

| Test case |                                       |             |         | Meas power(dBm) | Tune-up (dBm) | Scaling factor | Duty cycle | Duty factor | Meas SAR(w/kg) |        | Report SAR(w/kg) |        |
|-----------|---------------------------------------|-------------|---------|-----------------|---------------|----------------|------------|-------------|----------------|--------|------------------|--------|
| BT (ANT4) | Exposure condition                    | Position    | Channel |                 |               |                |            |             | First          | Second | First            | Second |
| BR        | Head                                  | Left Cheek  | L       | 13.32           | 14.00         | 1.17           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.33           | 14.00         | 1.17           | 100%       | 1.00        | 0.112          | ---    | 0.131            | ---    |
|           |                                       |             | H       | 13.90           | 14.00         | 1.02           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Left tilt   | L       | 13.32           | 14.00         | 1.17           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.33           | 14.00         | 1.17           | 100%       | 1.00        | 0.125          | ---    | 0.146            | ---    |
|           |                                       |             | H       | 13.90           | 14.00         | 1.02           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Right Cheek | L       | 13.32           | 14.00         | 1.17           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.33           | 14.00         | 1.17           | 100%       | 1.00        | 0.150          | ---    | 0.176            | ---    |
|           |                                       |             | H       | 13.90           | 14.00         | 1.02           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Right tilt  | L       | 13.32           | 14.00         | 1.17           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.33           | 14.00         | 1.17           | 100%       | 1.00        | 0.155          | ---    | 0.181            | ---    |
|           |                                       |             | H       | 13.90           | 14.00         | 1.02           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
| BR        | Body-worn                             | Back        | L       | 13.32           | 14.00         | 1.17           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.33           | 14.00         | 1.17           | 100%       | 1.00        | 0.092          | ---    | 0.108            | ---    |
|           |                                       |             | H       | 13.90           | 14.00         | 1.02           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Front       | L       | 13.32           | 14.00         | 1.17           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.33           | 14.00         | 1.17           | 100%       | 1.00        | 0.010          | ---    | 0.012            | ---    |
|           |                                       |             | H       | 13.90           | 14.00         | 1.02           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
| BR        | Hotspot (Support Bluetooth Thetering) | Back        | L       | 13.32           | 14.00         | 1.17           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.33           | 14.00         | 1.17           | 100%       | 1.00        | 0.092          | ---    | 0.108            | ---    |
|           |                                       |             | H       | 13.90           | 14.00         | 1.02           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Front       | L       | 13.32           | 14.00         | 1.17           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.33           | 14.00         | 1.17           | 100%       | 1.00        | 0.010          | ---    | 0.012            | ---    |
|           |                                       |             | H       | 13.90           | 14.00         | 1.02           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Top         | L       | 13.32           | 14.00         | 1.17           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.33           | 14.00         | 1.17           | 100%       | 1.00        | 0.053          | ---    | 0.062            | ---    |
|           |                                       |             | H       | 13.90           | 14.00         | 1.02           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Bottom      | L       | 13.32           | 14.00         | 1.17           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.33           | 14.00         | 1.17           | 100%       | 1.00        | 0.010          | ---    | 0.012            | ---    |
|           |                                       |             | H       | 13.90           | 14.00         | 1.02           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Left        | L       | 13.32           | 14.00         | 1.17           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.33           | 14.00         | 1.17           | 100%       | 1.00        | 0.080          | ---    | 0.094            | ---    |
|           |                                       |             | H       | 13.90           | 14.00         | 1.02           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Right       | L       | 13.32           | 14.00         | 1.17           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.33           | 14.00         | 1.17           | 100%       | 1.00        | 0.010          | ---    | 0.012            | ---    |
|           |                                       |             | H       | 13.90           | 14.00         | 1.02           | 100%       | 1.00        | ---            | ---    | ---              | ---    |

| Test case |                                       |             |         | Meas power(dBm) | Tune-up (dBm) | Scaling factor | Duty cycle | Duty factor | Meas SAR(w/kg) |        | Report SAR(w/kg) |        |
|-----------|---------------------------------------|-------------|---------|-----------------|---------------|----------------|------------|-------------|----------------|--------|------------------|--------|
| BT (ANT8) | Exposure condition                    | Position    | Channel |                 |               |                |            |             | First          | Second | First            | Second |
| BR        | Head                                  | Left Cheek  | L       | 12.95           | 14.00         | 1.27           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.14           | 14.00         | 1.22           | 100%       | 1.00        | 0.053          | ---    | 0.065            | ---    |
|           |                                       |             | H       | 12.45           | 14.00         | 1.43           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Left tilt   | L       | 12.95           | 14.00         | 1.27           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.14           | 14.00         | 1.22           | 100%       | 1.00        | 0.045          | ---    | 0.055            | ---    |
|           |                                       |             | H       | 12.45           | 14.00         | 1.43           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Right Cheek | L       | 12.95           | 14.00         | 1.27           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.14           | 14.00         | 1.22           | 100%       | 1.00        | 0.046          | ---    | 0.056            | ---    |
|           |                                       |             | H       | 12.45           | 14.00         | 1.43           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Right tilt  | L       | 12.95           | 14.00         | 1.27           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.14           | 14.00         | 1.22           | 100%       | 1.00        | 0.049          | ---    | 0.060            | ---    |
|           |                                       |             | H       | 12.45           | 14.00         | 1.43           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
| BR        | Body-worn                             | Back        | L       | 12.95           | 14.00         | 1.27           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.14           | 14.00         | 1.22           | 100%       | 1.00        | 0.045          | ---    | 0.055            | ---    |
|           |                                       |             | H       | 12.45           | 14.00         | 1.43           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Front       | L       | 12.95           | 14.00         | 1.27           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.14           | 14.00         | 1.22           | 100%       | 1.00        | 0.010          | ---    | 0.012            | ---    |
|           |                                       |             | H       | 12.45           | 14.00         | 1.43           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
| BR        | Hotspot (Support Bluetooth Thetering) | Back        | L       | 12.95           | 14.00         | 1.27           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.14           | 14.00         | 1.22           | 100%       | 1.00        | 0.045          | ---    | 0.055            | ---    |
|           |                                       |             | H       | 12.45           | 14.00         | 1.43           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Front       | L       | 12.95           | 14.00         | 1.27           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.14           | 14.00         | 1.22           | 100%       | 1.00        | 0.010          | ---    | 0.012            | ---    |
|           |                                       |             | H       | 12.45           | 14.00         | 1.43           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Top         | L       | 12.95           | 14.00         | 1.27           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.14           | 14.00         | 1.22           | 100%       | 1.00        | 0.010          | ---    | 0.012            | ---    |
|           |                                       |             | H       | 12.45           | 14.00         | 1.43           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Bottom      | L       | 12.95           | 14.00         | 1.27           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.14           | 14.00         | 1.22           | 100%       | 1.00        | 0.010          | ---    | 0.012            | ---    |
|           |                                       |             | H       | 12.45           | 14.00         | 1.43           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Left        | L       | 12.95           | 14.00         | 1.27           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.14           | 14.00         | 1.22           | 100%       | 1.00        | 0.010          | ---    | 0.012            | ---    |
|           |                                       |             | H       | 12.45           | 14.00         | 1.43           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Right       | L       | 12.95           | 14.00         | 1.27           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 13.14           | 14.00         | 1.22           | 100%       | 1.00        | 0.070          | ---    | 0.085            | ---    |
|           |                                       |             | H       | 12.45           | 14.00         | 1.43           | 100%       | 1.00        | ---            | ---    | ---              | ---    |

| Test case |                                       |             |         | Meas power(dBm) | Tune-up (dBm) | Scaling factor | Duty cycle | Duty factor | Meas SAR(w/kg) |        | Report SAR(w/kg) |        |
|-----------|---------------------------------------|-------------|---------|-----------------|---------------|----------------|------------|-------------|----------------|--------|------------------|--------|
| BT (MIMO) | Exposure condition                    | Position    | Channel |                 |               |                |            |             | First          | Second | First            | Second |
| BR        | Head                                  | Left Cheek  | L       | 16.09           | 17.00         | 1.23           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | 0.165          | ---    | 0.196            | ---    |
|           |                                       |             | H       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Left tilt   | L       | 16.09           | 17.00         | 1.23           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | 0.170          | ---    | 0.201            | ---    |
|           |                                       |             | H       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Right Cheek | L       | 16.09           | 17.00         | 1.23           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | 0.196          | ---    | 0.232            | ---    |
|           |                                       |             | H       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Right tilt  | L       | 16.09           | 17.00         | 1.23           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | 0.204          | ---    | 0.241            | ---    |
|           |                                       |             | H       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
| BR        | Body-worn                             | Back        | L       | 16.09           | 17.00         | 1.23           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | 0.137          | ---    | 0.163            | ---    |
|           |                                       |             | H       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Front       | L       | 16.09           | 17.00         | 1.23           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | 0.020          | ---    | 0.024            | ---    |
|           |                                       |             | H       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
| BR        | Hotspot (Support Bluetooth Thetering) | Back        | L       | 16.09           | 17.00         | 1.23           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | 0.137          | ---    | 0.163            | ---    |
|           |                                       |             | H       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Front       | L       | 16.09           | 17.00         | 1.23           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | 0.020          | ---    | 0.024            | ---    |
|           |                                       |             | H       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Top         | L       | 16.09           | 17.00         | 1.23           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | 0.063          | ---    | 0.074            | ---    |
|           |                                       |             | H       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Bottom      | L       | 16.09           | 17.00         | 1.23           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | 0.020          | ---    | 0.024            | ---    |
|           |                                       |             | H       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Left        | L       | 16.09           | 17.00         | 1.23           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | 0.090          | ---    | 0.106            | ---    |
|           |                                       |             | H       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       | Right       | L       | 16.09           | 17.00         | 1.23           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|           |                                       |             | M       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | 0.080          | ---    | 0.097            | ---    |
|           |                                       |             | H       | 16.25           | 17.00         | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |

| Test case   |                    |             |         | Meas power(dBm) | Tune-up(dBm) | Scaling factor | Duty cycle | Duty factor | Meas SAR(w/kg) |        | Report SAR(w/kg) |        |
|-------------|--------------------|-------------|---------|-----------------|--------------|----------------|------------|-------------|----------------|--------|------------------|--------|
| WLAN2.4GH Z | Exposure condition | Position    | Channel |                 |              |                |            |             | First          | Second | First            | Second |
| 802.11b     | Head               | Left Cheek  | L       | 14.53           | 15.00        | 1.11           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|             |                    |             | M       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | 0.047          | ---    | 0.056            | ---    |
|             |                    |             | H       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|             |                    | Left tilt   | L       | 14.53           | 15.00        | 1.11           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|             |                    |             | M       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | 0.052          | ---    | 0.062            | ---    |
|             |                    |             | H       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|             |                    | Right Cheek | L       | 14.53           | 15.00        | 1.11           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|             |                    |             | M       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | 0.051          | ---    | 0.061            | ---    |
|             |                    |             | H       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|             |                    | Right tilt  | L       | 14.53           | 15.00        | 1.11           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|             |                    |             | M       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | 0.056          | ---    | 0.067            | ---    |
|             |                    |             | H       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
| 802.11b     | Body-worn          | Back        | L       | 14.53           | 15.00        | 1.11           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|             |                    |             | M       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | 0.048          | ---    | 0.057            | ---    |
|             |                    |             | H       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|             |                    | Front       | L       | 14.53           | 15.00        | 1.11           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|             |                    |             | M       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | 0.010          | ---    | 0.012            | ---    |
|             |                    |             | H       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
| 802.11b     | Hotspot            | Back        | L       | 14.53           | 15.00        | 1.11           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|             |                    |             | M       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | 0.048          | ---    | 0.057            | ---    |
|             |                    |             | H       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|             |                    | Front       | L       | 14.53           | 15.00        | 1.11           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|             |                    |             | M       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | 0.010          | ---    | 0.012            | ---    |
|             |                    |             | H       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|             |                    | Top         | L       | 14.53           | 15.00        | 1.11           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|             |                    |             | M       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | 0.010          | ---    | 0.012            | ---    |
|             |                    |             | H       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|             |                    | Bottom      | L       | 14.53           | 15.00        | 1.11           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|             |                    |             | M       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | 0.010          | ---    | 0.012            | ---    |
|             |                    |             | H       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|             |                    | Left        | L       | 14.53           | 15.00        | 1.11           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|             |                    |             | M       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | 0.042          | ---    | 0.050            | ---    |
|             |                    |             | H       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|             |                    | Right       | L       | 14.53           | 15.00        | 1.11           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|             |                    |             | M       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | 0.010          | ---    | 0.012            | ---    |
|             |                    |             | H       | 14.26           | 15.00        | 1.19           | 100%       | 1.00        | ---            | ---    | ---              | ---    |

| Test case       |                    |             |         | Meas power(dBm ) | Tune-up(dBm) | Scaling factor | Duty cycle | Duty factor | Meas SAR(w/kg) |        | Report SAR(w/kg) |        |
|-----------------|--------------------|-------------|---------|------------------|--------------|----------------|------------|-------------|----------------|--------|------------------|--------|
| WLAN5GHz UNII-1 | Exposure condition | Position    | Channel |                  |              |                |            |             | First          | Second | First            | Second |
| 802.11a         | Head               | Left Cheek  | L       | 13.82            | 15.00        | 1.31           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                 |                    |             | M       | 13.57            | 15.00        | 1.39           | 100%       | 1.00        | 0.094          | ---    | 0.131            | ---    |
|                 |                    |             | H       | 13.89            | 15.00        | 1.29           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                 |                    | Left tilt   | L       | 13.82            | 15.00        | 1.31           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                 |                    |             | M       | 13.57            | 15.00        | 1.39           | 100%       | 1.00        | 0.076          | ---    | 0.106            | ---    |
|                 |                    |             | H       | 13.89            | 15.00        | 1.29           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                 |                    | Right Cheek | L       | 13.82            | 15.00        | 1.31           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                 |                    |             | M       | 13.57            | 15.00        | 1.39           | 100%       | 1.00        | 0.104          | ---    | 0.145            | ---    |
|                 |                    |             | H       | 13.89            | 15.00        | 1.29           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                 |                    | Right tilt  | L       | 13.82            | 15.00        | 1.31           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                 |                    |             | M       | 13.57            | 15.00        | 1.39           | 100%       | 1.00        | 0.107          | ---    | 0.149            | ---    |
|                 |                    |             | H       | 13.89            | 15.00        | 1.29           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
| 802.11a         | Body-worn          | Back        | L       | 13.82            | 15.00        | 1.31           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                 |                    |             | M       | 13.57            | 15.00        | 1.39           | 100%       | 1.00        | 0.124          | ---    | 0.172            | ---    |
|                 |                    |             | H       | 13.89            | 15.00        | 1.29           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                 |                    | Front       | L       | 13.82            | 15.00        | 1.31           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                 |                    |             | M       | 13.57            | 15.00        | 1.39           | 100%       | 1.00        | 0.069          | ---    | 0.096            | ---    |
|                 |                    |             | H       | 13.89            | 15.00        | 1.29           | 100%       | 1.00        | ---            | ---    | ---              | ---    |

| Test case        |                    |             |         | Meas power(dBm ) | Tune-up(dBm) | Scaling factor | Duty cycle | Duty factor | Meas SAR(w/kg) |        | Report SAR(w/kg) |        |
|------------------|--------------------|-------------|---------|------------------|--------------|----------------|------------|-------------|----------------|--------|------------------|--------|
| WLAN5GHz UNII-2A | Exposure condition | Position    | Channel |                  |              |                |            |             | First          | Second | First            | Second |
| 802.11a          | Head               | Left Cheek  | L       | 13.42            | 15.00        | 1.44           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                  |                    |             | M       | 13.76            | 15.00        | 1.33           | 100%       | 1.00        | 0.093          | ---    | 0.124            | ---    |
|                  |                    |             | H       | 14.02            | 15.00        | 1.25           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                  |                    | Left tilt   | L       | 13.42            | 15.00        | 1.44           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                  |                    |             | M       | 13.76            | 15.00        | 1.33           | 100%       | 1.00        | 0.098          | ---    | 0.130            | ---    |
|                  |                    |             | H       | 14.02            | 15.00        | 1.25           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                  |                    | Right Cheek | L       | 13.42            | 15.00        | 1.44           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                  |                    |             | M       | 13.76            | 15.00        | 1.33           | 100%       | 1.00        | 0.113          | ---    | 0.150            | ---    |
|                  |                    |             | H       | 14.02            | 15.00        | 1.25           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                  |                    | Right tilt  | L       | 13.42            | 15.00        | 1.44           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                  |                    |             | M       | 13.76            | 15.00        | 1.33           | 100%       | 1.00        | 0.108          | ---    | 0.144            | ---    |
|                  |                    |             | H       | 14.02            | 15.00        | 1.25           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
| 802.11a          | Body-worn          | Back        | L       | 13.42            | 15.00        | 1.44           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                  |                    |             | M       | 13.76            | 15.00        | 1.33           | 100%       | 1.00        | 0.123          | ---    | 0.164            | ---    |
|                  |                    |             | H       | 14.02            | 15.00        | 1.25           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                  |                    | Front       | L       | 13.42            | 15.00        | 1.44           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                  |                    |             | M       | 13.76            | 15.00        | 1.33           | 100%       | 1.00        | 0.059          | ---    | 0.078            | ---    |

|  |  |  |   |       |       |      |      |      |     |     |     |     |
|--|--|--|---|-------|-------|------|------|------|-----|-----|-----|-----|
|  |  |  | H | 14.02 | 15.00 | 1.25 | 100% | 1.00 | --- | --- | --- | --- |
|--|--|--|---|-------|-------|------|------|------|-----|-----|-----|-----|

| Test case        |                    |             |         | Meas power(dBm ) | Tune-up(dBm) | Scaling factor | Duty cycle | Duty factor | Meas SAR(w/kg) |        | Report SAR(w/kg) |        |
|------------------|--------------------|-------------|---------|------------------|--------------|----------------|------------|-------------|----------------|--------|------------------|--------|
| WLAN5GHz UNII-2C | Exposure condition | Position    | Channel |                  |              |                |            |             | First          | Second | First            | Second |
| 802.11a          | Head               | Left Cheek  | L       | 13.66            | 15.00        | 1.36           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                  |                    |             | M       | 13.32            | 15.00        | 1.47           | 100%       | 1.00        | 0.021          | ---    | 0.031            | ---    |
|                  |                    |             | H       | 14.48            | 15.00        | 1.13           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                  |                    | Left tilt   | L       | 13.66            | 15.00        | 1.36           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                  |                    |             | M       | 13.32            | 15.00        | 1.47           | 100%       | 1.00        | 0.040          | ---    | 0.059            | ---    |
|                  |                    |             | H       | 14.48            | 15.00        | 1.13           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                  |                    | Right Cheek | L       | 13.66            | 15.00        | 1.36           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                  |                    |             | M       | 13.32            | 15.00        | 1.47           | 100%       | 1.00        | 0.024          | ---    | 0.035            | ---    |
|                  |                    |             | H       | 14.48            | 15.00        | 1.13           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                  |                    | Right tilt  | L       | 13.66            | 15.00        | 1.36           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                  |                    |             | M       | 13.32            | 15.00        | 1.47           | 100%       | 1.00        | 0.039          | ---    | 0.057            | ---    |
|                  |                    |             | H       | 14.48            | 15.00        | 1.13           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
| 802.11a          | Body-worn          | Back        | L       | 13.66            | 15.00        | 1.36           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                  |                    |             | M       | 13.32            | 15.00        | 1.47           | 100%       | 1.00        | 0.064          | ---    | 0.094            | ---    |
|                  |                    |             | H       | 14.48            | 15.00        | 1.13           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                  |                    | Front       | L       | 13.66            | 15.00        | 1.36           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                  |                    |             | M       | 13.32            | 15.00        | 1.47           | 100%       | 1.00        | 0.016          | ---    | 0.024            | ---    |
|                  |                    |             | H       | 14.48            | 15.00        | 1.13           | 100%       | 1.00        | ---            | ---    | ---              | ---    |

| Test case       |                    |             |         | Meas power(dBm ) | Tune-up(dBm) | Scaling factor | Duty cycle | Duty factor | Meas SAR(w/kg) |        | Report SAR(w/kg) |        |
|-----------------|--------------------|-------------|---------|------------------|--------------|----------------|------------|-------------|----------------|--------|------------------|--------|
| WLAN5GHz UNII-3 | Exposure condition | Position    | Channel |                  |              |                |            |             | First          | Second | First            | Second |
| 802.11a         | Head               | Left Cheek  | L       | 13.18            | 15.00        | 1.52           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                 |                    |             | M       | 13.24            | 15.00        | 1.50           | 100%       | 1.00        | 0.056          | ---    | 0.084            | ---    |
|                 |                    |             | H       | 14.01            | 15.00        | 1.26           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                 |                    | Left tilt   | L       | 13.18            | 15.00        | 1.52           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                 |                    |             | M       | 13.24            | 15.00        | 1.50           | 100%       | 1.00        | 0.039          | ---    | 0.059            | ---    |
|                 |                    |             | H       | 14.01            | 15.00        | 1.26           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                 |                    | Right Cheek | L       | 13.18            | 15.00        | 1.52           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                 |                    |             | M       | 13.24            | 15.00        | 1.50           | 100%       | 1.00        | 0.048          | ---    | 0.072            | ---    |
|                 |                    |             | H       | 14.01            | 15.00        | 1.26           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                 |                    | Right tilt  | L       | 13.18            | 15.00        | 1.52           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                 |                    |             | M       | 13.24            | 15.00        | 1.50           | 100%       | 1.00        | 0.053          | ---    | 0.080            | ---    |
|                 |                    |             | H       | 14.01            | 15.00        | 1.26           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
| 802.11a         | Body-worn          | Back        | L       | 13.18            | 15.00        | 1.52           | 100%       | 1.00        | ---            | ---    | ---              | ---    |
|                 |                    |             | M       | 13.24            | 15.00        | 1.50           | 100%       | 1.00        | 0.085          | ---    | 0.128            | ---    |
|                 |                    |             | H       | 14.01            | 15.00        | 1.26           | 100%       | 1.00        | ---            | ---    | ---              | ---    |



BUREAU  
VERITAS

## FCC SAR Test Report



Certificate #6613.01

|  |  |       |   |       |       |      |      |      |       |     |       |     |
|--|--|-------|---|-------|-------|------|------|------|-------|-----|-------|-----|
|  |  | Front | L | 13.18 | 15.00 | 1.52 | 100% | 1.00 | ---   | --- | ---   | --- |
|  |  |       | M | 13.24 | 15.00 | 1.50 | 100% | 1.00 | 0.022 | --- | 0.033 | --- |
|  |  |       | H | 14.01 | 15.00 | 1.26 | 100% | 1.00 | ---   | --- | ---   | --- |

#### 4.6.3 SAR Summation

##### <SAR Summation Analysis>

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna. When the sum of SAR<sub>1g</sub> of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit (SAR<sub>1g</sub> 1.6 W/kg), the simultaneous transmission SAR is not required. When the sum of SAR<sub>1g</sub> is greater than the SAR limit (SAR<sub>1g</sub> 1.6 W/kg), SAR test exclusion is determined by the SPLSR.

The simultaneous transmission possibilities for this device are listed as below.

| Simultaneous TX Combination | Capable Transmit Configurations | Head | Body-worn | Hotspot |
|-----------------------------|---------------------------------|------|-----------|---------|
|                             | WWAN + WLAN2.4G                 | Yes  | Yes       | Yes     |
|                             | WWAN + WLAN5G                   | Yes  | Yes       | NO      |
|                             | WWAN + BT                       | Yes  | Yes       | Yes     |
|                             | WWAN + WLAN5G+BT                | Yes  | Yes       | NO      |

##### Note :

1. The 2.4G WLAN and Bluetooth cannot transmit simultaneously.

| Exposure condition        | Head                   |                        |                       |                        |
|---------------------------|------------------------|------------------------|-----------------------|------------------------|
| Position                  | Left cheek             | Left tilt              | Right cheek           | Right tilt             |
| WWAN SISO1                | LTE Band41             | LTE Band41             | LTE Band5             | LTE Band41             |
| WWAN SISO1                | 0.272                  | 0.248                  | 0.278                 | 0.237                  |
| BT                        | 0.196                  | 0.201                  | 0.232                 | 0.241                  |
| WLAN2.4GHz                | 0.056                  | 0.062                  | 0.061                 | 0.067                  |
| WLAN5GHz                  | 0.131                  | 0.130                  | 0.150                 | 0.149                  |
| +BT                       | 0.468                  | 0.449                  | 0.510                 | 0.478                  |
| +WLAN2.4GHz               | 0.328                  | 0.310                  | 0.339                 | 0.304                  |
| +WLAN5GHz                 | 0.403                  | 0.378                  | 0.428                 | 0.386                  |
| +BT +WLAN5GHz             | 0.599                  | 0.579                  | 0.660                 | 0.627                  |
| +WLAN2.4GHz<br>+WLAN5GHz  | 0.459                  | 0.440                  | 0.489                 | 0.453                  |
| Simultaneous Transmission | LTE Band41+BT+WLAN5GHz | LTE Band41+BT+WLAN5GHz | LTE Band5+BT+WLAN5GHz | LTE Band41+BT+WLAN5GHz |
| Simultaneous Transmission | 0.599                  | 0.579                  | 0.660                 | 0.627                  |

| Exposure condition | Body worn  |            |
|--------------------|------------|------------|
| Position           | Back       | Front      |
| WWAN SISO1         | DC_66A_n5A | LTE Band41 |
| WWAN SISO1         | 0.776      | 0.730      |
| BT                 | 0.163      | 0.024      |
| WLAN2.4GHz         | 0.057      | 0.012      |
| WLAN5GHz           | 0.172      | 0.096      |

|                           |                         |                         |
|---------------------------|-------------------------|-------------------------|
| +BT                       | 0.939                   | 0.754                   |
| +WLAN2.4GHz               | 0.833                   | 0.742                   |
| +WLAN5GHz                 | 0.948                   | 0.826                   |
| +BT +WLAN5GHz             | 1.111                   | 0.850                   |
| +WLAN2.4GHz +WLAN5GHz     | 1.005                   | 0.838                   |
| Simultaneous Transmission | DC_66A_n5A +BT+WLAN5GHz | LTE Band41 +BT+WLAN5GHz |
| Simultaneous Transmission | 1.111                   | 0.850                   |

| Exposure condition        | Hotspot        |                |               |                |               |                 |
|---------------------------|----------------|----------------|---------------|----------------|---------------|-----------------|
| Position                  | Back           | Front          | Top           | Bottom         | Left          | Right           |
| WWAN SISO1                | DC_66A_n5A     | LTE Band41     | LTE Band7     | DC_66A_n5A     | LTE Band38    | DC_13A_n66A     |
| WWAN SISO1                | 0.776          | 0.730          | 0.044         | 0.520          | 0.891         | 0.471           |
| BT                        | 0.163          | 0.024          | 0.074         | 0.024          | 0.106         | 0.097           |
| WLAN2.4GHz                | 0.057          | 0.012          | 0.012         | 0.012          | 0.050         | 0.012           |
| +BT                       | 0.939          | 0.754          | 0.118         | 0.544          | 0.997         | 0.568           |
| +WLAN2.4GHz               | 0.833          | 0.742          | 0.056         | 0.532          | 0.941         | 0.483           |
| Simultaneous Transmission | DC_66A_n5A +BT | LTE Band41 +BT | LTE Band7 +BT | DC_66A_n5A +BT | LTE Band38+BT | DC_13A_n66A +BT |
| Simultaneous Transmission | 0.939          | 0.754          | 0.118         | 0.544          | 0.997         | 0.568           |

#### 4.6.4 NFC

Phones with built-in NFC functions do not require separate SAR testing and can generally be tested according to the SAR measurement procedures normally required for the phone. Influences of the hardware introduced by the built-in NFC functions are inherently considered through testing of the other transmitters that require SAR evaluation.

