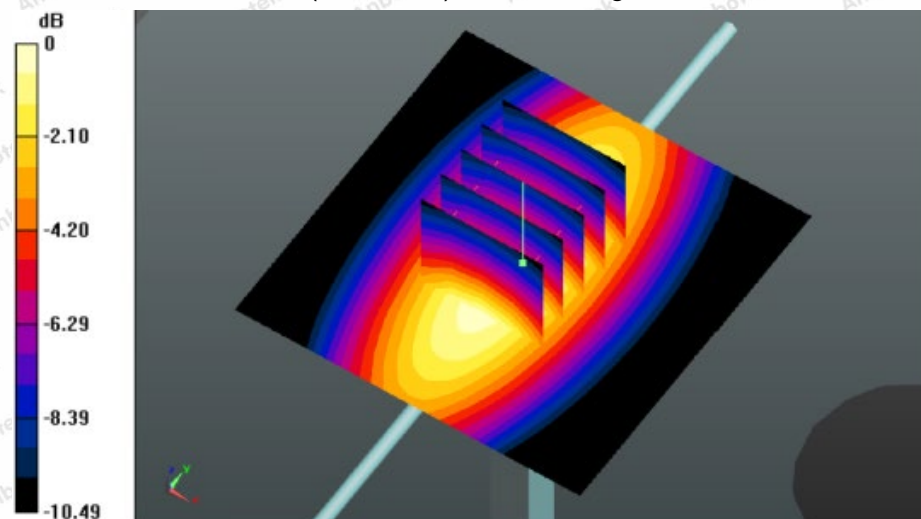
Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 835 \text{ MHz}$ ;  $\sigma = 0.94 \text{ S/m}$ ;  $\epsilon_r = 41.58$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7396; ConvF(9.88, 9.88, 9.88); Calibrated: 05.06.2022;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: Sep.06,2022;
- Phantom: SAM 1; Type: SAM;
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.10 (7164)

**Area Scan (61x91x1):** Measurement grid:  $dx=15.00 \text{ mm}$ ,  $dy=15.00 \text{ mm}$ Maximum value of SAR (interpolated) =  $2.875 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $50.286 \text{ V/m}$ ; Power Drift =  $-0.11 \text{ dB}$ Peak SAR (extrapolated) =  $3.175 \text{ W/kg}$ **SAR(1 g) =  $2.33 \text{ W/kg}$ ; SAR(10 g) =  $1.55 \text{ W/kg}$** Maximum value of SAR (measured) =  $2.574 \text{ W/kg}$ 

**1750MHz Head System Check**

Date:12/07/2022

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

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1750$  MHz;  $\sigma = 1.42$  S/m;  $\epsilon_r = 40.21$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7396; ConvF(8.24, 8.24, 8.24); Calibrated: May,06.2022;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: Sep.06.2022;
- Phantom: SAM 1 ; Type: QD 000 P40 CD; Serial: TP - 1802
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Configuration/Pin=250mW/Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 12.122 W/kg

