

ANNEX A – TEST PLOTS

Plots of System Check

Measurement Report for Device, FRONT, Validation band, CW, Channel 10000 (10000.0 MHz)

Device Under Test Properties

| Model, Manufacturer | Dimensions [mm]       | IMEI | DUT Type |
|---------------------|-----------------------|------|----------|
| Device,             | 100.0 x 100.0 x 100.0 |      | Dipole   |

Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band            | Group, UID | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|-----------------|------------|---------------------------------|-------------------|
| 5G              | FRONT, 10.00                 | Validation band | CW, 0--    | 10000.0, 10000                  | 1.0               |

Hardware Setup

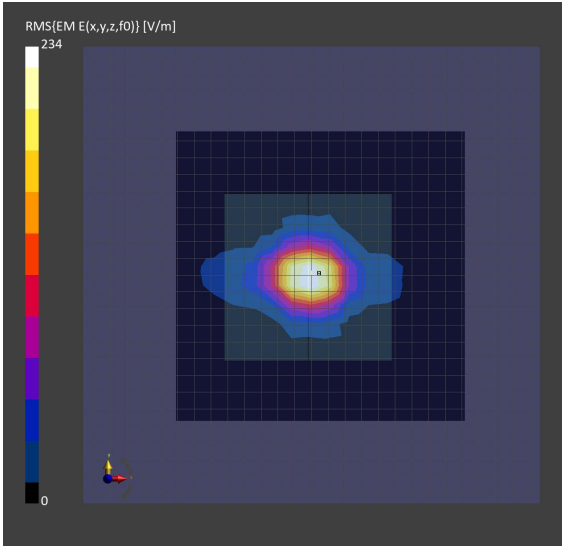
| Phantom       | Medium | Probe, Calibration Date              | DAE, Calibration Date  |
|---------------|--------|--------------------------------------|------------------------|
| mmWave - 1087 | Air -  | EUmmWV4 - SN9533_F1-55GHz, 2023-8-18 | DAE4 Sn546, 2023-09-15 |

Scans Setup

|                     |               |
|---------------------|---------------|
| Scan Type<br>Scan   | 5G            |
| Grid Extents [mm]   | 120.0 x 120.0 |
| Grid Steps [lambda] | 0.15 x 0.15   |
| Sensor Surface [mm] | 10.0          |
| MAIA                | N/A           |

Measurement Results

|                              |                  |
|------------------------------|------------------|
| Scan Type                    | 5G Scan          |
| Date                         | 2024-08-08, 7:36 |
| Avg. Area [cm <sup>2</sup> ] | 4.00             |
| psPDn+ [W/m <sup>2</sup> ]   | 143              |
| psPDtot+ [W/m <sup>2</sup> ] | 148              |
| psPDmod+ [W/m <sup>2</sup> ] | 151              |
| E <sub>max</sub> [V/m]       | 234              |
| Power Drift [dB]             | -0.14            |



Measurement Report for Device, EDGE LEFT, U-NII-5, IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 47 (6185.0 MHz)

Device Under Test Properties

| Model, Manufacturer | Dimensions [mm]     | IMEI | DUT Type |
|---------------------|---------------------|------|----------|
| Device,             | 165.0 x 76.0 x 16.0 |      | Phone    |

Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band    | Group, UID      | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|---------|-----------------|---------------------------------|-------------------|
| 5G              | EDGE LEFT, 2.00              | U-NII-5 | WLAN, 10755-AAC | 6185.0, 47                      | 1.0               |