**Simultaneous transmission exclusion method applied for NFC.**

For NFC  $P_{\text{available}} = P_{\text{th,m}} * (SAR_{\text{limit}} - SAR_1) / SAR_{\text{limit}}$

Head:  $P_{\text{available}} = 20\text{mW} * (1.6 - 0.660) / 1.6 = 11.75\text{mW} = 10.70\text{dBm} > \text{power of NFC}$

Body-worn:  $P_{\text{available}} = 20\text{mW} * (1.6 - 1.111) / 1.6 = 6.11\text{mW} = 7.86\text{dBm} > \text{power of NFC}$

Hotspot:  $P_{\text{available}} = 20\text{mW} * (1.6 - 0.997) / 1.6 = 7.54\text{mW} = 8.77\text{dBm} > \text{power of NFC}$

So the simultaneous transmission SAR test is not required

**Test Engineer :** HuiWen

## 5. Calibration of Test Equipment

| Test Equipment           | Model   | Serial Number | Calibration date | Calibration due data |
|--------------------------|---------|---------------|------------------|----------------------|
| DAE                      | DAE4    | 546           | 2024/09/10       | 2025/09/09           |
| Dosimetric E-field Probe | EX3DV4  | 3708          | 2024/11/27       | 2025/11/26           |
| Dipole Validation Kit    | D750V3  | 1101          | 2023/10/19       | 2026/10/18           |
| Dipole Validation Kit    | D835V2  | 4d023         | 2023/10/25       | 2026/10/24           |
| Dipole Validation Kit    | D900V2  | 171           | 2023/09/19       | 2026/09/18           |
| Dipole Validation Kit    | D1450V2 | 1065          | 2023/10/17       | 2026/10/16           |
| Dipole Validation Kit    | D1800V2 | 2d084         | 2023/09/18       | 2026/09/17           |
| Dipole Validation Kit    | D2000V2 | 1009          | 2023/10/23       | 2026/10/22           |
| Dipole Validation Kit    | D2450V2 | 738           | 2023/10/23       | 2026/10/22           |
| Dipole Validation Kit    | D2600V2 | 1166          | 2022/10/19       | 2025/10/18           |
| Dipole Validation Kit    | D3300V2 | 1014          | 2022/10/19       | 2025/10/18           |
| Dipole Validation Kit    | D3500V2 | 1090          | 2022/10/20       | 2025/10/19           |
| Dipole Validation Kit    | D3700V2 | 1058          | 2022/10/19       | 2025/10/18           |
| Dipole Validation Kit    | D3900V2 | 1033          | 2022/10/21       | 2025/10/20           |
| Dipole Validation Kit    | D4200V2 | 1013          | 2022/10/19       | 2025/10/18           |
| Dipole Validation Kit    | D4600V2 | 1033          | 2022/10/20       | 2025/10/19           |
| Dipole Validation Kit    | D4900V2 | 1025          | 2022/10/21       | 2025/10/20           |
| Dipole Validation Kit    | D5GHzV2 | 1079          | 2023/10/29       | 2026/10/28           |
| Dipole Validation Kit    | D6GHzV2 | 1055          | 2022/11/29       | 2025/11/28           |

## 6. Measurement Uncertainty

| <p style="text-align: center;"><b>Uncertainty Budget</b></p> <p style="text-align: center;">(Frequency band: 300 MHz–10 GHz range)</p> |                                     |              |             |            |                    |                     |                 |                  |
|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------|-------------|------------|--------------------|---------------------|-----------------|------------------|
| Symbol                                                                                                                                 | Error Description                   | Uncert.value | Prob. Dist. | Div.       | ( $c_f$ )<br>(1 g) | ( $c_f$ )<br>(10 g) | Std. Unc. (1 g) | Std. Unc. (10 g) |
| <b>Measurement System Errors</b>                                                                                                       |                                     |              |             |            |                    |                     |                 |                  |
| CF                                                                                                                                     | Probe Calibration                   | ±18.6%       | N           | 2          | 1                  | 1                   | ±9.3%           | ±9.3%            |
| CF <sub>drift</sub>                                                                                                                    | Probe Calibration Drift             | ±1.7%        | R           | $\sqrt{3}$ | 1                  | 1                   | ±0.98%          | ±0.98%           |
| LIN                                                                                                                                    | Probe Linearity                     | ±4.7%        | R           | $\sqrt{3}$ | 1                  | 1                   | ±2.71%          | ±2.71%           |
| BBS                                                                                                                                    | Broadband Signal                    | ±2.8%        | R           | $\sqrt{3}$ | 1                  | 1                   | ±1.62%          | ±1.62%           |
| ISO                                                                                                                                    | Probe Isotropy (axial)              | ±9.6%        | R           | $\sqrt{3}$ | 1                  | 1                   | ±5.54%          | ±5.54%           |
| DAE                                                                                                                                    | Other Probe+Electronic              | ±2.4%        | N           | 1          | 1                  | 1                   | ±2.4%           | ±2.4%            |
| AMB                                                                                                                                    | RF Ambient                          | ±0.0%        | N           | 1          | 1                  | 1                   | ±0.0%           | ±0.0%            |
| $\Delta_{sys}$                                                                                                                         | Probe Positioning                   | ±0.005mm     | N           | 1          | 0.5                | 0.5                 | ±0.25%          | ±0.25%           |
| DAT                                                                                                                                    | Data Processing                     | ±4.0%        | N           | 1          | 1                  | 1                   | ±4.0%           | ±4.0%            |
| <b>Phantom and Device Errors</b>                                                                                                       |                                     |              |             |            |                    |                     |                 |                  |
| LIQ( $\sigma$ )                                                                                                                        | Conductivity (meas.) <sup>DAK</sup> | ±3.0%        | N           | 1          | 0.78               | 0.71                | ±2.34%          | ±2.13%           |
| LIQ( $T_\sigma$ )                                                                                                                      | Conductivity (temp.) <sup>BB</sup>  | ±2.43%       | R           | $\sqrt{3}$ | 0.78               | 0.71                | ±1.09%          | ±1.00%           |
| EPS                                                                                                                                    | Phantom Permittivity                | ±14.0%       | R           | $\sqrt{3}$ | 0.5                | 0.5                 | ±4.04%          | ±4.04%           |
| DIS                                                                                                                                    | Distance DUT – TSL                  | ±2.6%        | N           | 1          | 2                  | 2                   | ±1.30%          | ±1.30%           |
| D <sub>xyz</sub>                                                                                                                       | Device Positioning                  | ±0.9%        | N           | 1          | 1                  | 1                   | ±0.9%           | ±0.9%            |
| H                                                                                                                                      | Device Holder                       | ±2.8%        | N           | 1          | 1                  | 1                   | ±2.8%           | ±2.8%            |
| MOD                                                                                                                                    | DUT Modulation                      | ±2.4%        | R           | $\sqrt{3}$ | 1                  | 1                   | ±1.39%          | ±1.39%           |
| TAS                                                                                                                                    | Time-average SAR                    | ±1.73%       | R           | $\sqrt{3}$ | 1                  | 1                   | ±1.00%          | ±1.00%           |
| RF <sub>drift</sub>                                                                                                                    | DUT drift                           | ±1.78%       | N           | 1          | 1                  | 1                   | ±1.78%          | ±1.78%           |
| VAL                                                                                                                                    | Validation antenna                  | ±3.2%        | N           | 1          | 1                  | 1                   | ±3.2%           | ±3.2%            |
| P <sub>in</sub>                                                                                                                        | Accepted power                      | ±2.0%        | N           | 1          | 1                  | 1                   | ±2.0%           | ±2.0%            |
| <b>Correction to the SAR results</b>                                                                                                   |                                     |              |             |            |                    |                     |                 |                  |
| C( $\epsilon, \sigma$ )                                                                                                                | Deviation to Target                 | ±1.9%        | N           | 1          | 1                  | 0.84                | ±1.9%           | ±1.60%           |
| C(R)                                                                                                                                   | SAR scaling <sup>p</sup>            | ±0%          | R           | $\sqrt{3}$ | 1                  | 1                   | ±0%             | ±0%              |
| u( $\Delta$ SAR)                                                                                                                       | Combined Uncertainty                |              |             |            |                    |                     | 14.39           | 14.32            |
| U                                                                                                                                      | <b>Expanded Uncertainty</b>         |              |             |            |                    |                     | 28.78           | 28.64            |

## 7. Information on the Testing Laboratories

We, Huarui 7layers High Technology (Suzhou) Co., Ltd., were founded in 2020 to provide our best service in EMC, Radio, Telecom and Safety consultation.

If you have any comments, please feel free to contact us at the following:

Add: Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City, Anhui Province

Tel: [+86 \(0557\) 368 1008](tel:+86(0557)3681008)

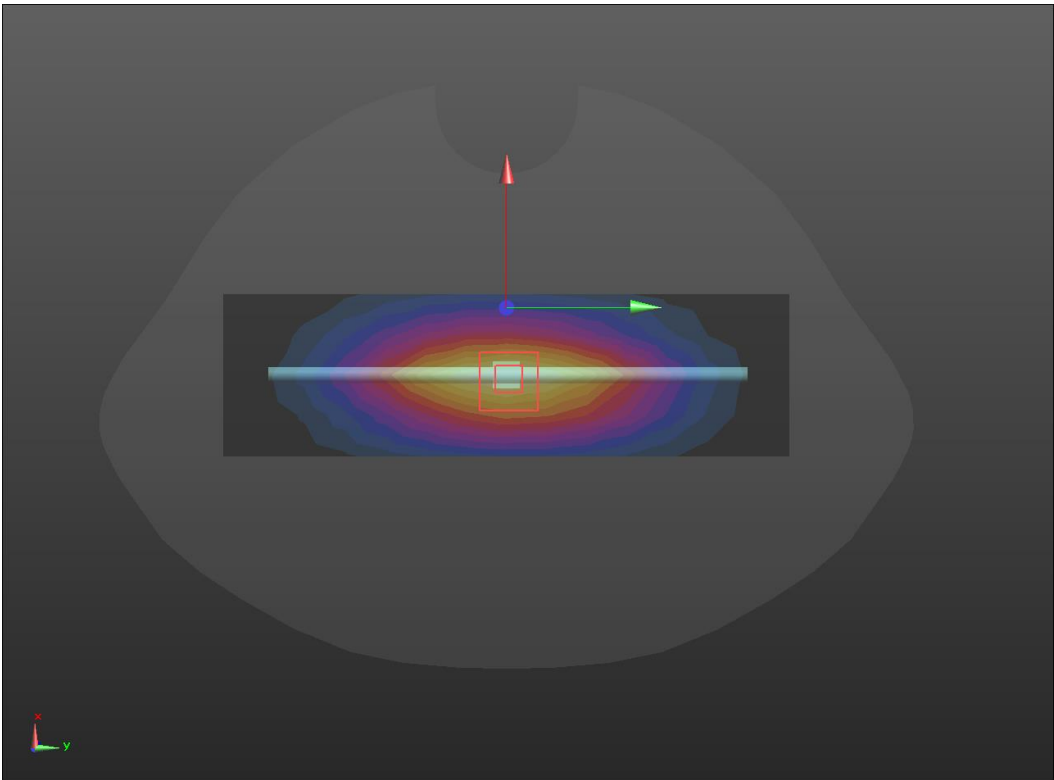
The road map of all our labs can be found in our web site also

Web: <http://www.7Layers.com>

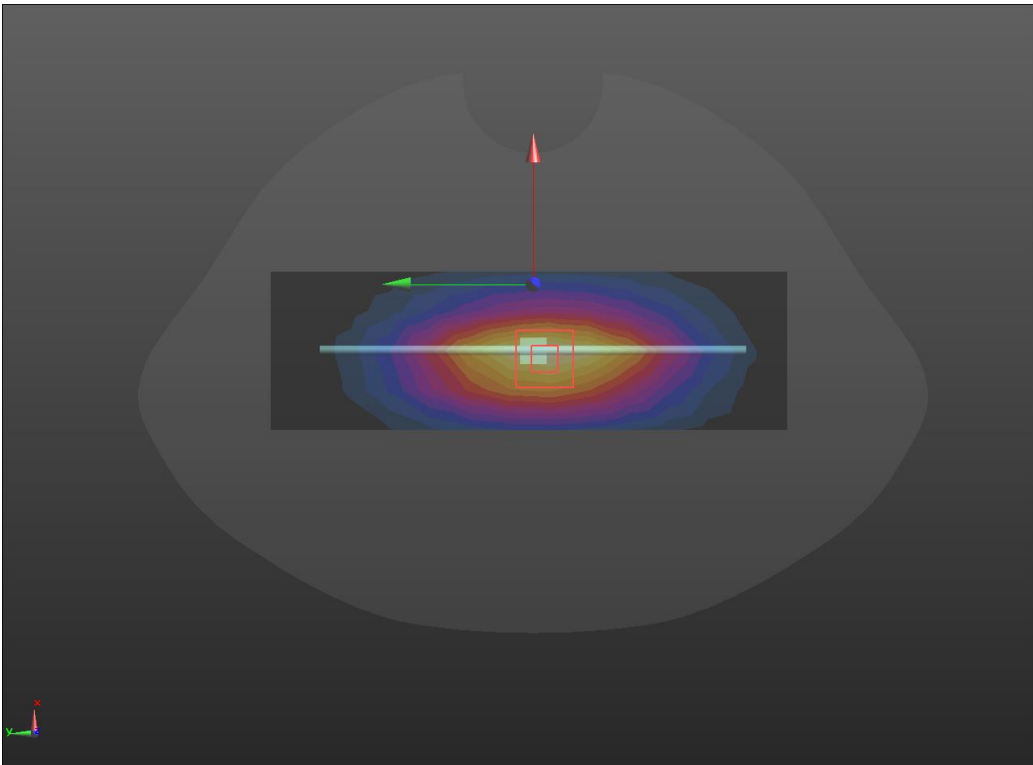
---END---

## Appendix A. SAR Plots of System Verification

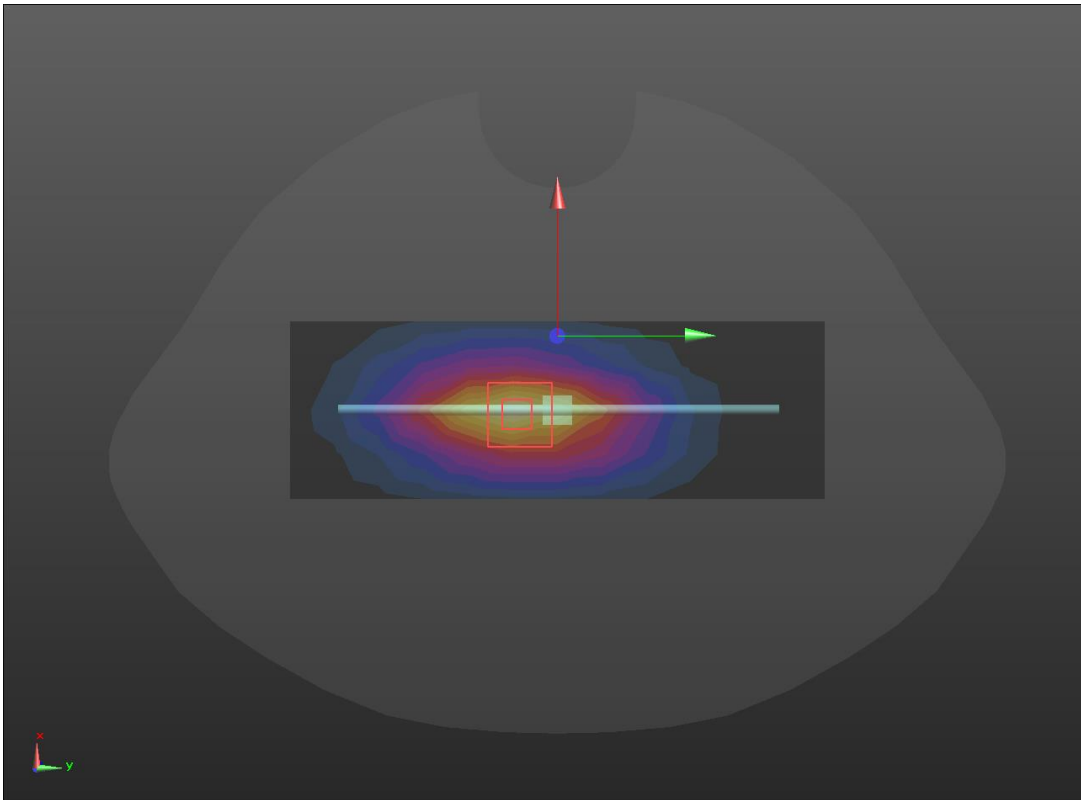
The plots for system verification with largest deviation for each SAR system combination are shown as follows.

| System check                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 750MHz |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <p>Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1<br/> Medium parameters used: <math>f = 750 \text{ MHz}</math>; <math>\sigma = 0.867 \text{ S/m}</math>; <math>\epsilon_r = 41.935</math>; <math>\rho = 1000 \text{ kg/m}^3</math><br/> Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> <li>Probe: EX3DV4 - SN3708; ConvF(9.34, 9.34, 9.34); Calibrated: 11/27/2024;</li> <li>Sensor-Surface: 1.4mm (Mechanical Surface Detection)</li> <li>Electronics: DAE4 Sn546; Calibrated: 9/10/2024</li> <li>Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559</li> <li>Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)</li> </ul> <p><b>750/Dipole 750MHz/Area Scan (5x15x1):</b> Measurement grid: <math>dx=15\text{mm}</math>, <math>dy=15\text{mm}</math><br/> Maximum value of SAR (measured) = 2.68 W/kg</p> <p><b>750/Dipole 750MHz/Zoom Scan (5x5x7)/Cube 0:</b> Measurement grid: <math>dx=8\text{mm}</math>, <math>dy=8\text{mm}</math>, <math>dz=5\text{mm}</math><br/> Reference Value = 58.93 V/m; Power Drift = -0.15 dB<br/> Peak SAR (extrapolated) = 3.04 W/kg<br/> <b>SAR(1 g) = 2.02 W/kg; SAR(10 g) = 1.33 W/kg</b><br/> Maximum value of SAR (measured) = 2.69 W/kg</p>  |        |

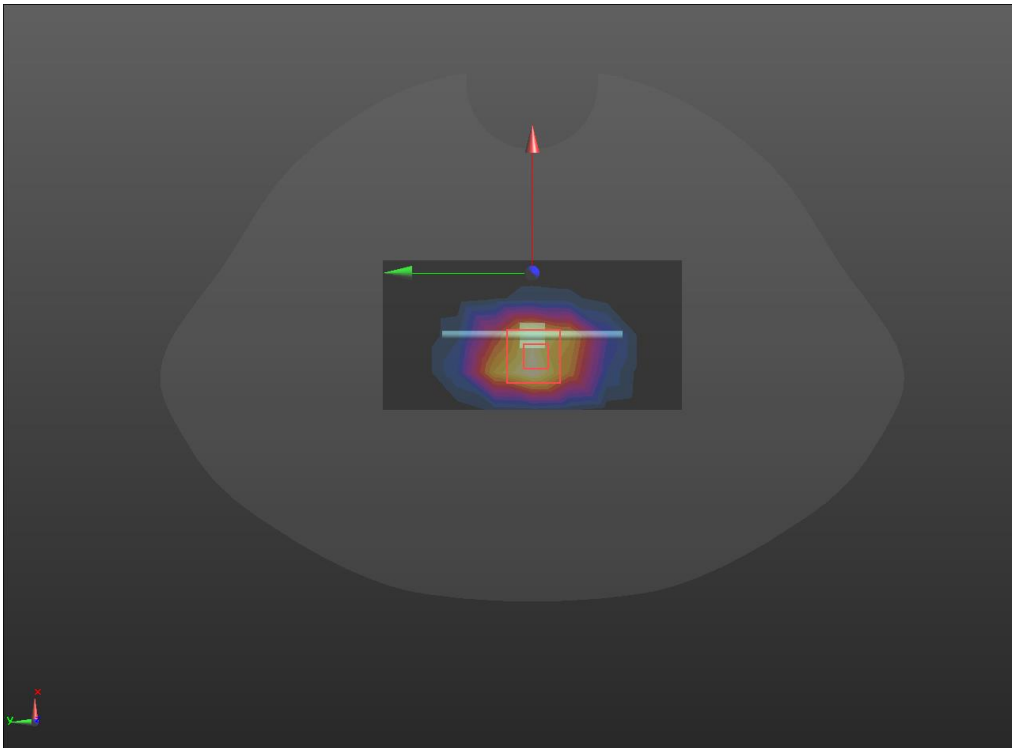
performed system check by using 250mw at antenna port

| System check                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 835MHz |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <p>Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1<br/> Medium parameters used (interpolated): <math>f = 835 \text{ MHz}</math>; <math>\sigma = 0.902 \text{ S/m}</math>; <math>\epsilon_r = 42.639</math>; <math>\rho = 1000 \text{ kg/m}^3</math><br/> Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> <li>Probe: EX3DV4 - SN3708; ConvF(9.23, 9.23, 9.23); Calibrated: 11/27/2024;</li> <li>Sensor-Surface: 1.4mm (Mechanical Surface Detection)</li> <li>Electronics: DAE4 Sn546; Calibrated: 9/10/2024</li> <li>Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559</li> <li>Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)</li> </ul> <p><b>D835/Dipole 835MHz/Area Scan (5x14x1):</b> Measurement grid: <math>dx=15\text{mm}</math>, <math>dy=15\text{mm}</math><br/> Maximum value of SAR (measured) = 3.22 W/kg</p> <p><b>D835/Dipole 835MHz/Zoom Scan (5x5x7)/Cube 0:</b> Measurement grid: <math>dx=8\text{mm}</math>, <math>dy=8\text{mm}</math>, <math>dz=5\text{mm}</math><br/> Reference Value = 62.50 V/m; Power Drift = 0.05 dB<br/> Peak SAR (extrapolated) = 3.75 W/kg<br/> <b>SAR(1 g) = 2.48 W/kg; SAR(10 g) = 1.62 W/kg</b><br/> Maximum value of SAR (measured) = 3.33 W/kg</p>  |        |

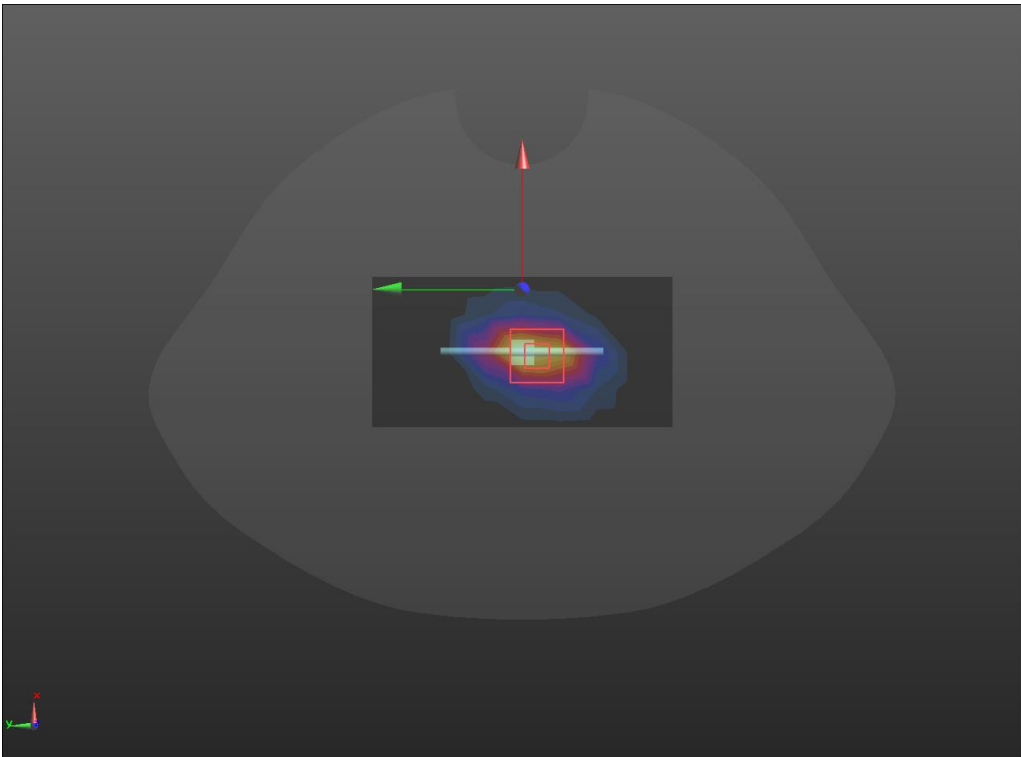
performed system check by using 250mw at antenna port

| System check                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 900MHz |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <p>Communication System: UID 0, CW (0); Frequency: 900 MHz; Duty Cycle: 1:1<br/> Medium parameters used: <math>f = 900 \text{ MHz}</math>; <math>\sigma = 0.992 \text{ S/m}</math>; <math>\epsilon_r = 43.018</math>; <math>\rho = 1000 \text{ kg/m}^3</math><br/> Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> <li>Probe: EX3DV4 - SN3708; ConvF(9.22, 9.22, 9.22); Calibrated: 11/27/2024;</li> <li>Sensor-Surface: 1.4mm (Mechanical Surface Detection)</li> <li>Electronics: DAE4 Sn546; Calibrated: 9/10/2024</li> <li>Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559</li> <li>Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)</li> </ul> <p><b>D900/Dipole 900MHz/Area Scan (5x13x1):</b> Measurement grid: dx=15mm, dy=15mm<br/> Maximum value of SAR (measured) = 5.80 W/kg</p> <p><b>D900/Dipole 900MHz/Zoom Scan (5x5x7)/Cube 0:</b> Measurement grid: dx=8mm, dy=8mm, dz=5mm<br/> Reference Value = 76.48 V/m; Power Drift = 0.05 dB<br/> Peak SAR (extrapolated) = 7.06 W/kg<br/> <b>SAR(1 g) = 2.86 W/kg; SAR(10 g) = 1.86 W/kg</b><br/> Maximum value of SAR (measured) = 5.87 W/kg</p>  |        |

