

## Appendix A. SAR Test Result For $P_{\text{limit}}$ Calculations

SAR Results for Body Exposure Condition.

Note:

1. SAR testing for LTE / NR was performed on the maximum power mode.
2. The "< 0.001" means there is no SAR value or the SAR is too low to be measured.

### Body SAR Test Result

| System & Position |          |          |               |                          |         |     |           | DUT Configuration |         | SAR        |              |                          |                                |                |                  |                        |                      | Note              |        |                         |         |
|-------------------|----------|----------|---------------|--------------------------|---------|-----|-----------|-------------------|---------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|-------------------|--------|-------------------------|---------|
| Plot No.          | Band     | Mode     | Test Position | Separation Distance (mm) | Channel | RB# | RB offset | Ant Status        | Battery | Duty Cycle | Crest Factor | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) | Scaled SAR-1g (W/kg) | SAR Design Target | Plimit | Plimit (with Dutycycle) | Minimum |
|                   | WCDMA II | RMC12.2K | Rear Face     | 0                        | 9262    |     |           | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.95                          | 1.43           | 0.09             | 1.27                   | 1.82                 | 0.635             | 19.9   | 19.9                    | 16.4    |
|                   | WCDMA II | RMC12.2K | Left Side     | 0                        | 9262    |     |           | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.95                          | 1.43           | 0                | <0.001                 | 0.00                 | 0.635             | 51     | 51                      |         |
|                   | WCDMA II | RMC12.2K | Right Side    | 0                        | 9262    |     |           | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.95                          | 1.43           | 0.17             | 0.387                  | 0.55                 | 0.635             | 25.1   | 25.1                    |         |
| 1                 | WCDMA II | RMC12.2K | Top Side      | 0                        | 9262    |     |           | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.95                          | 1.43           | 0.04             | 2.89                   | 4.13                 | 0.635             | 16.4   | 16.4                    |         |
|                   | WCDMA II | RMC12.2K | Bottom Side   | 0                        | 9262    |     |           | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.95                          | 1.43           | 0                | <0.001                 | 0.00                 | 0.635             | 51     | 51                      |         |
|                   | WCDMA II | RMC12.2K | Top Side      | 0                        | 9400    |     |           | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.88                          | 1.45           | -0.16            | 2.7                    | 3.92                 | 0.635             | 16.6   | 16.6                    |         |
|                   | WCDMA II | RMC12.2K | Top Side      | 0                        | 9538    |     |           | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.92                          | 1.44           | 0.06             | 2.68                   | 3.86                 | 0.635             | 16.7   | 16.7                    |         |
|                   | WCDMA II | RMC12.2K | Top Side      | 0                        | 9262    |     |           | Ant 0             | 2       | -          | 1.00         | 24.50                    | 22.95                          | 1.43           | -0.07            | 2.77                   | 3.96                 | 0.635             | 16.6   | 16.6                    |         |
|                   |          |          |               |                          |         |     |           |                   |         |            |              |                          |                                |                |                  |                        |                      |                   |        |                         |         |
|                   | WCDMA IV | RMC12.2K | Rear Face     | 0                        | 1513    |     |           | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.92                          | 1.44           | -0.14            | 1.45                   | 2.09                 | 0.635             | 19.3   | 19.3                    | 16.3    |
|                   | WCDMA IV | RMC12.2K | Left Side     | 0                        | 1513    |     |           | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.92                          | 1.44           | 0                | <0.001                 | 0.00                 | 0.635             | 50.9   | 50.9                    |         |
|                   | WCDMA IV | RMC12.2K | Right Side    | 0                        | 1513    |     |           | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.92                          | 1.44           | 0.04             | 0.47                   | 0.68                 | 0.635             | 24.2   | 24.2                    |         |
| 2                 | WCDMA IV | RMC12.2K | Top Side      | 0                        | 1513    |     |           | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.92                          | 1.44           | 0.03             | 2.91                   | 4.19                 | 0.635             | 16.3   | 16.3                    |         |
|                   | WCDMA IV | RMC12.2K | Bottom Side   | 0                        | 1513    |     |           | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.92                          | 1.44           | 0                | <0.001                 | 0.00                 | 0.635             | 50.9   | 50.9                    |         |
|                   | WCDMA IV | RMC12.2K | Top Side      | 0                        | 1312    |     |           | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.88                          | 1.45           | -0.03            | 2.33                   | 3.38                 | 0.635             | 17.2   | 17.2                    |         |
|                   | WCDMA IV | RMC12.2K | Top Side      | 0                        | 1413    |     |           | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.83                          | 1.47           | -0.06            | 2.63                   | 3.87                 | 0.635             | 16.7   | 16.7                    |         |
|                   | WCDMA IV | RMC12.2K | Top Side      | 0                        | 1513    |     |           | Ant 0             | 2       | -          | 1.00         | 24.50                    | 22.92                          | 1.44           | -0.06            | 2.77                   | 3.99                 | 0.635             | 16.5   | 16.5                    |         |
|                   |          |          |               |                          |         |     |           |                   |         |            |              |                          |                                |                |                  |                        |                      |                   |        |                         |         |
|                   | WCDMA V  | RMC12.2K | Rear Face     | 0                        | 4132    |     |           | Ant 0             | 1       | -          | 1.00         | 24.50                    | 23.02                          | 1.41           | -0.06            | 0.579                  | 0.82                 | 0.635             | 23.4   | 23.4                    | 18.1    |
|                   | WCDMA V  | RMC12.2K | Left Side     | 0                        | 4132    |     |           | Ant 0             | 1       | -          | 1.00         | 24.50                    | 23.02                          | 1.41           | 0                | <0.001                 | 0.00                 | 0.635             | 51     | 51                      |         |
|                   | WCDMA V  | RMC12.2K | Right Side    | 0                        | 4132    |     |           | Ant 0             | 1       | -          | 1.00         | 24.50                    | 23.02                          | 1.41           | -0.14            | 0.078                  | 0.11                 | 0.635             | 32.1   | 32.1                    |         |
|                   | WCDMA V  | RMC12.2K | Top Side      | 0                        | 4132    |     |           | Ant 0             | 1       | -          | 1.00         | 24.50                    | 23.02                          | 1.41           | -0.16            | 1.85                   | 2.61                 | 0.635             | 18.4   | 18.4                    |         |
|                   | WCDMA V  | RMC12.2K | Bottom Side   | 0                        | 4132    |     |           | Ant 0             | 1       | -          | 1.00         | 24.50                    | 23.02                          | 1.41           | 0                | <0.001                 | 0.00                 | 0.635             | 51     | 51                      |         |
| 3                 | WCDMA V  | RMC12.2K | Top Side      | 0                        | 4182    |     |           | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.98                          | 1.42           | 0.04             | 1.94                   | 2.75                 | 0.635             | 18.1   | 18.1                    |         |
|                   | WCDMA V  | RMC12.2K | Top Side      | 0                        | 4233    |     |           | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.85                          | 1.46           | 0.04             | 1.81                   | 2.64                 | 0.635             | 18.3   | 18.3                    |         |
|                   | WCDMA V  | RMC12.2K | Top Side      | 0                        | 4182    |     |           | Ant 0             | 2       | -          | 1.00         | 24.50                    | 22.98                          | 1.42           | 0.11             | 1.84                   | 2.61                 | 0.635             | 18.4   | 18.4                    |         |
|                   |          |          |               |                          |         |     |           |                   |         |            |              |                          |                                |                |                  |                        |                      |                   |        |                         |         |
|                   | LTE 2    | QPSK20M  | Rear Face     | 0                        | 18700   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.67                          | 1.36           | 0.07             | 1.03                   | 1.40                 | 0.635             | 20.6   | 20.6                    | 16.6    |
|                   | LTE 2    | QPSK20M  | Left Side     | 0                        | 18700   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.67                          | 1.36           | 0                | <0.001                 | 0.00                 | 0.635             | 50.7   | 50.7                    |         |
|                   | LTE 2    | QPSK20M  | Right Side    | 0                        | 18700   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.67                          | 1.36           | 0.09             | 0.36                   | 0.49                 | 0.635             | 25.1   | 25.1                    |         |
| 4                 | LTE 2    | QPSK20M  | Top Side      | 0                        | 18700   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.67                          | 1.36           | 0.01             | 2.56                   | 3.48                 | 0.635             | 16.6   | 16.6                    |         |
|                   | LTE 2    | QPSK20M  | Bottom Side   | 0                        | 18700   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.67                          | 1.36           | 0                | <0.001                 | 0.00                 | 0.635             | 50.7   | 50.7                    |         |
|                   | LTE 2    | QPSK20M  | Rear Face     | 0                        | 18700   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.97                          | 1.27           | -0.05            | 0.858                  | 1.09                 | 0.635             | 20.7   | 20.7                    |         |
|                   | LTE 2    | QPSK20M  | Left Side     | 0                        | 18700   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.97                          | 1.27           | 0                | <0.001                 | 0.00                 | 0.635             | 50     | 50                      |         |
|                   | LTE 2    | QPSK20M  | Right Side    | 0                        | 18700   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.97                          | 1.27           | -0.14            | 0.278                  | 0.35                 | 0.635             | 25.6   | 25.6                    |         |
|                   | LTE 2    | QPSK20M  | Top Side      | 0                        | 18700   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.97                          | 1.27           | -0.1             | 2.08                   | 2.64                 | 0.635             | 16.8   | 16.8                    |         |
|                   | LTE 2    | QPSK20M  | Bottom Side   | 0                        | 18700   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.97                          | 1.27           | 0                | <0.001                 | 0.00                 | 0.635             | 50     | 50                      |         |
|                   | LTE 2    | QPSK20M  | Top Side      | 0                        | 18700   | 100 | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.78                          | 1.32           | 0.04             | 2.04                   | 2.69                 | 0.635             | 16.7   | 16.7                    |         |
|                   | LTE 2    | QPSK20M  | Top Side      | 0                        | 18900   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.54                          | 1.40           | 0.06             | 2.45                   | 3.43                 | 0.635             | 16.7   | 16.7                    |         |
|                   | LTE 2    | QPSK20M  | Top Side      | 0                        | 19100   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.51                          | 1.41           | -0.15            | 2.41                   | 3.40                 | 0.635             | 16.7   | 16.7                    |         |
|                   | LTE 2    | QPSK20M  | Top Side      | 0                        | 18700   | 1   | 0         | Ant 0             | 2       | -          | 1.00         | 24.00                    | 22.67                          | 1.36           | -0.03            | 2.39                   | 3.25                 | 0.635             | 16.9   | 16.9                    |         |
|                   |          |          |               |                          |         |     |           |                   |         |            |              |                          |                                |                |                  |                        |                      |                   |        |                         |         |

### Body SAR Test Result

| System & Position |       |         |               |                          |         |     |           | DUT Configuration |         | SAR        |              |                          |                                |                |                  |                        |                      | Note              |        |                         |         |
|-------------------|-------|---------|---------------|--------------------------|---------|-----|-----------|-------------------|---------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|-------------------|--------|-------------------------|---------|
| Plot No.          | Band  | Mode    | Test Position | Separation Distance (mm) | Channel | RB# | RB offset | Ant Status        | Battery | Duty Cycle | Crest Factor | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) | Scaled SAR-1g (W/kg) | SAR Design Target | Plimit | Plimit (with Dutycycle) | Minimum |
|                   | LTE 4 | QPSK20M | Rear Face     | 0                        | 20050   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.63                          | 1.37           | -0.09            | 1.24                   | 1.70                 | 0.635             | 19.7   | 19.7                    | 16.8    |
|                   | LTE 4 | QPSK20M | Left Side     | 0                        | 20050   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.63                          | 1.37           | 0                | <0.001                 | 0.00                 | 0.635             | 50.7   | 50.7                    |         |
|                   | LTE 4 | QPSK20M | Right Side    | 0                        | 20050   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.63                          | 1.37           | -0.14            | 0.263                  | 0.36                 | 0.635             | 26.5   | 26.5                    |         |
|                   | LTE 4 | QPSK20M | Top Side      | 0                        | 20050   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.63                          | 1.37           | -0.07            | 2.12                   | 2.90                 | 0.635             | 17.4   | 17.4                    |         |
|                   | LTE 4 | QPSK20M | Bottom Side   | 0                        | 20050   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.63                          | 1.37           | 0                | <0.001                 | 0.00                 | 0.635             | 50.7   | 50.7                    |         |
|                   | LTE 4 | QPSK20M | Rear Face     | 0                        | 20050   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.54                          | 1.40           | 0.01             | 1.04                   | 1.46                 | 0.635             | 19.4   | 19.4                    |         |
|                   | LTE 4 | QPSK20M | Left Side     | 0                        | 20050   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.54                          | 1.40           | 0                | <0.001                 | 0.00                 | 0.635             | 49.6   | 49.6                    |         |
|                   | LTE 4 | QPSK20M | Right Side    | 0                        | 20050   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.54                          | 1.40           | 0.09             | 0.229                  | 0.32                 | 0.635             | 26     | 26                      |         |
|                   | LTE 4 | QPSK20M | Top Side      | 0                        | 20050   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.54                          | 1.40           | 0.18             | 1.77                   | 2.48                 | 0.635             | 17.1   | 17.1                    |         |
|                   | LTE 4 | QPSK20M | Bottom Side   | 0                        | 20050   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.54                          | 1.40           | 0                | <0.001                 | 0.00                 | 0.635             | 49.6   | 49.6                    |         |
|                   | LTE 4 | QPSK20M | Top Side      | 0                        | 20050   | 100 | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.52                          | 1.41           | -0.03            | 1.65                   | 2.33                 | 0.635             | 17.4   | 17.4                    |         |
|                   | LTE 4 | QPSK20M | Top Side      | 0                        | 20175   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.54                          | 1.40           | 0.19             | 2.21                   | 3.09                 | 0.635             | 17.1   | 17.1                    |         |
| 5                 | LTE 4 | QPSK20M | Top Side      | 0                        | 20300   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.57                          | 1.39           | 0.01             | 2.38                   | 3.31                 | 0.635             | 16.8   | 16.8                    |         |
|                   | LTE 4 | QPSK20M | Top Side      | 0                        | 20300   | 1   | 0         | Ant 0             | 2       | -          | 1.00         | 24.00                    | 22.57                          | 1.39           | -0.06            | 2.28                   | 3.17                 | 0.635             | 17     | 17                      |         |
|                   |       |         |               |                          |         |     |           |                   |         |            |              |                          |                                |                |                  |                        |                      |                   |        |                         | 18.4    |
|                   | LTE 5 | QPSK10M | Rear Face     | 0                        | 20525   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.77                          | 1.33           | 0.19             | 0.434                  | 0.58                 | 0.635             | 24.4   | 24.4                    |         |
|                   | LTE 5 | QPSK10M | Left Side     | 0                        | 20525   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.77                          | 1.33           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | LTE 5 | QPSK10M | Right Side    | 0                        | 20525   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.77                          | 1.33           | 0.07             | 0.062                  | 0.08                 | 0.635             | 32.9   | 32.9                    |         |
| 6                 | LTE 5 | QPSK10M | Top Side      | 0                        | 20525   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.77                          | 1.33           | -0.02            | 1.72                   | 2.29                 | 0.635             | 18.4   | 18.4                    |         |
|                   | LTE 5 | QPSK10M | Bottom Side   | 0                        | 20525   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.77                          | 1.33           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | LTE 5 | QPSK10M | Rear Face     | 0                        | 20525   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.66                          | 1.36           | -0.19            | 0.314                  | 0.43                 | 0.635             | 24.7   | 24.7                    |         |
|                   | LTE 5 | QPSK10M | Left Side     | 0                        | 20525   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.66                          | 1.36           | 0                | <0.001                 | 0.00                 | 0.635             | 49.7   | 49.7                    |         |
|                   | LTE 5 | QPSK10M | Right Side    | 0                        | 20525   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.66                          | 1.36           | 0.04             | 0.053                  | 0.07                 | 0.635             | 32.4   | 32.4                    |         |
|                   | LTE 5 | QPSK10M | Top Side      | 0                        | 20525   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.66                          | 1.36           | 0.17             | 1.36                   | 1.85                 | 0.635             | 18.4   | 18.4                    |         |
|                   | LTE 5 | QPSK10M | Bottom Side   | 0                        | 20525   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.66                          | 1.36           | 0                | <0.001                 | 0.00                 | 0.635             | 49.7   | 49.7                    |         |
|                   | LTE 5 | QPSK10M | Top Side      | 0                        | 20525   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.63                          | 1.37           | 0.01             | 1.29                   | 1.77                 | 0.635             | 18.6   | 18.6                    |         |
|                   | LTE 5 | QPSK10M | Top Side      | 0                        | 20450   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.65                          | 1.36           | 0.06             | 1.61                   | 2.19                 | 0.635             | 18.6   | 18.6                    |         |
|                   | LTE 5 | QPSK10M | Top Side      | 0                        | 20600   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.62                          | 1.37           | -0.19            | 1.64                   | 2.25                 | 0.635             | 18.5   | 18.5                    |         |
|                   | LTE 5 | QPSK10M | Top Side      | 0                        | 20525   | 1   | 0         | Ant 0             | 2       | -          | 1.00         | 24.00                    | 22.77                          | 1.33           | -0.04            | 1.63                   | 2.17                 | 0.635             | 18.7   | 18.7                    |         |
|                   |       |         |               |                          |         |     |           |                   |         |            |              |                          |                                |                |                  |                        |                      |                   |        |                         | 16      |
|                   | LTE 7 | QPSK20M | Rear Face     | 0                        | 21350   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.77                          | 1.33           | 0.02             | 2.06                   | 2.74                 | 0.635             | 17.7   | 17.7                    |         |
|                   | LTE 7 | QPSK20M | Left Side     | 0                        | 21350   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.77                          | 1.33           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | LTE 7 | QPSK20M | Right Side    | 0                        | 21350   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.77                          | 1.33           | 0.04             | 0.315                  | 0.42                 | 0.635             | 25.8   | 25.8                    |         |
|                   | LTE 7 | QPSK20M | Top Side      | 0                        | 21350   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.77                          | 1.33           | -0.18            | 2.61                   | 3.47                 | 0.635             | 16.6   | 16.6                    |         |
|                   | LTE 7 | QPSK20M | Bottom Side   | 0                        | 21350   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.77                          | 1.33           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | LTE 7 | QPSK20M | Rear Face     | 0                        | 21350   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.65                          | 1.36           | 0.07             | 1.3                    | 1.77                 | 0.635             | 18.5   | 18.5                    |         |
|                   | LTE 7 | QPSK20M | Left Side     | 0                        | 21350   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.65                          | 1.36           | 0                | <0.001                 | 0.00                 | 0.635             | 49.7   | 49.7                    |         |
|                   | LTE 7 | QPSK20M | Right Side    | 0                        | 21350   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.65                          | 1.36           | 0.17             | 0.248                  | 0.34                 | 0.635             | 25.7   | 25.7                    |         |
|                   | LTE 7 | QPSK20M | Top Side      | 0                        | 21350   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.65                          | 1.36           | -0.01            | 2.12                   | 2.88                 | 0.635             | 16.4   | 16.4                    |         |
|                   | LTE 7 | QPSK20M | Bottom Side   | 0                        | 21350   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.65                          | 1.36           | 0                | <0.001                 | 0.00                 | 0.635             | 49.7   | 49.7                    |         |
|                   | LTE 7 | QPSK20M | Top Side      | 0                        | 21350   | 100 | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.57                          | 1.39           | -0.13            | 2.03                   | 2.82                 | 0.635             | 16.5   | 16.5                    |         |
| 7                 | LTE 7 | QPSK20M | Top Side      | 0                        | 20850   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.55                          | 1.40           | -0.01            | 2.9                    | 4.06                 | 0.635             | 16     | 16                      |         |
|                   | LTE 7 | QPSK20M | Top Side      | 0                        | 21100   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.47                          | 1.42           | 0.01             | 2.68                   | 3.81                 | 0.635             | 16.2   | 16.2                    |         |
|                   | LTE 7 | QPSK20M | Top Side      | 0                        | 20850   | 1   | 0         | Ant 0             | 2       | -          | 1.00         | 24.00                    | 22.55                          | 1.40           | 0.16             | 2.75                   | 3.85                 | 0.635             | 16.2   | 16.2                    |         |

### Body SAR Test Result

| System & Position |        |         |               |                          |         |     |           | DUT Configuration |         | SAR        |              |                          |                                |                |                  |                        |                      | Note              |        |                         | Minimum |
|-------------------|--------|---------|---------------|--------------------------|---------|-----|-----------|-------------------|---------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|-------------------|--------|-------------------------|---------|
| Plot No.          | Band   | Mode    | Test Position | Separation Distance (mm) | Channel | RB# | RB offset | Ant Status        | Battery | Duty Cycle | Crest Factor | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) | Scaled SAR-1g (W/kg) | SAR Design Target | Plimit | Plimit (with Dutycycle) |         |
| 8                 | LTE 12 | QPSK10M | Rear Face     | 0                        | 23060   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.99                          | 1.26           | 0.08             | 0.264                  | 0.33                 | 0.635             | 26.8   | 26.8                    | 20.4    |
|                   | LTE 12 | QPSK10M | Left Side     | 0                        | 23060   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.99                          | 1.26           | 0                | <0.001                 | 0.00                 | 0.635             | 51     | 51                      |         |
|                   | LTE 12 | QPSK10M | Right Side    | 0                        | 23060   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.99                          | 1.26           | 0.02             | 0.049                  | 0.06                 | 0.635             | 34.1   | 34.1                    |         |
|                   | LTE 12 | QPSK10M | Top Side      | 0                        | 23060   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.99                          | 1.26           | -0.01            | 1.15                   | 1.45                 | 0.635             | 20.4   | 20.4                    |         |
|                   | LTE 12 | QPSK10M | Bottom Side   | 0                        | 23060   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.99                          | 1.26           | 0                | <0.001                 | 0.00                 | 0.635             | 51     | 51                      |         |
|                   | LTE 12 | QPSK10M | Rear Face     | 0                        | 23060   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.97                          | 1.27           | -0.09            | 0.206                  | 0.26                 | 0.635             | 26.9   | 26.9                    |         |
|                   | LTE 12 | QPSK10M | Left Side     | 0                        | 23060   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.97                          | 1.27           | 0                | <0.001                 | 0.00                 | 0.635             | 50     | 50                      |         |
|                   | LTE 12 | QPSK10M | Right Side    | 0                        | 23060   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.97                          | 1.27           | 0.15             | 0.023                  | 0.03                 | 0.635             | 36.4   | 36.4                    |         |
|                   | LTE 12 | QPSK10M | Top Side      | 0                        | 23060   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.97                          | 1.27           | -0.04            | 0.853                  | 1.08                 | 0.635             | 20.7   | 20.7                    |         |
|                   | LTE 12 | QPSK10M | Bottom Side   | 0                        | 23060   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.97                          | 1.27           | 0                | <0.001                 | 0.00                 | 0.635             | 50     | 50                      |         |
|                   | LTE 12 | QPSK10M | Top Side      | 0                        | 23060   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.88                          | 1.29           | -0.09            | 0.807                  | 1.04                 | 0.635             | 20.8   | 20.8                    |         |
| 9                 | LTE 12 | QPSK10M | Top Side      | 0                        | 23095   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.86                          | 1.30           | -0.04            | 1.03                   | 1.34                 | 0.635             | 20.8   | 20.8                    | 19.8    |
|                   | LTE 12 | QPSK10M | Top Side      | 0                        | 23130   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.83                          | 1.31           | 0                | 1.02                   | 1.34                 | 0.635             | 20.8   | 20.8                    |         |
|                   | LTE 12 | QPSK10M | Top Side      | 0                        | 23060   | 1   | 0         | Ant 0             | 2       | -          | 1.00         | 24.00                    | 22.99                          | 1.26           | -0.02            | 1.05                   | 1.32                 | 0.635             | 20.8   | 20.8                    |         |
|                   | LTE 13 | QPSK10M | Rear Face     | 0                        | 23230   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 23.05                          | 1.24           | 0.13             | 0.504                  | 0.62                 | 0.635             | 24.1   | 24.1                    |         |
|                   | LTE 13 | QPSK10M | Left Side     | 0                        | 23230   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 23.05                          | 1.24           | 0                | <0.001                 | 0.00                 | 0.635             | 51.1   | 51.1                    |         |
|                   | LTE 13 | QPSK10M | Right Side    | 0                        | 23230   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 23.05                          | 1.24           | 0.02             | 0.07                   | 0.09                 | 0.635             | 32.6   | 32.6                    |         |
|                   | LTE 13 | QPSK10M | Top Side      | 0                        | 23230   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 23.05                          | 1.24           | 0.03             | 1.34                   | 1.66                 | 0.635             | 19.8   | 19.8                    |         |
|                   | LTE 13 | QPSK10M | Bottom Side   | 0                        | 23230   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 23.05                          | 1.24           | 0                | <0.001                 | 0.00                 | 0.635             | 51.1   | 51.1                    |         |
|                   | LTE 13 | QPSK10M | Rear Face     | 0                        | 23230   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 22.03                          | 1.25           | 0.03             | 0.348                  | 0.44                 | 0.635             | 24.6   | 24.6                    |         |
|                   | LTE 13 | QPSK10M | Left Side     | 0                        | 23230   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 22.03                          | 1.25           | 0                | <0.001                 | 0.00                 | 0.635             | 50.1   | 50.1                    |         |
|                   | LTE 13 | QPSK10M | Right Side    | 0                        | 23230   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 22.03                          | 1.25           | -0.17            | 0.06                   | 0.08                 | 0.635             | 32.3   | 32.3                    |         |
|                   | LTE 13 | QPSK10M | Top Side      | 0                        | 23230   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 22.03                          | 1.25           | 0.08             | 1.03                   | 1.29                 | 0.635             | 19.9   | 19.9                    |         |
| 10                | LTE 13 | QPSK10M | Bottom Side   | 0                        | 23230   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 22.03                          | 1.25           | 0                | <0.001                 | 0.00                 | 0.635             | 50.1   | 50.1                    | 19.7    |
|                   | LTE 13 | QPSK10M | Top Side      | 0                        | 23230   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.91                          | 1.29           | 0.14             | 0.983                  | 1.27                 | 0.635             | 20     | 20                      |         |
|                   | LTE 13 | QPSK10M | Top Side      | 0                        | 23230   | 1   | 0         | Ant 0             | 2       | -          | 1.00         | 24.00                    | 23.05                          | 1.24           | 0.05             | 1.28                   | 1.59                 | 0.635             | 20     | 20                      |         |
|                   | LTE 14 | QPSK10M | Rear Face     | 0                        | 23330   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.80                          | 1.32           | 0.13             | 0.417                  | 0.55                 | 0.635             | 24.6   | 24.6                    |         |
|                   | LTE 14 | QPSK10M | Left Side     | 0                        | 23330   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.80                          | 1.32           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | LTE 14 | QPSK10M | Right Side    | 0                        | 23330   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.80                          | 1.32           | 0.08             | 0.033                  | 0.04                 | 0.635             | 35.6   | 35.6                    |         |
|                   | LTE 14 | QPSK10M | Top Side      | 0                        | 23330   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.80                          | 1.32           | -0.01            | 1.29                   | 1.70                 | 0.635             | 19.7   | 19.7                    |         |
|                   | LTE 14 | QPSK10M | Bottom Side   | 0                        | 23330   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.80                          | 1.32           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | LTE 14 | QPSK10M | Rear Face     | 0                        | 23330   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.93                          | 1.28           | 0.06             | 0.318                  | 0.41                 | 0.635             | 24.9   | 24.9                    |         |
|                   | LTE 14 | QPSK10M | Left Side     | 0                        | 23330   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.93                          | 1.28           | 0                | <0.001                 | 0.00                 | 0.635             | 50     | 50                      |         |
|                   | LTE 14 | QPSK10M | Right Side    | 0                        | 23330   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.93                          | 1.28           | 0.09             | 0.028                  | 0.04                 | 0.635             | 35.5   | 35.5                    |         |
|                   | LTE 14 | QPSK10M | Top Side      | 0                        | 23330   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.93                          | 1.28           | 0.18             | 0.98                   | 1.25                 | 0.635             | 20     | 20                      |         |
|                   | LTE 14 | QPSK10M | Bottom Side   | 0                        | 23330   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.93                          | 1.28           | 0                | <0.001                 | 0.00                 | 0.635             | 50     | 50                      |         |
|                   | LTE 14 | QPSK10M | Top Side      | 0                        | 23330   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.70                          | 1.35           | 0.16             | 0.968                  | 1.31                 | 0.635             | 19.9   | 19.9                    |         |
|                   | LTE 14 | QPSK10M | Top Side      | 0                        | 23330   | 1   | 0         | Ant 0             | 2       | -          | 1.00         | 24.00                    | 22.80                          | 1.32           | -0.18            | 1.25                   | 1.65                 | 0.635             | 19.9   | 19.9                    |         |

### Body SAR Test Result

| System & Position |        |         |               |                          |         |     |           | DUT Configuration |         | SAR        |              |                          |                                |                |                  |                        |                      | Note              |        |                         | Minimum |
|-------------------|--------|---------|---------------|--------------------------|---------|-----|-----------|-------------------|---------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|-------------------|--------|-------------------------|---------|
| Plot No.          | Band   | Mode    | Test Position | Separation Distance (mm) | Channel | RB# | RB offset | Ant Status        | Battery | Duty Cycle | Crest Factor | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) | Scaled SAR-1g (W/kg) | SAR Design Target | Plimit | Plimit (with Dutycycle) |         |
| 11                | LTE 17 | QPSK10M | Rear Face     | 0                        | 23790   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.77                          | 1.33           | -0.06            | 0.316                  | 0.42                 | 0.635             | 25.8   | 25.8                    | 20.4    |
|                   | LTE 17 | QPSK10M | Left Side     | 0                        | 23790   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.77                          | 1.33           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | LTE 17 | QPSK10M | Right Side    | 0                        | 23790   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.77                          | 1.33           | -0.13            | 0.051                  | 0.07                 | 0.635             | 33.7   | 33.7                    |         |
|                   | LTE 17 | QPSK10M | Top Side      | 0                        | 23790   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.77                          | 1.33           | -0.02            | 1.09                   | 1.45                 | 0.635             | 20.4   | 20.4                    |         |
|                   | LTE 17 | QPSK10M | Bottom Side   | 0                        | 23790   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.77                          | 1.33           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | LTE 17 | QPSK10M | Rear Face     | 0                        | 23790   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.75                          | 1.33           | -0.15            | 0.25                   | 0.33                 | 0.635             | 25.8   | 25.8                    |         |
|                   | LTE 17 | QPSK10M | Left Side     | 0                        | 23790   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.75                          | 1.33           | 0                | <0.001                 | 0.00                 | 0.635             | 49.8   | 49.8                    |         |
|                   | LTE 17 | QPSK10M | Right Side    | 0                        | 23790   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.75                          | 1.33           | 0.07             | 0.04                   | 0.05                 | 0.635             | 33.8   | 33.8                    |         |
|                   | LTE 17 | QPSK10M | Top Side      | 0                        | 23790   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.75                          | 1.33           | 0.11             | 0.817                  | 1.09                 | 0.635             | 20.7   | 20.7                    |         |
|                   | LTE 17 | QPSK10M | Bottom Side   | 0                        | 23790   | 25  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.75                          | 1.33           | 0                | <0.001                 | 0.00                 | 0.635             | 49.8   | 49.8                    |         |
|                   | LTE 17 | QPSK10M | Top Side      | 0                        | 23790   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.54                          | 1.40           | -0.03            | 0.764                  | 1.07                 | 0.635             | 20.7   | 20.7                    |         |
| 12                | LTE 17 | QPSK10M | Top Side      | 0                        | 23780   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.65                          | 1.36           | -0.01            | 1.03                   | 1.40                 | 0.635             | 20.5   | 20.5                    | 16.6    |
|                   | LTE 17 | QPSK10M | Top Side      | 0                        | 23800   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.68                          | 1.36           | -0.15            | 0.998                  | 1.36                 | 0.635             | 20.7   | 20.7                    |         |
|                   | LTE 17 | QPSK10M | Top Side      | 0                        | 23790   | 1   | 0         | Ant 0             | 2       | -          | 1.00         | 24.00                    | 22.77                          | 1.33           | -0.17            | 1.01                   | 1.34                 | 0.635             | 20.8   | 20.8                    |         |
|                   | LTE 25 | QPSK20M | Rear Face     | 0                        | 26140   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.71                          | 1.35           | 0.16             | 1.11                   | 1.50                 | 0.635             | 20.3   | 20.3                    |         |
|                   | LTE 25 | QPSK20M | Left Side     | 0                        | 26140   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.71                          | 1.35           | 0                | <0.001                 | 0.00                 | 0.635             | 50.7   | 50.7                    |         |
|                   | LTE 25 | QPSK20M | Right Side    | 0                        | 26140   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.71                          | 1.35           | 0.1              | 0.331                  | 0.45                 | 0.635             | 25.5   | 25.5                    |         |
|                   | LTE 25 | QPSK20M | Top Side      | 0                        | 26140   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.71                          | 1.35           | -0.02            | 2.57                   | 3.47                 | 0.635             | 16.6   | 16.6                    |         |
|                   | LTE 25 | QPSK20M | Bottom Side   | 0                        | 26140   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.71                          | 1.35           | 0                | <0.001                 | 0.00                 | 0.635             | 50.7   | 50.7                    |         |
|                   | LTE 25 | QPSK20M | Rear Face     | 0                        | 26140   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.93                          | 1.28           | 0.05             | 0.897                  | 1.15                 | 0.635             | 20.4   | 20.4                    |         |
|                   | LTE 25 | QPSK20M | Left Side     | 0                        | 26140   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.93                          | 1.28           | 0                | <0.001                 | 0.00                 | 0.635             | 50     | 50                      |         |
|                   | LTE 25 | QPSK20M | Right Side    | 0                        | 26140   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.93                          | 1.28           | -0.17            | 0.279                  | 0.36                 | 0.635             | 25.5   | 25.5                    |         |
|                   | LTE 25 | QPSK20M | Top Side      | 0                        | 26140   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.93                          | 1.28           | -0.17            | 2.11                   | 2.70                 | 0.635             | 16.7   | 16.7                    |         |
| 13                | LTE 25 | QPSK20M | Bottom Side   | 0                        | 26140   | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.93                          | 1.28           | 0                | <0.001                 | 0.00                 | 0.635             | 50     | 50                      | 18.4    |
|                   | LTE 25 | QPSK20M | Top Side      | 0                        | 26140   | 100 | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.75                          | 1.33           | 0.06             | 1.95                   | 2.59                 | 0.635             | 16.9   | 16.9                    |         |
|                   | LTE 25 | QPSK20M | Top Side      | 0                        | 26365   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.59                          | 1.38           | 0.18             | 2.46                   | 3.39                 | 0.635             | 16.7   | 16.7                    |         |
|                   | LTE 25 | QPSK20M | Top Side      | 0                        | 26590   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.57                          | 1.39           | -0.18            | 2.39                   | 3.32                 | 0.635             | 16.8   | 16.8                    |         |
|                   | LTE 25 | QPSK20M | Top Side      | 0                        | 26140   | 1   | 0         | Ant 0             | 2       | -          | 1.00         | 24.00                    | 22.71                          | 1.35           | -0.11            | 2.46                   | 3.32                 | 0.635             | 16.8   | 16.8                    |         |
|                   | LTE 26 | QPSK15M | Rear Face     | 0                        | 26965   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.83                          | 1.31           | -0.04            | 0.572                  | 0.75                 | 0.635             | 23.3   | 23.3                    |         |
|                   | LTE 26 | QPSK15M | Left Side     | 0                        | 26965   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.83                          | 1.31           | 0                | <0.001                 | 0.00                 | 0.635             | 50.9   | 50.9                    |         |
|                   | LTE 26 | QPSK15M | Right Side    | 0                        | 26965   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.83                          | 1.31           | 0.19             | 0.107                  | 0.14                 | 0.635             | 30.6   | 30.6                    |         |
|                   | LTE 26 | QPSK15M | Top Side      | 0                        | 26965   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.83                          | 1.31           | -0.07            | 1.76                   | 2.31                 | 0.635             | 18.4   | 18.4                    |         |
|                   | LTE 26 | QPSK15M | Bottom Side   | 0                        | 26965   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.83                          | 1.31           | 0                | <0.001                 | 0.00                 | 0.635             | 50.9   | 50.9                    |         |
|                   | LTE 26 | QPSK15M | Rear Face     | 0                        | 26965   | 36  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 22.07                          | 1.24           | -0.11            | 0.498                  | 0.62                 | 0.635             | 23.1   | 23.1                    |         |
|                   | LTE 26 | QPSK15M | Left Side     | 0                        | 26965   | 36  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 22.07                          | 1.24           | 0                | <0.001                 | 0.00                 | 0.635             | 50.1   | 50.1                    |         |
| 14                | LTE 26 | QPSK15M | Right Side    | 0                        | 26965   | 36  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 22.07                          | 1.24           | 0.04             | 0.051                  | 0.06                 | 0.635             | 33     | 33                      | 18.4    |
|                   | LTE 26 | QPSK15M | Top Side      | 0                        | 26965   | 36  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 22.07                          | 1.24           | 0.06             | 1.38                   | 1.71                 | 0.635             | 18.7   | 18.7                    |         |
|                   | LTE 26 | QPSK15M | Bottom Side   | 0                        | 26965   | 36  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 22.07                          | 1.24           | 0                | <0.001                 | 0.00                 | 0.635             | 50.1   | 50.1                    |         |
|                   | LTE 26 | QPSK15M | Top Side      | 0                        | 26965   | 75  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 22.04                          | 1.25           | -0.03            | 1.29                   | 1.61                 | 0.635             | 19     | 19                      |         |
|                   | LTE 26 | QPSK15M | Top Side      | 0                        | 26765   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.71                          | 1.35           | -0.05            | 1.46                   | 1.97                 | 0.635             | 19.1   | 19.1                    |         |
|                   | LTE 26 | QPSK15M | Top Side      | 0                        | 26865   | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.81                          | 1.32           | -0.14            | 1.64                   | 2.16                 | 0.635             | 18.7   | 18.7                    |         |
|                   | LTE 26 | QPSK15M | Top Side      | 0                        | 26965   | 1   | 0         | Ant 0             | 2       | -          | 1.00         | 24.00                    | 22.83                          | 1.31           | 0.02             | 1.53                   | 2.00                 | 0.635             | 19     | 19                      |         |
|                   | LTE 26 | QPSK15M | Top Side      | 0                        | 26965   | 1   | 0         | Ant 0             | 2       | -          | 1.00         | 24.00                    | 22.83                          | 1.31           | 0.02             | 1.53                   | 2.00                 | 0.635             | 19     | 19                      |         |

### Body SAR Test Result

| System & Position |             |         |               |                          |         |     |           | DUT Configuration |         | SAR        |              |                          |                                |                |                  |                        |                      | Note              |        |                         | Minimum |
|-------------------|-------------|---------|---------------|--------------------------|---------|-----|-----------|-------------------|---------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|-------------------|--------|-------------------------|---------|
| Plot No.          | Band        | Mode    | Test Position | Separation Distance (mm) | Channel | RB# | RB offset | Ant Status        | Battery | Duty Cycle | Crest Factor | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) | Scaled SAR-1g (W/kg) | SAR Design Target | Plimit | Plimit (with Dutycycle) |         |
| 14                | LTE 38      | QPSK20M | Rear Face     | 0                        | 37850   | 1   | 0         | Ant 0             | 1       | 60.24      | 1.66         | 24.00                    | 22.65                          | 1.36           | 0.04             | 0.595                  | 1.34                 | 0.635             | 20.7   | 20.7                    | 19.6    |
|                   | LTE 38      | QPSK20M | Left Side     | 0                        | 37850   | 1   | 0         | Ant 0             | 1       | 60.24      | 1.66         | 24.00                    | 22.65                          | 1.36           | 0                | <0.001                 | 0.00                 | 0.635             | 48.5   | 48.5                    |         |
|                   | LTE 38      | QPSK20M | Right Side    | 0                        | 37850   | 1   | 0         | Ant 0             | 1       | 60.24      | 1.66         | 24.00                    | 22.65                          | 1.36           | -0.06            | 0.072                  | 0.16                 | 0.635             | 29.9   | 29.9                    |         |
|                   | LTE 38      | QPSK20M | Top Side      | 0                        | 37850   | 1   | 0         | Ant 0             | 1       | 60.24      | 1.66         | 24.00                    | 22.65                          | 1.36           | 0.02             | 0.777                  | 1.75                 | 0.635             | 19.6   | 19.6                    |         |
|                   | LTE 38      | QPSK20M | Bottom Side   | 0                        | 37850   | 1   | 0         | Ant 0             | 1       | 60.24      | 1.66         | 24.00                    | 22.65                          | 1.36           | 0                | <0.001                 | 0.00                 | 0.635             | 48.5   | 48.5                    |         |
|                   | LTE 38      | QPSK20M | Rear Face     | 0                        | 37850   | 50  | 0         | Ant 0             | 1       | 60.24      | 1.66         | 23.00                    | 21.78                          | 1.32           | -0.15            | 0.539                  | 1.18                 | 0.635             | 20.3   | 20.3                    |         |
|                   | LTE 38      | QPSK20M | Left Side     | 0                        | 37850   | 50  | 0         | Ant 0             | 1       | 60.24      | 1.66         | 23.00                    | 21.78                          | 1.32           | 0                | <0.001                 | 0.00                 | 0.635             | 47.6   | 47.6                    |         |
|                   | LTE 38      | QPSK20M | Right Side    | 0                        | 37850   | 50  | 0         | Ant 0             | 1       | 60.24      | 1.66         | 23.00                    | 21.78                          | 1.32           | -0.02            | 0.053                  | 0.12                 | 0.635             | 30.4   | 30.4                    |         |
|                   | LTE 38      | QPSK20M | Top Side      | 0                        | 37850   | 50  | 0         | Ant 0             | 1       | 60.24      | 1.66         | 23.00                    | 21.78                          | 1.32           | 0.02             | 0.611                  | 1.34                 | 0.635             | 19.7   | 19.7                    |         |
|                   | LTE 38      | QPSK20M | Bottom Side   | 0                        | 37850   | 50  | 0         | Ant 0             | 1       | 60.24      | 1.66         | 23.00                    | 21.78                          | 1.32           | 0                | <0.001                 | 0.00                 | 0.635             | 47.6   | 47.6                    |         |
|                   | LTE 38      | QPSK20M | Top Side      | 0                        | 37850   | 100 | 0         | Ant 0             | 1       | 60.24      | 1.66         | 23.00                    | 21.75                          | 1.33           | 0.11             | 0.556                  | 1.23                 | 0.635             | 20.1   | 20.1                    |         |
|                   | LTE 38      | QPSK20M | Top Side      | 0                        | 38000   | 1   | 0         | Ant 0             | 1       | 60.24      | 1.66         | 24.00                    | 22.61                          | 1.38           | 0.13             | 0.732                  | 1.68                 | 0.635             | 19.8   | 19.8                    |         |
|                   | LTE 38      | QPSK20M | Top Side      | 0                        | 38150   | 1   | 0         | Ant 0             | 1       | 60.24      | 1.66         | 24.00                    | 22.54                          | 1.40           | -0.12            | 0.694                  | 1.61                 | 0.635             | 20     | 20                      |         |
|                   | LTE 38      | QPSK20M | Top Side      | 0                        | 37850   | 1   | 0         | Ant 0             | 2       | 60.24      | 1.66         | 24.00                    | 22.65                          | 1.36           | 0.01             | 0.71                   | 1.60                 | 0.635             | 20     | 20                      |         |
| 15                | LTE 41_HPUE | QPSK20M | Rear Face     | 0                        | 41490   | 1   | 0         | Ant 0             | 1       | 40.60      | 2.46         | 26.50                    | 25.52                          | 1.25           | -0.15            | 0.717                  | 2.20                 | 0.635             | 21.1   | 21.1                    | 15.7    |
|                   | LTE 41_HPUE | QPSK20M | Left Side     | 0                        | 41490   | 1   | 0         | Ant 0             | 1       | 40.60      | 2.46         | 26.50                    | 25.52                          | 1.25           | 0                | <0.001                 | 0.00                 | 0.635             | 49.6   | 49.6                    |         |
|                   | LTE 41_HPUE | QPSK20M | Right Side    | 0                        | 41490   | 1   | 0         | Ant 0             | 1       | 40.60      | 2.46         | 26.50                    | 25.52                          | 1.25           | -0.01            | 0.098                  | 0.30                 | 0.635             | 29.7   | 29.7                    |         |
|                   | LTE 41_HPUE | QPSK20M | Top Side      | 0                        | 41490   | 1   | 0         | Ant 0             | 1       | 40.60      | 2.46         | 26.50                    | 25.52                          | 1.25           | 0.09             | 1.67                   | 5.14                 | 0.635             | 17.4   | 17.4                    |         |
|                   | LTE 41_HPUE | QPSK20M | Bottom Side   | 0                        | 41490   | 1   | 0         | Ant 0             | 1       | 40.60      | 2.46         | 26.50                    | 25.52                          | 1.25           | 0                | <0.001                 | 0.00                 | 0.635             | 49.6   | 49.6                    |         |
|                   | LTE 41_HPUE | QPSK20M | Rear Face     | 0                        | 41490   | 50  | 0         | Ant 0             | 1       | 40.60      | 2.46         | 25.50                    | 24.54                          | 1.25           | -0.07            | 0.59                   | 1.81                 | 0.635             | 20.9   | 20.9                    |         |
|                   | LTE 41_HPUE | QPSK20M | Left Side     | 0                        | 41490   | 50  | 0         | Ant 0             | 1       | 40.60      | 2.46         | 25.50                    | 24.54                          | 1.25           | 0                | <0.001                 | 0.00                 | 0.635             | 48.7   | 48.7                    |         |
|                   | LTE 41_HPUE | QPSK20M | Right Side    | 0                        | 41490   | 50  | 0         | Ant 0             | 1       | 40.60      | 2.46         | 25.50                    | 24.54                          | 1.25           | 0.05             | 0.061                  | 0.19                 | 0.635             | 30.8   | 30.8                    |         |
|                   | LTE 41_HPUE | QPSK20M | Top Side      | 0                        | 41490   | 50  | 0         | Ant 0             | 1       | 40.60      | 2.46         | 25.50                    | 24.54                          | 1.25           | 0.14             | 1.43                   | 4.40                 | 0.635             | 17.1   | 17.1                    |         |
|                   | LTE 41_HPUE | QPSK20M | Bottom Side   | 0                        | 41490   | 50  | 0         | Ant 0             | 1       | 40.60      | 2.46         | 25.50                    | 24.54                          | 1.25           | 0                | <0.001                 | 0.00                 | 0.635             | 48.7   | 48.7                    |         |
|                   | LTE 41_HPUE | QPSK20M | Top Side      | 0                        | 41490   | 100 | 0         | Ant 0             | 1       | 40.60      | 2.46         | 25.50                    | 24.52                          | 1.25           | -0.05            | 1.23                   | 3.78                 | 0.635             | 17.7   | 17.7                    |         |
|                   | LTE 41_HPUE | QPSK20M | Top Side      | 0                        | 39750   | 1   | 0         | Ant 0             | 1       | 40.60      | 2.46         | 26.50                    | 24.85                          | 1.46           | 0.01             | 2.12                   | 7.61                 | 0.635             | 15.7   | 15.7                    |         |
|                   | LTE 41_HPUE | QPSK20M | Top Side      | 0                        | 40185   | 1   | 0         | Ant 0             | 1       | 40.60      | 2.46         | 26.50                    | 25.01                          | 1.41           | -0.17            | 1.7                    | 5.90                 | 0.635             | 16.8   | 16.8                    |         |
|                   | LTE 41_HPUE | QPSK20M | Top Side      | 0                        | 40620   | 1   | 0         | Ant 0             | 1       | 40.60      | 2.46         | 26.50                    | 25.34                          | 1.31           | -0.16            | 1.37                   | 4.41                 | 0.635             | 18.1   | 18.1                    |         |
|                   | LTE 41_HPUE | QPSK20M | Top Side      | 0                        | 41055   | 1   | 0         | Ant 0             | 1       | 40.60      | 2.46         | 26.50                    | 25.22                          | 1.34           | -0.09            | 1.35                   | 4.45                 | 0.635             | 18     | 18                      |         |
|                   | LTE 41_HPUE | QPSK20M | Top Side      | 0                        | 39750   | 1   | 0         | Ant 0             | 2       | 40.60      | 2.46         | 26.50                    | 24.85                          | 1.46           | 0.03             | 2.01                   | 7.22                 | 0.635             | 15.9   | 15.9                    |         |