Hardware Setup

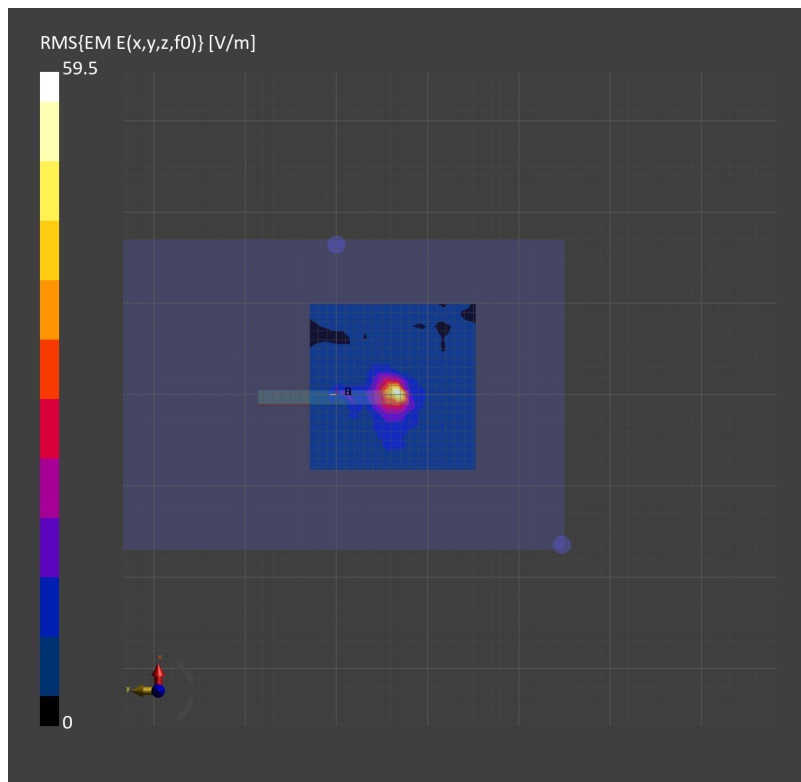
| Phantom       | Medium | Probe, Calibration Date             | DAE, Calibration Date  |
|---------------|--------|-------------------------------------|------------------------|
| mmWave – 1087 | Air –  | EUmmWV4 – SN9533_F1–55GHz,2023–8–18 | DAE4 Sn546, 2023–09–15 |

Scans Setup

|                     |             |
|---------------------|-------------|
| Scan Type           | 5G Scan     |
| Grid Extents [mm]   | 25.0 x 25.0 |
| Grid Steps [lambda] | 0.25 x 0.25 |
| Sensor Surface [mm] | 2.0         |
| MAIA                | Y           |

Measurement Results

|                              |                   |
|------------------------------|-------------------|
| Scan Type                    | 5G Scan           |
| Date                         | 2024–08–08, 12:34 |
| Avg. Area [cm <sup>2</sup> ] | 4.00              |
| psPDn+ [W/m <sup>2</sup> ]   | 1.55              |
| psPDtot+ [W/m <sup>2</sup> ] | 2.03              |
| psPDmod+ [W/m <sup>2</sup> ] | 2.49              |
| E <sub>max</sub> [V/m]       | 59.6              |
| Power Drift [dB]             | 0.02              |



Measurement Report for Device, EDGE LEFT, U-NII-5, IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 79 (6345.0 MHz)

Device Under Test Properties

| Model, Manufacturer | Dimensions [mm]     | IMEI | DUT Type |
|---------------------|---------------------|------|----------|
| Device,             | 165.0 x 76.0 x 16.0 |      | Phone    |

Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band    | Group, UID      | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|---------|-----------------|---------------------------------|-------------------|
| 5G              | EDGE LEFT, 2.00              | U-NII-5 | WLAN, 10755-AAC | 6345.0, 79                      | 1.0               |