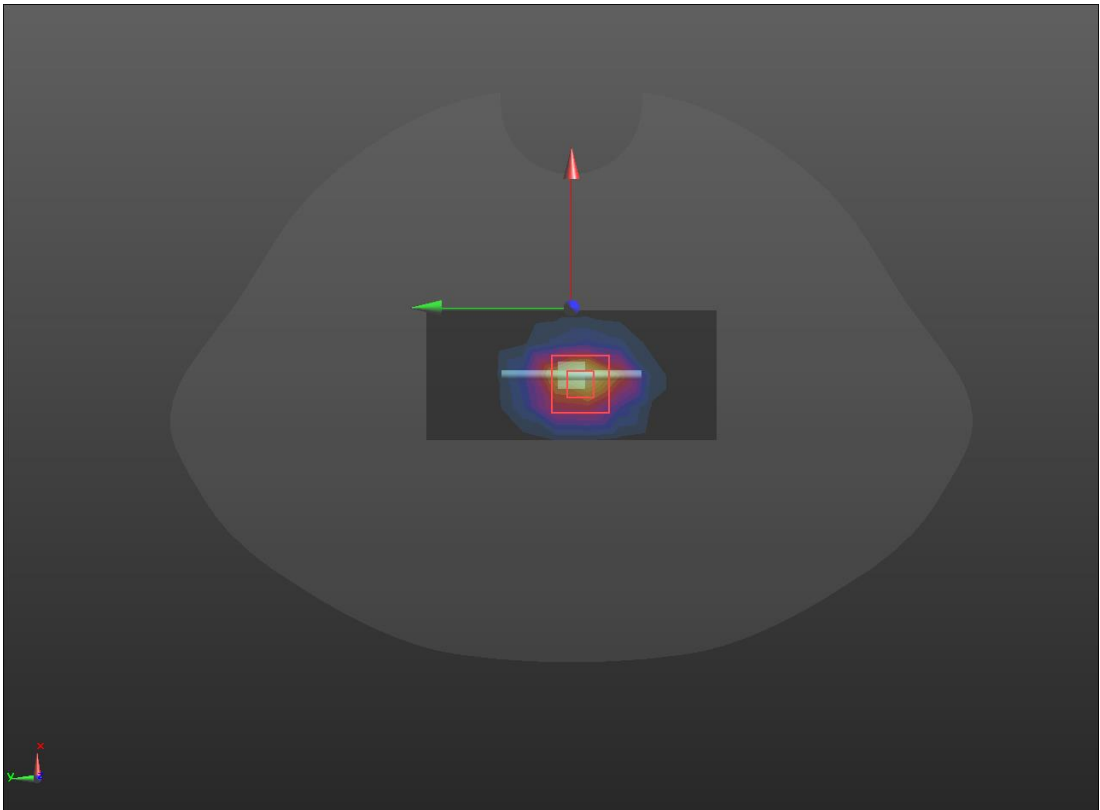
performed system check by using 250mw at antenna port

| System check                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1800MHz |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| <p>Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1<br/> Medium parameters used: <math>f = 1800 \text{ MHz}</math>; <math>\sigma = 1.419 \text{ S/m}</math>; <math>\epsilon_r = 39.083</math>; <math>\rho = 1000 \text{ kg/m}^3</math><br/> Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> <li>Probe: EX3DV4 - SN3708; ConvF(8.13, 8.13, 8.13); Calibrated: 11/27/2024;</li> <li>Sensor-Surface: 1.4mm (Mechanical Surface Detection)</li> <li>Electronics: DAE4 Sn546; Calibrated: 9/10/2024</li> <li>Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559</li> <li>Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)</li> </ul> <p><b>D1800/Dipole 1800MHz/Area Scan (5x9x1):</b> Measurement grid: dx=15mm, dy=15mm<br/> Maximum value of SAR (measured) = 9.81 W/kg</p> <p><b>D1800/Dipole 1800MHz/Zoom Scan (5x5x7)/Cube 0:</b> Measurement grid: dx=8mm, dy=8mm, dz=5mm<br/> Reference Value = 83.70 V/m; Power Drift = 0.13 dB<br/> Peak SAR (extrapolated) = 16.0 W/kg<br/> <b>SAR(1 g) = 9.74 W/kg; SAR(10 g) = 4.87 W/kg</b><br/> Maximum value of SAR (measured) = 13.4 W/kg</p>  |         |

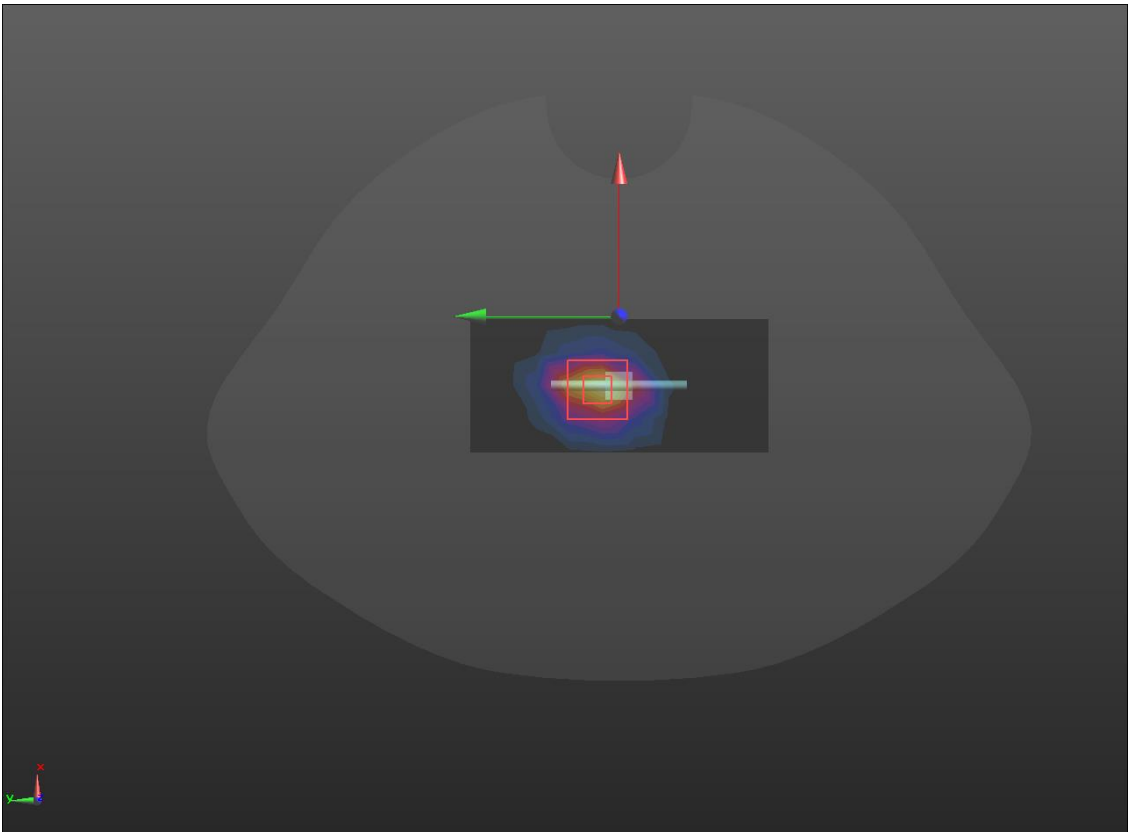
performed system check by using 250mw at antenna port

| System check                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2000MHz |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| <p>Communication System: UID 0, CW (0); Frequency: 2000 MHz; Duty Cycle: 1:1<br/> Medium parameters used: <math>f = 2000 \text{ MHz}</math>; <math>\sigma = 1.47 \text{ S/m}</math>; <math>\epsilon_r = 40.135</math>; <math>\rho = 1000 \text{ kg/m}^3</math><br/> Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> <li>Probe: EX3DV4 - SN3708; ConvF(7.92, 7.92, 7.92); Calibrated: 11/27/2024;</li> <li>Sensor-Surface: 1.4mm (Mechanical Surface Detection)</li> <li>Electronics: DAE4 Sn546; Calibrated: 9/10/2024</li> <li>Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559</li> <li>Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)</li> </ul> <p><b>D2000/Dipole 2000MHz/Area Scan (5x9x1):</b> Measurement grid: <math>dx=15\text{mm}</math>, <math>dy=15\text{mm}</math><br/> Maximum value of SAR (measured) = 14.4 W/kg</p> <p><b>D2000/Dipole 2000MHz/Zoom Scan (5x5x7)/Cube 0:</b> Measurement grid: <math>dx=8\text{mm}</math>, <math>dy=8\text{mm}</math>, <math>dz=5\text{mm}</math><br/> Reference Value = 105.4 V/m; Power Drift = 0.04 dB<br/> Peak SAR (extrapolated) = 18.3 W/kg<br/> <b>SAR(1 g) = 9.73 W/kg; SAR(10 g) = 4.95 W/kg</b><br/> Maximum value of SAR (measured) = 15.4 W/kg</p>  |         |

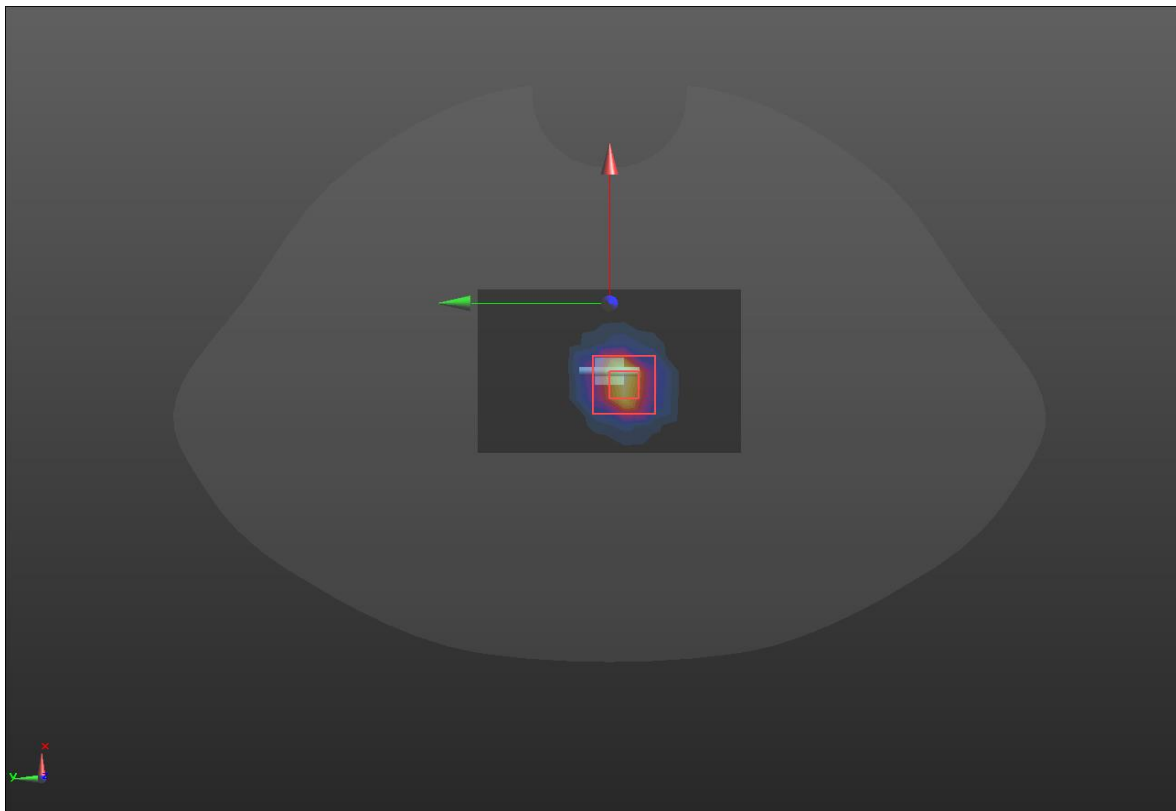
performed system check by using 250mw at antenna port

| System check                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2450MHz |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| <p>Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1<br/> Medium parameters used: <math>f = 2450 \text{ MHz}</math>; <math>\sigma = 1.89 \text{ S/m}</math>; <math>\epsilon_r = 40.7</math>; <math>\rho = 1000 \text{ kg/m}^3</math><br/> Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> <li>Probe: EX3DV4 - SN3708; ConvF(7.58, 7.58, 7.58); Calibrated: 11/27/2024;</li> <li>Sensor-Surface: 1.4mm (Mechanical Surface Detection)</li> <li>Electronics: DAE4 Sn546; Calibrated: 9/10/2024</li> <li>Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559</li> <li>Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)</li> </ul> <p><b>D2450/Dipole 2450MHz/Area Scan (5x10x1):</b> Measurement grid: <math>dx=12\text{mm}</math>, <math>dy=12\text{mm}</math><br/> Maximum value of SAR (measured) = 19.7 W/kg</p> <p><b>D2450/Dipole 2450MHz/Zoom Scan (5x5x7)/Cube 0:</b> Measurement grid: <math>dx=8\text{mm}</math>, <math>dy=8\text{mm}</math>, <math>dz=5\text{mm}</math><br/> Reference Value = 106.7 V/m; Power Drift = 0.20 dB<br/> Peak SAR (extrapolated) = 26.2 W/kg<br/> <b>SAR(1 g) = 12.9 W/kg; SAR(10 g) = 6.07 W/kg</b><br/> Maximum value of SAR (measured) = 21.2 W/kg</p>  |         |

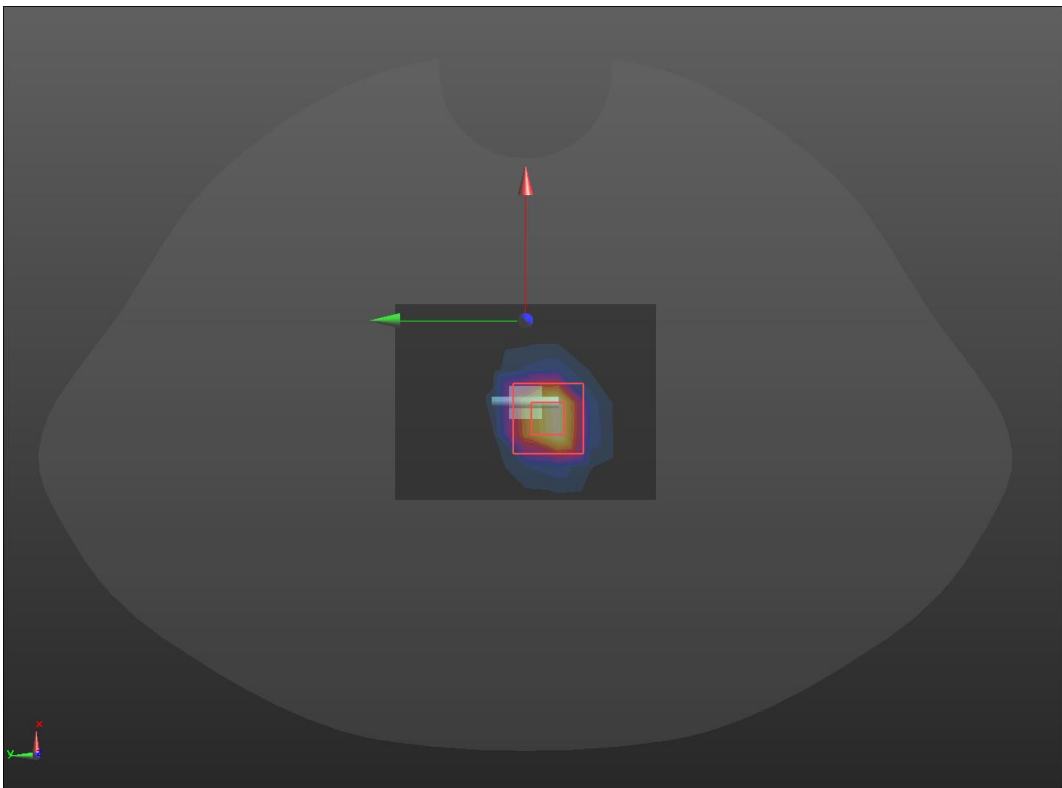
performed system check by using 250mw at antenna port

| System check                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2600MHz |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| <p>Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1<br/> Medium parameters used: <math>f = 2600 \text{ MHz}</math>; <math>\sigma = 1.95 \text{ S/m}</math>; <math>\epsilon_r = 38.12</math>; <math>\rho = 1000 \text{ kg/m}^3</math><br/> Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> <li>Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43); Calibrated: 11/27/2024;</li> <li>Sensor-Surface: 1.4mm (Mechanical Surface Detection)</li> <li>Electronics: DAE4 Sn546; Calibrated: 9/10/2024</li> <li>Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559</li> <li>Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)</li> </ul> <p><b>2600/Dipole 2600MHz/Area Scan (5x10x1):</b> Measurement grid: <math>dx=12\text{mm}</math>, <math>dy=12\text{mm}</math><br/> Maximum value of SAR (measured) = 21.5 W/kg</p> <p><b>2600/Dipole 2600MHz/Zoom Scan (5x5x7)/Cube 0:</b> Measurement grid: <math>dx=8\text{mm}</math>, <math>dy=8\text{mm}</math>, <math>dz=5\text{mm}</math><br/> Reference Value = 102.2 V/m; Power Drift = 0.19 dB<br/> Peak SAR (extrapolated) = 29.5 W/kg<br/> <b>SAR(1 g) = 13.8 W/kg; SAR(10 g) = 6.21 W/kg</b><br/> Maximum value of SAR (measured) = 23.2 W/kg</p>  |         |

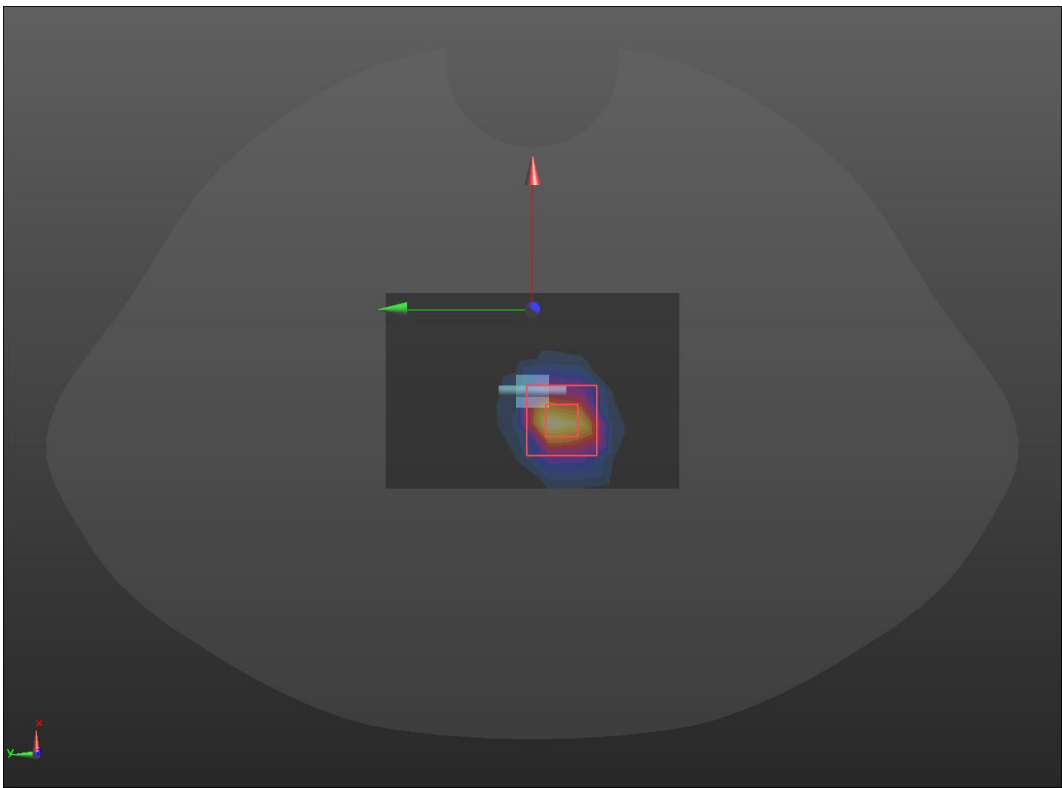
performed system check by using 250mw at antenna port

| System check                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5200MHz |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| <p>Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1<br/> Medium parameters used: <math>f = 5200</math> MHz; <math>\sigma = 4.56</math> S/m; <math>\epsilon_r = 37.36</math>; <math>\rho = 1000</math> kg/m<sup>3</sup><br/> Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> <li>Probe: EX3DV4 - SN3708; ConvF(5.69, 5.69, 5.69); Calibrated: 11/27/2024;</li> <li>Sensor-Surface: 1.4mm (Mechanical Surface Detection)</li> <li>Electronics: DAE4 Sn546; Calibrated: 9/10/2024</li> <li>Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559</li> <li>Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)</li> </ul> <p><b>D5G/D5200 SYSTEM CHECK1/Area Scan (7x10x1):</b> Measurement grid: dx=10mm, dy=10mm<br/> Maximum value of SAR (measured) = 13.9 W/kg</p> <p><b>D5G/D5200 SYSTEM CHECK1/Zoom Scan (7x7x12)/Cube 0:</b> Measurement grid: dx=4mm, dy=4mm, dz=2mm<br/> Reference Value = 53.80 V/m; Power Drift = 0.14 dB<br/> Peak SAR (extrapolated) = 29.4 W/kg<br/> <b>SAR(1 g) = 7.37 W/kg; SAR(10 g) = 2.16 W/kg</b><br/> Maximum value of SAR (measured) = 18.2 W/kg</p>  |         |

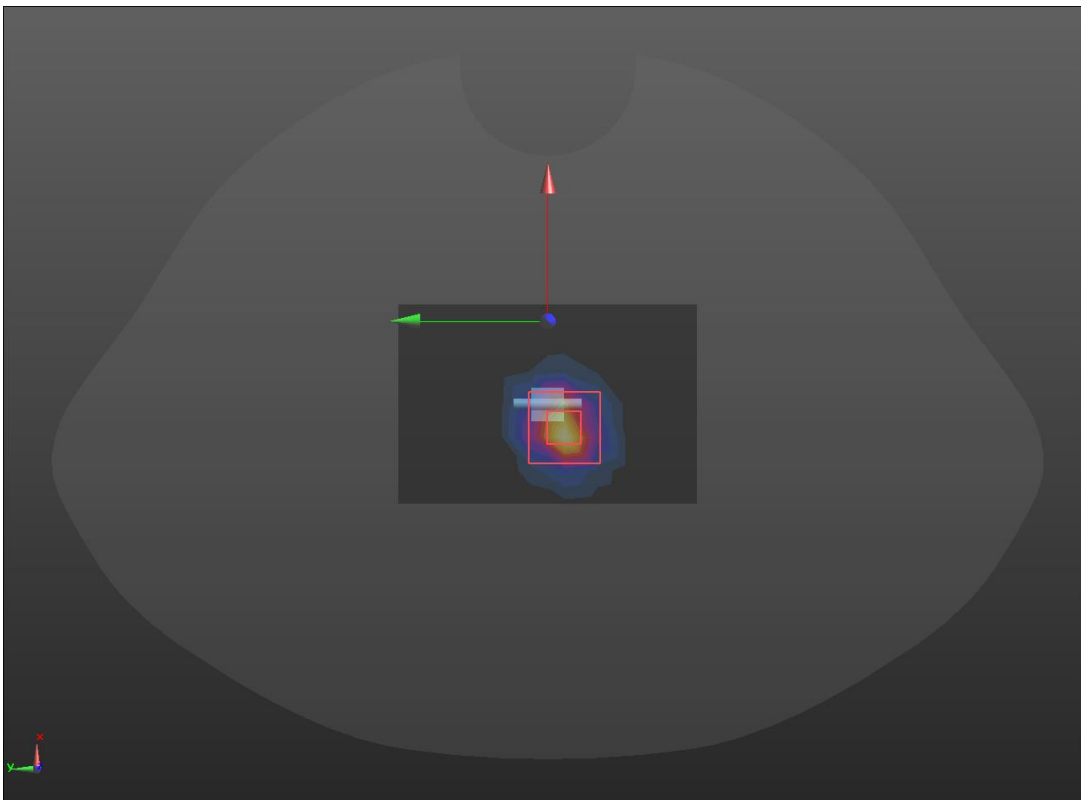
performed system check by using 100mw at antenna port

| System check                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5300MHz |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| <p>Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1<br/> Medium parameters used: <math>f = 5300 \text{ MHz}</math>; <math>\sigma = 4.77 \text{ S/m}</math>; <math>\epsilon_r = 37.64</math>; <math>\rho = 1000 \text{ kg/m}^3</math><br/> Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> <li>Probe: EX3DV4 - SN3708; ConvF(5.57, 5.57, 5.57); Calibrated: 11/27/2024;</li> <li>Sensor-Surface: 1.4mm (Mechanical Surface Detection)</li> <li>Electronics: DAE4 Sn546; Calibrated: 9/10/2024</li> <li>Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559</li> <li>Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)</li> </ul> <p><b>D5G/D5300 SYSTEM CHECK/Area Scan (7x9x1):</b> Measurement grid: <math>dx=10\text{mm}</math>, <math>dy=10\text{mm}</math><br/> Maximum value of SAR (measured) = 12.6 W/kg</p> <p><b>D5G/D5300 SYSTEM CHECK/Zoom Scan (7x7x12)/Cube 0:</b> Measurement grid: <math>dx=4\text{mm}</math>, <math>dy=4\text{mm}</math>, <math>dz=2\text{mm}</math><br/> Reference Value = 47.01 V/m; Power Drift = 0.13 dB<br/> Peak SAR (extrapolated) = 31.0 W/kg<br/> <b>SAR(1 g) = 7.71 W/kg; SAR(10 g) = 2.24 W/kg</b><br/> Maximum value of SAR (measured) = 19.0 W/kg</p>  |         |

performed system check by using 100mw at antenna port

| System check                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5600MHz |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| <p>Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1<br/> Medium parameters used: <math>f = 5600</math> MHz; <math>\sigma = 5.3</math> S/m; <math>\epsilon_r = 33.92</math>; <math>\rho = 1000</math> kg/m<sup>3</sup><br/> Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> <li>Probe: EX3DV4 - SN3708; ConvF(5.00, 5.00, 5.00); Calibrated: 11/27/2024;</li> <li>Sensor-Surface: 1.4mm (Mechanical Surface Detection)</li> <li>Electronics: DAE4 Sn546; Calibrated: 9/10/2024</li> <li>Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559</li> <li>Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)</li> </ul> <p><b>D5G/D5600 SYSTEM CHECK/Area Scan (7x10x1):</b> Measurement grid: dx=10mm, dy=10mm<br/> Maximum value of SAR (measured) = 15.3 W/kg</p> <p><b>D5G/D5600 SYSTEM CHECK/Zoom Scan (7x7x12)/Cube 0:</b> Measurement grid: dx=4mm, dy=4mm, dz=2mm<br/> Reference Value = 36.06 V/m; Power Drift = -0.17 dB<br/> Peak SAR (extrapolated) = 31.9 W/kg<br/> <b>SAR(1 g) = 7.37 W/kg; SAR(10 g) = 2.19 W/kg</b><br/> Maximum value of SAR (measured) = 18.5 W/kg</p>  |         |

performed system check by using 100mw at antenna port

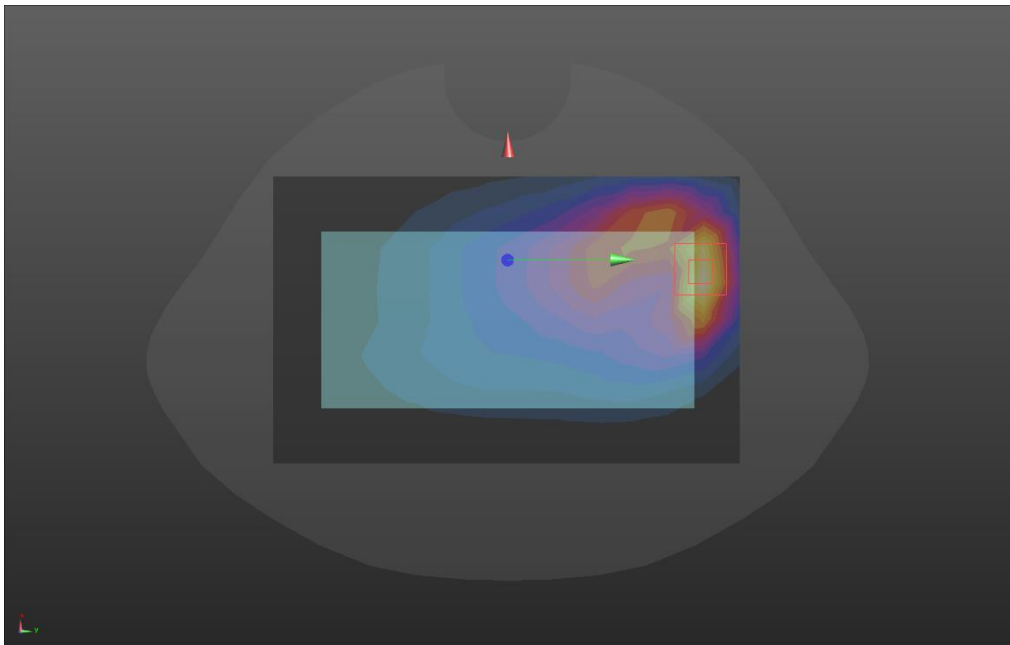
| System check                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5800MHz |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| <p>Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1<br/> Medium parameters used: <math>f = 5800 \text{ MHz}</math>; <math>\sigma = 5.24 \text{ S/m}</math>; <math>\epsilon_r = 35.35</math>; <math>\rho = 1000 \text{ kg/m}^3</math><br/> Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> <li>Probe: EX3DV4 - SN3708; ConvF(5.21, 5.21, 5.21); Calibrated: 11/27/2024;</li> <li>Sensor-Surface: 1.4mm (Mechanical Surface Detection)</li> <li>Electronics: DAE4 Sn546; Calibrated: 9/10/2024</li> <li>Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559</li> <li>Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)</li> </ul> <p><b>D5G/D5800 SYSTEM CHECK/Area Scan 2 (7x10x1):</b> Measurement grid: <math>dx=10\text{mm}</math>, <math>dy=10\text{mm}</math><br/> Maximum value of SAR (measured) = 18.3 W/kg</p> <p><b>D5G/D5800 SYSTEM CHECK/Zoom Scan (7x7x12)/Cube 0:</b> Measurement grid: <math>dx=4\text{mm}</math>, <math>dy=4\text{mm}</math>, <math>dz=2\text{mm}</math><br/> Reference Value = 47.41 V/m; Power Drift = 0.17 dB<br/> Peak SAR (extrapolated) = 36.5 W/kg<br/> <b>SAR(1 g) = 7.96 W/kg; SAR(10 g) = 2.14 W/kg</b><br/> Maximum value of SAR (measured) = 20.6 W/kg</p>  |         |

performed system check by using 100mw at antenna port

## Appendix B. SAR Plots of SAR Measurement

The SAR plots for highest measured SAR in each exposure configuration, wireless mode and frequency band combination, and measured SAR > 1.5 W/kg are shown as follows.

