

### 1.0 Description and Test Setup

As per FCC OET Lab KDB inquiry/guidance regarding the BlackBerry Dynamic Antenna Tuning implementation, single point screening SAR test was performed in each 9 tuning state, on each low band, test configuration/position to investigate the effect and cover the corners, midpoints of the edges and the mid-point of the tuning range, in addition to the Closed Loop condition scan.

Single point SAR screening was considered because the antenna matching elements do not influence the SAR distribution.

All 3 device models use 2 tuning capacitors with 3 tuning states each to provide 9 total tuning states for each adjustable closed loop tuner.

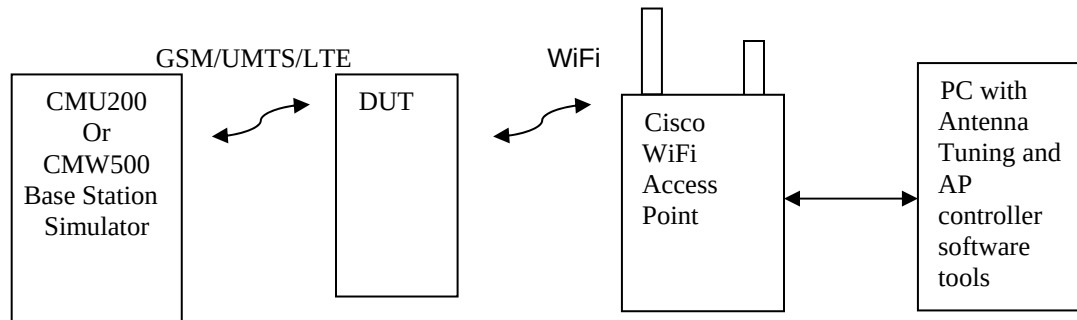
The primary reason for the implementing of the closed loop tunable antenna matching is that it reduces the variation from maximum radiated output power. Hence during SAR testing, the radiated power will vary less than it would for a fixed match and will always be the maximum radiated output power. Because the tunable matching consists of discrete variable components that have replaced fixed components in a typical antenna match and are not part of the antenna structure, they will not impact current distributions or antenna patterns. Correspondingly, the tunable matching impacts the power reaching the antenna without affecting the radiation pattern of the antenna.

For each exposure condition (touch, tilt, left, right for head and fixed separation for body-worn SAR), the highest measured SAR configuration (among the channels and wireless configurations tested; i.e. GSM/GPRS, WCDMA, LTE test mode setups) was identified and SAR probe was positioned at the highest SAR measurement point in the area scan and performed single point SAR measurement for all available tuning states; including the one already measured with closed loop tuning active.

The device was remained in each SAR test position (for head and body) while it is tuned to the 9 tuning states for single point SAR measurement.

Each tuning state was controlled by the Antenna Tuning/WiFi software tools using an Access Point and WiFi communication over the air.

When programming the tuner settings over the WiFi, there was a very short burst of traffic and then no activity. There was no WiFi traffic when the SAR test was running.



**Figure 1.0 Single point screening test setup**

**2.0 Device Information**

|                   |                 |                      |                 |              |                        |
|-------------------|-----------------|----------------------|-----------------|--------------|------------------------|
| <b>Model #</b>    |                 | RHK211LW ( STV100-1) |                 |              |                        |
| <b>FCC ID #</b>   |                 | L6ARHK210LW          |                 |              |                        |
| <b>DeviceType</b> | <b>Sample #</b> | <b>Device S/N</b>    | <b>HW REV #</b> | <b>CPR #</b> | <b>Software Bundle</b> |
| Radiated          | 65              | 1161504665           | Rev 4-01        | 30231        | AAC273                 |
| Radiated          | 66              | 1161507560           | Rev 4-01        | 30231        | AAC273                 |

|                   |                 |                      |                 |              |                        |
|-------------------|-----------------|----------------------|-----------------|--------------|------------------------|
| <b>Model #</b>    |                 | RHL211LW ( STV100-3) |                 |              |                        |
| <b>FCC ID #</b>   |                 | L6ARHL210LW          |                 |              |                        |
| <b>DeviceType</b> | <b>Sample #</b> | <b>Device S/N</b>    | <b>HW REV #</b> | <b>CPR #</b> | <b>Software Bundle</b> |
| Radiated          | 40              | 1161507290           | Rev 4-01        | 30231        | AAC273                 |
| Radiated          | 41              | 1161507352           | Rev 4-01        | 30231        | AAC273                 |

|                   |                 |                      |                 |              |                        |
|-------------------|-----------------|----------------------|-----------------|--------------|------------------------|
| <b>Model #</b>    |                 | RHM181LW ( STV100-4) |                 |              |                        |
| <b>FCC ID #</b>   |                 | L6ARHM180LW          |                 |              |                        |
| <b>DeviceType</b> | <b>Sample #</b> | <b>Device S/N</b>    | <b>HW REV #</b> | <b>CPR #</b> | <b>Software Bundle</b> |
| Radiated          | 43              | 1161509634           | Rev 2-01        | 30233        | AAC273                 |

# Single Point SAR Screening for Antenna Tuning States

## 2.0 Single Point SAR Screening Test Data

### BlackBerry Model: RHK211LW

| Measured SAR Values - Head - LTE Band 12 700 MHz (BW 10 MHz) |             |            |                 |                 |                          |        |                            |
|--------------------------------------------------------------|-------------|------------|-----------------|-----------------|--------------------------|--------|----------------------------|
| Channel                                                      | Freq. (MHz) | Position   | Slider Position | Max. SAR (W/kg) | % delta from Closed Loop | Scan # | Comments                   |
| 23095                                                        | 707.5       | Left Cheek | Closed          | 0.189           | 0.00                     | 1      | Closed Loop                |
|                                                              |             |            |                 | 0.062           | -67.35                   | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |             |            |                 | 0.080           | -57.94                   | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |             |            |                 | 0.103           | -45.50                   | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |             |            |                 | 0.081           | -57.25                   | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |             |            |                 | 0.113           | -40.21                   | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |             |            |                 | 0.150           | -20.63                   | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |             |            |                 | 0.106           | -43.92                   | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |             |            |                 | 0.157           | -16.93                   | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |             |            |                 | 0.187           | -1.06                    | 10     | Cap 1= Min C, Cap 2= Min C |
| 23095                                                        | 707.5       | Left Tilt  | Closed          | 0.128           | 0.00                     | 1      | Closed Loop                |
|                                                              |             |            |                 | 0.039           | -69.53                   | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |             |            |                 | 0.051           | -60.39                   | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |             |            |                 | 0.065           | -48.98                   | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |             |            |                 | 0.051           | -60.39                   | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |             |            |                 | 0.073           | -42.97                   | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |             |            |                 | 0.096           | -24.69                   | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |             |            |                 | 0.067           | -47.34                   | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |             |            |                 | 0.102           | -20.31                   | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |             |            |                 | 0.119           | -7.03                    | 10     | Cap 1= Min C, Cap 2= Min C |
| 23095                                                        | 707.5       | Left Cheek | Open            | 0.129           | 0.00                     | 1      | Closed Loop                |
|                                                              |             |            |                 | 0.040           | -68.76                   | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |             |            |                 | 0.052           | -59.53                   | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |             |            |                 | 0.066           | -49.15                   | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |             |            |                 | 0.052           | -59.77                   | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |             |            |                 | 0.076           | -40.85                   | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |             |            |                 | 0.100           | -22.56                   | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |             |            |                 | 0.073           | -43.49                   | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |             |            |                 | 0.111           | -13.95                   | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |             |            |                 | 0.124           | -3.88                    | 10     | Cap 1= Min C, Cap 2= Min C |
| 23095                                                        | 707.5       | Left Tilt  | Open            | 0.064           | 0.00                     | 1      | Closed Loop                |
|                                                              |             |            |                 | 0.020           | -69.17                   | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |             |            |                 | 0.027           | -58.06                   | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |             |            |                 | 0.034           | -46.64                   | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |             |            |                 | 0.027           | -58.06                   | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |             |            |                 | 0.039           | -38.34                   | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |             |            |                 | 0.051           | -20.50                   | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |             |            |                 | 0.037           | -42.72                   | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |             |            |                 | 0.057           | -11.27                   | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |             |            |                 | 0.062           | -2.66                    | 10     | Cap 1= Min C, Cap 2= Min C |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head - LTE Band 12 700 MHz (BW 10 MHz) |                |             |                 |                    |                             |        |                            |
|--------------------------------------------------------------|----------------|-------------|-----------------|--------------------|-----------------------------|--------|----------------------------|
| Channel                                                      | Freq.<br>(MHz) | Position    | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                   |
| 23130                                                        | 711.0          | Right Cheek | Closed          | 0.222              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.064              | -71.35                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.088              | -60.45                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.111              | -50.00                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.085              | -61.62                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.123              | -44.59                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.167              | -24.77                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.113              | -49.10                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.174              | -21.62                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.212              | -4.50                       | 10     | Cap 1= Min C, Cap 2= Min C |
| 23095                                                        | 707.5          | Right Tilt  | Closed          | 0.125              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.040              | -68.16                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.053              | -57.52                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.067              | -46.80                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.053              | -57.76                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.076              | -38.88                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.101              | -19.20                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.069              | -44.80                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.107              | -14.40                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.122              | -2.40                       | 10     | Cap 1= Min C, Cap 2= Min C |
| 23095                                                        | 707.5          | Right Cheek | Open            | 0.127              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.039              | -69.69                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.052              | -59.21                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.065              | -48.66                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.052              | -59.45                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.074              | -41.50                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.097              | -24.02                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.071              | -44.02                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.109              | -14.17                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.117              | -7.87                       | 10     | Cap 1= Min C, Cap 2= Min C |
| 23095                                                        | 707.5          | Right Tilt  | Open            | 0.074              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.021              | -71.76                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.028              | -61.89                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.037              | -50.54                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.029              | -61.08                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.043              | -42.57                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.056              | -24.46                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.041              | -45.14                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.062              | -15.68                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.068              | -7.57                       | 10     | Cap 1= Min C, Cap 2= Min C |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Body-Worn (15mm Spacing) - LTE Band 12 700 MHz (BW 10 MHz) |             |            |                 |                 |                          |        |                            |
|----------------------------------------------------------------------------------|-------------|------------|-----------------|-----------------|--------------------------|--------|----------------------------|
| Channel                                                                          | Freq. (MHz) | Position   | Slider Position | Max. SAR (W/kg) | % delta from Closed Loop | Scan # | Comments                   |
| 23130                                                                            | 711.0       | 15mm Back  | Closed          | 0.297           | 0.00                     | 1      | Closed Loop                |
|                                                                                  |             |            |                 | 0.111           | -62.63                   | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                                                  |             |            |                 | 0.143           | -51.85                   | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                                                  |             |            |                 | 0.172           | -42.09                   | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                                                  |             |            |                 | 0.139           | -53.20                   | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                                                  |             |            |                 | 0.190           | -36.03                   | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                                                  |             |            |                 | 0.239           | -19.53                   | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                                                  |             |            |                 | 0.180           | -39.39                   | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                                                  |             |            |                 | 0.250           | -15.82                   | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                                                  |             |            |                 | 0.286           | -3.70                    | 10     | Cap 1= Min C, Cap 2= Min C |
| 23095                                                                            | 707.5       | 15mm Front | Closed          | 0.243           | 0.00                     | 1      | Closed Loop                |
|                                                                                  |             |            |                 | 0.089           | -63.46                   | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                                                  |             |            |                 | 0.121           | -50.21                   | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                                                  |             |            |                 | 0.155           | -36.21                   | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                                                  |             |            |                 | 0.118           | -51.44                   | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                                                  |             |            |                 | 0.167           | -31.28                   | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                                                  |             |            |                 | 0.204           | -16.05                   | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                                                  |             |            |                 | 0.159           | -34.57                   | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                                                  |             |            |                 | 0.222           | -8.64                    | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                                                  |             |            |                 | 0.241           | -0.82                    | 10     | Cap 1= Min C, Cap 2= Min C |