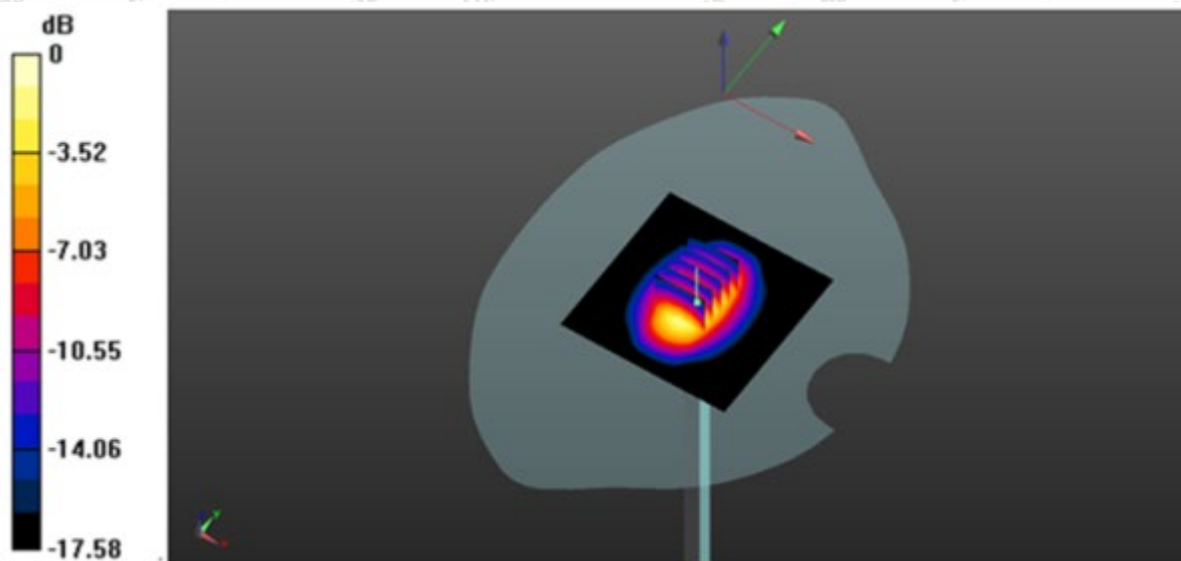
**Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 92.35 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 16.353 W/kg

**SAR(1 g) = 9.69 W/kg; SAR(10 g) = 5.08 W/kg**

Maximum value of SAR (measured) = 12.142 W/kg



**1900MHz Head System Check**

Date:12/09/2022

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d175**

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1900$  MHz;  $\sigma = 1.44$  S/m;  $\epsilon_r = 40.19$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

**DASY5 Configuration:**

Probe: EX3DV4 - SN7396; ConvF(7.97, 7.97, 7.97); Calibrated: 05.06.2022;

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn387; Calibrated: Sep.06,2022;

Phantom: SAM 1; Type: SAM;

Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Area Scan (61x91x1):** Measurement grid: dx=15.00 mm, dy=15.00 mm

Maximum value of SAR (interpolated) = 16.895 W/kg

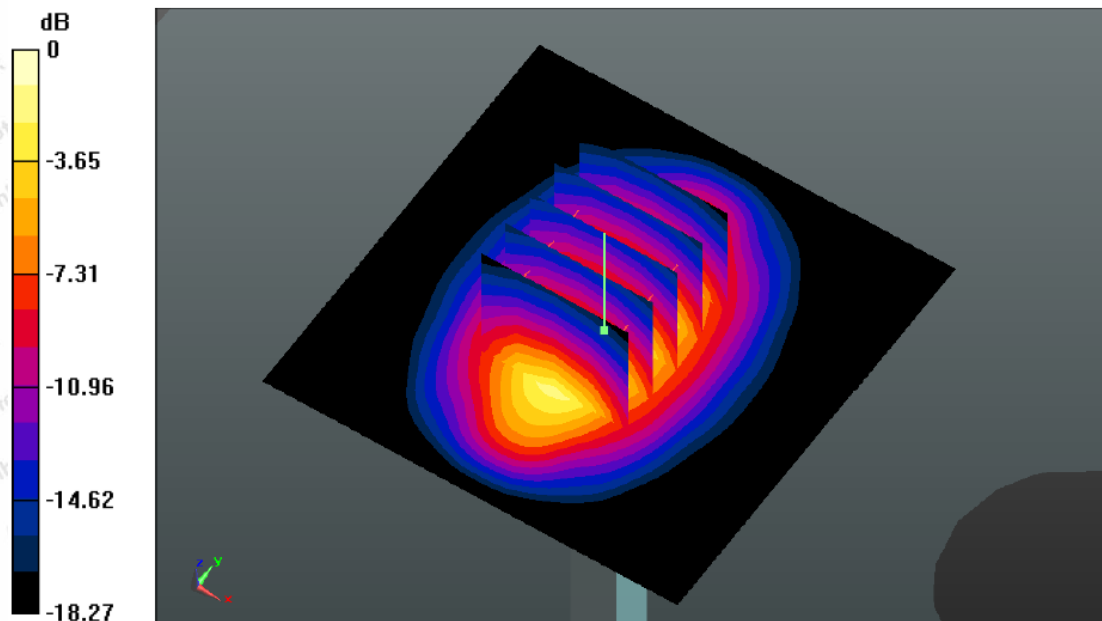
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 87.671 V/m; Power Drift = 0.08dB