Hardware Setup

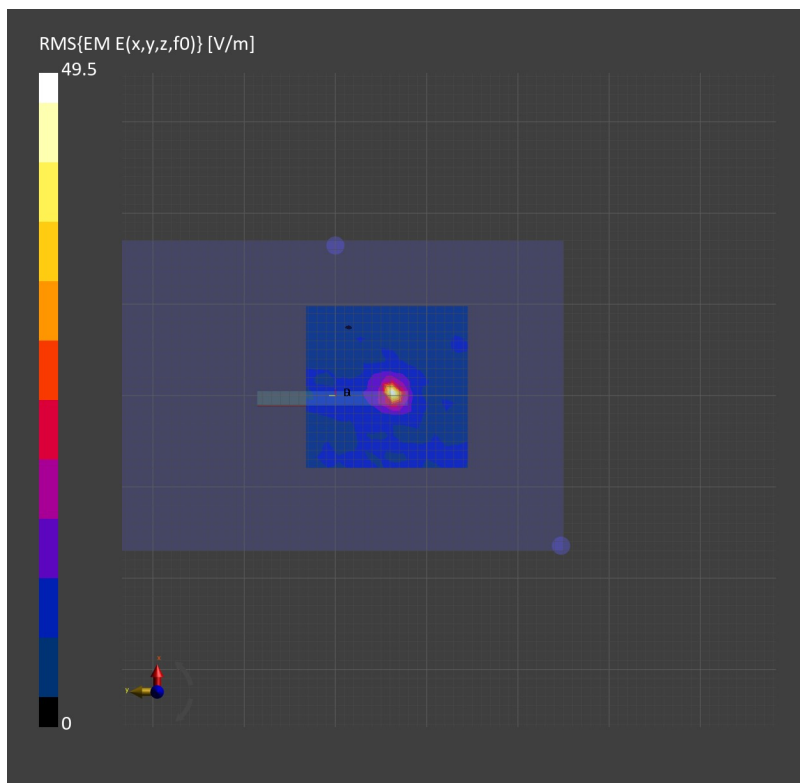
| Phantom       | Medium | Probe, Calibration Date             | DAE, Calibration Date  |
|---------------|--------|-------------------------------------|------------------------|
| mmWave – 1087 | Air –  | EUmmWV4 – SN9533_F1–55GHz,2023–8–18 | DAE4 Sn546, 2023–09–15 |

Scans Setup

| Scan Type           | 5G Scan     |
|---------------------|-------------|
| Grid Extents [mm]   | 25.0 x 25.0 |
| Grid Steps [lambda] | 0.25 x 0.25 |
| Sensor Surface [mm] | 2.0         |
| MAIA                | Y           |

Measurement Results

| Scan Type                    | 5G Scan           |
|------------------------------|-------------------|
| Date                         | 2024–08–08, 13:17 |
| Avg. Area [cm <sup>2</sup> ] | 4.00              |
| psPDn+ [W/m <sup>2</sup> ]   | 0.906             |
| psPDtot+ [W/m <sup>2</sup> ] | 1.77              |
| psPDmod+ [W/m <sup>2</sup> ] | 1.94              |
| E <sub>max</sub> [V/m]       | 49.5              |
| Power Drift [dB]             | –0.10             |



Measurement Report for Device, EDGE RIGHT, U-NII-6, IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 111 (6505.0 MHz)

Device Under Test Properties

| Model, Manufacturer | Dimensions [mm]     | IMEI | DUT Type |
|---------------------|---------------------|------|----------|
| Device,             | 165.0 x 76.0 x 16.0 |      | Phone    |

Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band    | Group, UID      | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|---------|-----------------|---------------------------------|-------------------|
| 5G              | EDGE RIGHT, 2.00             | U-NII-6 | WLAN, 10755-AAC | 6505.0, 111                     | 1.0               |