|                   |                      |
|-------------------|----------------------|
| Device Model      | RHK211LW ( STV100-1) |
| Hardware Rev. #   | Rev 4-01             |
| Software Bundle # | AAC273               |
| Date              | 8/25/2015            |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head - LTE Band 17 700 MHz (BW 10 MHz) |                |            |                 |                    |                             |        |                            |
|--------------------------------------------------------------|----------------|------------|-----------------|--------------------|-----------------------------|--------|----------------------------|
| Channel                                                      | Freq.<br>(MHz) | Position   | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                   |
| 23790                                                        | 710.0          | Left Cheek | Closed          | 0.168              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |            |                 | 0.045              | -72.98                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |            |                 | 0.063              | -62.74                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.081              | -51.85                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |            |                 | 0.059              | -64.70                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |            |                 | 0.086              | -48.87                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.114              | -32.14                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |            |                 | 0.076              | -54.94                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |            |                 | 0.117              | -30.36                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.153              | -8.93                       | 10     | Cap 1= Min C, Cap 2= Min C |
| 23790                                                        | 710.0          | Left Tilt  | Closed          | 0.089              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |            |                 | 0.028              | -68.25                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |            |                 | 0.038              | -57.40                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.048              | -45.65                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |            |                 | 0.037              | -58.64                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |            |                 | 0.052              | -41.13                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.069              | -21.92                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |            |                 | 0.050              | -43.73                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |            |                 | 0.071              | -19.77                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.088              | -0.90                       | 10     | Cap 1= Min C, Cap 2= Min C |
| 23790                                                        | 710.0          | Left Cheek | Open            | 0.109              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |            |                 | 0.031              | -71.47                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |            |                 | 0.043              | -60.92                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.056              | -49.08                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |            |                 | 0.041              | -62.11                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |            |                 | 0.061              | -44.50                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.083              | -24.31                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |            |                 | 0.055              | -49.45                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |            |                 | 0.087              | -20.28                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.107              | -1.83                       | 10     | Cap 1= Min C, Cap 2= Min C |
| 23790                                                        | 710.0          | Left Tilt  | Open            | 0.051              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |            |                 | 0.015              | -70.30                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |            |                 | 0.020              | -59.60                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.026              | -47.92                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |            |                 | 0.021              | -59.01                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |            |                 | 0.030              | -41.58                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.038              | -24.36                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |            |                 | 0.027              | -45.74                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |            |                 | 0.042              | -17.03                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.050              | -1.19                       | 10     | Cap 1= Min C, Cap 2= Min C |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head - LTE Band 17 700 MHz (BW 10 MHz) |                |             |                 |                    |                             |        |                            |
|--------------------------------------------------------------|----------------|-------------|-----------------|--------------------|-----------------------------|--------|----------------------------|
| Channel                                                      | Freq.<br>(MHz) | Position    | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                   |
| 23780                                                        | 709.0          | Right Cheek | Closed          | 0.226              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.070              | -68.98                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.095              | -57.88                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.122              | -46.02                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.093              | -59.03                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.134              | -40.71                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.181              | -19.91                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.124              | -45.13                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.189              | -16.37                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.224              | -0.88                       | 10     | Cap 1= Min C, Cap 2= Min C |
| 23790                                                        | 710.0          | Right Tilt  | Closed          | 0.122              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.039              | -68.28                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.053              | -56.39                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.067              | -45.41                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.051              | -57.87                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.072              | -41.31                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.093              | -23.61                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.067              | -44.84                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.098              | -19.51                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.122              | 0.00                        | 10     | Cap 1= Min C, Cap 2= Min C |
| 23790                                                        | 710.0          | Right Cheek | Open            | 0.121              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.038              | -68.60                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.051              | -57.69                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.065              | -46.20                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.052              | -56.86                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.073              | -40.08                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.095              | -21.57                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.070              | -41.98                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.103              | -14.88                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.121              | 0.00                        | 10     | Cap 1= Min C, Cap 2= Min C |
| 23790                                                        | 710.0          | Right Tilt  | Open            | 0.071              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.022              | -68.45                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.030              | -57.75                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.039              | -45.77                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.030              | -57.46                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.043              | -39.72                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.055              | -22.68                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.041              | -41.83                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.060              | -15.07                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.071              | -0.56                       | 10     | Cap 1= Min C, Cap 2= Min C |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Body-Worn (15mm Spacing) - LTE Band 17 700 MHz (BW 10 MHz) |             |            |                 |                 |                          |        |                             |
|----------------------------------------------------------------------------------|-------------|------------|-----------------|-----------------|--------------------------|--------|-----------------------------|
| Channel                                                                          | Freq. (MHz) | Position   | Slider Position | Max. SAR (W/kg) | % delta from Closed Loop | Scan # | Comments                    |
| 23780                                                                            | 709.0       | 15mm Back  | Closed          | 0.275           | 0.00                     | 1      | Closed Loop                 |
|                                                                                  |             |            |                 | 0.104           | -62.18                   | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                                                  |             |            |                 | 0.135           | -50.91                   | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                                                  |             |            |                 | 0.174           | -36.73                   | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                                                  |             |            |                 | 0.135           | -50.91                   | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                                                  |             |            |                 | 0.185           | -32.73                   | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                                                  |             |            |                 | 0.236           | -14.18                   | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                                                  |             |            |                 | 0.179           | -34.91                   | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                                                  |             |            |                 | 0.251           | -8.73                    | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                                                  |             |            |                 | 0.275           | 0.00                     | 10     | Cap 1= Min C, Cap 2= Min C  |
| 23790                                                                            | 710.0       | 15mm Front | Closed          | 0.233           | 0.00                     | 1      | Closed Loop                 |
|                                                                                  |             |            |                 | 0.069           | -70.34                   | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                                                  |             |            |                 | 0.095           | -59.31                   | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                                                  |             |            |                 | 0.120           | -48.50                   | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                                                  |             |            |                 | 0.087           | -62.49                   | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                                                  |             |            |                 | 0.125           | -46.35                   | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                                                  |             |            |                 | 0.160           | -31.33                   | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                                                  |             |            |                 | 0.116           | -50.21                   | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                                                  |             |            |                 | 0.166           | -28.76                   | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                                                  |             |            |                 | 0.200           | -14.16                   | 10     | Cap 1= Min C, Cap 2= Min C  |

|                   |                      |
|-------------------|----------------------|
| Device Model      | RHK211LW ( STV100-1) |
| Hardware Rev. #   | Rev 4-01             |
| Software Bundle # | AAC273               |
| Date              | 8/26/2015            |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head - LTE Band 5 850 MHz (BW 10 MHz) |                |            |                 |                    |                             |        |                            |
|-------------------------------------------------------------|----------------|------------|-----------------|--------------------|-----------------------------|--------|----------------------------|
| Channel                                                     | Freq.<br>(MHz) | Position   | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                   |
| 20525                                                       | 836.5          | Left Cheek | Closed          | 0.295              | 0.00                        | 1      | Closed Loop                |
|                                                             |                |            |                 | 0.246              | -16.61                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                             |                |            |                 | 0.231              | -21.69                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                             |                |            |                 | 0.211              | -28.47                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                             |                |            |                 | 0.258              | -12.54                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                             |                |            |                 | 0.221              | -25.08                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                             |                |            |                 | 0.184              | -37.63                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                             |                |            |                 | 0.201              | -31.86                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                             |                |            |                 | 0.162              | -45.08                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                             |                |            |                 | 0.125              | -57.63                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 20525                                                       | 836.5          | Left Tilt  | Closed          | 0.199              | 0.00                        | 1      | Closed Loop                |
|                                                             |                |            |                 | 0.180              | -9.55                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                             |                |            |                 | 0.170              | -14.57                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                             |                |            |                 | 0.154              | -22.61                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                             |                |            |                 | 0.179              | -10.05                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                             |                |            |                 | 0.184              | -7.54                       | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                             |                |            |                 | 0.184              | -7.54                       | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                             |                |            |                 | 0.179              | -10.05                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                             |                |            |                 | 0.181              | -9.05                       | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                             |                |            |                 | 0.188              | -5.53                       | 10     | Cap 1= Min C, Cap 2= Min C |
| 20525                                                       | 836.5          | Left Cheek | Open            | 0.210              | 0.00                        | 1      | Closed Loop                |
|                                                             |                |            |                 | 0.208              | -0.95                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                             |                |            |                 | 0.204              | -2.86                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                             |                |            |                 | 0.188              | -10.48                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                             |                |            |                 | 0.205              | -2.38                       | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                             |                |            |                 | 0.182              | -13.33                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                             |                |            |                 | 0.154              | -26.67                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                             |                |            |                 | 0.155              | -26.19                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                             |                |            |                 | 0.129              | -38.57                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                             |                |            |                 | 0.129              | -38.57                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 20525                                                       | 836.5          | Left Tilt  | Open            | 0.127              | 0.00                        | 1      | Closed Loop                |
|                                                             |                |            |                 | 0.127              | 0.00                        | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                             |                |            |                 | 0.120              | -5.51                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                             |                |            |                 | 0.111              | -12.60                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                             |                |            |                 | 0.120              | -5.51                       | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                             |                |            |                 | 0.103              | -18.90                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                             |                |            |                 | 0.085              | -32.76                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                             |                |            |                 | 0.086              | -32.44                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                             |                |            |                 | 0.071              | -43.86                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                             |                |            |                 | 0.057              | -55.20                      | 10     | Cap 1= Min C, Cap 2= Min C |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head - LTE Band 5 850 MHz (BW 10 MHz) |                |             |                 |                    |                             |        |                            |
|-------------------------------------------------------------|----------------|-------------|-----------------|--------------------|-----------------------------|--------|----------------------------|
| Channel                                                     | Freq.<br>(MHz) | Position    | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                   |
| 20525                                                       | 836.5          | Right Cheek | Closed          | 0.315              | 0.00                        | 1      | Closed Loop                |
|                                                             |                |             |                 | 0.275              | -12.70                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                             |                |             |                 | 0.265              | -15.87                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                             |                |             |                 | 0.241              | -23.49                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                             |                |             |                 | 0.291              | -7.62                       | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                             |                |             |                 | 0.251              | -20.32                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                             |                |             |                 | 0.211              | -33.02                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                             |                |             |                 | 0.235              | -25.40                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                             |                |             |                 | 0.184              | -41.59                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                             |                |             |                 | 0.142              | -54.92                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 20525                                                       | 836.5          | Right Tilt  | Closed          | 0.219              | 0.00                        | 1      | Closed Loop                |
|                                                             |                |             |                 | 0.202              | -7.76                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                             |                |             |                 | 0.187              | -14.61                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                             |                |             |                 | 0.168              | -23.29                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                             |                |             |                 | 0.198              | -9.59                       | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                             |                |             |                 | 0.170              | -22.37                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                             |                |             |                 | 0.141              | -35.62                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                             |                |             |                 | 0.153              | -30.14                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                             |                |             |                 | 0.120              | -45.21                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                             |                |             |                 | 0.095              | -56.62                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 20525                                                       | 836.5          | Right Cheek | Open            | 0.236              | 0.00                        | 1      | Closed Loop                |
|                                                             |                |             |                 | 0.230              | -2.54                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                             |                |             |                 | 0.222              | -5.93                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                             |                |             |                 | 0.211              | -10.59                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                             |                |             |                 | 0.225              | -4.66                       | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                             |                |             |                 | 0.197              | -16.53                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                             |                |             |                 | 0.170              | -27.97                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                             |                |             |                 | 0.171              | -27.54                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                             |                |             |                 | 0.140              | -40.68                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                             |                |             |                 | 0.114              | -51.69                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 20525                                                       | 836.5          | Right Tilt  | Open            | 0.132              | 0.00                        | 1      | Closed Loop                |
|                                                             |                |             |                 | 0.126              | -4.55                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                             |                |             |                 | 0.117              | -11.36                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                             |                |             |                 | 0.108              | -18.18                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                             |                |             |                 | 0.115              | -12.88                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                             |                |             |                 | 0.102              | -22.73                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                             |                |             |                 | 0.086              | -34.62                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                             |                |             |                 | 0.086              | -34.70                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                             |                |             |                 | 0.070              | -46.82                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                             |                |             |                 | 0.056              | -57.50                      | 10     | Cap 1= Min C, Cap 2= Min C |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Body-Worn (15mm Spacing) - LTE Band 5 850 MHz (BW 10 MHz) |             |            |                 |                 |                          |        |                            |
|---------------------------------------------------------------------------------|-------------|------------|-----------------|-----------------|--------------------------|--------|----------------------------|
| Channel                                                                         | Freq. (MHz) | Position   | Slider Position | Max. SAR (W/kg) | % delta from Closed Loop | Scan # | Comments                   |
| 20525                                                                           | 836.5       | 15mm Back  | Closed          | 0.275           | 0.00                     | 1      | Closed Loop                |
|                                                                                 |             |            |                 | 0.267           | -2.91                    | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                                                 |             |            |                 | 0.253           | -8.00                    | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                                                 |             |            |                 | 0.231           | -16.00                   | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                                                 |             |            |                 | 0.271           | -1.45                    | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                                                 |             |            |                 | 0.272           | -1.09                    | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                                                 |             |            |                 | 0.200           | -27.27                   | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                                                 |             |            |                 | 0.220           | -20.00                   | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                                                 |             |            |                 | 0.176           | -36.00                   | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                                                 |             |            |                 | 0.139           | -49.45                   | 10     | Cap 1= Min C, Cap 2= Min C |
| 20450                                                                           | 829.0       | 15mm Front | Closed          | 0.351           | 0.00                     | 1      | Closed Loop                |
|                                                                                 |             |            |                 | 0.351           | 0.00                     | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                                                 |             |            |                 | 0.339           | -3.42                    | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                                                 |             |            |                 | 0.339           | -3.42                    | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                                                 |             |            |                 | 0.340           | -3.13                    | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                                                 |             |            |                 | 0.339           | -3.42                    | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                                                 |             |            |                 | 0.272           | -22.51                   | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                                                 |             |            |                 | 0.279           | -20.51                   | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                                                 |             |            |                 | 0.232           | -33.90                   | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                                                 |             |            |                 | 0.187           | -46.72                   | 10     | Cap 1= Min C, Cap 2= Min C |