Peak SAR (extrapolated) = 19.868 W/kg

**SAR(1 g) = 10.18 W/kg; SAR(10 g) = 5.37 W/kg**

Maximum value of SAR (measured) = 15.332 W/kg



**2450MHz Head System Check**

Date:12/12/2022

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 910**

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2450$  MHz;  $\sigma = 1.82$  S/m;  $\epsilon_r = 39.07$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

**DASY5 Configuration:**

Probe: EX3DV4 - SN7396; ConvF(7.53, 7.53, 7.53); Calibrated: 05.06.2022;

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn387; Calibrated: Sep.06.2022;

Phantom: SAM 1; Type: SAM;

Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Area Scan (61x91x1):** Measurement grid: dx=10.00 mm, dy=10.00 mm

Maximum value of SAR (interpolated) = 19.664 W/kg

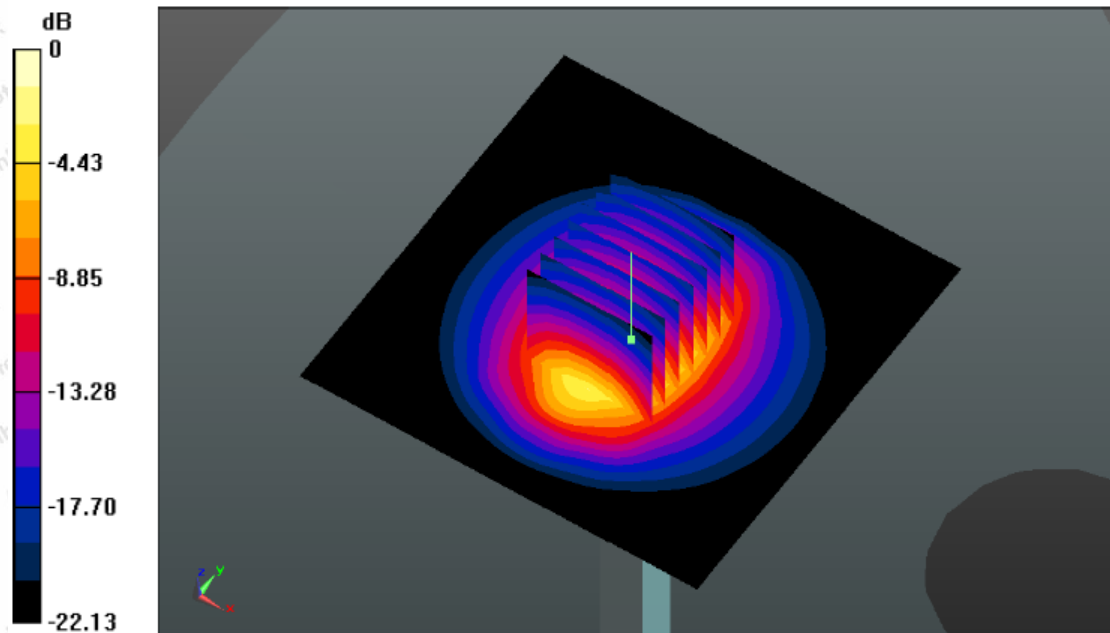
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 84.571 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 26.125 W/kg

**SAR(1 g) = 12.95 W/kg; SAR(10 g) = 5.92 W/kg**

Maximum value of SAR (measured) = 19.47W/kg



**2600MHz Head System Check**

Date:12/13/2022

**DUT: Dipole 2600 MHz; Type: D2600V2;**

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2600$  MHz;  $\sigma = 2.05$  S/m;  $\epsilon_r = 39.31$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## DASY5 Configuration:

- Probe: EX3DV4 – SN7396; ConvF(7.38, 7.38, 7.38); Calibrated: 05.06.2022;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: Sep.06.2022
- Phantom: SAM; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.10 (7164)

**Configuration/Pin=250mW/Area Scan (81x81x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 24.576 W/kg

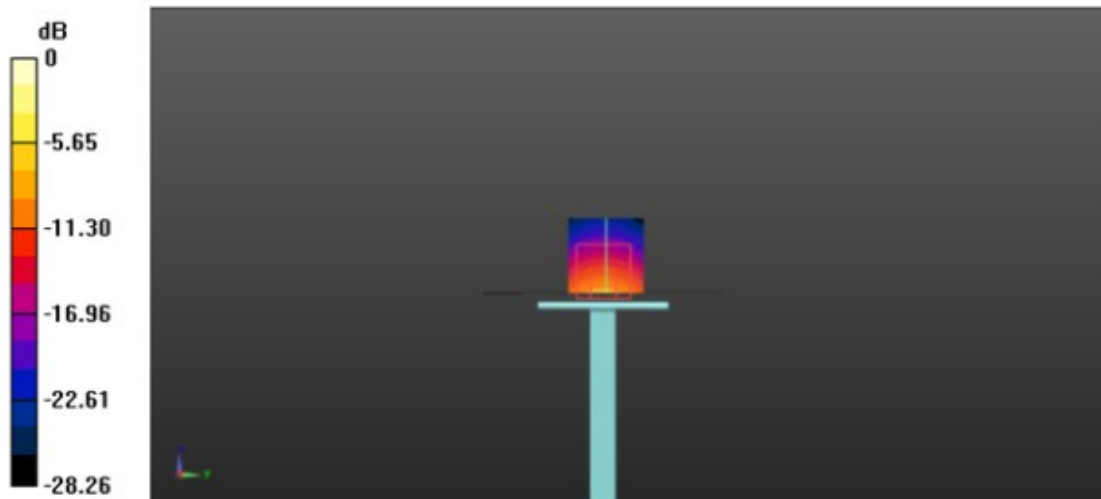
**Configuration/Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 110.147 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 33.245 W/kg

**SAR(1 g) = 13.91 W/kg; SAR(10 g) = 6.43 W/kg**

Maximum value of SAR (measured) = 25.668 W/kg



**5200MHz Head System Check**

Date:12/14/2022

**DUT: Dipole 5 GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1160**

Communication System: UID 0, CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.77$  S/m;  $\epsilon_r = 36.27$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

**DASY5 Configuration:**

- Probe: EX3DV4 – SN7396; ConvF(4.93, 4.93, 4.93); Calibrated: 05.06.2022;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: Sep. 06, 2022
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Configuration/Pin=100mW/Area Scan (71x71x1):**Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 18.874 W/kg

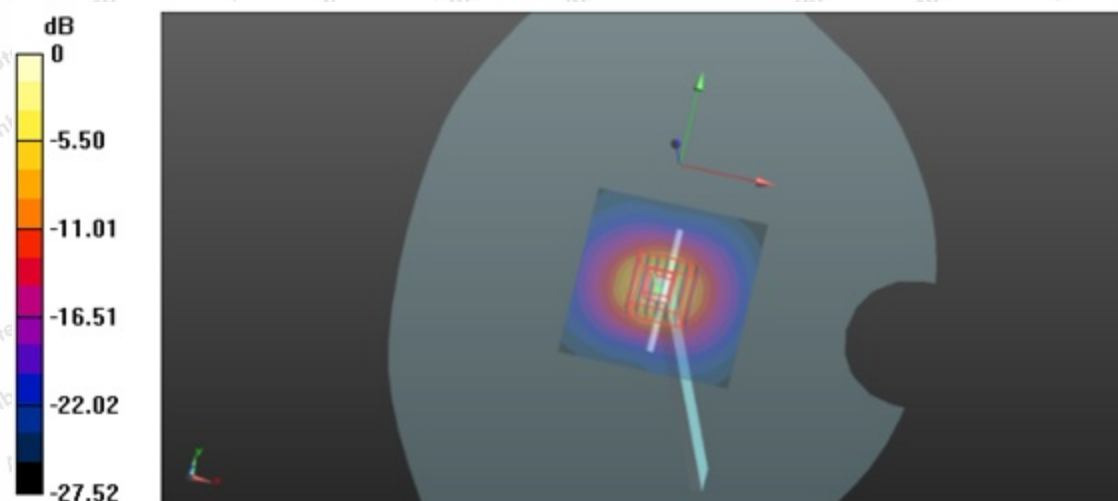
**Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0:**Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 49.795 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 32.687 W/kg