Hardware Setup

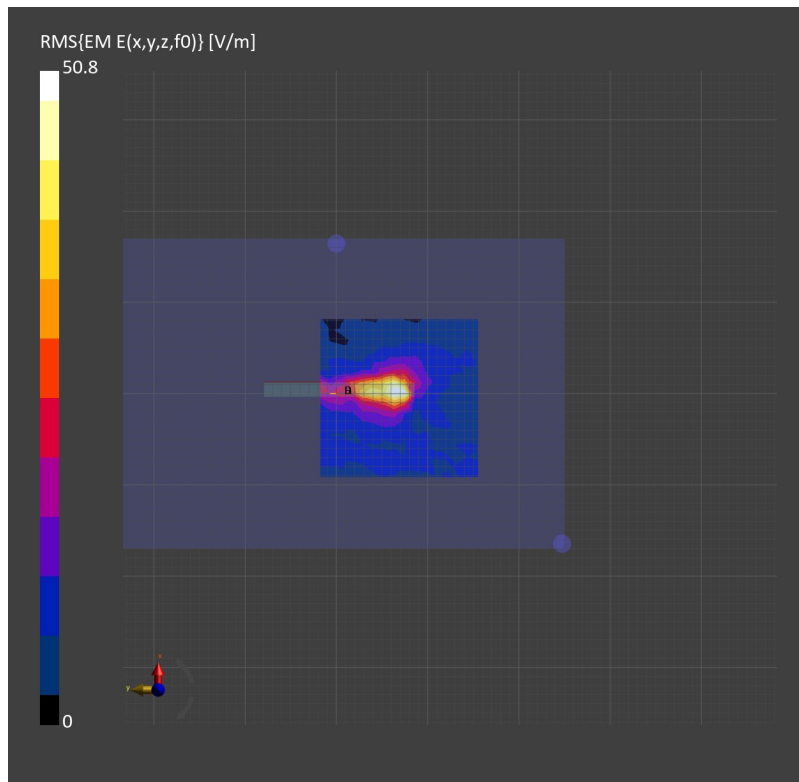
| Phantom       | Medium | Probe, Calibration Date             | DAE, Calibration Date  |
|---------------|--------|-------------------------------------|------------------------|
| mmWave – 1087 | Air –  | EUmmWV4 – SN9533_F1-55GHz,2023-8-18 | DAE4 Sn546, 2023-09-15 |

Scans Setup

| Scan Type           | 5G Scan     |
|---------------------|-------------|
| Grid Extents [mm]   | 25.0 x 25.0 |
| Grid Steps [lambda] | 0.25 x 0.25 |
| Sensor Surface [mm] | 2.0         |
| MAIA                | Y           |

Measurement Results

| Scan Type                    | 5G Scan           |
|------------------------------|-------------------|
| Date                         | 2024-08-08, 10:30 |
| Avg. Area [cm <sup>2</sup> ] | 4.00              |
| psPDn+ [W/m <sup>2</sup> ]   | 2.66              |
| psPDtot+ [W/m <sup>2</sup> ] | 3.00              |
| psPDmod+ [W/m <sup>2</sup> ] | 3.59              |
| E <sub>max</sub> [V/m]       | 50.8              |
| Power Drift [dB]             | -0.07             |



Measurement Report for Device, EDGE RIGHT, U-NII-7, IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 175 (6825.0 MHz)

Device Under Test Properties

| Model, Manufacturer | Dimensions [mm]     | IMEI | DUT Type |
|---------------------|---------------------|------|----------|
| Device,             | 165.0 x 76.0 x 16.0 |      | Phone    |

Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band    | Group, UID      | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|---------|-----------------|---------------------------------|-------------------|
| 5G              | EDGE RIGHT, 2.00             | U-NII-7 | WLAN, 10755-AAC | 6825.0, 175                     | 1.0               |