### Body SAR Test Result

| System & Position |        |         |               |                          |         |     |           | DUT Configuration |         | SAR        |              |                          |                                |                |                  |                        |                      | Note              |        |                         |         |
|-------------------|--------|---------|---------------|--------------------------|---------|-----|-----------|-------------------|---------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|-------------------|--------|-------------------------|---------|
| Plot No.          | Band   | Mode    | Test Position | Separation Distance (mm) | Channel | RB# | RB offset | Ant Status        | Battery | Duty Cycle | Crest Factor | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) | Scaled SAR-1g (W/kg) | SAR Design Target | Plimit | Plimit (with Dutycycle) | Minimum |
|                   | LTE 42 | QPSK20M | Rear Face     | 0                        | 43490   | 1   | 0         | Ant 3             | 1       | 60.56      | 1.65         | 22.50                    | 21.83                          | 1.17           | 0.03             | 0.561                  | 1.08                 | 0.635             | 20.2   | 20.2                    | 14.2    |
|                   | LTE 42 | QPSK20M | Left Side     | 0                        | 43490   | 1   | 0         | Ant 3             | 1       | 60.56      | 1.65         | 22.50                    | 21.83                          | 1.17           | 0.04             | 1.11                   | 2.14                 | 0.635             | 17.2   | 17.2                    |         |
|                   | LTE 42 | QPSK20M | Right Side    | 0                        | 43490   | 1   | 0         | Ant 3             | 1       | 60.56      | 1.65         | 22.50                    | 21.83                          | 1.17           | 0                | <0.001                 | 0.00                 | 0.635             | 47.7   | 47.7                    |         |
|                   | LTE 42 | QPSK20M | Top Side      | 0                        | 43490   | 1   | 0         | Ant 3             | 1       | 60.56      | 1.65         | 22.50                    | 21.83                          | 1.17           | 0                | <0.001                 | 0.00                 | 0.635             | 47.7   | 47.7                    |         |
|                   | LTE 42 | QPSK20M | Bottom Side   | 0                        | 43490   | 1   | 0         | Ant 3             | 1       | 60.56      | 1.65         | 22.50                    | 21.83                          | 1.17           | 0                | <0.001                 | 0.00                 | 0.635             | 47.7   | 47.7                    |         |
|                   | LTE 42 | QPSK20M | Rear Face     | 0                        | 43490   | 50  | 0         | Ant 3             | 1       | 60.56      | 1.65         | 21.50                    | 20.92                          | 1.14           | 0.17             | 0.258                  | 0.49                 | 0.635             | 22.7   | 22.7                    |         |
|                   | LTE 42 | QPSK20M | Left Side     | 0                        | 43490   | 50  | 0         | Ant 3             | 1       | 60.56      | 1.65         | 21.50                    | 20.92                          | 1.14           | 0.18             | 0.93                   | 1.75                 | 0.635             | 17.1   | 17.1                    |         |
|                   | LTE 42 | QPSK20M | Right Side    | 0                        | 43490   | 50  | 0         | Ant 3             | 1       | 60.56      | 1.65         | 21.50                    | 20.92                          | 1.14           | 0                | <0.001                 | 0.00                 | 0.635             | 46.8   | 46.8                    |         |
|                   | LTE 42 | QPSK20M | Top Side      | 0                        | 43490   | 50  | 0         | Ant 3             | 1       | 60.56      | 1.65         | 21.50                    | 20.92                          | 1.14           | 0                | <0.001                 | 0.00                 | 0.635             | 46.8   | 46.8                    |         |
|                   | LTE 42 | QPSK20M | Bottom Side   | 0                        | 43490   | 50  | 0         | Ant 3             | 1       | 60.56      | 1.65         | 21.50                    | 20.92                          | 1.14           | 0                | <0.001                 | 0.00                 | 0.635             | 46.8   | 46.8                    |         |
|                   | LTE 42 | QPSK20M | Left Side     | 0                        | 43490   | 100 | 0         | Ant 3             | 1       | 60.56      | 1.65         | 21.50                    | 20.88                          | 1.15           | -0.13            | 0.863                  | 1.64                 | 0.635             | 17.4   | 17.4                    |         |
| 16                | LTE 42 | QPSK20M | Left Side     | 0                        | 42190   | 1   | 0         | Ant 3             | 1       | 60.56      | 1.65         | 22.50                    | 21.62                          | 1.22           | -0.01            | 2.12                   | 4.27                 | 0.635             | 14.2   | 14.2                    |         |
|                   | LTE 42 | QPSK20M | Left Side     | 0                        | 43190   | 1   | 0         | Ant 3             | 1       | 60.56      | 1.65         | 22.50                    | 21.76                          | 1.19           | 0                | 1.2                    | 2.36                 | 0.635             | 16.8   | 16.8                    |         |
|                   | LTE 42 | QPSK20M | Left Side     | 0                        | 43340   | 1   | 0         | Ant 3             | 1       | 60.56      | 1.65         | 22.50                    | 21.72                          | 1.20           | -0.12            | 1.14                   | 2.26                 | 0.635             | 17     | 17                      |         |
|                   | LTE 42 | QPSK20M | Left Side     | 0                        | 42190   | 1   | 0         | Ant 3             | 2       | 60.56      | 1.65         | 22.50                    | 21.62                          | 1.22           | 0.19             | 2.01                   | 4.05                 | 0.635             | 14.4   | 14.4                    |         |
|                   | LTE 43 | QPSK20M | Rear Face     | 0                        | 43690   | 1   | 0         | Ant 3             | 1       | 60.67      | 1.65         | 22.50                    | 21.84                          | 1.16           | -0.08            | 0.4                    | 0.77                 | 0.635             | 21.7   | 21.7                    | 13.6    |
|                   | LTE 43 | QPSK20M | Left Side     | 0                        | 43690   | 1   | 0         | Ant 3             | 1       | 60.67      | 1.65         | 22.50                    | 21.84                          | 1.16           | -0.01            | 1.33                   | 2.55                 | 0.635             | 16.5   | 16.5                    |         |
|                   | LTE 43 | QPSK20M | Right Side    | 0                        | 43690   | 1   | 0         | Ant 3             | 1       | 60.67      | 1.65         | 22.50                    | 21.84                          | 1.16           | 0                | <0.001                 | 0.00                 | 0.635             | 47.7   | 47.7                    |         |
|                   | LTE 43 | QPSK20M | Top Side      | 0                        | 43690   | 1   | 0         | Ant 3             | 1       | 60.67      | 1.65         | 22.50                    | 21.84                          | 1.16           | 0.11             | 0.062                  | 0.12                 | 0.635             | 29.8   | 29.8                    |         |
|                   | LTE 43 | QPSK20M | Bottom Side   | 0                        | 43690   | 1   | 0         | Ant 3             | 1       | 60.67      | 1.65         | 22.50                    | 21.84                          | 1.16           | 0                | <0.001                 | 0.00                 | 0.635             | 47.7   | 47.7                    |         |
|                   | LTE 43 | QPSK20M | Rear Face     | 0                        | 43690   | 50  | 0         | Ant 3             | 1       | 60.67      | 1.65         | 21.50                    | 20.92                          | 1.14           | 0.08             | 0.321                  | 0.60                 | 0.635             | 21.7   | 21.7                    |         |
|                   | LTE 43 | QPSK20M | Left Side     | 0                        | 43690   | 50  | 0         | Ant 3             | 1       | 60.67      | 1.65         | 21.50                    | 20.92                          | 1.14           | -0.14            | 1.12                   | 2.11                 | 0.635             | 16.3   | 16.3                    |         |
|                   | LTE 43 | QPSK20M | Right Side    | 0                        | 43690   | 50  | 0         | Ant 3             | 1       | 60.67      | 1.65         | 21.50                    | 20.92                          | 1.14           | 0                | <0.001                 | 0.00                 | 0.635             | 46.8   | 46.8                    |         |
|                   | LTE 43 | QPSK20M | Top Side      | 0                        | 43690   | 50  | 0         | Ant 3             | 1       | 60.67      | 1.65         | 21.50                    | 20.92                          | 1.14           | 0.1              | 0.05                   | 0.09                 | 0.635             | 29.8   | 29.8                    |         |
|                   | LTE 43 | QPSK20M | Bottom Side   | 0                        | 43690   | 50  | 0         | Ant 3             | 1       | 60.67      | 1.65         | 21.50                    | 20.92                          | 1.14           | 0                | <0.001                 | 0.00                 | 0.635             | 46.8   | 46.8                    |         |
|                   | LTE 43 | QPSK20M | Left Side     | 0                        | 43690   | 100 | 0         | Ant 3             | 1       | 60.67      | 1.65         | 21.50                    | 20.87                          | 1.16           | -0.16            | 1.02                   | 1.95                 | 0.635             | 16.6   | 16.6                    |         |
|                   | LTE 43 | QPSK20M | Left Side     | 0                        | 44090   | 1   | 0         | Ant 3             | 1       | 60.67      | 1.65         | 22.50                    | 21.68                          | 1.21           | 0.03             | 1.66                   | 3.31                 | 0.635             | 15.3   | 15.3                    |         |
|                   | LTE 43 | QPSK20M | Left Side     | 0                        | 44490   | 1   | 0         | Ant 3             | 1       | 60.67      | 1.65         | 22.50                    | 21.60                          | 1.23           | 0.18             | 2.25                   | 4.57                 | 0.635             | 13.9   | 13.9                    |         |
| 17                | LTE 43 | QPSK20M | Left Side     | 0                        | 44990   | 1   | 0         | Ant 3             | 1       | 60.67      | 1.65         | 22.50                    | 21.57                          | 1.24           | 0.04             | 2.4                    | 4.91                 | 0.635             | 13.6   | 13.6                    |         |
|                   | LTE 43 | QPSK20M | Left Side     | 0                        | 45490   | 1   | 0         | Ant 3             | 1       | 60.67      | 1.65         | 22.50                    | 21.53                          | 1.25           | 0.14             | 1.9                    | 3.92                 | 0.635             | 14.6   | 14.6                    |         |
|                   | LTE 43 | QPSK20M | Left Side     | 0                        | 44990   | 1   | 0         | Ant 3             | 2       | 60.67      | 1.65         | 22.50                    | 21.57                          | 1.24           | -0.19            | 2.26                   | 4.62                 | 0.635             | 13.9   | 13.9                    |         |
|                   | LTE 48 | QPSK20M | Rear Face     | 0                        | 56210   | 1   | 0         | Ant 3             | 1       | 58.76      | 1.70         | 22.50                    | 21.26                          | 1.33           | 0.17             | 0.475                  | 1.07                 | 0.635             | 20.2   | 20.2                    | 13.1    |
|                   | LTE 48 | QPSK20M | Left Side     | 0                        | 56210   | 1   | 0         | Ant 3             | 1       | 58.76      | 1.70         | 22.50                    | 21.26                          | 1.33           | 0.12             | 1.67                   | 3.78                 | 0.635             | 14.8   | 14.8                    |         |
|                   | LTE 48 | QPSK20M | Right Side    | 0                        | 56210   | 1   | 0         | Ant 3             | 1       | 58.76      | 1.70         | 22.50                    | 21.26                          | 1.33           | 0                | <0.001                 | 0.00                 | 0.635             | 47     | 47                      |         |
|                   | LTE 48 | QPSK20M | Top Side      | 0                        | 56210   | 1   | 0         | Ant 3             | 1       | 58.76      | 1.70         | 22.50                    | 21.26                          | 1.33           | 0                | <0.001                 | 0.00                 | 0.635             | 47     | 47                      |         |
|                   | LTE 48 | QPSK20M | Bottom Side   | 0                        | 56210   | 1   | 0         | Ant 3             | 1       | 58.76      | 1.70         | 22.50                    | 21.26                          | 1.33           | 0.14             | 0.056                  | 0.13                 | 0.635             | 29.5   | 29.5                    |         |
|                   | LTE 48 | QPSK20M | Rear Face     | 0                        | 56210   | 50  | 0         | Ant 3             | 1       | 58.76      | 1.70         | 21.50                    | 20.44                          | 1.28           | 0.17             | 0.413                  | 0.90                 | 0.635             | 20     | 20                      |         |
|                   | LTE 48 | QPSK20M | Left Side     | 0                        | 56210   | 50  | 0         | Ant 3             | 1       | 58.76      | 1.70         | 21.50                    | 20.44                          | 1.28           | 0.08             | 1.42                   | 3.09                 | 0.635             | 14.6   | 14.6                    |         |
|                   | LTE 48 | QPSK20M | Right Side    | 0                        | 56210   | 50  | 0         | Ant 3             | 1       | 58.76      | 1.70         | 21.50                    | 20.44                          | 1.28           | 0                | <0.001                 | 0.00                 | 0.635             | 46.2   | 46.2                    |         |
|                   | LTE 48 | QPSK20M | Top Side      | 0                        | 56210   | 50  | 0         | Ant 3             | 1       | 58.76      | 1.70         | 21.50                    | 20.44                          | 1.28           | 0                | <0.001                 | 0.00                 | 0.635             | 46.2   | 46.2                    |         |
|                   | LTE 48 | QPSK20M | Bottom Side   | 0                        | 56210   | 50  | 0         | Ant 3             | 1       | 58.76      | 1.70         | 21.50                    | 20.44                          | 1.28           | -0.16            | 0.038                  | 0.08                 | 0.635             | 30.4   | 30.4                    |         |
|                   | LTE 48 | QPSK20M | Left Side     | 0                        | 56210   | 100 | 0         | Ant 3             | 1       | 58.76      | 1.70         | 21.50                    | 20.35                          | 1.30           | 0.12             | 1.23                   | 2.72                 | 0.635             | 15.2   | 15.2                    |         |
|                   | LTE 48 | QPSK20M | Left Side     | 0                        | 55340   | 1   | 0         | Ant 3             | 1       | 58.76      | 1.70         | 22.50                    | 21.15                          | 1.36           | 0.1              | 1.42                   | 3.28                 | 0.635             | 15.4   | 15.4                    |         |
|                   | LTE 48 | QPSK20M | Left Side     | 0                        | 55780   | 1   | 0         | Ant 3             | 1       | 58.76      | 1.70         | 22.50                    | 21.21                          | 1.35           | 0.07             | 1.37                   | 3.14                 | 0.635             | 15.6   | 15.6                    |         |
| 18                | LTE 48 | QPSK20M | Left Side     | 0                        | 56640   | 1   | 0         | Ant 3             | 1       | 58.76      | 1.70         | 22.50                    | 21.09                          | 1.38           | -0.01            | 2.34                   | 5.49                 | 0.635             | 13.1   | 13.1                    |         |
|                   | LTE 48 | QPSK20M | Left Side     | 0                        | 56640   | 1   | 0         | Ant 3             | 2       | 58.76      | 1.70         | 22.50                    | 21.09                          | 1.38           | 0.02             | 2.12                   | 4.97                 | 0.635             | 13.5   | 13.5                    |         |

### Body SAR Test Result

| System & Position |         |         |               |                          |         |     |           | DUT Configuration |         | SAR        |              |                          |                                |                |                  |                        |                      | Note              |        |                         |         |
|-------------------|---------|---------|---------------|--------------------------|---------|-----|-----------|-------------------|---------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|-------------------|--------|-------------------------|---------|
| Plot No.          | Band    | Mode    | Test Position | Separation Distance (mm) | Channel | RB# | RB offset | Ant Status        | Battery | Duty Cycle | Crest Factor | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) | Scaled SAR-1g (W/kg) | SAR Design Target | Plimit | Plimit (with Dutycycle) | Minimum |
|                   | LTE 66  | QPSK20M | Rear Face     | 0                        | 132572  | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.75                          | 1.33           | -0.15            | 1.63                   | 2.17                 | 0.635             | 18.7   | 18.7                    | 16.2    |
|                   | LTE 66  | QPSK20M | Left Side     | 0                        | 132572  | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.75                          | 1.33           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | LTE 66  | QPSK20M | Right Side    | 0                        | 132572  | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.75                          | 1.33           | 0.03             | 0.335                  | 0.45                 | 0.635             | 25.5   | 25.5                    |         |
| 19                | LTE 66  | QPSK20M | Top Side      | 0                        | 132572  | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.75                          | 1.33           | 0.01             | 2.88                   | 3.83                 | 0.635             | 16.2   | 16.2                    |         |
|                   | LTE 66  | QPSK20M | Bottom Side   | 0                        | 132572  | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.75                          | 1.33           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | LTE 66  | QPSK20M | Rear Face     | 0                        | 132572  | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.98                          | 1.26           | -0.04            | 1.21                   | 1.52                 | 0.635             | 19.2   | 19.2                    |         |
|                   | LTE 66  | QPSK20M | Left Side     | 0                        | 132572  | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.98                          | 1.26           | 0                | <0.001                 | 0.00                 | 0.635             | 50     | 50                      |         |
|                   | LTE 66  | QPSK20M | Right Side    | 0                        | 132572  | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.98                          | 1.26           | -0.12            | 0.282                  | 0.36                 | 0.635             | 25.5   | 25.5                    |         |
|                   | LTE 66  | QPSK20M | Top Side      | 0                        | 132572  | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.98                          | 1.26           | 0.09             | 2.33                   | 2.94                 | 0.635             | 16.3   | 16.3                    |         |
|                   | LTE 66  | QPSK20M | Bottom Side   | 0                        | 132572  | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.98                          | 1.26           | 0                | <0.001                 | 0.00                 | 0.635             | 50     | 50                      |         |
|                   | LTE 66  | QPSK20M | Top Side      | 0                        | 132572  | 100 | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.95                          | 1.27           | 0.04             | 2.21                   | 2.81                 | 0.635             | 16.5   | 16.5                    |         |
|                   | LTE 66  | QPSK20M | Top Side      | 0                        | 132072  | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.65                          | 1.36           | 0.07             | 2.16                   | 2.94                 | 0.635             | 17.3   | 17.3                    |         |
|                   | LTE 66  | QPSK20M | Top Side      | 0                        | 132322  | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.45                          | 1.43           | -0.17            | 2.48                   | 3.55                 | 0.635             | 16.5   | 16.5                    |         |
|                   | LTE 66  | QPSK20M | Top Side      | 0                        | 132572  | 1   | 0         | Ant 0             | 2       | -          | 1.00         | 24.00                    | 22.75                          | 1.33           | 0.02             | 2.69                   | 3.58                 | 0.635             | 16.5   | 16.5                    |         |
|                   | LTE 71  | QPSK20M | Rear Face     | 0                        | 133372  | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 23.29                          | 1.18           | -0.03            | 0.387                  | 0.46                 | 0.635             | 25.4   | 25.4                    | 20.8    |
|                   | LTE 71  | QPSK20M | Left Side     | 0                        | 133372  | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 23.29                          | 1.18           | 0                | <0.001                 | 0.00                 | 0.635             | 51.3   | 51.3                    |         |
|                   | LTE 71  | QPSK20M | Right Side    | 0                        | 133372  | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 23.29                          | 1.18           | 0.18             | 0.05                   | 0.06                 | 0.635             | 34.3   | 34.3                    |         |
| 20                | LTE 71  | QPSK20M | Top Side      | 0                        | 133372  | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 23.29                          | 1.18           | 0.01             | 1.12                   | 1.32                 | 0.635             | 20.8   | 20.8                    |         |
|                   | LTE 71  | QPSK20M | Bottom Side   | 0                        | 133372  | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 23.29                          | 1.18           | 0                | <0.001                 | 0.00                 | 0.635             | 51.3   | 51.3                    |         |
|                   | LTE 71  | QPSK20M | Rear Face     | 0                        | 133372  | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 22.08                          | 1.24           | 0.02             | 0.241                  | 0.30                 | 0.635             | 26.3   | 26.3                    |         |
|                   | LTE 71  | QPSK20M | Left Side     | 0                        | 133372  | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 22.08                          | 1.24           | 0                | <0.001                 | 0.00                 | 0.635             | 50.1   | 50.1                    |         |
|                   | LTE 71  | QPSK20M | Right Side    | 0                        | 133372  | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 22.08                          | 1.24           | 0.05             | 0.039                  | 0.05                 | 0.635             | 34.2   | 34.2                    |         |
|                   | LTE 71  | QPSK20M | Top Side      | 0                        | 133372  | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 22.08                          | 1.24           | 0.01             | 0.836                  | 1.04                 | 0.635             | 20.9   | 20.9                    |         |
|                   | LTE 71  | QPSK20M | Bottom Side   | 0                        | 133372  | 50  | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 22.08                          | 1.24           | 0                | <0.001                 | 0.00                 | 0.635             | 50.1   | 50.1                    |         |
|                   | LTE 71  | QPSK20M | Top Side      | 0                        | 133372  | 100 | 0         | Ant 0             | 1       | -          | 1.00         | 23.00                    | 21.98                          | 1.26           | -0.08            | 0.814                  | 1.03                 | 0.635             | 20.9   | 20.9                    |         |
|                   | LTE 71  | QPSK20M | Top Side      | 0                        | 133222  | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 23.03                          | 1.25           | -0.19            | 1.01                   | 1.26                 | 0.635             | 21     | 21                      |         |
|                   | LTE 71  | QPSK20M | Top Side      | 0                        | 133297  | 1   | 0         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.99                          | 1.26           | 0.07             | 1.03                   | 1.30                 | 0.635             | 20.9   | 20.9                    |         |
|                   | LTE 71  | QPSK20M | Top Side      | 0                        | 133372  | 1   | 0         | Ant 0             | 2       | -          | 1.00         | 24.00                    | 23.29                          | 1.18           | -0.16            | 1.02                   | 1.20                 | 0.635             | 21.2   | 21.2                    |         |
|                   | 5GNR-n2 | QPSK20M | Rear Face     | 0                        | 372000  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.23                          | 1.50           | 0.16             | 0.916                  | 1.37                 | 0.635             | 20.6   | 20.6                    | 16.5    |
|                   | 5GNR-n2 | QPSK20M | Left Side     | 0                        | 372000  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.23                          | 1.50           | 0                | <0.001                 | 0.00                 | 0.635             | 50.3   | 50.3                    |         |
|                   | 5GNR-n2 | QPSK20M | Right Side    | 0                        | 372000  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.23                          | 1.50           | -0.15            | 0.286                  | 0.43                 | 0.635             | 25.7   | 25.7                    |         |
| 21                | 5GNR-n2 | QPSK20M | Top Side      | 0                        | 372000  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.23                          | 1.50           | 0.11             | 2.37                   | 3.56                 | 0.635             | 16.5   | 16.5                    |         |
|                   | 5GNR-n2 | QPSK20M | Bottom Side   | 0                        | 372000  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.23                          | 1.50           | -0.1             | 0.04                   | 0.06                 | 0.635             | 34.2   | 34.2                    |         |
|                   | 5GNR-n2 | QPSK20M | Rear Face     | 0                        | 372000  | 50  | 28        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.15                          | 1.53           | 0.18             | 0.785                  | 1.20                 | 0.635             | 21.2   | 21.2                    |         |
|                   | 5GNR-n2 | QPSK20M | Left Side     | 0                        | 372000  | 50  | 28        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.15                          | 1.53           | 0                | <0.001                 | 0.00                 | 0.635             | 50.2   | 50.2                    |         |
|                   | 5GNR-n2 | QPSK20M | Right Side    | 0                        | 372000  | 50  | 28        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.15                          | 1.53           | 0.17             | 0.266                  | 0.41                 | 0.635             | 25.9   | 25.9                    |         |
|                   | 5GNR-n2 | QPSK20M | Top Side      | 0                        | 372000  | 50  | 28        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.15                          | 1.53           | -0.14            | 2.29                   | 3.50                 | 0.635             | 16.6   | 16.6                    |         |
|                   | 5GNR-n2 | QPSK20M | Bottom Side   | 0                        | 372000  | 50  | 28        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.15                          | 1.53           | 0.06             | 0.034                  | 0.05                 | 0.635             | 34.9   | 34.9                    |         |
|                   | 5GNR-n2 | QPSK20M | Top Side      | 0                        | 376000  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.18                          | 1.52           | -0.09            | 2.29                   | 3.48                 | 0.635             | 16.6   | 16.6                    |         |
|                   | 5GNR-n2 | QPSK20M | Top Side      | 0                        | 380000  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.15                          | 1.53           | -0.08            | 2.26                   | 3.46                 | 0.635             | 16.6   | 16.6                    |         |
|                   | 5GNR-n2 | QPSK20M | Top Side      | 0                        | 372000  | 1   | 1         | Ant 0             | 2       | -          | 1.00         | 24.00                    | 22.23                          | 1.50           | 0.14             | 2.22                   | 3.33                 | 0.635             | 16.8   | 16.8                    |         |

### Body SAR Test Result

| System & Position |           |         |               |                          |         |     |           | DUT Configuration |         | SAR        |              |                          |                                |                |                  |                        |                      | Note              |        |                         | Minimum |
|-------------------|-----------|---------|---------------|--------------------------|---------|-----|-----------|-------------------|---------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|-------------------|--------|-------------------------|---------|
| Plot No.          | Band      | Mode    | Test Position | Separation Distance (mm) | Channel | RB# | RB offset | Ant Status        | Battery | Duty Cycle | Crest Factor | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) | Scaled SAR-1g (W/kg) | SAR Design Target | Plimit | Plimit (with Dutycycle) |         |
|                   | 5G NR-n5  | QPSK20M | Rear Face     | 0                        | 167800  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.79                          | 1.48           | -0.02            | 0.572                  | 0.85                 | 0.635             | 23.2   | 23.2                    | 18.5    |
|                   | 5G NR-n5  | QPSK20M | Left Side     | 0                        | 167800  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.79                          | 1.48           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | 5G NR-n5  | QPSK20M | Right Side    | 0                        | 167800  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.79                          | 1.48           | -0.11            | 0.085                  | 0.13                 | 0.635             | 31.5   | 31.5                    |         |
| 22                | 5G NR-n5  | QPSK20M | Top Side      | 0                        | 167800  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.79                          | 1.48           | 0.03             | 1.7                    | 2.52                 | 0.635             | 18.5   | 18.5                    |         |
|                   | 5G NR-n5  | QPSK20M | Bottom Side   | 0                        | 167800  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.79                          | 1.48           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | 5G NR-n5  | QPSK20M | Rear Face     | 0                        | 167800  | 50  | 28        | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.77                          | 1.49           | 0.06             | 0.549                  | 0.82                 | 0.635             | 23.4   | 23.4                    |         |
|                   | 5G NR-n5  | QPSK20M | Left Side     | 0                        | 167800  | 50  | 28        | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.77                          | 1.49           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | 5G NR-n5  | QPSK20M | Right Side    | 0                        | 167800  | 50  | 28        | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.77                          | 1.49           | -0.17            | 0.079                  | 0.12                 | 0.635             | 31.8   | 31.8                    |         |
|                   | 5G NR-n5  | QPSK20M | Top Side      | 0                        | 167800  | 50  | 28        | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.77                          | 1.49           | 0.11             | 1.65                   | 2.46                 | 0.635             | 18.6   | 18.6                    |         |
|                   | 5G NR-n5  | QPSK20M | Bottom Side   | 0                        | 167800  | 50  | 28        | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.77                          | 1.49           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | 5G NR-n5  | QPSK20M | Top Side      | 0                        | 166800  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.71                          | 1.51           | 0.19             | 1.6                    | 2.42                 | 0.635             | 18.7   | 18.7                    |         |
|                   | 5G NR-n5  | QPSK20M | Top Side      | 0                        | 167300  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.78                          | 1.49           | 0.08             | 1.64                   | 2.44                 | 0.635             | 18.7   | 18.7                    |         |
|                   | 5G NR-n5  | QPSK20M | Top Side      | 0                        | 167800  | 1   | 1         | Ant 0             | 2       | -          | 1.00         | 24.50                    | 22.79                          | 1.48           | -0.12            | 1.52                   | 2.25                 | 0.635             | 19     | 19                      |         |
|                   | 5G NR-n7  | QPSK40M | Rear Face     | 0                        | 510000  | 1   | 1         | Ant 0             | 1       | 99.90      | 1.00         | 24.50                    | 22.84                          | 1.47           | -0.15            | 1.95                   | 2.87                 | 0.635             | 18     | 18                      | 16.4    |
|                   | 5G NR-n7  | QPSK40M | Left Side     | 0                        | 510000  | 1   | 1         | Ant 0             | 1       | 99.90      | 1.00         | 24.50                    | 22.84                          | 1.47           | 0                | <0.001                 | 0.00                 | 0.635             | 50.9   | 50.9                    |         |
|                   | 5G NR-n7  | QPSK40M | Right Side    | 0                        | 510000  | 1   | 1         | Ant 0             | 1       | 99.90      | 1.00         | 24.50                    | 22.84                          | 1.47           | 0.06             | 0.262                  | 0.39                 | 0.635             | 26.7   | 26.7                    |         |
|                   | 5G NR-n7  | QPSK40M | Top Side      | 0                        | 510000  | 1   | 1         | Ant 0             | 1       | 99.90      | 1.00         | 24.50                    | 22.84                          | 1.47           | -0.16            | 2.35                   | 3.45                 | 0.635             | 17.2   | 17.2                    |         |
|                   | 5G NR-n7  | QPSK40M | Bottom Side   | 0                        | 510000  | 1   | 1         | Ant 0             | 1       | 99.90      | 1.00         | 24.50                    | 22.84                          | 1.47           | 0                | <0.001                 | 0.00                 | 0.635             | 50.9   | 50.9                    |         |
|                   | 5G NR-n7  | QPSK40M | Rear Face     | 0                        | 510000  | 108 | 54        | Ant 0             | 1       | 99.90      | 1.00         | 24.50                    | 22.78                          | 1.49           | 0.08             | 1.61                   | 2.40                 | 0.635             | 18.7   | 18.7                    |         |
|                   | 5G NR-n7  | QPSK40M | Left Side     | 0                        | 510000  | 108 | 54        | Ant 0             | 1       | 99.90      | 1.00         | 24.50                    | 22.78                          | 1.49           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | 5G NR-n7  | QPSK40M | Right Side    | 0                        | 510000  | 108 | 54        | Ant 0             | 1       | 99.90      | 1.00         | 24.50                    | 22.78                          | 1.49           | 0.04             | 0.236                  | 0.35                 | 0.635             | 27.1   | 27.1                    |         |
|                   | 5G NR-n7  | QPSK40M | Top Side      | 0                        | 510000  | 108 | 54        | Ant 0             | 1       | 99.90      | 1.00         | 24.50                    | 22.78                          | 1.49           | -0.06            | 2.3                    | 3.43                 | 0.635             | 17.2   | 17.2                    |         |
|                   | 5G NR-n7  | QPSK40M | Bottom Side   | 0                        | 510000  | 108 | 54        | Ant 0             | 1       | 99.90      | 1.00         | 24.50                    | 22.78                          | 1.49           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
| 23                | 5G NR-n7  | QPSK40M | Top Side      | 0                        | 504000  | 1   | 1         | Ant 0             | 1       | 99.90      | 1.00         | 24.50                    | 22.77                          | 1.49           | -0.02            | 2.78                   | 4.14                 | 0.635             | 16.4   | 16.4                    |         |
|                   | 5G NR-n7  | QPSK40M | Top Side      | 0                        | 507000  | 1   | 1         | Ant 0             | 1       | 99.90      | 1.00         | 24.50                    | 22.81                          | 1.48           | 0.04             | 2.63                   | 3.89                 | 0.635             | 16.6   | 16.6                    |         |
|                   | 5G NR-n7  | QPSK40M | Top Side      | 0                        | 504000  | 1   | 1         | Ant 0             | 2       | 99.90      | 1.00         | 24.50                    | 22.77                          | 1.49           | -0.15            | 2.61                   | 3.89                 | 0.635             | 16.6   | 16.6                    |         |
|                   | 5G NR-n12 | QPSK15M | Rear Face     | 0                        | 141300  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.88                          | 1.29           | -0.04            | 0.889                  | 1.15                 | 0.635             | 21.4   | 21.4                    | 20.1    |
|                   | 5G NR-n12 | QPSK15M | Left Side     | 0                        | 141300  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.88                          | 1.29           | 0                | <0.001                 | 0.00                 | 0.635             | 50.9   | 50.9                    |         |
|                   | 5G NR-n12 | QPSK15M | Right Side    | 0                        | 141300  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.88                          | 1.29           | 0                | <0.001                 | 0.00                 | 0.635             | 50.9   | 50.9                    |         |
| 24                | 5G NR-n12 | QPSK15M | Top Side      | 0                        | 141300  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.88                          | 1.29           | 0.01             | 1.2                    | 1.55                 | 0.635             | 20.1   | 20.1                    |         |
|                   | 5G NR-n12 | QPSK15M | Bottom Side   | 0                        | 141300  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.88                          | 1.29           | 0                | <0.001                 | 0.00                 | 0.635             | 50.9   | 50.9                    |         |
|                   | 5G NR-n12 | QPSK15M | Rear Face     | 0                        | 141300  | 36  | 22        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.76                          | 1.33           | 0.18             | 0.844                  | 1.12                 | 0.635             | 21.5   | 21.5                    |         |
|                   | 5G NR-n12 | QPSK15M | Left Side     | 0                        | 141300  | 36  | 22        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.76                          | 1.33           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | 5G NR-n12 | QPSK15M | Right Side    | 0                        | 141300  | 36  | 22        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.76                          | 1.33           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | 5G NR-n12 | QPSK15M | Top Side      | 0                        | 141300  | 36  | 22        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.76                          | 1.33           | 0.15             | 1.06                   | 1.41                 | 0.635             | 20.5   | 20.5                    |         |
|                   | 5G NR-n12 | QPSK15M | Bottom Side   | 0                        | 141300  | 36  | 22        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.76                          | 1.33           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | 5G NR-n12 | QPSK15M | Top Side      | 0                        | 141500  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.79                          | 1.32           | 0.19             | 0.858                  | 1.13                 | 0.635             | 21.5   | 21.5                    |         |
|                   | 5G NR-n12 | QPSK15M | Top Side      | 0                        | 141700  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.76                          | 1.33           | -0.04            | 1.06                   | 1.41                 | 0.635             | 20.5   | 20.5                    |         |
|                   | 5G NR-n12 | QPSK15M | Top Side      | 0                        | 141300  | 1   | 1         | Ant 0             | 2       | -          | 1.00         | 24.00                    | 22.88                          | 1.29           | 0.05             | 1.12                   | 1.44                 | 0.635             | 20.4   | 20.4                    |         |

### Body SAR Test Result

| System & Position |           |         |               |                          |         |     |           | DUT Configuration |         | SAR        |              |                          |                                |                |                  |                        |                      | Note              |        |                         | Minimum |
|-------------------|-----------|---------|---------------|--------------------------|---------|-----|-----------|-------------------|---------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|-------------------|--------|-------------------------|---------|
| Plot No.          | Band      | Mode    | Test Position | Separation Distance (mm) | Channel | RB# | RB offset | Ant Status        | Battery | Duty Cycle | Crest Factor | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) | Scaled SAR-1g (W/kg) | SAR Design Target | Plimit | Plimit (with Dutycycle) |         |
| 25                | 5G NR-n13 | QPSK10M | Rear Face     | 0                        | 156400  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.73                          | 1.34           | -0.02            | 0.566                  | 0.76                 | 0.635             | 23.2   | 23.2                    | 19.6    |
|                   | 5G NR-n13 | QPSK10M | Left Side     | 0                        | 156400  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.73                          | 1.34           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | 5G NR-n13 | QPSK10M | Right Side    | 0                        | 156400  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.73                          | 1.34           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | 5G NR-n13 | QPSK10M | Top Side      | 0                        | 156400  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.73                          | 1.34           | 0.01             | 1.31                   | 1.76                 | 0.635             | 19.6   | 19.6                    |         |
|                   | 5G NR-n13 | QPSK10M | Bottom Side   | 0                        | 156400  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.73                          | 1.34           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | 5G NR-n13 | QPSK10M | Rear Face     | 0                        | 156400  | 25  | 14        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.62                          | 1.37           | 0.08             | 0.525                  | 0.72                 | 0.635             | 23.4   | 23.4                    |         |
|                   | 5G NR-n13 | QPSK10M | Left Side     | 0                        | 156400  | 25  | 14        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.62                          | 1.37           | 0                | <0.001                 | 0.00                 | 0.635             | 50.6   | 50.6                    |         |
|                   | 5G NR-n13 | QPSK10M | Right Side    | 0                        | 156400  | 25  | 14        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.62                          | 1.37           | 0                | <0.001                 | 0.00                 | 0.635             | 50.6   | 50.6                    |         |
|                   | 5G NR-n13 | QPSK10M | Top Side      | 0                        | 156400  | 25  | 14        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.62                          | 1.37           | -0.17            | 1.25                   | 1.71                 | 0.635             | 19.7   | 19.7                    |         |
|                   | 5G NR-n13 | QPSK10M | Bottom Side   | 0                        | 156400  | 25  | 14        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.62                          | 1.37           | 0                | <0.001                 | 0.00                 | 0.635             | 50.6   | 50.6                    |         |
|                   | 5G NR-n13 | QPSK10M | Top Side      | 0                        | 156400  | 1   | 1         | Ant 0             | 2       | -          | 1.00         | 24.00                    | 22.73                          | 1.34           | -0.08            | 1.25                   | 1.68                 | 0.635             | 19.8   | 19.8                    |         |
| 26                | 5G NR-n14 | QPSK10M | Rear Face     | 0                        | 158600  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.42                          | 1.44           | 0.17             | 0.377                  | 0.54                 | 0.635             | 24.7   | 24.7                    | 19.5    |
|                   | 5G NR-n14 | QPSK10M | Left Side     | 0                        | 158600  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.42                          | 1.44           | 0                | <0.001                 | 0.00                 | 0.635             | 50.4   | 50.4                    |         |
|                   | 5G NR-n14 | QPSK10M | Right Side    | 0                        | 158600  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.42                          | 1.44           | 0                | <0.001                 | 0.00                 | 0.635             | 50.4   | 50.4                    |         |
|                   | 5G NR-n14 | QPSK10M | Top Side      | 0                        | 158600  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.42                          | 1.44           | 0.02             | 1.25                   | 1.80                 | 0.635             | 19.5   | 19.5                    |         |
|                   | 5G NR-n14 | QPSK10M | Bottom Side   | 0                        | 158600  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.42                          | 1.44           | 0                | <0.001                 | 0.00                 | 0.635             | 50.4   | 50.4                    |         |
|                   | 5G NR-n14 | QPSK10M | Rear Face     | 0                        | 158600  | 25  | 14        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.28                          | 1.49           | 0.1              | 0.35                   | 0.52                 | 0.635             | 24.9   | 24.9                    |         |
|                   | 5G NR-n14 | QPSK10M | Left Side     | 0                        | 158600  | 25  | 14        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.28                          | 1.49           | 0                | <0.001                 | 0.00                 | 0.635             | 50.3   | 50.3                    |         |
|                   | 5G NR-n14 | QPSK10M | Right Side    | 0                        | 158600  | 25  | 14        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.28                          | 1.49           | 0                | <0.001                 | 0.00                 | 0.635             | 50.3   | 50.3                    |         |
|                   | 5G NR-n14 | QPSK10M | Top Side      | 0                        | 158600  | 25  | 14        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.28                          | 1.49           | 0.01             | 1.15                   | 1.71                 | 0.635             | 19.7   | 19.7                    |         |
|                   | 5G NR-n14 | QPSK10M | Bottom Side   | 0                        | 158600  | 25  | 14        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.28                          | 1.49           | 0                | <0.001                 | 0.00                 | 0.635             | 50.3   | 50.3                    |         |
|                   | 5G NR-n14 | QPSK10M | Top Side      | 0                        | 158600  | 1   | 1         | Ant 0             | 2       | -          | 1.00         | 24.00                    | 22.42                          | 1.44           | -0.1             | 1.12                   | 1.61                 | 0.635             | 20     | 20                      |         |
| 27                | 5G NR-n25 | QPSK40M | Rear Face     | 0                        | 374000  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.72                          | 1.51           | -0.17            | 1.11                   | 1.68                 | 0.635             | 20.3   | 20.3                    | 16.5    |
|                   | 5G NR-n25 | QPSK40M | Left Side     | 0                        | 374000  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.72                          | 1.51           | 0                | <0.001                 | 0.00                 | 0.635             | 50.7   | 50.7                    |         |
|                   | 5G NR-n25 | QPSK40M | Right Side    | 0                        | 374000  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.72                          | 1.51           | 0.19             | 0.319                  | 0.48                 | 0.635             | 25.7   | 25.7                    |         |
|                   | 5G NR-n25 | QPSK40M | Top Side      | 0                        | 374000  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.72                          | 1.51           | -0.09            | 2.67                   | 4.03                 | 0.635             | 16.5   | 16.5                    |         |
|                   | 5G NR-n25 | QPSK40M | Bottom Side   | 0                        | 374000  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.72                          | 1.51           | 0                | <0.001                 | 0.00                 | 0.635             | 50.7   | 50.7                    |         |
|                   | 5G NR-n25 | QPSK40M | Rear Face     | 0                        | 374000  | 108 | 54        | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.70                          | 1.51           | -0.02            | 1.06                   | 1.60                 | 0.635             | 20.5   | 20.5                    |         |
|                   | 5G NR-n25 | QPSK40M | Left Side     | 0                        | 374000  | 108 | 54        | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.70                          | 1.51           | 0                | <0.001                 | 0.00                 | 0.635             | 50.7   | 50.7                    |         |
|                   | 5G NR-n25 | QPSK40M | Right Side    | 0                        | 374000  | 108 | 54        | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.70                          | 1.51           | 0.14             | 0.295                  | 0.45                 | 0.635             | 26     | 26                      |         |
|                   | 5G NR-n25 | QPSK40M | Top Side      | 0                        | 374000  | 108 | 54        | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.70                          | 1.51           | 0.09             | 2.53                   | 3.82                 | 0.635             | 16.7   | 16.7                    |         |
|                   | 5G NR-n25 | QPSK40M | Bottom Side   | 0                        | 374000  | 108 | 54        | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.70                          | 1.51           | 0                | <0.001                 | 0.00                 | 0.635             | 50.7   | 50.7                    |         |
|                   | 5G NR-n25 | QPSK40M | Top Side      | 0                        | 376500  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.65                          | 1.53           | -0.08            | 2.6                    | 3.98                 | 0.635             | 16.5   | 16.5                    |         |
|                   | 5G NR-n25 | QPSK40M | Top Side      | 0                        | 379000  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.61                          | 1.55           | 0.06             | 2.56                   | 3.97                 | 0.635             | 16.6   | 16.6                    |         |
|                   | 5G NR-n25 | QPSK40M | Top Side      | 0                        | 374000  | 1   | 1         | Ant 0             | 2       | -          | 1.00         | 24.50                    | 22.72                          | 1.51           | 0.02             | 2.34                   | 3.53                 | 0.635             | 17.1   | 17.1                    |         |