## GSM 850

| Hotspot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Back |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| <p>Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:1</p> <p>Medium parameters used (interpolated): <math>f = 836.6</math> MHz; <math>\sigma = 0.905</math> S/m; <math>\epsilon_r = 41.528</math>; <math>\rho = 1000</math> kg/m<sup>3</sup></p> <p>Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> <li>Probe: EX3DV4 - SN3708; ConvF(8.63, 7.89, 8.81) @ 836.6 MHz; Calibrated: 11/27/2024</li> <li>Sensor-Surface: 1.4mm (Mechanical Surface Detection)</li> <li>Electronics: DAE4 Sn546; Calibrated: 9/10/2024</li> <li>Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559</li> <li>Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)</li> </ul> <p><b>Back/GSM 850/Area Scan (9x14x1):</b> Measurement grid: dx=15mm, dy=15mm</p> <p>Maximum value of SAR (measured) = 0.462 W/kg</p> <p><b>Back/GSM 850/Zoom Scan (5x5x7)/Cube 0:</b> Measurement grid: dx=8mm, dy=8mm, dz=5mm</p> <p>Reference Value = 15.25 V/m; Power Drift = 0.06 dB</p> <p>Peak SAR (extrapolated) = 0.550 W/kg</p> <p><b>SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.208 W/kg</b></p> <p>Maximum value of SAR (measured) = 0.474 W/kg</p> |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |

## GSM 1900

### Hotspot

### Back

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz;  
Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.4$  S/m;  $\epsilon_r = 40$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.46, 6.83, 7.62) @ 1880 MHz; Calibrated: 11/27/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 9/10/2024
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Back/GSM 1900/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.319 W/kg

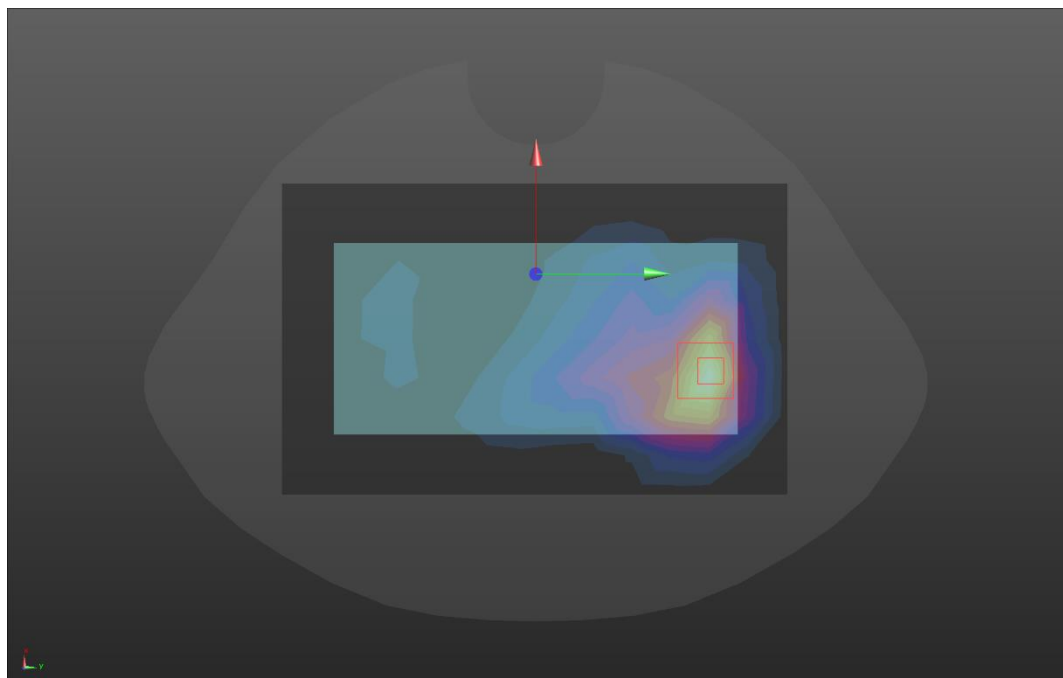
**Back/GSM 1900/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.577 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.362 W/kg

**SAR(1 g) = 0.219 W/kg; SAR(10 g) = 0.123 W/kg**

Maximum value of SAR (measured) = 0.317 W/kg



## WCDMA II

### Hotspot

### Back

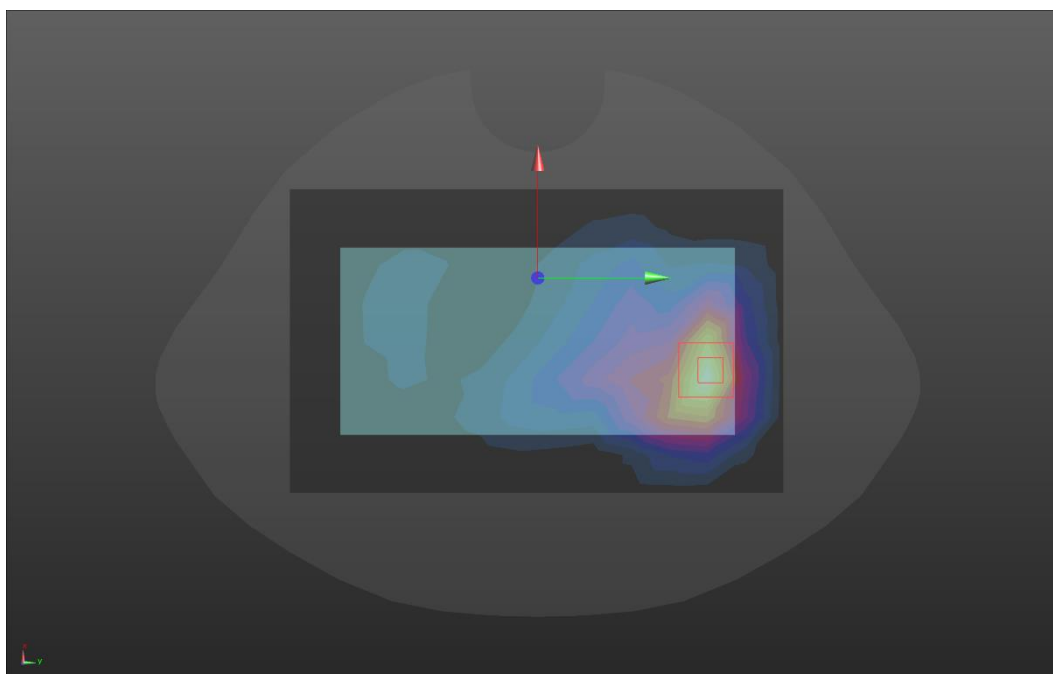
Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.4$  S/m;  $\epsilon_r = 40$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.46, 6.83, 7.62) @ 1880 MHz; Calibrated: 11/27/2024
  - Sensor-Surface: 1.4mm (Mechanical Surface Detection)
  - Electronics: DAE4 Sn546; Calibrated: 9/10/2024
  - Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
  - Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)
- Back/WCDMA II/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.535 W/kg
- Back/WCDMA II/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 8.407 V/m; Power Drift = -0.18 dB  
Peak SAR (extrapolated) = 0.595 W/kg  
**SAR(1 g) = 0.368 W/kg; SAR(10 g) = 0.206 W/kg**  
Maximum value of SAR (measured) = 0.513 W/kg



## WCDMA IV

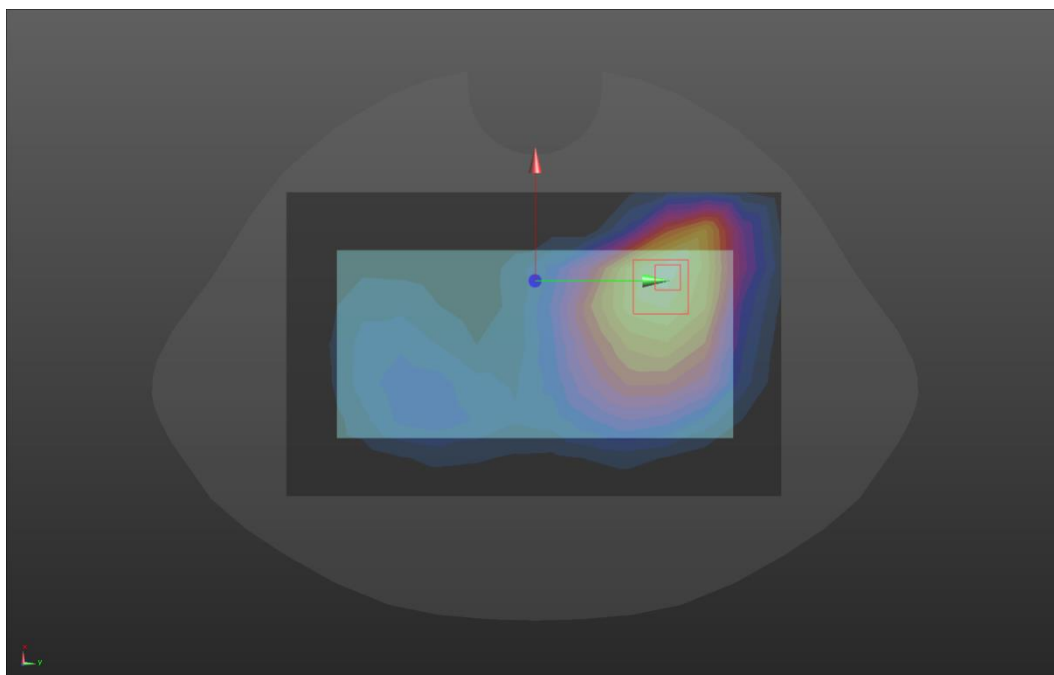
### Hotspot

### Front

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1732.6 MHz;  
Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.376$  S/m;  $\epsilon_r = 40.07$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.95, 7.27, 8.12) @ 1732.6 MHz; Calibrated: 11/27/2024
  - Sensor-Surface: 1.4mm (Mechanical Surface Detection)
  - Electronics: DAE4 Sn546; Calibrated: 9/10/2024
  - Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
  - Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)
- Front/WCDMA IV/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.420 W/kg  
**Front/WCDMA IV/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 7.597 V/m; Power Drift = 0.11 dB  
Peak SAR (extrapolated) = 0.462 W/kg  
**SAR(1 g) = 0.342 W/kg; SAR(10 g) = 0.231 W/kg**  
Maximum value of SAR (measured) = 0.419 W/kg



## WCDMA V

### Hotspot

### Back

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.905$  S/m;  $\epsilon_r = 41.528$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(8.63, 7.89, 8.81) @ 836.6 MHz; Calibrated: 11/27/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 9/10/2024
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Back/WCDMA V/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.490 W/kg

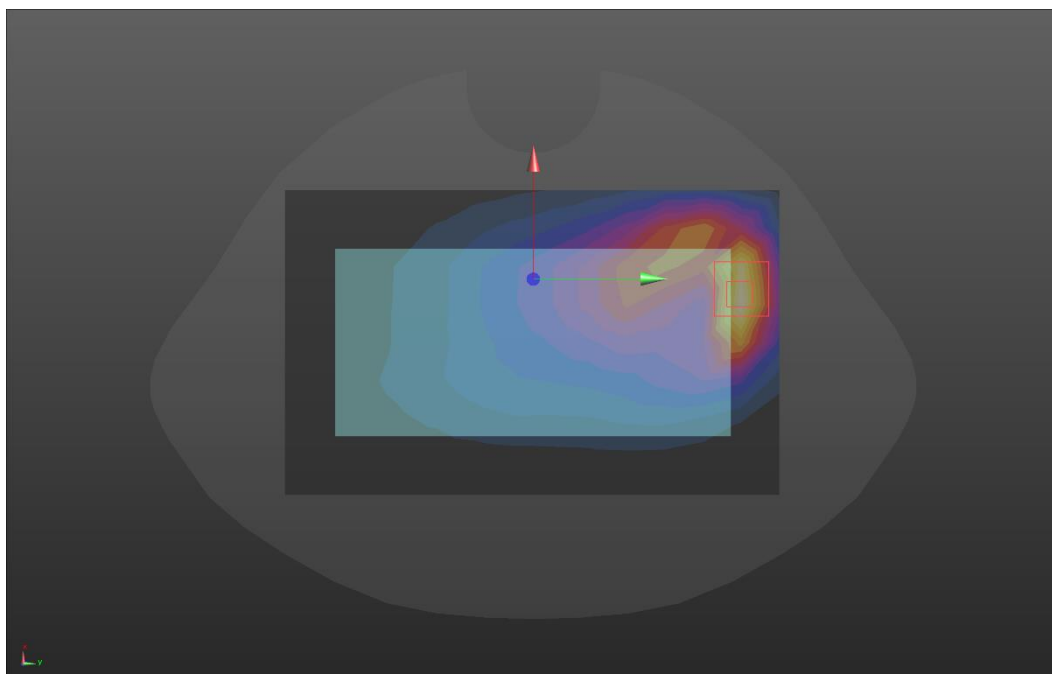
**Back/WCDMA V/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.39 V/m; Power Drift = -0.11 dB

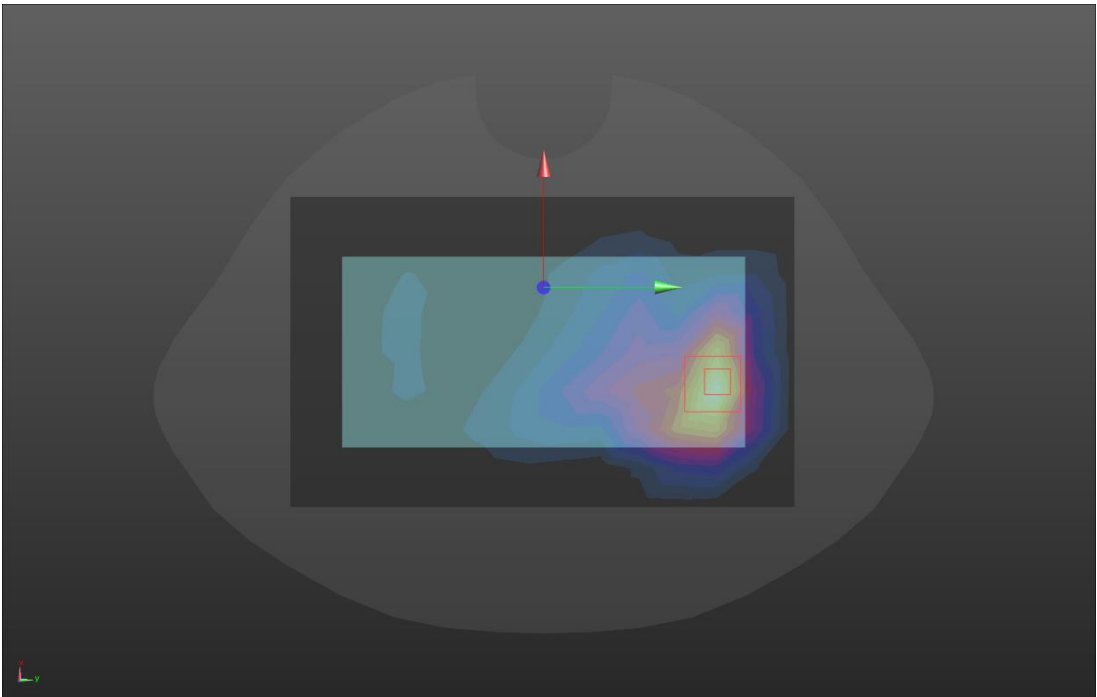
Peak SAR (extrapolated) = 0.570 W/kg

**SAR(1 g) = 0.358 W/kg; SAR(10 g) = 0.215 W/kg**

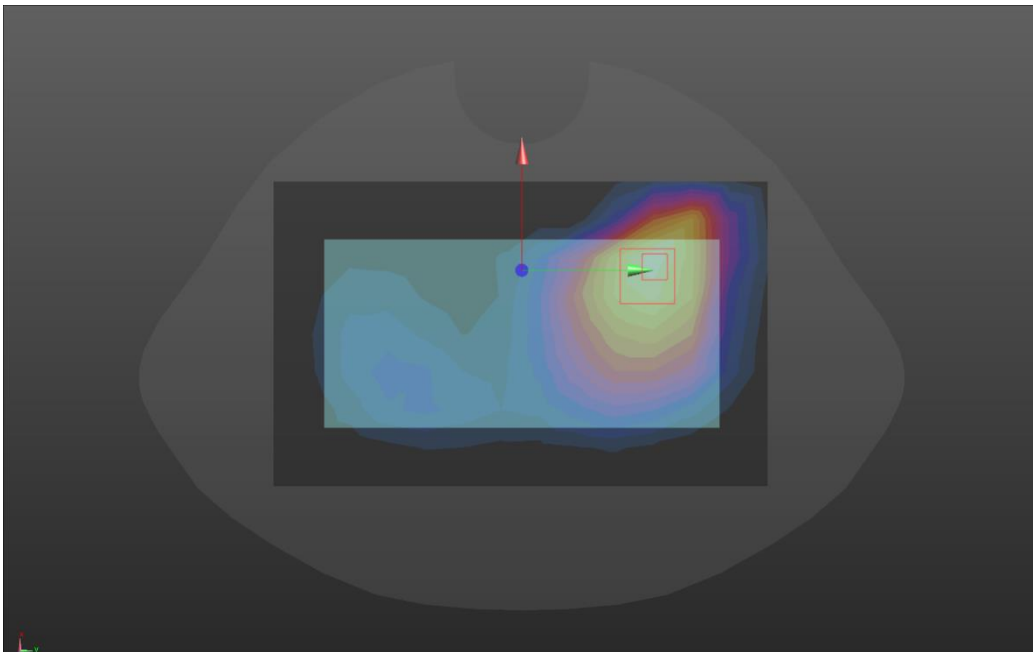
Maximum value of SAR (measured) = 0.486 W/kg



## LTE Band 2

| Hotspot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Back |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| <p>Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);<br/> Frequency: 1880 MHz; Duty Cycle: 1:1<br/> Medium parameters used (interpolated): <math>f = 1880</math> MHz; <math>\sigma = 1.4</math> S/m; <math>\epsilon_r = 40</math>; <math>\rho = 1000</math> kg/m<sup>3</sup><br/> Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> <li>Probe: EX3DV4 - SN3708; ConvF(7.46, 6.83, 7.62) @ 1880 MHz; Calibrated: 11/27/2024</li> <li>Sensor-Surface: 1.4mm (Mechanical Surface Detection)</li> <li>Electronics: DAE4 Sn546; Calibrated: 9/10/2024</li> <li>Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559</li> <li>Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)</li> </ul> <p><b>Back/LTE B2/Area Scan (9x14x1):</b> Measurement grid: dx=15mm, dy=15mm<br/> Maximum value of SAR (measured) = 0.526 W/kg</p> <p><b>Back/LTE B2/Zoom Scan (5x5x7)/Cube 0:</b> Measurement grid: dx=8mm, dy=8mm, dz=5mm<br/> Reference Value = 7.545 V/m; Power Drift = 0.06 dB<br/> Peak SAR (extrapolated) = 0.606 W/kg<br/> <b>SAR(1 g) = 0.368 W/kg; SAR(10 g) = 0.204 W/kg</b><br/> Maximum value of SAR (measured) = 0.527 W/kg</p> |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |

## LTE Band 4

| Hotspot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Front |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| <p>Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);<br/> Frequency: 1732.5 MHz; Duty Cycle: 1:1<br/> Medium parameters used (interpolated): <math>f = 1732.5</math> MHz; <math>\sigma = 1.375</math> S/m; <math>\epsilon_r = 40.07</math>; <math>\rho = 1000</math> kg/m<sup>3</sup><br/> Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> <li>Probe: EX3DV4 - SN3708; ConvF(7.95, 7.27, 8.12) @ 1732.5 MHz; Calibrated: 11/27/2024</li> <li>Sensor-Surface: 1.4mm (Mechanical Surface Detection)</li> <li>Electronics: DAE4 Sn546; Calibrated: 9/10/2024</li> <li>Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559</li> <li>Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)</li> </ul> <p><b>Front/LTE B4/Area Scan (9x14x1):</b> Measurement grid: dx=15mm, dy=15mm<br/> Maximum value of SAR (measured) = 0.487 W/kg</p> <p><b>Front/LTE B4/Zoom Scan (5x5x7)/Cube 0:</b> Measurement grid: dx=8mm, dy=8mm, dz=5mm<br/> Reference Value = 7.616 V/m; Power Drift = 0.14 dB<br/> Peak SAR (extrapolated) = 0.536 W/kg<br/> <b>SAR(1 g) = 0.394 W/kg; SAR(10 g) = 0.265 W/kg</b><br/> Maximum value of SAR (measured) = 0.483 W/kg</p> |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |

## LTE Band 5

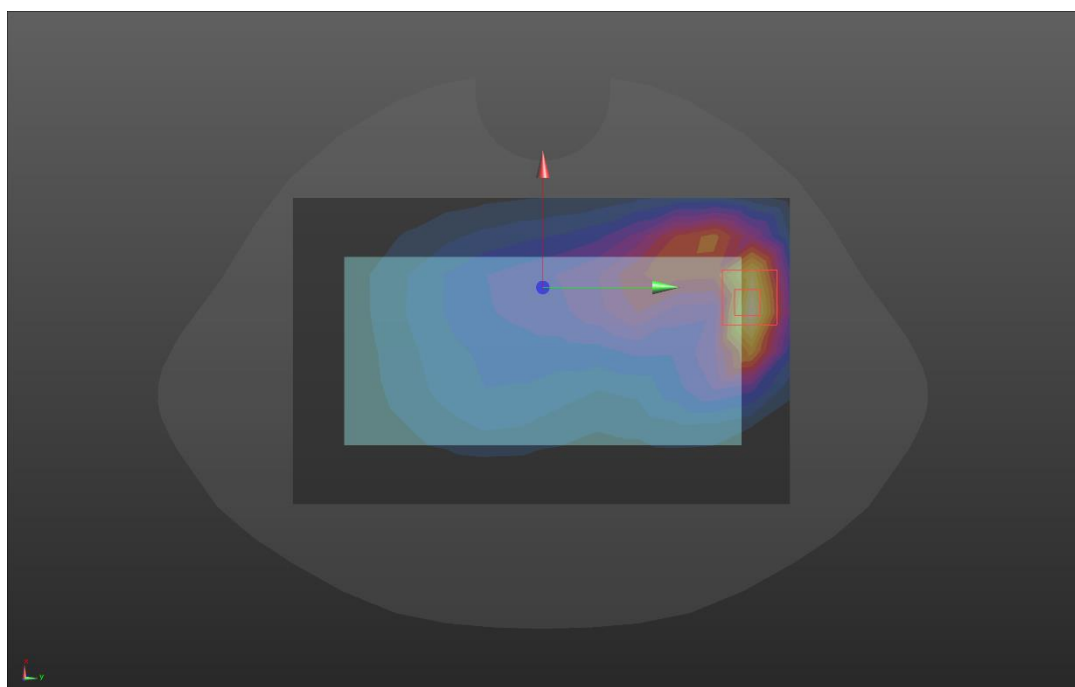
### Hotspot

### Back

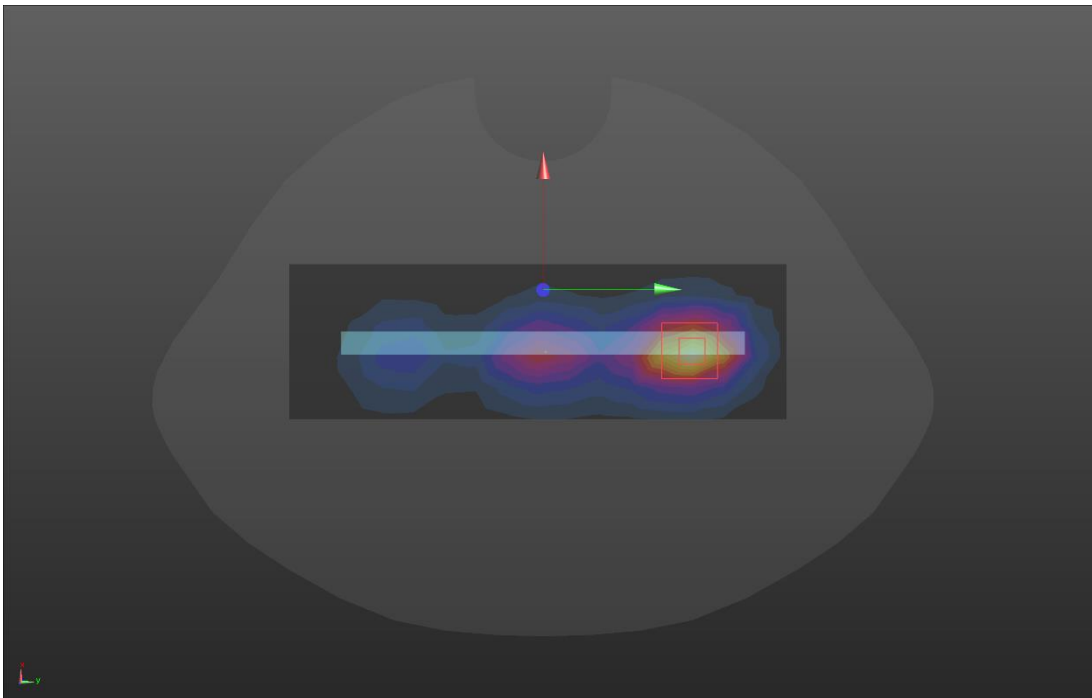
Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);  
Frequency: 836.5 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.905$  S/m;  $\epsilon_r = 41.528$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(8.63, 7.89, 8.81) @ 836.5 MHz; Calibrated: 11/27/2024
  - Sensor-Surface: 1.4mm (Mechanical Surface Detection)
  - Electronics: DAE4 Sn546; Calibrated: 9/10/2024
  - Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
  - Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)
- Back/LTE B5/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.538 W/kg  
**Back/LTE B5/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 14.88 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 0.634 W/kg  
**SAR(1 g) = 0.394 W/kg; SAR(10 g) = 0.233 W/kg**  
Maximum value of SAR (measured) = 0.521 W/kg



