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### FCC SAR EVALUATION REPORT FOR CERTIFICATION

**Project No :** NK-26-R-251**Dates of receipt :** July 6, 2026**Applicant :** QUDELIX, Inc.**Dates of Issue :** September 18, 2026B-1316, 190 Soha-ro, Gwangmyeong-si,  
Gyeonggi-do, 14322, Korea(the Republic of)**Test Site :**  
Nemko Korea Co., Ltd.**FCC ID:**

2AVUO-5KP

**Applicant :**

Qudelix, Inc.

**Brand Name :****Model :**

Qudelix-5K Plus

**EUT Type:**

Bluetooth DAC/AMP

**Classification:**Spread Spectrum Transmitter(DSS)  
Digital Transmission System(DTS)**Date of Test:**

July 8, 2026 ~ September 1, 2026

**Applied Standard:**

FCC 47 CFR Part 2.1093

The device bearing the brand name and model specified above has been shown to comply with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in IEEE 1528-2013 for FCC certification. The client should not use it to claim product endorsement by TAF or any government agencies. The test results in the report only apply to the tested sample.

I attest to the accuracy of data and all measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them. This report is not related to KS Q ISO/IEC 17025 and KOLAS accreditation.



Tested By : Hyeonseung Lee

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Technical Manager

**Revision History**

| Rev. | Issue Date         | Revisions     | Revised By     |
|------|--------------------|---------------|----------------|
| 00   | September 18, 2026 | Initial issue | Hyeonseung Lee |
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|      |                    |               |                |
|      |                    |               |                |

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## 1. INTRODUCTION

### 1.1 Test facility

The measurement procedure described in American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz (ANSI C63.4-2014), the American National Standard for Testing Unlicensed Wireless Devices (ANSI C63.10-2020) was used in determining radiated and conducted emissions emanating.

These measurement tests were conducted at **Nemko Korea Co., Ltd.**

The site address 165-51, Cheoin-Gu, Yongin-Si, Gyeonggi-Do 17042 Republic of Korea.

### 1.2 Accreditation and listing

| Accreditation type                                                                  |                                                                  | Accreditation number    |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------|-------------------------|
|   | CAB Accreditation for DOC                                        | Designation No. KR0026  |
|  | KOLAS Accredited Lab.<br>(Korea Laboratory Accreditation Scheme) | Registration No. KT155  |
|  | Canada IC Registered site                                        | Site No. 29506          |
|  | VCCI registration site(RE/CE/Telecom CE)                         | Member No. 2118         |
|  | EMC CBTL                                                         | TL124                   |
|  | KCC(RRL)Designated Lab.                                          | Registration No. KR0026 |

## 2. EUT INFORMATION & TEST CONDITIONS

### 2.1 EUT Information

Specifications:

|                                          |                                                                                                                                                         |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| EUT Type                                 | Bluetooth DAC/AMP                                                                                                                                       |
| Model Name                               | Qudelix-5K Plus                                                                                                                                         |
| Brand Name                               |                                                                        |
| Frequency of Operation                   | 2 402 MHz to 2 480 MHz                                                                                                                                  |
| Maximum Average Output Power (Conducted) | For DSS band<br>BDR(GFSK) : 10.55 dBm<br>EDR (4DQPSK) : 11.97 dBm<br>EDR (8DPSK) : 11.97 dBm<br>For DTS band<br>BLE 1M : 10.55 dBm<br>BLE 2M : 9.38 dBm |
| Modulations                              | GFSK, $\pi$ /4DQPSK, 8DPSK                                                                                                                              |
| Highest 1g SAR Value (Reported)          | 0.720 W/kg                                                                                                                                              |
| FCC Classification                       | FCC Part 15 Spread Spectrum Transmitter(DSS)                                                                                                            |
| Channel Number                           | 2 402 MHz to 2 480 MHz : 78 ch (BDR, EDR)<br>2 402 MHz to 2 480 MHz : 40 ch (LE 1M, LE 2M)                                                              |
| Antenna Gain (peak)                      | Qudelix 5k PRO                                                                                                                                          |
|                                          | 2.87 dBi                                                                                                                                                |
| Antenna Setup                            | 1TX / 1RX                                                                                                                                               |
| Hardware Version                         | 4.0                                                                                                                                                     |
| Software Version                         | 1.0                                                                                                                                                     |
| Remarks                                  | -                                                                                                                                                       |

### 2.1.1 Variants Covered By This Report(Model Distinction)

-No comment

## 2.2 Operation During Test

The EUT is the transceiver incorporating a device supporting 2.4 GHz Bluetooth RF module.

The Laptop was used to control the EUT to transmit the wanted TX channel continuously by the testing program(Bluetest tool) supported by manufacturer.

The EUT was tested at the lowest, middle and highest channels with maximum output power in accordance with the manufacturer's specifications. The worst-case data are recorded in the report.