|                   |                      |
|-------------------|----------------------|
| Device Model      | RHK211LW ( STV100-1) |
| Hardware Rev. #   | Rev 4-01             |
| Software Bundle # | AAC273               |
| Date              | 8/26/2015            |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head - GSM/EDGE/DTM 850 MHz |                |            |                 |                    |                             |        |                            |
|---------------------------------------------------|----------------|------------|-----------------|--------------------|-----------------------------|--------|----------------------------|
| Channel                                           | Freq.<br>(MHz) | Position   | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                   |
| 190                                               | 836.6          | Left Cheek | Closed          | 0.298              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |            |                 | 0.249              | -16.44                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |            |                 | 0.272              | -8.72                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.267              | -10.40                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |            |                 | 0.286              | -4.03                       | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |            |                 | 0.230              | -22.82                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.196              | -34.23                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |            |                 | 0.199              | -33.22                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |            |                 | 0.135              | -45.78                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.093              | -68.83                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 190                                               | 836.6          | Left Tilt  | Closed          | 0.199              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |            |                 | 0.197              | -1.01                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |            |                 | 0.186              | -6.53                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.084              | -57.64                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |            |                 | 0.100              | -49.95                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |            |                 | 0.083              | -58.44                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.060              | -69.70                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |            |                 | 0.061              | -69.45                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |            |                 | 0.042              | -78.89                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.029              | -85.23                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 190                                               | 836.6          | Left Cheek | Open            | 0.269              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |            |                 | 0.257              | -4.46                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |            |                 | 0.266              | -1.12                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.255              | -5.20                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |            |                 | 0.240              | -10.78                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |            |                 | 0.199              | -26.02                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.160              | -40.52                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |            |                 | 0.147              | -45.35                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |            |                 | 0.109              | -59.48                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.079              | -70.52                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 190                                               | 836.6          | Left Tilt  | Open            | 0.146              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |            |                 | 0.144              | -1.37                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |            |                 | 0.144              | -1.37                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.133              | -8.90                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |            |                 | 0.124              | -15.07                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |            |                 | 0.061              | -58.01                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.046              | -68.49                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |            |                 | 0.049              | -66.23                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |            |                 | 0.036              | -74.93                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.026              | -82.05                      | 10     | Cap 1= Min C, Cap 2= Min C |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head - GSM/EDGE/DTM 850 MHz |                |             |                 |                    |                             |        |                            |
|---------------------------------------------------|----------------|-------------|-----------------|--------------------|-----------------------------|--------|----------------------------|
| Channel                                           | Freq.<br>(MHz) | Position    | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                   |
| 190                                               | 836.8          | Right Cheek | Closed          | 0.479              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |             |                 | 0.423              | -11.69                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |             |                 | 0.455              | -5.01                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.440              | -8.14                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |             |                 | 0.473              | -1.25                       | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |             |                 | 0.389              | -18.79                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.291              | -39.25                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |             |                 | 0.291              | -39.25                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |             |                 | 0.201              | -58.04                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.135              | -71.82                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 190                                               | 836.8          | Right Tilt  | Closed          | 0.280              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |             |                 | 0.229              | -18.21                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |             |                 | 0.230              | -17.86                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.215              | -23.21                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |             |                 | 0.223              | -20.36                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |             |                 | 0.184              | -34.29                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.139              | -50.36                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |             |                 | 0.137              | -51.07                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |             |                 | 0.100              | -64.39                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.069              | -75.32                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 190                                               | 836.8          | Right Cheek | Open            | 0.298              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |             |                 | 0.290              | -2.68                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |             |                 | 0.294              | -1.34                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.282              | -5.37                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |             |                 | 0.265              | -11.07                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |             |                 | 0.222              | -25.50                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.174              | -41.61                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |             |                 | 0.162              | -45.64                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |             |                 | 0.121              | -58.28                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.093              | -68.86                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 190                                               | 836.8          | Right Tilt  | Open            | 0.164              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |             |                 | 0.092              | -43.96                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |             |                 | 0.092              | -44.15                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.085              | -48.23                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |             |                 | 0.079              | -51.71                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |             |                 | 0.062              | -62.07                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.047              | -71.28                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |             |                 | 0.052              | -68.60                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |             |                 | 0.037              | -77.38                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.027              | -83.66                      | 10     | Cap 1= Min C, Cap 2= Min C |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Body-Worn (15mm Spacing) - GSM/EDGE/DTM 850 MHz |             |            |                 |                 |                          |        |                            |
|-----------------------------------------------------------------------|-------------|------------|-----------------|-----------------|--------------------------|--------|----------------------------|
| Channel                                                               | Freq. (MHz) | Position   | Slider Position | Max. SAR (W/kg) | % delta from Closed Loop | Scan # | Comments                   |
| 128                                                                   | 824.2       | 15mm Back  | Closed          | 0.413           | 0.00                     | 1      | Closed Loop                |
|                                                                       |             |            |                 | 0.410           | -0.73                    | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                                       |             |            |                 | 0.411           | -0.48                    | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                                       |             |            |                 | 0.375           | -9.20                    | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                                       |             |            |                 | 0.324           | -21.55                   | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                                       |             |            |                 | 0.278           | -32.69                   | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                                       |             |            |                 | 0.226           | -45.28                   | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                                       |             |            |                 | 0.206           | -50.12                   | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                                       |             |            |                 | 0.163           | -60.53                   | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                                       |             |            |                 | 0.126           | -69.49                   | 10     | Cap 1= Min C, Cap 2= Min C |
| 190                                                                   | 836.6       | 15mm Front | Closed          | 0.506           | 0.00                     | 1      | Closed Loop                |
|                                                                       |             |            |                 | 0.445           | -12.06                   | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                                       |             |            |                 | 0.470           | -7.11                    | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                                       |             |            |                 | 0.451           | -10.87                   | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                                       |             |            |                 | 0.481           | -4.94                    | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                                       |             |            |                 | 0.412           | -18.58                   | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                                       |             |            |                 | 0.314           | -37.94                   | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                                       |             |            |                 | 0.315           | -37.75                   | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                                       |             |            |                 | 0.228           | -54.94                   | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                                       |             |            |                 | 0.161           | -68.18                   | 10     | Cap 1= Min C, Cap 2= Min C |

|                   |                      |
|-------------------|----------------------|
| Device Model      | RHK211LW ( STV100-1) |
| Hardware Rev. #   | Rev 4-01             |
| Software Bundle # | AAC273               |
| Date              | 8/18/2015            |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Hotspot (10mm Spacing) - GSM/EDGE/DTM 850 MHz |                |            |                 |                    |                             |        |                            |
|---------------------------------------------------------------------|----------------|------------|-----------------|--------------------|-----------------------------|--------|----------------------------|
| Channel                                                             | Freq.<br>(MHz) | Position   | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                   |
| 190                                                                 | 836.8          | 10mm Back  | Open            | 0.788              | 0.00                        | 1      | Closed Loop                |
|                                                                     |                |            |                 | 0.787              | -0.13                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                                     |                |            |                 | 0.774              | -1.78                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                                     |                |            |                 | 0.714              | -9.39                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                                     |                |            |                 | 0.631              | -19.92                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                                     |                |            |                 | 0.542              | -31.22                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                                     |                |            |                 | 0.447              | -43.27                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                                     |                |            |                 | 0.400              | -49.24                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                                     |                |            |                 | 0.321              | -59.26                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                                     |                |            |                 | 0.257              | -67.39                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 190                                                                 | 836.8          | 10mm Front | Open            | 0.525              | 0.00                        | 1      | Closed Loop                |
|                                                                     |                |            |                 | 0.478              | -8.95                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                                     |                |            |                 | 0.485              | -7.62                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                                     |                |            |                 | 0.451              | -14.10                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                                     |                |            |                 | 0.480              | -8.57                       | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                                     |                |            |                 | 0.409              | -22.10                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                                     |                |            |                 | 0.317              | -39.62                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                                     |                |            |                 | 0.306              | -41.71                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                                     |                |            |                 | 0.226              | -56.95                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                                     |                |            |                 | 0.163              | -68.95                      | 10     | Cap 1= Min C, Cap 2= Min C |

|                   |                      |
|-------------------|----------------------|
| Device Model      | RHK211LW ( STV100-1) |
| Hardware Rev. #   | Rev 4-01             |
| Software Bundle # | AAC273               |
| Date              | 09/16/2015           |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head - WCDMA/UMTS band V 850 MHz |                |            |                 |                    |                             |        |                            |
|--------------------------------------------------------|----------------|------------|-----------------|--------------------|-----------------------------|--------|----------------------------|
| Channel                                                | Freq.<br>(MHz) | Position   | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                   |
| 4182                                                   | 836.4          | Left Cheek | Closed          | 0.287              | 0.00                        | 1      | Closed Loop                |
|                                                        |                |            |                 | 0.228              | -20.56                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                        |                |            |                 | 0.223              | -22.30                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                        |                |            |                 | 0.205              | -28.57                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                        |                |            |                 | 0.272              | -5.23                       | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                        |                |            |                 | 0.232              | -19.16                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                        |                |            |                 | 0.186              | -35.19                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                        |                |            |                 | 0.219              | -23.69                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                        |                |            |                 | 0.151              | -47.39                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                        |                |            |                 | 0.107              | -62.72                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 4182                                                   | 836.4          | Left Tilt  | Closed          | 0.172              | 0.00                        | 1      | Closed Loop                |
|                                                        |                |            |                 | 0.172              | 0.00                        | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                        |                |            |                 | 0.166              | -3.49                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                        |                |            |                 | 0.160              | -6.98                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                        |                |            |                 | 0.115              | -33.14                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                        |                |            |                 | 0.113              | -34.30                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                        |                |            |                 | 0.107              | -37.79                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                        |                |            |                 | 0.067              | -60.87                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                        |                |            |                 | 0.065              | -62.38                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                        |                |            |                 | 0.061              | -64.48                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 4182                                                   | 836.4          | Left Cheek | Open            | 0.196              | 0.00                        | 1      | Closed Loop                |
|                                                        |                |            |                 | 0.196              | 0.00                        | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                        |                |            |                 | 0.194              | -1.02                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                        |                |            |                 | 0.195              | -0.51                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                        |                |            |                 | 0.126              | -35.71                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                        |                |            |                 | 0.127              | -35.20                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                        |                |            |                 | 0.127              | -35.20                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                        |                |            |                 | 0.075              | -61.99                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                        |                |            |                 | 0.077              | -60.87                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                        |                |            |                 | 0.075              | -61.73                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 4182                                                   | 836.4          | Left Tilt  | Open            | 0.117              | 0.00                        | 1      | Closed Loop                |
|                                                        |                |            |                 | 0.116              | -0.85                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                        |                |            |                 | 0.109              | -6.84                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                        |                |            |                 | 0.098              | -16.32                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                        |                |            |                 | 0.114              | -2.56                       | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                        |                |            |                 | 0.098              | -16.58                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                        |                |            |                 | 0.081              | -30.94                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                        |                |            |                 | 0.085              | -27.26                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                        |                |            |                 | 0.066              | -43.93                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                        |                |            |                 | 0.051              | -56.58                      | 10     | Cap 1= Min C, Cap 2= Min C |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head -WCDMA/UMTS band V 850 MHz |                |             |                 |                    |                             |        |                            |
|-------------------------------------------------------|----------------|-------------|-----------------|--------------------|-----------------------------|--------|----------------------------|
| Channel                                               | Freq.<br>(MHz) | Position    | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                   |
| 4233                                                  | 846.6          | Right Cheek | Closed          | 0.356              | 0.00                        | 1      | Closed Loop                |
|                                                       |                |             |                 | 0.249              | -30.06                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                       |                |             |                 | 0.247              | -30.62                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                       |                |             |                 | 0.231              | -35.11                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                       |                |             |                 | 0.334              | -6.18                       | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                       |                |             |                 | 0.293              | -17.70                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                       |                |             |                 | 0.236              | -33.71                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                       |                |             |                 | 0.306              | -14.04                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                       |                |             |                 | 0.221              | -37.92                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                       |                |             |                 | 0.153              | -57.02                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 4182                                                  | 836.4          | Right Tilt  | Closed          | 0.263              | 0.00                        | 1      | Closed Loop                |
|                                                       |                |             |                 | 0.220              | -16.35                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                       |                |             |                 | 0.212              | -19.39                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                       |                |             |                 | 0.195              | -25.86                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                       |                |             |                 | 0.245              | -6.84                       | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                       |                |             |                 | 0.212              | -19.39                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                       |                |             |                 | 0.171              | -34.98                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                       |                |             |                 | 0.191              | -27.38                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                       |                |             |                 | 0.136              | -48.29                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                       |                |             |                 | 0.098              | -62.74                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 4182                                                  | 836.4          | Right Cheek | Open            | 0.231              | 0.00                        | 1      | Closed Loop                |
|                                                       |                |             |                 | 0.227              | -1.73                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                       |                |             |                 | 0.227              | -1.73                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                       |                |             |                 | 0.228              | -1.30                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                       |                |             |                 | 0.150              | -35.06                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                       |                |             |                 | 0.153              | -33.77                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                       |                |             |                 | 0.154              | -33.33                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                       |                |             |                 | 0.088              | -61.90                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                       |                |             |                 | 0.090              | -61.08                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                       |                |             |                 | 0.090              | -60.91                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 4182                                                  | 836.4          | Right Tilt  | Open            | 0.169              | 0.00                        | 1      | Closed Loop                |
|                                                       |                |             |                 | 0.169              | 0.00                        | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                       |                |             |                 | 0.104              | -38.46                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                       |                |             |                 | 0.095              | -43.91                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                       |                |             |                 | 0.110              | -34.91                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                       |                |             |                 | 0.095              | -43.79                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                       |                |             |                 | 0.078              | -53.79                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                       |                |             |                 | 0.081              | -52.19                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                       |                |             |                 | 0.060              | -64.32                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                       |                |             |                 | 0.045              | -73.14                      | 10     | Cap 1= Min C, Cap 2= Min C |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Body-Worn (15mm Spacing) -WCDMA/UMTS band V 850 MHz |             |            |                 |                 |                          |        |                            |
|---------------------------------------------------------------------------|-------------|------------|-----------------|-----------------|--------------------------|--------|----------------------------|
| Channel                                                                   | Freq. (MHz) | Position   | Slider Position | Max. SAR (W/kg) | % delta from Closed Loop | Scan # | Comments                   |
| 4132                                                                      | 826.4       | 15mm Back  | Closed          | 0.390           | 0.00                     | 1      | Closed Loop                |
|                                                                           |             |            |                 | 0.363           | -6.92                    | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                                           |             |            |                 | 0.350           | -10.26                   | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                                           |             |            |                 | 0.323           | -17.18                   | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                                           |             |            |                 | 0.362           | -7.18                    | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                                           |             |            |                 | 0.310           | -20.51                   | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                                           |             |            |                 | 0.263           | -32.56                   | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                                           |             |            |                 | 0.276           | -29.23                   | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                                           |             |            |                 | 0.227           | -41.79                   | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                                           |             |            |                 | 0.185           | -52.56                   | 10     | Cap 1= Min C, Cap 2= Min C |
| 4132                                                                      | 826.4       | 15mm Front | Closed          | 0.458           | 0.00                     | 1      | Closed Loop                |
|                                                                           |             |            |                 | 0.407           | -11.14                   | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                                           |             |            |                 | 0.393           | -14.19                   | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                                           |             |            |                 | 0.363           | -20.74                   | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                                           |             |            |                 | 0.403           | -12.01                   | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                                           |             |            |                 | 0.403           | -12.01                   | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                                           |             |            |                 | 0.309           | -32.53                   | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                                           |             |            |                 | 0.321           | -29.91                   | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                                           |             |            |                 | 0.268           | -41.48                   | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                                           |             |            |                 | 0.216           | -52.84                   | 10     | Cap 1= Min C, Cap 2= Min C |