## LTE Band 7

| Hotspot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Left |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| <p>Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);<br/> Frequency: 2535 MHz; Duty Cycle: 1:1<br/> Medium parameters used (interpolated): <math>f = 2535</math> MHz; <math>\sigma = 1.888</math> S/m; <math>\epsilon_r = 39.084</math>; <math>\rho = 1000</math> kg/m<sup>3</sup><br/> Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> <li>Probe: EX3DV4 - SN3708; ConvF(6.72, 6.15, 6.86) @ 2535 MHz; Calibrated: 11/27/2024</li> <li>Sensor-Surface: 1.4mm (Mechanical Surface Detection)</li> <li>Electronics: DAE4 Sn546; Calibrated: 9/10/2024</li> <li>Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559</li> <li>Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)</li> </ul> <p><b>Left/LTE B7/Area Scan (6x17x1):</b> Measurement grid: dx=12mm, dy=12mm<br/> Maximum value of SAR (measured) = 0.900 W/kg</p> <p><b>Left/LTE B7/Zoom Scan (5x5x7)/Cube 0:</b> Measurement grid: dx=8mm, dy=8mm, dz=5mm<br/> Reference Value = 18.86 V/m; Power Drift = -0.02 dB<br/> Peak SAR (extrapolated) = 1.12 W/kg<br/> <b>SAR(1 g) = 0.623 W/kg; SAR(10 g) = 0.315 W/kg</b><br/> Maximum value of SAR (measured) = 0.941 W/kg</p> |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |

## LTE Band 12

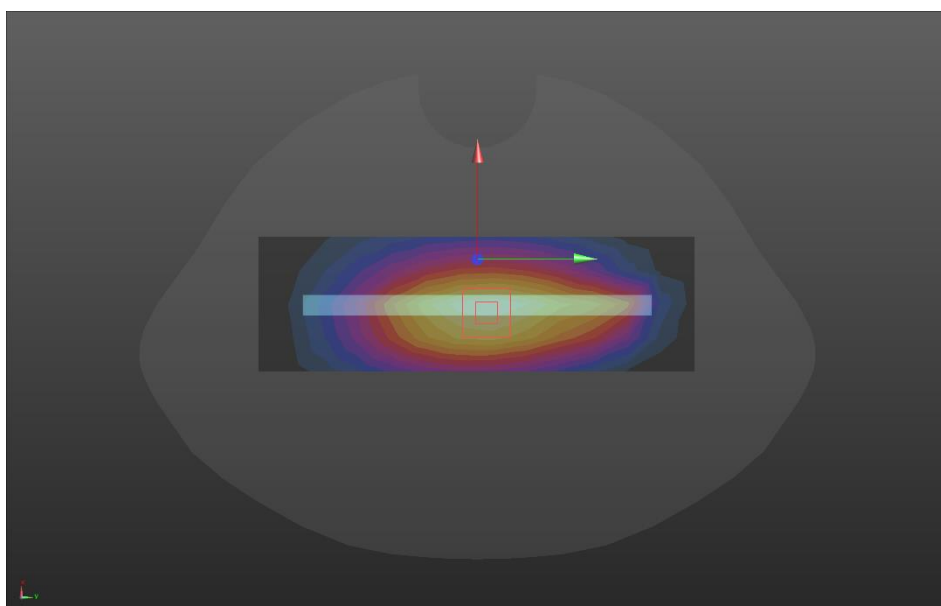
### Hotspot

### Right

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);  
Frequency: 707.5 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 707.5$  MHz;  $\sigma = 0.887$  S/m;  $\epsilon_r = 42.115$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(8.99, 8.22, 9.18) @ 707.5 MHz; Calibrated: 11/27/2024
  - Sensor-Surface: 1.4mm (Mechanical Surface Detection)
  - Electronics: DAE4 Sn546; Calibrated: 9/10/2024
  - Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
  - Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)
- Right/LTE B12/Area Scan (5x14x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.341 W/kg  
**Right/LTE B12/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 18.18 V/m; Power Drift = 0.01 dB  
Peak SAR (extrapolated) = 0.381 W/kg  
**SAR(1 g) = 0.285 W/kg; SAR(10 g) = 0.204 W/kg**  
Maximum value of SAR (measured) = 0.353 W/kg



## LTE Band 13

### Hotspot

### Right

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);  
Frequency: 782 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 782 \text{ MHz}$ ;  $\sigma = 0.893 \text{ S/m}$ ;  $\epsilon_r = 41.712$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(8.99, 8.22, 9.18) @ 782 MHz; Calibrated: 11/27/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 9/10/2024
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Right/LTE B13/Area Scan (5x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) =  $0.403 \text{ W/kg}$

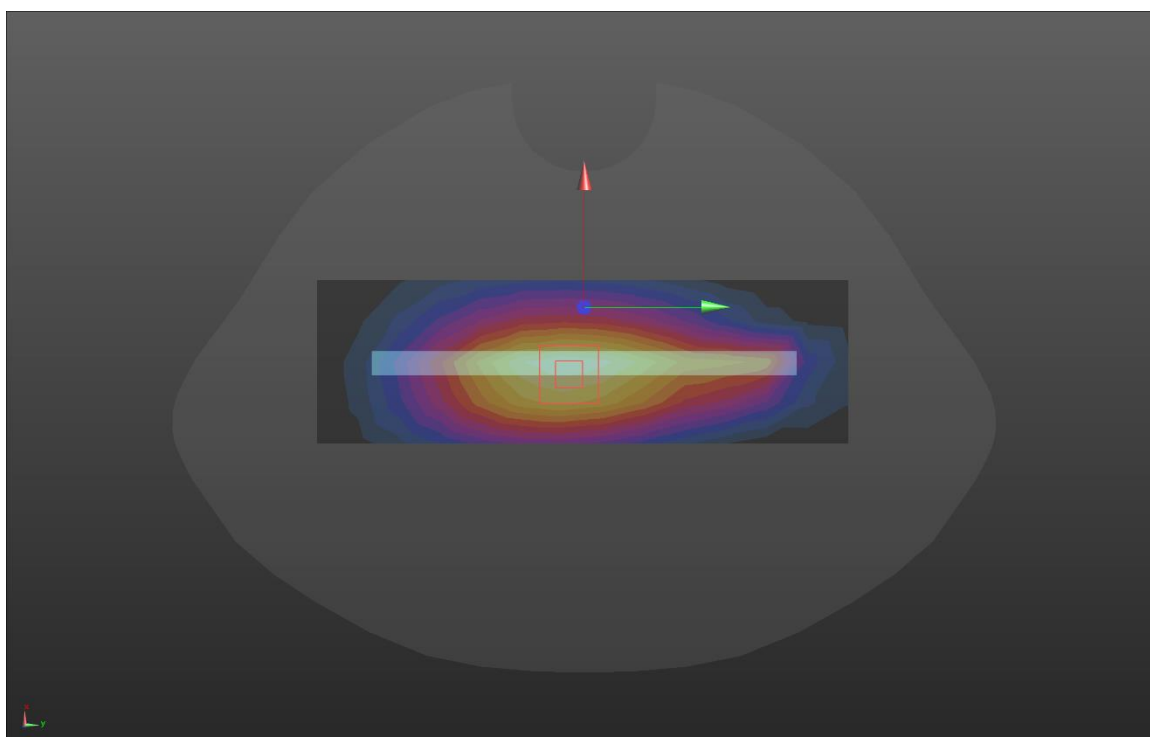
**Right/LTE B13/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $20.18 \text{ V/m}$ ; Power Drift =  $-0.01 \text{ dB}$

Peak SAR (extrapolated) =  $0.449 \text{ W/kg}$

**SAR(1 g) =  $0.336 \text{ W/kg}$ ; SAR(10 g) =  $0.237 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.415 \text{ W/kg}$



## LTE Band 17

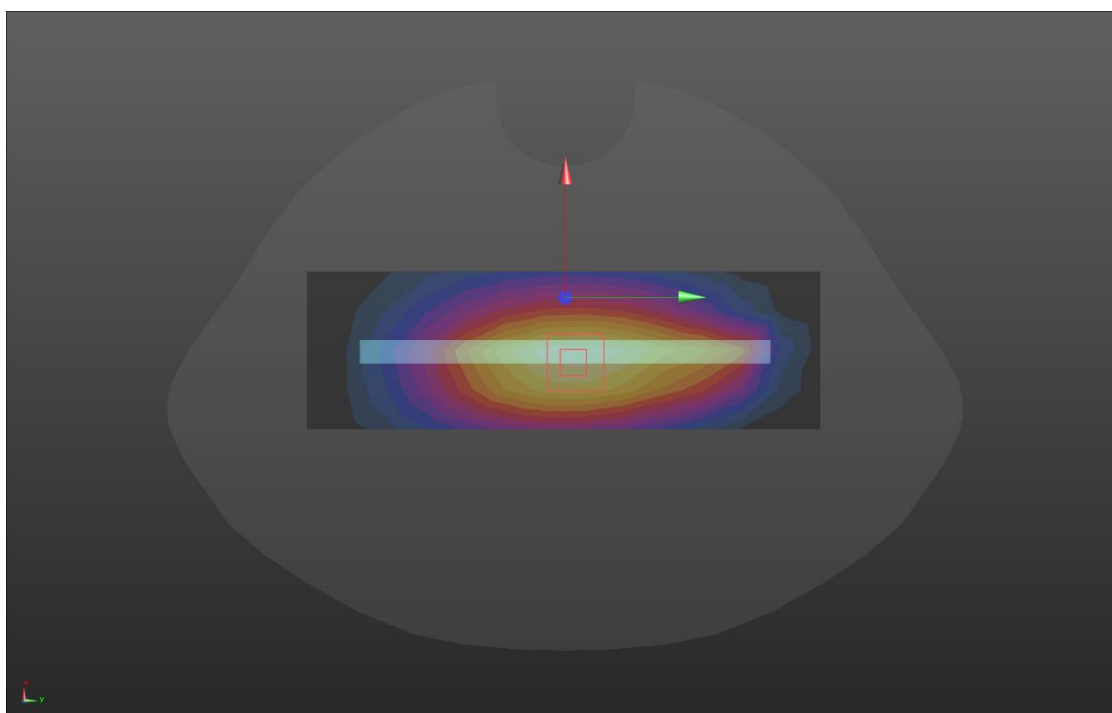
### Hotspot

### Right

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);  
Frequency: 710 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 710$  MHz;  $\sigma = 0.887$  S/m;  $\epsilon_r = 42.102$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(8.99, 8.22, 9.18) @ 710 MHz; Calibrated: 11/27/2024
  - Sensor-Surface: 1.4mm (Mechanical Surface Detection)
  - Electronics: DAE4 Sn546; Calibrated: 9/10/2024
  - Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
  - Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)
- Right/LTE B17/Area Scan (5x14x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.352 W/kg
- Right/LTE B17/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 17.82 V/m; Power Drift = 0.00 dB  
Peak SAR (extrapolated) = 0.396 W/kg  
**SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.211 W/kg**  
Maximum value of SAR (measured) = 0.367 W/kg



## LTE Band 38

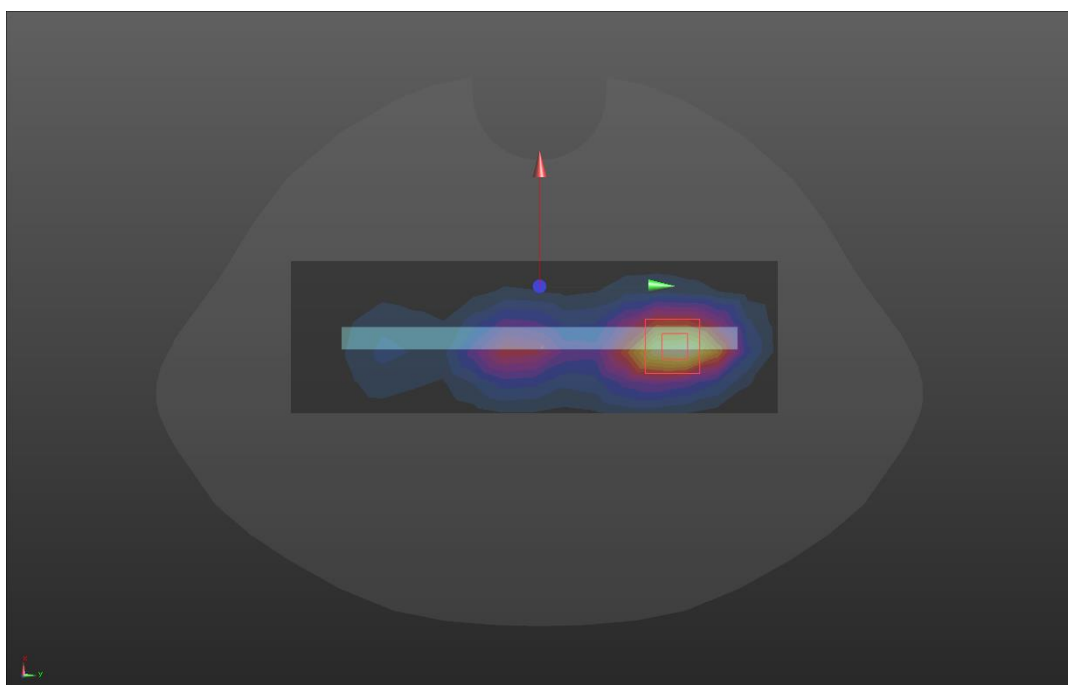
### Hotspot

### Left

Communication System: UID 10172 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK);  
Frequency: 2595 MHz; Duty Cycle: 0.633:1  
Medium parameters used (interpolated):  $f = 2595$  MHz;  $\sigma = 1.954$  S/m;  $\epsilon_r = 39.006$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(6.72, 6.15, 6.86) @ 2595 MHz; Calibrated: 11/27/2024
  - Sensor-Surface: 1.4mm (Mechanical Surface Detection)
  - Electronics: DAE4 Sn546; Calibrated: 9/10/2024
  - Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
  - Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)
- Left/LTE B38/Area Scan (6x17x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (measured) = 0.963 W/kg  
**Left/LTE B38/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 19.60 V/m; Power Drift = 0.13 dB  
Peak SAR (extrapolated) = 1.23 W/kg  
**SAR(1 g) = 0.685 W/kg; SAR(10 g) = 0.351 W/kg**  
Maximum value of SAR (measured) = 1.04 W/kg



## LTE Band 41

### Hotspot

### Left

Communication System: UID 10172 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK);  
Frequency: 2593 MHz; Duty Cycle: 0.633:1  
Medium parameters used (interpolated):  $f = 2593$  MHz;  $\sigma = 1.952$  S/m;  $\epsilon_r = 39.009$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(6.72, 6.15, 6.86) @ 2593 MHz; Calibrated: 11/27/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 9/10/2024
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Left/LTE B41/Area Scan (5x13x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.956 W/kg

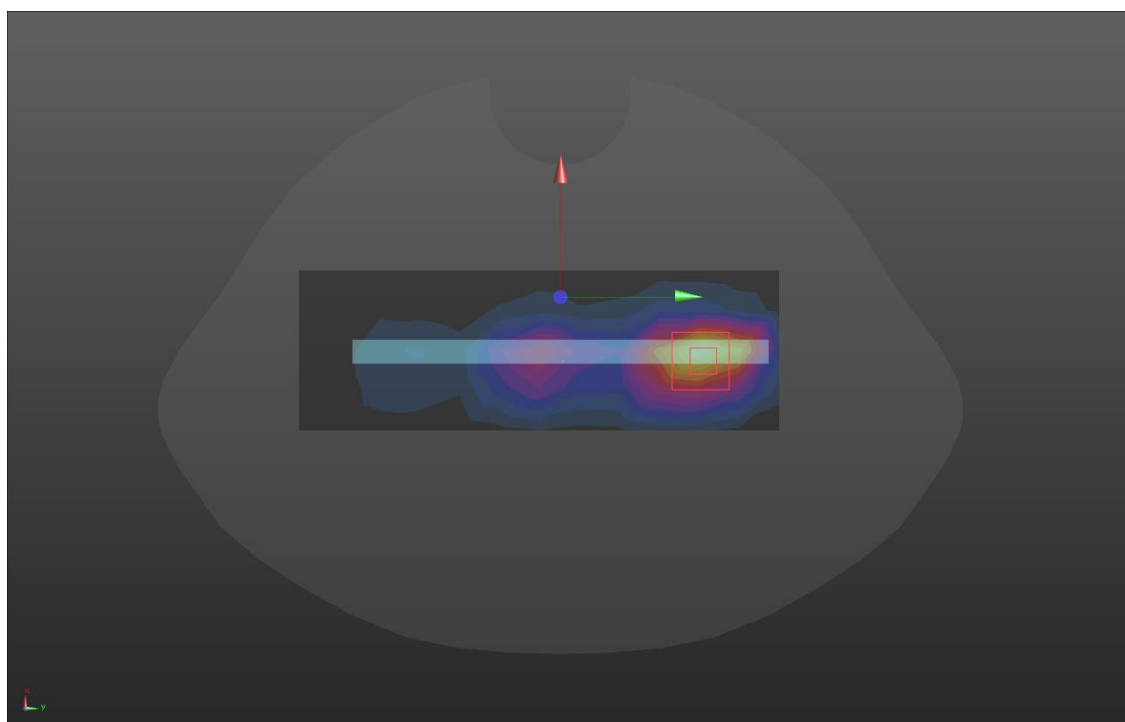
**Left/LTE B41/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.81 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.22 W/kg

**SAR(1 g) = 0.680 W/kg; SAR(10 g) = 0.348 W/kg**

Maximum value of SAR (measured) = 1.04 W/kg



## LTE Band 66

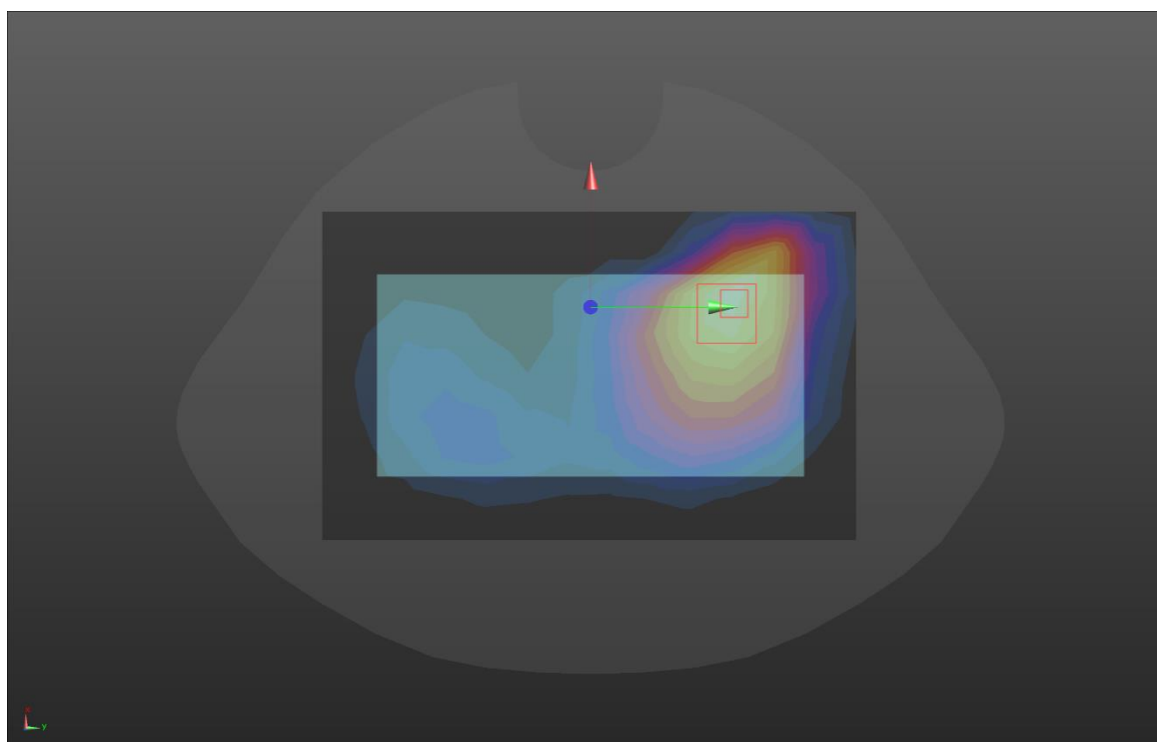
### Hotspot

### Front

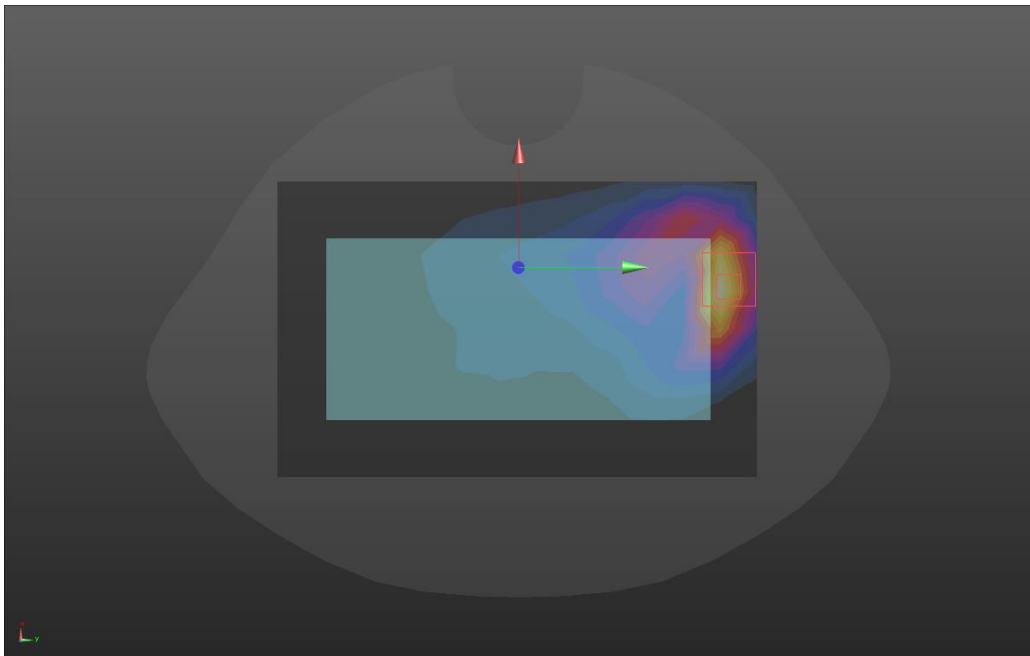
Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);  
Frequency: 1745 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1745$  MHz;  $\sigma = 1.383$  S/m;  $\epsilon_r = 40.047$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### DASY5 Configuration:

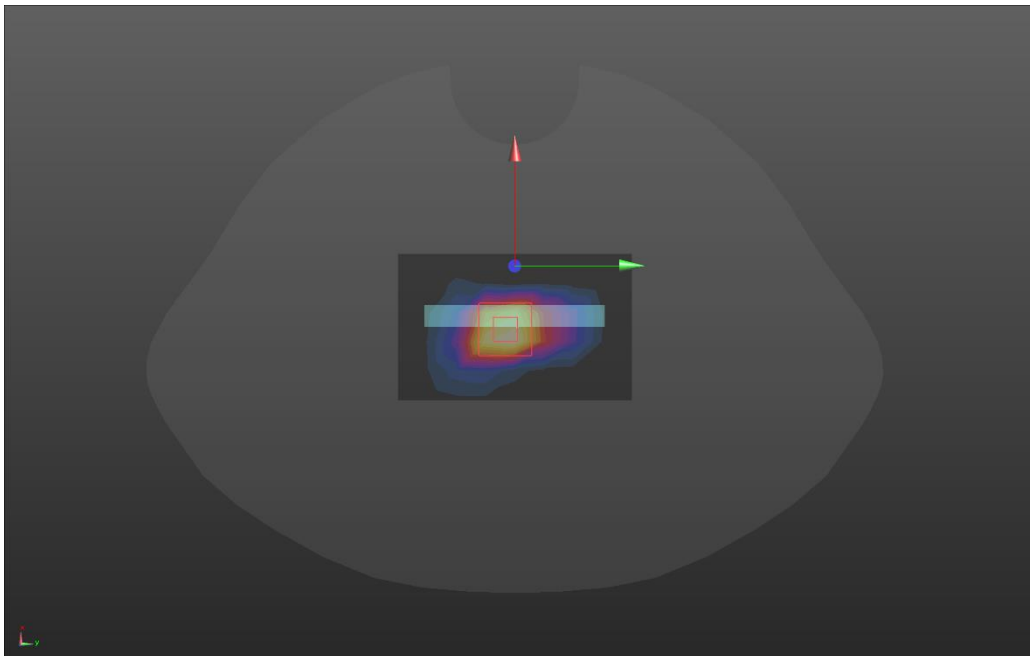
- Probe: EX3DV4 - SN3708; ConvF(7.95, 7.27, 8.12) @ 1745 MHz; Calibrated: 11/27/2024
  - Sensor-Surface: 1.4mm (Mechanical Surface Detection)
  - Electronics: DAE4 Sn546; Calibrated: 9/10/2024
  - Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
  - Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)
- Front/LTE B66/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.395 W/kg  
**Front/LTE B66/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 7.428 V/m; Power Drift = 0.17 dB  
Peak SAR (extrapolated) = 0.429 W/kg  
**SAR(1 g) = 0.317 W/kg; SAR(10 g) = 0.213 W/kg**  
Maximum value of SAR (measured) = 0.388 W/kg



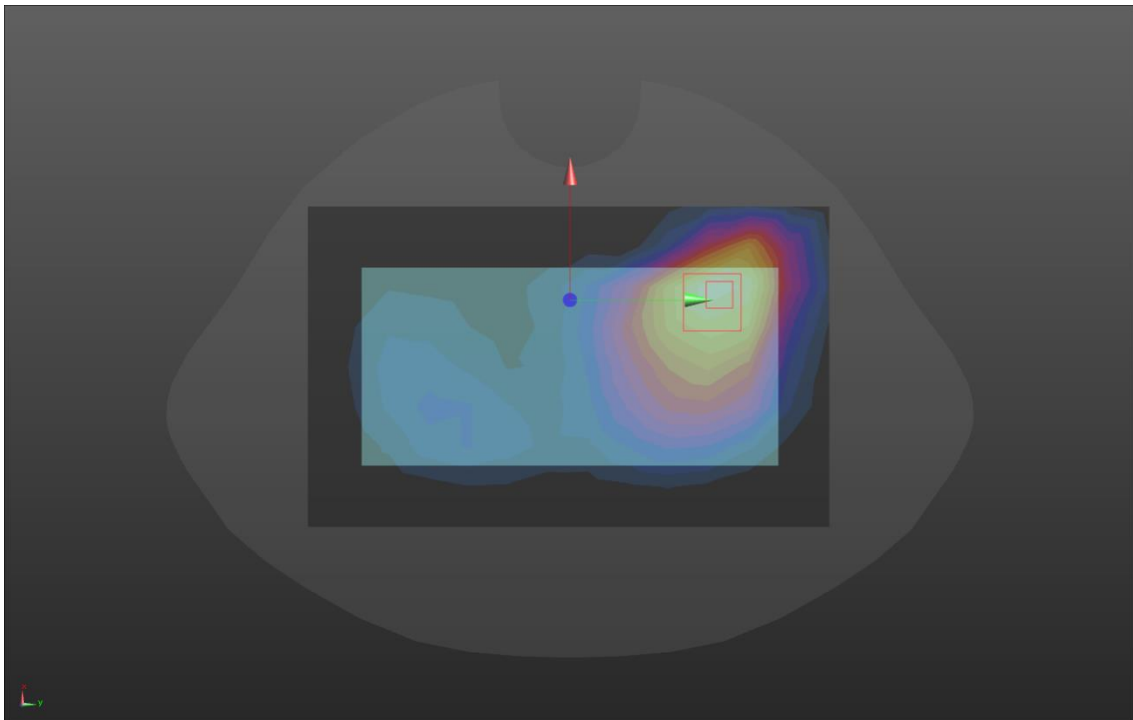
NR 5

| Hotspot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Back |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| <p>Communication System: UID 10931 - AAB, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz); Frequency: 836.5 MHz; Duty Cycle: 1:1<br/> Medium parameters used (interpolated): <math>f = 836.5</math> MHz; <math>\sigma = 0.905</math> S/m; <math>\epsilon_r = 41.528</math>; <math>\rho = 1000</math> kg/m<sup>3</sup><br/> Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> <li>Probe: EX3DV4 - SN3708; ConvF(8.63, 7.89, 8.81) @ 836.5 MHz; Calibrated: 11/27/2024</li> <li>Sensor-Surface: 1.4mm (Mechanical Surface Detection)</li> <li>Electronics: DAE4 Sn546; Calibrated: 9/10/2024</li> <li>Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559</li> <li>Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)</li> </ul> <p><b>Back/NR n5/Area Scan (9x14x1):</b> Measurement grid: dx=15mm, dy=15mm<br/> Maximum value of SAR (measured) = 0.470 W/kg</p> <p><b>Back/NR n5/Zoom Scan (5x5x7)/Cube 0:</b> Measurement grid: dx=8mm, dy=8mm, dz=5mm<br/> Reference Value = 12.35 V/m; Power Drift = -0.07 dB<br/> Peak SAR (extrapolated) = 0.554 W/kg<br/> <b>SAR(1 g) = 0.302 W/kg; SAR(10 g) = 0.167 W/kg</b><br/> Maximum value of SAR (measured) = 0.469 W/kg</p> |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |

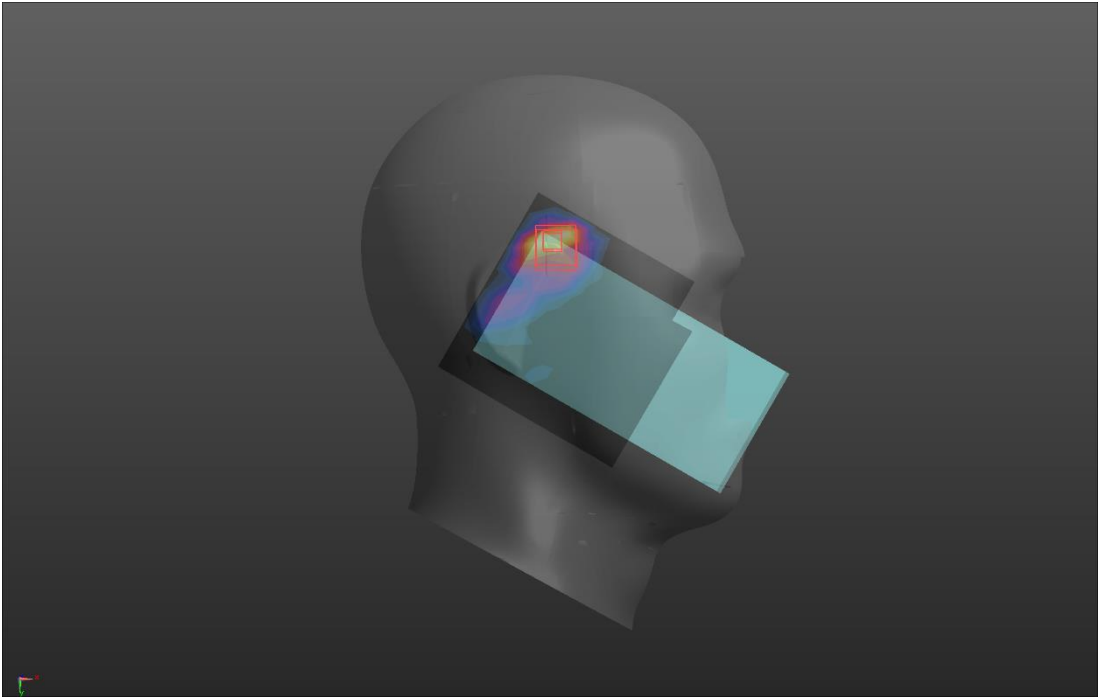
## NR 41

| Hotspot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Bottom |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <p>Communication System: UID 10900 - AAB, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz); Frequency: 2592.99 MHz; Duty Cycle: 0.633:1<br/> Medium parameters used (interpolated): <math>f = 2592.99</math> MHz; <math>\sigma = 1.952</math> S/m; <math>\epsilon_r = 39.009</math>; <math>\rho = 1000</math> kg/m<sup>3</sup><br/> Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> <li>Probe: EX3DV4 - SN3708; ConvF(6.72, 6.15, 6.86) @ 2592.99 MHz; Calibrated: 11/27/2024</li> <li>Sensor-Surface: 1.4mm (Mechanical Surface Detection)</li> <li>Electronics: DAE4 Sn546; Calibrated: 9/10/2024</li> <li>Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559</li> <li>Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)</li> </ul> <p><b>Bottom/NR n41/Area Scan (6x9x1):</b> Measurement grid: dx=12mm, dy=12mm<br/> Maximum value of SAR (measured) = 0.108 W/kg<br/> <b>Bottom/NR n41/Zoom Scan (5x5x7)/Cube 0:</b> Measurement grid: dx=8mm, dy=8mm, dz=5mm<br/> Reference Value = 8.995 V/m; Power Drift = 0.08 dB<br/> Peak SAR (extrapolated) = 0.181 W/kg<br/> <b>SAR(1 g) = 0.095 W/kg; SAR(10 g) = 0.042 W/kg</b><br/> Maximum value of SAR (measured) = 0.154 W/kg</p>  |        |

NR 66

| Hotspot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Front |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| <p>Communication System: UID 10931 - AAB, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz); Frequency: 1745 MHz; Duty Cycle: 1:1<br/> Medium parameters used (interpolated): <math>f = 1745</math> MHz; <math>\sigma = 1.383</math> S/m; <math>\epsilon_r = 40.047</math>; <math>\rho = 1000</math> kg/m<sup>3</sup><br/> Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> <li>Probe: EX3DV4 - SN3708; ConvF(7.95, 7.27, 8.12) @ 1745 MHz; Calibrated: 11/27/2024</li> <li>Sensor-Surface: 1.4mm (Mechanical Surface Detection)</li> <li>Electronics: DAE4 Sn546; Calibrated: 9/10/2024</li> <li>Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559</li> <li>Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)</li> </ul> <p><b>Front/NR n66/Area Scan (9x14x1):</b> Measurement grid: dx=15mm, dy=15mm<br/> Maximum value of SAR (measured) = 0.345 W/kg<br/> <b>Front/NR n66/Zoom Scan (5x5x7)/Cube 0:</b> Measurement grid: dx=8mm, dy=8mm, dz=5mm<br/> Reference Value = 6.466 V/m; Power Drift = 0.00 dB<br/> Peak SAR (extrapolated) = 0.396 W/kg<br/> <b>SAR(1 g) = 0.287 W/kg; SAR(10 g) = 0.190 W/kg</b><br/> Maximum value of SAR (measured) = 0.360 W/kg</p>  |       |

## Wi-Fi2.4GHz

| Head                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Right tilt |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <p>Communication System: UID 10415 - AAA, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle); Frequency: 2437 MHz; Duty Cycle: 1:1<br/> Medium parameters used (interpolated): <math>f = 2437</math> MHz; <math>\sigma = 1.788</math> S/m; <math>\epsilon_r = 39.219</math>; <math>\rho = 1000</math> kg/m<sup>3</sup><br/> Phantom section: Right Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> <li>Probe: EX3DV4 - SN3708; ConvF(6.91, 6.32, 7.05) @ 2437 MHz; Calibrated: 11/27/2024</li> <li>Sensor-Surface: 1.4mm (Mechanical Surface Detection)</li> <li>Electronics: DAE4 Sn546; Calibrated: 9/10/2024</li> <li>Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559</li> <li>Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)</li> </ul> <p><b>Right tilt/WLAN2.4G/Area Scan (10x10x1):</b> Measurement grid: dx=12mm, dy=12mm<br/> Maximum value of SAR (measured) = 0.0831 W/kg<br/> <b>Right tilt/WLAN2.4G/Zoom Scan (5x5x7)/Cube 0:</b> Measurement grid: dx=8mm, dy=8mm, dz=5mm<br/> Reference Value = 4.274 V/m; Power Drift = -0.09 dB<br/> Peak SAR (extrapolated) = 0.158 W/kg<br/> <b>SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.021 W/kg</b><br/> Maximum value of SAR (measured) = 0.124 W/kg</p> |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |

## Wi-Fi5GHz UNII-1

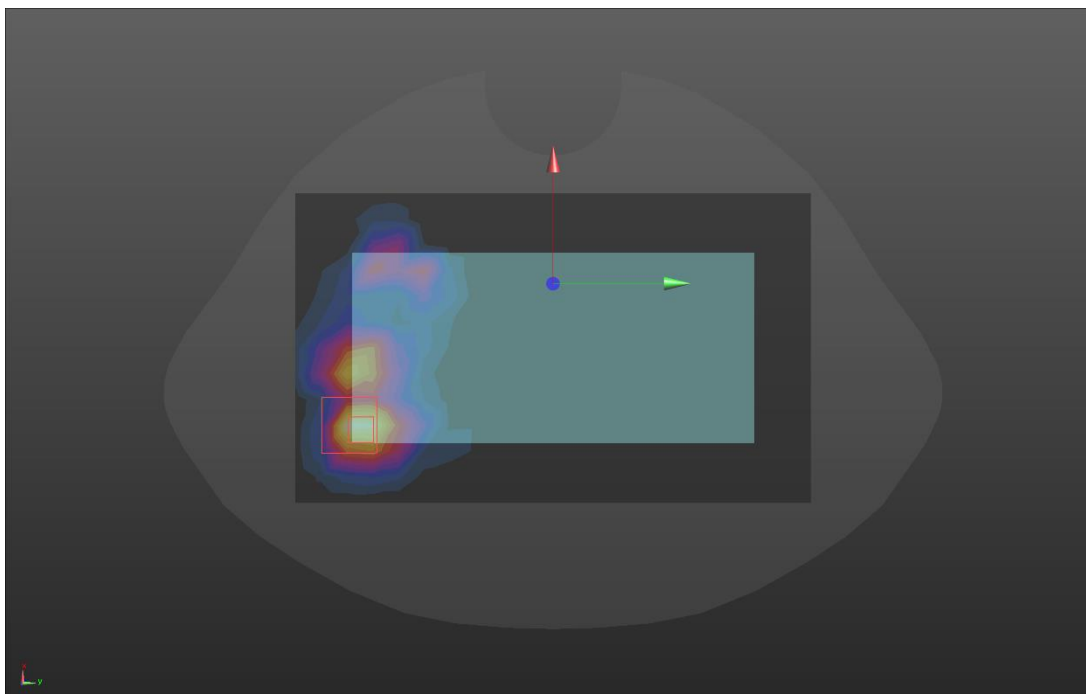
### Body-worn

### Back

Communication System: UID 10317 - AAD, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle); Frequency: 5220 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 5220$  MHz;  $\sigma = 4.68$  S/m;  $\epsilon_r = 35.98$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(5.38, 4.92, 5.49) @ 5220 MHz; Calibrated: 11/27/2024
  - Sensor-Surface: 1.4mm (Mechanical Surface Detection)
  - Electronics: DAE4 Sn546; Calibrated: 9/10/2024
  - Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
  - Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)
- Back/WLAN5G UNII-1/Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 0.268 W/kg
- Back/WLAN5G UNII-1/Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 0 V/m; Power Drift = 0.00 dB  
Peak SAR (extrapolated) = 0.501 W/kg  
**SAR(1 g) = 0.124 W/kg; SAR(10 g) = 0.034 W/kg**  
Maximum value of SAR (measured) = 0.324 W/kg



## Wi-Fi5GHz UNII-2A

### Body-worn

### Back

Communication System: UID 10317 - AAD, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 5260$  MHz;  $\sigma = 4.721$  S/m;  $\epsilon_r = 35.94$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(5.3, 4.84, 5.41) @ 5260 MHz; Calibrated: 11/27/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 9/10/2024
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Back/WLAN5G UNII-2A/Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.245 W/kg

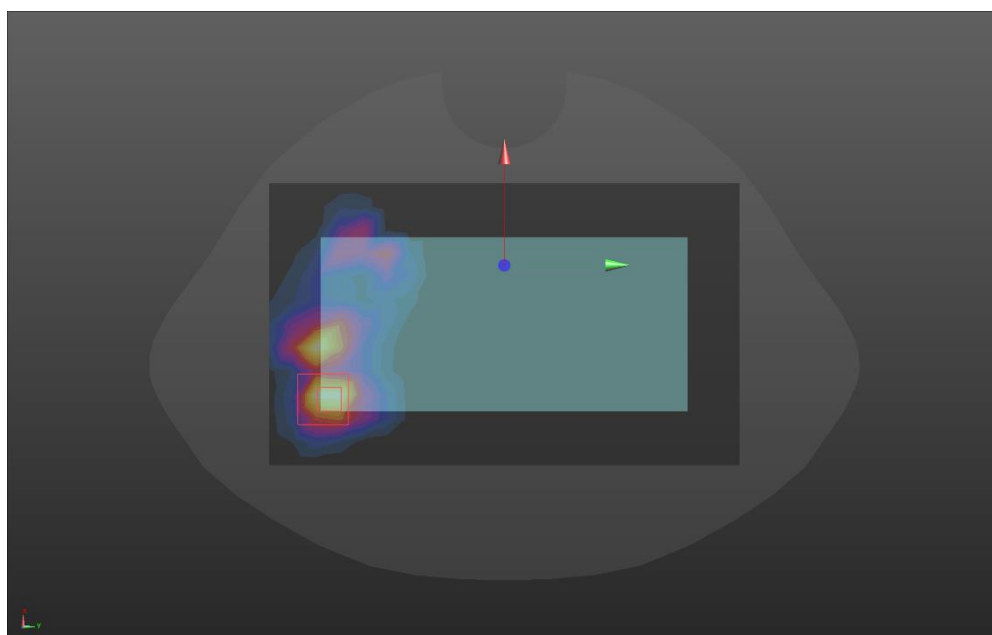
**Back/WLAN5G UNII-2A/Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.617 W/kg

**SAR(1 g) = 0.123 W/kg; SAR(10 g) = 0.035 W/kg**

Maximum value of SAR (measured) = 0.316 W/kg



## Wi-Fi5GHz UNII-2C

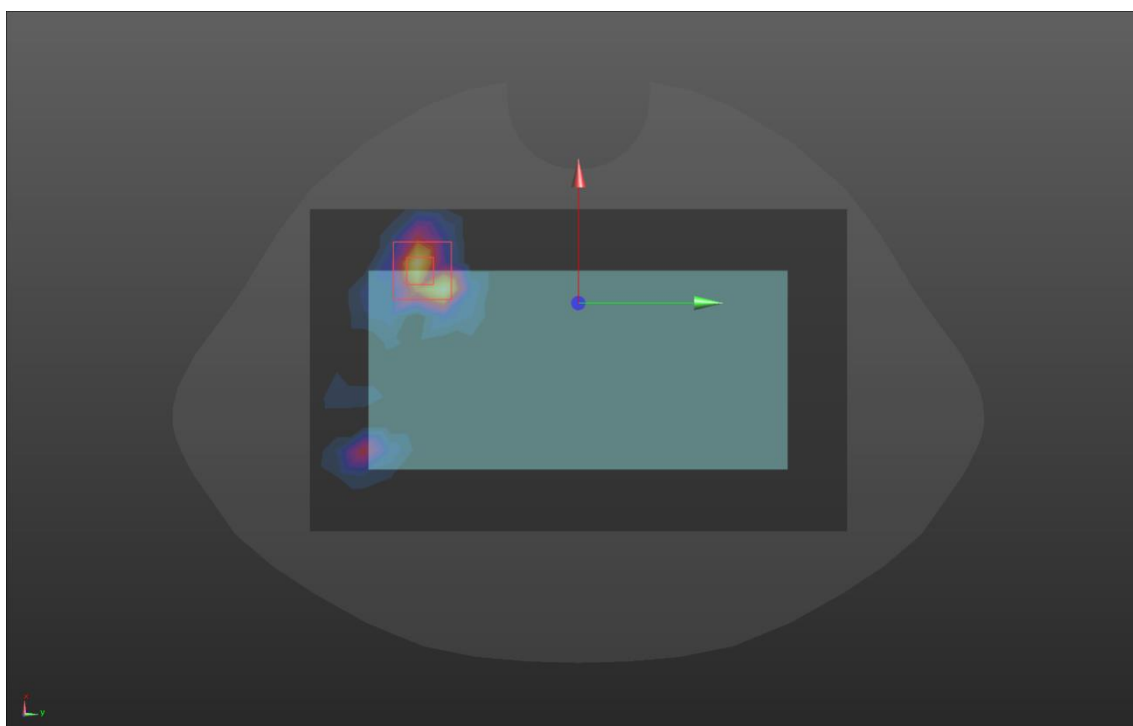
### Body-worn

### Back

Communication System: UID 10317 - AAD, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle); Frequency: 5580 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 5580$  MHz;  $\sigma = 5.049$  S/m;  $\epsilon_r = 35.526$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(4.99, 4.56, 5.09) @ 5580 MHz; Calibrated: 11/27/2024
  - Sensor-Surface: 1.4mm (Mechanical Surface Detection)
  - Electronics: DAE4 Sn546; Calibrated: 9/10/2024
  - Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
  - Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)
- Back/WLAN5G UNII-2C/Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 0.152 W/kg  
**Back/WLAN5G UNII-2C/Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 0 V/m; Power Drift = 0.00 dB  
Peak SAR (extrapolated) = 0.444 W/kg  
**SAR(1 g) = 0.064 W/kg; SAR(10 g) = 0.021 W/kg**  
Maximum value of SAR (measured) = 0.183 W/kg



## Wi-Fi5GHz UNII-3

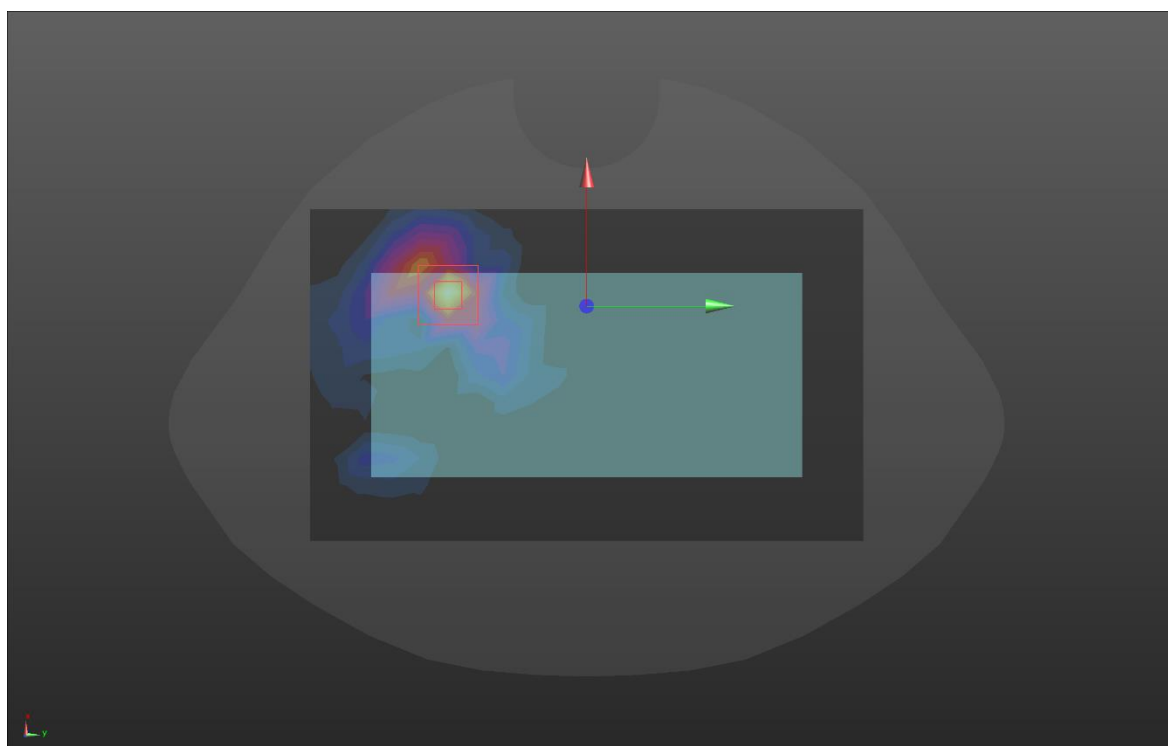
### Body-worn

### Back

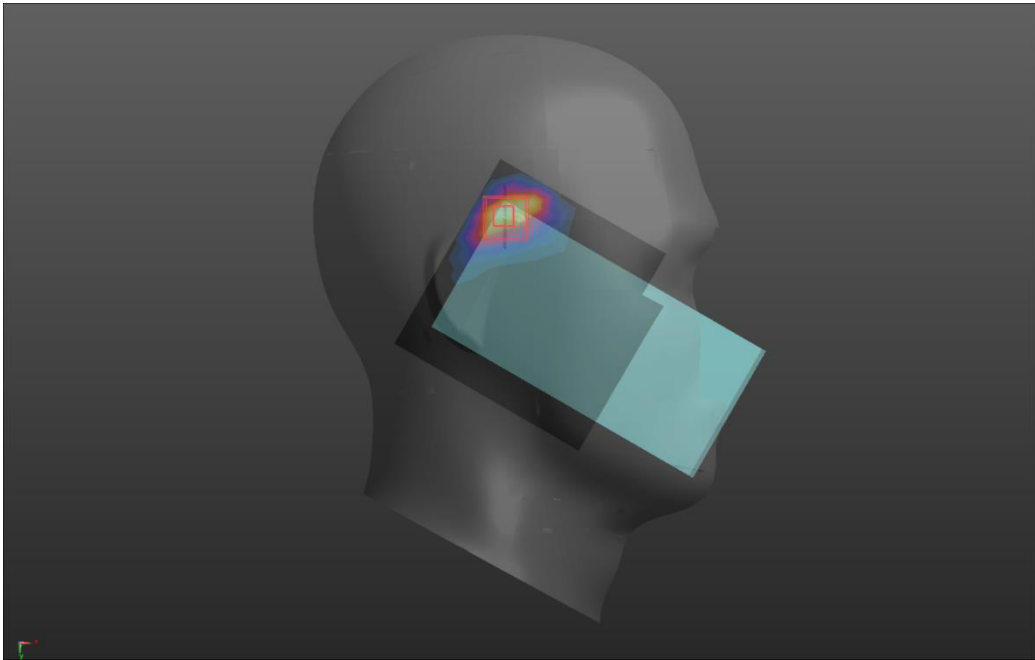
Communication System: UID 10317 - AAD, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle); Frequency: 5785 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 5785$  MHz;  $\sigma = 5.255$  S/m;  $\epsilon_r = 35.315$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(5.14, 4.7, 5.24) @ 5785 MHz; Calibrated: 11/27/2024
  - Sensor-Surface: 1.4mm (Mechanical Surface Detection)
  - Electronics: DAE4 Sn546; Calibrated: 9/10/2024
  - Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
  - Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)
- Back/WLAN5G UNII-3/Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 0.290 W/kg  
**Back/WLAN5G UNII-3/Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 0 V/m; Power Drift = 0.00 dB  
Peak SAR (extrapolated) = 0.443 W/kg  
**SAR(1 g) = 0.085 W/kg; SAR(10 g) = 0.025 W/kg**  
Maximum value of SAR (measured) = 0.267 W/kg



## BT-ANT4

| Head                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Right tilt |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <p>Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2441 MHz; Duty Cycle: 0.88:1</p> <p>Medium parameters used (interpolated): <math>f = 2441</math> MHz; <math>\sigma = 1.792</math> S/m; <math>\epsilon_r = 39.213</math>; <math>\rho = 1000</math> kg/m<sup>3</sup></p> <p>Phantom section: Right Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> <li>Probe: EX3DV4 - SN3708; ConvF(6.91, 6.32, 7.05) @ 2441 MHz; Calibrated: 11/27/2024</li> <li>Sensor-Surface: 1.4mm (Mechanical Surface Detection)</li> <li>Electronics: DAE4 Sn546; Calibrated: 9/10/2024</li> <li>Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559</li> <li>Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)</li> </ul> <p><b>Right tilt/BT-ANT0/Area Scan (10x10x1):</b> Measurement grid: dx=12mm, dy=12mm<br/>Maximum value of SAR (measured) = 0.204 W/kg</p> <p><b>Right tilt/BT-ANT0/Zoom Scan (5x5x7)/Cube 0:</b> Measurement grid: dx=8mm, dy=8mm, dz=5mm<br/>Reference Value = 3.358 V/m; Power Drift = 0.17 dB<br/>Peak SAR (extrapolated) = 0.387 W/kg<br/><b>SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.066 W/kg</b><br/>Maximum value of SAR (measured) = 0.315 W/kg</p> |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |

## BT-ANT8

### Hotspot

### Right

Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2441 MHz; Duty Cycle: 0.88:1

Medium parameters used (interpolated):  $f = 2441$  MHz;  $\sigma = 1.792$  S/m;  $\epsilon_r = 39.213$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(6.91, 6.32, 7.05) @ 2441 MHz; Calibrated: 11/27/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 9/10/2024
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Right/BT-ANT1/Area Scan (6x17x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.101 W/kg

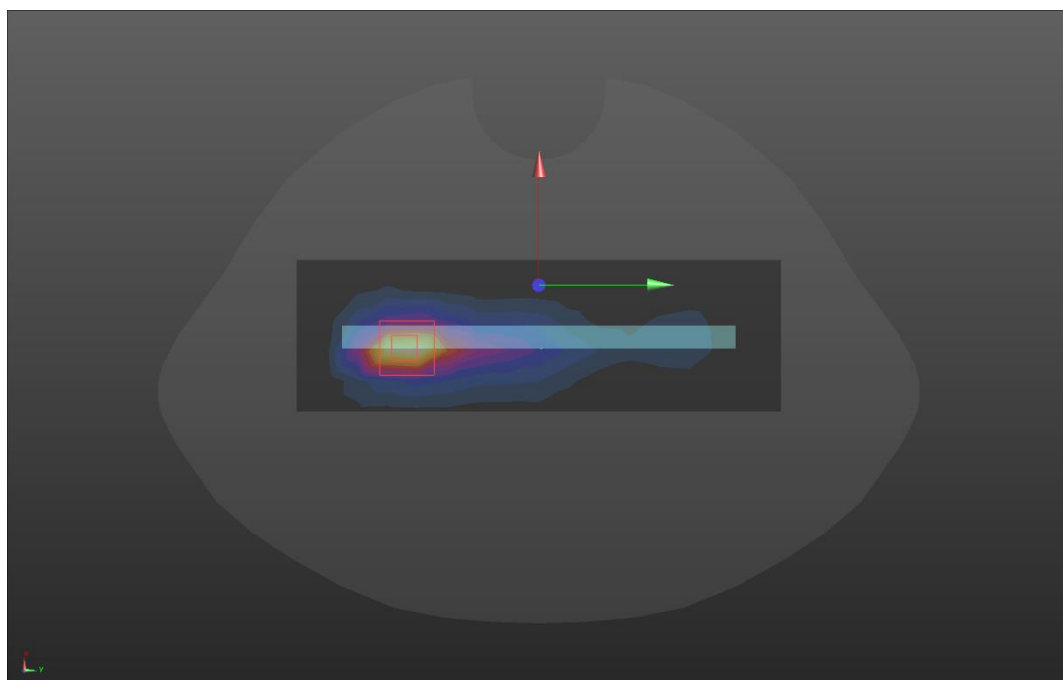
**Right/BT-ANT1/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.596 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.134 W/kg

**SAR(1 g) = 0.070 W/kg; SAR(10 g) = 0.033 W/kg**

Maximum value of SAR (measured) = 0.114 W/kg



## Appendix C. Calibration Certificate for Probe and Dipole

The SPEAG calibration certificates are shown as attached.