**SAR(1 g) = 7.97 W/kg; SAR(10 g) = 2.18 W/kg**

Maximum value of SAR (measured) = 19.887 W/kg



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**5300MHz Head System Check**

Date:12/23/2022

**DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1160**

Communication System: UID 0, CW; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300$  MHz;  $\sigma = 4.87$  S/m;  $\epsilon_r = 35.55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## DASY5 Configuration:

- Probe: EX3DV4 – SN7396; ConvF(4.93, 4.93, 4.93); Calibrated: May 06, 2022;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: Sep. 06, 2022
- Phantom: SAM; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.10 (7164)

**Configuration/Pin=100mW/Area Scan (71x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 20.702 W/kg

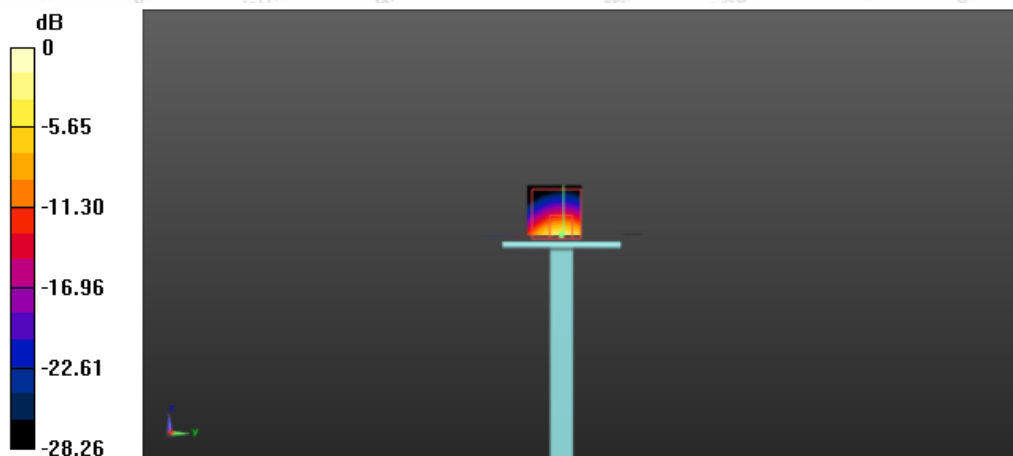
**Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 58.479 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 33.826 W/kg

**SAR(1 g) = 7.64 W/kg; SAR(10 g) = 2.15 W/kg**

Maximum value of SAR (measured) = 20.206 W/kg



0 dB = 20.2 W/kg = 13.05 dBW/kg



**5800MHz Head System Check**

Date: 12/15/2022

**DUT: Dipole 5 GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1160**

Communication System: UID 0, CW; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.38$  S/m;  $\epsilon_r = 35.69$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 – SN7396; ConvF(4.52, 4.52, 4.52); Calibrated: May 06, 2022;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: Sep. 06, 2022
- Phantom: SAM; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.10 (7164)

