

## 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

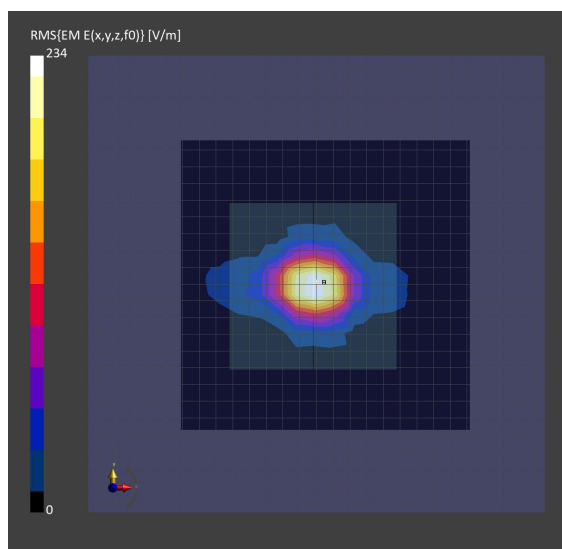
| Phantom       | Medium | Probe, Calibration Date              | DAE, Calibration Date |
|---------------|--------|--------------------------------------|-----------------------|
| mmWave - 1087 | Air -  | EUmmWV4 - SN9533_F1-55GHz, 2023-8-18 | DAE4 Sn546, 2023-9-15 |

#### 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                         | 2024-04-10, 12:53 |
| Avg. Area [cm <sup>2</sup> ] | 4.00              |
| psPDn+ [W/m <sup>2</sup> ]   | 142               |
| psPDtot+ [W/m <sup>2</sup> ] | 145               |
| psPDmod+ [W/m <sup>2</sup> ] | 148               |
| E <sub>max</sub> [V/m]       | 234               |
| Power Drift [dB]             | -0.13             |



Measurement Report for Device, BACK, U-NII-5, IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle), Channel 1 (5955.0 MHz)

Device Under Test Properties

| Model, Manufacturer | Dimensions [mm]     | IMEI | DUT Type |
|---------------------|---------------------|------|----------|
| Device,             | 175.0 x 83.0 x 15.0 |      | Phone    |

Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band    | Group, UID      | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|---------|-----------------|---------------------------------|-------------------|
| 5G              | BACK, 2.00                   | U-NII-5 | WLAN, 10683-AAC | 5955.0, 3                       | 1.0               |

Hardware Setup

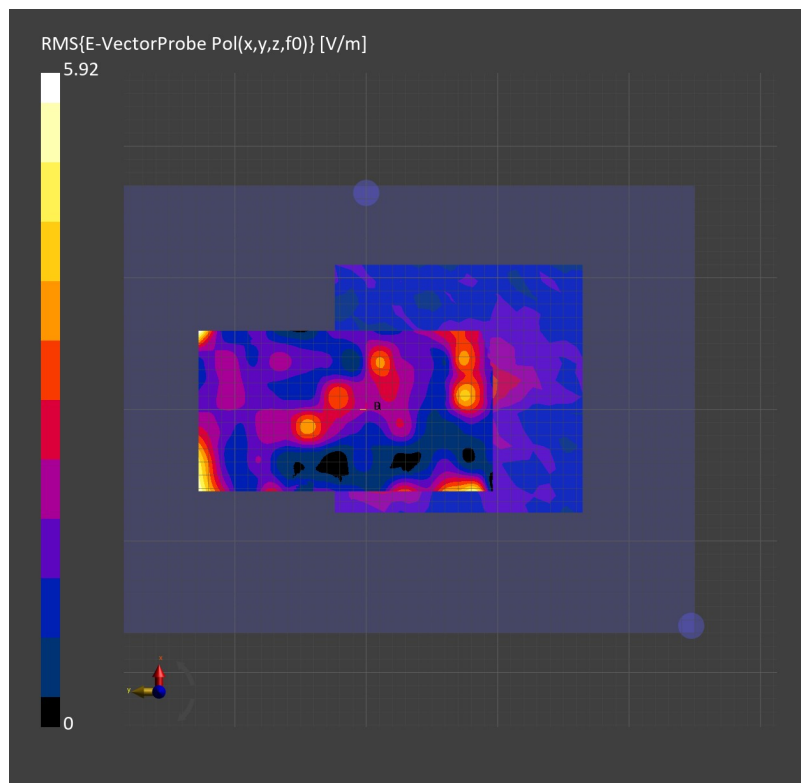
| Phantom       | Medium | Probe, Calibration Date               | DAE, Calibration Date  |
|---------------|--------|---------------------------------------|------------------------|
| mmWave - 1087 | Air -  | EUmmWV4 - SN9603_F1-55GHz, 2021-11-26 | DAE4 Sn546, 2023-09-14 |