Hardware Setup

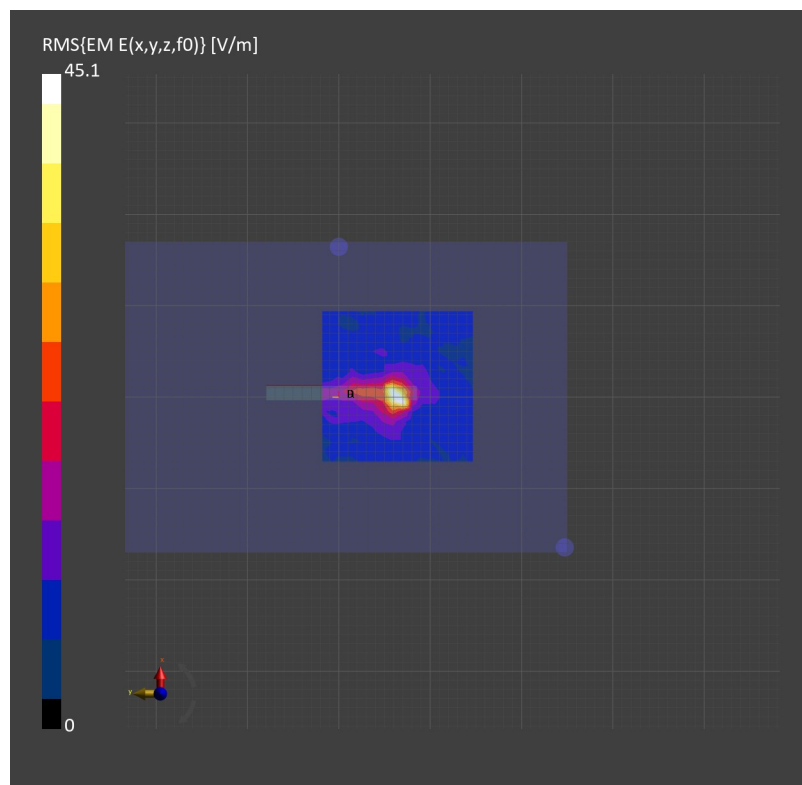
| Phantom       | Medium | Probe, Calibration Date             | DAE, Calibration Date  |
|---------------|--------|-------------------------------------|------------------------|
| mmWave - 1087 | Air -  | EUmmWV4 - SN9533_F1-55GHz,2023-8-18 | DAE4 Sn546, 2023-09-15 |

Scans Setup

| Scan Type           | 5G Scan     |
|---------------------|-------------|
| Grid Extents [mm]   | 25.0 x 25.0 |
| Grid Steps [lambda] | 0.25 x 0.25 |
| Sensor Surface [mm] | 2.0         |
| MAIA                | Y           |

Measurement Results

| Scan Type                    | 5G Scan           |
|------------------------------|-------------------|
| Date                         | 2024-08-08, 11:03 |
| Avg. Area [cm <sup>2</sup> ] | 4.00              |
| psPDn+ [W/m <sup>2</sup> ]   | 2.08              |
| psPDtot+ [W/m <sup>2</sup> ] | 2.32              |
| psPDmod+ [W/m <sup>2</sup> ] | 2.77              |
| E <sub>max</sub> [V/m]       | 45.1              |
| Power Drift [dB]             | 0.03              |



Measurement Report for Device, EDGE RIGHT, U-NII-8, IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 207 (6985.0 MHz)

Device Under Test Properties

| Model, Manufacturer | Dimensions [mm]     | IMEI | DUT Type |
|---------------------|---------------------|------|----------|
| Device,             | 165.0 x 76.0 x 16.0 |      | Phone    |

Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band    | Group, UID      | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|---------|-----------------|---------------------------------|-------------------|
| 5G              | EDGE RIGHT, 2.00             | U-NII-8 | WLAN, 10755-AAC | 6985.0, 207                     | 1.0               |