## Appendix D. Conducted Power Result

### GSM

#### GSM 850

| TX Mode        | TX slot | Burst Power (dBm) |       |       | Tuneup<br>Tolerance<br>(dBm) | Frame power(dBm)  |       |       |
|----------------|---------|-------------------|-------|-------|------------------------------|-------------------|-------|-------|
|                |         | Frequency/Channel |       |       |                              | Frequency/Channel |       |       |
|                |         | 824.2             | 836.6 | 848.8 |                              | 824.2             | 836.6 | 848.8 |
|                |         | 128               | 190   | 251   |                              | 128               | 190   | 251   |
| GSM            | 1 slot  | 32.06             | 32.18 | 32.25 | 33.00                        | 23.03             | 23.15 | 23.22 |
| GPRS<br>(GMSK) | 1 slot  | 31.91             | 31.93 | 32.02 | 33.00                        | 22.88             | 22.90 | 22.99 |
|                | 2 slots | 29.58             | 29.64 | 29.75 | 30.80                        | 23.56             | 23.62 | 23.73 |
|                | 3 slots | 27.92             | 28.03 | 28.13 | 29.20                        | 23.66             | 23.77 | 23.87 |
|                | 4 slots | 27.35             | 27.41 | 27.36 | 28.30                        | 24.34             | 24.40 | 24.35 |

#### GSM 1900

| GSM 1900    |         |                   |       |        |                        |                   |       |        |
|-------------|---------|-------------------|-------|--------|------------------------|-------------------|-------|--------|
| TX Mode     | TX slot | Burst Power (dBm) |       |        | Tuneup Tolerance (dBm) | Frame power(dBm)  |       |        |
|             |         | Frequency/Channel |       |        |                        | Frequency/Channel |       |        |
|             |         | 1850.2            | 1880  | 1909.8 |                        | 1850.2            | 1880  | 1909.8 |
|             |         | 512               | 661   | 810    |                        | 512               | 661   | 810    |
| GSM         | 1 slot  | 29.17             | 29.22 | 29.13  | 30.00                  | 20.14             | 20.19 | 20.10  |
| GPRS (GMSK) | 1 slot  | 29.08             | 29.02 | 28.88  | 30.00                  | 20.05             | 19.99 | 19.85  |
|             | 2 slots | 26.86             | 27.01 | 26.81  | 28.00                  | 20.84             | 20.99 | 20.79  |
|             | 3 slots | 25.29             | 25.52 | 25.25  | 26.40                  | 21.03             | 21.26 | 20.99  |
|             | 4 slots | 24.33             | 24.50 | 24.22  | 25.30                  | 21.32             | 21.49 | 21.21  |

## WCDMA

### band II

| Mode       |              | RF Output Power(dBm) |       |        | Tune up Tolerance (dBm) |
|------------|--------------|----------------------|-------|--------|-------------------------|
|            |              | 9262                 | 9400  | 9538   |                         |
|            |              | 1852.4               | 1880  | 1907.6 |                         |
| Release 99 | RMC,12.2kbps | 22.50                | 22.44 | 22.28  | 23.3                    |
| HSDPA      | Subtest1     | 21.50                | 21.42 | 21.29  | 22.3                    |
|            | Subtest2     | 21.49                | 21.43 | 21.27  | 22.3                    |
|            | Subtest3     | 21.00                | 20.93 | 20.76  | 21.8                    |
|            | Subtest4     | 20.98                | 20.92 | 20.77  | 21.8                    |
| HSUPA      | Subtest1     | 21.48                | 21.42 | 21.28  | 22.3                    |
|            | Subtest2     | 19.49                | 19.43 | 19.28  | 20.3                    |
|            | Subtest3     | 20.48                | 20.42 | 20.29  | 21.3                    |
|            | Subtest4     | 19.13                | 19.05 | 18.85  | 20.3                    |
|            | Subtest5     | 21.48                | 21.40 | 21.28  | 22.3                    |
| HSPA+      | QPSK         | 21.05                | 20.98 | 20.83  | 22.3                    |
|            | 16QAM        | 21.02                | 20.92 | 20.80  | 22.3                    |

### band IV

| Mode       |              | RF Output Power(dBm) |        |        | Tune up Tolerance (dBm) |
|------------|--------------|----------------------|--------|--------|-------------------------|
|            |              | 1312                 | 1413   | 1513   |                         |
|            |              | 1712.4               | 1732.6 | 1752.6 |                         |
| Release 99 | RMC,12.2kbps | 22.22                | 22.19  | 22.11  | 23.3                    |
| HSDPA      | Subtest1     | 21.22                | 21.22  | 21.13  | 22.3                    |
|            | Subtest2     | 21.20                | 21.16  | 21.13  | 22.3                    |
|            | Subtest3     | 20.71                | 20.67  | 20.63  | 21.8                    |
|            | Subtest4     | 20.64                | 20.67  | 20.60  | 21.8                    |
| HSUPA      | Subtest1     | 21.20                | 21.16  | 21.10  | 22.3                    |
|            | Subtest2     | 19.22                | 19.17  | 19.10  | 20.3                    |
|            | Subtest3     | 20.23                | 20.16  | 20.09  | 21.3                    |
|            | Subtest4     | 19.05                | 19.05  | 18.92  | 20.3                    |
|            | Subtest5     | 21.20                | 21.17  | 21.08  | 22.3                    |
| HSPA+      | QPSK         | 20.71                | 20.69  | 20.65  | 22.3                    |
|            | 16QAM        | 20.70                | 20.68  | 20.61  | 22.3                    |

band V

| Mode       |              | RF Output Power(dBm) |       |       | Tune up Tolerance<br>(dBm) |
|------------|--------------|----------------------|-------|-------|----------------------------|
|            |              | 4132                 | 4183  | 4233  |                            |
|            |              | 826.4                | 836.6 | 846.6 |                            |
| Release 99 | RMC,12.2kbps | 22.17                | 22.25 | 22.31 | 23.3                       |
| HSDPA      | Subtest1     | 21.24                | 21.25 | 21.30 | 22.3                       |
|            | Subtest2     | 21.22                | 21.21 | 21.22 | 22.3                       |
|            | Subtest3     | 20.72                | 20.68 | 20.78 | 21.8                       |
|            | Subtest4     | 20.72                | 20.75 | 20.81 | 21.8                       |
| HSUPA      | Subtest1     | 21.23                | 21.26 | 21.32 | 22.3                       |
|            | Subtest2     | 19.21                | 19.27 | 19.31 | 20.3                       |
|            | Subtest3     | 20.21                | 20.27 | 20.33 | 21.3                       |
|            | Subtest4     | 19.01                | 19.18 | 18.90 | 20.3                       |
|            | Subtest5     | 21.22                | 21.25 | 21.31 | 22.3                       |
| HSPA+      | QPSK         | 20.80                | 20.82 | 20.86 | 22.3                       |
|            | 16QAM        | 20.77                | 20.79 | 20.82 | 22.3                       |

**Licensed SISO1**

**Full Power**

**LTE Band2**

| BW  | Modulation | RB Size | RB Offset | Conducted power(dBm) |       |        |                      |
|-----|------------|---------|-----------|----------------------|-------|--------|----------------------|
|     |            |         |           | 18607                | 18900 | 19193  | Tune-up<br>Tolerance |
|     |            |         |           | 1850.7               | 1880  | 1909.3 |                      |
| 1.4 | QPSK       | 1       | 0         | 22.51                | 22.56 | 22.11  | 23.30                |
|     |            | 1       | 3         | 22.47                | 22.50 | 22.48  | 23.30                |
|     |            | 1       | 5         | 22.50                | 22.46 | 22.28  | 23.30                |
|     |            | 3       | 0         | 22.56                | 22.31 | 22.39  | 23.30                |
|     |            | 3       | 1         | 22.56                | 22.34 | 22.34  | 23.30                |
|     |            | 3       | 3         | 22.58                | 22.49 | 22.36  | 23.30                |
|     |            | 6       | 0         | 21.42                | 21.41 | 21.31  | 22.30                |
|     | 16QAM      | 1       | 0         | 21.80                | 21.58 | 21.38  | 22.30                |
|     |            | 1       | 3         | 21.74                | 21.52 | 21.62  | 22.30                |
|     |            | 1       | 5         | 21.74                | 21.67 | 21.49  | 22.30                |
|     |            | 3       | 0         | 21.58                | 21.38 | 21.32  | 22.30                |
|     |            | 3       | 1         | 21.57                | 21.41 | 21.38  | 22.30                |
|     |            | 3       | 3         | 21.48                | 21.51 | 21.35  | 22.30                |
|     |            | 6       | 0         | 20.59                | 20.40 | 20.38  | 21.30                |
|     | 64QAM      | 1       | 0         | 20.66                | 20.57 | 20.60  | 21.30                |
|     |            | 1       | 3         | 20.86                | 20.62 | 20.59  | 21.30                |
|     |            | 1       | 5         | 20.83                | 20.62 | 20.45  | 21.30                |
|     |            | 3       | 0         | 20.60                | 20.48 | 20.37  | 21.30                |
|     |            | 3       | 1         | 20.52                | 20.48 | 20.33  | 21.30                |
|     |            | 3       | 3         | 20.68                | 20.55 | 20.48  | 21.30                |
|     |            | 6       | 0         | 19.50                | 19.55 | 19.39  | 20.30                |

| BW | Modulation | RB Size | RB Offset | Conducted power(dBm) |       |        |                      |
|----|------------|---------|-----------|----------------------|-------|--------|----------------------|
|    |            |         |           | 18615                | 18900 | 19185  | Tune-up<br>Tolerance |
|    |            |         |           | 1851.5               | 1880  | 1908.5 |                      |
| 3  | QPSK       | 1       | 0         | 22.45                | 22.28 | 22.16  | 23.30                |
|    |            | 1       | 8         | 22.67                | 22.48 | 22.14  | 23.30                |
|    |            | 1       | 14        | 22.41                | 22.38 | 22.14  | 23.30                |
|    |            | 8       | 0         | 21.50                | 21.44 | 21.37  | 22.30                |
|    |            | 8       | 4         | 21.52                | 21.47 | 21.33  | 22.30                |
|    |            | 8       | 7         | 21.51                | 21.43 | 21.31  | 22.30                |
|    |            | 15      | 0         | 21.56                | 21.43 | 21.38  | 22.30                |
|    | 16QAM      | 1       | 0         | 21.61                | 21.49 | 21.35  | 22.30                |
|    |            | 1       | 8         | 21.91                | 21.51 | 21.62  | 22.30                |
|    |            | 1       | 14        | 21.61                | 21.71 | 21.37  | 22.30                |
|    |            | 8       | 0         | 20.53                | 20.40 | 20.28  | 21.30                |
|    |            | 8       | 4         | 20.60                | 20.38 | 20.38  | 21.30                |
|    |            | 8       | 7         | 20.64                | 20.46 | 20.35  | 21.30                |

|  |       |    |    |       |       |       |       |
|--|-------|----|----|-------|-------|-------|-------|
|  | 64QAM | 15 | 0  | 20.48 | 20.46 | 20.27 | 21.30 |
|  |       | 1  | 0  | 20.56 | 20.31 | 20.71 | 21.30 |
|  |       | 1  | 8  | 20.65 | 21.07 | 20.66 | 21.30 |
|  |       | 1  | 14 | 20.83 | 20.40 | 20.12 | 21.30 |
|  |       | 8  | 0  | 19.61 | 19.57 | 19.35 | 20.30 |
|  |       | 8  | 4  | 19.65 | 19.66 | 19.28 | 20.30 |
|  |       | 8  | 7  | 19.61 | 19.44 | 19.40 | 20.30 |
|  |       | 15 | 0  | 19.44 | 19.50 | 19.31 | 20.30 |

| BW | Modulation | RB Size | RB Offset | Conducted power(dBm) |       |        |                      |
|----|------------|---------|-----------|----------------------|-------|--------|----------------------|
|    |            |         |           | 18625                | 18900 | 19175  | Tune-up<br>Tolerance |
|    |            |         |           | 1852.5               | 1880  | 1907.5 |                      |
| 5  | QPSK       | 1       | 0         | 22.54                | 22.65 | 22.37  | 23.30                |
|    |            | 1       | 12        | 22.40                | 22.45 | 22.20  | 23.30                |
|    |            | 1       | 24        | 22.55                | 22.80 | 22.35  | 23.30                |
|    |            | 12      | 0         | 21.56                | 21.42 | 21.40  | 22.30                |
|    |            | 12      | 7         | 21.47                | 21.51 | 21.38  | 22.30                |
|    |            | 12      | 13        | 21.54                | 21.46 | 21.35  | 22.30                |
|    |            | 25      | 0         | 21.57                | 21.38 | 21.36  | 22.30                |
|    | 16QAM      | 1       | 0         | 21.89                | 21.82 | 21.68  | 22.30                |
|    |            | 1       | 12        | 21.52                | 21.81 | 21.52  | 22.30                |
|    |            | 1       | 24        | 21.64                | 21.89 | 21.73  | 22.30                |
|    |            | 12      | 0         | 20.58                | 20.47 | 20.47  | 21.30                |
|    |            | 12      | 7         | 20.69                | 20.51 | 20.41  | 21.30                |
|    |            | 12      | 13        | 20.57                | 20.55 | 20.27  | 21.30                |
|    |            | 25      | 0         | 20.54                | 20.37 | 20.33  | 21.30                |
|    | 64QAM      | 1       | 0         | 20.94                | 21.01 | 20.50  | 21.30                |
|    |            | 1       | 12        | 20.84                | 20.85 | 20.62  | 21.30                |
|    |            | 1       | 24        | 20.71                | 21.18 | 20.69  | 21.30                |
|    |            | 12      | 0         | 19.50                | 19.52 | 19.45  | 20.30                |
|    |            | 12      | 7         | 19.67                | 19.64 | 19.47  | 20.30                |
|    |            | 12      | 13        | 19.58                | 19.56 | 19.32  | 20.30                |
|    |            | 25      | 0         | 19.57                | 19.40 | 19.43  | 20.30                |

| BW | Modulation | RB Size | RB Offset | Conducted power(dBm) |       |       | Tune-up<br>Tolerance |
|----|------------|---------|-----------|----------------------|-------|-------|----------------------|
|    |            |         |           | 18650                | 18900 | 19150 |                      |
|    |            |         |           | 1855                 | 1880  | 1905  |                      |
| 10 | QPSK       | 1       | 0         | 22.48                | 22.35 | 22.25 | 23.30                |
|    |            | 1       | 25        | 22.60                | 22.34 | 22.33 | 23.30                |
|    |            | 1       | 49        | 22.48                | 22.48 | 22.46 | 23.30                |
|    |            | 25      | 0         | 21.52                | 21.36 | 21.34 | 22.30                |
|    |            | 25      | 12        | 21.65                | 21.47 | 21.34 | 22.30                |
|    |            | 25      | 25        | 21.60                | 21.47 | 21.46 | 22.30                |
|    |            | 50      | 0         | 21.50                | 21.36 | 21.27 | 22.30                |
|    | 16QAM      | 1       | 0         | 21.94                | 21.77 | 21.31 | 22.30                |

|  |       |    |    |       |       |       |       |
|--|-------|----|----|-------|-------|-------|-------|
|  |       | 1  | 25 | 21.76 | 21.85 | 21.79 | 22.30 |
|  |       | 1  | 49 | 21.79 | 21.35 | 21.54 | 22.30 |
|  |       | 25 | 0  | 20.62 | 20.44 | 20.24 | 21.30 |
|  |       | 25 | 12 | 20.62 | 20.41 | 20.34 | 21.30 |
|  |       | 25 | 25 | 20.53 | 20.51 | 20.33 | 21.30 |
|  |       | 50 | 0  | 20.54 | 20.48 | 20.28 | 21.30 |
|  | 64QAM | 1  | 0  | 20.61 | 20.59 | 20.31 | 21.30 |
|  |       | 1  | 25 | 20.62 | 20.72 | 20.78 | 21.30 |
|  |       | 1  | 49 | 20.70 | 20.52 | 20.76 | 21.30 |
|  |       | 25 | 0  | 19.52 | 19.53 | 19.30 | 20.30 |
|  |       | 25 | 12 | 19.59 | 19.33 | 19.45 | 20.30 |
|  |       | 25 | 25 | 19.65 | 19.52 | 19.36 | 20.30 |
|  |       | 50 | 0  | 19.53 | 19.41 | 19.30 | 20.30 |

| BW | Modulation | RB Size | RB Offset | Conducted power(dBm) |       |        |                      |
|----|------------|---------|-----------|----------------------|-------|--------|----------------------|
|    |            |         |           | 18675                | 18900 | 19125  | Tune-up<br>Tolerance |
|    |            |         |           | 1857.5               | 1880  | 1902.5 |                      |
| 15 | QPSK       | 1       | 0         | 22.39                | 22.23 | 22.31  | 23.30                |
|    |            | 1       | 37        | 22.94                | 22.31 | 22.69  | 23.30                |
|    |            | 1       | 74        | 22.46                | 22.50 | 22.46  | 23.30                |
|    |            | 36      | 0         | 21.51                | 21.46 | 21.31  | 22.30                |
|    |            | 36      | 29        | 21.54                | 21.47 | 21.32  | 22.30                |
|    |            | 36      | 30        | 21.53                | 21.47 | 21.34  | 22.30                |
|    |            | 75      | 0         | 21.43                | 21.33 | 21.31  | 22.30                |
|    | 16QAM      | 1       | 0         | 21.79                | 21.42 | 21.73  | 22.30                |
|    |            | 1       | 37        | 21.88                | 21.72 | 21.58  | 22.30                |
|    |            | 1       | 74        | 21.49                | 21.72 | 21.74  | 22.30                |
|    |            | 36      | 0         | 20.45                | 20.39 | 20.36  | 21.30                |
|    |            | 36      | 29        | 20.62                | 20.42 | 20.30  | 21.30                |
|    |            | 36      | 30        | 20.51                | 20.48 | 20.32  | 21.30                |
|    |            | 75      | 0         | 20.44                | 20.40 | 20.29  | 21.30                |
|    | 64QAM      | 1       | 0         | 20.59                | 20.66 | 20.71  | 21.30                |
|    |            | 1       | 37        | 20.54                | 20.71 | 20.95  | 21.30                |
|    |            | 1       | 74        | 20.55                | 20.86 | 20.62  | 21.30                |
|    |            | 36      | 0         | 19.51                | 19.55 | 19.39  | 20.30                |
|    |            | 36      | 29        | 19.58                | 19.66 | 19.33  | 20.30                |
|    |            | 36      | 30        | 19.54                | 19.51 | 19.34  | 20.30                |
|    |            | 75      | 0         | 19.51                | 19.37 | 19.38  | 20.30                |

| BW | Modulation | RB Size | RB Offset | Conducted power(dBm) |       |       | Tune-up<br>Tolerance |
|----|------------|---------|-----------|----------------------|-------|-------|----------------------|
|    |            |         |           | 18700                | 18900 | 19100 |                      |
|    |            |         |           | 1860                 | 1880  | 1900  |                      |
| 20 | QPSK       | 1       | 0         | 22.44                | 22.48 | 22.39 | 23.30                |
|    |            | 1       | 49        | 22.55                | 22.47 | 22.39 | 23.30                |
|    |            | 1       | 99        | 22.87                | 22.39 | 22.39 | 23.30                |

|  |       |     |    |       |       |       |       |
|--|-------|-----|----|-------|-------|-------|-------|
|  |       | 50  | 0  | 21.59 | 21.39 | 21.40 | 22.30 |
|  |       | 50  | 24 | 21.59 | 21.42 | 21.45 | 22.30 |
|  |       | 50  | 50 | 21.56 | 21.48 | 21.37 | 22.30 |
|  |       | 100 | 0  | 21.48 | 21.42 | 21.40 | 22.30 |
|  | 16QAM | 1   | 0  | 21.75 | 21.59 | 21.33 | 22.30 |
|  |       | 1   | 49 | 21.67 | 21.65 | 21.55 | 22.30 |
|  |       | 1   | 99 | 21.51 | 21.71 | 21.52 | 22.30 |
|  |       | 50  | 0  | 20.53 | 20.40 | 20.43 | 21.30 |
|  |       | 50  | 24 | 20.58 | 20.48 | 20.42 | 21.30 |
|  |       | 50  | 50 | 20.55 | 20.51 | 20.40 | 21.30 |
|  |       | 100 | 0  | 20.60 | 20.40 | 20.41 | 21.30 |
|  | 64QAM | 1   | 0  | 20.87 | 20.59 | 20.88 | 21.30 |
|  |       | 1   | 49 | 21.00 | 20.56 | 20.71 | 21.30 |
|  |       | 1   | 99 | 20.86 | 20.83 | 20.53 | 21.30 |
|  |       | 50  | 0  | 19.53 | 19.54 | 19.49 | 20.30 |
|  |       | 50  | 24 | 19.61 | 19.49 | 19.46 | 20.30 |
|  |       | 50  | 50 | 19.53 | 19.52 | 19.34 | 20.30 |
|  |       | 100 | 0  | 19.57 | 19.42 | 19.44 | 20.30 |

## LTE Band4

| BW  | Modulation | RB Size | RB Offset | Conducted power(dBm) |        |        |                      |
|-----|------------|---------|-----------|----------------------|--------|--------|----------------------|
|     |            |         |           | 19957                | 20175  | 20393  | Tune-up<br>Tolerance |
|     |            |         |           | 1710.7               | 1732.5 | 1754.3 |                      |
| 1.4 | QPSK       | 1       | 0         | 22.11                | 22.17  | 22.09  | 23.30                |
|     |            | 1       | 3         | 22.11                | 22.11  | 22.00  | 23.30                |
|     |            | 1       | 5         | 22.05                | 22.04  | 22.00  | 23.30                |
|     |            | 3       | 0         | 22.26                | 22.25  | 22.04  | 23.30                |
|     |            | 3       | 1         | 22.00                | 22.19  | 22.03  | 23.30                |
|     |            | 3       | 3         | 22.13                | 22.11  | 22.04  | 23.30                |
|     |            | 6       | 0         | 21.15                | 21.14  | 21.05  | 22.30                |
|     | 16QAM      | 1       | 0         | 21.43                | 21.32  | 21.16  | 22.30                |
|     |            | 1       | 3         | 21.57                | 21.48  | 21.13  | 22.30                |
|     |            | 1       | 5         | 21.26                | 21.17  | 21.30  | 22.30                |
|     |            | 3       | 0         | 21.19                | 21.39  | 21.09  | 22.30                |
|     |            | 3       | 1         | 21.09                | 21.16  | 21.05  | 22.30                |
|     |            | 3       | 3         | 21.17                | 21.24  | 21.04  | 22.30                |
|     |            | 6       | 0         | 20.02                | 20.13  | 20.07  | 21.30                |
|     | 64QAM      | 1       | 0         | 20.30                | 20.32  | 20.61  | 21.30                |
|     |            | 1       | 3         | 20.75                | 20.18  | 20.31  | 21.30                |
|     |            | 1       | 5         | 20.43                | 20.42  | 20.33  | 21.30                |
|     |            | 3       | 0         | 20.35                | 20.31  | 20.12  | 21.30                |
|     |            | 3       | 1         | 20.19                | 20.40  | 20.23  | 21.30                |
|     |            | 3       | 3         | 20.31                | 20.29  | 20.13  | 21.30                |

|  |  |   |   |       |       |       |       |
|--|--|---|---|-------|-------|-------|-------|
|  |  | 6 | 0 | 19.10 | 19.06 | 19.09 | 20.30 |
|--|--|---|---|-------|-------|-------|-------|

| BW | Modulation | RB Size | RB Offset | Conducted power(dBm) |        |        |                      |
|----|------------|---------|-----------|----------------------|--------|--------|----------------------|
|    |            |         |           | 19965                | 20175  | 20385  | Tune-up<br>Tolerance |
|    |            |         |           | 1711.5               | 1732.5 | 1753.5 |                      |
| 3  | QPSK       | 1       | 0         | 22.45                | 22.28  | 22.16  | 23.30                |
|    |            | 1       | 8         | 22.67                | 22.48  | 22.14  | 23.30                |
|    |            | 1       | 14        | 22.41                | 22.38  | 22.14  | 23.30                |
|    |            | 8       | 0         | 21.50                | 21.44  | 21.37  | 22.30                |
|    |            | 8       | 4         | 21.52                | 21.47  | 21.33  | 22.30                |
|    |            | 8       | 7         | 21.51                | 21.43  | 21.31  | 22.30                |
|    |            | 15      | 0         | 21.56                | 21.43  | 21.38  | 22.30                |
|    | 16QAM      | 1       | 0         | 21.61                | 21.49  | 21.35  | 22.30                |
|    |            | 1       | 8         | 21.91                | 21.51  | 21.62  | 22.30                |
|    |            | 1       | 14        | 21.61                | 21.71  | 21.37  | 22.30                |
|    |            | 8       | 0         | 20.53                | 20.40  | 20.28  | 21.30                |
|    |            | 8       | 4         | 20.60                | 20.38  | 20.38  | 21.30                |
|    |            | 8       | 7         | 20.64                | 20.46  | 20.35  | 21.30                |
|    |            | 15      | 0         | 20.48                | 20.46  | 20.27  | 21.30                |
|    | 64QAM      | 1       | 0         | 20.56                | 20.31  | 20.71  | 21.30                |
|    |            | 1       | 8         | 20.65                | 21.07  | 20.66  | 21.30                |
|    |            | 1       | 14        | 20.83                | 20.40  | 20.12  | 21.30                |
|    |            | 8       | 0         | 19.61                | 19.57  | 19.35  | 20.30                |
|    |            | 8       | 4         | 19.65                | 19.66  | 19.28  | 20.30                |
|    |            | 8       | 7         | 19.61                | 19.44  | 19.40  | 20.30                |
|    |            | 15      | 0         | 19.44                | 19.50  | 19.31  | 20.30                |

| BW | Modulation | RB Size | RB Offset | Conducted power(dBm) |        |        |                      |
|----|------------|---------|-----------|----------------------|--------|--------|----------------------|
|    |            |         |           | 19975                | 20175  | 20375  | Tune-up<br>Tolerance |
|    |            |         |           | 1712.5               | 1732.5 | 1752.5 |                      |
| 5  | QPSK       | 1       | 0         | 22.29                | 22.16  | 22.24  | 23.30                |
|    |            | 1       | 12        | 22.21                | 22.20  | 22.11  | 23.30                |
|    |            | 1       | 24        | 22.18                | 22.01  | 21.98  | 23.30                |
|    |            | 12      | 0         | 21.16                | 21.15  | 21.13  | 22.30                |
|    |            | 12      | 7         | 21.23                | 21.27  | 21.13  | 22.30                |
|    |            | 12      | 13        | 21.14                | 21.18  | 21.03  | 22.30                |
|    |            | 25      | 0         | 21.17                | 21.12  | 21.14  | 22.30                |
|    | 16QAM      | 1       | 0         | 21.17                | 21.18  | 21.19  | 22.30                |
|    |            | 1       | 12        | 21.38                | 21.23  | 21.59  | 22.30                |
|    |            | 1       | 24        | 21.69                | 21.39  | 21.11  | 22.30                |
|    |            | 12      | 0         | 20.17                | 20.19  | 20.16  | 21.30                |
|    |            | 12      | 7         | 20.27                | 20.28  | 20.14  | 21.30                |
|    |            | 12      | 13        | 20.25                | 20.25  | 20.10  | 21.30                |
|    |            | 25      | 0         | 20.14                | 20.19  | 20.12  | 21.30                |