### Body SAR Test Result

| System & Position |           |         |               |                          |         |     |           | DUT Configuration |         | SAR        |              |                          |                                |                |                  |                        |                      | Note              |        |                         | Minimum |
|-------------------|-----------|---------|---------------|--------------------------|---------|-----|-----------|-------------------|---------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|-------------------|--------|-------------------------|---------|
| Plot No.          | Band      | Mode    | Test Position | Separation Distance (mm) | Channel | RB# | RB offset | Ant Status        | Battery | Duty Cycle | Crest Factor | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) | Scaled SAR-1g (W/kg) | SAR Design Target | Plimit | Plimit (with Dutycycle) |         |
| 28                | 5G NR-n26 | QPSK20M | Rear Face     | 0                        | 167800  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.39                          | 1.45           | -0.09            | 0.489                  | 0.71                 | 0.635             | 23.5   | 23.5                    | 18      |
|                   | 5G NR-n26 | QPSK20M | Left Side     | 0                        | 167800  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.39                          | 1.45           | 0                | <0.001                 | 0.00                 | 0.635             | 50.4   | 50.4                    |         |
|                   | 5G NR-n26 | QPSK20M | Right Side    | 0                        | 167800  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.39                          | 1.45           | 0.15             | 0.071                  | 0.10                 | 0.635             | 31.9   | 31.9                    |         |
|                   | 5G NR-n26 | QPSK20M | Top Side      | 0                        | 167800  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.39                          | 1.45           | -0.03            | 1.76                   | 2.55                 | 0.635             | 18     | 18                      |         |
|                   | 5G NR-n26 | QPSK20M | Bottom Side   | 0                        | 167800  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.39                          | 1.45           | 0                | <0.001                 | 0.00                 | 0.635             | 50.4   | 50.4                    |         |
|                   | 5G NR-n26 | QPSK20M | Rear Face     | 0                        | 167800  | 50  | 28        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.24                          | 1.50           | -0.17            | 0.468                  | 0.70                 | 0.635             | 23.6   | 23.6                    |         |
|                   | 5G NR-n26 | QPSK20M | Left Side     | 0                        | 167800  | 50  | 28        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.24                          | 1.50           | 0                | <0.001                 | 0.00                 | 0.635             | 50.3   | 50.3                    |         |
|                   | 5G NR-n26 | QPSK20M | Right Side    | 0                        | 167800  | 50  | 28        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.24                          | 1.50           | -0.01            | 0.051                  | 0.08                 | 0.635             | 33.2   | 33.2                    |         |
|                   | 5G NR-n26 | QPSK20M | Top Side      | 0                        | 167800  | 50  | 28        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.24                          | 1.50           | -0.05            | 1.66                   | 2.49                 | 0.635             | 18.1   | 18.1                    |         |
|                   | 5G NR-n26 | QPSK20M | Bottom Side   | 0                        | 167800  | 50  | 28        | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.24                          | 1.50           | 0                | <0.001                 | 0.00                 | 0.635             | 50.3   | 50.3                    |         |
|                   | 5G NR-n26 | QPSK20M | Top Side      | 0                        | 164800  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.28                          | 1.49           | -0.05            | 1.55                   | 2.31                 | 0.635             | 18.4   | 18.4                    |         |
|                   | 5G NR-n26 | QPSK20M | Top Side      | 0                        | 166300  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.00                    | 22.32                          | 1.47           | 0.09             | 1.66                   | 2.44                 | 0.635             | 18.1   | 18.1                    |         |
|                   | 5G NR-n26 | QPSK20M | Top Side      | 0                        | 167800  | 1   | 1         | Ant 0             | 2       | -          | 1.00         | 24.00                    | 22.39                          | 1.45           | -0.13            | 1.58                   | 2.29                 | 0.635             | 18.4   | 18.4                    |         |
| 29                | 5G NR-n38 | QPSK40M | Rear Face     | 0                        | 519000  | 1   | 1         | Ant 2             | 1       | -          | 1.00         | 23.50                    | 22.05                          | 1.40           | -0.08            | 0.274                  | 0.38                 | 0.635             | 25.7   | 25.7                    | 19.7    |
|                   | 5G NR-n38 | QPSK40M | Left Side     | 0                        | 519000  | 1   | 1         | Ant 2             | 1       | -          | 1.00         | 23.50                    | 22.05                          | 1.40           | 0                | <0.001                 | 0.00                 | 0.635             | 50.1   | 50.1                    |         |
|                   | 5G NR-n38 | QPSK40M | Right Side    | 0                        | 519000  | 1   | 1         | Ant 2             | 1       | -          | 1.00         | 23.50                    | 22.05                          | 1.40           | 0.01             | 1.09                   | 1.53                 | 0.635             | 19.7   | 19.7                    |         |
|                   | 5G NR-n38 | QPSK40M | Top Side      | 0                        | 519000  | 1   | 1         | Ant 2             | 1       | -          | 1.00         | 23.50                    | 22.05                          | 1.40           | 0                | <0.001                 | 0.00                 | 0.635             | 50.1   | 50.1                    |         |
|                   | 5G NR-n38 | QPSK40M | Bottom Side   | 0                        | 519000  | 1   | 1         | Ant 2             | 1       | -          | 1.00         | 23.50                    | 22.05                          | 1.40           | 0                | <0.001                 | 0.00                 | 0.635             | 50.1   | 50.1                    |         |
|                   | 5G NR-n38 | QPSK20M | Rear Face     | 0                        | 519000  | 1   | 1         | Ant 0+2           | 1       | -          | 1.00         | 22.00                    | 20.89                          | 1.29           | -0.1             | 0.197                  | 0.25                 | 0.635             | 26     | 26                      |         |
|                   | 5G NR-n38 | QPSK20M | Left Side     | 0                        | 519000  | 1   | 1         | Ant 0+2           | 1       | -          | 1.00         | 22.00                    | 20.89                          | 1.29           | 0                | <0.001                 | 0.00                 | 0.635             | 48.9   | 48.9                    |         |
|                   | 5G NR-n38 | QPSK20M | Right Side    | 0                        | 519000  | 1   | 1         | Ant 0+2           | 1       | -          | 1.00         | 22.00                    | 20.89                          | 1.29           | 0.15             | 0.448                  | 0.58                 | 0.635             | 22.4   | 22.4                    |         |
|                   | 5G NR-n38 | QPSK20M | Top Side      | 0                        | 519000  | 1   | 1         | Ant 0+2           | 1       | -          | 1.00         | 22.00                    | 20.89                          | 1.29           | -0.06            | 0.248                  | 0.32                 | 0.635             | 25     | 25                      |         |
|                   | 5G NR-n38 | QPSK20M | Bottom Side   | 0                        | 519000  | 1   | 1         | Ant 0+2           | 1       | -          | 1.00         | 22.00                    | 20.89                          | 1.29           | 0                | <0.001                 | 0.00                 | 0.635             | 48.9   | 48.9                    |         |
|                   | 5G NR-n38 | QPSK40M | Rear Face     | 0                        | 519000  | 50  | 28        | Ant 2             | 1       | -          | 1.00         | 23.50                    | 21.93                          | 1.44           | -0.09            | 0.217                  | 0.31                 | 0.635             | 26.6   | 26.6                    |         |
|                   | 5G NR-n38 | QPSK40M | Left Side     | 0                        | 519000  | 50  | 28        | Ant 2             | 1       | -          | 1.00         | 23.50                    | 21.93                          | 1.44           | 0                | <0.001                 | 0.00                 | 0.635             | 50     | 50                      |         |
|                   | 5G NR-n38 | QPSK40M | Right Side    | 0                        | 519000  | 50  | 28        | Ant 2             | 1       | -          | 1.00         | 23.50                    | 21.93                          | 1.44           | -0.16            | 1                      | 1.44                 | 0.635             | 20     | 20                      |         |
|                   | 5G NR-n38 | QPSK40M | Top Side      | 0                        | 519000  | 50  | 28        | Ant 2             | 1       | -          | 1.00         | 23.50                    | 21.93                          | 1.44           | 0                | <0.001                 | 0.00                 | 0.635             | 50     | 50                      |         |
|                   | 5G NR-n38 | QPSK40M | Bottom Side   | 0                        | 519000  | 50  | 28        | Ant 2             | 1       | -          | 1.00         | 23.50                    | 21.93                          | 1.44           | 0                | <0.001                 | 0.00                 | 0.635             | 50     | 50                      |         |
|                   | 5G NR-n38 | QPSK20M | Rear Face     | 0                        | 519000  | 25  | 13        | Ant 0+2           | 1       | -          | 1.00         | 22.00                    | 20.79                          | 1.32           | 0.07             | 0.184                  | 0.24                 | 0.635             | 26.2   | 26.2                    |         |
|                   | 5G NR-n38 | QPSK20M | Left Side     | 0                        | 519000  | 25  | 13        | Ant 0+2           | 1       | -          | 1.00         | 22.00                    | 20.79                          | 1.32           | 0                | <0.001                 | 0.00                 | 0.635             | 48.8   | 48.8                    |         |
|                   | 5G NR-n38 | QPSK20M | Right Side    | 0                        | 519000  | 25  | 13        | Ant 0+2           | 1       | -          | 1.00         | 22.00                    | 20.79                          | 1.32           | 0.07             | 0.411                  | 0.54                 | 0.635             | 22.7   | 22.7                    |         |
|                   | 5G NR-n38 | QPSK20M | Top Side      | 0                        | 519000  | 25  | 13        | Ant 0+2           | 1       | -          | 1.00         | 22.00                    | 20.79                          | 1.32           | 0.17             | 0.236                  | 0.31                 | 0.635             | 25.1   | 25.1                    |         |
|                   | 5G NR-n38 | QPSK20M | Bottom Side   | 0                        | 519000  | 25  | 13        | Ant 0+2           | 1       | -          | 1.00         | 22.00                    | 20.79                          | 1.32           | 0                | <0.001                 | 0.00                 | 0.635             | 48.8   | 48.8                    |         |
|                   | 5G NR-n38 | QPSK40M | Right Side    | 0                        | 518000  | 1   | 1         | Ant 2             | 1       | -          | 1.00         | 23.50                    | 22.02                          | 1.41           | -0.11            | 1.06                   | 1.49                 | 0.635             | 19.8   | 19.8                    |         |
|                   | 5G NR-n38 | QPSK40M | Right Side    | 0                        | 520000  | 1   | 1         | Ant 2             | 1       | -          | 1.00         | 23.50                    | 21.97                          | 1.42           | -0.12            | 1.04                   | 1.48                 | 0.635             | 19.8   | 19.8                    |         |
|                   | 5G NR-n38 | QPSK40M | Right Side    | 0                        | 519000  | 1   | 1         | Ant 2             | 2       | -          | 1.00         | 23.50                    | 22.05                          | 1.40           | 0.08             | 1.01                   | 1.41                 | 0.635             | 20     | 20                      |         |

### Body SAR Test Result

| System & Position |                |             |               |                          |         |     |           | DUT Configuration |         | SAR        |              |                          |                                |                |                  |                        |                      | Note              |        |                         |         |
|-------------------|----------------|-------------|---------------|--------------------------|---------|-----|-----------|-------------------|---------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|-------------------|--------|-------------------------|---------|
| Plot No.          | Band           | Mode        | Test Position | Separation Distance (mm) | Channel | RB# | RB offset | Ant Status        | Battery | Duty Cycle | Crest Factor | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) | Scaled SAR-1g (W/kg) | SAR Design Target | Plimit | Plimit (with Dutycycle) | Minimum |
| 30                | 5G NR-n41_HPUe | QPSK100M    | Rear Face     | 0                        | 518598  | 1   | 1         | Ant 2             | 1       | -          | 1.00         | 27.50                    | 25.98                          | 1.42           | -0.13            | 0.669                  | 0.95                 | 0.635             | 25.8   | 25.8                    | 20.5    |
|                   | 5G NR-n41_HPUe | QPSK100M    | Left Side     | 0                        | 518598  | 1   | 1         | Ant 2             | 1       | -          | 1.00         | 27.50                    | 25.98                          | 1.42           | 0                | <0.001                 | 0.00                 | 0.635             | 54     | 54                      |         |
|                   | 5G NR-n41_HPUe | QPSK100M    | Right Side    | 0                        | 518598  | 1   | 1         | Ant 2             | 1       | -          | 1.00         | 27.50                    | 25.98                          | 1.42           | 0.05             | 2.22                   | 3.15                 | 0.635             | 20.5   | 20.5                    |         |
|                   | 5G NR-n41_HPUe | QPSK100M    | Top Side      | 0                        | 518598  | 1   | 1         | Ant 2             | 1       | -          | 1.00         | 27.50                    | 25.98                          | 1.42           | 0                | <0.001                 | 0.00                 | 0.635             | 54     | 54                      |         |
|                   | 5G NR-n41_HPUe | QPSK100M    | Bottom Side   | 0                        | 518598  | 1   | 1         | Ant 2             | 1       | -          | 1.00         | 27.50                    | 25.98                          | 1.42           | 0                | <0.001                 | 0.00                 | 0.635             | 54     | 54                      |         |
|                   | 5G NR-n41      | QPSK100M    | Rear Face     | 0                        | 518598  | 1   | 1         | Ant 0+2           | 1       | -          | 1.00         | 24.50                    | 24.14                          | 1.09           | 0.11             | 0.467                  | 0.51                 | 0.635             | 25.5   | 25.5                    |         |
|                   | 5G NR-n41      | QPSK100M    | Left Side     | 0                        | 518598  | 1   | 1         | Ant 0+2           | 1       | -          | 1.00         | 24.50                    | 24.14                          | 1.09           | 0                | <0.001                 | 0.00                 | 0.635             | 52.2   | 52.2                    |         |
|                   | 5G NR-n41      | QPSK100M    | Right Side    | 0                        | 518598  | 1   | 1         | Ant 0+2           | 1       | -          | 1.00         | 24.50                    | 24.14                          | 1.09           | -0.11            | 1.14                   | 1.24                 | 0.635             | 21.6   | 21.6                    |         |
|                   | 5G NR-n41      | QPSK100M    | Top Side      | 0                        | 518598  | 1   | 1         | Ant 0+2           | 1       | -          | 1.00         | 24.50                    | 24.14                          | 1.09           | -0.01            | 0.75                   | 0.82                 | 0.635             | 23.4   | 23.4                    |         |
|                   | 5G NR-n41      | QPSK100M    | Bottom Side   | 0                        | 518598  | 1   | 1         | Ant 0+2           | 1       | -          | 1.00         | 24.50                    | 24.14                          | 1.09           | 0                | <0.001                 | 0.00                 | 0.635             | 52.2   | 52.2                    |         |
|                   | 5G NR-n41_HPUe | QPSK100M    | Rear Face     | 0                        | 518598  | 135 | 69        | Ant 2             | 1       | -          | 1.00         | 27.50                    | 25.86                          | 1.46           | -0.02            | 0.61                   | 0.89                 | 0.635             | 26     | 26                      |         |
|                   | 5G NR-n41_HPUe | QPSK100M    | Left Side     | 0                        | 518598  | 135 | 69        | Ant 2             | 1       | -          | 1.00         | 27.50                    | 25.86                          | 1.46           | 0                | <0.001                 | 0.00                 | 0.635             | 53.9   | 53.9                    |         |
|                   | 5G NR-n41_HPUe | QPSK100M    | Right Side    | 0                        | 518598  | 135 | 69        | Ant 2             | 1       | -          | 1.00         | 27.50                    | 25.86                          | 1.46           | -0.19            | 2.06                   | 3.01                 | 0.635             | 20.7   | 20.7                    |         |
|                   | 5G NR-n41_HPUe | QPSK100M    | Top Side      | 0                        | 518598  | 135 | 69        | Ant 2             | 1       | -          | 1.00         | 27.50                    | 25.86                          | 1.46           | 0                | <0.001                 | 0.00                 | 0.635             | 53.9   | 53.9                    |         |
|                   | 5G NR-n41_HPUe | QPSK100M    | Bottom Side   | 0                        | 518598  | 135 | 69        | Ant 2             | 1       | -          | 1.00         | 27.50                    | 25.86                          | 1.46           | 0                | <0.001                 | 0.00                 | 0.635             | 53.9   | 53.9                    |         |
|                   | 5G NR-n41      | QPSK100M    | Rear Face     | 0                        | 518598  | 135 | 69        | Ant 0+2           | 1       | -          | 1.00         | 24.50                    | 23.97                          | 1.13           | -0.03            | 0.316                  | 0.36                 | 0.635             | 27     | 27                      |         |
|                   | 5G NR-n41      | QPSK100M    | Left Side     | 0                        | 518598  | 135 | 69        | Ant 0+2           | 1       | -          | 1.00         | 24.50                    | 23.97                          | 1.13           | 0                | <0.001                 | 0.00                 | 0.635             | 52     | 52                      |         |
|                   | 5G NR-n41      | QPSK100M    | Right Side    | 0                        | 518598  | 135 | 69        | Ant 0+2           | 1       | -          | 1.00         | 24.50                    | 23.97                          | 1.13           | 0.01             | 1                      | 1.13                 | 0.635             | 22     | 22                      |         |
|                   | 5G NR-n41      | QPSK100M    | Top Side      | 0                        | 518598  | 135 | 69        | Ant 0+2           | 1       | -          | 1.00         | 24.50                    | 23.97                          | 1.13           | -0.07            | 0.538                  | 0.61                 | 0.635             | 24.7   | 24.7                    |         |
|                   | 5G NR-n41      | QPSK100M    | Bottom Side   | 0                        | 518598  | 135 | 69        | Ant 0+2           | 1       | -          | 1.00         | 24.50                    | 23.97                          | 1.13           | 0                | <0.001                 | 0.00                 | 0.635             | 52     | 52                      |         |
| 5G NR-n41_HPUe    | QPSK100M       | Right Side  | 0             | 509202                   | 1       | 1   | Ant 2     | 1                 | -       | 1.00       | 27.50        | 25.89                    | 1.45                           | 0.03           | 1.36             | 1.97                   | 0.635                | 22.6              | 22.6   |                         |         |
| 5G NR-n41_HPUe    | QPSK100M       | Right Side  | 0             | 510000                   | 1       | 1   | Ant 2     | 1                 | -       | 1.00       | 27.50        | 25.86                    | 1.46                           | 0.18           | 1.44             | 2.10                   | 0.635                | 22.3              | 22.3   |                         |         |
| 5G NR-n41_HPUe    | QPSK100M       | Right Side  | 0             | 513900                   | 1       | 1   | Ant 2     | 1                 | -       | 1.00       | 27.50        | 25.93                    | 1.44                           | -0.01          | 1.95             | 2.81                   | 0.635                | 21.1              | 21.1   |                         |         |
| 5G NR-n41_HPUe    | QPSK100M       | Right Side  | 0             | 523302                   | 1       | 1   | Ant 2     | 1                 | -       | 1.00       | 27.50        | 25.90                    | 1.45                           | -0.17          | 2.08             | 3.02                   | 0.635                | 20.7              | 20.7   |                         |         |
| 5G NR-n41_HPUe    | QPSK100M       | Right Side  | 0             | 528000                   | 1       | 1   | Ant 2     | 1                 | -       | 1.00       | 27.50        | 25.95                    | 1.43                           | 0              | 1.94             | 2.77                   | 0.635                | 21.1              | 21.1   |                         |         |
| 5G NR-n41_HPUe    | QPSK100M       | Right Side  | 0             | 518598                   | 1       | 1   | Ant 2     | 2                 | -       | 1.00       | 27.50        | 25.98                    | 1.42                           | 0.06           | 1.98             | 2.81                   | 0.635                | 21                | 21     |                         |         |
|                   |                |             |               |                          |         |     |           |                   |         |            |              |                          |                                |                |                  |                        |                      |                   |        |                         |         |
| 5G NR-n48         | QPSK40M        | Rear Face   | 0             | 638000                   | 1       | 1   | Ant 3     | 1                 | 21.36   | 4.68       | 22.50        | 21.45                    | 1.27                           | 0.07           | 0.176            | 1.05                   | 0.635                | 20.3              | 20.3   | 13.1                    |         |
| 5G NR-n48         | QPSK40M        | Left Side   | 0             | 638000                   | 1       | 1   | Ant 3     | 1                 | 21.36   | 4.68       | 22.50        | 21.45                    | 1.27                           | -0.08          | 0.587            | 3.49                   | 0.635                | 15.1              | 15.1   |                         |         |
| 5G NR-n48         | QPSK40M        | Right Side  | 0             | 638000                   | 1       | 1   | Ant 3     | 1                 | 21.36   | 4.68       | 22.50        | 21.45                    | 1.27                           | 0              | <0.001           | 0.01                   | 0.635                | 42.8              | 42.8   |                         |         |
| 5G NR-n48         | QPSK40M        | Top Side    | 0             | 638000                   | 1       | 1   | Ant 3     | 1                 | 21.36   | 4.68       | 22.50        | 21.45                    | 1.27                           | 0              | <0.001           | 0.01                   | 0.635                | 42.8              | 42.8   |                         |         |
| 5G NR-n48         | QPSK40M        | Bottom Side | 0             | 638000                   | 1       | 1   | Ant 3     | 1                 | 21.36   | 4.68       | 22.50        | 21.45                    | 1.27                           | 0              | <0.001           | 0.01                   | 0.635                | 42.8              | 42.8   |                         |         |
| 5G NR-n48         | QPSK40M        | Rear Face   | 0             | 638000                   | 1       | 1   | Ant 1+3   | 1                 | 1.00    | 22.50      | 20.79        | 1.48                     | -0.01                          | 0.096          | 0.14             | 0.635                  | 29                   | 29                |        |                         |         |
| 5G NR-n48         | QPSK40M        | Left Side   | 0             | 638000                   | 1       | 1   | Ant 1+3   | 1                 | 1.00    | 22.50      | 20.79        | 1.48                     | -0.13                          | 0.257          | 0.38             | 0.635                  | 24.7                 | 24.7              |        |                         |         |
| 5G NR-n48         | QPSK40M        | Right Side  | 0             | 638000                   | 1       | 1   | Ant 1+3   | 1                 | 1.00    | 22.50      | 20.79        | 1.48                     | 0                              | <0.001         | 0.00             | 0.635                  | 48.8                 | 48.8              |        |                         |         |
| 5G NR-n48         | QPSK40M        | Top Side    | 0             | 638000                   | 1       | 1   | Ant 1+3   | 1                 | 1.00    | 22.50      | 20.79        | 1.48                     | 0                              | <0.001         | 0.00             | 0.635                  | 48.8                 | 48.8              |        |                         |         |
| 5G NR-n48         | QPSK40M        | Bottom Side | 0             | 638000                   | 1       | 1   | Ant 1+3   | 1                 | 1.00    | 22.50      | 20.79        | 1.48                     | 0                              | <0.001         | 0.00             | 0.635                  | 48.8                 | 48.8              |        |                         |         |
| 5G NR-n48         | QPSK40M        | Rear Face   | 0             | 638000                   | 50      | 28  | Ant 3     | 1                 | 21.36   | 4.68       | 22.50        | 21.28                    | 1.32                           | -0.01          | 0.163            | 1.01                   | 0.635                | 20.5              | 20.5   |                         |         |
| 5G NR-n48         | QPSK40M        | Left Side   | 0             | 638000                   | 50      | 28  | Ant 3     | 1                 | 21.36   | 4.68       | 22.50        | 21.28                    | 1.32                           | -0.11          | 0.557            | 3.44                   | 0.635                | 15.1              | 15.1   |                         |         |
| 5G NR-n48         | QPSK40M        | Right Side  | 0             | 638000                   | 50      | 28  | Ant 3     | 1                 | 21.36   | 4.68       | 22.50        | 21.28                    | 1.32                           | 0              | <0.001           | 0.01                   | 0.635                | 42.6              | 42.6   |                         |         |
| 5G NR-n48         | QPSK40M        | Top Side    | 0             | 638000                   | 50      | 28  | Ant 3     | 1                 | 21.36   | 4.68       | 22.50        | 21.28                    | 1.32                           | 0              | <0.001           | 0.01                   | 0.635                | 42.6              | 42.6   |                         |         |
| 5G NR-n48         | QPSK40M        | Bottom Side | 0             | 638000                   | 50      | 28  | Ant 3     | 1                 | 21.36   | 4.68       | 22.50        | 21.28                    | 1.32                           | 0              | <0.001           | 0.01                   | 0.635                | 42.6              | 42.6   |                         |         |
| 5G NR-n48         | QPSK40M        | Rear Face   | 0             | 638000                   | 50      | 28  | Ant 1+3   | 1                 | 1.00    | 22.50      | 20.64        | 1.54                     | -0.02                          | 0.092          | 0.14             | 0.635                  | 29                   | 29                |        |                         |         |
| 5G NR-n48         | QPSK40M        | Left Side   | 0             | 638000                   | 50      | 28  | Ant 1+3   | 1                 | 1.00    | 22.50      | 20.64        | 1.54                     | -0.14                          | 0.242          | 0.37             | 0.635                  | 24.8                 | 24.8              |        |                         |         |
| 5G NR-n48         | QPSK40M        | Right Side  | 0             | 638000                   | 50      | 28  | Ant 1+3   | 1                 | 1.00    | 22.50      | 20.64        | 1.54                     | 0                              | <0.001         | 0.00             | 0.635                  | 48.7                 | 48.7              |        |                         |         |
| 5G NR-n48         | QPSK40M        | Top Side    | 0             | 638000                   | 50      | 28  | Ant 1+3   | 1                 | 1.00    | 22.50      | 20.64        | 1.54                     | 0                              | <0.001         | 0.00             | 0.635                  | 48.7                 | 48.7              |        |                         |         |
| 5G NR-n48         | QPSK40M        | Bottom Side | 0             | 638000                   | 50      | 28  | Ant 1+3   | 1                 | 1.00    | 22.50      | 20.64        | 1.54                     | 0                              | <0.001         | 0.00             | 0.635                  | 48.7                 | 48.7              |        |                         |         |
| 5G NR-n48         | QPSK40M        | Left Side   | 0             | 640444                   | 1       | 1   | Ant 3     | 1                 | 21.36   | 4.68       | 22.50        | 21.29                    | 1.32                           | -0.08          | 0.568            | 3.51                   | 0.635                | 15.1              | 15.1   |                         |         |
| 5G NR-n48         | QPSK40M        | Left Side   | 0             | 642888                   | 1       | 1   | Ant 3     | 1                 | 21.36   | 4.68       | 22.50        | 21.36                    | 1.30                           | -0.19          | 0.659            | 4.01                   | 0.635                | 14.5              | 14.5   |                         |         |
| 31                | 5G NR-n48      | QPSK40M     | Left Side     | 0                        | 645332  | 1   | 1         | Ant 3             | 1       | 21.36      | 4.68         | 22.50                    | 21.18                          | 1.36           | -0.03            | 0.881                  | 5.61                 | 0.635             | 13.1   | 13.1                    |         |
|                   | 5G NR-n48      | QPSK40M     | Left Side     | 0                        | 645332  | 1   | 1         | Ant 3             | 2       | 21.36      | 4.68         | 22.50                    | 21.18                          | 1.36           | 0                | 0.852                  | 5.42                 | 0.635             | 13.2   | 13.2                    |         |

### Body SAR Test Result

| Body SAR Test Result |           |         |               |                          |         |     |           |                   |         |            |              |                          |                                |                |                  |                        |                      |                   |        |                         |         |
|----------------------|-----------|---------|---------------|--------------------------|---------|-----|-----------|-------------------|---------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|-------------------|--------|-------------------------|---------|
| System & Position    |           |         |               |                          |         |     |           | DUT Configuration |         | SAR        |              |                          |                                |                |                  |                        |                      | Note              |        |                         |         |
| Plot No.             | Band      | Mode    | Test Position | Separation Distance (mm) | Channel | RB# | RB offset | Ant Status        | Battery | Duty Cycle | Crest Factor | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) | Scaled SAR-1g (W/kg) | SAR Design Target | Plimit | Plimit (with Dutycycle) | Minimum |
|                      | 5G NR-n66 | QPSK40M | Rear Face     | 0                        | 349000  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.71                          | 1.51           | -0.15            | 1.27                   | 1.92                 | 0.635             | 19.7   | 19.7                    | 17.2    |
|                      | 5G NR-n66 | QPSK40M | Left Side     | 0                        | 349000  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.71                          | 1.51           | 0                | <0.001                 | 0.00                 | 0.635             | 50.7   | 50.7                    |         |
|                      | 5G NR-n66 | QPSK40M | Right Side    | 0                        | 349000  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.71                          | 1.51           | -0.04            | 0.269                  | 0.41                 | 0.635             | 26.4   | 26.4                    |         |
| 32                   | 5G NR-n66 | QPSK40M | Top Side      | 0                        | 349000  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.71                          | 1.51           | -0.04            | 2.27                   | 3.43                 | 0.635             | 17.2   | 17.2                    |         |
|                      | 5G NR-n66 | QPSK40M | Bottom Side   | 0                        | 349000  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.71                          | 1.51           | 0                | <0.001                 | 0.00                 | 0.635             | 50.7   | 50.7                    |         |
|                      | 5G NR-n66 | QPSK40M | Rear Face     | 0                        | 349000  | 108 | 54        | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.67                          | 1.52           | 0.06             | 1.2                    | 1.82                 | 0.635             | 19.9   | 19.9                    |         |
|                      | 5G NR-n66 | QPSK40M | Left Side     | 0                        | 349000  | 108 | 54        | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.67                          | 1.52           | 0                | <0.001                 | 0.00                 | 0.635             | 50.7   | 50.7                    |         |
|                      | 5G NR-n66 | QPSK40M | Right Side    | 0                        | 349000  | 108 | 54        | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.67                          | 1.52           | -0.18            | 0.217                  | 0.33                 | 0.635             | 27.3   | 27.3                    |         |
|                      | 5G NR-n66 | QPSK40M | Top Side      | 0                        | 349000  | 108 | 54        | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.67                          | 1.52           | -0.11            | 2.11                   | 3.21                 | 0.635             | 17.5   | 17.5                    |         |
|                      | 5G NR-n66 | QPSK40M | Bottom Side   | 0                        | 349000  | 108 | 54        | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.67                          | 1.52           | 0                | <0.001                 | 0.00                 | 0.635             | 50.7   | 50.7                    |         |
|                      | 5G NR-n66 | QPSK40M | Top Side      | 0                        | 346000  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.68                          | 1.52           | -0.01            | 1.85                   | 2.81                 | 0.635             | 18     | 18                      |         |
|                      | 5G NR-n66 | QPSK40M | Top Side      | 0                        | 352000  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.66                          | 1.53           | 0.13             | 2.05                   | 3.14                 | 0.635             | 17.6   | 17.6                    |         |
|                      | 5G NR-n66 | QPSK40M | Top Side      | 0                        | 349000  | 1   | 1         | Ant 0             | 2       | -          | 1.00         | 24.50                    | 22.71                          | 1.51           | 0.1              | 2.11                   | 3.19                 | 0.635             | 17.5   | 17.5                    |         |

### Body SAR Test Result

| System & Position |                |          |               |                          |         |     |           | DUT Configuration |         | SAR        |              |                          |                                |                |                  |                        |                      | Note              |        |                         |         |
|-------------------|----------------|----------|---------------|--------------------------|---------|-----|-----------|-------------------|---------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|-------------------|--------|-------------------------|---------|
| Plot No.          | Band           | Mode     | Test Position | Separation Distance (mm) | Channel | RB# | RB offset | Ant Status        | Battery | Duty Cycle | Crest Factor | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) | Scaled SAR-1g (W/kg) | SAR Design Target | Plimit | Plimit (with Dutycycle) | Minimum |
|                   | 5G NR-n71      | QPSK30M  | Rear Face     | 0                        | 135600  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.91                          | 1.44           | -0.16            | 0.548                  | 0.79                 | 0.635             | 23.5   | 23.5                    | 19.8    |
|                   | 5G NR-n71      | QPSK30M  | Left Side     | 0                        | 135600  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.91                          | 1.44           | 0                | <0.001                 | 0.00                 | 0.635             | 50.9   | 50.9                    |         |
|                   | 5G NR-n71      | QPSK30M  | Right Side    | 0                        | 135600  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.91                          | 1.44           | 0.12             | 0.056                  | 0.08                 | 0.635             | 33.5   | 33.5                    |         |
|                   | 5G NR-n71      | QPSK30M  | Top Side      | 0                        | 135600  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.91                          | 1.44           | -0.1             | 1.15                   | 1.66                 | 0.635             | 20.3   | 20.3                    |         |
|                   | 5G NR-n71      | QPSK30M  | Bottom Side   | 0                        | 135600  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.91                          | 1.44           | 0                | <0.001                 | 0.00                 | 0.635             | 50.9   | 50.9                    |         |
|                   | 5G NR-n71      | QPSK30M  | Rear Face     | 0                        | 135600  | 80  | 40        | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.80                          | 1.48           | 0.1              | 0.508                  | 0.75                 | 0.635             | 23.8   | 23.8                    |         |
|                   | 5G NR-n71      | QPSK30M  | Left Side     | 0                        | 135600  | 80  | 40        | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.80                          | 1.48           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | 5G NR-n71      | QPSK30M  | Right Side    | 0                        | 135600  | 80  | 40        | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.80                          | 1.48           | 0.05             | 0.045                  | 0.07                 | 0.635             | 34.3   | 34.3                    |         |
|                   | 5G NR-n71      | QPSK30M  | Top Side      | 0                        | 135600  | 80  | 40        | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.80                          | 1.48           | 0.1              | 1.1                    | 1.63                 | 0.635             | 20.4   | 20.4                    |         |
|                   | 5G NR-n71      | QPSK30M  | Bottom Side   | 0                        | 135600  | 80  | 40        | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.80                          | 1.48           | 0                | <0.001                 | 0.00                 | 0.635             | 50.8   | 50.8                    |         |
|                   | 5G NR-n71      | QPSK30M  | Top Side      | 0                        | 136100  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.87                          | 1.46           | 0.17             | 1.2                    | 1.75                 | 0.635             | 20.1   | 20.1                    |         |
|                   | 5G NR-n71      | QPSK30M  | Top Side      | 0                        | 136600  | 1   | 1         | Ant 0             | 1       | -          | 1.00         | 24.50                    | 22.79                          | 1.48           | -0.01            | 1.27                   | 1.88                 | 0.635             | 19.8   | 19.8                    |         |
|                   | 5G NR-n71      | QPSK30M  | Top Side      | 0                        | 136600  | 1   | 1         | Ant 0             | 2       | -          | 1.00         | 24.50                    | 22.79                          | 1.48           | -0.14            | 1.07                   | 1.58                 | 0.635             | 20.5   | 20.5                    |         |
| 34                | 5G NR-n77 HPUE | QPSK100M | Rear Face     | 0                        | 633334  | 1   | 1         | Ant 3             | 1       | 25.92      | 3.86         | 27.50                    | 25.84                          | 1.47           | 0.01             | 0.467                  | 2.65                 | 0.635             | 21.3   | 21.3                    | 14.5    |
|                   | 5G NR-n77 HPUE | QPSK100M | Left Side     | 0                        | 633334  | 1   | 1         | Ant 3             | 1       | 25.92      | 3.86         | 27.50                    | 25.84                          | 1.47           | 0.03             | 2.26                   | 12.82                | 0.635             | 14.5   | 14.5                    |         |
|                   | 5G NR-n77 HPUE | QPSK100M | Right Side    | 0                        | 633334  | 1   | 1         | Ant 3             | 1       | 25.92      | 3.86         | 27.50                    | 25.84                          | 1.47           | 0                | <0.001                 | 0.01                 | 0.635             | 48     | 48                      |         |
|                   | 5G NR-n77 HPUE | QPSK100M | Top Side      | 0                        | 633334  | 1   | 1         | Ant 3             | 1       | 25.92      | 3.86         | 27.50                    | 25.84                          | 1.47           | -0.02            | 0.151                  | 0.86                 | 0.635             | 26.2   | 26.2                    |         |
|                   | 5G NR-n77 HPUE | QPSK100M | Bottom Side   | 0                        | 633334  | 1   | 1         | Ant 3             | 1       | 25.92      | 3.86         | 27.50                    | 25.84                          | 1.47           | 0.16             | 0.296                  | 1.68                 | 0.635             | 23.3   | 23.3                    |         |
|                   | 5G NR-n77      | QPSK100M | Rear Face     | 0                        | 641666  | 1   | 1         | Ant 1+3           | 1       | -          | 1.00         | 24.50                    | 24.45                          | 1.01           | 0.08             | 0.19                   | 0.19                 | 0.635             | 29.7   | 29.7                    |         |
|                   | 5G NR-n77      | QPSK100M | Left Side     | 0                        | 641666  | 1   | 1         | Ant 1+3           | 1       | -          | 1.00         | 24.50                    | 24.45                          | 1.01           | 0.18             | 0.924                  | 0.93                 | 0.635             | 22.8   | 22.8                    |         |
|                   | 5G NR-n77      | QPSK100M | Right Side    | 0                        | 641666  | 1   | 1         | Ant 1+3           | 1       | -          | 1.00         | 24.50                    | 24.45                          | 1.01           | 0                | <0.001                 | 0.00                 | 0.635             | 52.5   | 52.5                    |         |
|                   | 5G NR-n77      | QPSK100M | Top Side      | 0                        | 641666  | 1   | 1         | Ant 1+3           | 1       | -          | 1.00         | 24.50                    | 24.45                          | 1.01           | 0.05             | 1.63                   | 1.65                 | 0.635             | 20.4   | 20.4                    |         |
|                   | 5G NR-n77      | QPSK100M | Bottom Side   | 0                        | 641666  | 1   | 1         | Ant 1+3           | 1       | -          | 1.00         | 24.50                    | 24.45                          | 1.01           | -0.19            | 0.107                  | 0.11                 | 0.635             | 32.2   | 32.2                    |         |
|                   | 5G NR-n77 HPUE | QPSK100M | Rear Face     | 0                        | 633334  | 135 | 69        | Ant 3             | 1       | 25.92      | 3.86         | 27.50                    | 25.81                          | 1.48           | 0.11             | 0.447                  | 2.55                 | 0.635             | 21.5   | 21.5                    |         |
|                   | 5G NR-n77 HPUE | QPSK100M | Left Side     | 0                        | 633334  | 135 | 69        | Ant 3             | 1       | 25.92      | 3.86         | 27.50                    | 25.81                          | 1.48           | 0.13             | 2.18                   | 12.45                | 0.635             | 14.6   | 14.6                    |         |
|                   | 5G NR-n77 HPUE | QPSK100M | Right Side    | 0                        | 633334  | 135 | 69        | Ant 3             | 1       | 25.92      | 3.86         | 27.50                    | 25.81                          | 1.48           | 0                | <0.001                 | 0.01                 | 0.635             | 48     | 48                      |         |
|                   | 5G NR-n77 HPUE | QPSK100M | Top Side      | 0                        | 633334  | 135 | 69        | Ant 3             | 1       | 25.92      | 3.86         | 27.50                    | 25.81                          | 1.48           | 0.15             | 0.143                  | 0.82                 | 0.635             | 26.4   | 26.4                    |         |
|                   | 5G NR-n77 HPUE | QPSK100M | Bottom Side   | 0                        | 633334  | 135 | 69        | Ant 3             | 1       | 25.92      | 3.86         | 27.50                    | 25.81                          | 1.48           | -0.12            | 0.251                  | 1.43                 | 0.635             | 24     | 24                      |         |
|                   | 5G NR-n77      | QPSK100M | Rear Face     | 0                        | 641666  | 135 | 69        | Ant 1+3           | 1       | -          | 1.00         | 24.50                    | 24.31                          | 1.04           | -0.16            | 0.154                  | 0.16                 | 0.635             | 30.5   | 30.5                    |         |
|                   | 5G NR-n77      | QPSK100M | Left Side     | 0                        | 641666  | 135 | 69        | Ant 1+3           | 1       | -          | 1.00         | 24.50                    | 24.31                          | 1.04           | -0.14            | 0.79                   | 0.82                 | 0.635             | 23.4   | 23.4                    |         |
|                   | 5G NR-n77      | QPSK100M | Right Side    | 0                        | 641666  | 135 | 69        | Ant 1+3           | 1       | -          | 1.00         | 24.50                    | 24.31                          | 1.04           | 0                | <0.001                 | 0.00                 | 0.635             | 52.3   | 52.3                    |         |
|                   | 5G NR-n77      | QPSK100M | Top Side      | 0                        | 641666  | 135 | 69        | Ant 1+3           | 1       | -          | 1.00         | 24.50                    | 24.31                          | 1.04           | -0.08            | 1.46                   | 1.52                 | 0.635             | 20.7   | 20.7                    |         |
|                   | 5G NR-n77      | QPSK100M | Bottom Side   | 0                        | 641666  | 135 | 69        | Ant 1+3           | 1       | -          | 1.00         | 24.50                    | 24.31                          | 1.04           | 0.13             | 0.092                  | 0.10                 | 0.635             | 32.7   | 32.7                    |         |
|                   | 5G NR-n77 HPUE | QPSK100M | Left Side     | 0                        | 640000  | 1   | 1         | Ant 3             | 1       | 25.92      | 3.86         | 27.50                    | 25.70                          | 1.51           | -0.08            | 1.19                   | 6.94                 | 0.635             | 17.1   | 17.1                    |         |
|                   | 5G NR-n77 HPUE | QPSK100M | Left Side     | 0                        | 641666  | 1   | 1         | Ant 3             | 1       | 25.92      | 3.86         | 27.50                    | 25.78                          | 1.49           | 0.14             | 1.24                   | 7.13                 | 0.635             | 17     | 17                      |         |
|                   | 5G NR-n77 HPUE | QPSK100M | Left Side     | 0                        | 643332  | 1   | 1         | Ant 3             | 1       | 25.92      | 3.86         | 27.50                    | 25.75                          | 1.50           | 0.01             | 1.41                   | 8.16                 | 0.635             | 16.4   | 16.4                    |         |
|                   | 5G NR-n77 HPUE | QPSK100M | Left Side     | 0                        | 650000  | 1   | 1         | Ant 3             | 1       | 25.92      | 3.86         | 27.50                    | 25.80                          | 1.48           | 0                | 1.51                   | 8.63                 | 0.635             | 16.2   | 16.2                    |         |
|                   | 5G NR-n77 HPUE | QPSK100M | Left Side     | 0                        | 653000  | 1   | 1         | Ant 3             | 1       | 25.92      | 3.86         | 27.50                    | 25.81                          | 1.48           | -0.06            | 2.17                   | 12.40                | 0.635             | 14.6   | 14.6                    |         |
|                   | 5G NR-n77 HPUE | QPSK100M | Left Side     | 0                        | 656000  | 1   | 1         | Ant 3             | 1       | 25.92      | 3.86         | 27.50                    | 25.78                          | 1.49           | 0.08             | 2.07                   | 11.91                | 0.635             | 14.8   | 14.8                    |         |
|                   | 5G NR-n77 HPUE | QPSK100M | Left Side     | 0                        | 659000  | 1   | 1         | Ant 3             | 1       | 25.92      | 3.86         | 27.50                    | 25.75                          | 1.50           | -0.12            | 1.91                   | 11.06                | 0.635             | 15.1   | 15.1                    |         |
|                   | 5G NR-n77 HPUE | QPSK100M | Left Side     | 0                        | 662000  | 1   | 1         | Ant 3             | 1       | 25.92      | 3.86         | 27.50                    | 25.86                          | 1.46           | -0.07            | 2.01                   | 11.33                | 0.635             | 15     | 15                      |         |
|                   | 5G NR-n77 HPUE | QPSK100M | Left Side     | 0                        | 633334  | 1   | 1         | Ant 3             | 2       | 25.92      | 3.86         | 27.50                    | 25.84                          | 1.47           | -0.03            | 2.17                   | 12.31                | 0.635             | 14.6   | 14.6                    |         |