|                   |                      |
|-------------------|----------------------|
| Device Model      | RHK211LW ( STV100-1) |
| Hardware Rev. #   | Rev 4-01             |
| Software Bundle # | AAC273               |
| Date              | 8/13-14/2015         |

# Single Point SAR Screening for Antenna Tuning States

## BlackBerry Model: RHL211LW

| Measured SAR Values - Head - LTE Band 12 700 MHz (BW 10 MHz) |                |            |                 |                    |                             |        |                             |
|--------------------------------------------------------------|----------------|------------|-----------------|--------------------|-----------------------------|--------|-----------------------------|
| Channel                                                      | Freq.<br>(MHz) | Position   | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                    |
| 23130                                                        | 711.0          | Left Cheek | Closed          | 0.187              | 0.00                        | 1      | Closed Loop                 |
|                                                              |                |            |                 | 0.042              | -77.81                      | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.060              | -67.81                      | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.089              | -52.67                      | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                              |                |            |                 | 0.040              | -78.61                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.068              | -63.58                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.124              | -33.69                      | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                              |                |            |                 | 0.038              | -79.57                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.077              | -58.77                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.171              | -8.56                       | 10     | Cap 1= Min C, Cap 2= Min C  |
| 23130                                                        | 711.0          | Left Tilt  | Closed          | 0.127              | 0.00                        | 1      | Closed Loop                 |
|                                                              |                |            |                 | 0.027              | -78.98                      | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.039              | -69.21                      | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.058              | -54.72                      | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                              |                |            |                 | 0.026              | -79.76                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.045              | -64.49                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.080              | -37.32                      | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                              |                |            |                 | 0.024              | -81.02                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.050              | -60.63                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.111              | -12.60                      | 10     | Cap 1= Min C, Cap 2= Min C  |
| 23130                                                        | 711.0          | Left Cheek | Open            | 0.128              | 0.00                        | 1      | Closed Loop                 |
|                                                              |                |            |                 | 0.026              | -79.92                      | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.038              | -70.08                      | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.057              | -55.16                      | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                              |                |            |                 | 0.026              | -80.08                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.044              | -65.47                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.080              | -37.58                      | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                              |                |            |                 | 0.025              | -80.63                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.052              | -59.53                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.111              | -13.28                      | 10     | Cap 1= Min C, Cap 2= Min C  |
| 23130                                                        | 711.0          | Left Tilt  | Open            | 0.062              | 0.00                        | 1      | Closed Loop                 |
|                                                              |                |            |                 | 0.012              | -79.87                      | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.018              | -70.13                      | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.027              | -56.66                      | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                              |                |            |                 | 0.012              | -80.68                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.021              | -65.26                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.039              | -37.18                      | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                              |                |            |                 | 0.012              | -81.01                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.025              | -59.90                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.056              | -8.77                       | 10     | Cap 1= Min C, Cap 2= Min C  |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head - LTE Band 12 700 MHz (BW 10 MHz) |                |             |                 |                    |                             |        |                            |
|--------------------------------------------------------------|----------------|-------------|-----------------|--------------------|-----------------------------|--------|----------------------------|
| Channel                                                      | Freq.<br>(MHz) | Position    | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                   |
| 23095                                                        | 707.5          | Right Cheek | Closed          | 0.233              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.050              | -78.50                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.075              | -67.94                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.113              | -51.50                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.049              | -78.84                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.086              | -63.22                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.159              | -31.76                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.047              | -79.70                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.098              | -58.07                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.210              | -9.87                       | 10     | Cap 1= Min C, Cap 2= Min C |
| 23130                                                        | 711.0          | Right Tilt  | Closed          | 0.148              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.032              | -78.72                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.046              | -68.92                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.068              | -54.12                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.030              | -79.46                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.052              | -64.93                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.094              | -36.28                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.029              | -80.54                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.060              | -59.73                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.126              | -14.86                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 23130                                                        | 711.0          | Right Cheek | Open            | 0.127              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.026              | -79.84                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.039              | -69.61                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.057              | -55.28                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.026              | -79.69                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.046              | -64.09                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.081              | -36.22                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.025              | -80.71                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.053              | -58.43                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.115              | -9.45                       | 10     | Cap 1= Min C, Cap 2= Min C |
| 23130                                                        | 711.0          | Right Tilt  | Open            | 0.068              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.015              | -77.92                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.022              | -67.40                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.034              | -51.02                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.015              | -78.65                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.027              | -61.26                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.049              | -29.09                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.014              | -78.95                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.031              | -54.53                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.068              | -0.29                       | 10     | Cap 1= Min C, Cap 2= Min C |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Body-Worn (15mm Spacing) - LTE Band 12 700 MHz (BW 10 MHz) |             |            |                 |                 |                          |        |                            |
|----------------------------------------------------------------------------------|-------------|------------|-----------------|-----------------|--------------------------|--------|----------------------------|
| Channel                                                                          | Freq. (MHz) | Position   | Slider Position | Max. SAR (W/kg) | % delta from Closed Loop | Scan # | Comments                   |
| 23130                                                                            | 711.0       | 15mm Back  | Closed          | 0.315           | 0.00                     | 1      | Closed Loop                |
|                                                                                  |             |            |                 | 0.071           | -77.56                   | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                                                  |             |            |                 | 0.103           | -67.30                   | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                                                  |             |            |                 | 0.147           | -53.33                   | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                                                  |             |            |                 | 0.068           | -78.35                   | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                                                  |             |            |                 | 0.113           | -64.13                   | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                                                  |             |            |                 | 0.192           | -39.05                   | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                                                  |             |            |                 | 0.066           | -79.17                   | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                                                  |             |            |                 | 0.123           | -60.95                   | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                                                  |             |            |                 | 0.252           | -20.00                   | 10     | Cap 1= Min C, Cap 2= Min C |
| 23130                                                                            | 711.0       | 15mm Front | Closed          | 0.265           | 0.00                     | 1      | Closed Loop                |
|                                                                                  |             |            |                 | 0.058           | -78.11                   | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                                                  |             |            |                 | 0.084           | -68.38                   | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                                                  |             |            |                 | 0.123           | -53.58                   | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                                                  |             |            |                 | 0.056           | -78.98                   | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                                                  |             |            |                 | 0.092           | -65.28                   | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                                                  |             |            |                 | 0.160           | -39.62                   | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                                                  |             |            |                 | 0.054           | -79.55                   | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                                                  |             |            |                 | 0.102           | -61.51                   | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                                                  |             |            |                 | 0.208           | -21.51                   | 10     | Cap 1= Min C, Cap 2= Min C |