**Configuration/Pin=100mW/Area Scan (71x71x1):**Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 18.33 W/kg

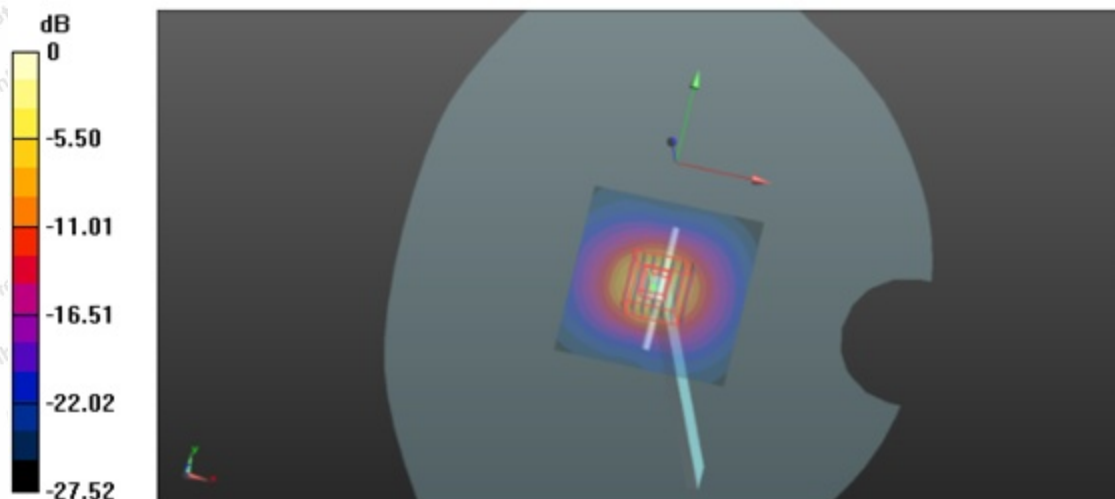
**Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0:**Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 49.187 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 31.866 W/kg

**SAR(1 g) = 7.92 W/kg; SAR(10 g) = 2.08 W/kg**

Maximum value of SAR (measured) = 19.864 W/kg



## Appendix C. Plots of SAR Test Data

### #1

Date: 12/02/2022

#### GSM850\_GPRS\_4TX\_Right Cheek Touch \_Ch251

Communication System: UID 0, GPRS(4 Tx slots) (0); Frequency: 848.6MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 848.6$  MHz;  $\sigma = 0.93$  S/m;  $\epsilon_r = 41.69$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7396; ConvF(9.88, 9.88, 9.88); Calibrated: May 06, 2022;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: Sep.06,2022
- Phantom: SAM 1; Type: SAM;
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.10 (7164)

**Right Cheek Touch/Area Scan (71x121x1):** Measurement grid: dx=1.500mm, dy=1.500mm

Maximum value of SAR (interpolated) = 0.839 W/kg

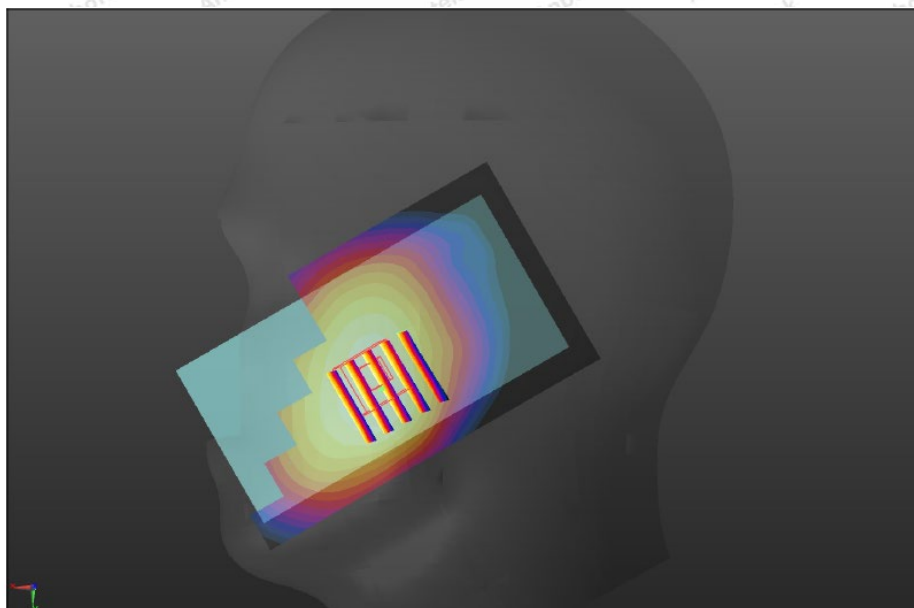
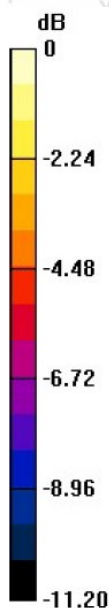
**Right Cheek Touch /Zoom Scan (5x5x7)/Cube 0:**Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.385 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.884 W/kg