### Body SAR Test Result

| System & Position |               |          |               |                          |         |     |           | DUT Configuration |         | SAR        |              |                          |                                |                |                  |                        |                      | Note              |        |                         |         |
|-------------------|---------------|----------|---------------|--------------------------|---------|-----|-----------|-------------------|---------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|-------------------|--------|-------------------------|---------|
| Plot No.          | Band          | Mode     | Test Position | Separation Distance (mm) | Channel | RB# | RB offset | Ant Status        | Battery | Duty Cycle | Crest Factor | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) | Scaled SAR-1g (W/kg) | SAR Design Target | Plimit | Plimit (with Dutycycle) | Minimum |
| 35                | 5GNR-n78 HPUE | QPSK100M | Rear Face     | 0                        | 650000  | 1   | 1         | Ant 3             | 1       | 19.84      | 5.04         | 27.50                    | 25.93                          | 1.44           | 0                | 1                      | 7.26                 | 0.635             | 16.9   | 16.9                    | 12.4    |
|                   | 5GNR-n78 HPUE | QPSK100M | Left Side     | 0                        | 650000  | 1   | 1         | Ant 3             | 1       | 19.84      | 5.04         | 27.50                    | 25.93                          | 1.44           | 0.03             | 2.85                   | 20.68                | 0.635             | 12.4   | 12.4                    |         |
|                   | 5GNR-n78 HPUE | QPSK100M | Right Side    | 0                        | 650000  | 1   | 1         | Ant 3             | 1       | 19.84      | 5.04         | 27.50                    | 25.93                          | 1.44           | 0                | <0.001                 | 0.01                 | 0.635             | 46.9   | 46.9                    |         |
|                   | 5GNR-n78 HPUE | QPSK100M | Top Side      | 0                        | 650000  | 1   | 1         | Ant 3             | 1       | 19.84      | 5.04         | 27.50                    | 25.93                          | 1.44           | 0.12             | 0.22                   | 1.60                 | 0.635             | 23.5   | 23.5                    |         |
|                   | 5GNR-n78 HPUE | QPSK100M | Bottom Side   | 0                        | 650000  | 1   | 1         | Ant 3             | 1       | 19.84      | 5.04         | 27.50                    | 25.93                          | 1.44           | 0.13             | 0.069                  | 0.50                 | 0.635             | 28.5   | 28.5                    |         |
|                   | 5GNR-n78      | QPSK100M | Rear Face     | 0                        | 633334  | 1   | 1         | Ant 1+3           | 1       | -          | 1.00         | 24.50                    | 24.48                          | 1.00           | -0.04            | 0.149                  | 0.15                 | 0.635             | 30.8   | 30.8                    |         |
|                   | 5GNR-n78      | QPSK100M | Left Side     | 0                        | 633334  | 1   | 1         | Ant 1+3           | 1       | -          | 1.00         | 24.50                    | 24.48                          | 1.00           | -0.07            | 0.851                  | 0.85                 | 0.635             | 23.2   | 23.2                    |         |
|                   | 5GNR-n78      | QPSK100M | Right Side    | 0                        | 633334  | 1   | 1         | Ant 1+3           | 1       | -          | 1.00         | 24.50                    | 24.48                          | 1.00           | 0                | <0.001                 | 0.00                 | 0.635             | 52.5   | 52.5                    |         |
|                   | 5GNR-n78      | QPSK100M | Top Side      | 0                        | 633334  | 1   | 1         | Ant 1+3           | 1       | -          | 1.00         | 24.50                    | 24.48                          | 1.00           | -0.14            | 1.23                   | 1.23                 | 0.635             | 21.6   | 21.6                    |         |
|                   | 5GNR-n78      | QPSK100M | Bottom Side   | 0                        | 633334  | 1   | 1         | Ant 1+3           | 1       | -          | 1.00         | 24.50                    | 24.48                          | 1.00           | -0.02            | 0.109                  | 0.11                 | 0.635             | 32.1   | 32.1                    |         |
|                   | 5GNR-n78 HPUE | QPSK100M | Rear Face     | 0                        | 650000  | 135 | 69        | Ant 3             | 1       | 19.84      | 5.04         | 27.50                    | 25.87                          | 1.46           | 0.03             | 0.724                  | 5.33                 | 0.635             | 18.3   | 18.3                    |         |
|                   | 5GNR-n78 HPUE | QPSK100M | Left Side     | 0                        | 650000  | 135 | 69        | Ant 3             | 1       | 19.84      | 5.04         | 27.50                    | 25.87                          | 1.46           | 0.09             | 2.58                   | 18.98                | 0.635             | 12.8   | 12.8                    |         |
|                   | 5GNR-n78 HPUE | QPSK100M | Right Side    | 0                        | 650000  | 135 | 69        | Ant 3             | 1       | 19.84      | 5.04         | 27.50                    | 25.87                          | 1.46           | 0                | <0.001                 | 0.01                 | 0.635             | 46.9   | 46.9                    |         |
|                   | 5GNR-n78 HPUE | QPSK100M | Top Side      | 0                        | 650000  | 135 | 69        | Ant 3             | 1       | 19.84      | 5.04         | 27.50                    | 25.87                          | 1.46           | -0.16            | 1.58                   | 11.63                | 0.635             | 14.9   | 14.9                    |         |
|                   | 5GNR-n78 HPUE | QPSK100M | Bottom Side   | 0                        | 650000  | 135 | 69        | Ant 3             | 1       | 19.84      | 5.04         | 27.50                    | 25.87                          | 1.46           | 0.07             | 0.069                  | 0.51                 | 0.635             | 28.5   | 28.5                    |         |
|                   | 5GNR-n78      | QPSK100M | Rear Face     | 0                        | 633334  | 135 | 69        | Ant 1+3           | 1       | -          | 1.00         | 24.50                    | 24.32                          | 1.04           | -0.11            | 0.253                  | 0.26                 | 0.635             | 28.3   | 28.3                    |         |
|                   | 5GNR-n78      | QPSK100M | Left Side     | 0                        | 633334  | 135 | 69        | Ant 1+3           | 1       | -          | 1.00         | 24.50                    | 24.32                          | 1.04           | 0.16             | 0.87                   | 0.90                 | 0.635             | 23     | 23                      |         |
|                   | 5GNR-n78      | QPSK100M | Right Side    | 0                        | 633334  | 135 | 69        | Ant 1+3           | 1       | -          | 1.00         | 24.50                    | 24.32                          | 1.04           | 0                | <0.001                 | 0.00                 | 0.635             | 52.3   | 52.3                    |         |
|                   | 5GNR-n78      | QPSK100M | Top Side      | 0                        | 633334  | 135 | 69        | Ant 1+3           | 1       | -          | 1.00         | 24.50                    | 24.32                          | 1.04           | -0.09            | 1.62                   | 1.68                 | 0.635             | 20.3   | 20.3                    |         |
|                   | 5GNR-n78      | QPSK100M | Bottom Side   | 0                        | 633334  | 135 | 69        | Ant 1+3           | 1       | -          | 1.00         | 24.50                    | 24.32                          | 1.04           | 0.14             | 0.099                  | 0.10                 | 0.635             | 32.4   | 32.4                    |         |
|                   | 5GNR-n78      | QPSK100M | Left Side     | 0                        | 633332  | 1   | 1         | Ant 3             | 1       | 19.84      | 5.04         | 27.50                    | 25.87                          | 1.46           | 0.04             | 2.33                   | 17.15                | 0.635             | 13.2   | 13.2                    |         |
|                   | 5GNR-n78      | QPSK100M | Left Side     | 0                        | 640000  | 1   | 1         | Ant 3             | 2       | 19.84      | 5.04         | 27.50                    | 25.94                          | 1.43           | 0.03             | 1.32                   | 9.51                 | 0.635             | 15.7   | 15.7                    |         |
|                   | 5GNR-n78      | QPSK100M | Left Side     | 0                        | 641666  | 1   | 1         | Ant 3             | 1       | 19.84      | 5.04         | 27.50                    | 25.88                          | 1.45           | -0.13            | 1.2                    | 8.77                 | 0.635             | 16.1   | 16.1                    |         |
|                   | 5GNR-n78      | QPSK100M | Left Side     | 0                        | 643332  | 1   | 1         | Ant 3             | 1       | 19.84      | 5.04         | 27.50                    | 25.82                          | 1.47           | 0.18             | 1.25                   | 9.26                 | 0.635             | 15.9   | 15.9                    |         |
|                   | 5GNR-n78      | QPSK100M | Left Side     | 0                        | 650000  | 1   | 1         | Ant 3             | 2       | 19.84      | 5.04         | 27.50                    | 25.93                          | 1.28           | -0.18            | 2.4                    | 15.48                | 0.635             | 13.1   | 13.1                    |         |

| Exposure Scenario     |         | Body                                                    | Pmax<br>(dBm) |
|-----------------------|---------|---------------------------------------------------------|---------------|
| Averaging Volume      |         | 1g                                                      |               |
| Test Distance (mm)    |         | 0                                                       |               |
| WWAN Bands            | Antenna | Plimit corresponding to 0.635 mW/Kg (SAR_design_target) |               |
| WCDMA II              | 0       | 16.40                                                   | 23.50         |
| WCDMA IV              | 0       | 16.30                                                   | 23.50         |
| WCDMA V               | 0       | 18.10                                                   | 23.50         |
| LTE B2                | 0       | 16.60                                                   | 23.00         |
| LTE B4                | 0       | 16.80                                                   | 23.00         |
| LTE B5                | 0       | 18.40                                                   | 23.00         |
| LTE B7                | 0       | 16.00                                                   | 23.00         |
| LTE B12               | 0       | 20.40                                                   | 23.00         |
| LTE B13               | 0       | 19.80                                                   | 23.00         |
| LTE B14               | 0       | 19.70                                                   | 23.00         |
| LTE B17               | 0       | 20.40                                                   | 23.00         |
| LTE B25               | 0       | 16.60                                                   | 23.00         |
| LTE B26               | 0       | 18.40                                                   | 23.00         |
| LTE B38               | 0       | 19.60                                                   | 23.00         |
| LTE B41_HPUE          | 0       | 15.70                                                   | 25.50         |
| LTE B42 FCC/IC        | 3       | 14.20                                                   | 21.5/22.5     |
| LTE B43 FCC/IC        | 3       | 13.60                                                   | 21.5/22.5     |
| LTE B48 FCC/IC        | 3       | 13.10                                                   | 21.5/22.5     |
| LTE B66               | 0       | 16.20                                                   | 23.00         |
| LTE B71               | 0       | 20.80                                                   | 23.00         |
| 5G NR-n2              | 0       | 16.50                                                   | 23.00         |
| 5G NR-n5              | 0       | 18.50                                                   | 23.50         |
| 5G NR-n7              | 0       | 16.40                                                   | 23.50         |
| 5G NR-n12             | 0       | 20.10                                                   | 23.00         |
| 5G NR-n13             | 0       | 19.60                                                   | 23.00         |
| 5G NR-n14             | 0       | 19.50                                                   | 23.00         |
| 5G NR-n25             | 0       | 16.50                                                   | 23.50         |
| 5G NR-n26             | 0       | 18.00                                                   | 23.00         |
| 5G NR-n38             | 2       | 19.70                                                   | 22.50         |
| 5G NR-n41_HPUE        | 2       | 20.50                                                   | 26.50         |
| 5G NR-n48             | 3       | 13.10                                                   | 23.00         |
| 5G NR-n66             | 0       | 17.20                                                   | 23.50         |
| 5G NR-n71             | 0       | 19.80                                                   | 23.50         |
| 5G NR-n77_HPUE_FCC/IC | 3       | 14.50                                                   | 26.5/26       |
| 5G NR-n78_HPUE_FCC/IC | 3       | 12.40                                                   | 26.5/26       |

**Note:**

1. Pmax is used for RF tune up procedure. The maximum allowed output power is equal to Pmax + 1dB uncertainty.
2. SAR\_design\_target = 0.635 W/kg for 1g
3. When Pmax < Plimit, the DUT will operate at a power level up to Pmax.

## Appendix B. Calibration of Test Equipment List

### Equipment for SAR Test

| Equipment                            | Manufacturer | Model         | SN         | Cal. Date  | Cal. Interval |
|--------------------------------------|--------------|---------------|------------|------------|---------------|
| System Validation Dipole             | SPEAG        | D750V3        | 1013       | 2025/8/14  | 1 Year        |
| System Validation Dipole             | SPEAG        | D835V2        | 4d121      | 2025/8/14  | 1 Year        |
| System Validation Dipole             | SPEAG        | D1750V2       | 1055       | 2025/9/11  | 1 Year        |
| System Validation Dipole             | SPEAG        | D1900V2       | 5d036      | 2025/2/12  | 1 Year        |
| System Validation Dipole             | SPEAG        | D2600V2       | 1020       | 2025/8/14  | 1 Year        |
| System Validation Dipole             | SPEAG        | D3500V2       | 1007       | 2025/1/15  | 1 Year        |
| System Validation Dipole             | SPEAG        | D3700V2       | 1017       | 2025/2/14  | 1 Year        |
| System Validation Dipole             | SPEAG        | D3900V2       | 1020       | 2025/2/14  | 1 Year        |
| Dosimetric E-Field Probe             | SPEAG        | EX3DV4        | 7720       | 2025/3/18  | 1 Year        |
| Data Acquisition Electronics         | SPEAG        | DAE4          | 1761       | 2025/9/11  | 1 Year        |
| Universal Radio Communication Tester | Anritsu      | MT8821C       | 6201381727 | 2025/7/31  | 1 Year        |
| Universal Radio Communication Tester | Anritsu      | MT8000A       | 6262012865 | 2024/12/18 | 1 Year        |
| Thermometer                          | YFE          | YF-160A       | 120702365  | 2025/9/10  | 1 Year        |
| Dielectric Assessment Kit            | SPEAG        | DAKS-3.5      | 1092       | 2025/5/19  | 1 Year        |
| Dielectric Assessment Kit            | SPEAG        | DAKS_VNA R140 | 0010917    | 2025/5/19  | 1 Year        |
| Powersource1                         | SPEAG        | SE_UMS_160 BA | 1052       | 2025/7/8   | 1 Year        |

## **Appendix Z. Calibration Certificate for Probe and Dipole**

The SPEAG calibration certificates are shown as follows.



Accredited by the Swiss Accreditation Service (SAS)  
The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

Client

**B.V. ADT**  
Taoyuan City

Certificate No.

**D750V3-1013\_Aug25**

## CALIBRATION CERTIFICATE

Object **D750V3 - SN: 1013**

Calibration procedure(s) **QA CAL-05.v12**  
**Calibration Procedure for SAR Validation Sources between 0.7 - 3 GHz**

Calibration date **August 14, 2025**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).  
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature  $(22 \pm 3)^\circ\text{C}$  and humidity  $< 70\%$ .

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards           | ID         | Cal Date (Certificate No.)             | Scheduled Cal |
|-----------------------------|------------|----------------------------------------|---------------|
| Power Sensor R&S NRP-33T    | SN: 100967 | 30-Apr-25 (No. 1020-300791789)         | Apr-26        |
| Power Sensor R&S NRP18A     | SN: 101859 | 06-Feb-25 (No. 4030A315009541)         | Feb-26        |
| Spectrum Analyzer R&S FSV40 | SN: 101832 | 29-Jan-25 (No. 4030A315009658)         | Jan-26        |
| 3.5mm mismatch combination  | SN: 1152   | 24-Mar-25 (No. 217-04293)              | Mar-26        |
| OCP DAK-12                  | SN: 1016   | 24-Sept-24 (No. OCP-DAK12-1016_Sep24)  | Sep-25        |
| OCP DAK-3.5                 | SN: 1249   | 23-Sept-24 (No. OCP-DAK3.5-1249_Sep24) | Sep-25        |
| Reference Probe EX3DV4      | SN: 7349   | 10-Jan-25 (No. EX3-7349_Jan25)         | Jan-26        |
| DAE4ip                      | SN: 1836   | 17-Apr-25 (No. DAE4ip-1836_Apr25)      | Apr-26        |

| Secondary Standards          | ID         | Check Date (in house)                      | Scheduled Check |
|------------------------------|------------|--------------------------------------------|-----------------|
| ACAD Setup 1                 | SN: 1000   | 27-May-25 (No. 675-ACAD_Source_Box-250527) | May-26          |
| Signal Generator R&S SMB100A | SN: 182081 | 27-May-25 (No. 675-CAL16-S4588-250527)     | May-26          |
| Mismatch; SMA                | SN: 1102   | 24-Apr-25 (No. 675-Mismatch_SMA-250424)    | Apr-26          |
| OCP DAK-12                   | SN: 1029   | 27-Feb-25 (No. OCP-DAK12-1029_Feb25)       | Feb-26          |
| OCP DAK-3.5                  | SN: 1336   | 09-Dec-24 (No. OCP-DAK3.5-1336_Dec24)      | Dec-25          |

|               | Name       | Function              | Signature                                                                             |
|---------------|------------|-----------------------|---------------------------------------------------------------------------------------|
| Calibrated by | Paulo Pina | Laboratory Technician |  |
| Approved by   | Sven Kühn  | Technical Manager     |  |

Issued: August 14, 2025

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.



Accredited by the Swiss Accreditation Service (SAS)  
**The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates**

Accreditation No.: **SCS 0108**

## Glossary

|       |                                 |
|-------|---------------------------------|
| TSL   | tissue simulating liquid        |
| ConvF | sensitivity in TSL / NORM x,y,z |
| N/A   | not applicable or not measured  |

## Calibration is Performed According to the Following Standards

- IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

## Additional Documentation

- DASY System Handbook

## Methods Applied and Interpretation of Parameters

- *Measurement Conditions*: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL*: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss*: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay*: One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured*: SAR measured at the stated antenna input power.
- *SAR normalized*: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters*: The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor  $k=2$ , which for a normal distribution corresponds to a coverage probability of approximately 95%.

## Measurement Conditions

DASY system configuration, as far as not given on page 1.

|                              |                          |                                     |
|------------------------------|--------------------------|-------------------------------------|
| DASY Version                 | DASY8 Module SAR         | 16.4.0                              |
| Extrapolation                | Advanced Extrapolation   |                                     |
| Phantom                      | Modular Flat Phantom     |                                     |
| Distance Dipole Center - TSL | 15 mm                    | with spacer                         |
| Zoom Scan Resolution         | dx, dy = 6mm, dz = 1.5mm | Graded Ratio = 1.5 mm (Z direction) |
| Frequency                    | 750MHz $\pm$ 1MHz        |                                     |

## HSL parameters at 750 MHz

The following parameters and calculations were applied.

|                                    | Temperature        | Permittivity  | Conductivity         |
|------------------------------------|--------------------|---------------|----------------------|
| Nominal HSL parameters             | 22.0 °C            | 41.9          | 0.890 mho/m          |
| Measured HSL parameters            | (22.0 $\pm$ 0.2)°C | 43.2 $\pm$ 6% | 0.910 mho/m $\pm$ 6% |
| HSL temperature change during test | < 0.5 °C           |               |                      |

## SAR result with HSL at 750 MHz

| SAR averaged over 1 cm <sup>3</sup> (1 g) of HSL | Condition          |                               |
|--------------------------------------------------|--------------------|-------------------------------|
| SAR for nominal HSL parameters                   | 24 dBm input power | 2.19 W/kg                     |
| SAR for nominal HSL parameters                   | normalized to 1W   | 8.72 W/kg $\pm$ 17.0% (k = 2) |

| SAR averaged over 10 cm <sup>3</sup> (10 g) of HSL | Condition          |                               |
|----------------------------------------------------|--------------------|-------------------------------|
| SAR for nominal HSL parameters                     | 24 dBm input power | 1.43 W/kg                     |
| SAR for nominal HSL parameters                     | normalized to 1W   | 5.69 W/kg $\pm$ 16.5% (k = 2) |

**Appendix (Additional assessments outside the scope of SCS 0108)****Antenna Parameters with HSL at 750 MHz**

|             |                                |
|-------------|--------------------------------|
| Impedance   | 51.0 $\Omega$ – 3.7 j $\Omega$ |
| Return Loss | -28.4 dB                       |

**General Antenna Parameters and Design**

|                                  |          |
|----------------------------------|----------|
| Electrical Delay (one direction) | 1.033 ns |
|----------------------------------|----------|

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

**Additional EUT Data**

|                 |       |
|-----------------|-------|
| Manufactured by | SPEAG |
|-----------------|-------|

System Performance Check Report

Summary

|                 |                 |     |             |
|-----------------|-----------------|-----|-------------|
| Dipole          | Frequency [MHz] | TSL | Power [dBm] |
| D750V3 – SN1013 | 750             | HSL | 24          |

Exposure Conditions

|                      |                    |      |            |                                 |                   |                        |                  |
|----------------------|--------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Phantom Section, TSL | Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
| Flat                 | 15                 |      | CW, 0--    | 750, 0                          | 9.55              | 0.91                   | 43.2             |

Hardware Setup

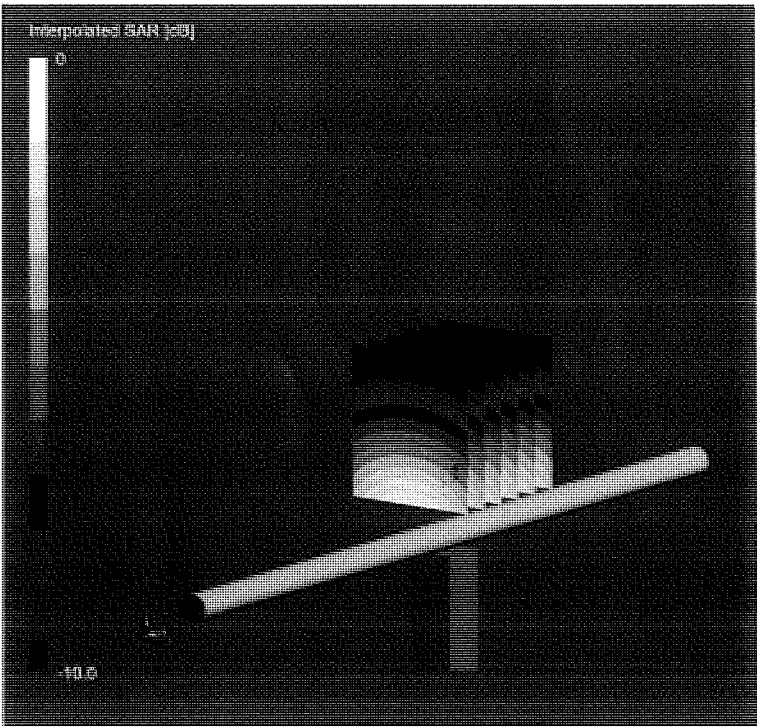
|               |                    |                             |                           |
|---------------|--------------------|-----------------------------|---------------------------|
| Phantom       | TSL, Measured Date | Probe, Calibration Date     | DAE, Calibration Date     |
| Flat V4.9 mod | HSL, 2025-08-14    | EX3DV4 – SN7349, 2025-01-10 | DAE4ip Sn1836, 2025-04-17 |

Scans Setup

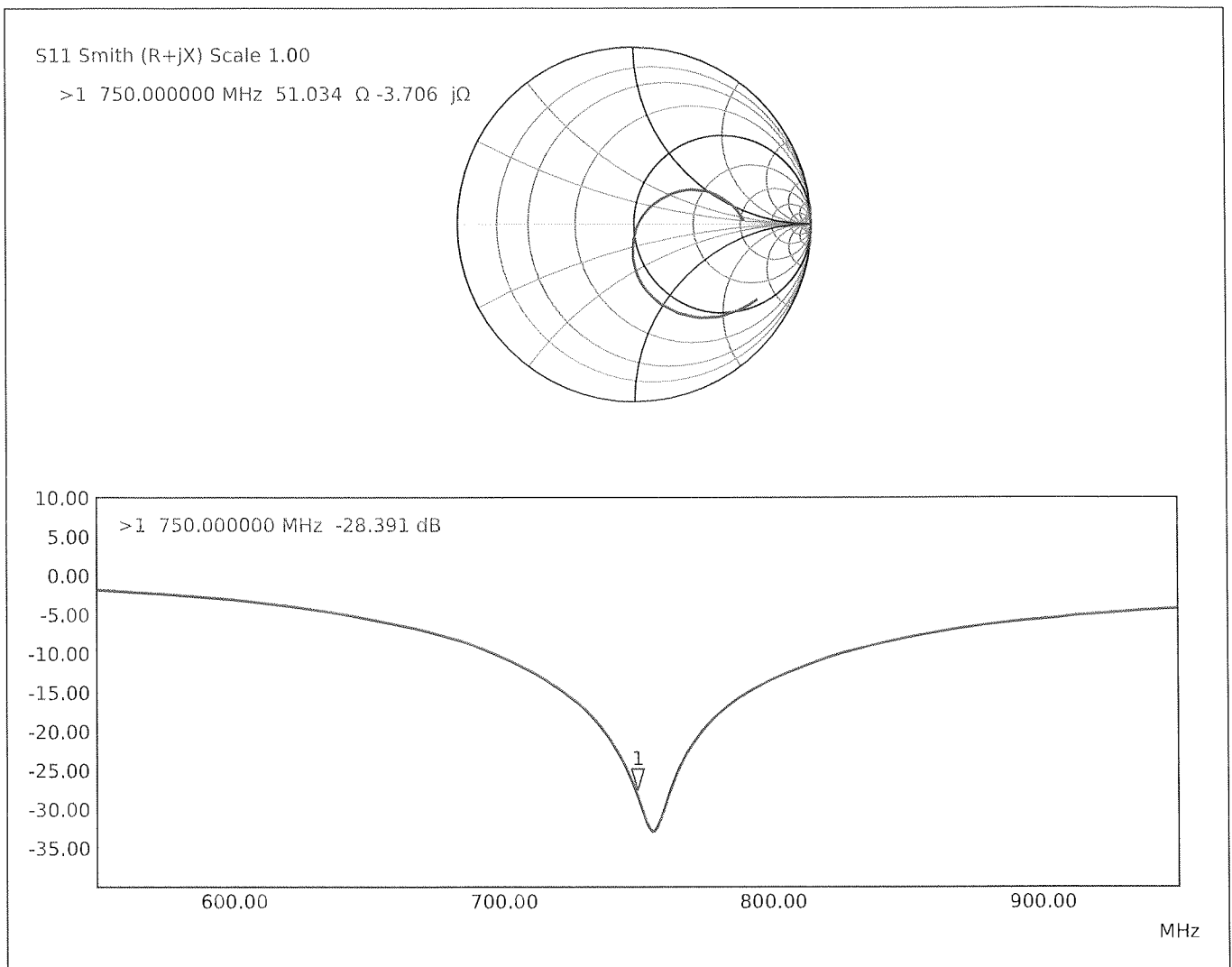
|                     |                 |
|---------------------|-----------------|
|                     | Zoom Scan       |
| Grid Extents [mm]   | 30 x 30 x 30    |
| Grid Steps [mm]     | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 1.4             |
| Graded Grid         | Yes             |
| Grading Ratio       | 1.5             |
| MAIA                | N/A             |
| Surface Detection   | All points      |
| Scan Method         | Measured        |

Measurement Results

|                     |                     |
|---------------------|---------------------|
|                     | Zoom Scan           |
| Date                | 2025-08-14          |
| psSAR1g [W/Kg]      | 2.19                |
| psSAR10g [W/Kg]     | 1.43                |
| Power Drift [dB]    | 0.00                |
| Power Scaling       | Disabled            |
| Scaling Factor [dB] |                     |
| TSL Correction      | Positive / Negative |



0 dB = 3.36 W/Kg

**Impedance Measurement Plot for HSL**



Accredited by the Swiss Accreditation Service (SAS)  
 The Swiss Accreditation Service is one of the signatories to the EA  
 Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

Client **B.V. ADT**  
 Taoyuan City

Certificate No. **D835V2-4d121\_Aug25**

## CALIBRATION CERTIFICATE

Object **D835V2 - SN: 4d121**

Calibration procedure(s) **QA CAL-05.v12**  
**Calibration Procedure for SAR Validation Sources between 0.7 - 3 GHz**

Calibration date **August 14, 2025**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).  
 The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature  $(22 \pm 3)^{\circ}\text{C}$  and humidity  $< 70\%$ .

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards           | ID         | Cal Date (Certificate No.)             | Scheduled Cal |
|-----------------------------|------------|----------------------------------------|---------------|
| Power Sensor R&S NRP-33T    | SN: 100967 | 30-Apr-25 (No. 1020-300791789)         | Apr-26        |
| Power Sensor R&S NRP18A     | SN: 101859 | 06-Feb-25 (No. 4030A315009541)         | Feb-26        |
| Spectrum Analyzer R&S FSV40 | SN: 101832 | 29-Jan-25 (No. 4030A315009658)         | Jan-26        |
| 3.5mm mismatch combination  | SN: 1152   | 24-Mar-25 (No. 217-04293)              | Mar-26        |
| OCP DAK-12                  | SN: 1016   | 24-Sept-24 (No. OCP-DAK12-1016_Sep24)  | Sep-25        |
| OCP DAK-3.5                 | SN: 1249   | 23-Sept-24 (No. OCP-DAK3.5-1249_Sep24) | Sep-25        |
| Reference Probe EX3DV4      | SN: 7349   | 10-Jan-25 (No. EX3-7349_Jan25)         | Jan-26        |
| DAE4ip                      | SN: 1836   | 17-Apr-25 (No. DAE4ip-1836_Apr25)      | Apr-26        |

| Secondary Standards          | ID         | Check Date (in house)                      | Scheduled Check |
|------------------------------|------------|--------------------------------------------|-----------------|
| ACAD Setup 1                 | SN: 1000   | 27-May-25 (No. 675-ACAD_Source_Box-250527) | May-26          |
| Signal Generator R&S SMB100A | SN: 182081 | 27-May-25 (No. 675-CAL16-S4588-250527)     | May-26          |
| Mismatch; SMA                | SN: 1102   | 24-Apr-25 (No. 675-Mismatch_SMA-250424)    | Apr-26          |
| OCP DAK-12                   | SN: 1029   | 27-Feb-25 (No. OCP-DAK12-1029_Feb25)       | Feb-26          |
| OCP DAK-3.5                  | SN: 1336   | 09-Dec-24 (No. OCP-DAK3.5-1336_Dec24)      | Dec-25          |

|               |            |                       |           |
|---------------|------------|-----------------------|-----------|
|               | Name       | Function              | Signature |
| Calibrated by | Paulo Pina | Laboratory Technician |           |
| Approved by   | Sven Kühn  | Technical Manager     |           |

Issued: August 14, 2025

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.



Accredited by the Swiss Accreditation Service (SAS)  
**The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates**

Accreditation No.: **SCS 0108**

## Glossary

|       |                                 |
|-------|---------------------------------|
| TSL   | tissue simulating liquid        |
| ConvF | sensitivity in TSL / NORM x,y,z |
| N/A   | not applicable or not measured  |

## Calibration is Performed According to the Following Standards

- IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

## Additional Documentation

- DASY System Handbook

## Methods Applied and Interpretation of Parameters

- *Measurement Conditions*: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL*: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss*: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay*: One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured*: SAR measured at the stated antenna input power.
- *SAR normalized*: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters*: The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor  $k=2$ , which for a normal distribution corresponds to a coverage probability of approximately 95%.

## Measurement Conditions

DASY system configuration, as far as not given on page 1.

|                              |                          |                                     |
|------------------------------|--------------------------|-------------------------------------|
| DASY Version                 | DASY8 Module SAR         | 16.4.0                              |
| Extrapolation                | Advanced Extrapolation   |                                     |
| Phantom                      | Modular Flat Phantom     |                                     |
| Distance Dipole Center - TSL | 15 mm                    | with spacer                         |
| Zoom Scan Resolution         | dx, dy = 6mm, dz = 1.5mm | Graded Ratio = 1.5 mm (Z direction) |
| Frequency                    | 835MHz $\pm$ 1MHz        |                                     |

## HSL parameters at 835 MHz

The following parameters and calculations were applied.

|                                    | Temperature         | Permittivity  | Conductivity         |
|------------------------------------|---------------------|---------------|----------------------|
| Nominal HSL parameters             | 22.0 °C             | 41.5          | 0.900 mho/m          |
| Measured HSL parameters            | (22.0 $\pm$ 0.2) °C | 43.0 $\pm$ 6% | 0.940 mho/m $\pm$ 6% |
| HSL temperature change during test | < 0.5 °C            |               |                      |

## SAR result with HSL at 835 MHz

| SAR averaged over 1 cm <sup>3</sup> (1 g) of HSL | Condition          |                               |
|--------------------------------------------------|--------------------|-------------------------------|
| SAR for nominal HSL parameters                   | 24 dBm input power | 2.39 W/kg                     |
| SAR for nominal HSL parameters                   | normalized to 1W   | 9.51 W/kg $\pm$ 17.0% (k = 2) |

| SAR averaged over 10 cm <sup>3</sup> (10 g) of HSL | Condition          |                               |
|----------------------------------------------------|--------------------|-------------------------------|
| SAR for nominal HSL parameters                     | 24 dBm input power | 1.55 W/kg                     |
| SAR for nominal HSL parameters                     | normalized to 1W   | 6.17 W/kg $\pm$ 16.5% (k = 2) |

**Appendix (Additional assessments outside the scope of SCS 0108)****Antenna Parameters with HSL at 835 MHz**

|             |                                |
|-------------|--------------------------------|
| Impedance   | 48.3 $\Omega$ – 8.0 j $\Omega$ |
| Return Loss | -21.6 dB                       |

**General Antenna Parameters and Design**

|                                  |          |
|----------------------------------|----------|
| Electrical Delay (one direction) | 1.394 ns |
|----------------------------------|----------|

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

**Additional EUT Data**

|                 |       |
|-----------------|-------|
| Manufactured by | SPEAG |
|-----------------|-------|

System Performance Check Report

Summary

|                  |                 |     |             |
|------------------|-----------------|-----|-------------|
| Dipole           | Frequency [MHz] | TSL | Power [dBm] |
| D835V2 – SN4d121 | 835             | HSL | 24          |

Exposure Conditions

|                      |                    |      |            |                                 |                   |                        |                  |
|----------------------|--------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Phantom Section, TSL | Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
| Flat                 | 15                 |      | CW, 0--    | 835, 0                          | 9.51              | 0.94                   | 43.0             |

Hardware Setup

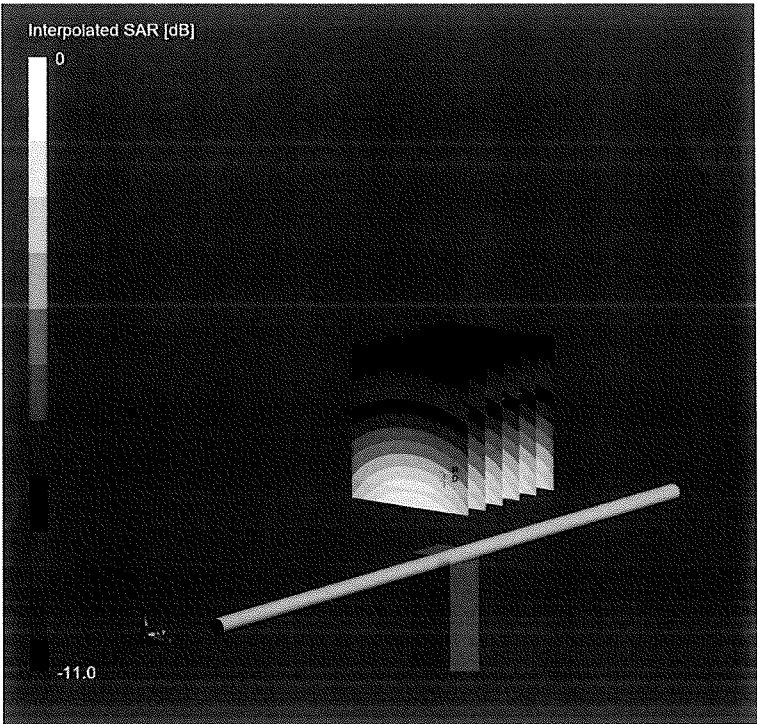
|               |                    |                             |                           |
|---------------|--------------------|-----------------------------|---------------------------|
| Phantom       | TSL, Measured Date | Probe, Calibration Date     | DAE, Calibration Date     |
| Flat V4.9 mod | HSL, 2025-08-14    | EX3DV4 – SN7349, 2025-01-10 | DAE4ip Sn1836, 2025-04-17 |

Scans Setup

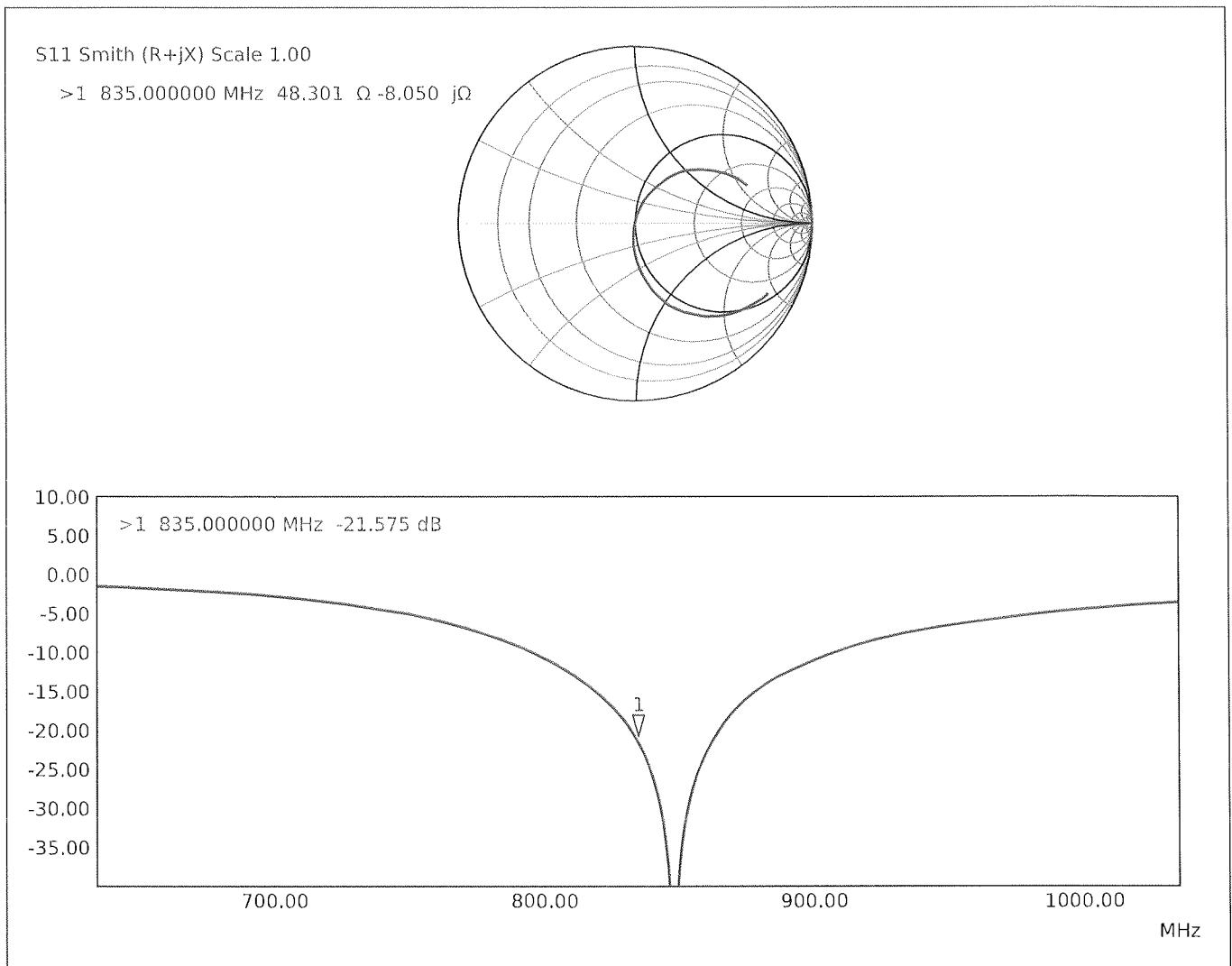
|                     |                 |
|---------------------|-----------------|
|                     | Zoom Scan       |
| Grid Extents [mm]   | 30 x 30 x 30    |
| Grid Steps [mm]     | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 1.4             |
| Graded Grid         | Yes             |
| Grading Ratio       | 1.5             |
| MAIA                | N/A             |
| Surface Detection   | All points      |
| Scan Method         | Measured        |

Measurement Results

|                     |                     |
|---------------------|---------------------|
|                     | Zoom Scan           |
| Date                | 2025-08-14          |
| psSAR1g [W/Kg]      | 2.39                |
| psSAR10g [W/Kg]     | 1.55                |
| Power Drift [dB]    | 0.02                |
| Power Scaling       | Disabled            |
| Scaling Factor [dB] |                     |
| TSL Correction      | Positive / Negative |



0 dB = 3.74 W/Kg

**Impedance Measurement Plot for HSL**



Accredited by the Swiss Accreditation Service (SAS)  
The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client **B.V. ADT**  
Taoyuan City

Certificate No. **D1750V2-1055\_Sep25**

## CALIBRATION CERTIFICATE

Object **D1750V2 - SN: 1055**

Calibration procedure(s) **QA CAL-05.v12**  
**Calibration Procedure for SAR Validation Sources between 0.7 - 3 GHz**

Calibration date **September 11, 2025**

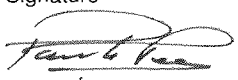
This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).  
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature  $(22 \pm 3)^\circ\text{C}$  and humidity  $< 70\%$ .