|                   |                      |
|-------------------|----------------------|
| Device Model      | RHL211LW ( STV100-3) |
| Hardware Rev. #   | Rev 4-01             |
| Software Bundle # | AAC273               |
| Date              | 8/27/2015            |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head - LTE Band 17 700 MHz (BW 10 MHz) |                |            |                 |                    |                             |        |                            |
|--------------------------------------------------------------|----------------|------------|-----------------|--------------------|-----------------------------|--------|----------------------------|
| Channel                                                      | Freq.<br>(MHz) | Position   | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                   |
| 23790                                                        | 710.0          | Left Cheek | Closed          | 0.204              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |            |                 | 0.045              | -78.04                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |            |                 | 0.066              | -67.45                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.095              | -53.33                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |            |                 | 0.044              | -78.63                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |            |                 | 0.074              | -63.97                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.129              | -36.76                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |            |                 | 0.043              | -79.07                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |            |                 | 0.084              | -59.07                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.174              | -14.71                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 23790                                                        | 710.0          | Left Tilt  | Closed          | 0.135              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |            |                 | 0.031              | -77.41                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |            |                 | 0.043              | -67.93                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.065              | -51.93                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |            |                 | 0.030              | -77.78                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |            |                 | 0.052              | -61.70                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.088              | -35.11                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |            |                 | 0.029              | -78.74                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |            |                 | 0.057              | -57.70                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.122              | -9.63                       | 10     | Cap 1= Min C, Cap 2= Min C |
| 23790                                                        | 710.0          | Left Cheek | Open            | 0.134              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |            |                 | 0.029              | -78.51                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |            |                 | 0.043              | -67.69                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.063              | -53.36                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |            |                 | 0.029              | -78.73                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |            |                 | 0.050              | -62.84                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.087              | -34.78                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |            |                 | 0.029              | -78.43                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |            |                 | 0.059              | -55.82                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.124              | -7.46                       | 10     | Cap 1= Min C, Cap 2= Min C |
| 23790                                                        | 710.0          | Left Tilt  | Open            | 0.071              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |            |                 | 0.020              | -72.06                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |            |                 | 0.022              | -69.08                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.032              | -54.33                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |            |                 | 0.015              | -78.72                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |            |                 | 0.026              | -62.55                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.046              | -34.75                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |            |                 | 0.015              | -79.01                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |            |                 | 0.031              | -56.45                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |            |                 | 0.066              | -6.67                       | 10     | Cap 1= Min C, Cap 2= Min C |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head - LTE Band 17 700 MHz (BW 10 MHz) |                |             |                 |                    |                             |        |                            |
|--------------------------------------------------------------|----------------|-------------|-----------------|--------------------|-----------------------------|--------|----------------------------|
| Channel                                                      | Freq.<br>(MHz) | Position    | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                   |
| 23780                                                        | 709.0          | Right Cheek | Closed          | 0.220              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.048              | -78.32                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.070              | -68.32                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.104              | -52.73                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.045              | -79.64                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.080              | -63.45                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.139              | -36.82                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.044              | -80.09                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.090              | -59.32                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.189              | -14.09                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 23790                                                        | 710.0          | Right Tilt  | Closed          | 0.146              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.032              | -77.88                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.047              | -67.60                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.069              | -52.53                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.032              | -78.22                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.052              | -64.18                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.093              | -36.44                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.031              | -78.97                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.061              | -58.29                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.126              | -13.70                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 23790                                                        | 710.0          | Right Cheek | Open            | 0.134              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.028              | -79.33                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.044              | -67.54                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.061              | -54.40                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.028              | -79.33                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.049              | -63.13                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.088              | -34.70                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.028              | -79.18                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.056              | -57.99                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.124              | -7.46                       | 10     | Cap 1= Min C, Cap 2= Min C |
| 23790                                                        | 710.0          | Right Tilt  | Open            | 0.078              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.015              | -80.13                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.022              | -71.23                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.034              | -56.77                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.015              | -80.39                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.026              | -66.71                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.047              | -39.23                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.015              | -80.65                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.032              | -59.10                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.067              | -13.94                      | 10     | Cap 1= Min C, Cap 2= Min C |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Body-Worn (15mm Spacing) - LTE Band 17 700 MHz (BW 10 MHz) |                |            |                 |                    |                             |        |                             |
|----------------------------------------------------------------------------------|----------------|------------|-----------------|--------------------|-----------------------------|--------|-----------------------------|
| Channel                                                                          | Freq.<br>(MHz) | Position   | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                    |
| 23780                                                                            | 709.0          | 15mm Back  | Closed          | 0.294              | 0.00                        | 1      | Closed Loop                 |
|                                                                                  |                |            |                 | 0.071              | -75.82                      | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                                                  |                |            |                 | 0.105              | -64.29                      | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                                                  |                |            |                 | 0.147              | -50.00                      | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                                                  |                |            |                 | 0.070              | -76.16                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                                                  |                |            |                 | 0.116              | -60.54                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                                                  |                |            |                 | 0.194              | -34.01                      | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                                                  |                |            |                 | 0.069              | -76.63                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                                                  |                |            |                 | 0.129              | -56.12                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                                                  |                |            |                 | 0.252              | -14.29                      | 10     | Cap 1= Min C, Cap 2= Min C  |
| 23790                                                                            | 710.0          | 15mm Front | Closed          | 0.245              | 0.00                        | 1      | Closed Loop                 |
|                                                                                  |                |            |                 | 0.056              | -76.98                      | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                                                  |                |            |                 | 0.082              | -66.73                      | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                                                  |                |            |                 | 0.122              | -50.20                      | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                                                  |                |            |                 | 0.055              | -77.47                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                                                  |                |            |                 | 0.091              | -62.78                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                                                  |                |            |                 | 0.156              | -36.33                      | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                                                  |                |            |                 | 0.053              | -78.33                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                                                  |                |            |                 | 0.102              | -58.37                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                                                  |                |            |                 | 0.204              | -16.73                      | 10     | Cap 1= Min C, Cap 2= Min C  |

|                   |                      |
|-------------------|----------------------|
| Device Model      | RHL211LW ( STV100-3) |
| Hardware Rev. #   | Rev 4-01             |
| Software Bundle # | AAC273               |
| Date              | 8/25-27/2015         |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head - LTE Band 28 700 MHz (BW 20 MHz) |                |            |                 |                    |                             |        |                             |
|--------------------------------------------------------------|----------------|------------|-----------------|--------------------|-----------------------------|--------|-----------------------------|
| Channel                                                      | Freq.<br>(MHz) | Position   | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                    |
| 27560                                                        | 738.0          | Left Cheek | Closed          | 0.181              | 0.00                        | 1      | Closed Loop                 |
|                                                              |                |            |                 | 0.050              | -72.54                      | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.069              | -61.93                      | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.097              | -46.24                      | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                              |                |            |                 | 0.043              | -76.24                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.068              | -62.38                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.109              | -39.78                      | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                              |                |            |                 | 0.037              | -79.67                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.065              | -64.25                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.122              | -32.60                      | 10     | Cap 1= Min C, Cap 2= Min C  |
| 27560                                                        | 738.0          | Left Tilt  | Closed          | 0.103              | 0.00                        | 1      | Closed Loop                 |
|                                                              |                |            |                 | 0.032              | -69.22                      | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.045              | -56.41                      | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.062              | -39.71                      | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                              |                |            |                 | 0.027              | -73.40                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.043              | -58.35                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.073              | -29.42                      | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                              |                |            |                 | 0.024              | -77.09                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.042              | -59.42                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.080              | -22.62                      | 10     | Cap 1= Min C, Cap 2= Min C  |
| 27560                                                        | 738.0          | Left Cheek | Open            | 0.124              | 0.00                        | 1      | Closed Loop                 |
|                                                              |                |            |                 | 0.036              | -71.29                      | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.050              | -59.68                      | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.071              | -42.58                      | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                              |                |            |                 | 0.033              | -73.71                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.051              | -58.55                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.087              | -29.68                      | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                              |                |            |                 | 0.028              | -77.26                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.049              | -60.56                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.100              | -19.76                      | 10     | Cap 1= Min C, Cap 2= Min C  |
| 27560                                                        | 738.0          | Left Tilt  | Open            | 0.066              | 0.00                        | 1      | Closed Loop                 |
|                                                              |                |            |                 | 0.020              | -69.23                      | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.029              | -56.11                      | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.040              | -39.06                      | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                              |                |            |                 | 0.018              | -73.00                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.029              | -56.56                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.049              | -26.09                      | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                              |                |            |                 | 0.016              | -76.47                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.028              | -58.22                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.060              | -9.95                       | 10     | Cap 1= Min C, Cap 2= Min C  |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head - LTE Band 28 700 MHz (BW 20 MHz) |                |             |                 |                    |                             |        |                             |
|--------------------------------------------------------------|----------------|-------------|-----------------|--------------------|-----------------------------|--------|-----------------------------|
| Channel                                                      | Freq.<br>(MHz) | Position    | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                    |
| 27310                                                        | 713.0          | Right Cheek | Closed          | 0.250              | 0.00                        | 1      | Closed Loop                 |
|                                                              |                |             |                 | 0.049              | -80.24                      | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                              |                |             |                 | 0.072              | -71.08                      | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                              |                |             |                 | 0.104              | -58.40                      | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                              |                |             |                 | 0.046              | -81.44                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                              |                |             |                 | 0.080              | -67.92                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                              |                |             |                 | 0.138              | -44.80                      | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.044              | -82.44                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                              |                |             |                 | 0.085              | -65.84                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                              |                |             |                 | 0.185              | -26.00                      | 10     | Cap 1= Min C, Cap 2= Min C  |
| 27560                                                        | 738.0          | Right Tilt  | Closed          | 0.153              | 0.00                        | 1      | Closed Loop                 |
|                                                              |                |             |                 | 0.048              | -68.82                      | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                              |                |             |                 | 0.067              | -56.27                      | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                              |                |             |                 | 0.093              | -39.54                      | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                              |                |             |                 | 0.041              | -73.14                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                              |                |             |                 | 0.065              | -57.78                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                              |                |             |                 | 0.104              | -32.03                      | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.035              | -77.39                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                              |                |             |                 | 0.061              | -60.00                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                              |                |             |                 | 0.117              | -23.53                      | 10     | Cap 1= Min C, Cap 2= Min C  |
| 27560                                                        | 738.0          | Right Cheek | Open            | 0.148              | 0.00                        | 1      | Closed Loop                 |
|                                                              |                |             |                 | 0.031              | -79.39                      | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                              |                |             |                 | 0.043              | -71.01                      | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                              |                |             |                 | 0.065              | -56.35                      | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                              |                |             |                 | 0.028              | -81.28                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                              |                |             |                 | 0.045              | -69.39                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                              |                |             |                 | 0.082              | -44.80                      | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.025              | -83.04                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                              |                |             |                 | 0.045              | -69.73                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                              |                |             |                 | 0.103              | -30.41                      | 10     | Cap 1= Min C, Cap 2= Min C  |
| 27560                                                        | 738.0          | Right Tilt  | Open            | 0.078              | 0.00                        | 1      | Closed Loop                 |
|                                                              |                |             |                 | 0.017              | -78.70                      | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                              |                |             |                 | 0.025              | -68.37                      | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                              |                |             |                 | 0.037              | -53.06                      | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                              |                |             |                 | 0.016              | -80.10                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                              |                |             |                 | 0.026              | -66.45                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                              |                |             |                 | 0.047              | -40.18                      | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.014              | -82.27                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                              |                |             |                 | 0.027              | -66.20                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                              |                |             |                 | 0.059              | -24.23                      | 10     | Cap 1= Min C, Cap 2= Min C  |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Body-Worn (15mm Spacing) - LTE Band 28 700 MHz (BW 20 MHz) |             |            |                 |                 |                          |        |                             |
|----------------------------------------------------------------------------------|-------------|------------|-----------------|-----------------|--------------------------|--------|-----------------------------|
| Channel                                                                          | Freq. (MHz) | Position   | Slider Position | Max. SAR (W/kg) | % delta from Closed Loop | Scan # | Comments                    |
| 27435                                                                            | 725.5       | 15mm Back  | Closed          | 0.302           | 0.00                     | 1      | Closed Loop                 |
|                                                                                  |             |            |                 | 0.053           | -82.62                   | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                                                  |             |            |                 | 0.082           | -72.88                   | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                                                  |             |            |                 | 0.126           | -58.28                   | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                                                  |             |            |                 | 0.049           | -83.94                   | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                                                  |             |            |                 | 0.086           | -71.69                   | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                                                  |             |            |                 | 0.156           | -48.34                   | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                                                  |             |            |                 | 0.044           | -85.36                   | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                                                  |             |            |                 | 0.089           | -70.53                   | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                                                  |             |            |                 | 0.196           | -35.10                   | 10     | Cap 1= Min C, Cap 2= Min C  |
| 27560                                                                            | 738.0       | 15mm Front | Closed          | 0.266           | 0.00                     | 1      | Closed Loop                 |
|                                                                                  |             |            |                 | 0.075           | -71.84                   | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                                                  |             |            |                 | 0.103           | -61.28                   | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                                                  |             |            |                 | 0.140           | -47.37                   | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                                                  |             |            |                 | 0.064           | -75.98                   | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                                                  |             |            |                 | 0.095           | -64.17                   | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                                                  |             |            |                 | 0.152           | -42.86                   | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                                                  |             |            |                 | 0.054           | -79.70                   | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                                                  |             |            |                 | 0.089           | -66.65                   | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                                                  |             |            |                 | 0.162           | -39.10                   | 10     | Cap 1= Min C, Cap 2= Min C  |