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 |
| Avg. Area [cm <sup>2</sup> ] | 1.00    |
| psPDn+ [W/m <sup>2</sup> ]   | 0.387   |
| psPDtot+ [W/m <sup>2</sup> ] | 0.512   |
| psPDmod+ [W/m <sup>2</sup> ] | 1.03    |
| E <sub>max</sub> [V/m]       | 33.0    |
| Power Drift [dB]             | 0.01    |



Measurement Report for Device, BACK, U-NII-5, IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle), Channel 45 (6175.0 MHz)

Device Under Test Properties

|                     |                     |      |          |
|---------------------|---------------------|------|----------|
| Model, Manufacturer | Dimensions [mm]     | IMEI | DUT Type |
| Device,             | 175.0 x 83.0 x 15.0 |      | Phone    |

Exposure Conditions

|                 |                              |         |                 |                                 |                   |
|-----------------|------------------------------|---------|-----------------|---------------------------------|-------------------|
| Phantom Section | Position, Test Distance [mm] | Band    | Group, UID      | Frequency [MHz], Channel Number | Conversion Factor |
| 5G              | BACK, 2.00                   | U-NII-5 | WLAN, 10683-AAC | 6175.0, 45                      | 1.0               |

Hardware Setup

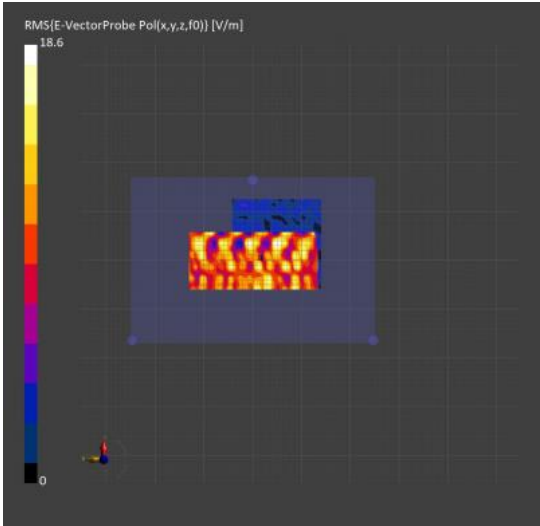
|               |        |                                      |                       |
|---------------|--------|--------------------------------------|-----------------------|
| Phantom       | Medium | Probe, Calibration Date              | DAE, Calibration Date |
| mmWave - 1087 | Air -  | EUmmWV4 - SN9533_F1-55GHz, 2023-8-18 | DAE4 Sn546, 2023-9-15 |

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                         | 2024-04-11, 10:54 |
| Avg. Area [cm <sup>2</sup> ] | 4.00              |
| psPDn+ [W/m <sup>2</sup> ]   | 0.416             |
| psPDtot+ [W/m <sup>2</sup> ] | 0.656             |
| psPDmod+ [W/m <sup>2</sup> ] | 1.13              |
| E <sub>max</sub> [V/m]       | 35.3              |
| Power Drift [dB]             | -0.03             |



Measurement Report for Device, BACK, U-NII-6, IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle), Channel 105 (6475.0 MHz)

Device Under Test Properties

| Model, Manufacturer | Dimensions [mm]     | IMEI | DUT Type |
|---------------------|---------------------|------|----------|
| Device,             | 175.0 x 83.0 x 15.0 |      | Phone    |

Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band    | Group, UID      | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|---------|-----------------|---------------------------------|-------------------|
| 5G              | BACK, 2.00                   | U-NII-6 | WLAN, 10683-AAC | 6475.0, 105                     | 1.0               |

Hardware Setup

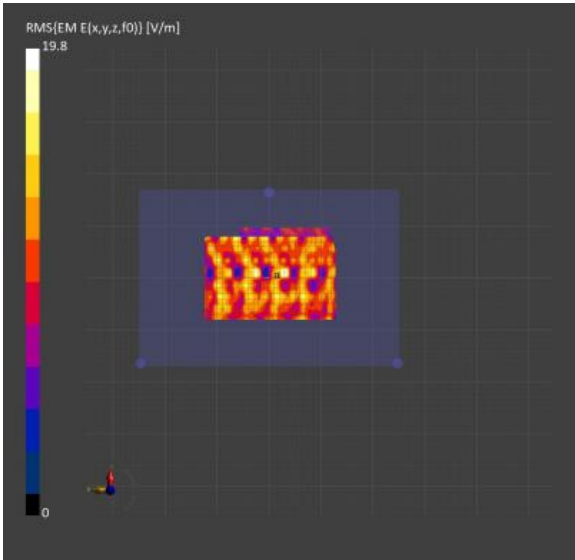
| Phantom       | Medium | Probe, Calibration Date              | DAE, Calibration Date |
|---------------|--------|--------------------------------------|-----------------------|
| mmWave - 1087 | Air -  | EUmmWV4 - SN9533_F1-55GHz, 2023-8-18 | DAE4 Sn546, 2023-9-15 |