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards           | ID         | Cal Date (Certificate No.)             | Scheduled Cal |
|-----------------------------|------------|----------------------------------------|---------------|
| Power Sensor R&S NRP-33T    | SN: 100967 | 30-Apr-25 (No. 1020-300791789)         | Apr-26        |
| Power Sensor R&S NRP18A     | SN: 101859 | 06-Feb-25 (No. 4030A315009541)         | Feb-26        |
| Spectrum Analyzer R&S FSV40 | SN: 101832 | 29-Jan-25 (No. 4030A315009658)         | Jan-26        |
| 3.5mm mismatch combination  | SN: 1152   | 24-Mar-25 (No. 217-04293)              | Mar-26        |
| OCP DAK-12                  | SN: 1016   | 24-Sept-24 (No. OCP-DAK12-1016_Sep24)  | Sep-25        |
| OCP DAK-3.5                 | SN: 1249   | 23-Sept-24 (No. OCP-DAK3.5-1249_Sep24) | Sep-25        |
| Reference Probe EX3DV4      | SN: 7349   | 10-Jan-25 (No. EX3-7349_Jan25)         | Jan-26        |
| DAE4ip                      | SN: 1836   | 04-Sep-25 (No. DAE4ip-1836_Sep25)      | Sep-26        |

| Secondary Standards          | ID         | Check Date (in house)                      | Scheduled Check |
|------------------------------|------------|--------------------------------------------|-----------------|
| ACAD Setup 1                 | SN: 1000   | 27-May-25 (No. 675-ACAD_Source_Box-250527) | May-26          |
| Signal Generator R&S SMB100A | SN: 182081 | 27-May-25 (No. 675-CAL16-S4588-250527)     | May-26          |
| Mismatch; SMA                | SN: 1102   | 24-Apr-25 (No. 675-Mismatch_SMA-250424)    | Apr-26          |
| OCP DAK-12                   | SN: 1029   | 27-Feb-25 (No. OCP-DAK12-1029_Feb25)       | Feb-26          |
| OCP DAK-3.5                  | SN: 1336   | 09-Dec-24 (No. OCP-DAK3.5-1336_Dec24)      | Dec-25          |

|                                                                                                                 | Name       | Function              | Signature                                                                             |
|-----------------------------------------------------------------------------------------------------------------|------------|-----------------------|---------------------------------------------------------------------------------------|
| Calibrated by                                                                                                   | Paulo Pina | Laboratory Technician |  |
| Approved by                                                                                                     | Sven Kühn  | Technical Manager     |  |
| Issued: September 12, 2025                                                                                      |            |                       |                                                                                       |
| This calibration certificate shall not be reproduced except in full without written approval of the laboratory. |            |                       |                                                                                       |



Accredited by the Swiss Accreditation Service (SAS)  
The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

## Glossary

|       |                                 |
|-------|---------------------------------|
| TSL   | tissue simulating liquid        |
| ConvF | sensitivity in TSL / NORM x,y,z |
| N/A   | not applicable or not measured  |

## Calibration is Performed According to the Following Standards

- IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

## Additional Documentation

- DASY System Handbook

## Methods Applied and Interpretation of Parameters

- *Measurement Conditions*: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL*: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss*: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay*: One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured*: SAR measured at the stated antenna input power.
- *SAR normalized*: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters*: The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor  $k=2$ , which for a normal distribution corresponds to a coverage probability of approximately 95%.

## Measurement Conditions

DASY system configuration, as far as not given on page 1.

|                                     |                          |                                     |
|-------------------------------------|--------------------------|-------------------------------------|
| <b>DASY Version</b>                 | DASY8 Module SAR         | 17.0.0                              |
| <b>Extrapolation</b>                | Advanced Extrapolation   |                                     |
| <b>Phantom</b>                      | Modular Flat Phantom     |                                     |
| <b>Distance Dipole Center - TSL</b> | 10 mm                    | with spacer                         |
| <b>Zoom Scan Resolution</b>         | dx, dy = 6mm, dz = 1.5mm | Graded Ratio = 1.5 mm (Z direction) |
| <b>Frequency</b>                    | 1750MHz $\pm$ 1MHz       |                                     |

## HSL parameters at 1750 MHz

The following parameters and calculations were applied.

|                                           | Temperature        | Permittivity  | Conductivity        |
|-------------------------------------------|--------------------|---------------|---------------------|
| <b>Nominal HSL parameters</b>             | 22.0 °C            | 40.1          | 1.37 mho/m          |
| <b>Measured HSL parameters</b>            | (22.0 $\pm$ 0.2)°C | 40.8 $\pm$ 6% | 1.36 mho/m $\pm$ 6% |
| <b>HSL temperature change during test</b> | < 0.5 °C           |               |                     |

## SAR result with HSL at 1750 MHz

| <b>SAR averaged over 1 cm<sup>3</sup> (1 g) of HSL</b> | Condition          |                               |
|--------------------------------------------------------|--------------------|-------------------------------|
| SAR for nominal HSL parameters                         | 24 dBm input power | 9.14 W/kg                     |
| SAR for nominal HSL parameters                         | normalized to 1W   | 36.4 W/kg $\pm$ 17.0% (k = 2) |

| <b>SAR averaged over 10 cm<sup>3</sup> (10 g) of HSL</b> | Condition          |                               |
|----------------------------------------------------------|--------------------|-------------------------------|
| SAR for nominal HSL parameters                           | 24 dBm input power | 4.86 W/kg                     |
| SAR for nominal HSL parameters                           | normalized to 1W   | 19.3 W/kg $\pm$ 16.5% (k = 2) |

**Appendix (Additional assessments outside the scope of SCS 0108)****Antenna Parameters with HSL at 1750 MHz**

|             |                                |
|-------------|--------------------------------|
| Impedance   | 48.5 $\Omega$ – 1.6 j $\Omega$ |
| Return Loss | -33.1 dB                       |

**General Antenna Parameters and Design**

|                                  |          |
|----------------------------------|----------|
| Electrical Delay (one direction) | 1.225 ns |
|----------------------------------|----------|

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

**Additional EUT Data**

|                 |       |
|-----------------|-------|
| Manufactured by | SPEAG |
|-----------------|-------|

## System Performance Check Report

## Summary

| Dipole           | Frequency [MHz] | TSL | Power [dBm] |
|------------------|-----------------|-----|-------------|
| D1750V2 - SN1055 | 1750            | HSL | 24          |

## Exposure Conditions

| Phantom Section, TSL | Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|--------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat                 | 10                 |      | CW, 0---   | 1750, 0                         | 7.96              | 1.36                   | 40.8             |

## Hardware Setup

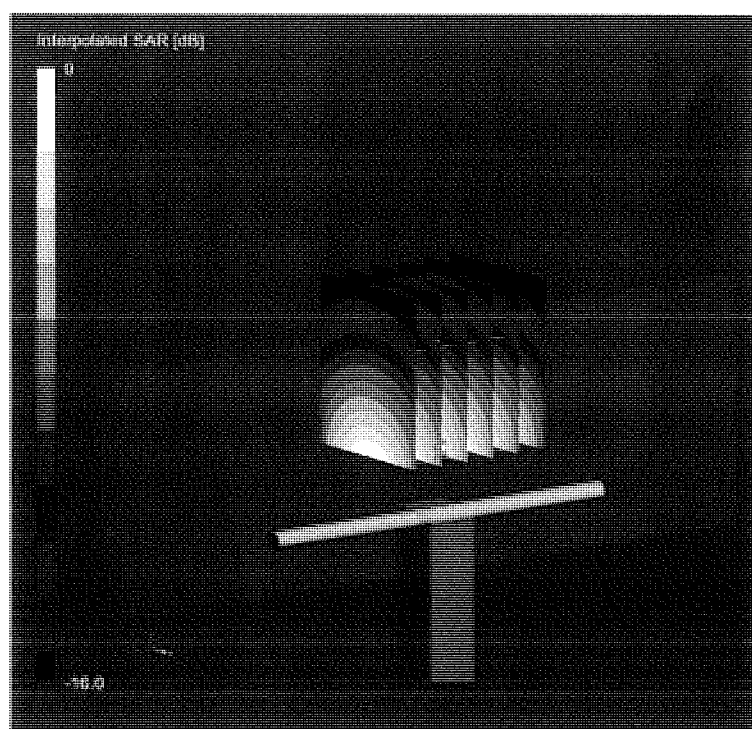
| Phantom         | TSL, Measured Date | Probe, Calibration Date     | DAE, Calibration Date     |
|-----------------|--------------------|-----------------------------|---------------------------|
| MFP V8.0 Center | HSL, 2025-09-11    | EX3DV4 - SN7349, 2025-01-10 | DAE4ip Sn1836, 2025-09-04 |

## Scans Setup

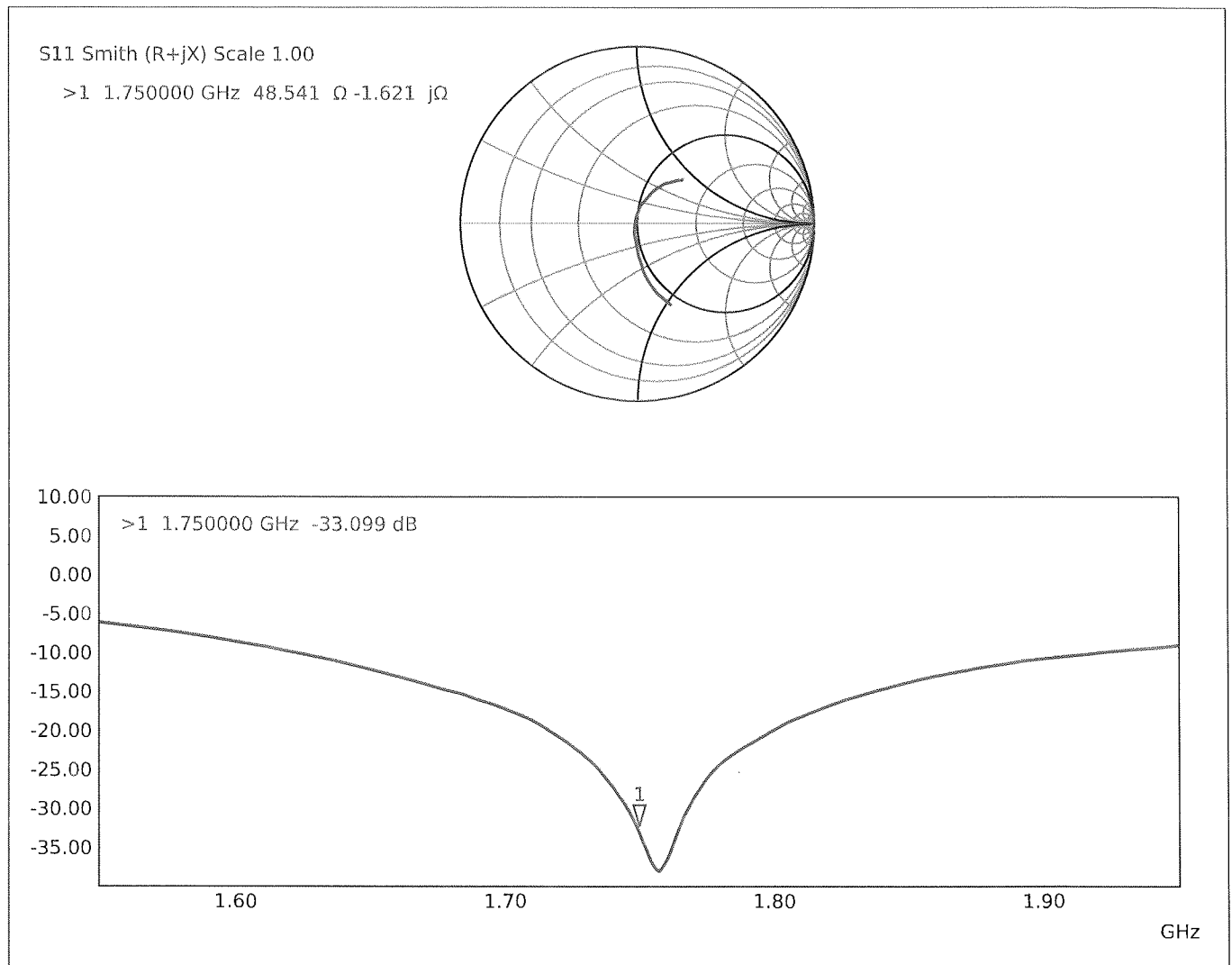
|                     | Zoom Scan       |
|---------------------|-----------------|
| Grid Extents [mm]   | 30 x 30 x 30    |
| Grid Steps [mm]     | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 1.4             |
| Graded Grid         | Yes             |
| Grading Ratio       | 1.5             |
| MAIA                | N/A             |
| Surface Detection   | VMS + 6p        |
| Scan Method         | Measured        |

## Measurement Results

|                     | Zoom Scan           |
|---------------------|---------------------|
| Date                | 2025-09-11          |
| psSAR1g [W/Kg]      | 9.14                |
| psSAR10g [W/Kg]     | 4.86                |
| Power Drift [dB]    | 0.00                |
| Power Scaling       | Disabled            |
| Scaling Factor [dB] |                     |
| TSL Correction      | Positive / Negative |



0 dB = 16.0 W/Kg

**Impedance Measurement Plot for HSL**



Accredited by the Swiss Accreditation Service (SAS)  
 The Swiss Accreditation Service is one of the signatories to the EA  
 Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

Client

**B.V. ADT**  
 Taoyuan City

Certificate No.

**D1900V2-5d036\_Feb25**

## CALIBRATION CERTIFICATE

Object **D1900V2 - SN: 5d036**

Calibration procedure(s) **QA CAL-05.v12**  
**Calibration Procedure for SAR Validation Sources between 0.7 - 3 GHz**

Calibration date **February 12, 2025**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).  
 The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature  $(22 \pm 3)^\circ\text{C}$  and humidity  $< 70\%$ .

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards                          | ID         | Cal Date (Certificate No.)             | Scheduled Cal |
|--------------------------------------------|------------|----------------------------------------|---------------|
| Power Sensor R&S NRP-33T                   | SN: 100967 | 28-Mar-24 (No. 217-04038)              | Mar-25        |
| Power Sensor R&S NRP18A                    | SN: 101859 | 22-Jul-24 (No. 4030A315008547)         | Jul-25        |
| Spectrum Analyzer R&S FSV40                | SN: 101832 | 29-Jan-25 (No. 4030A315009658)         | Jan-26        |
| Mismatch; Short [S4188] Attenuator [S4423] | SN: 1152   | 28-Mar-24 (No. 217-04050)              | Mar-25        |
| OCP DAK-12                                 | SN: 1016   | 24-Sept-24 (No. OCP-DAK12-1016_Sep24)  | Sep-25        |
| OCP DAK-3.5                                | SN: 1249   | 23-Sept-24 (No. OCP-DAK3.5-1249_Sep24) | Sep-25        |
| Reference Probe EX3DV4                     | SN: 7349   | 10-Jan-25 (No. EX3-7349_Jan25)         | Jan-26        |
| DAE4ip                                     | SN: 1836   | 28-Oct-24 (No. DAE4ip-1836_Oct24)      | Oct-25        |

| Secondary Standards          | ID         | Check Date (in house)                      | Scheduled Check |
|------------------------------|------------|--------------------------------------------|-----------------|
| ACAD Source Box              | SN: 1000   | 28-May-24 (No. 675-ACAD_Source_Box-240528) | May-25          |
| Signal Generator R&S SMB100A | SN: 182081 | 28-May-24 (No. 675-CAL16-S4588-240528)     | May-25          |
| Mismatch; SMA                | SN: 1102   | 22-May-24 (No. 675-Mismatch_SMA-240522)    | May-25          |

|                                                                                                                 | Name         | Function              | Signature |
|-----------------------------------------------------------------------------------------------------------------|--------------|-----------------------|-----------|
| Calibrated by                                                                                                   | Leif Klysner | Laboratory Technician |           |
| Approved by                                                                                                     | Sven Kühn    | Technical Manager     |           |
| Issued: February 12, 2025                                                                                       |              |                       |           |
| This calibration certificate shall not be reproduced except in full without written approval of the laboratory. |              |                       |           |



Accredited by the Swiss Accreditation Service (SAS)  
**The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates**

**Accreditation No.: SCS 0108**

## Glossary

|       |                                 |
|-------|---------------------------------|
| TSL   | tissue simulating liquid        |
| ConvF | sensitivity in TSL / NORM x,y,z |
| N/A   | not applicable or not measured  |

## Calibration is Performed According to the Following Standards

- IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

## Additional Documentation

- DASY System Handbook

## Methods Applied and Interpretation of Parameters

- *Measurement Conditions*: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL*: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss*: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay*: One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured*: SAR measured at the stated antenna input power.
- *SAR normalized*: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters*: The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor  $k=2$ , which for a normal distribution corresponds to a coverage probability of approximately 95%.

## Measurement Conditions

DASY system configuration, as far as not given on page 1.

|                                     |                          |                                     |
|-------------------------------------|--------------------------|-------------------------------------|
| <b>DASY Version</b>                 | DASY8 Module SAR         | 16.4.0                              |
| <b>Extrapolation</b>                | Advanced Extrapolation   |                                     |
| <b>Phantom</b>                      | Modular Flat Phantom     |                                     |
| <b>Distance Dipole Center - TSL</b> | 10 mm                    | with spacer                         |
| <b>Zoom Scan Resolution</b>         | dx, dy = 6mm, dz = 1.5mm | Graded Ratio = 1.5 mm (Z direction) |
| <b>Frequency</b>                    | 1900MHz $\pm$ 1MHz       |                                     |

## Head TSL parameters at 1900 MHz

The following parameters and calculations were applied.

|                                                | Temperature        | Permittivity  | Conductivity        |
|------------------------------------------------|--------------------|---------------|---------------------|
| <b>Nominal Head TSL parameters</b>             | 22.0 °C            | 40.0          | 1.40 mho/m          |
| <b>Measured Head TSL parameters</b>            | (22.0 $\pm$ 0.2)°C | 39.2 $\pm$ 6% | 1.40 mho/m $\pm$ 6% |
| <b>Head TSL temperature change during test</b> | < 0.5 °C           |               |                     |

## SAR result with Head TSL at 1900 MHz

| <b>SAR averaged over 1 cm<sup>3</sup> (1 g) of Head TSL</b> | Condition          |                               |
|-------------------------------------------------------------|--------------------|-------------------------------|
| SAR for nominal Head TSL parameters                         | 24 dBm input power | 9.94 W/kg                     |
| SAR for nominal Head TSL parameters                         | normalized to 1W   | 39.6 W/kg $\pm$ 17.0% (k = 2) |

| <b>SAR averaged over 10 cm<sup>3</sup> (10 g) of Head TSL</b> | Condition          |                               |
|---------------------------------------------------------------|--------------------|-------------------------------|
| SAR for nominal Head TSL parameters                           | 24 dBm input power | 5.26 W/kg                     |
| SAR for nominal Head TSL parameters                           | normalized to 1W   | 20.9 W/kg $\pm$ 16.5% (k = 2) |

**Appendix (Additional assessments outside the scope of SCS 0108)****Antenna Parameters with Head TSL at 1900 MHz**

|             |                                |
|-------------|--------------------------------|
| Impedance   | 51.8 $\Omega$ + 5.3 j $\Omega$ |
| Return Loss | -25.2 dB                       |

**General Antenna Parameters and Design**

|                                  |          |
|----------------------------------|----------|
| Electrical Delay (one direction) | 1.195 ns |
|----------------------------------|----------|

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

**Additional EUT Data**

|                 |       |
|-----------------|-------|
| Manufactured by | SPEAG |
|-----------------|-------|

System Performance Check Report

Summary

|                   |                 |     |             |
|-------------------|-----------------|-----|-------------|
| Dipole            | Frequency [MHz] | TSL | Power [dBm] |
| D1900V2 - SN5d036 | 1900            | HSL | 24          |

Exposure Conditions

|                      |                    |      |            |                                 |                   |                        |                  |
|----------------------|--------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Phantom Section, TSL | Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
| Flat                 | 10                 |      | CW, 0--    | 1900, 0                         | 7.68              | 1.40                   | 39.2             |

Hardware Setup

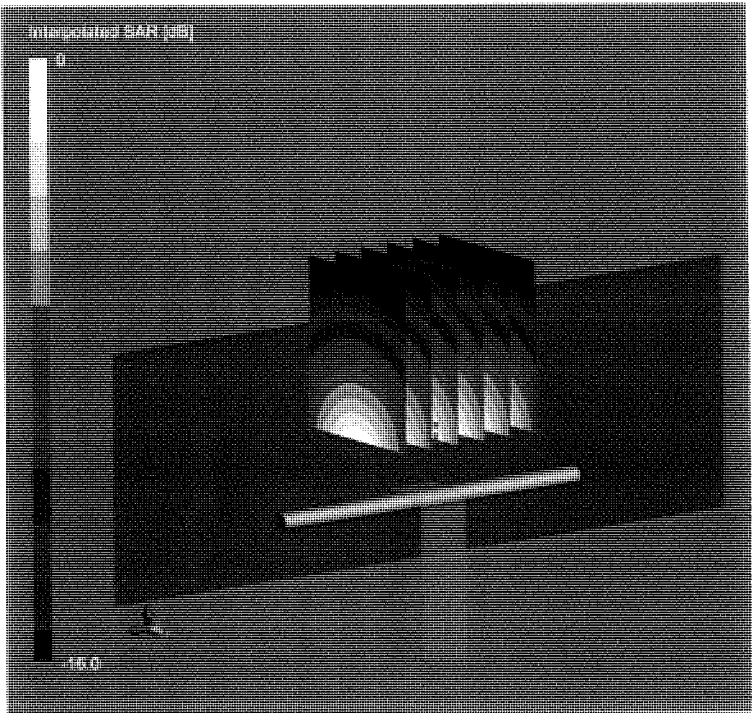
|                 |                    |                             |                           |
|-----------------|--------------------|-----------------------------|---------------------------|
| Phantom         | TSL, Measured Date | Probe, Calibration Date     | DAE, Calibration Date     |
| MFP V8.0 Center | HSL, 2025-02-12    | EX3DV4 - SN7349, 2025-01-10 | DAE4ip Sn1836, 2024-10-28 |

Scans Setup

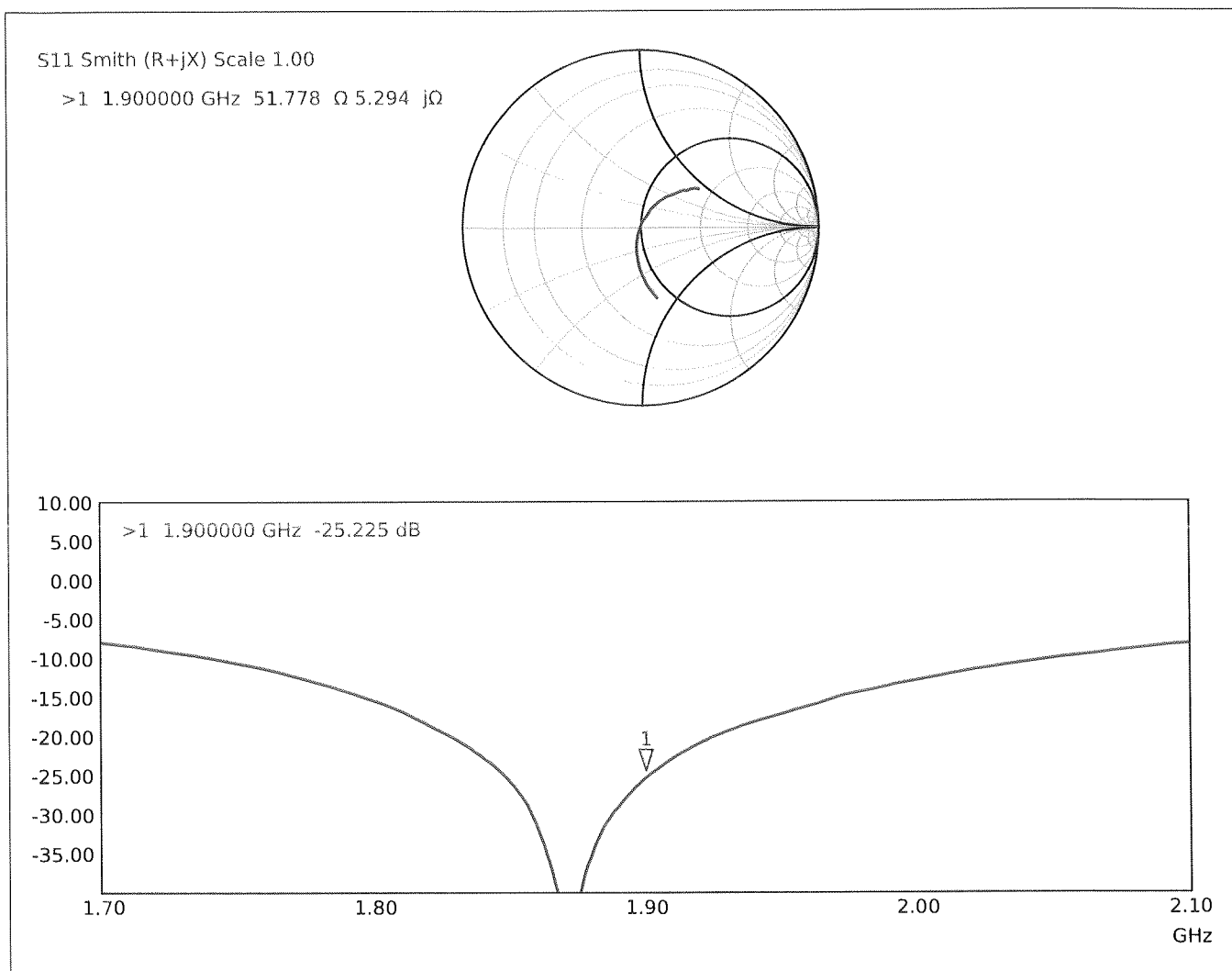
|                     |                 |
|---------------------|-----------------|
|                     | Zoom Scan       |
| Grid Extents [mm]   | 30 x 30 x 30    |
| Grid Steps [mm]     | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 1.4             |
| Graded Grid         | Yes             |
| Grading Ratio       | 1.5             |
| MAIA                | N/A             |
| Surface Detection   | VMS + 6p        |
| Scan Method         | Measured        |

Measurement Results

|                     |                     |
|---------------------|---------------------|
|                     | Zoom Scan           |
| Date                | 2025-02-12          |
| psSAR1g [W/Kg]      | 9.94                |
| psSAR10g [W/Kg]     | 5.26                |
| Power Drift [dB]    | 0.01                |
| Power Scaling       | Disabled            |
| Scaling Factor [dB] |                     |
| TSL Correction      | Positive / Negative |



0 dB = 17.5 W/Kg

**Impedance Measurement Plot for Head TSL**



Accredited by the Swiss Accreditation Service (SAS)  
The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client  
**B.V. ADT**  
Taoyuan City

Certificate No. **D2600V2-1020\_Aug25**

## CALIBRATION CERTIFICATE

Object D2600V2 - SN: 1020

Calibration procedure(s) QA CAL-05.v12  
Calibration Procedure for SAR Validation Sources between 0.7 - 3 GHz

Calibration date August 14, 2025

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).  
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature  $(22 \pm 3)^\circ\text{C}$  and humidity  $< 70\%$ .

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards           | ID         | Cal Date (Certificate No.)             | Scheduled Cal |
|-----------------------------|------------|----------------------------------------|---------------|
| Power Sensor R&S NRP-33T    | SN: 100967 | 30-Apr-25 (No. 1020-300791789)         | Apr-26        |
| Power Sensor R&S NRP18A     | SN: 101859 | 06-Feb-25 (No. 4030A315009541)         | Feb-26        |
| Spectrum Analyzer R&S FSV40 | SN: 101832 | 29-Jan-25 (No. 4030A315009658)         | Jan-26        |
| 3.5mm mismatch combination  | SN: 1152   | 24-Mar-25 (No. 217-04293)              | Mar-26        |
| OCP DAK-12                  | SN: 1016   | 24-Sept-24 (No. OCP-DAK12-1016_Sep24)  | Sep-25        |
| OCP DAK-3.5                 | SN: 1249   | 23-Sept-24 (No. OCP-DAK3.5-1249_Sep24) | Sep-25        |
| Reference Probe EX3DV4      | SN: 7349   | 10-Jan-25 (No. EX3-7349_Jan25)         | Jan-26        |
| DAE4ip                      | SN: 1836   | 17-Apr-25 (No. DAE4ip-1836_Apr25)      | Apr-26        |

| Secondary Standards          | ID         | Check Date (in house)                      | Scheduled Check |
|------------------------------|------------|--------------------------------------------|-----------------|
| ACAD Setup 1                 | SN: 1000   | 27-May-25 (No. 675-ACAD_Source_Box-250527) | May-26          |
| Signal Generator R&S SMB100A | SN: 182081 | 27-May-25 (No. 675-CAL16-S4588-250527)     | May-26          |
| Mismatch; SMA                | SN: 1102   | 24-Apr-25 (No. 675-Mismatch_SMA-250424)    | Apr-26          |
| OCP DAK-12                   | SN: 1029   | 27-Feb-25 (No. OCP-DAK12-1029_Feb25)       | Feb-26          |
| OCP DAK-3.5                  | SN: 1336   | 09-Dec-24 (No. OCP-DAK3.5-1336_Dec24)      | Dec-25          |

|               |            |                       |                                                                                       |
|---------------|------------|-----------------------|---------------------------------------------------------------------------------------|
|               | Name       | Function              | Signature                                                                             |
| Calibrated by | Paulo Pina | Laboratory Technician |  |
| Approved by   | Sven Kühn  | Technical Manager     |  |

Issued: August 14, 2025

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.



Accredited by the Swiss Accreditation Service (SAS)  
**The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates**

**Accreditation No.: SCS 0108**

## Glossary

|       |                                 |
|-------|---------------------------------|
| TSL   | tissue simulating liquid        |
| ConvF | sensitivity in TSL / NORM x,y,z |
| N/A   | not applicable or not measured  |

## Calibration is Performed According to the Following Standards

- IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

## Additional Documentation

- DASY System Handbook

## Methods Applied and Interpretation of Parameters

- *Measurement Conditions*: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL*: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss*: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay*: One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured*: SAR measured at the stated antenna input power.
- *SAR normalized*: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters*: The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor  $k=2$ , which for a normal distribution corresponds to a coverage probability of approximately 95%.

## Measurement Conditions

DASY system configuration, as far as not given on page 1.

|                              |                          |                                     |
|------------------------------|--------------------------|-------------------------------------|
| DASY Version                 | DASY8 Module SAR         | 16.4.0                              |
| Extrapolation                | Advanced Extrapolation   |                                     |
| Phantom                      | Modular Flat Phantom     |                                     |
| Distance Dipole Center - TSL | 10 mm                    | with spacer                         |
| Zoom Scan Resolution         | dx, dy = 5mm, dz = 1.5mm | Graded Ratio = 1.5 mm (Z direction) |
| Frequency                    | 2600MHz $\pm$ 1MHz       |                                     |

## HSL parameters at 2600 MHz

The following parameters and calculations were applied.

|                                    | Temperature        | Permittivity  | Conductivity        |
|------------------------------------|--------------------|---------------|---------------------|
| Nominal HSL parameters             | 22.0 °C            | 39.0          | 1.96 mho/m          |
| Measured HSL parameters            | (22.0 $\pm$ 0.2)°C | 38.2 $\pm$ 6% | 1.99 mho/m $\pm$ 6% |
| HSL temperature change during test | < 0.5 °C           |               |                     |

## SAR result with HSL at 2600 MHz

| SAR averaged over 1 cm <sup>3</sup> (1 g) of HSL | Condition          |                               |
|--------------------------------------------------|--------------------|-------------------------------|
| SAR for nominal HSL parameters                   | 24 dBm input power | 14.2 W/kg                     |
| SAR for nominal HSL parameters                   | normalized to 1W   | 56.5 W/kg $\pm$ 17.0% (k = 2) |

| SAR averaged over 10 cm <sup>3</sup> (10 g) of HSL | Condition          |                               |
|----------------------------------------------------|--------------------|-------------------------------|
| SAR for nominal HSL parameters                     | 24 dBm input power | 6.43 W/kg                     |
| SAR for nominal HSL parameters                     | normalized to 1W   | 25.6 W/kg $\pm$ 16.5% (k = 2) |

**Appendix (Additional assessments outside the scope of SCS 0108)****Antenna Parameters with HSL at 2600 MHz**

|             |                                |
|-------------|--------------------------------|
| Impedance   | 48.3 $\Omega$ – 5.9 j $\Omega$ |
| Return Loss | -24.1 dB                       |

**General Antenna Parameters and Design**

|                                  |          |
|----------------------------------|----------|
| Electrical Delay (one direction) | 1.158 ns |
|----------------------------------|----------|

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

**Additional EUT Data**

|                 |       |
|-----------------|-------|
| Manufactured by | SPEAG |
|-----------------|-------|

System Performance Check Report

Summary

|                  |                 |     |             |
|------------------|-----------------|-----|-------------|
| Dipole           | Frequency [MHz] | TSL | Power [dBm] |
| D2600V2 ~ SN1020 | 2600            | HSL | 24          |

Exposure Conditions

|                      |                    |         |            |                                 |                   |                        |                  |
|----------------------|--------------------|---------|------------|---------------------------------|-------------------|------------------------|------------------|
| Phantom Section, TSL | Test Distance [mm] | Band    | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
| Flat                 | 10                 | CW, 0-- |            | 2600, 0                         | 7.26              | 1.99                   | 38.2             |

Hardware Setup

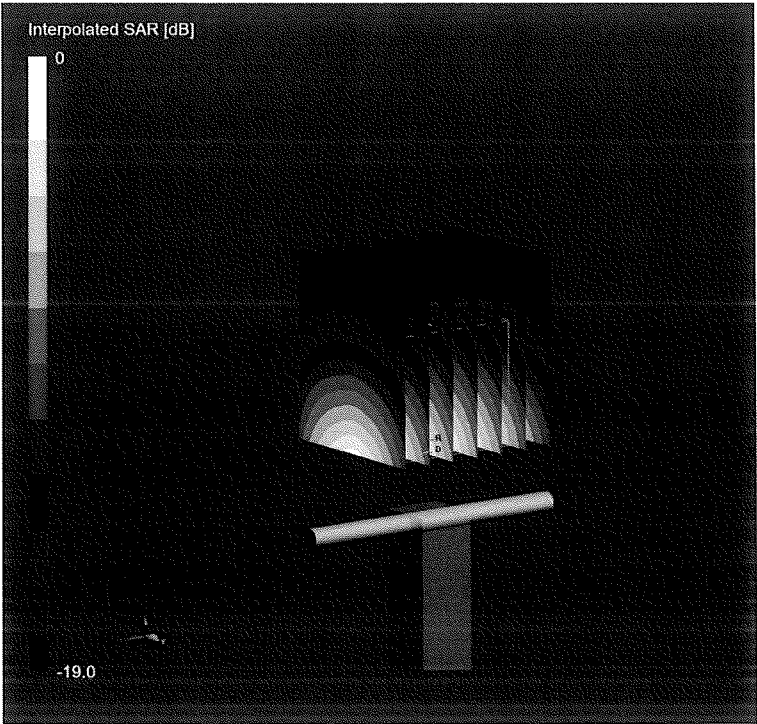
|                 |                    |                             |                           |
|-----------------|--------------------|-----------------------------|---------------------------|
| Phantom         | TSL, Measured Date | Probe, Calibration Date     | DAE, Calibration Date     |
| MFP V8.0 Center | HSL, 2025-08-14    | EX3DV4 ~ SN7349, 2025-01-10 | DAE4ip Sn1836, 2025-04-17 |

Scans Setup

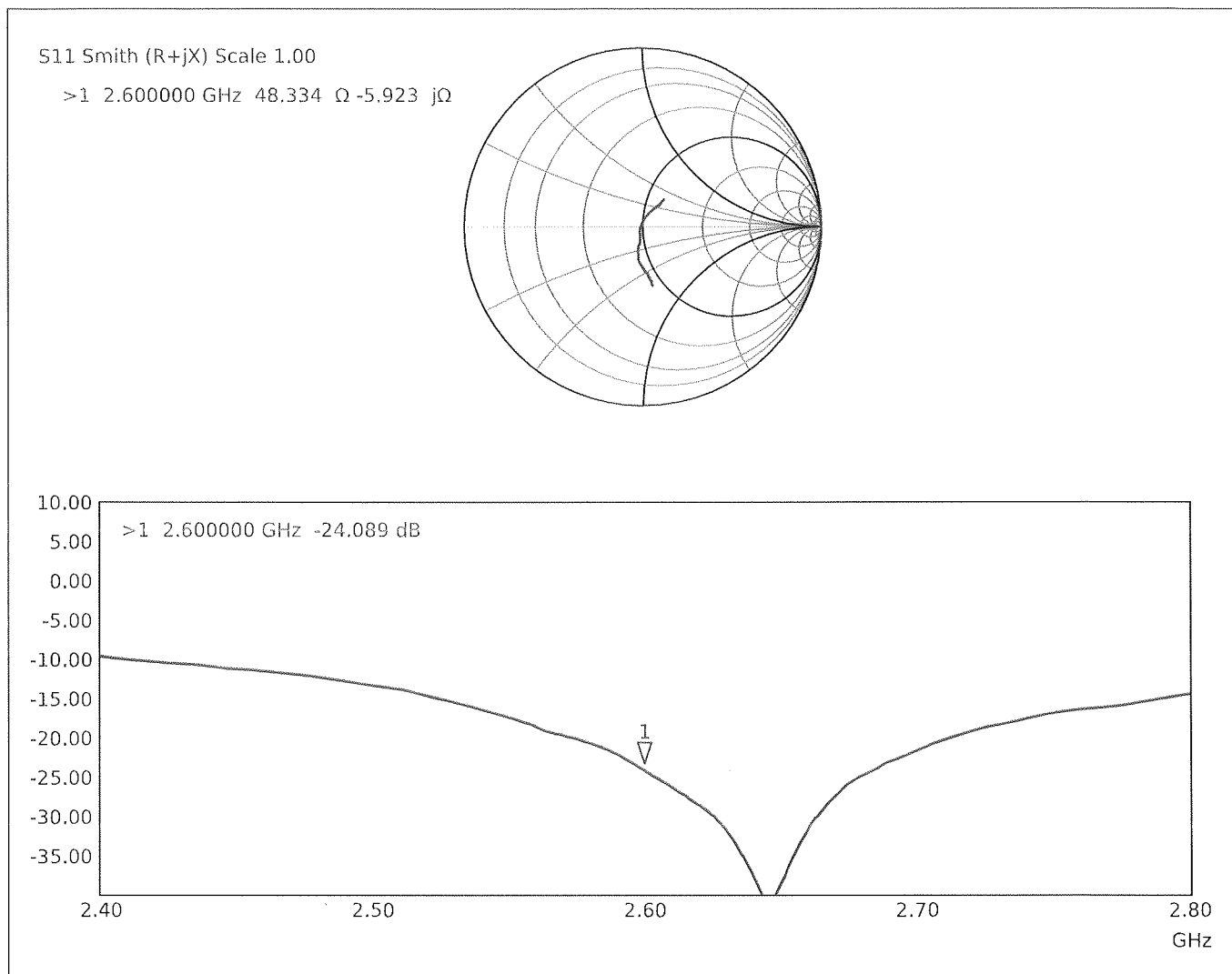
|                     |                 |
|---------------------|-----------------|
|                     | Zoom Scan       |
| Grid Extents [mm]   | 30 x 30 x 30    |
| Grid Steps [mm]     | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 1.4             |
| Graded Grid         | Yes             |
| Grading Ratio       | 1.5             |
| MAIA                | N/A             |
| Surface Detection   | VMS + 6p        |
| Scan Method         | Measured        |

Measurement Results

|                     |                     |
|---------------------|---------------------|
|                     | Zoom Scan           |
| Date                | 2025-08-14          |
| psSAR1g [W/Kg]      | 14.2                |
| psSAR10g [W/Kg]     | 6.43                |
| Power Drift [dB]    | 0.00                |
| Power Scaling       | Disabled            |
| Scaling Factor [dB] |                     |
| TSL Correction      | Positive / Negative |



0 dB = 29.5 W/Kg

**Impedance Measurement Plot for HSL**



Accredited by the Swiss Accreditation Service (SAS)  
The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

Client

**B.V. ADT**  
Taoyuan City

Certificate No.

**D3500V2-1007\_Jan25**

## CALIBRATION CERTIFICATE

Object **D3500V2 - SN: 1007**

Calibration procedure(s) **QA CAL-22.v7**  
**Calibration Procedure for SAR Validation Sources between 3 - 10 GHz**

Calibration date **January 15, 2025**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).  
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature  $(22 \pm 3)^\circ\text{C}$  and humidity  $< 70\%$ .

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards                          | ID         | Cal Date (Certificate No.)             | Scheduled Cal |
|--------------------------------------------|------------|----------------------------------------|---------------|
| Power Sensor R&S NRP-33T                   | SN: 100967 | 28-Mar-24 (No. 217-04038)              | Mar-25        |
| Power Sensor R&S NRP18A                    | SN: 101859 | 22-Jul-24 (No. 4030A315008547)         | Jul-25        |
| Spectrum Analyzer R&S FSV40                | SN: 101832 | 25-Jan-24 (No. 4030-315007551)         | Jan-25        |
| Mismatch; Short [S4188] Attenuator [S4423] | SN: 1152   | 28-Mar-24 (No. 217-04050)              | Mar-25        |
| OCP DAK-12                                 | SN: 1016   | 24-Sept-24 (No. OCP-DAK12-1016_Sep24)  | Sep-25        |
| OCP DAK-3.5                                | SN: 1249   | 23-Sept-24 (No. OCP-DAK3.5-1249_Sep24) | Sep-25        |
| Reference Probe EX3DV4                     | SN: 7349   | 10-Jan-25 (No. EX3-7349_Jan25)         | Jan-26        |
| DAE4ip                                     | SN: 1836   | 28-Oct-24 (No. DAE4ip-1836_Oct24)      | Oct-25        |

| Secondary Standards          | ID         | Check Date (in house)                      | Scheduled Check |
|------------------------------|------------|--------------------------------------------|-----------------|
| ACAD Source Box              | SN: 1000   | 28-May-24 (No. 675-ACAD_Source_Box-240528) | May-25          |
| Signal Generator R&S SMB100A | SN: 182081 | 28-May-24 (No. 675-CAL16-S4588-240528)     | May-25          |
| Mismatch; SMA                | SN: 1102   | 22-May-24 (No. 675-Mismatch_SMA-240522)    | May-25          |

|                                                                                                                 | Name       | Function              | Signature |
|-----------------------------------------------------------------------------------------------------------------|------------|-----------------------|-----------|
| Calibrated by                                                                                                   | Paulo Pina | Laboratory Technician |           |
| Approved by                                                                                                     | Sven Kühn  | Technical Manager     |           |
| Issued: January 16, 2025                                                                                        |            |                       |           |
| This calibration certificate shall not be reproduced except in full without written approval of the laboratory. |            |                       |           |

## Calibration Laboratory of

Schmid & Partner  
Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland



**S** Schweizerischer Kalibrierdienst  
**C** Service suisse d'étalonnage  
**S** Servizio svizzero di taratura  
**S** Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

## Glossary

TSL tissue simulating liquid  
ConvF sensitivity in TSL / NORM x,y,z  
N/A not applicable or not measured

## Calibration is Performed According to the Following Standards

- IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

## Additional Documentation

- DASY System Handbook

## Methods Applied and Interpretation of Parameters

- *Measurement Conditions*: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL*: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss*: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay*: One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured*: SAR measured at the stated antenna input power.
- *SAR normalized*: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters*: The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor  $k=2$ , which for a normal distribution corresponds to a coverage probability of approximately 95%.