**SAR(1 g) = 0.477 W/kg; SAR(10 g) = 0.239 W/kg**

Maximum value of SAR (measured) =0.828 W/kg



## #2

Date: 12/09/2022

**GSM1900\_GPRS\_4TX\_Right Cheek Touch \_Ch512**

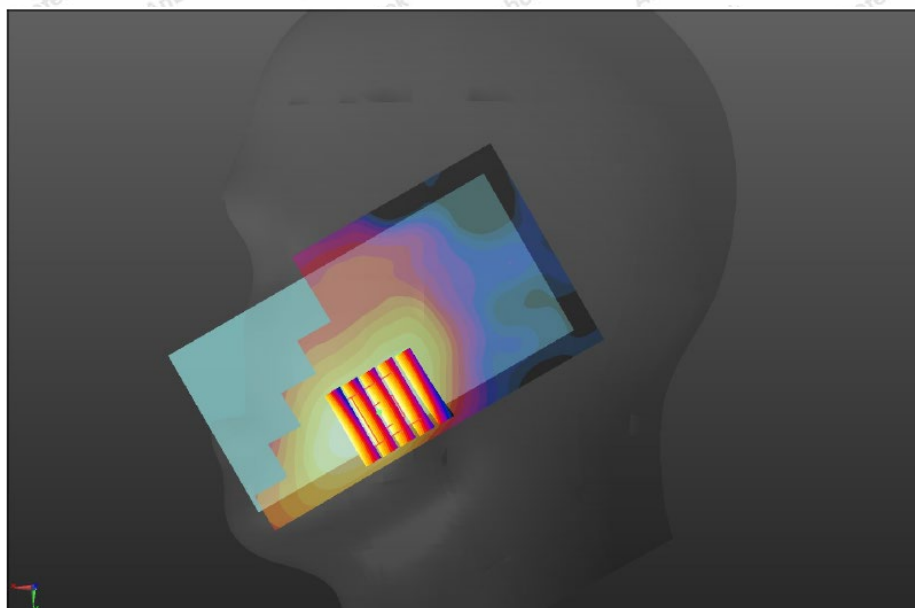
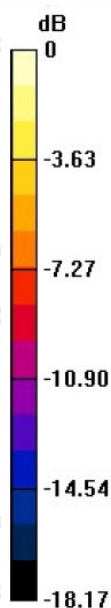
Communication System: UID 0, GPRS(4 Tx slots) (0); Frequency: 1850.2 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.44 \text{ S/m}$ ;  $\epsilon_r = 40.19$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

## DASY5 Configuration:

- Probe: EX3DV4 - SN7396; ConvF(7.97, 7.97, 7.97); Calibrated: May 06.2022;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: Sep.06,2022
- Phantom: SAM 1; Type: SAM;
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.10 (7164)

**Right Cheek Touch /Area Scan (71x121x1):** Measurement grid:  $dx=1.500\text{mm}$ ,  $dy=1.500\text{mm}$ Maximum value of SAR (measured) =  $0.621 \text{ W/kg}$ **Right Cheek Touch /Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $5.684 \text{ V/m}$ ; Power Drift =  $-0.08 \text{ dB}$ Peak SAR (extrapolated) =  $0.686 \text{ W/kg}$ **SAR(1 g) =  $0.316 \text{ W/kg}$ ; SAR(10 g) =  $0.183 \text{ W/kg}$** Maximum value of SAR (measured) =  $0.642 \text{ W/kg}$ 