Scans Setup

|                     |             |
|---------------------|-------------|
| Scan Type           | 5G          |
| 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                         | 2024-04-11, 12:30 |
| Avg. Area [cm <sup>2</sup> ] | 4.00              |
| psPDn+ [W/m <sup>2</sup> ]   | 0.375             |
| psPDtot+ [W/m <sup>2</sup> ] | 0.468             |
| psPDmod+ [W/m <sup>2</sup> ] | 0.548             |
| E <sub>max</sub> [V/m]       | 19.8              |
| Power Drift [dB]             | -0.12             |



Measurement Report for Device, BACK, U-NII-7, IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle), Channel 149 (6695.0 MHz)

Device Under Test Properties

| Model, Manufacturer | Dimensions [mm]     | IMEI | DUT Type |
|---------------------|---------------------|------|----------|
| Device,             | 175.0 x 83.0 x 15.0 |      | Phone    |

Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band    | Group, UID         | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|---------|--------------------|---------------------------------|-------------------|
| 5G              | BACK, 2.00                   | U-NII-7 | WLAN,<br>10683-AAC | 6695.0, 149                     | 1.0               |

Hardware Setup

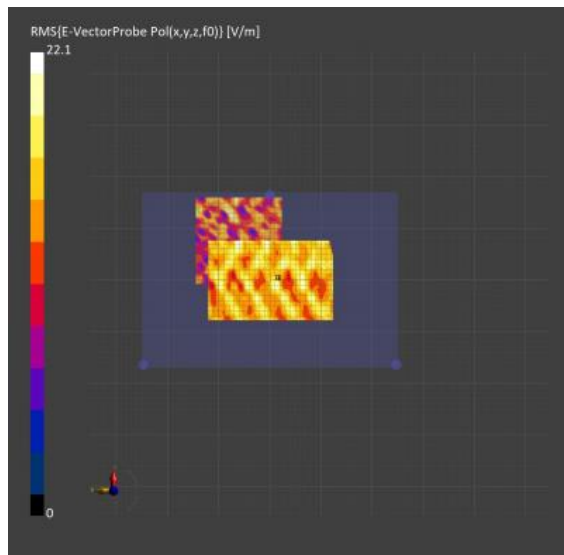
| Phantom       | Medium | Probe, Calibration Date              | DAE, Calibration Date |
|---------------|--------|--------------------------------------|-----------------------|
| mmWave - 1087 | Air -  | EUmmWV4 - SN9533_F1-55GHz, 2023-8-18 | DAE4 Sn546, 2023-9-15 |

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                         | 2024-04-11, 14:53 |
| Avg. Area [cm <sup>2</sup> ] | 4.00              |
| psPDn+ [W/m <sup>2</sup> ]   | 0.218             |
| psPDtot+ [W/m <sup>2</sup> ] | 0.223             |
| psPDmod+ [W/m <sup>2</sup> ] | 0.237             |
| E <sub>max</sub> [V/m]       | 12.3              |
| Power Drift [dB]             | -0.08             |



Measurement Report for Device, BACK, U-NII-8, IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle), Channel 209 (6995.0 MHz)

Device Under Test Properties

|                     |                     |      |          |
|---------------------|---------------------|------|----------|
| Model, Manufacturer | Dimensions [mm]     | IMEI | DUT Type |
| Device,             | 175.0 x 83.0 x 15.0 |      | Phone    |

Exposure Conditions

|                 |                              |         |                 |                                 |                   |
|-----------------|------------------------------|---------|-----------------|---------------------------------|-------------------|
| Phantom Section | Position, Test Distance [mm] | Band    | Group, UID      | Frequency [MHz], Channel Number | Conversion Factor |
| 5G              | BACK, 2.00                   | U-NII-8 | WLAN, 10683-AAC | 6995.0, 209                     | 1.0               |

Hardware Setup

|               |        |                                      |                       |
|---------------|--------|--------------------------------------|-----------------------|
| Phantom       | Medium | Probe, Calibration Date              | DAE, Calibration Date |
| mmWave - 1087 | Air -  | EUmmWV4 - SN9533_F1-55GHz, 2023-8-18 | DAE4 Sn546, 2023-9-15 |

Scans Setup

|                     |             |
|---------------------|-------------|
| Scan Type Scan      | 5G          |
| 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                         | 2024-04-11, 16:24 |
| Avg. Area [cm <sup>2</sup> ] | 4.00              |
| psPDn+ [W/m <sup>2</sup> ]   | 0.252             |
| psPDtot+ [W/m <sup>2</sup> ] | 0.276             |
| psPDmod+ [W/m <sup>2</sup> ] | 0.317             |
| E <sub>max</sub> [V/m]       | 13.1              |
| Power Drift [dB]             | -0.04             |