|                   |                      |
|-------------------|----------------------|
| Device Model      | RHL211LW ( STV100-3) |
| Hardware Rev. #   | Rev 4-01             |
| Software Bundle # | AAC273               |
| Date              | 8/29/2015            |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head - GSM/EDGE/DTM 850 MHz |                |            |                 |                    |                             |        |                            |
|---------------------------------------------------|----------------|------------|-----------------|--------------------|-----------------------------|--------|----------------------------|
| Channel                                           | Freq.<br>(MHz) | Position   | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                   |
| 190                                               | 836.6          | Left Cheek | Closed          | 0.273              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |            |                 | 0.271              | -0.73                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |            |                 | 0.269              | -1.47                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.261              | -4.40                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |            |                 | 0.166              | -39.19                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |            |                 | 0.161              | -41.03                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.148              | -45.79                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |            |                 | 0.084              | -69.41                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |            |                 | 0.075              | -72.53                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.072              | -73.77                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 190                                               | 836.6          | Left Tilt  | Closed          | 0.207              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |            |                 | 0.202              | -2.42                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |            |                 | 0.203              | -1.93                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.198              | -4.35                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |            |                 | 0.091              | -56.28                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |            |                 | 0.088              | -57.49                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.085              | -58.94                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |            |                 | 0.045              | -78.07                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |            |                 | 0.044              | -78.79                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.000              | -99.97                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 190                                               | 836.6          | Left Cheek | Open            | 0.213              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |            |                 | 0.212              | -0.47                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |            |                 | 0.206              | -3.29                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.209              | -1.88                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |            |                 | 0.098              | -54.23                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |            |                 | 0.100              | -53.19                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.104              | -51.17                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |            |                 | 0.050              | -76.71                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |            |                 | 0.050              | -76.34                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.059              | -72.16                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 190                                               | 836.6          | Left Tilt  | Open            | 0.122              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |            |                 | 0.115              | -5.74                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |            |                 | 0.120              | -1.64                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.122              | 0.00                        | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |            |                 | 0.057              | -53.61                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |            |                 | 0.058              | -52.62                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.067              | -45.00                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |            |                 | 0.033              | -72.79                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |            |                 | 0.034              | -72.38                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.018              | -85.41                      | 10     | Cap 1= Min C, Cap 2= Min C |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head - GSM/EDGE/DTM 850 MHz |                |             |                 |                    |                             |        |                            |
|---------------------------------------------------|----------------|-------------|-----------------|--------------------|-----------------------------|--------|----------------------------|
| Channel                                           | Freq.<br>(MHz) | Position    | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                   |
| 251                                               | 848.8          | Right Cheek | Closed          | 0.410              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |             |                 | 0.407              | -0.73                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |             |                 | 0.393              | -4.15                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.368              | -10.24                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |             |                 | 0.261              | -36.34                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |             |                 | 0.235              | -42.68                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.208              | -49.27                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |             |                 | 0.130              | -68.29                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |             |                 | 0.132              | -67.80                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.133              | -67.56                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 190                                               | 836.8          | Right Tilt  | Closed          | 0.197              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |             |                 | 0.195              | -1.02                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |             |                 | 0.196              | -0.51                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.195              | -1.02                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |             |                 | 0.098              | -50.25                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |             |                 | 0.098              | -50.10                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.097              | -50.81                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |             |                 | 0.051              | -74.01                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |             |                 | 0.051              | -74.31                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.048              | -75.48                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 190                                               | 836.8          | Right Cheek | Open            | 0.230              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |             |                 | 0.209              | -9.13                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |             |                 | 0.220              | -4.35                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.229              | -0.43                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |             |                 | 0.113              | -50.87                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |             |                 | 0.116              | -49.57                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.121              | -47.39                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |             |                 | 0.120              | -47.83                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |             |                 | 0.063              | -72.43                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.065              | -71.91                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 190                                               | 836.8          | Right Tilt  | Open            | 0.132              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |             |                 | 0.122              | -7.58                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |             |                 | 0.129              | -2.27                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.129              | -2.27                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |             |                 | 0.062              | -53.03                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |             |                 | 0.063              | -51.97                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.066              | -50.38                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |             |                 | 0.033              | -75.23                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |             |                 | 0.034              | -72.54                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.034              | -74.55                      | 10     | Cap 1= Min C, Cap 2= Min C |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Body-Worn (15mm Spacing) - GSM/EDGE/DTM 850 MHz |             |            |                 |                 |                          |        |                             |
|-----------------------------------------------------------------------|-------------|------------|-----------------|-----------------|--------------------------|--------|-----------------------------|
| Channel                                                               | Freq. (MHz) | Position   | Slider Position | Max. SAR (W/kg) | % delta from Closed Loop | Scan # | Comments                    |
| 251                                                                   | 848.8       | 15mm Back  | Closed          | 0.289           | 0.00                     | 1      | Closed Loop                 |
|                                                                       |             |            |                 | 0.283           | -2.08                    | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                                       |             |            |                 | 0.286           | -1.04                    | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                                       |             |            |                 | 0.284           | -1.73                    | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                                       |             |            |                 | 0.155           | -46.37                   | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                                       |             |            |                 | 0.154           | -46.71                   | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                                       |             |            |                 | 0.147           | -49.13                   | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                                       |             |            |                 | 0.093           | -67.68                   | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                                       |             |            |                 | 0.090           | -68.93                   | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                                       |             |            |                 | 0.085           | -70.52                   | 10     | Cap 1= Min C, Cap 2= Min C  |
| 190                                                                   | 836.6       | 15mm Front | Closed          | 0.384           | 0.00                     | 1      | Closed Loop                 |
|                                                                       |             |            |                 | 0.383           | -0.26                    | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                                       |             |            |                 | 0.376           | -2.08                    | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                                       |             |            |                 | 0.356           | -7.29                    | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                                       |             |            |                 | 0.248           | -35.42                   | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                                       |             |            |                 | 0.229           | -40.36                   | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                                       |             |            |                 | 0.201           | -47.66                   | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                                       |             |            |                 | 0.121           | -68.49                   | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                                       |             |            |                 | 0.118           | -69.27                   | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                                       |             |            |                 | 0.112           | -70.83                   | 10     | Cap 1= Min C, Cap 2= Min C  |

|                   |                      |
|-------------------|----------------------|
| Device Model      | RHL211LW ( STV100-3) |
| Hardware Rev. #   | Rev 4-01             |
| Software Bundle # | AAC273               |
| Date              | 8/19-20/2015         |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Hotspot (10mm Spacing) - GSM/EDGE/DTM 850 MHz |             |            |                 |                 |                          |        |                            |
|---------------------------------------------------------------------|-------------|------------|-----------------|-----------------|--------------------------|--------|----------------------------|
| Channel                                                             | Freq. (MHz) | Position   | Slider Position | Max. SAR (W/kg) | % delta from Closed Loop | Scan # | Comments                   |
| 251                                                                 | 848.8       | 10mm Back  | Open            | 0.692           | 0.00                     | 1      | Closed Loop                |
|                                                                     |             |            |                 | 0.612           | -11.56                   | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                                     |             |            |                 | 0.602           | -13.01                   | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                                     |             |            |                 | 0.566           | -18.21                   | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                                     |             |            |                 | 0.408           | -41.04                   | 5      | Cap 1= Max C, Cap 2= Max C |
|                                                                     |             |            |                 | 0.397           | -42.63                   | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                                     |             |            |                 | 0.362           | -47.69                   | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                                     |             |            |                 | 0.207           | -70.09                   | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                                     |             |            |                 | 0.188           | -72.83                   | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                                     |             |            |                 | 0.166           | -76.01                   | 10     | Cap 1= Min C, Cap 2= Min C |
| 190                                                                 | 836.8       | 10mm Front | Closed          | 0.404           | 0.00                     | 1      | Closed Loop                |
|                                                                     |             |            |                 | 0.403           | -0.25                    | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                                     |             |            |                 | 0.403           | -0.25                    | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                                     |             |            |                 | 0.400           | -0.99                    | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                                     |             |            |                 | 0.233           | -42.33                   | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                                     |             |            |                 | 0.229           | -43.32                   | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                                     |             |            |                 | 0.218           | -46.04                   | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                                     |             |            |                 | 0.123           | -69.55                   | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                                     |             |            |                 | 0.118           | -70.79                   | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                                     |             |            |                 | 0.111           | -72.52                   | 10     | Cap 1= Min C, Cap 2= Min C |

|                   |                      |
|-------------------|----------------------|
| Device Model      | RHL211LW ( STV100-3) |
| Hardware Rev. #   | Rev 4-01             |
| Software Bundle # | AAC273               |
| Date              | 9/16//2015           |

# Single Point SAR Screening for Antenna Tuning States

## BlackBerry Model: RHM181LW

| Measured SAR Values - Head - LTE Band 17 700 MHz (BW 10 MHz) |             |            |                 |                 |                          |        |                             |
|--------------------------------------------------------------|-------------|------------|-----------------|-----------------|--------------------------|--------|-----------------------------|
| Channel                                                      | Freq. (MHz) | Position   | Slider Position | Max. SAR (W/kg) | % delta from Closed Loop | Scan # | Comments                    |
| 23790                                                        | 710.0       | Left Cheek | Closed          | 0.080           | 0.00                     | 1      | Closed Loop                 |
|                                                              |             |            |                 | 0.039           | -50.69                   | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                              |             |            |                 | 0.052           | -34.72                   | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                              |             |            |                 | 0.076           | -4.28                    | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                              |             |            |                 | 0.032           | -59.50                   | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                              |             |            |                 | 0.045           | -43.02                   | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                              |             |            |                 | 0.074           | -7.30                    | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                              |             |            |                 | 0.026           | -66.79                   | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                              |             |            |                 | 0.040           | -50.06                   | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                              |             |            |                 | 0.070           | -11.45                   | 10     | Cap 1= Min C, Cap 2= Min C  |
| 23790                                                        | 710.0       | Left Tilt  | Closed          | 0.048           | 0.00                     | 1      | Closed Loop                 |
|                                                              |             |            |                 | 0.024           | -51.03                   | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                              |             |            |                 | 0.032           | -34.09                   | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                              |             |            |                 | 0.046           | -4.34                    | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                              |             |            |                 | 0.020           | -59.50                   | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                              |             |            |                 | 0.028           | -42.36                   | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                              |             |            |                 | 0.046           | -4.55                    | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                              |             |            |                 | 0.016           | -66.32                   | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                              |             |            |                 | 0.024           | -49.59                   | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                              |             |            |                 | 0.044           | -9.71                    | 10     | Cap 1= Min C, Cap 2= Min C  |
| 23790                                                        | 710.0       | Left Cheek | Open            | 0.051           | 0.00                     | 1      | Closed Loop                 |
|                                                              |             |            |                 | 0.024           | -53.35                   | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                              |             |            |                 | 0.033           | -35.83                   | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                              |             |            |                 | 0.049           | -4.33                    | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                              |             |            |                 | 0.020           | -60.43                   | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                              |             |            |                 | 0.029           | -42.91                   | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                              |             |            |                 | 0.048           | -5.12                    | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                              |             |            |                 | 0.017           | -66.73                   | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                              |             |            |                 | 0.026           | -49.41                   | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                              |             |            |                 | 0.049           | -3.15                    | 10     | Cap 1= Min C, Cap 2= Min C  |
| 23790                                                        | 710.0       | Left Tilt  | Open            | 0.022           | 0.00                     | 1      | Closed Loop                 |
|                                                              |             |            |                 | 0.010           | -55.71                   | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                              |             |            |                 | 0.014           | -38.39                   | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                              |             |            |                 | 0.021           | -7.14                    | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                              |             |            |                 | 0.008           | -62.59                   | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                              |             |            |                 | 0.012           | -44.64                   | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                              |             |            |                 | 0.021           | -6.70                    | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                              |             |            |                 | 0.007           | -69.15                   | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                              |             |            |                 | 0.011           | -50.45                   | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                              |             |            |                 | 0.021           | -5.36                    | 10     | Cap 1= Min C, Cap 2= Min C  |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head - LTE Band 17 700 MHz (BW 10 MHz) |                |             |                 |                    |                             |        |                            |
|--------------------------------------------------------------|----------------|-------------|-----------------|--------------------|-----------------------------|--------|----------------------------|
| Channel                                                      | Freq.<br>(MHz) | Position    | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                   |
| 23780                                                        | 709.0          | Right Cheek | Closed          | 0.093              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.044              | -52.21                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.062              | -33.48                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.089              | -4.52                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.038              | -59.53                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.053              | -42.52                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.086              | -7.10                       | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.031              | -66.52                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.046              | -50.27                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.082              | -11.84                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 23790                                                        | 710.0          | Right Tilt  | Closed          | 0.058              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.028              | -52.24                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.037              | -35.52                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.056              | -3.10                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.023              | -60.00                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.033              | -42.41                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.054              | -6.38                       | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.020              | -66.21                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.029              | -49.66                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.054              | -7.59                       | 10     | Cap 1= Min C, Cap 2= Min C |
| 23790                                                        | 710.0          | Right Cheek | Open            | 0.059              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.028              | -53.63                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.038              | -35.92                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.057              | -4.55                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.023              | -60.88                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.034              | -42.50                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.059              | -1.35                       | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.057              | -4.55                       | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.031              | -47.39                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.058              | -2.36                       | 10     | Cap 1= Min C, Cap 2= Min C |
| 23790                                                        | 710.0          | Right Tilt  | Open            | 0.032              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.014              | -55.28                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.020              | -38.82                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.030              | -6.83                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.012              | -62.42                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.018              | -44.41                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.031              | -4.35                       | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.010              | -68.32                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.016              | -50.00                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.031              | -4.04                       | 10     | Cap 1= Min C, Cap 2= Min C |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Body-Worn (15mm Spacing) - LTE Band 17 700 MHz (BW 10 MHz) |                |            |                 |                    |                             |        |                             |
|----------------------------------------------------------------------------------|----------------|------------|-----------------|--------------------|-----------------------------|--------|-----------------------------|
| Channel                                                                          | Freq.<br>(MHz) | Position   | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                    |
| 23790                                                                            | 710.0          | 15mm Back  | Closed          | 0.132              | 0.00                        | 1      | Closed Loop                 |
|                                                                                  |                |            |                 | 0.067              | -49.02                      | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                                                  |                |            |                 | 0.090              | -32.12                      | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                                                  |                |            |                 | 0.125              | -5.30                       | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                                                  |                |            |                 | 0.054              | -59.02                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                                                  |                |            |                 | 0.076              | -42.73                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                                                  |                |            |                 | 0.119              | -9.85                       | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                                                  |                |            |                 | 0.044              | -66.67                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                                                  |                |            |                 | 0.065              | -51.14                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                                                  |                |            |                 | 0.111              | -15.91                      | 10     | Cap 1= Min C, Cap 2= Min C  |
| 23790                                                                            | 710.0          | 15mm Front | Closed          | 0.110              | 0.00                        | 1      | Closed Loop                 |
|                                                                                  |                |            |                 | 0.057              | -48.64                      | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                                                  |                |            |                 | 0.074              | -32.36                      | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                                                  |                |            |                 | 0.107              | -2.73                       | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                                                  |                |            |                 | 0.045              | -58.73                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                                                  |                |            |                 | 0.064              | -41.91                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                                                  |                |            |                 | 0.101              | -8.18                       | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                                                  |                |            |                 | 0.038              | -65.91                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                                                  |                |            |                 | 0.056              | -49.27                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                                                  |                |            |                 | 0.095              | -13.45                      | 10     | Cap 1= Min C, Cap 2= Min C  |