Hardware Setup

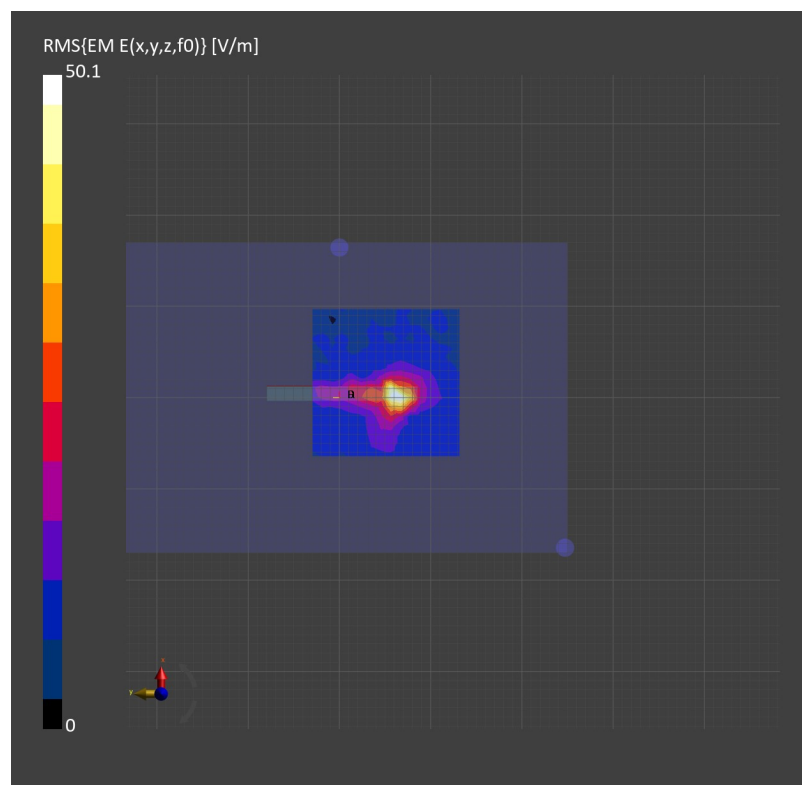
| Phantom       | Medium | Probe, Calibration Date             | DAE, Calibration Date  |
|---------------|--------|-------------------------------------|------------------------|
| mmWave - 1087 | Air -  | EUmmWV4 - SN9533_F1-55GHz,2023-8-18 | DAE4 Sn546, 2023-09-15 |

Scans Setup

| Scan Type           | 5G Scan     |
|---------------------|-------------|
| Grid Extents [mm]   | 25.0 x 25.0 |
| Grid Steps [lambda] | 0.25 x 0.25 |
| Sensor Surface [mm] | 2.0         |
| MAIA                | Y           |

Measurement Results

| Scan Type                    | 5G Scan           |
|------------------------------|-------------------|
| Date                         | 2024-08-08, 11:36 |
| Avg. Area [cm <sup>2</sup> ] | 4.00              |
| psPDn+ [W/m <sup>2</sup> ]   | 2.70              |
| psPDtot+ [W/m <sup>2</sup> ] | 3.15              |
| psPDmod+ [W/m <sup>2</sup> ] | 3.71              |
| E <sub>max</sub> [V/m]       | 50.1              |
| Power Drift [dB]             | 0.21              |



Measurement Report for Device, EDGE RIGHT, U-NII-6, IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 111 (6505.0 MHz)

Device Under Test Properties

| Model, Manufacturer | Dimensions [mm]     | IMEI | DUT Type |
|---------------------|---------------------|------|----------|
| Device,             | 165.0 x 76.0 x 18.0 |      | Phone    |

Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band    | Group, UID      | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|---------|-----------------|---------------------------------|-------------------|
| 5G              | EDGE RIGHT, 2.00             | U-NII-6 | WLAN, 10755-AAC | 6505.0, 111                     | 1.0               |

Hardware Setup

| Phantom       | Medium | Probe, Calibration Date             | DAE, Calibration Date  |
|---------------|--------|-------------------------------------|------------------------|
| mmWave – 1087 | Air –  | EUmmWV4 – SN9533_F1-55GHz,2023-8-18 | DAE4 Sn546, 2023-09-15 |

Scans Setup

|                     |             |
|---------------------|-------------|
| Scan Type           | 5G Scan     |
| Grid Extents [mm]   | 25.0 x 25.0 |
| Grid Steps [lambda] | 0.25 x 0.25 |
| Sensor Surface [mm] | 2.0         |
| MAIA                | Y           |

Measurement Results

|                              |                   |
|------------------------------|-------------------|
| Scan Type                    | 5G Scan           |
| Date                         | 2024-08-08, 17:06 |
| Avg. Area [cm <sup>2</sup> ] | 4.00              |
| psPDn+ [W/m <sup>2</sup> ]   | 1.73              |
| psPDtot+ [W/m <sup>2</sup> ] | 1.88              |
| psPDmod+ [W/m <sup>2</sup> ] | 2.15              |
| E <sub>max</sub> [V/m]       | 40.2              |
| Power Drift [dB]             | -0.01             |

