

Test Laboratory: Sporton International Inc.

Device Under Test Properties

|              |                       |      |          |
|--------------|-----------------------|------|----------|
| Manufacturer | Dimensions [mm]       | IMEI | DUT Type |
|              | 100.0 x 100.0 x 100.0 |      | Phone    |

Exposure Conditions

|                 |                              |                 |                   |
|-----------------|------------------------------|-----------------|-------------------|
| Phantom Section | Position, Test Distance [mm] | Frequency [MHz] | Conversion Factor |
| 5G              | FRONT, 5.55                  | 30000.0         | 1.0               |

Hardware Setup

|               |        |                                       |                         |
|---------------|--------|---------------------------------------|-------------------------|
| Phantom       | Medium | Probe, Calibration Date               | DAE, Calibration Date   |
| mmWave – xxxx | Air –  | EUmmWV4 – SN9461_F1–78GHz, 2019–11–05 | DAE4 Sn1424, 2020–01–24 |

Scans Setup

|                     |             |
|---------------------|-------------|
| Grid Extents [mm]   | 60.0 x 60.0 |
| Grid Steps [lambda] | 0.25 x 0.25 |
| Sensor Surface [mm] | 5.55        |

Measurement Results

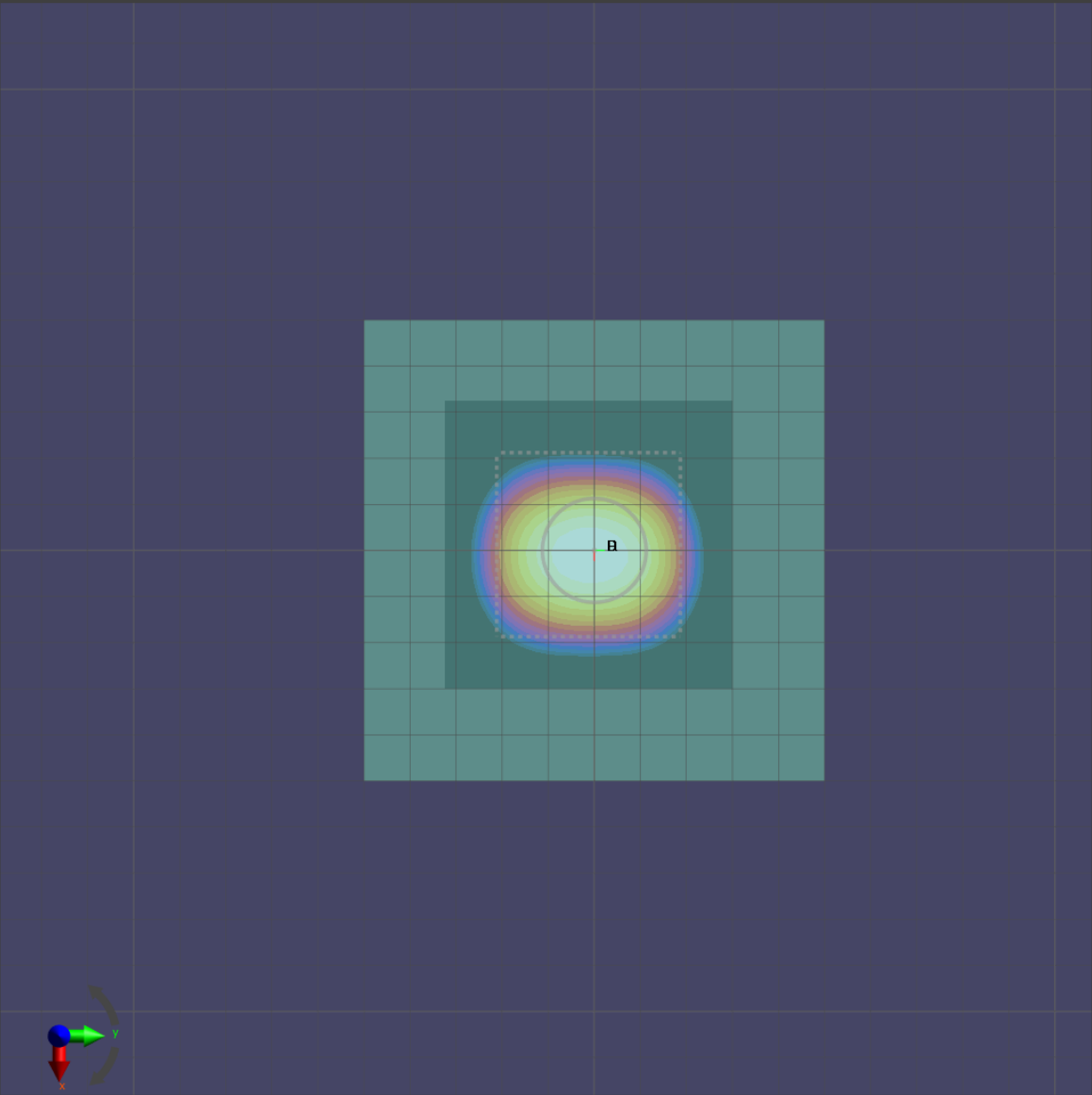
|                                          |                   |
|------------------------------------------|-------------------|
| Date                                     | 2020–05–31, 01:13 |
| Avg. Area [cm <sup>2</sup> ]             | 4.00              |
| S <sub>avg inc</sub> [W/m <sup>2</sup> ] | 30.7              |
| S <sub>avg tot</sub> [W/m <sup>2</sup> ] | 31.2              |
| S <sub>peak</sub> [W/m <sup>2</sup> ]    | 45.2              |
| E <sub>peak</sub> [V/m]                  | 130               |
| H <sub>peak</sub> [A/m]                  | 0.351             |
| Power Drift [dB]                         | –0.04             |