## Measurement Conditions

DASY system configuration, as far as not given on page 1.

|                                     |                          |                                     |
|-------------------------------------|--------------------------|-------------------------------------|
| <b>DASY Version</b>                 | DASY8 Module SAR         | 16.4.0                              |
| <b>Extrapolation</b>                | Advanced Extrapolation   |                                     |
| <b>Phantom</b>                      | Modular Flat Phantom     |                                     |
| <b>Distance Dipole Center - TSL</b> | 10 mm                    | with spacer                         |
| <b>Zoom Scan Resolution</b>         | dx, dy = 5mm, dz = 1.4mm | Graded Ratio = 1.5 mm (Z direction) |
| <b>Frequency</b>                    | 3500MHz $\pm$ 1MHz       |                                     |

## Head TSL parameters at 3500 MHz

The following parameters and calculations were applied.

|                                                | Temperature        | Permittivity  | Conductivity        |
|------------------------------------------------|--------------------|---------------|---------------------|
| <b>Nominal Head TSL parameters</b>             | 22.0 °C            | 37.9          | 2.91 mho/m          |
| <b>Measured Head TSL parameters</b>            | (22.0 $\pm$ 0.2)°C | 37.9 $\pm$ 6% | 2.93 mho/m $\pm$ 6% |
| <b>Head TSL temperature change during test</b> | < 0.5 °C           |               |                     |

## SAR result with Head TSL at 3500 MHz

| <b>SAR averaged over 1 cm<sup>3</sup> (1 g) of Head TSL</b> | Condition          |                               |
|-------------------------------------------------------------|--------------------|-------------------------------|
| SAR for nominal Head TSL parameters                         | 20 dBm input power | 6.60 W/kg                     |
| SAR for nominal Head TSL parameters                         | normalized to 1W   | 66.0 W/kg $\pm$ 19.9% (k = 2) |

| <b>SAR averaged over 10 cm<sup>3</sup> (10 g) of Head TSL</b> | Condition          |                               |
|---------------------------------------------------------------|--------------------|-------------------------------|
| SAR for nominal Head TSL parameters                           | 20 dBm input power | 2.50 W/kg                     |
| SAR for nominal Head TSL parameters                           | normalized to 1W   | 25.0 W/kg $\pm$ 19.5% (k = 2) |

**Appendix (Additional assessments outside the scope of SCS 0108)****Antenna Parameters with Head TSL at 3500 MHz**

|             |                                |
|-------------|--------------------------------|
| Impedance   | 54.3 $\Omega$ – 3.5 j $\Omega$ |
| Return Loss | -25.4 dB                       |

**General Antenna Parameters and Design**

|                                  |          |
|----------------------------------|----------|
| Electrical Delay (one direction) | 1.141 ns |
|----------------------------------|----------|

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

**Additional EUT Data**

|                 |       |
|-----------------|-------|
| Manufactured by | SPEAG |
|-----------------|-------|

System Performance Check Report

Summary

| Dipole           | Frequency [MHz] | TSL | Power [dBm] |
|------------------|-----------------|-----|-------------|
| D3500V2 - SN1007 | 3500            | HSL | 20          |

Exposure Conditions

| Phantom Section, TSL | Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|--------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat                 | 10                 |      | CW, 0--    | 3500, 0                         | 6.63              | 2.93                   | 37.9             |

Hardware Setup

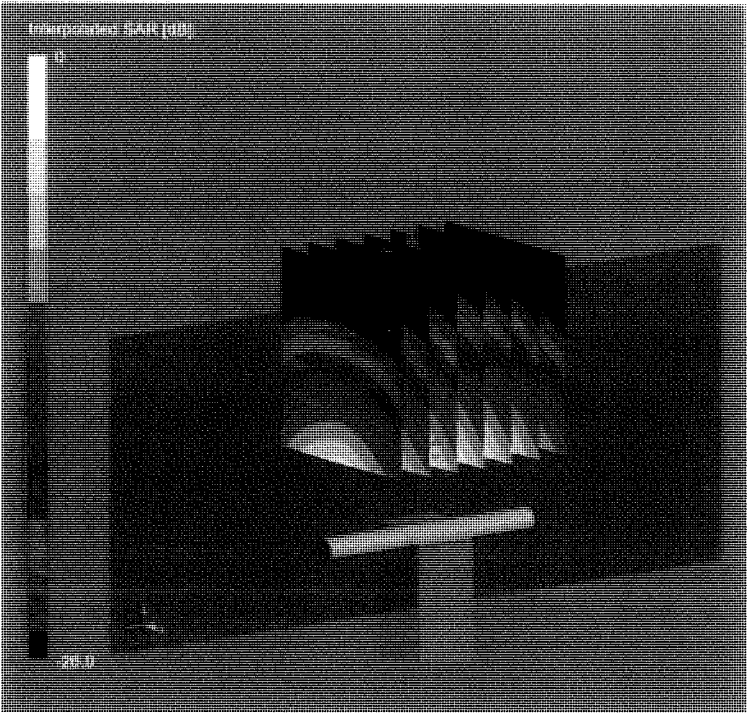
| Phantom         | TSL, Measured Date | Probe, Calibration Date     | DAE, Calibration Date     |
|-----------------|--------------------|-----------------------------|---------------------------|
| MFP V8.0 Center | HSL, 2025-01-15    | EX3DV4 - SN7349, 2025-01-10 | DAE4ip Sn1836, 2024-10-28 |

Scans Setup

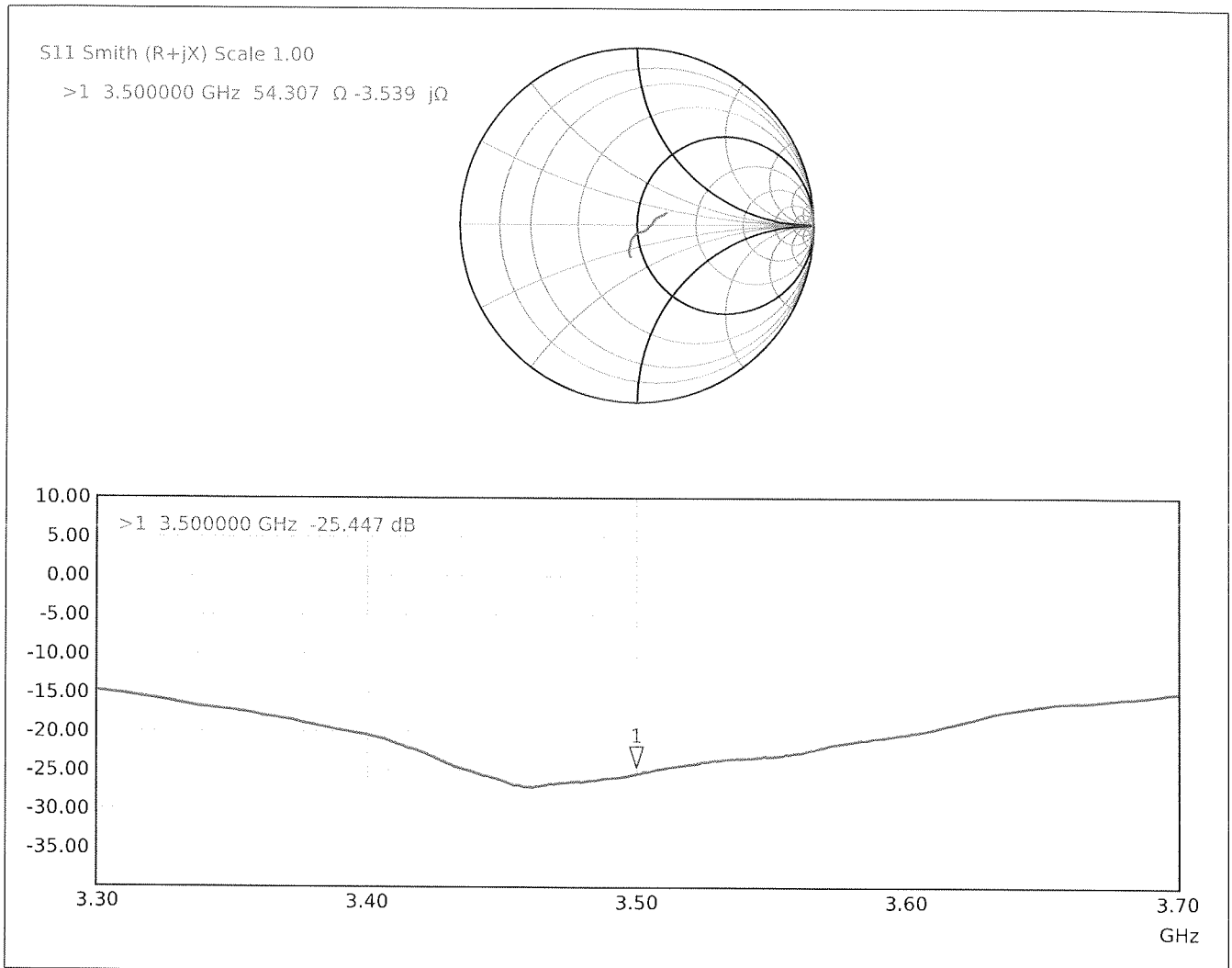
|                     | Zoom Scan       |
|---------------------|-----------------|
| Grid Extents [mm]   | 28 x 28 x 28    |
| Grid Steps [mm]     | 5.0 x 5.0 x 1.4 |
| Sensor Surface [mm] | 1.4             |
| Graded Grid         | Yes             |
| Grading Ratio       | 1.5             |
| MAIA                | N/A             |
| Surface Detection   | VMS + 6p        |
| Scan Method         | Measured        |

Measurement Results

|                     | Zoom Scan           |
|---------------------|---------------------|
| Date                | 2025-01-15          |
| psSAR1g [W/Kg]      | 6.60                |
| psSAR10g [W/Kg]     | 2.50                |
| Power Drift [dB]    | -0.08               |
| Power Scaling       | Disabled            |
| Scaling Factor [dB] |                     |
| TSL Correction      | Positive / Negative |



0 dB = 17.3 W/Kg

**Impedance Measurement Plot for Head TSL**



Accredited by the Swiss Accreditation Service (SAS)  
 The Swiss Accreditation Service is one of the signatories to the EA  
 Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

Client

**B.V. ADT**  
 Taoyuan City

Certificate No.

**D3700V2-1017\_Feb25**

## CALIBRATION CERTIFICATE

Object **D3700V2 - SN: 1017**

Calibration procedure(s) **QA CAL-22.v7**  
**Calibration Procedure for SAR Validation Sources between 3 - 10 GHz**

Calibration date **February 14, 2025**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).  
 The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature  $(22 \pm 3)^\circ\text{C}$  and humidity  $< 70\%$ .

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards                          | ID         | Cal Date (Certificate No.)             | Scheduled Cal |
|--------------------------------------------|------------|----------------------------------------|---------------|
| Power Sensor R&S NRP-33T                   | SN: 100967 | 28-Mar-24 (No. 217-04038)              | Mar-25        |
| Power Sensor R&S NRP18A                    | SN: 101859 | 06-Feb-25 (No. 4030A315009541)         | Feb-26        |
| Spectrum Analyzer R&S FSV40                | SN: 101832 | 29-Jan-25 (No. 4030A315009658)         | Jan-26        |
| Mismatch; Short [S4188] Attenuator [S4423] | SN: 1152   | 28-Mar-24 (No. 217-04050)              | Mar-25        |
| OCP DAK-12                                 | SN: 1016   | 24-Sept-24 (No. OCP-DAK12-1016_Sep24)  | Sep-25        |
| OCP DAK-3.5                                | SN: 1249   | 23-Sept-24 (No. OCP-DAK3.5-1249_Sep24) | Sep-25        |
| Reference Probe EX3DV4                     | SN: 7349   | 10-Jan-25 (No. EX3-7349_Jan25)         | Jan-26        |
| DAE4ip                                     | SN: 1836   | 28-Oct-24 (No. DAE4ip-1836_Oct24)      | Oct-25        |

| Secondary Standards          | ID         | Check Date (in house)                      | Scheduled Check |
|------------------------------|------------|--------------------------------------------|-----------------|
| ACAD Source Box              | SN: 1000   | 28-May-24 (No. 675-ACAD_Source_Box-240528) | May-25          |
| Signal Generator R&S SMB100A | SN: 182081 | 28-May-24 (No. 675-CAL16-S4588-240528)     | May-25          |
| Mismatch; SMA                | SN: 1102   | 22-May-24 (No. 675-Mismatch_SMA-240522)    | May-25          |

|                                                                                                                 | Name       | Function              | Signature |
|-----------------------------------------------------------------------------------------------------------------|------------|-----------------------|-----------|
| Calibrated by                                                                                                   | Paulo Pina | Laboratory Technician |           |
| Approved by                                                                                                     | Sven Kühn  | Technical Manager     |           |
| Issued: February 14, 2025                                                                                       |            |                       |           |
| This calibration certificate shall not be reproduced except in full without written approval of the laboratory. |            |                       |           |



Accredited by the Swiss Accreditation Service (SAS)  
**The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates**

**Accreditation No.: SCS 0108**

## Glossary

TSL tissue simulating liquid  
ConvF sensitivity in TSL / NORM x,y,z  
N/A not applicable or not measured

## Calibration is Performed According to the Following Standards

- IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

## Additional Documentation

- DASY System Handbook

## Methods Applied and Interpretation of Parameters

- *Measurement Conditions*: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL*: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss*: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay*: One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured*: SAR measured at the stated antenna input power.
- *SAR normalized*: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters*: The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor  $k=2$ , which for a normal distribution corresponds to a coverage probability of approximately 95%.

## Measurement Conditions

DASY system configuration, as far as not given on page 1.

|                                     |                          |                                     |
|-------------------------------------|--------------------------|-------------------------------------|
| <b>DASY Version</b>                 | DASY8 Module SAR         | 16.4.0                              |
| <b>Extrapolation</b>                | Advanced Extrapolation   |                                     |
| <b>Phantom</b>                      | Modular Flat Phantom     |                                     |
| <b>Distance Dipole Center - TSL</b> | 10 mm                    | with spacer                         |
| <b>Zoom Scan Resolution</b>         | dx, dy = 5mm, dz = 1.4mm | Graded Ratio = 1.5 mm (Z direction) |
| <b>Frequency</b>                    | 3700MHz $\pm$ 1MHz       |                                     |

## Head TSL parameters at 3700 MHz

The following parameters and calculations were applied.

|                                                | Temperature        | Permittivity  | Conductivity        |
|------------------------------------------------|--------------------|---------------|---------------------|
| <b>Nominal Head TSL parameters</b>             | 22.0 °C            | 37.7          | 3.12 mho/m          |
| <b>Measured Head TSL parameters</b>            | (22.0 $\pm$ 0.2)°C | 37.5 $\pm$ 6% | 3.08 mho/m $\pm$ 6% |
| <b>Head TSL temperature change during test</b> | < 0.5 °C           |               |                     |

## SAR result with Head TSL at 3700 MHz

| <b>SAR averaged over 1 cm<sup>3</sup> (1 g) of Head TSL</b> | Condition          |                               |
|-------------------------------------------------------------|--------------------|-------------------------------|
| SAR for nominal Head TSL parameters                         | 20 dBm input power | 6.80 W/kg                     |
| SAR for nominal Head TSL parameters                         | normalized to 1W   | 68.0 W/kg $\pm$ 19.9% (k = 2) |

| <b>SAR averaged over 10 cm<sup>3</sup> (10 g) of Head TSL</b> | Condition          |                               |
|---------------------------------------------------------------|--------------------|-------------------------------|
| SAR for nominal Head TSL parameters                           | 20 dBm input power | 2.51 W/kg                     |
| SAR for nominal Head TSL parameters                           | normalized to 1W   | 25.1 W/kg $\pm$ 19.5% (k = 2) |

**Appendix (Additional assessments outside the scope of SCS 0108)****Antenna Parameters with Head TSL at 3700 MHz**

|             |                                |
|-------------|--------------------------------|
| Impedance   | 53.0 $\Omega$ – 7.1 j $\Omega$ |
| Return Loss | -22.5 dB                       |

**General Antenna Parameters and Design**

|                                  |          |
|----------------------------------|----------|
| Electrical Delay (one direction) | 1.139 ns |
|----------------------------------|----------|

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

**Additional EUT Data**

|                 |       |
|-----------------|-------|
| Manufactured by | SPEAG |
|-----------------|-------|

System Performance Check Report

Summary

| Dipole           | Frequency [MHz] | TSL | Power [dBm] |
|------------------|-----------------|-----|-------------|
| D3700V2 - SN1017 | 3700            | HSL | 20          |

Exposure Conditions

| Phantom Section, TSL | Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|--------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat                 | 10                 |      | CW, 0--    | 3700, 0                         | 6.45              | 3.08                   | 37.5             |

Hardware Setup

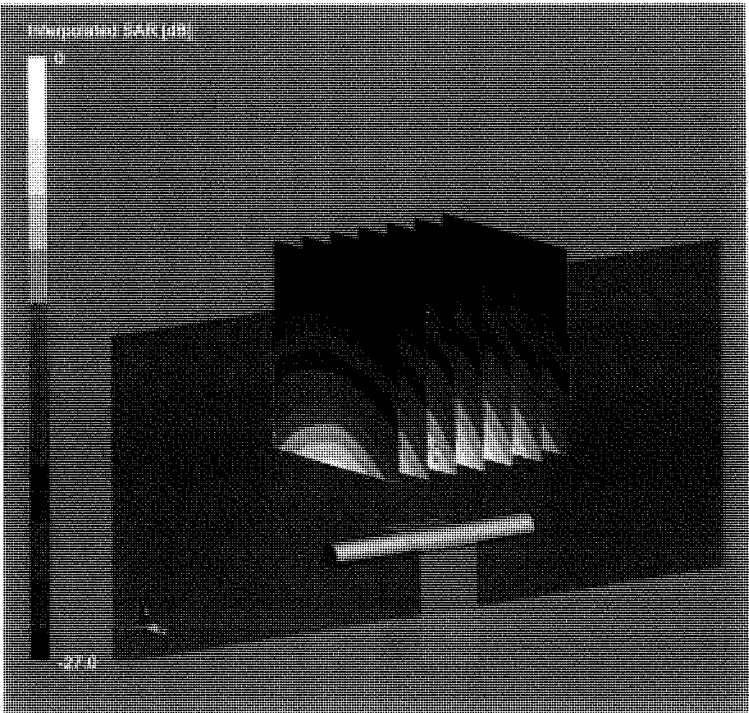
| Phantom         | TSL, Measured Date | Probe, Calibration Date     | DAE, Calibration Date     |
|-----------------|--------------------|-----------------------------|---------------------------|
| MFP V8.0 Center | HSL, 2025-02-14    | EX3DV4 - SN7349, 2025-01-10 | DAE4ip Sn1836, 2024-10-28 |

Scans Setup

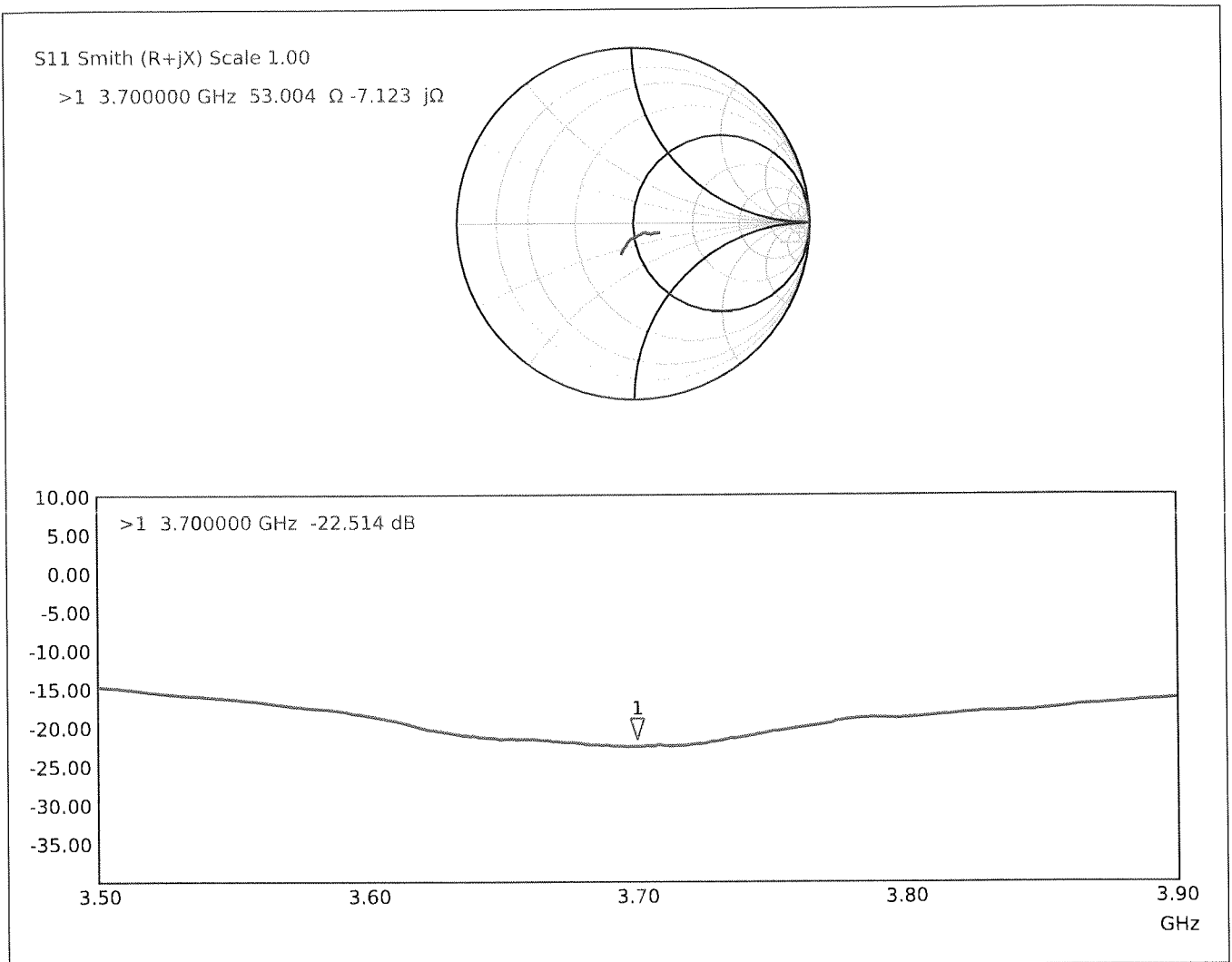
|                     | Zoom Scan       |
|---------------------|-----------------|
| Grid Extents [mm]   | 28 x 28 x 28    |
| Grid Steps [mm]     | 5.0 x 5.0 x 1.4 |
| Sensor Surface [mm] | 1.4             |
| Graded Grid         | Yes             |
| Grading Ratio       | 1.5             |
| MAIA                | N/A             |
| Surface Detection   | VMS + 6p        |
| Scan Method         | Measured        |

Measurement Results

|                     | Zoom Scan           |
|---------------------|---------------------|
| Date                | 2025-02-14          |
| psSAR1g [W/Kg]      | 6.80                |
| psSAR10g [W/Kg]     | 2.51                |
| Power Drift [dB]    | -0.08               |
| Power Scaling       | Disabled            |
| Scaling Factor [dB] |                     |
| TSL Correction      | Positive / Negative |



0 dB = 18.4 W/Kg

**Impedance Measurement Plot for Head TSL**



Accredited by the Swiss Accreditation Service (SAS)  
The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client

B.V. ADT  
Taoyuan City

Certificate No.

D3900V2-1020\_Feb25

## CALIBRATION CERTIFICATE

Object D3900V2 - SN: 1020

Calibration procedure(s) QA CAL-22.v7  
Calibration Procedure for SAR Validation Sources between 3 - 10 GHz

Calibration date February 14, 2025

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).  
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature  $(22 \pm 3)^\circ\text{C}$  and humidity  $< 70\%$ .

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards                          | ID         | Cal Date (Certificate No.)             | Scheduled Cal |
|--------------------------------------------|------------|----------------------------------------|---------------|
| Power Sensor R&S NRP-33T                   | SN: 100967 | 28-Mar-24 (No. 217-04038)              | Mar-25        |
| Power Sensor R&S NRP18A                    | SN: 101859 | 06-Feb-25 (No. 4030A315009541)         | Feb-26        |
| Spectrum Analyzer R&S FSV40                | SN: 101832 | 29-Jan-25 (No. 4030A315009658)         | Jan-26        |
| Mismatch; Short [S4188] Attenuator [S4423] | SN: 1152   | 28-Mar-24 (No. 217-04050)              | Mar-25        |
| OCP DAK-12                                 | SN: 1016   | 24-Sept-24 (No. OCP-DAK12-1016_Sep24)  | Sep-25        |
| OCP DAK-3.5                                | SN: 1249   | 23-Sept-24 (No. OCP-DAK3.5-1249_Sep24) | Sep-25        |
| Reference Probe EX3DV4                     | SN: 7349   | 10-Jan-25 (No. EX3-7349_Jan25)         | Jan-26        |
| DAE4ip                                     | SN: 1836   | 28-Oct-24 (No. DAE4ip-1836_Oct24)      | Oct-25        |

| Secondary Standards          | ID         | Check Date (in house)                      | Scheduled Check |
|------------------------------|------------|--------------------------------------------|-----------------|
| ACAD Source Box              | SN: 1000   | 28-May-24 (No. 675-ACAD_Source_Box-240528) | May-25          |
| Signal Generator R&S SMB100A | SN: 182081 | 28-May-24 (No. 675-CAL16-S4588-240528)     | May-25          |
| Mismatch; SMA                | SN: 1102   | 22-May-24 (No. 675-Mismatch_SMA-240522)    | May-25          |

|                                                                                                                 | Name       | Function              | Signature |
|-----------------------------------------------------------------------------------------------------------------|------------|-----------------------|-----------|
| Calibrated by                                                                                                   | Paulo Pina | Laboratory Technician |           |
| Approved by                                                                                                     | Sven Kühn  | Technical Manager     |           |
| Issued: February 14, 2025                                                                                       |            |                       |           |
| This calibration certificate shall not be reproduced except in full without written approval of the laboratory. |            |                       |           |



Accredited by the Swiss Accreditation Service (SAS)

**The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates**

**Accreditation No.: SCS 0108**

## Glossary

|       |                                 |
|-------|---------------------------------|
| TSL   | tissue simulating liquid        |
| ConvF | sensitivity in TSL / NORM x,y,z |
| N/A   | not applicable or not measured  |

## Calibration is Performed According to the Following Standards

- IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

## Additional Documentation

- DASY System Handbook

## Methods Applied and Interpretation of Parameters

- *Measurement Conditions*: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL*: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss*: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay*: One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured*: SAR measured at the stated antenna input power.
- *SAR normalized*: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters*: The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor  $k=2$ , which for a normal distribution corresponds to a coverage probability of approximately 95%.

## Measurement Conditions

DASY system configuration, as far as not given on page 1.

|                                     |                                          |                                     |
|-------------------------------------|------------------------------------------|-------------------------------------|
| <b>DASY Version</b>                 | DASY8 Module SAR                         | 16.4.0                              |
| <b>Extrapolation</b>                | Advanced Extrapolation                   |                                     |
| <b>Phantom</b>                      | Modular Flat Phantom                     |                                     |
| <b>Distance Dipole Center - TSL</b> | 10 mm                                    | with spacer                         |
| <b>Zoom Scan Resolution</b>         | dx, dy = 5mm, dz = 1.4mm                 | Graded Ratio = 1.5 mm (Z direction) |
| <b>Frequency</b>                    | 3900MHz $\pm$ 1MHz<br>4100MHz $\pm$ 1MHz |                                     |

## Head TSL parameters at 3900 MHz

The following parameters and calculations were applied.

|                                                | Temperature        | Permittivity  | Conductivity        |
|------------------------------------------------|--------------------|---------------|---------------------|
| <b>Nominal Head TSL parameters</b>             | 22.0 °C            | 37.5          | 3.32 mho/m          |
| <b>Measured Head TSL parameters</b>            | (22.0 $\pm$ 0.2)°C | 37.3 $\pm$ 6% | 3.25 mho/m $\pm$ 6% |
| <b>Head TSL temperature change during test</b> | < 0.5 °C           |               |                     |

## SAR result with Head TSL at 3900 MHz

| <b>SAR averaged over 1 cm<sup>3</sup> (1 g) of Head TSL</b> | Condition          |                               |
|-------------------------------------------------------------|--------------------|-------------------------------|
| SAR for nominal Head TSL parameters                         | 20 dBm input power | 6.88 W/kg                     |
| SAR for nominal Head TSL parameters                         | normalized to 1W   | 68.8 W/kg $\pm$ 19.9% (k = 2) |

| <b>SAR averaged over 10 cm<sup>3</sup> (10 g) of Head TSL</b> | Condition          |                               |
|---------------------------------------------------------------|--------------------|-------------------------------|
| SAR for nominal Head TSL parameters                           | 20 dBm input power | 2.41 W/kg                     |
| SAR for nominal Head TSL parameters                           | normalized to 1W   | 24.1 W/kg $\pm$ 19.5% (k = 2) |

### Head TSL parameters at 4100 MHz

The following parameters and calculations were applied.

|                                         | Temperature   | Permittivity | Conductivity   |
|-----------------------------------------|---------------|--------------|----------------|
| Nominal Head TSL parameters             | 22.0 °C       | 37.2         | 3.53 mho/m     |
| Measured Head TSL parameters            | (22.0 ±0.2)°C | 37.0 ±6%     | 3.43 mho/m ±6% |
| Head TSL temperature change during test | < 0.5 °C      |              |                |

### SAR result with Head TSL at 4100 MHz

| SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL | Condition          |                          |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR for nominal Head TSL parameters                   | 20 dBm input power | 6.73 W/kg                |
| SAR for nominal Head TSL parameters                   | normalized to 1W   | 67.3 W/kg ±19.9% (k = 2) |

| SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL | Condition          |                          |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR for nominal Head TSL parameters                     | 20 dBm input power | 2.34 W/kg                |
| SAR for nominal Head TSL parameters                     | normalized to 1W   | 23.4 W/kg ±19.5% (k = 2) |

**Appendix (Additional assessments outside the scope of SCS 0108)****Antenna Parameters with Head TSL at 3900 MHz**

|             |                                |
|-------------|--------------------------------|
| Impedance   | 46.6 $\Omega$ – 2.1 j $\Omega$ |
| Return Loss | -27.7 dB                       |

**Antenna Parameters with Head TSL at 4100 MHz**

|             |                                |
|-------------|--------------------------------|
| Impedance   | 55.0 $\Omega$ – 0.8 j $\Omega$ |
| Return Loss | -26.3 dB                       |

**General Antenna Parameters and Design**

|                                  |          |
|----------------------------------|----------|
| Electrical Delay (one direction) | 1.104 ns |
|----------------------------------|----------|

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

**Additional EUT Data**

|                 |       |
|-----------------|-------|
| Manufactured by | SPEAG |
|-----------------|-------|

System Performance Check Report

Summary

| Dipole           | Frequency [MHz] | TSL | Power [dBm] |
|------------------|-----------------|-----|-------------|
| D3900V2 - SN1020 | 3900            | HSL | 20          |

Exposure Conditions

| Phantom Section, TSL | Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|--------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat                 | 10                 |      | CW, 0--    | 3900, 0                         | 6.37              | 3.25                   | 37.3             |

Hardware Setup

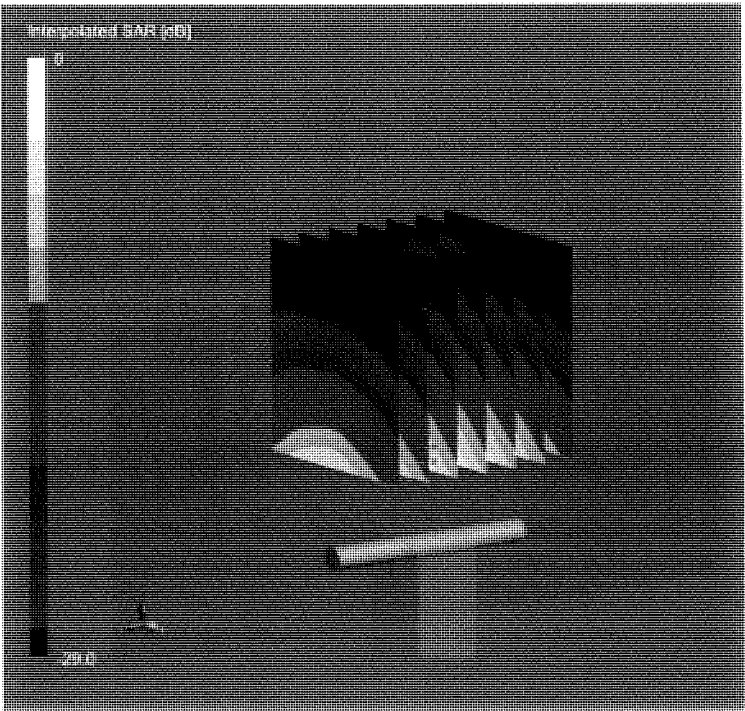
| Phantom         | TSL, Measured Date | Probe, Calibration Date     | DAE, Calibration Date     |
|-----------------|--------------------|-----------------------------|---------------------------|
| MFP V8.0 Center | HSL, 2025-02-14    | EX3DV4 - SN7349, 2025-01-10 | DAE4ip Sn1836, 2024-10-28 |

Scans Setup

|                     | Zoom Scan       |
|---------------------|-----------------|
| Grid Extents [mm]   | 28 x 28 x 28    |
| Grid Steps [mm]     | 5.0 x 5.0 x 1.4 |
| Sensor Surface [mm] | 1.4             |
| Graded Grid         | Yes             |
| Grading Ratio       | 1.5             |
| MAIA                | N/A             |
| Surface Detection   | VMS + 6p        |
| Scan Method         | Measured        |

Measurement Results

|                     | Zoom Scan           |
|---------------------|---------------------|
| Date                | 2025-02-14          |
| psSAR1g [W/Kg]      | 6.88                |
| psSAR10g [W/Kg]     | 2.41                |
| Power Drift [dB]    | -0.02               |
| Power Scaling       | Disabled            |
| Scaling Factor [dB] |                     |
| TSL Correction      | Positive / Negative |



0 dB = 19.6 W/Kg

System Performance Check Report

Summary

| Dipole           | Frequency [MHz] | TSL | Power [dBm] |
|------------------|-----------------|-----|-------------|
| D3900V2 - SN1020 | 4100            | HSL | 20          |

Exposure Conditions

| Phantom Section, TSL | Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|--------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat                 | 10                 |      | CW, 0--    | 4100, 0                         | 6.39              | 3.43                   | 37.0             |

Hardware Setup

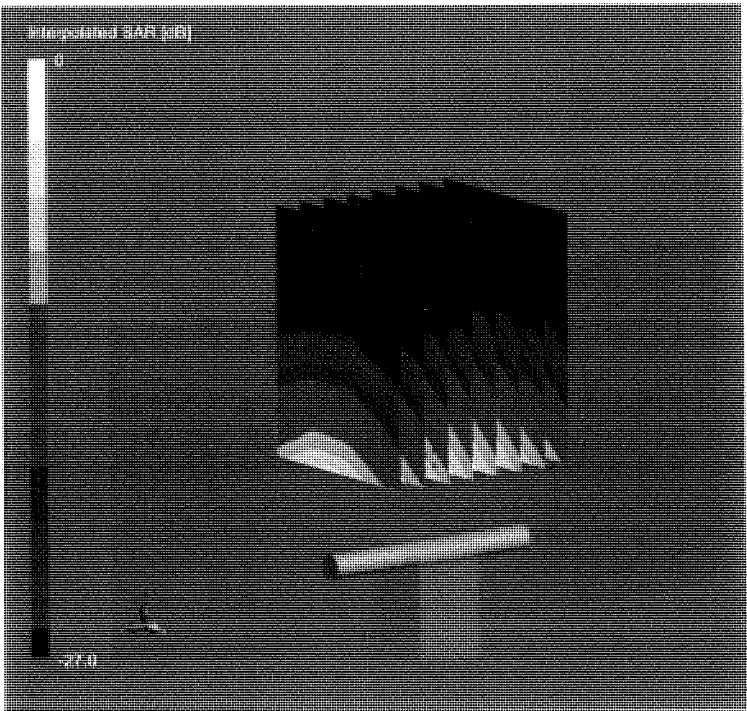
| Phantom         | TSL, Measured Date | Probe, Calibration Date     | DAE, Calibration Date     |
|-----------------|--------------------|-----------------------------|---------------------------|
| MFP V8.0 Center | HSL, 2025-02-14    | EX3DV4 - SN7349, 2025-01-10 | DAE4ip Sn1836, 2024-10-28 |

Scans Setup

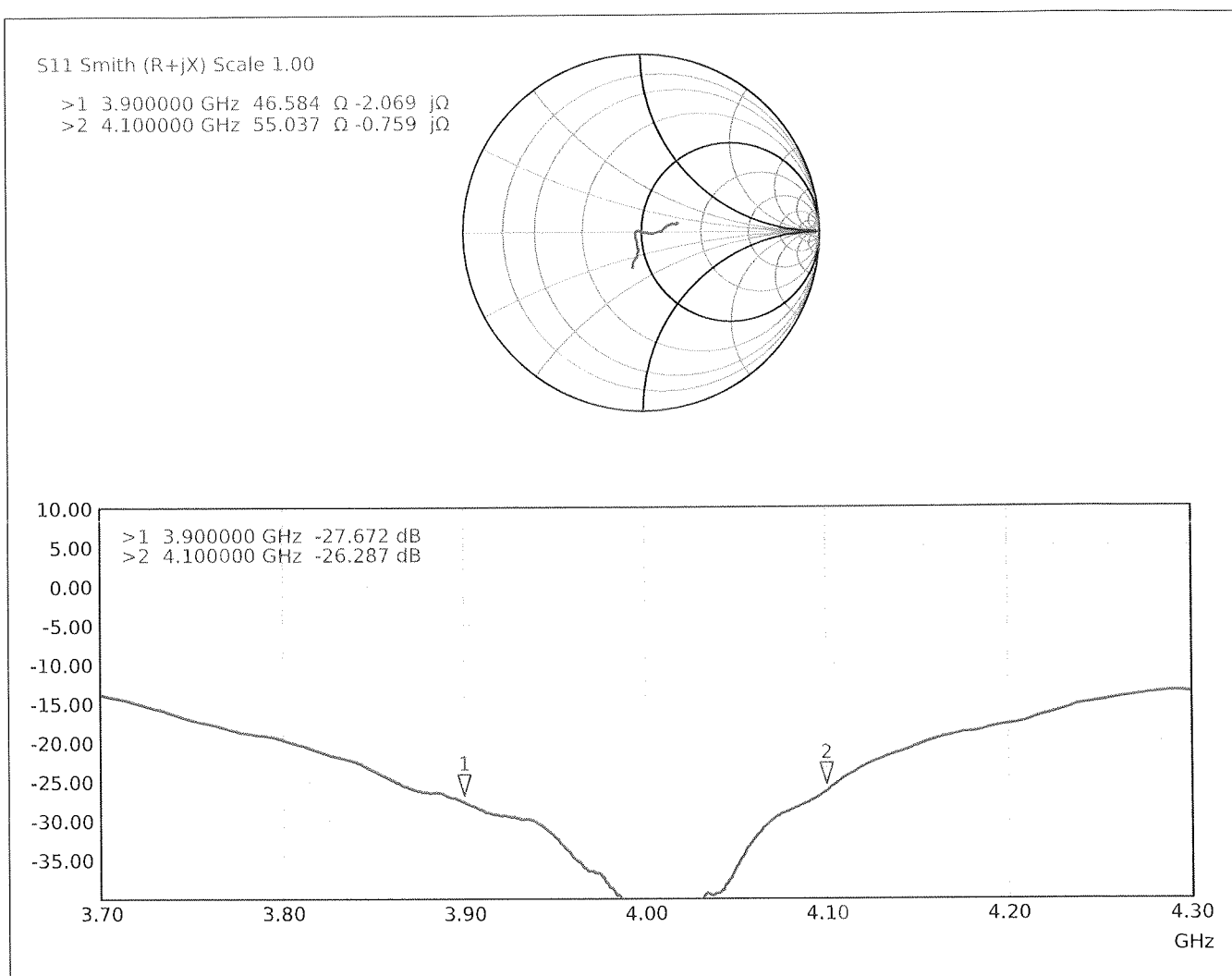
|                     | Zoom Scan       |
|---------------------|-----------------|
| Grid Extents [mm]   | 25 x 25 x 25    |
| Grid Steps [mm]     | 4.0 x 4.0 x 1.4 |
| Sensor Surface [mm] | 1.4             |
| Graded Grid         | Yes             |
| Grading Ratio       | 1.4             |
| MAIA                | N/A             |
| Surface Detection   | VMS + 6p        |
| Scan Method         | Measured        |

Measurement Results

|                     | Zoom Scan           |
|---------------------|---------------------|
| Date                | 2025-02-14          |
| psSAR1g [W/Kg]      | 6.73                |
| psSAR10g [W/Kg]     | 2.34                |
| Power Drift [dB]    | 0.00                |
| Power Scaling       | Disabled            |
| Scaling Factor [dB] |                     |
| TSL Correction      | Positive / Negative |



0 dB = 19.7 W/Kg

**Impedance Measurement Plot for Head TSL**



Accredited by the Swiss Accreditation Service (SAS)  
The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client

B.V. ADT  
Taoyuan City

Certificate No.

EX-7720\_Mar25

## CALIBRATION CERTIFICATE

Object EX3DV4 - SN:7720

Calibration procedure(s) QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6,  
QA CAL-25.v8  
Calibration procedure for dosimetric E-field probes

Calibration date March 18, 2025

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).  
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature  $(22 \pm 3)^\circ\text{C}$  and humidity  $< 70\%$ .

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards                    | ID         | Calibration Date (Certificate No.)     | Sched. Cal. |
|--------------------------------------|------------|----------------------------------------|-------------|
| Power Sensor R&S NRP-33T             | SN: 100967 | 28-Mar-24 (No. 217-04038)              | Mar-25      |
| Short [S6019i] + Attenuator [S6020i] | SN: L1119  | 26-Mar-24 (No. 217-04048)              | Mar-25      |
| OCP DAK-12                           | SN: 1016   | 24-Sept-24 (No. OCP-DAK12-1016_Sep24)  | Sep-25      |
| OCP DAK-3.5                          | SN: 1249   | 23-Sept-24 (No. OCP-DAK3.5-1249_Sep24) | Sep-25      |
| Reference Probe EX3DV4               | SN: 7349   | 10-Jan-25 (No. EX3-7349_Jan25)         | Jan-26      |
| DAE4                                 | SN: 1301   | 07-Nov-24 (No. DAE4-1301_Nov24)        | Nov-25      |

| Secondary Standards       | ID        | Check Date (in house)                            | Sched. Check |
|---------------------------|-----------|--------------------------------------------------|--------------|
| ACAP 2020 Calibration Box | SN: L1404 | 30-Sept-24 (No. Report_ACAP2020E-Cave_20240930s) | Sep-25       |

|               | Name               | Function              | Signature |
|---------------|--------------------|-----------------------|-----------|
| Calibrated by | Aidonia Georgiadou | Laboratory Technician |           |
| Approved by   | Sven Kühn          | Technical Manager     |           |

Issued: March 19, 2025

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

## Calibration Laboratory of

Schmid & Partner  
Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland



**S** Schweizerischer Kalibrierdienst  
**C** Service suisse d'étalonnage  
**S** Servizio svizzero di taratura  
**S** Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

## Glossary

|                          |                                                                                                                                                      |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| TSL                      | tissue simulating liquid                                                                                                                             |
| NORM <sub>x,y,z</sub>    | sensitivity in free space                                                                                                                            |
| ConvF                    | sensitivity in TSL / NORM <sub>x,y,z</sub>                                                                                                           |
| DCP                      | diode compression point                                                                                                                              |
| CF                       | crest factor (1/duty_cycle) of the RF signal                                                                                                         |
| A, B, C, D               | modulation dependent linearization parameters                                                                                                        |
| Polarization $\varphi$   | $\varphi$ rotation around probe axis                                                                                                                 |
| Polarization $\vartheta$ | $\vartheta$ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is normal to probe axis |
| Connector Angle          | information used in DASY system to align probe sensor X to the robot coordinate system                                                               |

## Calibration is Performed According to the Following Standards:

- IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices – Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

## Methods Applied and Interpretation of Parameters:

- NORM<sub>x,y,z</sub>**: Assessed for E-field polarization  $\vartheta = 0$  ( $f \leq 900$  MHz in TEM-cell;  $f > 1800$  MHz: R22 waveguide). NORM<sub>x,y,z</sub> are only intermediate values, i.e., the uncertainties of NORM<sub>x,y,z</sub> does not affect the E<sup>2</sup>-field uncertainty inside TSL (see below ConvF).
- NORM(f)<sub>x,y,z</sub>** = NORM<sub>x,y,z</sub> \* frequency\_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCP<sub>x,y,z</sub>**: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- PAR**: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- A<sub>x,y,z</sub>; B<sub>x,y,z</sub>; C<sub>x,y,z</sub>; D<sub>x,y,z</sub>; VR<sub>x,y,z</sub>**: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters**: Assessed in flat phantom using E-field (or Temperature Transfer Standard for  $f \leq 800$  MHz) and inside waveguide using analytical field distributions based on power measurements for  $f > 800$  MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORM<sub>x,y,z</sub> \* ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from  $\pm 50$  MHz to  $\pm 100$  MHz.
- Spherical isotropy (3D deviation from isotropy)**: in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset**: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle**: The angle is assessed using the information gained by determining the NORM<sub>x</sub> (no uncertainty required).