|  |       |    |    |       |       |       |       |
|--|-------|----|----|-------|-------|-------|-------|
|  | 64QAM | 1  | 0  | 20.91 | 20.33 | 20.31 | 21.30 |
|  |       | 1  | 12 | 20.57 | 20.41 | 20.21 | 21.30 |
|  |       | 1  | 24 | 20.63 | 20.63 | 20.16 | 21.30 |
|  |       | 12 | 0  | 19.31 | 19.02 | 19.03 | 20.30 |
|  |       | 12 | 7  | 19.26 | 19.30 | 19.16 | 20.30 |
|  |       | 12 | 13 | 19.25 | 19.10 | 19.05 | 20.30 |
|  |       | 25 | 0  | 19.21 | 19.09 | 19.10 | 20.30 |

| BW | Modulation | RB Size | RB Offset | Conducted power(dBm) |        |       |                      |
|----|------------|---------|-----------|----------------------|--------|-------|----------------------|
|    |            |         |           | 20000                | 20175  | 20350 | Tune-up<br>Tolerance |
|    |            |         |           | 1715                 | 1732.5 | 1750  |                      |
| 10 | QPSK       | 1       | 0         | 22.02                | 22.34  | 21.96 | 23.30                |
|    |            | 1       | 25        | 22.17                | 22.11  | 21.92 | 23.30                |
|    |            | 1       | 49        | 22.12                | 22.07  | 22.10 | 23.30                |
|    |            | 25      | 0         | 21.17                | 21.15  | 21.10 | 22.30                |
|    |            | 25      | 12        | 21.20                | 21.08  | 21.08 | 22.30                |
|    |            | 25      | 25        | 21.21                | 21.18  | 21.06 | 22.30                |
|    |            | 50      | 0         | 21.20                | 21.06  | 21.05 | 22.30                |
|    | 16QAM      | 1       | 0         | 21.31                | 21.32  | 21.53 | 22.30                |
|    |            | 1       | 25        | 21.43                | 21.33  | 21.27 | 22.30                |
|    |            | 1       | 49        | 21.05                | 21.00  | 21.23 | 22.30                |
|    |            | 25      | 0         | 20.10                | 20.21  | 20.16 | 21.30                |
|    |            | 25      | 12        | 20.21                | 20.13  | 20.16 | 21.30                |
|    |            | 25      | 25        | 20.30                | 20.22  | 20.16 | 21.30                |
|    |            | 50      | 0         | 20.16                | 20.13  | 20.12 | 21.30                |
|    | 64QAM      | 1       | 0         | 20.32                | 20.11  | 20.08 | 21.30                |
|    |            | 1       | 25        | 20.38                | 20.35  | 20.47 | 21.30                |
|    |            | 1       | 49        | 20.61                | 20.24  | 20.16 | 21.30                |
|    |            | 25      | 0         | 19.16                | 19.12  | 19.12 | 20.30                |
|    |            | 25      | 12        | 19.21                | 19.09  | 19.05 | 20.30                |
|    |            | 25      | 25        | 19.26                | 19.31  | 19.10 | 20.30                |
|    |            | 50      | 0         | 19.21                | 19.08  | 19.07 | 20.30                |

| BW | Modulation | RB Size | RB Offset | Conducted power(dBm) |        |        | Tune-up<br>Tolerance |
|----|------------|---------|-----------|----------------------|--------|--------|----------------------|
|    |            |         |           | 20025                | 20175  | 20325  |                      |
|    |            |         |           | 1717.5               | 1732.5 | 1747.5 |                      |
| 15 | QPSK       | 1       | 0         | 22.08                | 22.34  | 22.13  | 23.30                |
|    |            | 1       | 37        | 22.10                | 22.22  | 22.14  | 23.30                |
|    |            | 1       | 74        | 22.08                | 22.02  | 22.13  | 23.30                |
|    |            | 36      | 0         | 21.09                | 21.03  | 21.06  | 22.30                |
|    |            | 36      | 29        | 21.21                | 21.12  | 21.16  | 22.30                |
|    |            | 36      | 30        | 21.18                | 21.11  | 21.10  | 22.30                |
|    |            | 75      | 0         | 21.16                | 21.05  | 20.91  | 22.30                |
|    | 16QAM      | 1       | 0         | 21.26                | 21.39  | 21.12  | 22.30                |
|    |            | 1       | 37        | 21.37                | 21.43  | 21.59  | 22.30                |

|  |       |    |    |       |       |       |       |
|--|-------|----|----|-------|-------|-------|-------|
|  |       | 1  | 74 | 21.42 | 21.19 | 21.13 | 22.30 |
|  |       | 36 | 0  | 20.12 | 20.16 | 20.02 | 21.30 |
|  |       | 36 | 29 | 20.52 | 20.14 | 20.14 | 21.30 |
|  |       | 36 | 30 | 20.21 | 20.13 | 20.06 | 21.30 |
|  |       | 75 | 0  | 20.19 | 19.98 | 20.04 | 21.30 |
|  | 64QAM | 1  | 0  | 20.47 | 20.71 | 20.34 | 21.30 |
|  |       | 1  | 37 | 20.65 | 20.32 | 20.54 | 21.30 |
|  |       | 1  | 74 | 20.38 | 19.87 | 20.44 | 21.30 |
|  |       | 36 | 0  | 19.15 | 19.17 | 19.04 | 20.30 |
|  |       | 36 | 29 | 19.19 | 19.07 | 19.13 | 20.30 |
|  |       | 36 | 30 | 19.09 | 19.12 | 19.15 | 20.30 |
|  |       | 75 | 0  | 19.22 | 19.15 | 19.00 | 20.30 |

| BW | Modulation | RB Size | RB Offset | Conducted power(dBm) |        |       |                      |
|----|------------|---------|-----------|----------------------|--------|-------|----------------------|
|    |            |         |           | 20050                | 20175  | 20300 | Tune-up<br>Tolerance |
|    |            |         |           | 1720                 | 1732.5 | 1745  |                      |
| 20 | QPSK       | 1       | 0         | 22.12                | 22.05  | 21.95 | 23.30                |
|    |            | 1       | 49        | 22.05                | 22.10  | 22.04 | 23.30                |
|    |            | 1       | 99        | 22.11                | 22.06  | 22.03 | 23.30                |
|    |            | 50      | 0         | 21.11                | 21.11  | 21.09 | 22.30                |
|    |            | 50      | 24        | 21.14                | 21.15  | 21.08 | 22.30                |
|    |            | 50      | 50        | 21.92                | 21.21  | 21.13 | 22.30                |
|    |            | 100     | 0         | 21.13                | 21.05  | 21.03 | 22.30                |
|    | 16QAM      | 1       | 0         | 21.03                | 21.34  | 21.33 | 22.30                |
|    |            | 1       | 49        | 21.29                | 21.33  | 21.18 | 22.30                |
|    |            | 1       | 99        | 21.26                | 21.09  | 21.44 | 22.30                |
|    |            | 50      | 0         | 20.09                | 20.14  | 20.14 | 21.30                |
|    |            | 50      | 24        | 20.49                | 20.20  | 20.07 | 21.30                |
|    |            | 50      | 50        | 20.23                | 20.11  | 20.15 | 21.30                |
|    |            | 100     | 0         | 20.19                | 20.09  | 20.11 | 21.30                |
|    | 64QAM      | 1       | 0         | 20.71                | 20.21  | 20.26 | 21.30                |
|    |            | 1       | 49        | 21.09                | 20.27  | 20.52 | 21.30                |
|    |            | 1       | 99        | 20.59                | 20.41  | 20.44 | 21.30                |
|    |            | 50      | 0         | 19.12                | 19.16  | 19.10 | 20.30                |
|    |            | 50      | 24        | 19.08                | 19.16  | 19.05 | 20.30                |
|    |            | 50      | 50        | 19.21                | 19.20  | 19.10 | 20.30                |
|    |            | 100     | 0         | 19.16                | 19.09  | 19.07 | 20.30                |

## LTE Band5

| BW  | Modulation | RB Size | RB Offset | Conducted power(dBm) |       |       |                      |
|-----|------------|---------|-----------|----------------------|-------|-------|----------------------|
|     |            |         |           | 20407                | 20525 | 20643 | Tune-up<br>Tolerance |
|     |            |         |           | 824.7                | 836.5 | 848.3 |                      |
| 1.4 | QPSK       | 1       | 0         | 22.90                | 22.95 | 22.85 | 24.00                |
|     |            | 1       | 3         | 22.91                | 22.89 | 22.73 | 24.00                |
|     |            | 1       | 5         | 22.90                | 22.94 | 22.80 | 24.00                |

|  |       |   |   |       |       |       |       |
|--|-------|---|---|-------|-------|-------|-------|
|  |       | 3 | 0 | 22.77 | 22.90 | 22.73 | 24.00 |
|  |       | 3 | 1 | 22.79 | 22.92 | 22.82 | 24.00 |
|  |       | 3 | 3 | 22.81 | 22.89 | 22.78 | 24.00 |
|  |       | 6 | 0 | 21.86 | 21.88 | 21.84 | 23.00 |
|  | 16QAM | 1 | 0 | 22.01 | 22.32 | 22.05 | 23.00 |
|  |       | 1 | 3 | 21.73 | 22.29 | 22.26 | 23.00 |
|  |       | 1 | 5 | 22.19 | 22.17 | 21.86 | 23.00 |
|  |       | 3 | 0 | 21.98 | 22.06 | 22.02 | 23.00 |
|  |       | 3 | 1 | 21.82 | 21.87 | 21.77 | 23.00 |
|  |       | 3 | 3 | 21.90 | 21.97 | 21.94 | 23.00 |
|  |       | 6 | 0 | 20.80 | 20.87 | 20.89 | 22.00 |
|  | 64QAM | 1 | 0 | 21.22 | 21.18 | 21.19 | 22.00 |
|  |       | 1 | 3 | 21.04 | 21.53 | 21.35 | 22.00 |
|  |       | 1 | 5 | 21.17 | 21.27 | 20.93 | 22.00 |
|  |       | 3 | 0 | 20.97 | 20.99 | 20.72 | 22.00 |
|  |       | 3 | 1 | 21.08 | 20.98 | 21.00 | 22.00 |
|  |       | 3 | 3 | 20.97 | 20.97 | 21.05 | 22.00 |
|  |       | 6 | 0 | 19.79 | 19.81 | 19.92 | 21.00 |

| BW | Modulation | RB Size | RB Offset | Conducted power(dBm) |       |       |                   |
|----|------------|---------|-----------|----------------------|-------|-------|-------------------|
|    |            |         |           | 20415                | 20525 | 20635 | Tune-up Tolerance |
|    |            |         |           | 825.5                | 836.5 | 847.5 |                   |
| 3  | QPSK       | 1       | 0         | 22.92                | 22.79 | 22.78 | 24.00             |
|    |            | 1       | 8         | 22.82                | 22.90 | 22.81 | 24.00             |
|    |            | 1       | 14        | 22.83                | 22.88 | 22.84 | 24.00             |
|    |            | 8       | 0         | 21.96                | 21.96 | 21.79 | 23.00             |
|    |            | 8       | 4         | 21.96                | 21.92 | 21.88 | 23.00             |
|    |            | 8       | 7         | 21.87                | 21.95 | 21.88 | 23.00             |
|    |            | 15      | 0         | 21.85                | 21.92 | 21.79 | 23.00             |
|    | 16QAM      | 1       | 0         | 22.05                | 22.14 | 22.02 | 23.00             |
|    |            | 1       | 8         | 22.14                | 22.14 | 21.93 | 23.00             |
|    |            | 1       | 14        | 22.17                | 22.16 | 22.01 | 23.00             |
|    |            | 8       | 0         | 20.99                | 20.96 | 20.83 | 22.00             |
|    |            | 8       | 4         | 20.96                | 21.02 | 20.85 | 22.00             |
|    |            | 8       | 7         | 20.97                | 21.07 | 20.93 | 22.00             |
|    |            | 15      | 0         | 21.01                | 20.99 | 20.86 | 22.00             |
|    | 64QAM      | 1       | 0         | 21.14                | 21.05 | 20.90 | 22.00             |
|    |            | 1       | 8         | 21.44                | 21.27 | 21.37 | 22.00             |
|    |            | 1       | 14        | 21.34                | 21.27 | 21.05 | 22.00             |
|    |            | 8       | 0         | 19.98                | 19.97 | 19.96 | 21.00             |
|    |            | 8       | 4         | 19.99                | 19.95 | 19.93 | 21.00             |
|    |            | 8       | 7         | 19.89                | 20.01 | 19.89 | 21.00             |
|    |            | 15      | 0         | 19.98                | 19.92 | 19.86 | 21.00             |

| BW | Modulation | RB Size | RB Offset | Conducted power(dBm) |
|----|------------|---------|-----------|----------------------|
|----|------------|---------|-----------|----------------------|

|   |       |    |    | 20425 | 20525 | 20625 | Tune-up<br>Tolerance |
|---|-------|----|----|-------|-------|-------|----------------------|
|   |       |    |    | 826.5 | 836.5 | 846.5 |                      |
| 5 | QPSK  | 1  | 0  | 22.92 | 22.92 | 22.85 | 24.00                |
|   |       | 1  | 12 | 22.98 | 23.10 | 22.84 | 24.00                |
|   |       | 1  | 24 | 22.99 | 22.91 | 22.83 | 24.00                |
|   |       | 12 | 0  | 21.87 | 21.95 | 21.83 | 23.00                |
|   |       | 12 | 7  | 21.92 | 21.96 | 21.93 | 23.00                |
|   |       | 12 | 13 | 21.88 | 22.01 | 21.88 | 23.00                |
|   |       | 25 | 0  | 21.92 | 21.91 | 21.97 | 23.00                |
|   | 16QAM | 1  | 0  | 21.89 | 22.24 | 22.07 | 23.00                |
|   |       | 1  | 12 | 21.87 | 22.34 | 22.05 | 23.00                |
|   |       | 1  | 24 | 22.05 | 22.18 | 22.08 | 23.00                |
|   |       | 12 | 0  | 20.81 | 20.92 | 20.93 | 22.00                |
|   |       | 12 | 7  | 20.98 | 20.91 | 20.96 | 22.00                |
|   |       | 12 | 13 | 20.91 | 20.93 | 20.95 | 22.00                |
|   |       | 25 | 0  | 20.94 | 20.93 | 20.90 | 22.00                |
|   | 64QAM | 1  | 0  | 21.16 | 21.33 | 21.16 | 22.00                |
|   |       | 1  | 12 | 20.95 | 21.29 | 21.13 | 22.00                |
|   |       | 1  | 24 | 21.19 | 21.09 | 21.03 | 22.00                |
|   |       | 12 | 0  | 19.90 | 19.93 | 19.82 | 21.00                |
|   |       | 12 | 7  | 20.06 | 19.94 | 19.76 | 21.00                |
|   |       | 12 | 13 | 20.07 | 19.97 | 19.87 | 21.00                |
|   |       | 25 | 0  | 20.00 | 19.98 | 19.86 | 21.00                |

| BW | Modulation | RB Size | RB Offset | Conducted power(dBm) |       |       |                      |
|----|------------|---------|-----------|----------------------|-------|-------|----------------------|
|    |            |         |           | 20450                | 20525 | 20600 | Tune-up<br>Tolerance |
|    |            |         |           | 829                  | 836.5 | 844   |                      |
| 10 | QPSK       | 1       | 0         | 22.76                | 22.95 | 22.79 | 24.00                |
|    |            | 1       | 25        | 22.90                | 22.96 | 22.77 | 24.00                |
|    |            | 1       | 49        | 22.89                | 22.90 | 22.74 | 24.00                |
|    |            | 25      | 0         | 21.94                | 21.89 | 21.88 | 23.00                |
|    |            | 25      | 12        | 21.90                | 21.99 | 21.98 | 23.00                |
|    |            | 25      | 25        | 21.91                | 22.02 | 21.86 | 23.00                |
|    |            | 50      | 0         | 21.94                | 21.94 | 21.91 | 23.00                |
|    | 16QAM      | 1       | 0         | 22.08                | 22.00 | 22.40 | 23.00                |
|    |            | 1       | 25        | 21.98                | 22.27 | 22.32 | 23.00                |
|    |            | 1       | 49        | 22.11                | 22.03 | 22.32 | 23.00                |
|    |            | 25      | 0         | 20.87                | 20.97 | 20.95 | 22.00                |
|    |            | 25      | 12        | 20.93                | 20.97 | 21.07 | 22.00                |
|    |            | 25      | 25        | 20.98                | 20.96 | 20.80 | 22.00                |
|    |            | 50      | 0         | 21.05                | 20.97 | 21.01 | 22.00                |
|    | 64QAM      | 1       | 0         | 21.08                | 21.20 | 20.88 | 22.00                |
|    |            | 1       | 25        | 21.02                | 21.23 | 21.48 | 22.00                |
|    |            | 1       | 49        | 21.17                | 20.90 | 21.01 | 22.00                |
|    |            | 25      | 0         | 19.86                | 19.89 | 19.90 | 21.00                |
|    |            | 25      | 12        | 19.95                | 19.99 | 20.03 | 21.00                |
|    |            | 25      | 25        | 19.85                | 19.92 | 19.88 | 21.00                |
|    |            | 50      | 0         | 19.95                | 19.88 | 19.98 | 21.00                |

## LTE Band7

| BW | Modulation | RB Size | RB Offset | Conducted power(dBm) |       |        |                      |
|----|------------|---------|-----------|----------------------|-------|--------|----------------------|
|    |            |         |           | 20775                | 21100 | 21425  | Tune-up<br>Tolerance |
|    |            |         |           | 2502.5               | 2535  | 2567.5 |                      |
| 5  | QPSK       | 1       | 0         | 22.05                | 22.10 | 21.93  | 23.30                |
|    |            | 1       | 12        | 22.28                | 22.23 | 22.07  | 23.30                |
|    |            | 1       | 24        | 22.13                | 22.05 | 22.26  | 23.30                |
|    |            | 12      | 0         | 21.09                | 21.07 | 20.91  | 22.30                |
|    |            | 12      | 7         | 21.23                | 21.08 | 21.00  | 22.30                |
|    |            | 12      | 13        | 21.15                | 21.16 | 21.00  | 22.30                |
|    |            | 25      | 0         | 21.12                | 21.04 | 20.87  | 22.30                |
|    | 16QAM      | 1       | 0         | 21.31                | 21.30 | 21.10  | 22.30                |
|    |            | 1       | 12        | 21.08                | 21.47 | 21.49  | 22.30                |
|    |            | 1       | 24        | 21.28                | 21.15 | 21.36  | 22.30                |
|    |            | 12      | 0         | 20.17                | 20.05 | 20.13  | 21.30                |
|    |            | 12      | 7         | 20.13                | 20.10 | 20.07  | 21.30                |
|    |            | 12      | 13        | 20.17                | 20.09 | 20.02  | 21.30                |
|    |            | 25      | 0         | 20.06                | 20.01 | 19.92  | 21.30                |
|    | 64QAM      | 1       | 0         | 20.42                | 20.36 | 20.57  | 21.30                |

|  |  |    |    |       |       |       |       |
|--|--|----|----|-------|-------|-------|-------|
|  |  | 1  | 12 | 20.38 | 20.29 | 20.30 | 21.30 |
|  |  | 1  | 24 | 20.52 | 20.63 | 20.64 | 21.30 |
|  |  | 12 | 0  | 19.22 | 19.13 | 18.91 | 20.30 |
|  |  | 12 | 7  | 19.13 | 19.30 | 19.02 | 20.30 |
|  |  | 12 | 13 | 19.13 | 19.21 | 19.09 | 20.30 |
|  |  | 25 | 0  | 19.10 | 19.06 | 18.90 | 20.30 |

| BW | Modulation | RB Size | RB Offset | Conducted power(dBm) |       |       |                      |
|----|------------|---------|-----------|----------------------|-------|-------|----------------------|
|    |            |         |           | 20800                | 21100 | 21400 | Tune-up<br>Tolerance |
|    |            |         |           | 2505                 | 2535  | 2565  |                      |
| 10 | QPSK       | 1       | 0         | 22.10                | 22.03 | 22.04 | 23.30                |
|    |            | 1       | 25        | 22.06                | 21.96 | 21.76 | 23.30                |
|    |            | 1       | 49        | 22.07                | 22.17 | 21.90 | 23.30                |
|    |            | 25      | 0         | 21.11                | 21.07 | 20.94 | 22.30                |
|    |            | 25      | 12        | 21.18                | 21.05 | 20.95 | 22.30                |
|    |            | 25      | 25        | 21.22                | 20.98 | 20.90 | 22.30                |
|    |            | 50      | 0         | 21.09                | 20.97 | 20.94 | 22.30                |
|    | 16QAM      | 1       | 0         | 21.37                | 21.15 | 21.13 | 22.30                |
|    |            | 1       | 25        | 21.11                | 21.51 | 21.06 | 22.30                |
|    |            | 1       | 49        | 21.33                | 21.09 | 21.15 | 22.30                |
|    |            | 25      | 0         | 20.15                | 20.06 | 20.00 | 21.30                |
|    |            | 25      | 12        | 20.15                | 20.03 | 19.99 | 21.30                |
|    |            | 25      | 25        | 20.10                | 19.96 | 20.03 | 21.30                |
|    |            | 50      | 0         | 20.18                | 19.97 | 19.96 | 21.30                |
|    | 64QAM      | 1       | 0         | 20.08                | 20.38 | 20.07 | 21.30                |
|    |            | 1       | 25        | 20.22                | 20.03 | 20.09 | 21.30                |
|    |            | 1       | 49        | 20.42                | 20.06 | 20.50 | 21.30                |
|    |            | 25      | 0         | 19.29                | 19.15 | 19.03 | 20.30                |
|    |            | 25      | 12        | 19.21                | 19.16 | 19.01 | 20.30                |
|    |            | 25      | 25        | 19.27                | 19.10 | 18.99 | 20.30                |
|    |            | 50      | 0         | 19.19                | 19.03 | 19.04 | 20.30                |

| BW | Modulation | RB Size | RB Offset | Conducted power(dBm) |       |        |                      |
|----|------------|---------|-----------|----------------------|-------|--------|----------------------|
|    |            |         |           | 20825                | 21100 | 21375  | Tune-up<br>Tolerance |
|    |            |         |           | 2507.5               | 2535  | 2562.5 |                      |
| 15 | QPSK       | 1       | 0         | 21.97                | 22.00 | 22.08  | 23.30                |
|    |            | 1       | 37        | 21.78                | 21.93 | 22.49  | 23.30                |
|    |            | 1       | 74        | 21.99                | 21.98 | 21.88  | 23.30                |
|    |            | 36      | 0         | 21.10                | 21.01 | 20.97  | 22.30                |
|    |            | 36      | 29        | 21.03                | 20.98 | 20.85  | 22.30                |
|    |            | 36      | 30        | 20.99                | 20.93 | 20.87  | 22.30                |
|    |            | 75      | 0         | 21.01                | 20.92 | 20.84  | 22.30                |
|    | 16QAM      | 1       | 0         | 21.05                | 21.15 | 21.16  | 22.30                |
|    |            | 1       | 37        | 21.37                | 21.19 | 21.22  | 22.30                |
|    |            | 1       | 74        | 21.32                | 21.25 | 20.74  | 22.30                |

|  |       |    |    |       |       |       |       |
|--|-------|----|----|-------|-------|-------|-------|
|  |       | 36 | 0  | 20.12 | 20.06 | 19.92 | 21.30 |
|  |       | 36 | 29 | 19.99 | 19.95 | 19.91 | 21.30 |
|  |       | 36 | 30 | 20.06 | 19.92 | 19.86 | 21.30 |
|  |       | 75 | 0  | 19.98 | 19.93 | 19.96 | 21.30 |
|  | 64QAM | 1  | 0  | 20.11 | 20.11 | 20.33 | 21.30 |
|  |       | 1  | 37 | 20.30 | 20.19 | 20.21 | 21.30 |
|  |       | 1  | 74 | 20.07 | 19.98 | 20.37 | 21.30 |
|  |       | 36 | 0  | 19.14 | 19.09 | 18.95 | 20.30 |
|  |       | 36 | 29 | 19.06 | 19.06 | 19.04 | 20.30 |
|  |       | 36 | 30 | 19.00 | 19.02 | 18.86 | 20.30 |
|  |       | 75 | 0  | 19.09 | 19.00 | 18.98 | 20.30 |
|  |       |    |    |       |       |       |       |

| BW | Modulation | RB Size | RB Offset | Conducted power(dBm) |       |       |                   |
|----|------------|---------|-----------|----------------------|-------|-------|-------------------|
|    |            |         |           | 20850                | 21100 | 21350 | Tune-up Tolerance |
|    |            |         |           | 2510                 | 2535  | 2560  |                   |
| 20 | QPSK       | 1       | 0         | 21.93                | 21.98 | 21.88 | 23.30             |
|    |            | 1       | 49        | 22.29                | 21.84 | 21.86 | 23.30             |
|    |            | 1       | 99        | 22.38                | 21.91 | 21.90 | 23.30             |
|    |            | 50      | 0         | 21.06                | 21.08 | 20.96 | 22.30             |
|    |            | 50      | 24        | 21.10                | 20.97 | 21.00 | 22.30             |
|    |            | 50      | 50        | 21.06                | 21.00 | 20.98 | 22.30             |
|    |            | 100     | 0         | 21.07                | 20.93 | 20.92 | 22.30             |
|    | 16QAM      | 1       | 0         | 21.18                | 21.31 | 21.04 | 22.30             |
|    |            | 1       | 49        | 21.21                | 20.86 | 21.15 | 22.30             |
|    |            | 1       | 99        | 21.45                | 21.34 | 20.96 | 22.30             |
|    |            | 50      | 0         | 20.18                | 20.07 | 19.99 | 21.30             |
|    |            | 50      | 24        | 20.10                | 20.05 | 20.00 | 21.30             |
|    |            | 50      | 50        | 20.09                | 20.01 | 19.93 | 21.30             |
|    |            | 100     | 0         | 20.08                | 20.03 | 20.05 | 21.30             |
|    | 64QAM      | 1       | 0         | 20.40                | 20.46 | 20.24 | 21.30             |
|    |            | 1       | 49        | 20.24                | 20.11 | 19.99 | 21.30             |
|    |            | 1       | 99        | 20.57                | 20.46 | 19.82 | 21.30             |
|    |            | 50      | 0         | 19.10                | 19.10 | 19.04 | 20.30             |
|    |            | 50      | 24        | 19.13                | 19.05 | 19.00 | 20.30             |
|    |            | 50      | 50        | 19.11                | 18.99 | 19.04 | 20.30             |
|    |            | 100     | 0         | 19.03                | 18.86 | 18.86 | 20.30             |

### LTE Band12

| BW  | Modulation | RB Size | RB Offset | Conducted power(dBm) |       |       | Tune-up Tolerance |
|-----|------------|---------|-----------|----------------------|-------|-------|-------------------|
|     |            |         |           | 23017                | 23095 | 23173 |                   |
|     |            |         |           | 699.7                | 707.5 | 715.3 |                   |
| 1.4 | QPSK       | 1       | 0         | 23.46                | 23.38 | 23.42 | 24.00             |
|     |            | 1       | 3         | 23.43                | 23.48 | 23.46 | 24.00             |
|     |            | 1       | 5         | 23.28                | 23.57 | 23.28 | 24.00             |