Averaged [4.0 cm<sup>2</sup>] |Re{S}|(x,y,z,f0) [dB(31.2W/m<sup>2</sup>)]

0



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Exposure Conditions

|                 |                              |                 |                   |
|-----------------|------------------------------|-----------------|-------------------|
| Phantom Section | Position, Test Distance [mm] | Frequency [MHz] | Conversion Factor |
| 5G              | FRONT, 5.55                  | 30000.0         | 1.0               |

Hardware Setup

|               |        |                                       |                         |
|---------------|--------|---------------------------------------|-------------------------|
| Phantom       | Medium | Probe, Calibration Date               | DAE, Calibration Date   |
| mmWave – xxxx | Air –  | EUmmWV4 – SN9461_F1–78GHz, 2019–11–05 | DAE4 Sn1424, 2020–01–24 |

Scans Setup

|                     |             |
|---------------------|-------------|
| Grid Extents [mm]   | 60.0 x 60.0 |
| Grid Steps [lambda] | 0.25 x 0.25 |
| Sensor Surface [mm] | 5.55        |

Measurement Results

|                                          |                   |
|------------------------------------------|-------------------|
| Date                                     | 2020–06–16, 06:26 |
| Avg. Area [cm <sup>2</sup> ]             | 4.00              |
| S <sub>avg inc</sub> [W/m <sup>2</sup> ] | 32.5              |
| S <sub>avg tot</sub> [W/m <sup>2</sup> ] | 33.1              |
| S <sub>peak</sub> [W/m <sup>2</sup> ]    | 48.1              |
| E <sub>peak</sub> [V/m]                  | 132               |
| H <sub>peak</sub> [A/m]                  | 0.365             |
| Power Drift [dB]                         | –0.01             |

Averaged [4.0 cm<sup>2</sup>] |Re{S}|(x,y,z,f0) [dB(33.1W/m<sup>2</sup>)]



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|--------------|-----------------------|------|----------|
|              | 100.0 x 100.0 x 100.0 |      | Phone    |

Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Frequency [MHz] | Conversion Factor |
|-----------------|------------------------------|-----------------|-------------------|
| 5G              | FRONT, 5.55                  | 30000.0         | 1.0               |

Hardware Setup

| Phantom       | Medium | Probe, Calibration Date               | DAE, Calibration Date   |
|---------------|--------|---------------------------------------|-------------------------|
| mmWave – xxxx | Air –  | EUmmWV4 – SN9461_F1–78GHz, 2019–11–05 | DAE4 Sn1424, 2020–01–24 |