## Parameters of Probe: EX3DV4 - SN:7720

### Basic Calibration Parameters

|                                                           | Sensor X | Sensor Y | Sensor Z | Unc ( $k = 2$ ) |
|-----------------------------------------------------------|----------|----------|----------|-----------------|
| Norm ( $\mu\text{V}/(\text{V}/\text{m})^2$ ) <sup>A</sup> | 0.57     | 0.60     | 0.63     | $\pm 10.1\%$    |
| DCP (mV) <sup>B</sup>                                     | 106.7    | 103.7    | 104.1    | $\pm 4.7\%$     |

### Calibration Results for Modulation Response

| UID   | Communication System Name   |   | A<br>dB | B<br>$\text{dB}\sqrt{\mu\text{V}}$ | C     | D<br>dB | VR<br>mV | Max<br>dev. | Max<br>Unc <sup>E</sup><br>$k = 2$ |
|-------|-----------------------------|---|---------|------------------------------------|-------|---------|----------|-------------|------------------------------------|
| 0     | CW                          | X | 0.00    | 0.00                               | 1.00  | 0.00    | 140.8    | $\pm 2.4\%$ | $\pm 4.7\%$                        |
|       |                             | Y | 0.00    | 0.00                               | 1.00  |         | 148.2    |             |                                    |
|       |                             | Z | 0.00    | 0.00                               | 1.00  |         | 142.6    |             |                                    |
| 10352 | Pulse Waveform (200Hz, 10%) | X | 1.62    | 61.02                              | 6.57  | 10.00   | 60.0     | $\pm 3.3\%$ | $\pm 9.6\%$                        |
|       |                             | Y | 1.52    | 60.58                              | 6.37  |         | 60.0     |             |                                    |
|       |                             | Z | 2.00    | 62.00                              | 7.00  |         | 60.0     |             |                                    |
| 10353 | Pulse Waveform (200Hz, 20%) | X | 46.00   | 80.00                              | 11.00 | 6.99    | 80.0     | $\pm 2.2\%$ | $\pm 9.6\%$                        |
|       |                             | Y | 8.00    | 72.00                              | 9.00  |         | 80.0     |             |                                    |
|       |                             | Z | 20.00   | 74.00                              | 9.00  |         | 80.0     |             |                                    |
| 10354 | Pulse Waveform (200Hz, 40%) | X | 24.00   | 72.00                              | 7.00  | 3.98    | 95.0     | $\pm 2.3\%$ | $\pm 9.6\%$                        |
|       |                             | Y | 0.00    | 122.59                             | 0.67  |         | 95.0     |             |                                    |
|       |                             | Z | 0.04    | 129.54                             | 0.57  |         | 95.0     |             |                                    |
| 10355 | Pulse Waveform (200Hz, 60%) | X | 9.49    | 119.84                             | 1.89  | 2.22    | 120.0    | $\pm 1.5\%$ | $\pm 9.6\%$                        |
|       |                             | Y | 16.57   | 124.76                             | 11.15 |         | 120.0    |             |                                    |
|       |                             | Z | 6.56    | 159.93                             | 16.97 |         | 120.0    |             |                                    |
| 10387 | QPSK Waveform, 1 MHz        | X | 0.56    | 65.72                              | 14.05 | 1.00    | 150.0    | $\pm 3.5\%$ | $\pm 9.6\%$                        |
|       |                             | Y | 0.61    | 63.70                              | 12.26 |         | 150.0    |             |                                    |
|       |                             | Z | 0.49    | 62.48                              | 11.89 |         | 150.0    |             |                                    |
| 10388 | QPSK Waveform, 10 MHz       | X | 1.42    | 67.76                              | 14.76 | 0.00    | 150.0    | $\pm 1.0\%$ | $\pm 9.6\%$                        |
|       |                             | Y | 1.38    | 65.38                              | 13.78 |         | 150.0    |             |                                    |
|       |                             | Z | 1.27    | 65.17                              | 13.51 |         | 150.0    |             |                                    |
| 10396 | 64-QAM Waveform, 100 kHz    | X | 1.75    | 65.21                              | 16.20 | 3.01    | 150.0    | $\pm 1.1\%$ | $\pm 9.6\%$                        |
|       |                             | Y | 1.66    | 63.98                              | 15.61 |         | 150.0    |             |                                    |
|       |                             | Z | 1.59    | 63.52                              | 15.51 |         | 150.0    |             |                                    |
| 10399 | 64-QAM Waveform, 40 MHz     | X | 2.84    | 66.97                              | 15.47 | 0.00    | 150.0    | $\pm 1.7\%$ | $\pm 9.6\%$                        |
|       |                             | Y | 2.87    | 66.04                              | 14.99 |         | 150.0    |             |                                    |
|       |                             | Z | 2.76    | 65.92                              | 14.93 |         | 150.0    |             |                                    |
| 10414 | WLAN CCDF, 64-QAM, 40 MHz   | X | 3.75    | 66.49                              | 15.47 | 0.00    | 150.0    | $\pm 2.9\%$ | $\pm 9.6\%$                        |
|       |                             | Y | 3.89    | 65.74                              | 15.20 |         | 150.0    |             |                                    |
|       |                             | Z | 3.87    | 66.33                              | 15.43 |         | 150.0    |             |                                    |

Note: For details on UID parameters see Appendix

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor  $k=2$ , which for a normal distribution corresponds to a coverage probability of approximately 95%.

<sup>A</sup> The uncertainties of Norm X,Y,Z do not affect the  $E^2$ -field uncertainty inside TSL (see Pages 5 and 6).

<sup>B</sup> Linearization parameter uncertainty for maximum specified field strength.

<sup>E</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

## Parameters of Probe: EX3DV4 - SN:7720

### Sensor Model Parameters

|   | C1<br>fF | C2<br>fF | $\alpha$<br>$V^{-1}$ | T1<br>$ms V^{-2}$ | T2<br>$ms V^{-1}$ | T3<br>ms | T4<br>$V^{-2}$ | T5<br>$V^{-1}$ | T6   |
|---|----------|----------|----------------------|-------------------|-------------------|----------|----------------|----------------|------|
| x | 8.2      | 58.53    | 32.58                | 3.31              | 0.00              | 4.90     | 0.55           | 0.00           | 1.00 |
| y | 10.9     | 80.06    | 34.11                | 1.19              | 0.00              | 4.90     | 0.41           | 0.00           | 1.00 |
| z | 9.2      | 67.49    | 34.09                | 1.87              | 0.00              | 4.90     | 0.28           | 0.00           | 1.00 |

### Other Probe Parameters

|                                               |            |
|-----------------------------------------------|------------|
| Sensor Arrangement                            | Triangular |
| Connector Angle                               | -71.5°     |
| Mechanical Surface Detection Mode             | enabled    |
| Optical Surface Detection Mode                | disabled   |
| Probe Overall Length                          | 337 mm     |
| Probe Body Diameter                           | 10 mm      |
| Tip Length                                    | 9 mm       |
| Tip Diameter                                  | 2.5 mm     |
| Probe Tip to Sensor X Calibration Point       | 1 mm       |
| Probe Tip to Sensor Y Calibration Point       | 1 mm       |
| Probe Tip to Sensor Z Calibration Point       | 1 mm       |
| Recommended Measurement Distance from Surface | 1.4 mm     |

**Note:** Measurement distance from surface can be increased to 3–4 mm for an *Area Scan* job.

## Parameters of Probe: EX3DV4 - SN:7720

### Calibration Parameter Determined in HSL

| f (MHz) <sup>C</sup> | Relative Permittivity <sup>F</sup> | Conductivity <sup>F</sup> (S/m) | ConvF X | ConvF Y | ConvF Z | Alpha <sup>G</sup> | Depth <sup>G</sup> (mm) | Unc <sup>H</sup> (k = 2) |
|----------------------|------------------------------------|---------------------------------|---------|---------|---------|--------------------|-------------------------|--------------------------|
| 750                  | 41.9                               | 0.89                            | 8.88    | 9.60    | 8.66    | 0.35               | 1.27                    | ±11.0%                   |
| 835                  | 41.5                               | 0.90                            | 8.59    | 9.29    | 8.37    | 0.35               | 1.27                    | ±11.0%                   |
| 1750                 | 40.1                               | 1.37                            | 7.47    | 8.08    | 7.28    | 0.34               | 1.27                    | ±11.0%                   |
| 1900                 | 40.0                               | 1.40                            | 7.01    | 7.58    | 6.83    | 0.34               | 1.27                    | ±11.0%                   |
| 2000                 | 40.0                               | 1.40                            | 7.00    | 7.57    | 6.82    | 0.34               | 1.27                    | ±11.0%                   |
| 2300                 | 39.5                               | 1.67                            | 6.87    | 7.43    | 6.70    | 0.34               | 1.27                    | ±11.0%                   |
| 2450                 | 39.2                               | 1.80                            | 6.76    | 7.31    | 6.59    | 0.34               | 1.27                    | ±11.0%                   |
| 2600                 | 39.0                               | 1.96                            | 6.62    | 7.16    | 6.45    | 0.34               | 1.27                    | ±11.0%                   |
| 3300                 | 38.2                               | 2.71                            | 6.23    | 6.73    | 6.07    | 0.34               | 1.27                    | ±13.1%                   |
| 3500                 | 37.9                               | 2.91                            | 6.18    | 6.68    | 6.02    | 0.34               | 1.27                    | ±13.1%                   |
| 3700                 | 37.7                               | 3.12                            | 6.00    | 6.49    | 5.85    | 0.34               | 1.27                    | ±13.1%                   |
| 3900                 | 37.5                               | 3.32                            | 6.05    | 6.54    | 5.90    | 0.34               | 1.27                    | ±13.1%                   |
| 4100                 | 37.2                               | 3.53                            | 5.94    | 6.42    | 5.79    | 0.34               | 1.27                    | ±13.1%                   |
| 4200                 | 37.1                               | 3.63                            | 5.95    | 6.43    | 5.80    | 0.34               | 1.27                    | ±13.1%                   |
| 4400                 | 36.9                               | 3.84                            | 5.90    | 6.38    | 5.75    | 0.34               | 1.27                    | ±13.1%                   |
| 4600                 | 36.7                               | 4.04                            | 5.86    | 6.34    | 5.72    | 0.34               | 1.27                    | ±13.1%                   |
| 4800                 | 36.4                               | 4.25                            | 5.93    | 6.41    | 5.78    | 0.34               | 1.27                    | ±13.1%                   |
| 4950                 | 36.3                               | 4.40                            | 5.77    | 6.24    | 5.62    | 0.33               | 1.27                    | ±13.1%                   |
| 5250                 | 35.9                               | 4.71                            | 5.42    | 5.87    | 5.29    | 0.30               | 1.27                    | ±13.1%                   |
| 5600                 | 35.5                               | 5.07                            | 5.04    | 5.45    | 4.91    | 0.27               | 1.27                    | ±13.1%                   |
| 5800                 | 35.3                               | 5.27                            | 4.83    | 5.22    | 4.71    | 0.26               | 1.27                    | ±13.1%                   |

<sup>C</sup> Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4–9 MHz, and ConvF assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ±110 MHz.

<sup>F</sup> The probes are calibrated using tissue simulating liquids (TSL) that deviate for  $\epsilon$  and  $\sigma$  by less than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10% if SAR correction is applied.

<sup>G</sup> Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz and below ±2% for frequencies between 3–6 GHz at any distance larger than half the probe tip diameter from the boundary.

<sup>H</sup> The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. This is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528:2020.

## Parameters of Probe: EX3DV4 - SN:7720

### Calibration Parameter Determined in HSL

| f (MHz) <sup>C</sup> | Relative Permittivity <sup>F</sup> | Conductivity <sup>F</sup> (S/m) | ConvF X | ConvF Y | ConvF Z | Alpha <sup>G</sup> | Depth <sup>G</sup> (mm) | Unc <sup>H</sup> (k = 2) |
|----------------------|------------------------------------|---------------------------------|---------|---------|---------|--------------------|-------------------------|--------------------------|
| 6500                 | 34.5                               | 6.07                            | 5.13    | 5.55    | 5.00    | 0.20               | 1.27                    | ±18.6%                   |

<sup>C</sup> Frequency validity at 6.5 GHz is -600/+700 MHz, and ±700 MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

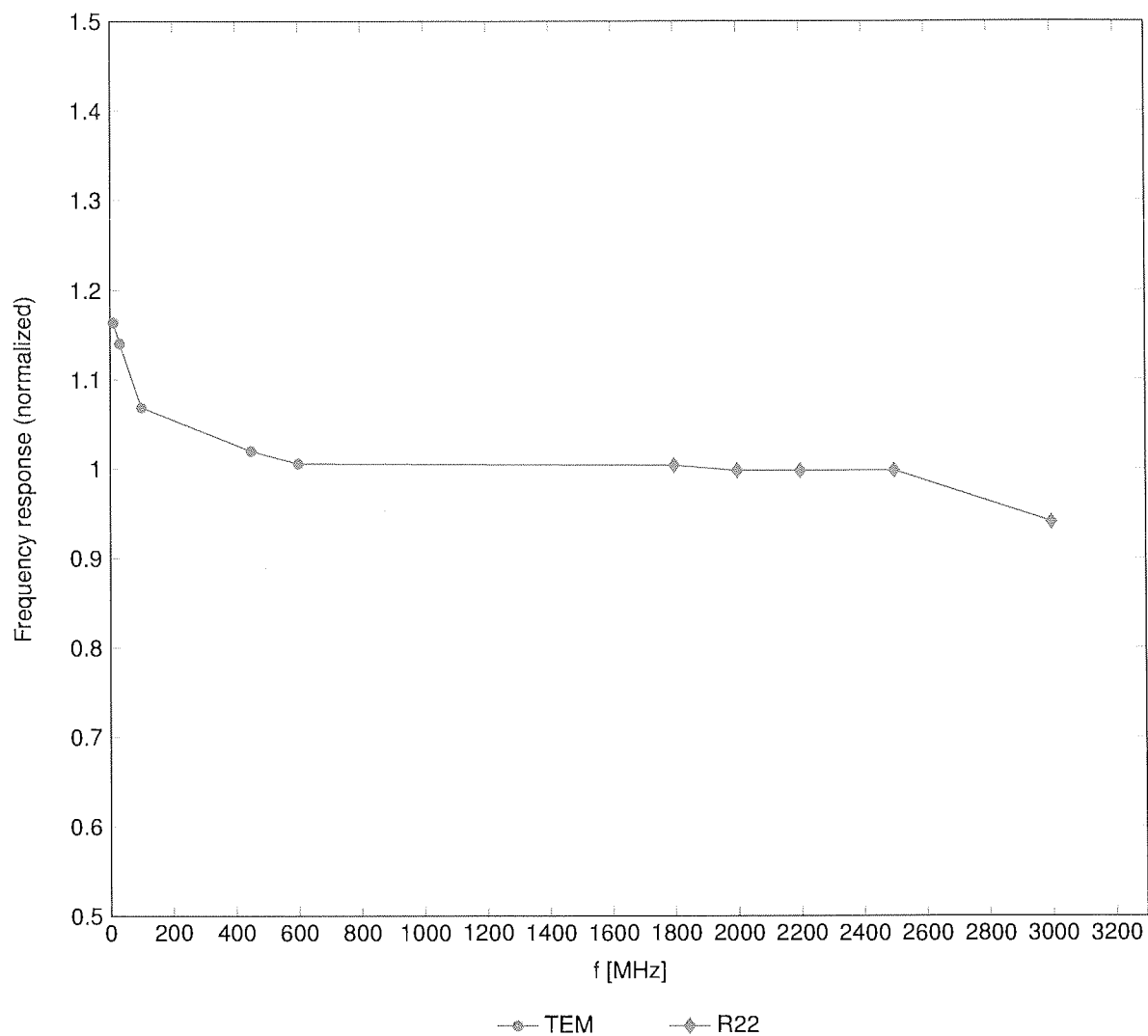
<sup>F</sup> The probes are calibrated using tissue simulating liquids (TSL) that deviate for  $\epsilon$  and  $\sigma$  by less than ±10% from the target values (typically better than ±6%) and are valid for TSL with deviations of up to ±10%.

<sup>G</sup> Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz; below ±2% for frequencies between 3–6 GHz; and below ±4% for frequencies between 6–10 GHz at any distance larger than half the probe tip diameter from the boundary.

<sup>H</sup> The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. This is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528:2020.

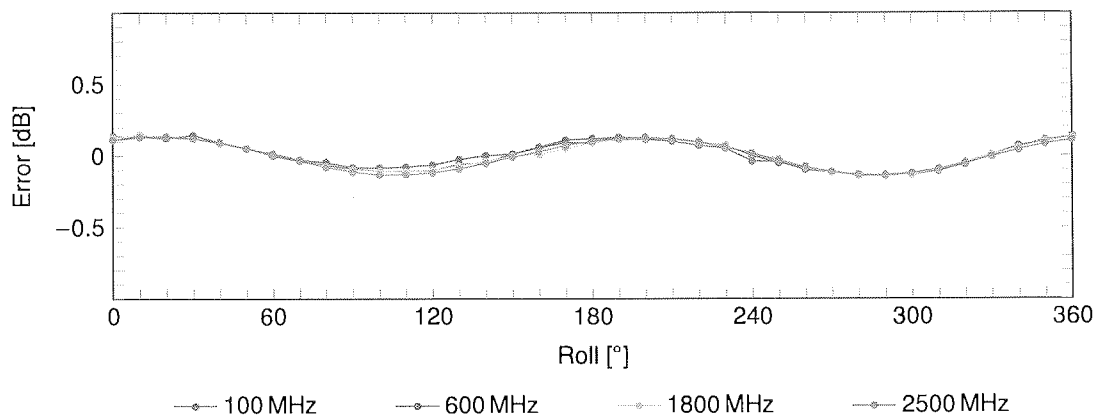
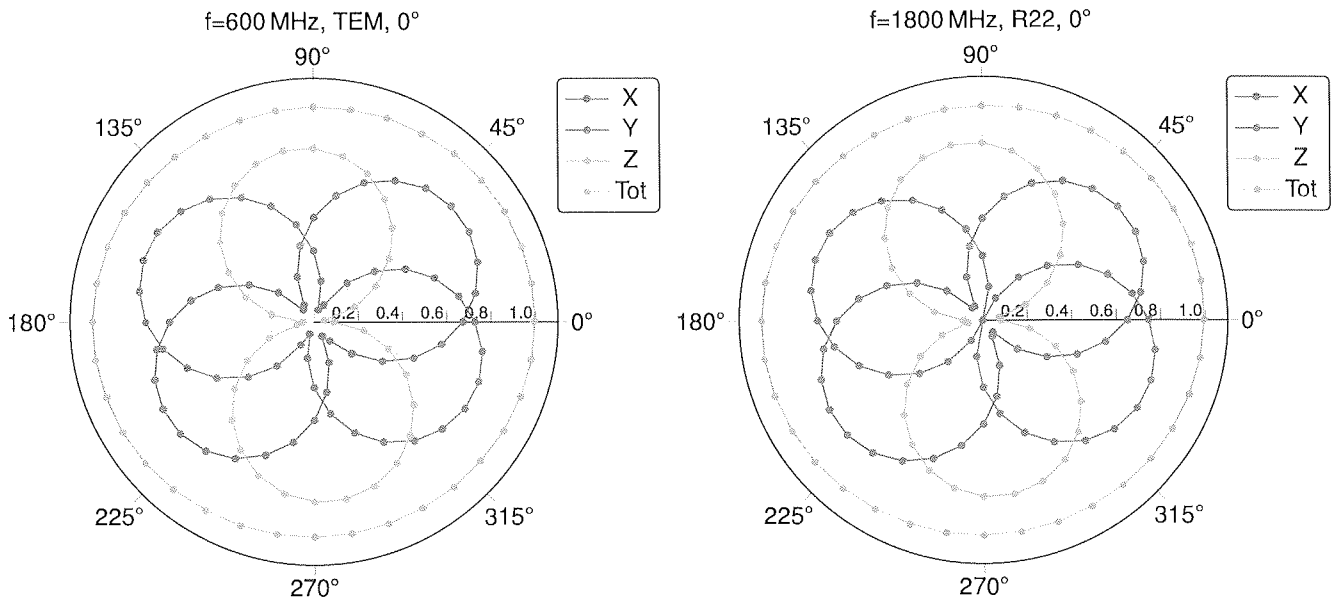
## Frequency Response of E-Field

(TEM-Cell:ifi110 EXX, Waveguide:R22)

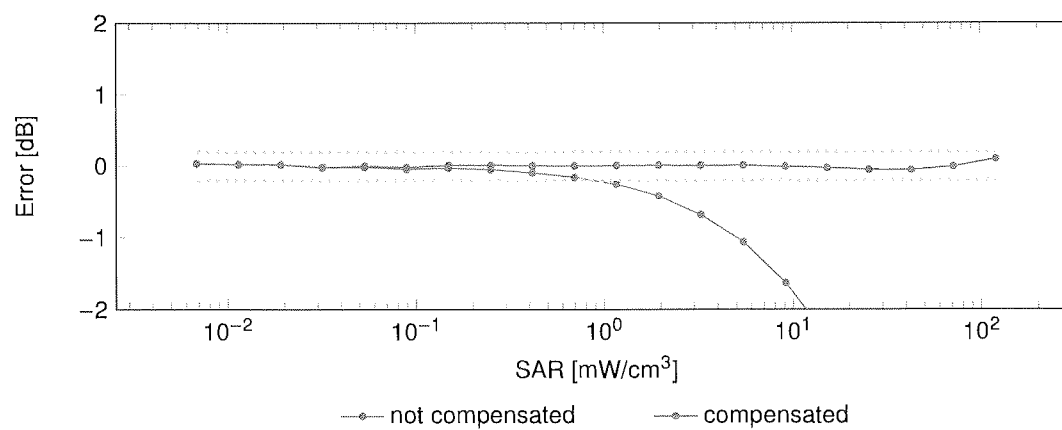
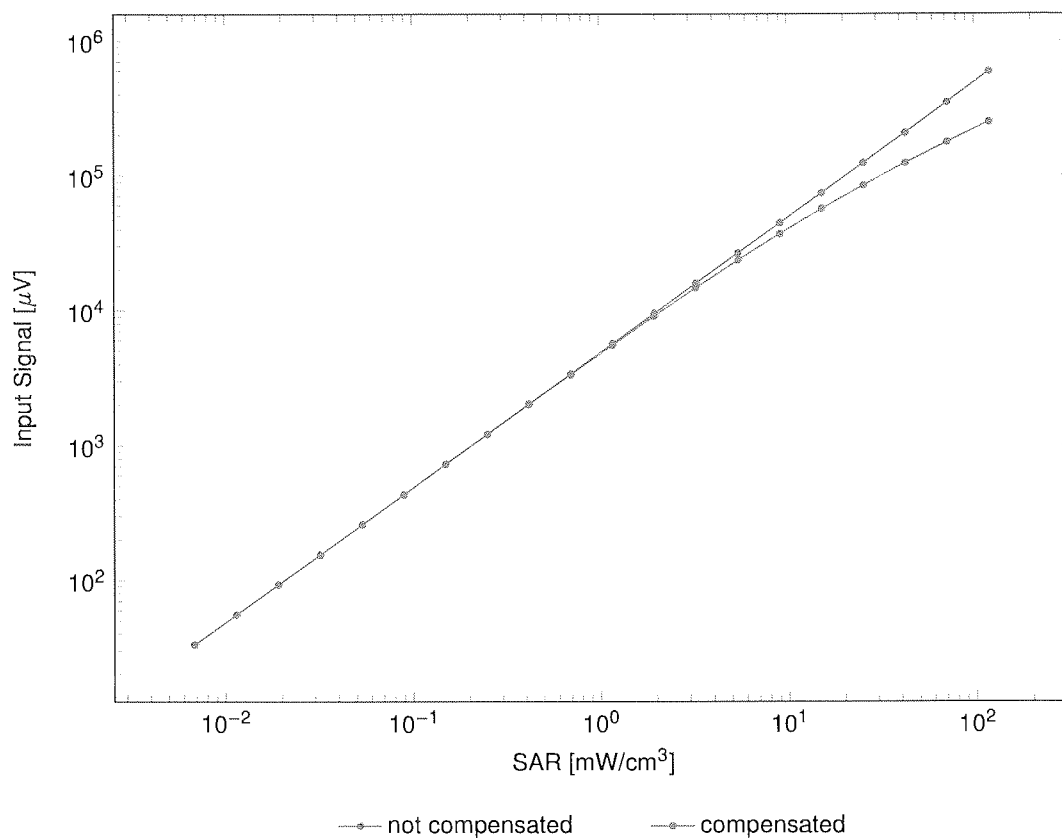


Uncertainty of Frequency Response of E-field:  $\pm 6.3\%$  ( $k=2$ )

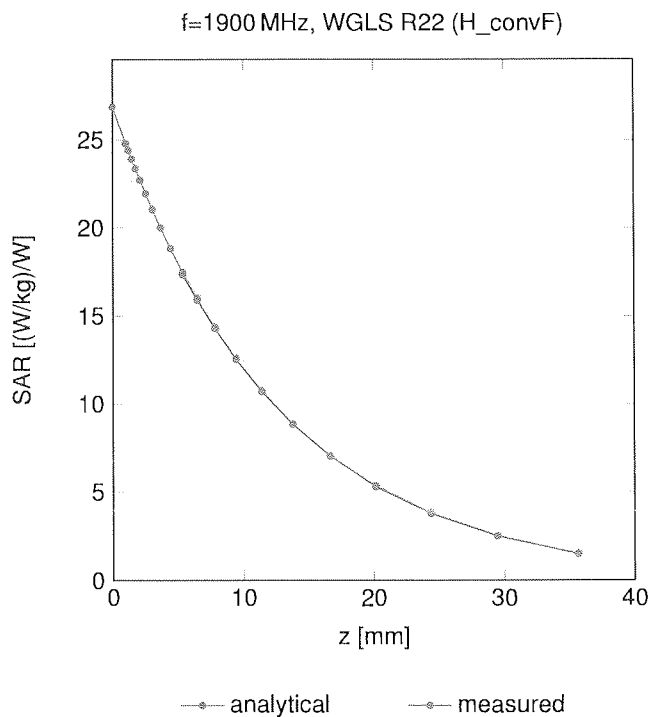
### Receiving Pattern ( $\phi$ ), $\vartheta = 0^\circ$



Uncertainty of Axial Isotropy Assessment:  $\pm 0.5\%$  ( $k=2$ )

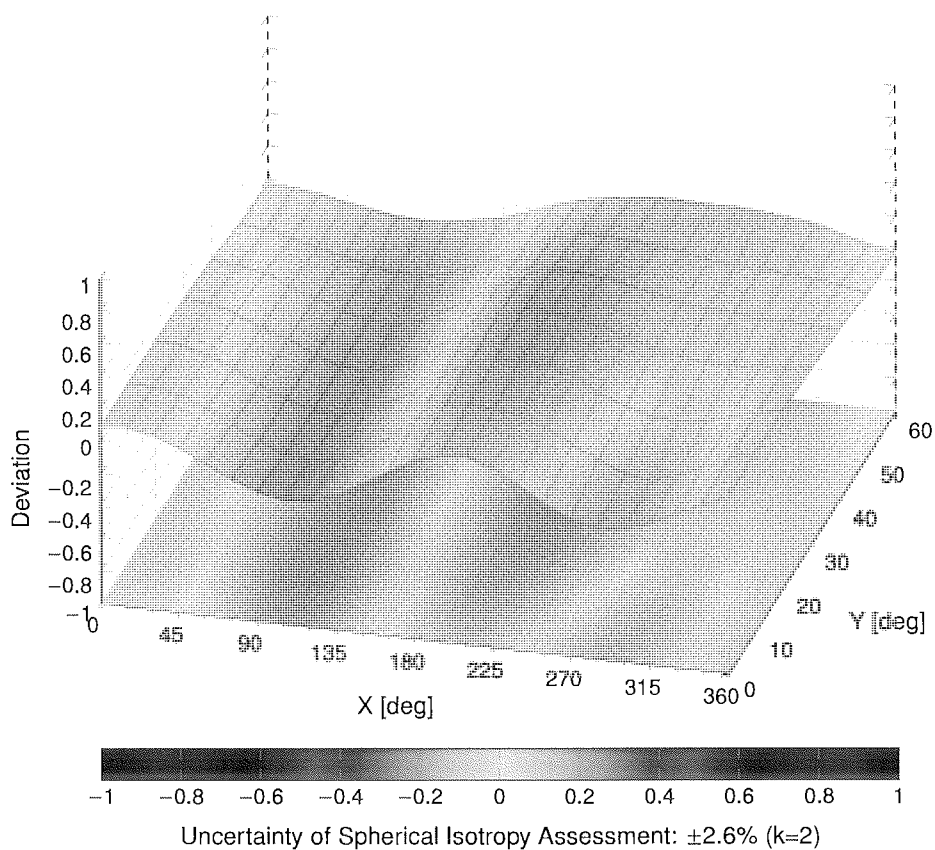
**Dynamic Range  $f(\text{SAR}_{\text{HSL}})$** (TEM cell,  $f_{\text{eval}} = 1900\text{MHz}$ )Uncertainty of Linearity Assessment:  $\pm 0.6\%$  ( $k=2$ )

## Conversion Factor Assessment



## Deviation from Isotropy in Liquid

Error ( $\phi, \theta$ ),  $f = 900\text{ MHz}$



## Appendix: Modulation Calibration Parameters

| UID   | Rev | Communication System Name                           | Group     | PAR (dB) | Unc <sup>E</sup> $k = 2$ |
|-------|-----|-----------------------------------------------------|-----------|----------|--------------------------|
| 0     |     | CW                                                  | CW        | 0.00     | ±4.7                     |
| 10010 | CAB | SAR Validation (Square, 100 ms, 10 ms)              | Test      | 10.00    | ±9.6                     |
| 10011 | CAC | UMTS-FDD (WCDMA)                                    | WCDMA     | 2.91     | ±9.6                     |
| 10012 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)            | WLAN      | 1.87     | ±9.6                     |
| 10013 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)       | WLAN      | 9.46     | ±9.6                     |
| 10021 | DAC | GSM-FDD (TDMA, GMSK)                                | GSM       | 9.39     | ±9.6                     |
| 10023 | DAC | GPRS-FDD (TDMA, GMSK, TN 0)                         | GSM       | 9.57     | ±9.6                     |
| 10024 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1)                       | GSM       | 6.56     | ±9.6                     |
| 10025 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0)                         | GSM       | 12.62    | ±9.6                     |
| 10026 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1)                       | GSM       | 9.55     | ±9.6                     |
| 10027 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2)                     | GSM       | 4.80     | ±9.6                     |
| 10028 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)                   | GSM       | 3.55     | ±9.6                     |
| 10029 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2)                     | GSM       | 7.78     | ±9.6                     |
| 10030 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1)                 | Bluetooth | 5.30     | ±9.6                     |
| 10031 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3)                 | Bluetooth | 1.87     | ±9.6                     |
| 10032 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH5)                 | Bluetooth | 1.16     | ±9.6                     |
| 10033 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)           | Bluetooth | 7.74     | ±9.6                     |
| 10034 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)           | Bluetooth | 4.53     | ±9.6                     |
| 10035 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)           | Bluetooth | 3.83     | ±9.6                     |
| 10036 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH1)               | Bluetooth | 8.01     | ±9.6                     |
| 10037 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH3)               | Bluetooth | 4.77     | ±9.6                     |
| 10038 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH5)               | Bluetooth | 4.10     | ±9.6                     |
| 10039 | CAB | CDMA2000 (1xRTT, RC1)                               | CDMA2000  | 4.57     | ±9.6                     |
| 10042 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) | AMPS      | 7.78     | ±9.6                     |
| 10044 | CAA | IS-91/EIA/TIA-553 FDD (FDMA, FM)                    | AMPS      | 0.00     | ±9.6                     |
| 10048 | CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)           | DECT      | 13.80    | ±9.6                     |
| 10049 | CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)         | DECT      | 10.79    | ±9.6                     |
| 10056 | CAA | UMTS-TDD (TD-SCDMA, 1.28 Mcps)                      | TD-SCDMA  | 11.01    | ±9.6                     |
| 10058 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)                   | GSM       | 6.52     | ±9.6                     |
| 10059 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)            | WLAN      | 2.12     | ±9.6                     |
| 10060 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)          | WLAN      | 2.83     | ±9.6                     |
| 10061 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)           | WLAN      | 3.60     | ±9.6                     |
| 10062 | CAE | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)            | WLAN      | 8.68     | ±9.6                     |
| 10063 | CAE | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)            | WLAN      | 8.63     | ±9.6                     |
| 10064 | CAE | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)           | WLAN      | 9.09     | ±9.6                     |
| 10065 | CAE | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)           | WLAN      | 9.00     | ±9.6                     |
| 10066 | CAE | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)           | WLAN      | 9.38     | ±9.6                     |
| 10067 | CAE | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)           | WLAN      | 10.12    | ±9.6                     |
| 10068 | CAE | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)           | WLAN      | 10.24    | ±9.6                     |
| 10069 | CAE | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)           | WLAN      | 10.56    | ±9.6                     |
| 10071 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)       | WLAN      | 9.83     | ±9.6                     |
| 10072 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)      | WLAN      | 9.62     | ±9.6                     |
| 10073 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)      | WLAN      | 9.94     | ±9.6                     |
| 10074 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)      | WLAN      | 10.30    | ±9.6                     |
| 10075 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)      | WLAN      | 10.77    | ±9.6                     |
| 10076 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)      | WLAN      | 10.94    | ±9.6                     |
| 10077 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)      | WLAN      | 11.00    | ±9.6                     |
| 10081 | CAB | CDMA2000 (1xRTT, RC3)                               | CDMA2000  | 3.97     | ±9.6                     |
| 10082 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate) | AMPS      | 4.77     | ±9.6                     |
| 10090 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-4)                       | GSM       | 6.56     | ±9.6                     |
| 10097 | CAC | UMTS-FDD (HSDPA)                                    | WCDMA     | 3.98     | ±9.6                     |
| 10098 | CAC | UMTS-FDD (HSUPA, Subtest 2)                         | WCDMA     | 3.98     | ±9.6                     |
| 10099 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-4)                       | GSM       | 9.55     | ±9.6                     |
| 10100 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)            | LTE-FDD   | 5.67     | ±9.6                     |
| 10101 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)          | LTE-FDD   | 6.42     | ±9.6                     |
| 10102 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)          | LTE-FDD   | 6.60     | ±9.6                     |
| 10103 | CAH | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)            | LTE-TDD   | 9.29     | ±9.6                     |
| 10104 | CAH | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)          | LTE-TDD   | 9.97     | ±9.6                     |
| 10105 | CAH | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)          | LTE-TDD   | 10.01    | ±9.6                     |
| 10108 | CAH | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)            | LTE-FDD   | 5.80     | ±9.6                     |
| 10109 | CAH | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)          | LTE-FDD   | 6.43     | ±9.6                     |
| 10110 | CAH | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)             | LTE-FDD   | 5.75     | ±9.6                     |
| 10111 | CAH | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)           | LTE-FDD   | 6.44     | ±9.6                     |

| UID   | Rev | Communication System Name                      | Group   | PAR (dB) | Unc <sup>E</sup> $k = 2$ |
|-------|-----|------------------------------------------------|---------|----------|--------------------------|
| 10112 | CAH | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)     | LTE-FDD | 6.59     | ±9.6                     |
| 10113 | CAH | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)      | LTE-FDD | 6.62     | ±9.6                     |
| 10114 | CAE | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)  | WLAN    | 8.10     | ±9.6                     |
| 10115 | CAE | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)  | WLAN    | 8.46     | ±9.6                     |
| 10116 | CAE | IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) | WLAN    | 8.15     | ±9.6                     |
| 10117 | CAE | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)       | WLAN    | 8.07     | ±9.6                     |
| 10118 | CAE | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)       | WLAN    | 8.59     | ±9.6                     |
| 10119 | CAE | IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)      | WLAN    | 8.13     | ±9.6                     |
| 10140 | CAF | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)     | LTE-FDD | 6.49     | ±9.6                     |
| 10141 | CAF | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)     | LTE-FDD | 6.53     | ±9.6                     |
| 10142 | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)        | LTE-FDD | 5.73     | ±9.6                     |
| 10143 | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)      | LTE-FDD | 6.35     | ±9.6                     |
| 10144 | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)      | LTE-FDD | 6.65     | ±9.6                     |
| 10145 | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)      | LTE-FDD | 5.76     | ±9.6                     |
| 10146 | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)    | LTE-FDD | 6.41     | ±9.6                     |
| 10147 | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)    | LTE-FDD | 6.72     | ±9.6                     |
| 10149 | CAF | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)      | LTE-FDD | 6.42     | ±9.6                     |
| 10150 | CAF | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)      | LTE-FDD | 6.60     | ±9.6                     |
| 10151 | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)        | LTE-TDD | 9.28     | ±9.6                     |
| 10152 | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)      | LTE-TDD | 9.92     | ±9.6                     |
| 10153 | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)      | LTE-TDD | 10.05    | ±9.6                     |
| 10154 | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)        | LTE-FDD | 5.75     | ±9.6                     |
| 10155 | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)      | LTE-FDD | 6.43     | ±9.6                     |
| 10156 | CAH | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)         | LTE-FDD | 5.79     | ±9.6                     |
| 10157 | CAH | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)       | LTE-FDD | 6.49     | ±9.6                     |
| 10158 | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)      | LTE-FDD | 6.62     | ±9.6                     |
| 10159 | CAH | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)       | LTE-FDD | 6.56     | ±9.6                     |
| 10160 | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)        | LTE-FDD | 5.82     | ±9.6                     |
| 10161 | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)      | LTE-FDD | 6.43     | ±9.6                     |
| 10162 | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)      | LTE-FDD | 6.58     | ±9.6                     |
| 10166 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)       | LTE-FDD | 5.46     | ±9.6                     |
| 10167 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)     | LTE-FDD | 6.21     | ±9.6                     |
| 10168 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)     | LTE-FDD | 6.79     | ±9.6                     |
| 10169 | CAF | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)          | LTE-FDD | 5.73     | ±9.6                     |
| 10170 | CAF | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)        | LTE-FDD | 6.52     | ±9.6                     |
| 10171 | AAF | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)        | LTE-FDD | 6.49     | ±9.6                     |
| 10172 | CAH | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)          | LTE-TDD | 9.21     | ±9.6                     |
| 10173 | CAH | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)        | LTE-TDD | 9.48     | ±9.6                     |
| 10174 | CAH | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)        | LTE-TDD | 10.25    | ±9.6                     |
| 10175 | CAH | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)          | LTE-FDD | 5.72     | ±9.6                     |
| 10176 | CAH | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)        | LTE-FDD | 6.52     | ±9.6                     |
| 10177 | CAJ | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)           | LTE-FDD | 5.73     | ±9.6                     |
| 10178 | CAH | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)         | LTE-FDD | 6.52     | ±9.6                     |
| 10179 | CAH | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)        | LTE-FDD | 6.50     | ±9.6                     |
| 10180 | CAH | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)         | LTE-FDD | 6.50     | ±9.6                     |
| 10181 | CAF | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)          | LTE-FDD | 5.72     | ±9.6                     |
| 10182 | CAF | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)        | LTE-FDD | 6.52     | ±9.6                     |
| 10183 | AAE | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)        | LTE-FDD | 6.50     | ±9.6                     |
| 10184 | CAF | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)           | LTE-FDD | 5.73     | ±9.6                     |
| 10185 | CAF | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)         | LTE-FDD | 6.51     | ±9.6                     |
| 10186 | AAF | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         | LTE-FDD | 6.50     | ±9.6                     |
| 10187 | CAG | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         | LTE-FDD | 5.73     | ±9.6                     |
| 10188 | CAG | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)       | LTE-FDD | 6.52     | ±9.6                     |
| 10189 | AAG | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)       | LTE-FDD | 6.50     | ±9.6                     |
| 10193 | CAE | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)   | WLAN    | 8.09     | ±9.6                     |
| 10194 | CAE | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)  | WLAN    | 8.12     | ±9.6                     |
| 10195 | CAE | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)  | WLAN    | 8.21     | ±9.6                     |
| 10196 | CAE | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)        | WLAN    | 8.10     | ±9.6                     |
| 10197 | CAE | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)       | WLAN    | 8.13     | ±9.6                     |
| 10198 | CAE | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)       | WLAN    | 8.27     | ±9.6                     |
| 10219 | CAE | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)        | WLAN    | 8.03     | ±9.6                     |
| 10220 | CAE | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)     | WLAN    | 8.13     | ±9.6                     |
| 10221 | CAE | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)     | WLAN    | 8.27     | ±9.6                     |
| 10222 | CAE | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)         | WLAN    | 8.06     | ±9.6                     |
| 10223 | CAE | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)       | WLAN    | 8.48     | ±9.6                     |
| 10224 | CAE | IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)      | WLAN    | 8.08     | ±9.6                     |

| UID   | Rev | Communication System Name                                            | Group    | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|----------------------------------------------------------------------|----------|----------|------------------------|
| 10225 | CAC | UMTS-FDD (HSPA+)                                                     | WCDMA    | 5.97     | ±9.6                   |
| 10226 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)                             | LTE-TDD  | 9.49     | ±9.6                   |
| 10227 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)                             | LTE-TDD  | 10.26    | ±9.6                   |
| 10228 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)                               | LTE-TDD  | 9.22     | ±9.6                   |
| 10229 | CAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)                               | LTE-TDD  | 9.48     | ±9.6                   |
| 10230 | CAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)                               | LTE-TDD  | 10.25    | ±9.6                   |
| 10231 | CAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)                                 | LTE-TDD  | 9.19     | ±9.6                   |
| 10232 | CAH | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)                               | LTE-TDD  | 9.48     | ±9.6                   |
| 10233 | CAH | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)                               | LTE-TDD  | 10.25    | ±9.6                   |
| 10234 | CAH | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)                                 | LTE-TDD  | 9.21     | ±9.6                   |
| 10235 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)                              | LTE-TDD  | 9.48     | ±9.6                   |
| 10236 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)                              | LTE-TDD  | 10.25    | ±9.6                   |
| 10237 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)                                | LTE-TDD  | 9.21     | ±9.6                   |
| 10238 | CAG | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)                              | LTE-TDD  | 9.48     | ±9.6                   |
| 10239 | CAG | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)                              | LTE-TDD  | 10.25    | ±9.6                   |
| 10240 | CAG | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)                                | LTE-TDD  | 9.21     | ±9.6                   |
| 10241 | CAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)                           | LTE-TDD  | 9.82     | ±9.6                   |
| 10242 | CAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)                           | LTE-TDD  | 9.86     | ±9.6                   |
| 10243 | CAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)                             | LTE-TDD  | 9.46     | ±9.6                   |
| 10244 | CAE | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)                             | LTE-TDD  | 10.06    | ±9.6                   |
| 10245 | CAE | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)                             | LTE-TDD  | 10.06    | ±9.6                   |
| 10246 | CAE | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)                               | LTE-TDD  | 9.30     | ±9.6                   |
| 10247 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)                             | LTE-TDD  | 9.91     | ±9.6                   |
| 10248 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)                             | LTE-TDD  | 10.09    | ±9.6                   |
| 10249 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)                               | LTE-TDD  | 9.29     | ±9.6                   |
| 10250 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)                            | LTE-TDD  | 9.81     | ±9.6                   |
| 10251 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)                            | LTE-TDD  | 10.17    | ±9.6                   |
| 10252 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)                              | LTE-TDD  | 9.24     | ±9.6                   |
| 10253 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)                            | LTE-TDD  | 9.90     | ±9.6                   |
| 10254 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)                            | LTE-TDD  | 10.14    | ±9.6                   |
| 10255 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)                              | LTE-TDD  | 9.20     | ±9.6                   |
| 10256 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)                          | LTE-TDD  | 9.96     | ±9.6                   |
| 10257 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)                          | LTE-TDD  | 10.08    | ±9.6                   |
| 10258 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)                            | LTE-TDD  | 9.34     | ±9.6                   |
| 10259 | CAE | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)                            | LTE-TDD  | 9.98     | ±9.6                   |
| 10260 | CAE | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)                            | LTE-TDD  | 9.97     | ±9.6                   |
| 10261 | CAE | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)                              | LTE-TDD  | 9.24     | ±9.6                   |
| 10262 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)                            | LTE-TDD  | 9.83     | ±9.6                   |
| 10263 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)                            | LTE-TDD  | 10.16    | ±9.6                   |
| 10264 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)                              | LTE-TDD  | 9.23     | ±9.6                   |
| 10265 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)                           | LTE-TDD  | 9.92     | ±9.6                   |
| 10266 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)                           | LTE-TDD  | 10.07    | ±9.6                   |
| 10267 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)                             | LTE-TDD  | 9.30     | ±9.6                   |
| 10268 | CAG | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)                           | LTE-TDD  | 10.06    | ±9.6                   |
| 10269 | CAG | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)                           | LTE-TDD  | 10.13    | ±9.6                   |
| 10270 | CAG | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)                             | LTE-TDD  | 9.58     | ±9.6                   |
| 10274 | CAC | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)                            | WCDMA    | 4.87     | ±9.6                   |
| 10275 | CAC | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)                             | WCDMA    | 3.96     | ±9.6                   |
| 10277 | CAA | PHS (QPSK)                                                           | PHS      | 11.81    | ±9.6                   |
| 10278 | CAA | PHS (QPSK, BW 884 MHz, Rolloff 0.5)                                  | PHS      | 11.81    | ±9.6                   |
| 10279 | CAA | PHS (QPSK, BW 884 MHz, Rolloff 0.38)                                 | PHS      | 12.18    | ±9.6                   |
| 10290 | AAB | CDMA2000, RC1, SO55, Full Rate                                       | CDMA2000 | 3.91     | ±9.6                   |
| 10291 | AAB | CDMA2000, RC3, SO55, Full Rate                                       | CDMA2000 | 3.46     | ±9.6                   |
| 10292 | AAB | CDMA2000, RC3, SO32, Full Rate                                       | CDMA2000 | 3.39     | ±9.6                   |
| 10293 | AAB | CDMA2000, RC3, SO3, Full Rate                                        | CDMA2000 | 3.50     | ±9.6                   |
| 10295 | AAB | CDMA2000, RC1, SO3, 1/8th Rate 25 fr.                                | CDMA2000 | 12.49    | ±9.6                   |
| 10297 | AAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)                              | LTE-FDD  | 5.81     | ±9.6                   |
| 10298 | AAE | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)                               | LTE-FDD  | 5.72     | ±9.6                   |
| 10299 | AAE | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)                             | LTE-FDD  | 6.39     | ±9.6                   |
| 10300 | AAE | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)                             | LTE-FDD  | 6.60     | ±9.6                   |
| 10301 | AAA | IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)                 | WiMAX    | 12.03    | ±9.6                   |
| 10302 | AAA | IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols) | WiMAX    | 12.57    | ±9.6                   |
| 10303 | AAA | IEEE 802.16e WiMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)                | WiMAX    | 12.52    | ±9.6                   |
| 10304 | AAA | IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)                | WiMAX    | 11.86    | ±9.6                   |
| 10305 | AAA | IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)   | WiMAX    | 15.24    | ±9.6                   |
| 10306 | AAA | IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)   | WiMAX    | 14.67    | ±9.6                   |