|                   |                      |
|-------------------|----------------------|
| Device Model      | RHM181LW ( STV100-4) |
| Hardware Rev. #   | Rev 2-01             |
| Software Bundle # | AAC273               |
| Date              | 8/27/2015            |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head - LTE Band 28 700 MHz (BW 10 MHz) |                |            |                 |                    |                             |        |                             |
|--------------------------------------------------------------|----------------|------------|-----------------|--------------------|-----------------------------|--------|-----------------------------|
| Channel                                                      | Freq.<br>(MHz) | Position   | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                    |
| 27560                                                        | 738.0          | Left Cheek | Closed          | 0.108              | 0.00                        | 1      | Closed Loop                 |
|                                                              |                |            |                 | 0.040              | -63.33                      | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.050              | -53.43                      | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.068              | -36.76                      | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                              |                |            |                 | 0.030              | -72.31                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.040              | -63.24                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.056              | -48.43                      | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                              |                |            |                 | 0.023              | -78.89                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.031              | -71.20                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.048              | -56.02                      | 10     | Cap 1= Min C, Cap 2= Min C  |
| 27560                                                        | 738.0          | Left Tilt  | Closed          | 0.064              | 0.00                        | 1      | Closed Loop                 |
|                                                              |                |            |                 | 0.025              | -60.94                      | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.033              | -48.66                      | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.045              | -29.76                      | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                              |                |            |                 | 0.020              | -69.13                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.025              | -60.47                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.037              | -42.05                      | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                              |                |            |                 | 0.015              | -76.85                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.020              | -67.87                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.032              | -50.24                      | 10     | Cap 1= Min C, Cap 2= Min C  |
| 27560                                                        | 738.0          | Left Cheek | Open            | 0.070              | 0.00                        | 1      | Closed Loop                 |
|                                                              |                |            |                 | 0.016              | -77.54                      | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.021              | -70.10                      | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.028              | -59.37                      | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                              |                |            |                 | 0.012              | -82.37                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.016              | -76.68                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.025              | -64.52                      | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                              |                |            |                 | 0.009              | -86.67                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.014              | -80.69                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.021              | -69.38                      | 10     | Cap 1= Min C, Cap 2= Min C  |
| 27560                                                        | 738.0          | Left Tilt  | Open            | 0.037              | 0.00                        | 1      | Closed Loop                 |
|                                                              |                |            |                 | 0.016              | -55.89                      | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.021              | -43.56                      | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.028              | -22.19                      | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                              |                |            |                 | 0.012              | -66.58                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.017              | -53.15                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.025              | -32.33                      | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                              |                |            |                 | 0.009              | -74.36                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                              |                |            |                 | 0.014              | -62.74                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                              |                |            |                 | 0.021              | -41.64                      | 10     | Cap 1= Min C, Cap 2= Min C  |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head - LTE Band 28 700 MHz (BW 20 MHz) |                |             |                 |                    |                             |        |                            |
|--------------------------------------------------------------|----------------|-------------|-----------------|--------------------|-----------------------------|--------|----------------------------|
| Channel                                                      | Freq.<br>(MHz) | Position    | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                   |
| 27560                                                        | 738.0          | Right Cheek | Closed          | 0.124              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.050              | -60.08                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.063              | -49.03                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.086              | -30.48                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.037              | -69.92                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.049              | -60.32                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.072              | -42.10                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.028              | -77.42                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.039              | -68.47                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.040              | -67.50                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 27560                                                        | 738.0          | Right Tilt  | Closed          | 0.076              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.030              | -59.74                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.039              | -48.74                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.053              | -30.07                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.022              | -70.33                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.031              | -59.34                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.044              | -41.59                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.018              | -76.82                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.024              | -67.95                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.038              | -50.33                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 27560                                                        | 738.0          | Right Cheek | Open            | 0.080              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.034              | -57.23                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.045              | -44.03                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.061              | -23.52                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.026              | -67.67                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.035              | -55.47                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.054              | -31.57                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.020              | -74.84                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.028              | -64.28                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.028              | -64.28                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 27560                                                        | 738.0          | Right Tilt  | Open            | 0.042              | 0.00                        | 1      | Closed Loop                |
|                                                              |                |             |                 | 0.019              | -55.85                      | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                              |                |             |                 | 0.025              | -41.29                      | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.034              | -20.05                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                              |                |             |                 | 0.015              | -65.39                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                              |                |             |                 | 0.020              | -51.55                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.030              | -29.59                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                              |                |             |                 | 0.011              | -73.51                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                              |                |             |                 | 0.016              | -62.29                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                              |                |             |                 | 0.025              | -39.38                      | 10     | Cap 1= Min C, Cap 2= Min C |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Body-Worn (15mm Spacing) - LTE Band 28 700 MHz (BW 20 MHz) |             |            |                 |                 |                          |        |                            |
|----------------------------------------------------------------------------------|-------------|------------|-----------------|-----------------|--------------------------|--------|----------------------------|
| Channel                                                                          | Freq. (MHz) | Position   | Slider Position | Max. SAR (W/kg) | % delta from Closed Loop | Scan # | Comments                   |
| 27560                                                                            | 738.0       | 15mm Back  | Closed          | 0.198           | 0.00                     | 1      | Closed Loop                |
|                                                                                  |             |            |                 | 0.066           | -66.46                   | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                                                  |             |            |                 | 0.083           | -57.88                   | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                                                  |             |            |                 | 0.110           | -44.44                   | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                                                  |             |            |                 | 0.049           | -75.30                   | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                                                  |             |            |                 | 0.064           | -67.83                   | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                                                  |             |            |                 | 0.090           | -54.34                   | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                                                  |             |            |                 | 0.037           | -81.41                   | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                                                  |             |            |                 | 0.049           | -75.05                   | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                                                  |             |            |                 | 0.075           | -62.32                   | 10     | Cap 1= Min C, Cap 2= Min C |
| 27560                                                                            | 738.0       | 15mm Front | Closed          | 0.188           | 0.00                     | 1      | Closed Loop                |
|                                                                                  |             |            |                 | 0.060           | -68.19                   | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                                                  |             |            |                 | 0.076           | -59.47                   | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                                                  |             |            |                 | 0.100           | -46.81                   | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                                                  |             |            |                 | 0.045           | -76.22                   | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                                                  |             |            |                 | 0.058           | -69.20                   | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                                                  |             |            |                 | 0.081           | -56.76                   | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                                                  |             |            |                 | 0.033           | -82.34                   | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                                                  |             |            |                 | 0.046           | -75.32                   | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                                                  |             |            |                 | 0.068           | -63.88                   | 10     | Cap 1= Min C, Cap 2= Min C |

|                   |                      |
|-------------------|----------------------|
| Device Model      | RHM181LW ( STV100-4) |
| Hardware Rev. #   | Rev 2-01             |
| Software Bundle # | AAC273               |
| Date              | 8/28/2015            |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head - GSM/EDGE/DTM 850 MHz |                |            |                 |                    |                             |        |                            |
|---------------------------------------------------|----------------|------------|-----------------|--------------------|-----------------------------|--------|----------------------------|
| Channel                                           | Freq.<br>(MHz) | Position   | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                   |
| 190                                               | 836.6          | Left Cheek | Closed          | 0.319              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |            |                 | 0.319              | 0.00                        | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |            |                 | 0.304              | -4.70                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.275              | -13.79                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |            |                 | 0.181              | -43.26                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |            |                 | 0.161              | -49.53                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.134              | -57.99                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |            |                 | 0.086              | -73.10                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |            |                 | 0.075              | -76.39                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.061              | -80.78                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 190                                               | 836.6          | Left Tilt  | Closed          | 0.207              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |            |                 | 0.204              | -1.45                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |            |                 | 0.196              | -5.31                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.179              | -13.53                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |            |                 | 0.115              | -44.44                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |            |                 | 0.105              | -49.28                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.091              | -56.18                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |            |                 | 0.056              | -73.09                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |            |                 | 0.050              | -75.85                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.043              | -79.32                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 190                                               | 836.6          | Left Cheek | Open            | 0.224              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |            |                 | 0.221              | -1.34                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |            |                 | 0.216              | -3.57                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.209              | -6.70                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |            |                 | 0.116              | -48.21                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |            |                 | 0.111              | -50.45                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.103              | -54.02                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |            |                 | 0.057              | -74.38                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |            |                 | 0.054              | -75.80                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.050              | -77.90                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 190                                               | 836.6          | Left Tilt  | Open            | 0.128              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |            |                 | 0.127              | -0.78                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |            |                 | 0.125              | -2.34                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.119              | -7.03                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |            |                 | 0.066              | -48.13                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |            |                 | 0.062              | -51.56                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.057              | -55.78                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |            |                 | 0.032              | -75.16                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |            |                 | 0.030              | -76.95                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |            |                 | 0.027              | -78.83                      | 10     | Cap 1= Min C, Cap 2= Min C |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head - GSM/EDGE/DTM 850 MHz |                |             |                 |                    |                             |        |                            |
|---------------------------------------------------|----------------|-------------|-----------------|--------------------|-----------------------------|--------|----------------------------|
| Channel                                           | Freq.<br>(MHz) | Position    | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                   |
| 190                                               | 836.8          | Right Cheek | Closed          | 0.443              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |             |                 | 0.443              | 0.00                        | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |             |                 | 0.418              | -5.64                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.380              | -14.22                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |             |                 | 0.368              | -16.93                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |             |                 | 0.324              | -26.86                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.249              | -43.79                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |             |                 | 0.187              | -57.79                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |             |                 | 0.146              | -67.04                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.106              | -76.07                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 190                                               | 836.8          | Right Tilt  | Closed          | 0.259              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |             |                 | 0.254              | -1.93                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |             |                 | 0.243              | -6.18                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.222              | -14.29                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |             |                 | 0.143              | -44.79                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |             |                 | 0.125              | -51.74                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.110              | -57.53                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |             |                 | 0.068              | -73.90                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |             |                 | 0.059              | -77.10                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.051              | -80.42                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 190                                               | 836.8          | Right Cheek | Open            | 0.268              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |             |                 | 0.265              | -1.12                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |             |                 | 0.263              | -1.87                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.261              | -2.61                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |             |                 | 0.262              | -2.24                       | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |             |                 | 0.264              | -1.49                       | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.124              | -53.73                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |             |                 | 0.070              | -74.03                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |             |                 | 0.066              | -75.37                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.066              | -75.37                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 190                                               | 836.8          | Right Tilt  | Open            | 0.149              | 0.00                        | 1      | Closed Loop                |
|                                                   |                |             |                 | 0.148              | -0.67                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                   |                |             |                 | 0.145              | -2.68                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.136              | -8.72                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                   |                |             |                 | 0.075              | -50.00                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                   |                |             |                 | 0.070              | -53.15                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.064              | -57.05                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                   |                |             |                 | 0.036              | -76.04                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                   |                |             |                 | 0.033              | -77.92                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                   |                |             |                 | 0.031              | -79.40                      | 10     | Cap 1= Min C, Cap 2= Min C |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Body-Worn (15mm Spacing) - GSM/EDGE/DTM 850 MHz |             |            |                 |                 |                          |        |                            |
|-----------------------------------------------------------------------|-------------|------------|-----------------|-----------------|--------------------------|--------|----------------------------|
| Channel                                                               | Freq. (MHz) | Position   | Slider Position | Max. SAR (W/kg) | % delta from Closed Loop | Scan # | Comments                   |
| 128                                                                   | 824.2       | 15mm Back  | Closed          | 0.374           | 0.00                     | 1      | Closed Loop                |
|                                                                       |             |            |                 | 0.372           | -0.53                    | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                                       |             |            |                 | 0.358           | -4.28                    | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                                       |             |            |                 | 0.333           | -10.96                   | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                                       |             |            |                 | 0.210           | -43.85                   | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                                       |             |            |                 | 0.192           | -48.66                   | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                                       |             |            |                 | 0.167           | -55.35                   | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                                       |             |            |                 | 0.103           | -72.46                   | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                                       |             |            |                 | 0.092           | -75.51                   | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                                       |             |            |                 | 0.078           | -79.06                   | 10     | Cap 1= Min C, Cap 2= Min C |
| 190                                                                   | 836.6       | 15mm Front | Closed          | 0.447           | 0.00                     | 1      | Closed Loop                |
|                                                                       |             |            |                 | 0.440           | -1.57                    | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                                       |             |            |                 | 0.427           | -4.47                    | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                                       |             |            |                 | 0.397           | -11.19                   | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                                       |             |            |                 | 0.260           | -41.83                   | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                                       |             |            |                 | 0.237           | -46.98                   | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                                       |             |            |                 | 0.210           | -53.02                   | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                                       |             |            |                 | 0.130           | -70.92                   | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                                       |             |            |                 | 0.114           | -74.50                   | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                                       |             |            |                 | 0.115           | -74.27                   | 10     | Cap 1= Min C, Cap 2= Min C |