## #3

Date: 12/09/2022

**WCDMA 1900\_RMC 12.2K\_Right Cheek Touch \_Ch9262**

Communication System: UID 0, Generic WCDMA (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.44$  S/m;  $\epsilon_r = 40.19$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## DASY5 Configuration:

- Probe: EX3DV4 – SN7396; ConvF(7.97, 7.97, 7.97); Calibrated: May,06,2022;
  - Sensor-Surface: 2mm (Mechanical Surface Detection)
  - Electronics: DAE4 Sn387; Calibrated: Sep.06,2022
  - Phantom: SAM; Type: QD000P40CD; Serial: TP:1670
  - Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.10 (7164)
  - **Right Cheek Touch /Area Scan (71x121x1):** Measurement grid: dx=1.500mm, dy=1.500mm
- Maximum value of SAR (measured) = 0.579 W/kg

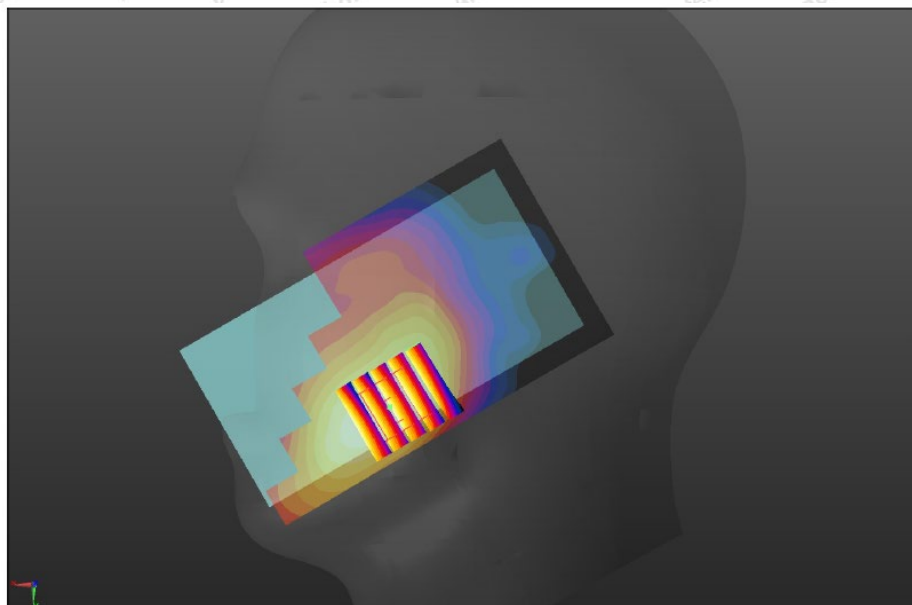
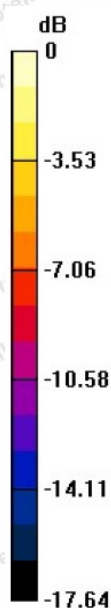
**Right Cheek Touch /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.458 V/m; Power Drift = 0.12dB

Peak SAR (extrapolated) = 0.594 W/kg

**SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.138 W/kg**

Maximum value of SAR (measured) = 0.533 W/kg



## #4

Date: 12/02/2022

**WCDMA 850\_RMC 12.2K\_ Right Cheek Touch \_Ch4132**

Communication System: UID 0, Generic WCDMA (0); Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.94$  S/m;  $\epsilon_r = 41.58$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## DASY5 Configuration:

- Probe: EX3DV4 – SN7396; ConvF(9.88, 9.88, 9.88); Calibrated: May,06,2022;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: Sep.06,2022
- Phantom: SAM; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.10 (7164)

**Right Cheek Touch/Area Scan (71x121x1):** Measurement grid: dx=1.500mm, dy=1.500mm

Maximum value of SAR (measured) =0.784 W/kg

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

Reference Value = 7.883 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.861 W/kg

**SAR(1 g) = 0.364 W/kg; SAR(10 g) = 0.216 W/kg**

Maximum value of SAR (measured) = 0.768 W/kg