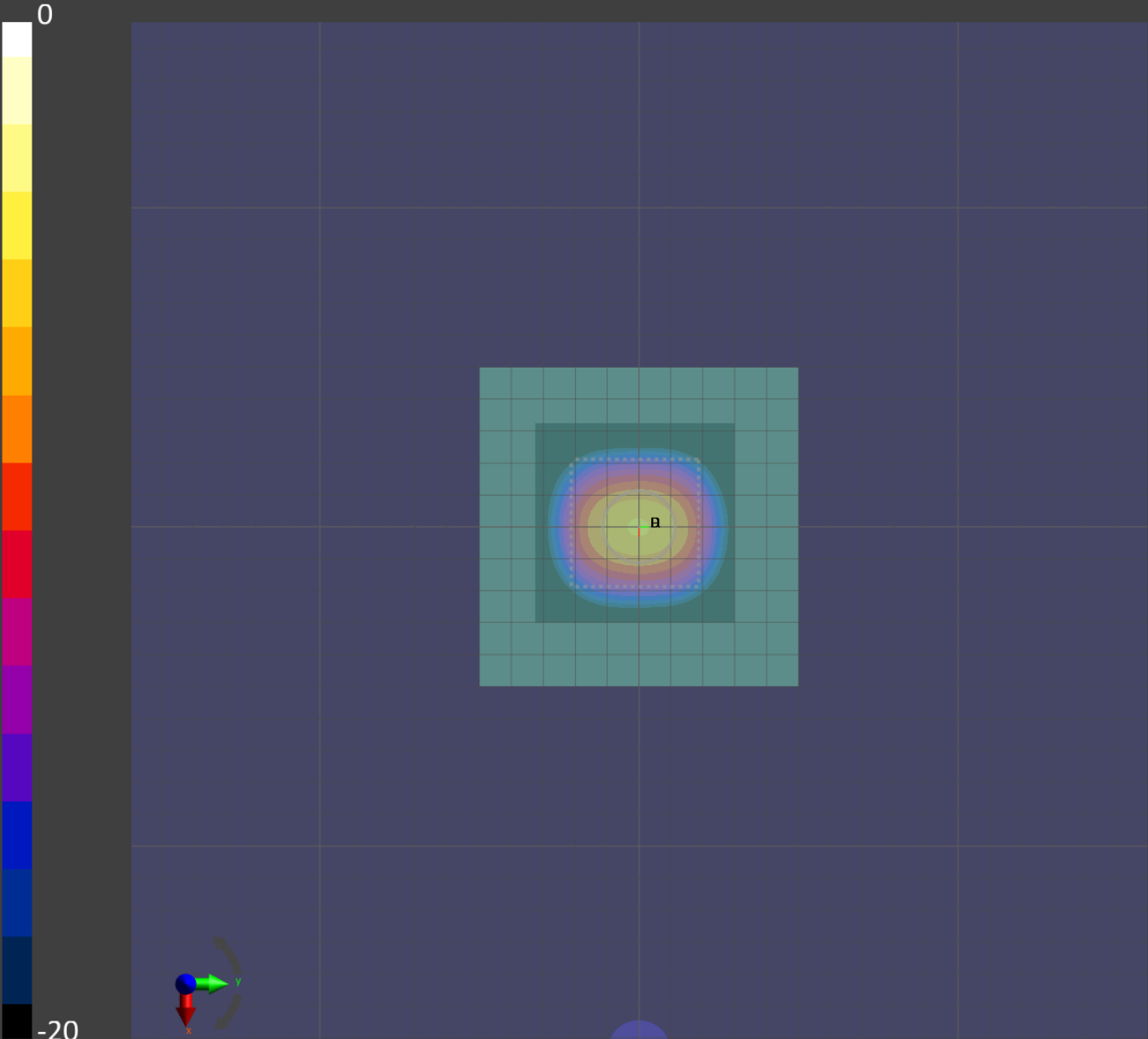
Scans Setup

|                     |             |
|---------------------|-------------|
| Grid Extents [mm]   | 60.0 x 60.0 |
| Grid Steps [lambda] | 0.25 x 0.25 |
| Sensor Surface [mm] | 5.55        |

Measurement Results

|                                          |                   |
|------------------------------------------|-------------------|
| Date                                     | 2020–06–19, 13:56 |
| Avg. Area [cm <sup>2</sup> ]             | 4.00              |
| S <sub>avg inc</sub> [W/m <sup>2</sup> ] | 31.7              |
| S <sub>avg tot</sub> [W/m <sup>2</sup> ] | 32.1              |
| S <sub>peak</sub> [W/m <sup>2</sup> ]    | 47.7              |
| E <sub>peak</sub> [V/m]                  | 131               |
| H <sub>peak</sub> [A/m]                  | 0.364             |
| Power Drift [dB]                         | 0.02              |

Averaged [4.0 cm<sup>2</sup>] |Re{S}|(x,y,z,f0) [dB(131W/m<sup>2</sup>)]



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|              | 100.0 x 100.0 x 100.0 |      | Phone    |

Exposure Conditions

|                 |                              |                 |                   |
|-----------------|------------------------------|-----------------|-------------------|
| Phantom Section | Position, Test Distance [mm] | Frequency [MHz] | Conversion Factor |
| 5G              | FRONT, 5.55                  | 30000.0         | 1.0               |

Hardware Setup

|               |        |                                       |                         |
|---------------|--------|---------------------------------------|-------------------------|
| Phantom       | Medium | Probe, Calibration Date               | DAE, Calibration Date   |
| mmWave – xxxx | Air –  | EUmmWV4 – SN9461_F1–78GHz, 2019–11–05 | DAE4 Sn1424, 2020–01–24 |

Scans Setup

|                     |             |
|---------------------|-------------|
| Grid Extents [mm]   | 60.0 x 60.0 |
| Grid Steps [lambda] | 0.25 x 0.25 |
| Sensor Surface [mm] | 5.55        |

Measurement Results

|                                          |                   |
|------------------------------------------|-------------------|
| Date                                     | 2020–07–16, 15:10 |
| Avg. Area [cm <sup>2</sup> ]             | 4.00              |
| S <sub>avg inc</sub> [W/m <sup>2</sup> ] | 31.3              |
| S <sub>avg tot</sub> [W/m <sup>2</sup> ] | 31.8              |
| S <sub>peak</sub> [W/m <sup>2</sup> ]    | 47.7              |
| E <sub>peak</sub> [V/m]                  | 131               |
| H <sub>peak</sub> [A/m]                  | 0.366             |
| Power Drift [dB]                         | –0.01             |

Averaged [4.0 cm<sup>2</sup>] |Re{S}|(x,y,z,f0) [dB(131W/m<sup>2</sup>)]