|                   |                      |
|-------------------|----------------------|
| Device Model      | RHM181LW ( STV100-4) |
| Hardware Rev. #   | Rev 2-01             |
| Software Bundle # | AAC273               |
| Date              | 8/21/2015            |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Hotspot (10mm Spacing) - GSM/EDGE/DTM 850 MHz |             |            |                 |                 |                          |        |                            |
|---------------------------------------------------------------------|-------------|------------|-----------------|-----------------|--------------------------|--------|----------------------------|
| Channel                                                             | Freq. (MHz) | Position   | Slider Position | Max. SAR (W/kg) | % delta from Closed Loop | Scan # | Comments                   |
| 190                                                                 | 836.8       | 10mm Back  | Open            | 0.895           | 0.00                     | 1      | Closed Loop                |
|                                                                     |             |            |                 | 0.894           | -0.11                    | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                                     |             |            |                 | 0.831           | -7.15                    | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                                     |             |            |                 | 0.773           | -13.63                   | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                                     |             |            |                 | 0.507           | -43.35                   | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                                     |             |            |                 | 0.474           | -47.04                   | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                                     |             |            |                 | 0.420           | -53.07                   | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                                     |             |            |                 | 0.252           | -71.84                   | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                                     |             |            |                 | 0.228           | -74.53                   | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                                     |             |            |                 | 0.196           | -78.10                   | 10     | Cap 1= Min C, Cap 2= Min C |
| 128                                                                 | 824.2       | 10mm Front | Closed          | 0.358           | 0.00                     | 1      | Closed Loop                |
|                                                                     |             |            |                 | 0.349           | -2.51                    | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                                     |             |            |                 | 0.349           | -2.51                    | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                                     |             |            |                 | 0.345           | -3.63                    | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                                     |             |            |                 | 0.196           | -45.25                   | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                                     |             |            |                 | 0.196           | -45.25                   | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                                     |             |            |                 | 0.188           | -47.49                   | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                                     |             |            |                 | 0.105           | -70.67                   | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                                     |             |            |                 | 0.103           | -71.23                   | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                                     |             |            |                 | 0.097           | -72.99                   | 10     | Cap 1= Min C, Cap 2= Min C |

|                   |                      |
|-------------------|----------------------|
| Device Model      | RHM181LW ( STV100-4) |
| Hardware Rev. #   | Rev 2-01             |
| Software Bundle # | AAC273               |
| Date              | 9/16/2015            |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head -WCDMA/UMTS band V 850 MHz |                |            |                 |                    |                             |        |                            |
|-------------------------------------------------------|----------------|------------|-----------------|--------------------|-----------------------------|--------|----------------------------|
| Channel                                               | Freq.<br>(MHz) | Position   | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                   |
| 4182                                                  | 836.4          | Left Cheek | Closed          | 0.251              | 0.00                        | 1      | Closed Loop                |
|                                                       |                |            |                 | 0.251              | 0.00                        | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                       |                |            |                 | 0.231              | -7.97                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                       |                |            |                 | 0.204              | -18.73                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                       |                |            |                 | 0.190              | -24.30                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                       |                |            |                 | 0.169              | -32.67                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                       |                |            |                 | 0.145              | -42.23                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                       |                |            |                 | 0.106              | -57.77                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                       |                |            |                 | 0.094              | -62.71                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                       |                |            |                 | 0.078              | -68.76                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 4182                                                  | 836.4          | Left Tilt  | Closed          | 0.135              | 0.00                        | 1      | Closed Loop                |
|                                                       |                |            |                 | 0.134              | -0.74                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                       |                |            |                 | 0.135              | 0.00                        | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                       |                |            |                 | 0.135              | 0.00                        | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                       |                |            |                 | 0.113              | -16.30                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                       |                |            |                 | 0.130              | -3.70                       | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                       |                |            |                 | 0.091              | -32.59                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                       |                |            |                 | 0.063              | -53.26                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                       |                |            |                 | 0.056              | -58.22                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                       |                |            |                 | 0.049              | -63.41                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 4182                                                  | 836.4          | Left Cheek | Open            | 0.191              | 0.00                        | 1      | Closed Loop                |
|                                                       |                |            |                 | 0.187              | -2.09                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                       |                |            |                 | 0.182              | -4.71                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                       |                |            |                 | 0.171              | -10.47                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                       |                |            |                 | 0.128              | -32.98                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                       |                |            |                 | 0.122              | -36.13                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                       |                |            |                 | 0.114              | -40.31                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                       |                |            |                 | 0.072              | -62.46                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                       |                |            |                 | 0.068              | -64.61                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                       |                |            |                 | 0.063              | -66.91                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 4182                                                  | 836.4          | Left Tilt  | Open            | 0.115              | 0.00                        | 1      | Closed Loop                |
|                                                       |                |            |                 | 0.114              | -0.87                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                       |                |            |                 | 0.110              | -4.35                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                       |                |            |                 | 0.102              | -11.30                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                       |                |            |                 | 0.075              | -34.87                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                       |                |            |                 | 0.071              | -38.35                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                       |                |            |                 | 0.066              | -42.61                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                       |                |            |                 | 0.042              | -63.91                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                       |                |            |                 | 0.039              | -66.09                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                       |                |            |                 | 0.036              | -68.78                      | 10     | Cap 1= Min C, Cap 2= Min C |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Head -WCDMA/UMTS band V 850 MHz |                |             |                 |                    |                             |        |                             |
|-------------------------------------------------------|----------------|-------------|-----------------|--------------------|-----------------------------|--------|-----------------------------|
| Channel                                               | Freq.<br>(MHz) | Position    | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                    |
| 4233                                                  | 846.6          | Right Cheek | Closed          | 0.309              | 0.00                        | 1      | Closed Loop                 |
|                                                       |                |             |                 | 0.306              | -19.74                      | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                       |                |             |                 | 0.283              | -22.98                      | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                       |                |             |                 | 0.248              | -32.04                      | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                       |                |             |                 | 0.238              | -42.07                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                       |                |             |                 | 0.210              | -56.63                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                       |                |             |                 | 0.179              | -62.78                      | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                       |                |             |                 | 0.134              | -68.96                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                       |                |             |                 | 0.115              | -42.39                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                       |                |             |                 | 0.096              | -42.72                      | 10     | Cap 1= Min C, Cap 2= Min C  |
| 4182                                                  | 836.4          | Right Tilt  | Closed          | 0.178              | 0.00                        | 1      | Closed Loop                 |
|                                                       |                |             |                 | 0.177              | -0.56                       | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                       |                |             |                 | 0.164              | -7.87                       | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                       |                |             |                 | 0.148              | -16.85                      | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                       |                |             |                 | 0.130              | -26.97                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                       |                |             |                 | 0.117              | -34.27                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                       |                |             |                 | 0.102              | -42.70                      | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                       |                |             |                 | 0.072              | -59.61                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                       |                |             |                 | 0.064              | -64.33                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                       |                |             |                 | 0.055              | -69.27                      | 10     | Cap 1= Min C, Cap 2= Min C  |
| 4182                                                  | 836.4          | Right Cheek | Open            | 0.216              | 0.00                        | 1      | Closed Loop                 |
|                                                       |                |             |                 | 0.215              | -0.46                       | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                       |                |             |                 | 0.208              | -8.80                       | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                       |                |             |                 | 0.197              | -32.87                      | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                       |                |             |                 | 0.145              | -35.65                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                       |                |             |                 | 0.139              | -40.28                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                       |                |             |                 | 0.129              | -62.08                      | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                       |                |             |                 | 0.082              | -64.21                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                       |                |             |                 | 0.077              | -66.71                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                       |                |             |                 | 0.072              | -76.84                      | 10     | Cap 1= Min C, Cap 2= Min C  |
| 4182                                                  | 836.4          | Right Tilt  | Open            | 0.155              | 0.00                        | 1      | Closed Loop                 |
|                                                       |                |             |                 | 0.115              | -25.81                      | 2      | Cap 1= Max C, Cap 2= Max C  |
|                                                       |                |             |                 | 0.110              | -29.03                      | 3      | Cap 1= Max C, Cap 2= Mid C  |
|                                                       |                |             |                 | 0.103              | -33.55                      | 4      | Cap 1= Max C, Cap 2= Min C  |
|                                                       |                |             |                 | 0.075              | -51.94                      | 5      | Cap 1= Mid C, Cap 2= Max C  |
|                                                       |                |             |                 | 0.070              | -54.58                      | 6      | Cap 1= Mid C, Cap 2= Mid C  |
|                                                       |                |             |                 | 0.066              | -57.48                      | 7      | Cap 1 = Mid C, Cap 2= Min C |
|                                                       |                |             |                 | 0.042              | -73.16                      | 8      | Cap 1= Min C, Cap 2= Max C  |
|                                                       |                |             |                 | 0.039              | -74.84                      | 9      | Cap 1= Min C, Cap 2= Mid C  |
|                                                       |                |             |                 | 0.036              | -76.84                      | 10     | Cap 1= Min C, Cap 2= Min C  |

## Single Point SAR Screening for Antenna Tuning States

| Measured SAR Values - Body-Worn (15mm Spacing) -WCDMA/UMTS band V 850 MHz |                |            |                 |                    |                             |        |                            |
|---------------------------------------------------------------------------|----------------|------------|-----------------|--------------------|-----------------------------|--------|----------------------------|
| Channel                                                                   | Freq.<br>(MHz) | Position   | Slider Position | Max. SAR<br>(W/kg) | % delta from<br>Closed Loop | Scan # | Comments                   |
| 4132                                                                      | 826.4          | 15mm Back  | Closed          | 0.279              | 0.00                        | 1      | Closed Loop                |
|                                                                           |                |            |                 | 0.277              | -0.72                       | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                                           |                |            |                 | 0.260              | -6.81                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                                           |                |            |                 | 0.237              | -15.05                      | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                                           |                |            |                 | 0.210              | -24.73                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                                           |                |            |                 | 0.191              | -31.54                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                                           |                |            |                 | 0.168              | -39.78                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                                           |                |            |                 | 0.119              | -57.35                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                                           |                |            |                 | 0.107              | -61.65                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                                           |                |            |                 | 0.079              | -71.83                      | 10     | Cap 1= Min C, Cap 2= Min C |
| 4132                                                                      | 826.4          | 15mm Front | Closed          | 0.334              | 0.00                        | 1      | Closed Loop                |
|                                                                           |                |            |                 | 0.334              | 0.00                        | 2      | Cap 1= Max C, Cap 2= Max C |
|                                                                           |                |            |                 | 0.322              | -3.59                       | 3      | Cap 1= Max C, Cap 2= Mid C |
|                                                                           |                |            |                 | 0.306              | -8.38                       | 4      | Cap 1= Max C, Cap 2= Min C |
|                                                                           |                |            |                 | 0.250              | -25.15                      | 5      | Cap 1= Mid C, Cap 2= Max C |
|                                                                           |                |            |                 | 0.241              | -27.84                      | 6      | Cap 1= Mid C, Cap 2= Mid C |
|                                                                           |                |            |                 | 0.223              | -33.23                      | 7      | Cap 1= Mid C, Cap 2= Min C |
|                                                                           |                |            |                 | 0.159              | -52.40                      | 8      | Cap 1= Min C, Cap 2= Max C |
|                                                                           |                |            |                 | 0.153              | -54.19                      | 9      | Cap 1= Min C, Cap 2= Mid C |
|                                                                           |                |            |                 | 0.141              | -57.78                      | 10     | Cap 1= Min C, Cap 2= Min C |

|                   |                      |
|-------------------|----------------------|
| Device Model      | RHM181LW ( STV100-4) |
| Hardware Rev. #   | Rev 2-01             |
| Software Bundle # | AAC273               |
| Date              | 8/23/2015            |