| UID   | Rev | Communication System Name                                                       | Group    | PAR (dB) | Unc <sup>E</sup> $k = 2$ |
|-------|-----|---------------------------------------------------------------------------------|----------|----------|--------------------------|
| 10307 | AAA | IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)               | WiMAX    | 14.49    | ±9.6                     |
| 10308 | AAA | IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)                          | WiMAX    | 14.46    | ±9.6                     |
| 10309 | AAA | IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)           | WiMAX    | 14.58    | ±9.6                     |
| 10310 | AAA | IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)            | WiMAX    | 14.57    | ±9.6                     |
| 10311 | AAE | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)                                        | LTE-FDD  | 6.06     | ±9.6                     |
| 10313 | AAA | iDEN 1:3                                                                        | iDEN     | 10.51    | ±9.6                     |
| 10314 | AAA | iDEN 1:6                                                                        | iDEN     | 13.48    | ±9.6                     |
| 10315 | AAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)                       | WLAN     | 1.71     | ±9.6                     |
| 10316 | AAB | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)                   | WLAN     | 8.36     | ±9.6                     |
| 10317 | AAE | IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)                         | WLAN     | 8.36     | ±9.6                     |
| 10352 | AAA | Pulse Waveform (200Hz, 10%)                                                     | Generic  | 10.00    | ±9.6                     |
| 10353 | AAA | Pulse Waveform (200Hz, 20%)                                                     | Generic  | 6.99     | ±9.6                     |
| 10354 | AAA | Pulse Waveform (200Hz, 40%)                                                     | Generic  | 3.98     | ±9.6                     |
| 10355 | AAA | Pulse Waveform (200Hz, 60%)                                                     | Generic  | 2.22     | ±9.6                     |
| 10356 | AAA | Pulse Waveform (200Hz, 80%)                                                     | Generic  | 0.97     | ±9.6                     |
| 10387 | AAA | QPSK Waveform, 1 MHz                                                            | Generic  | 5.10     | ±9.6                     |
| 10388 | AAA | QPSK Waveform, 10 MHz                                                           | Generic  | 5.22     | ±9.6                     |
| 10396 | AAA | 64-QAM Waveform, 100 kHz                                                        | Generic  | 6.27     | ±9.6                     |
| 10399 | AAA | 64-QAM Waveform, 40 MHz                                                         | Generic  | 6.27     | ±9.6                     |
| 10400 | AAF | IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle)                            | WLAN     | 8.37     | ±9.6                     |
| 10401 | AAF | IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)                            | WLAN     | 8.60     | ±9.6                     |
| 10402 | AAF | IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)                            | WLAN     | 8.53     | ±9.6                     |
| 10403 | AAB | CDMA2000 (1xEV-DO, Rev. 0)                                                      | CDMA2000 | 3.76     | ±9.6                     |
| 10404 | AAB | CDMA2000 (1xEV-DO, Rev. A)                                                      | CDMA2000 | 3.77     | ±9.6                     |
| 10406 | AAB | CDMA2000, RC3, SO32, SCH0, Full Rate                                            | CDMA2000 | 5.22     | ±9.6                     |
| 10410 | AAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4) | LTE-TDD  | 7.82     | ±9.6                     |
| 10414 | AAA | WLAN CCDF, 64-QAM, 40 MHz                                                       | Generic  | 8.54     | ±9.6                     |
| 10415 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)                       | WLAN     | 1.54     | ±9.6                     |
| 10416 | AAA | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)                   | WLAN     | 8.23     | ±9.6                     |
| 10417 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)                       | WLAN     | 8.23     | ±9.6                     |
| 10418 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preamble)   | WLAN     | 8.14     | ±9.6                     |
| 10419 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preamble)  | WLAN     | 8.19     | ±9.6                     |
| 10422 | AAD | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)                                    | WLAN     | 8.32     | ±9.6                     |
| 10423 | AAD | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)                                 | WLAN     | 8.47     | ±9.6                     |
| 10424 | AAD | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)                                 | WLAN     | 8.40     | ±9.6                     |
| 10425 | AAD | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)                                     | WLAN     | 8.41     | ±9.6                     |
| 10426 | AAD | IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)                                   | WLAN     | 8.45     | ±9.6                     |
| 10427 | AAD | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)                                  | WLAN     | 8.41     | ±9.6                     |
| 10430 | AAE | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)                                                | LTE-FDD  | 8.28     | ±9.6                     |
| 10431 | AAE | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)                                               | LTE-FDD  | 8.38     | ±9.6                     |
| 10432 | AAD | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)                                               | LTE-FDD  | 8.34     | ±9.6                     |
| 10433 | AAD | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)                                               | LTE-FDD  | 8.34     | ±9.6                     |
| 10434 | AAB | W-CDMA (BS Test Model 1, 64 DPCH)                                               | WCDMA    | 8.60     | ±9.6                     |
| 10435 | AAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                  | LTE-TDD  | 7.82     | ±9.6                     |
| 10447 | AAE | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)                                  | LTE-FDD  | 7.56     | ±9.6                     |
| 10448 | AAE | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)                                 | LTE-FDD  | 7.53     | ±9.6                     |
| 10449 | AAD | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)                                 | LTE-FDD  | 7.51     | ±9.6                     |
| 10450 | AAD | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)                                 | LTE-FDD  | 7.48     | ±9.6                     |
| 10451 | AAB | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)                                 | WCDMA    | 7.59     | ±9.6                     |
| 10453 | AAE | Validation (Square, 10 ms, 1 ms)                                                | Test     | 10.00    | ±9.6                     |
| 10456 | AAD | IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)                           | WLAN     | 8.63     | ±9.6                     |
| 10457 | AAB | UMTS-FDD (DC-HSDPA)                                                             | WCDMA    | 6.62     | ±9.6                     |
| 10458 | AAA | CDMA2000 (1xEV-DO, Rev. B, 2 carriers)                                          | CDMA2000 | 6.55     | ±9.6                     |
| 10459 | AAA | CDMA2000 (1xEV-DO, Rev. B, 3 carriers)                                          | CDMA2000 | 8.25     | ±9.6                     |
| 10460 | AAB | UMTS-FDD (WCDMA, AMR)                                                           | WCDMA    | 2.39     | ±9.6                     |
| 10461 | AAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                 | LTE-TDD  | 7.82     | ±9.6                     |
| 10462 | AAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)               | LTE-TDD  | 8.30     | ±9.6                     |
| 10463 | AAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)               | LTE-TDD  | 8.56     | ±9.6                     |
| 10464 | AAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                   | LTE-TDD  | 7.82     | ±9.6                     |
| 10465 | AAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)                 | LTE-TDD  | 8.32     | ±9.6                     |
| 10466 | AAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)                 | LTE-TDD  | 8.57     | ±9.6                     |
| 10467 | AAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                   | LTE-TDD  | 7.82     | ±9.6                     |
| 10468 | AAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)                 | LTE-TDD  | 8.32     | ±9.6                     |
| 10469 | AAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)                 | LTE-TDD  | 8.56     | ±9.6                     |
| 10470 | AAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                  | LTE-TDD  | 7.82     | ±9.6                     |
| 10471 | AAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)                | LTE-TDD  | 8.32     | ±9.6                     |

| UID   | Rev | Communication System Name                                            | Group   | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|----------------------------------------------------------------------|---------|----------|------------------------|
| 10472 | AAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.57     | ±9.6                   |
| 10473 | AAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)       | LTE-TDD | 7.82     | ±9.6                   |
| 10474 | AAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.32     | ±9.6                   |
| 10475 | AAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.57     | ±9.6                   |
| 10477 | AAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.32     | ±9.6                   |
| 10478 | AAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.57     | ±9.6                   |
| 10479 | AAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 7.74     | ±9.6                   |
| 10480 | AAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.18     | ±9.6                   |
| 10481 | AAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.45     | ±9.6                   |
| 10482 | AAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)      | LTE-TDD | 7.71     | ±9.6                   |
| 10483 | AAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 8.39     | ±9.6                   |
| 10484 | AAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 8.47     | ±9.6                   |
| 10485 | AAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)      | LTE-TDD | 7.59     | ±9.6                   |
| 10486 | AAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 8.38     | ±9.6                   |
| 10487 | AAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 8.60     | ±9.6                   |
| 10488 | AAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.70     | ±9.6                   |
| 10489 | AAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.31     | ±9.6                   |
| 10490 | AAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.54     | ±9.6                   |
| 10491 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.74     | ±9.6                   |
| 10492 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.41     | ±9.6                   |
| 10493 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.55     | ±9.6                   |
| 10494 | AAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.74     | ±9.6                   |
| 10495 | AAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.37     | ±9.6                   |
| 10496 | AAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.54     | ±9.6                   |
| 10497 | AAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 7.67     | ±9.6                   |
| 10498 | AAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.40     | ±9.6                   |
| 10499 | AAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.68     | ±9.6                   |
| 10500 | AAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.67     | ±9.6                   |
| 10501 | AAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.44     | ±9.6                   |
| 10502 | AAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.52     | ±9.6                   |
| 10503 | AAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.72     | ±9.6                   |
| 10504 | AAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.31     | ±9.6                   |
| 10505 | AAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.54     | ±9.6                   |
| 10506 | AAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 7.74     | ±9.6                   |
| 10507 | AAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.36     | ±9.6                   |
| 10508 | AAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.55     | ±9.6                   |
| 10509 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 7.99     | ±9.6                   |
| 10510 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.49     | ±9.6                   |
| 10511 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.51     | ±9.6                   |
| 10512 | AAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 7.74     | ±9.6                   |
| 10513 | AAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.42     | ±9.6                   |
| 10514 | AAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.45     | ±9.6                   |
| 10515 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)            | WLAN    | 1.58     | ±9.6                   |
| 10516 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)          | WLAN    | 1.57     | ±9.6                   |
| 10517 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)           | WLAN    | 1.58     | ±9.6                   |
| 10518 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)            | WLAN    | 8.23     | ±9.6                   |
| 10519 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)           | WLAN    | 8.39     | ±9.6                   |
| 10520 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)           | WLAN    | 8.12     | ±9.6                   |
| 10521 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)           | WLAN    | 7.97     | ±9.6                   |
| 10522 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)           | WLAN    | 8.45     | ±9.6                   |
| 10523 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)           | WLAN    | 8.08     | ±9.6                   |
| 10524 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)           | WLAN    | 8.27     | ±9.6                   |
| 10525 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)                   | WLAN    | 8.36     | ±9.6                   |
| 10526 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)                   | WLAN    | 8.42     | ±9.6                   |
| 10527 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)                   | WLAN    | 8.21     | ±9.6                   |
| 10528 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)                   | WLAN    | 8.36     | ±9.6                   |
| 10529 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)                   | WLAN    | 8.36     | ±9.6                   |
| 10531 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)                   | WLAN    | 8.43     | ±9.6                   |
| 10532 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)                   | WLAN    | 8.29     | ±9.6                   |
| 10533 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)                   | WLAN    | 8.38     | ±9.6                   |
| 10534 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)                   | WLAN    | 8.45     | ±9.6                   |
| 10535 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)                   | WLAN    | 8.45     | ±9.6                   |
| 10536 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)                   | WLAN    | 8.32     | ±9.6                   |
| 10537 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)                   | WLAN    | 8.44     | ±9.6                   |
| 10538 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)                   | WLAN    | 8.54     | ±9.6                   |
| 10540 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc duty cycle)                   | WLAN    | 8.39     | ±9.6                   |

| UID   | Rev | Communication System Name                                       | Group | PAR (dB) | Unc <sup>E</sup> $k = 2$ |
|-------|-----|-----------------------------------------------------------------|-------|----------|--------------------------|
| 10541 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)              | WLAN  | 8.46     | ±9.6                     |
| 10542 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)              | WLAN  | 8.65     | ±9.6                     |
| 10543 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)              | WLAN  | 8.65     | ±9.6                     |
| 10544 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)              | WLAN  | 8.47     | ±9.6                     |
| 10545 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)              | WLAN  | 8.55     | ±9.6                     |
| 10546 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)              | WLAN  | 8.35     | ±9.6                     |
| 10547 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc duty cycle)              | WLAN  | 8.49     | ±9.6                     |
| 10548 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)              | WLAN  | 8.37     | ±9.6                     |
| 10550 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc duty cycle)              | WLAN  | 8.38     | ±9.6                     |
| 10551 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)              | WLAN  | 8.50     | ±9.6                     |
| 10552 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)              | WLAN  | 8.42     | ±9.6                     |
| 10553 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)              | WLAN  | 8.45     | ±9.6                     |
| 10554 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)             | WLAN  | 8.48     | ±9.6                     |
| 10555 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)             | WLAN  | 8.47     | ±9.6                     |
| 10556 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)             | WLAN  | 8.50     | ±9.6                     |
| 10557 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle)             | WLAN  | 8.52     | ±9.6                     |
| 10558 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)             | WLAN  | 8.61     | ±9.6                     |
| 10560 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc duty cycle)             | WLAN  | 8.73     | ±9.6                     |
| 10561 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)             | WLAN  | 8.56     | ±9.6                     |
| 10562 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)             | WLAN  | 8.69     | ±9.6                     |
| 10563 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc duty cycle)             | WLAN  | 8.77     | ±9.6                     |
| 10564 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)  | WLAN  | 8.25     | ±9.6                     |
| 10565 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle) | WLAN  | 8.45     | ±9.6                     |
| 10566 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle) | WLAN  | 8.13     | ±9.6                     |
| 10567 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) | WLAN  | 8.00     | ±9.6                     |
| 10568 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) | WLAN  | 8.37     | ±9.6                     |
| 10569 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) | WLAN  | 8.10     | ±9.6                     |
| 10570 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) | WLAN  | 8.30     | ±9.6                     |
| 10571 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)       | WLAN  | 1.99     | ±9.6                     |
| 10572 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)       | WLAN  | 1.99     | ±9.6                     |
| 10573 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)     | WLAN  | 1.98     | ±9.6                     |
| 10574 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)      | WLAN  | 1.98     | ±9.6                     |
| 10575 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)  | WLAN  | 8.59     | ±9.6                     |
| 10576 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)  | WLAN  | 8.60     | ±9.6                     |
| 10577 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) | WLAN  | 8.70     | ±9.6                     |
| 10578 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) | WLAN  | 8.49     | ±9.6                     |
| 10579 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) | WLAN  | 8.36     | ±9.6                     |
| 10580 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) | WLAN  | 8.76     | ±9.6                     |
| 10581 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) | WLAN  | 8.35     | ±9.6                     |
| 10582 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) | WLAN  | 8.67     | ±9.6                     |
| 10583 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)       | WLAN  | 8.59     | ±9.6                     |
| 10584 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)       | WLAN  | 8.60     | ±9.6                     |
| 10585 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)      | WLAN  | 8.70     | ±9.6                     |
| 10586 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)      | WLAN  | 8.49     | ±9.6                     |
| 10587 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)      | WLAN  | 8.36     | ±9.6                     |
| 10588 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)      | WLAN  | 8.76     | ±9.6                     |
| 10589 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)      | WLAN  | 8.35     | ±9.6                     |
| 10590 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)      | WLAN  | 8.67     | ±9.6                     |
| 10591 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)          | WLAN  | 8.63     | ±9.6                     |
| 10592 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)          | WLAN  | 8.79     | ±9.6                     |
| 10593 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)          | WLAN  | 8.64     | ±9.6                     |
| 10594 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)          | WLAN  | 8.74     | ±9.6                     |
| 10595 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)          | WLAN  | 8.74     | ±9.6                     |
| 10596 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)          | WLAN  | 8.71     | ±9.6                     |
| 10597 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)          | WLAN  | 8.72     | ±9.6                     |
| 10598 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)          | WLAN  | 8.50     | ±9.6                     |
| 10599 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)          | WLAN  | 8.79     | ±9.6                     |
| 10600 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)          | WLAN  | 8.88     | ±9.6                     |
| 10601 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)          | WLAN  | 8.82     | ±9.6                     |
| 10602 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)          | WLAN  | 8.94     | ±9.6                     |
| 10603 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)          | WLAN  | 9.03     | ±9.6                     |
| 10604 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)          | WLAN  | 8.76     | ±9.6                     |
| 10605 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)          | WLAN  | 8.97     | ±9.6                     |
| 10606 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)          | WLAN  | 8.82     | ±9.6                     |
| 10607 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)              | WLAN  | 8.64     | ±9.6                     |
| 10608 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)              | WLAN  | 8.77     | ±9.6                     |

| UID   | Rev | Communication System Name                              | Group     | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|--------------------------------------------------------|-----------|----------|------------------------|
| 10609 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)     | WLAN      | 8.57     | ±9.6                   |
| 10610 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle)     | WLAN      | 8.78     | ±9.6                   |
| 10611 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)     | WLAN      | 8.70     | ±9.6                   |
| 10612 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)     | WLAN      | 8.77     | ±9.6                   |
| 10613 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)     | WLAN      | 8.94     | ±9.6                   |
| 10614 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)     | WLAN      | 8.59     | ±9.6                   |
| 10615 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)     | WLAN      | 8.82     | ±9.6                   |
| 10616 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)     | WLAN      | 8.82     | ±9.6                   |
| 10617 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)     | WLAN      | 8.81     | ±9.6                   |
| 10618 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)     | WLAN      | 8.58     | ±9.6                   |
| 10619 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)     | WLAN      | 8.86     | ±9.6                   |
| 10620 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)     | WLAN      | 8.87     | ±9.6                   |
| 10621 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)     | WLAN      | 8.77     | ±9.6                   |
| 10622 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)     | WLAN      | 8.68     | ±9.6                   |
| 10623 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)     | WLAN      | 8.82     | ±9.6                   |
| 10624 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)     | WLAN      | 8.96     | ±9.6                   |
| 10625 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)     | WLAN      | 8.96     | ±9.6                   |
| 10626 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)     | WLAN      | 8.83     | ±9.6                   |
| 10627 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)     | WLAN      | 8.88     | ±9.6                   |
| 10628 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)     | WLAN      | 8.71     | ±9.6                   |
| 10629 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)     | WLAN      | 8.85     | ±9.6                   |
| 10630 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)     | WLAN      | 8.72     | ±9.6                   |
| 10631 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)     | WLAN      | 8.81     | ±9.6                   |
| 10632 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)     | WLAN      | 8.74     | ±9.6                   |
| 10633 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)     | WLAN      | 8.83     | ±9.6                   |
| 10634 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)     | WLAN      | 8.80     | ±9.6                   |
| 10635 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)     | WLAN      | 8.81     | ±9.6                   |
| 10636 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)    | WLAN      | 8.83     | ±9.6                   |
| 10637 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)    | WLAN      | 8.79     | ±9.6                   |
| 10638 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)    | WLAN      | 8.86     | ±9.6                   |
| 10639 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)    | WLAN      | 8.85     | ±9.6                   |
| 10640 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)    | WLAN      | 8.98     | ±9.6                   |
| 10641 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)    | WLAN      | 9.06     | ±9.6                   |
| 10642 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)    | WLAN      | 9.06     | ±9.6                   |
| 10643 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)    | WLAN      | 8.89     | ±9.6                   |
| 10644 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)    | WLAN      | 9.05     | ±9.6                   |
| 10645 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)    | WLAN      | 9.11     | ±9.6                   |
| 10646 | AAH | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)  | LTE-TDD   | 11.96    | ±9.6                   |
| 10647 | AAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) | LTE-TDD   | 11.96    | ±9.6                   |
| 10648 | AAA | CDMA2000 (1x Advanced)                                 | CDMA2000  | 3.45     | ±9.6                   |
| 10652 | AAF | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         | LTE-TDD   | 6.91     | ±9.6                   |
| 10653 | AAF | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)        | LTE-TDD   | 7.42     | ±9.6                   |
| 10654 | AAE | LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)        | LTE-TDD   | 6.96     | ±9.6                   |
| 10655 | AAF | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)        | LTE-TDD   | 7.21     | ±9.6                   |
| 10658 | AAB | Pulse Waveform (200Hz, 10%)                            | Test      | 10.00    | ±9.6                   |
| 10659 | AAB | Pulse Waveform (200Hz, 20%)                            | Test      | 6.99     | ±9.6                   |
| 10660 | AAB | Pulse Waveform (200Hz, 40%)                            | Test      | 3.98     | ±9.6                   |
| 10661 | AAB | Pulse Waveform (200Hz, 60%)                            | Test      | 2.22     | ±9.6                   |
| 10662 | AAB | Pulse Waveform (200Hz, 80%)                            | Test      | 0.97     | ±9.6                   |
| 10670 | AAA | Bluetooth Low Energy                                   | Bluetooth | 2.19     | ±9.6                   |
| 10671 | AAC | IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)          | WLAN      | 9.09     | ±9.6                   |
| 10672 | AAC | IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)          | WLAN      | 8.57     | ±9.6                   |
| 10673 | AAC | IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)          | WLAN      | 8.78     | ±9.6                   |
| 10674 | AAC | IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)          | WLAN      | 8.74     | ±9.6                   |
| 10675 | AAC | IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)          | WLAN      | 8.90     | ±9.6                   |
| 10676 | AAC | IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)          | WLAN      | 8.77     | ±9.6                   |
| 10677 | AAC | IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)          | WLAN      | 8.73     | ±9.6                   |
| 10678 | AAC | IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)          | WLAN      | 8.78     | ±9.6                   |
| 10679 | AAC | IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)          | WLAN      | 8.89     | ±9.6                   |
| 10680 | AAC | IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)          | WLAN      | 8.80     | ±9.6                   |
| 10681 | AAC | IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)         | WLAN      | 8.62     | ±9.6                   |
| 10682 | AAC | IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)         | WLAN      | 8.83     | ±9.6                   |
| 10683 | AAC | IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle)          | WLAN      | 8.42     | ±9.6                   |
| 10684 | AAC | IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)          | WLAN      | 8.26     | ±9.6                   |
| 10685 | AAC | IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle)          | WLAN      | 8.33     | ±9.6                   |
| 10686 | AAC | IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)          | WLAN      | 8.28     | ±9.6                   |

| UID   | Rev | Communication System Name                      | Group | PAR (dB) | Unc <sup>E</sup> $k = 2$ |
|-------|-----|------------------------------------------------|-------|----------|--------------------------|
| 10687 | AAC | IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)  | WLAN  | 8.45     | ±9.6                     |
| 10688 | AAC | IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)  | WLAN  | 8.29     | ±9.6                     |
| 10689 | AAC | IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)  | WLAN  | 8.55     | ±9.6                     |
| 10690 | AAC | IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)  | WLAN  | 8.29     | ±9.6                     |
| 10691 | AAC | IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)  | WLAN  | 8.25     | ±9.6                     |
| 10692 | AAC | IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)  | WLAN  | 8.29     | ±9.6                     |
| 10693 | AAC | IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle) | WLAN  | 8.25     | ±9.6                     |
| 10694 | AAC | IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle) | WLAN  | 8.57     | ±9.6                     |
| 10695 | AAC | IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)  | WLAN  | 8.78     | ±9.6                     |
| 10696 | AAC | IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)  | WLAN  | 8.91     | ±9.6                     |
| 10697 | AAC | IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)  | WLAN  | 8.61     | ±9.6                     |
| 10698 | AAC | IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)  | WLAN  | 8.89     | ±9.6                     |
| 10699 | AAC | IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)  | WLAN  | 8.82     | ±9.6                     |
| 10700 | AAC | IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)  | WLAN  | 8.73     | ±9.6                     |
| 10701 | AAC | IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)  | WLAN  | 8.86     | ±9.6                     |
| 10702 | AAC | IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)  | WLAN  | 8.70     | ±9.6                     |
| 10703 | AAC | IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)  | WLAN  | 8.82     | ±9.6                     |
| 10704 | AAC | IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)  | WLAN  | 8.56     | ±9.6                     |
| 10705 | AAC | IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle) | WLAN  | 8.69     | ±9.6                     |
| 10706 | AAC | IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle) | WLAN  | 8.66     | ±9.6                     |
| 10707 | AAC | IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)  | WLAN  | 8.32     | ±9.6                     |
| 10708 | AAC | IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)  | WLAN  | 8.55     | ±9.6                     |
| 10709 | AAC | IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)  | WLAN  | 8.33     | ±9.6                     |
| 10710 | AAC | IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)  | WLAN  | 8.29     | ±9.6                     |
| 10711 | AAC | IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)  | WLAN  | 8.39     | ±9.6                     |
| 10712 | AAC | IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)  | WLAN  | 8.67     | ±9.6                     |
| 10713 | AAC | IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)  | WLAN  | 8.33     | ±9.6                     |
| 10714 | AAC | IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)  | WLAN  | 8.26     | ±9.6                     |
| 10715 | AAC | IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)  | WLAN  | 8.45     | ±9.6                     |
| 10716 | AAC | IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)  | WLAN  | 8.30     | ±9.6                     |
| 10717 | AAC | IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle) | WLAN  | 8.48     | ±9.6                     |
| 10718 | AAC | IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle) | WLAN  | 8.24     | ±9.6                     |
| 10719 | AAC | IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)  | WLAN  | 8.81     | ±9.6                     |
| 10720 | AAC | IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)  | WLAN  | 8.87     | ±9.6                     |
| 10721 | AAC | IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)  | WLAN  | 8.76     | ±9.6                     |
| 10722 | AAC | IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)  | WLAN  | 8.55     | ±9.6                     |
| 10723 | AAC | IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)  | WLAN  | 8.70     | ±9.6                     |
| 10724 | AAC | IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)  | WLAN  | 8.90     | ±9.6                     |
| 10725 | AAC | IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)  | WLAN  | 8.74     | ±9.6                     |
| 10726 | AAC | IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)  | WLAN  | 8.72     | ±9.6                     |
| 10727 | AAC | IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)  | WLAN  | 8.66     | ±9.6                     |
| 10728 | AAC | IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)  | WLAN  | 8.65     | ±9.6                     |
| 10729 | AAC | IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle) | WLAN  | 8.64     | ±9.6                     |
| 10730 | AAC | IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle) | WLAN  | 8.67     | ±9.6                     |
| 10731 | AAC | IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)  | WLAN  | 8.42     | ±9.6                     |
| 10732 | AAC | IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)  | WLAN  | 8.46     | ±9.6                     |
| 10733 | AAC | IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)  | WLAN  | 8.40     | ±9.6                     |
| 10734 | AAC | IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)  | WLAN  | 8.25     | ±9.6                     |
| 10735 | AAC | IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)  | WLAN  | 8.33     | ±9.6                     |
| 10736 | AAC | IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)  | WLAN  | 8.27     | ±9.6                     |
| 10737 | AAC | IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)  | WLAN  | 8.36     | ±9.6                     |
| 10738 | AAC | IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)  | WLAN  | 8.42     | ±9.6                     |
| 10739 | AAC | IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)  | WLAN  | 8.29     | ±9.6                     |
| 10740 | AAC | IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)  | WLAN  | 8.48     | ±9.6                     |
| 10741 | AAC | IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) | WLAN  | 8.40     | ±9.6                     |
| 10742 | AAC | IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle) | WLAN  | 8.43     | ±9.6                     |
| 10743 | AAC | IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle) | WLAN  | 8.94     | ±9.6                     |
| 10744 | AAC | IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle) | WLAN  | 9.16     | ±9.6                     |
| 10745 | AAC | IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle) | WLAN  | 8.93     | ±9.6                     |
| 10746 | AAC | IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) | WLAN  | 9.11     | ±9.6                     |
| 10747 | AAC | IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle) | WLAN  | 9.04     | ±9.6                     |
| 10748 | AAC | IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle) | WLAN  | 8.93     | ±9.6                     |
| 10749 | AAC | IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle) | WLAN  | 8.90     | ±9.6                     |
| 10750 | AAC | IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle) | WLAN  | 8.79     | ±9.6                     |
| 10751 | AAC | IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle) | WLAN  | 8.82     | ±9.6                     |
| 10752 | AAC | IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle) | WLAN  | 8.81     | ±9.6                     |

| UID   | Rev | Communication System Name                       | Group         | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|-------------------------------------------------|---------------|----------|------------------------|
| 10753 | AAC | IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle) | WLAN          | 9.00     | ±9.6                   |
| 10754 | AAC | IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle) | WLAN          | 8.94     | ±9.6                   |
| 10755 | AAC | IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)  | WLAN          | 8.64     | ±9.6                   |
| 10756 | AAC | IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)  | WLAN          | 8.77     | ±9.6                   |
| 10757 | AAC | IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle)  | WLAN          | 8.77     | ±9.6                   |
| 10758 | AAC | IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)  | WLAN          | 8.69     | ±9.6                   |
| 10759 | AAC | IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)  | WLAN          | 8.58     | ±9.6                   |
| 10760 | AAC | IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)  | WLAN          | 8.49     | ±9.6                   |
| 10761 | AAC | IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)  | WLAN          | 8.58     | ±9.6                   |
| 10762 | AAC | IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)  | WLAN          | 8.49     | ±9.6                   |
| 10763 | AAC | IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)  | WLAN          | 8.53     | ±9.6                   |
| 10764 | AAC | IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)  | WLAN          | 8.54     | ±9.6                   |
| 10765 | AAC | IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle) | WLAN          | 8.54     | ±9.6                   |
| 10766 | AAC | IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle) | WLAN          | 8.51     | ±9.6                   |
| 10767 | AAG | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)      | 5G NR FR1 TDD | 7.99     | ±9.6                   |
| 10768 | AAE | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)     | 5G NR FR1 TDD | 8.01     | ±9.6                   |
| 10769 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)     | 5G NR FR1 TDD | 8.01     | ±9.6                   |
| 10770 | AAE | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)     | 5G NR FR1 TDD | 8.02     | ±9.6                   |
| 10771 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)     | 5G NR FR1 TDD | 8.02     | ±9.6                   |
| 10772 | AAE | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)     | 5G NR FR1 TDD | 8.23     | ±9.6                   |
| 10773 | AAF | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)     | 5G NR FR1 TDD | 8.03     | ±9.6                   |
| 10774 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)     | 5G NR FR1 TDD | 8.02     | ±9.6                   |
| 10775 | AAF | 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.31     | ±9.6                   |
| 10776 | AAE | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.30     | ±9.6                   |
| 10777 | AAC | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.30     | ±9.6                   |
| 10778 | AAE | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.34     | ±9.6                   |
| 10779 | AAC | 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.42     | ±9.6                   |
| 10780 | AAE | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.38     | ±9.6                   |
| 10781 | AAF | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.38     | ±9.6                   |
| 10782 | AAE | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.43     | ±9.6                   |
| 10783 | AAG | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.31     | ±9.6                   |
| 10784 | AAE | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.29     | ±9.6                   |
| 10785 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.40     | ±9.6                   |
| 10786 | AAE | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.35     | ±9.6                   |
| 10787 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.44     | ±9.6                   |
| 10788 | AAE | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.39     | ±9.6                   |
| 10789 | AAF | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.37     | ±9.6                   |
| 10790 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.39     | ±9.6                   |
| 10791 | AAG | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 7.83     | ±9.6                   |
| 10792 | AAE | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.92     | ±9.6                   |
| 10793 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.95     | ±9.6                   |
| 10794 | AAE | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.82     | ±9.6                   |
| 10795 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.84     | ±9.6                   |
| 10796 | AAE | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.82     | ±9.6                   |
| 10797 | AAF | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 8.01     | ±9.6                   |
| 10798 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.89     | ±9.6                   |
| 10799 | AAF | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.93     | ±9.6                   |
| 10801 | AAF | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.89     | ±9.6                   |
| 10802 | AAE | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.87     | ±9.6                   |
| 10803 | AAF | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.93     | ±9.6                   |
| 10805 | AAE | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.34     | ±9.6                   |
| 10806 | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.37     | ±9.6                   |
| 10809 | AAE | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.34     | ±9.6                   |
| 10810 | AAF | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.34     | ±9.6                   |
| 10812 | AAF | 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.35     | ±9.6                   |
| 10817 | AAG | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.35     | ±9.6                   |
| 10818 | AAE | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.34     | ±9.6                   |
| 10819 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.33     | ±9.6                   |
| 10820 | AAE | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.30     | ±9.6                   |
| 10821 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.41     | ±9.6                   |
| 10822 | AAE | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.41     | ±9.6                   |
| 10823 | AAF | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.36     | ±9.6                   |
| 10824 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.39     | ±9.6                   |
| 10825 | AAF | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.41     | ±9.6                   |
| 10827 | AAF | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.42     | ±9.6                   |
| 10828 | AAE | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.43     | ±9.6                   |

| UID   | Rev | Communication System Name                            | Group         | PAR (dB) | Unc <sup>E</sup> $k = 2$ |
|-------|-----|------------------------------------------------------|---------------|----------|--------------------------|
| 10829 | AAF | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 8.40     | ±9.6                     |
| 10830 | AAE | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.63     | ±9.6                     |
| 10831 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.73     | ±9.6                     |
| 10832 | AAE | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.74     | ±9.6                     |
| 10833 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.70     | ±9.6                     |
| 10834 | AAE | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.75     | ±9.6                     |
| 10835 | AAF | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.70     | ±9.6                     |
| 10836 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.66     | ±9.6                     |
| 10837 | AAF | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.68     | ±9.6                     |
| 10839 | AAF | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.70     | ±9.6                     |
| 10840 | AAE | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.67     | ±9.6                     |
| 10841 | AAF | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)         | 5G NR FR1 TDD | 7.71     | ±9.6                     |
| 10843 | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)        | 5G NR FR1 TDD | 8.49     | ±9.6                     |
| 10844 | AAE | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)        | 5G NR FR1 TDD | 8.34     | ±9.6                     |
| 10846 | AAE | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)        | 5G NR FR1 TDD | 8.41     | ±9.6                     |
| 10854 | AAE | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.34     | ±9.6                     |
| 10855 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.36     | ±9.6                     |
| 10856 | AAE | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.37     | ±9.6                     |
| 10857 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.35     | ±9.6                     |
| 10858 | AAE | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.36     | ±9.6                     |
| 10859 | AAF | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.34     | ±9.6                     |
| 10860 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.41     | ±9.6                     |
| 10861 | AAF | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.40     | ±9.6                     |
| 10863 | AAF | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.41     | ±9.6                     |
| 10864 | AAE | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.37     | ±9.6                     |
| 10865 | AAF | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)      | 5G NR FR1 TDD | 8.41     | ±9.6                     |
| 10866 | AAF | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 5.68     | ±9.6                     |
| 10868 | AAF | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.89     | ±9.6                     |
| 10869 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)     | 5G NR FR2 TDD | 5.75     | ±9.6                     |
| 10870 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)  | 5G NR FR2 TDD | 5.86     | ±9.6                     |
| 10871 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)    | 5G NR FR2 TDD | 5.75     | ±9.6                     |
| 10872 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.52     | ±9.6                     |
| 10873 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)    | 5G NR FR2 TDD | 6.61     | ±9.6                     |
| 10874 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65     | ±9.6                     |
| 10875 | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)        | 5G NR FR2 TDD | 7.78     | ±9.6                     |
| 10876 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)     | 5G NR FR2 TDD | 8.39     | ±9.6                     |
| 10877 | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)       | 5G NR FR2 TDD | 7.95     | ±9.6                     |
| 10878 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)    | 5G NR FR2 TDD | 8.41     | ±9.6                     |
| 10879 | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)       | 5G NR FR2 TDD | 8.12     | ±9.6                     |
| 10880 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)    | 5G NR FR2 TDD | 8.38     | ±9.6                     |
| 10881 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)      | 5G NR FR2 TDD | 5.75     | ±9.6                     |
| 10882 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)   | 5G NR FR2 TDD | 5.96     | ±9.6                     |
| 10883 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)     | 5G NR FR2 TDD | 6.57     | ±9.6                     |
| 10884 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)  | 5G NR FR2 TDD | 6.53     | ±9.6                     |
| 10885 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)     | 5G NR FR2 TDD | 6.61     | ±9.6                     |
| 10886 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)  | 5G NR FR2 TDD | 6.65     | ±9.6                     |
| 10887 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)         | 5G NR FR2 TDD | 7.78     | ±9.6                     |
| 10888 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)      | 5G NR FR2 TDD | 8.35     | ±9.6                     |
| 10889 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)        | 5G NR FR2 TDD | 8.02     | ±9.6                     |
| 10890 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)     | 5G NR FR2 TDD | 8.40     | ±9.6                     |
| 10891 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)        | 5G NR FR2 TDD | 8.13     | ±9.6                     |
| 10892 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)     | 5G NR FR2 TDD | 8.41     | ±9.6                     |
| 10897 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)        | 5G NR FR1 TDD | 5.66     | ±9.6                     |
| 10898 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.67     | ±9.6                     |
| 10899 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.67     | ±9.6                     |
| 10900 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                     |
| 10901 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                     |
| 10902 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                     |
| 10903 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                     |
| 10904 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                     |
| 10905 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                     |
| 10906 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                     |
| 10907 | AAE | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 5.78     | ±9.6                     |
| 10908 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.93     | ±9.6                     |
| 10909 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.96     | ±9.6                     |
| 10910 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.83     | ±9.6                     |

| UID   | Rev | Communication System Name                           | Group         | PAR (dB) | Unc <sup>F</sup> k = 2 |
|-------|-----|-----------------------------------------------------|---------------|----------|------------------------|
| 10911 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.93     | ±9.6                   |
| 10912 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.84     | ±9.6                   |
| 10913 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.84     | ±9.6                   |
| 10914 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.85     | ±9.6                   |
| 10915 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.83     | ±9.6                   |
| 10916 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.87     | ±9.6                   |
| 10917 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.94     | ±9.6                   |
| 10918 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.86     | ±9.6                   |
| 10919 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.86     | ±9.6                   |
| 10920 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.87     | ±9.6                   |
| 10921 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84     | ±9.6                   |
| 10922 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.82     | ±9.6                   |
| 10923 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84     | ±9.6                   |
| 10924 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84     | ±9.6                   |
| 10925 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.95     | ±9.6                   |
| 10926 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84     | ±9.6                   |
| 10927 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.94     | ±9.6                   |
| 10928 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)       | 5G NR FR1 FDD | 5.52     | ±9.6                   |
| 10929 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.52     | ±9.6                   |
| 10930 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.52     | ±9.6                   |
| 10931 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51     | ±9.6                   |
| 10932 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51     | ±9.6                   |
| 10933 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51     | ±9.6                   |
| 10934 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51     | ±9.6                   |
| 10935 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51     | ±9.6                   |
| 10936 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)     | 5G NR FR1 FDD | 5.90     | ±9.6                   |
| 10937 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.77     | ±9.6                   |
| 10938 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.90     | ±9.6                   |
| 10939 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.82     | ±9.6                   |
| 10940 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.89     | ±9.6                   |
| 10941 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.83     | ±9.6                   |
| 10942 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.85     | ±9.6                   |
| 10943 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.95     | ±9.6                   |
| 10944 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.81     | ±9.6                   |
| 10945 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.85     | ±9.6                   |
| 10946 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.83     | ±9.6                   |
| 10947 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.87     | ±9.6                   |
| 10948 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.94     | ±9.6                   |
| 10949 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.87     | ±9.6                   |
| 10950 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.94     | ±9.6                   |
| 10951 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.92     | ±9.6                   |
| 10952 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)   | 5G NR FR1 FDD | 8.25     | ±9.6                   |
| 10953 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.15     | ±9.6                   |
| 10954 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.23     | ±9.6                   |
| 10955 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.42     | ±9.6                   |
| 10956 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 FDD | 8.14     | ±9.6                   |
| 10957 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.31     | ±9.6                   |
| 10958 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.61     | ±9.6                   |
| 10959 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.33     | ±9.6                   |
| 10960 | AAE | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)   | 5G NR FR1 TDD | 9.32     | ±9.6                   |
| 10961 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.36     | ±9.6                   |
| 10962 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.40     | ±9.6                   |
| 10963 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.55     | ±9.6                   |
| 10964 | AAE | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 TDD | 9.29     | ±9.6                   |
| 10965 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.37     | ±9.6                   |
| 10966 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.55     | ±9.6                   |
| 10967 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.42     | ±9.6                   |
| 10968 | AAD | 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.49     | ±9.6                   |
| 10972 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         | 5G NR FR1 TDD | 11.59    | ±9.6                   |
| 10973 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 9.06     | ±9.6                   |
| 10974 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)  | 5G NR FR1 TDD | 10.28    | ±9.6                   |
| 10978 | AAA | ULLA BDR                                            | ULLA          | 1.16     | ±9.6                   |
| 10979 | AAA | ULLA HDR4                                           | ULLA          | 8.58     | ±9.6                   |
| 10980 | AAA | ULLA HDR8                                           | ULLA          | 10.32    | ±9.6                   |
| 10981 | AAA | ULLA HDRp4                                          | ULLA          | 3.19     | ±9.6                   |
| 10982 | AAA | ULLA HDRp8                                          | ULLA          | 3.43     | ±9.6                   |

| UID   | Rev | Communication System Name                          | Group         | PAR (dB) | Unc <sup>E</sup> $k = 2$ |
|-------|-----|----------------------------------------------------|---------------|----------|--------------------------|
| 10983 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.31     | ±9.6                     |
| 10984 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.42     | ±9.6                     |
| 10985 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.54     | ±9.6                     |
| 10986 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.50     | ±9.6                     |
| 10987 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.53     | ±9.6                     |
| 10988 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.38     | ±9.6                     |
| 10989 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.33     | ±9.6                     |
| 10990 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.52     | ±9.6                     |
| 11003 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 10.24    | ±9.6                     |
| 11004 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 10.73    | ±9.6                     |
| 11005 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.70     | ±9.6                     |
| 11006 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.55     | ±9.6                     |
| 11007 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.46     | ±9.6                     |
| 11008 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.51     | ±9.6                     |
| 11009 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.76     | ±9.6                     |
| 11010 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.95     | ±9.6                     |
| 11011 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.96     | ±9.6                     |
| 11012 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.68     | ±9.6                     |
| 11013 | AAB | IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)     | WLAN          | 8.47     | ±9.6                     |
| 11014 | AAB | IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)     | WLAN          | 8.45     | ±9.6                     |
| 11015 | AAB | IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)     | WLAN          | 8.44     | ±9.6                     |
| 11016 | AAB | IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)     | WLAN          | 8.44     | ±9.6                     |
| 11017 | AAB | IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)     | WLAN          | 8.41     | ±9.6                     |
| 11018 | AAB | IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)     | WLAN          | 8.40     | ±9.6                     |
| 11019 | AAB | IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)     | WLAN          | 8.29     | ±9.6                     |
| 11020 | AAB | IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)     | WLAN          | 8.27     | ±9.6                     |
| 11021 | AAB | IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)     | WLAN          | 8.46     | ±9.6                     |
| 11022 | AAB | IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)    | WLAN          | 8.36     | ±9.6                     |
| 11023 | AAB | IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)    | WLAN          | 8.09     | ±9.6                     |
| 11024 | AAB | IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)    | WLAN          | 8.42     | ±9.6                     |
| 11025 | AAB | IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)    | WLAN          | 8.37     | ±9.6                     |
| 11026 | AAB | IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle)     | WLAN          | 8.39     | ±9.6                     |

<sup>E</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.