### 2.2.1 Operating Environment

| Parameters          | Recording during test | Accepted deviation |
|---------------------|-----------------------|--------------------|
| Ambient temperature | (22.1 ~ 23.5) °C      | (18.0 ~ 25.0) °C   |
| Relative Humidity   | (42.0 ~ 49.0) %       | (30.0 ~ 70.0) %    |

### 2.2.2 Table of test channels

| Frequency band    | Modulation                       | Test Channel (CH) | Frequency (MHz) |
|-------------------|----------------------------------|-------------------|-----------------|
| 2 402 ~ 2 480 MHz | GFSK,<br>$\pi/4$ DQPSK,<br>8DPSK | 0                 | 2 402           |
|                   |                                  | 39                | 2 441           |
|                   |                                  | 78                | 2 480           |
|                   | LE 1 Mbps,<br>LE 2 Mbps          | 0                 | 2 402           |
|                   |                                  | 19                | 2 440           |
|                   |                                  | 39                | 2 480           |

### 2.2.3 Table of test power setting

| Frequency [MHz] | Mode          | Power setting Level (SISO) |
|-----------------|---------------|----------------------------|
| 2 402 ~ 2 480   | GFSK          | 6                          |
|                 | $\pi/4$ DQPSK | 7                          |
|                 | 8DPSK         | 7                          |
|                 | LE 1 Mbps     | Table 6, mag AF            |
|                 | LE 2 Mbps     | Table 6, mag 89            |

### 2.2.4 Antenna Information

| Frequency band | Mode     | Data rate | Antenna TX mode                                                       |
|----------------|----------|-----------|-----------------------------------------------------------------------|
| 2.4 GHz        | BDR, EDR | All       | <input checked="" type="checkbox"/> 1TX, <input type="checkbox"/> 2TX |
|                | LE       | 1 Mbps    | <input checked="" type="checkbox"/> 1TX, <input type="checkbox"/> 2TX |
|                |          | 2 Mbps    | <input checked="" type="checkbox"/> 1TX, <input type="checkbox"/> 2TX |

### 2.2.5 Additional Information Related to Testing

SAR testing was performed with a device-to-phantom separation distance of 0 mm according to KDB 447498 requirements.

SAR testing were performed for each dimension.

## 2.3 Support Equipment

|                      |                                         |          |
|----------------------|-----------------------------------------|----------|
| EUT                  | Qudelix Inc.<br>Model : Qudelix 5K Plus | S/N: N/A |
| Laptop computer      | Dell Inc<br>Model : XPS 15 9570         | 17ZYNQ2  |
| a.c.-d.c.<br>Adapter | DELTA ELECTRONICS LTD.                  | 09TXK7   |

## 2.4 Maximum Target Power among production units

Tune up tolerance is specified in operational description.

SAR values were scaled to the maximum tune-up power to determine compliance per KDB Publication 447498 D04 Interim General RF Exposure Guidance v01.

| Band | Mode               | Nominal Power (dB m) | Maximum Power (dB m) |
|------|--------------------|----------------------|----------------------|
| DSS  | BDR(GFSK)          | 10.0                 | 11.0                 |
|      | EDR(4DQPSK, 8DPSK) | 11.5                 | 12.5                 |
| DTS  | LE 1Mbps           | 10.0                 | 11.0                 |
|      | LE 2Mbps           | 9.0                  | 10.0                 |

This device of tune-up tolerance is  $\pm 1.0$  dB.

## 2.5 SAR Test Consideration

Per FCC KDB 447498 D04 Interim General RF Exposure Guidance v01, SAR-based exemption threshold for distance  $\leq 20$  cm is defined by the following equation.

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

$$x = -\log_{10} \left( \frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

$f$  is in GHz.

$d$  is the separation distance (cm).

Because the minimum separation distance was assumed to be 5 mm, the equation is used  $ERP_{20 \text{ cm}} (d/20 \text{ cm})^x$ .

Table B.2—Example Power Thresholds (mW)

| Frequency (MHz) | Distance (mm) |    |    |     |     |     |     |     |     |     |
|-----------------|---------------|----|----|-----|-----|-----|-----|-----|-----|-----|
|                 | 5             | 10 | 15 | 20  | 25  | 30  | 35  | 40  | 45  | 50  |
| 300             | 39            | 65 | 88 | 110 | 129 | 148 | 166 | 184 | 201 | 217 |
| 450             | 22            | 44 | 67 | 89  | 112 | 135 | 158 | 180 | 203 | 226 |
| 835             | 9             | 25 | 44 | 66  | 90  | 116 | 145 | 175 | 207 | 240 |
| 1900            | 3             | 12 | 26 | 44  | 66  | 92  | 122 | 157 | 195 | 236 |
| 2450            | 3             | 10 | 22 | 38  | 59  | 83  | 111 | 143 | 179 | 219 |
| 3600            | 2             | 8  | 18 | 32  | 49  | 71  | 96  | 125 | 158 | 195 |
| 5800            | 1             | 6  | 14 | 25  | 40  | 58  | 80  | 106 | 136 | 169 |

According to the FCC KDB 447498 D04 Interim General RF Exposure Guidance v01 Appendix B.2 Table, All of WLAN modes are required to SAR testing. Refer to the following table.

| Band | Mode             | Result (dBm) | Result (mW) | P <sub>th</sub> (mW) @1g | Required to FCC SAR test |
|------|------------------|--------------|-------------|--------------------------|--------------------------|
| DSS  | QPSK @2 402MHz   | 10.55        | 11.35       | 2.79                     | <b>Yes</b>               |
| DSS  | 4DQPSK @2 402MHz | 11.97        | 15.74       | 2.79                     | <b>Yes</b>               |
| DSS  | 8DPSK @2 402MHz  | 11.97        | 15.74       | 2.79                     | <b>Yes</b>               |
| DTS  | LE 1M @2 402MHz  | 10.55        | 11.35       | 2.79                     | <b>Yes</b>               |
| DTS  | LE 2M @2 402MHz  | 9.38         | 8.67        | 2.79                     | <b>Yes</b>               |

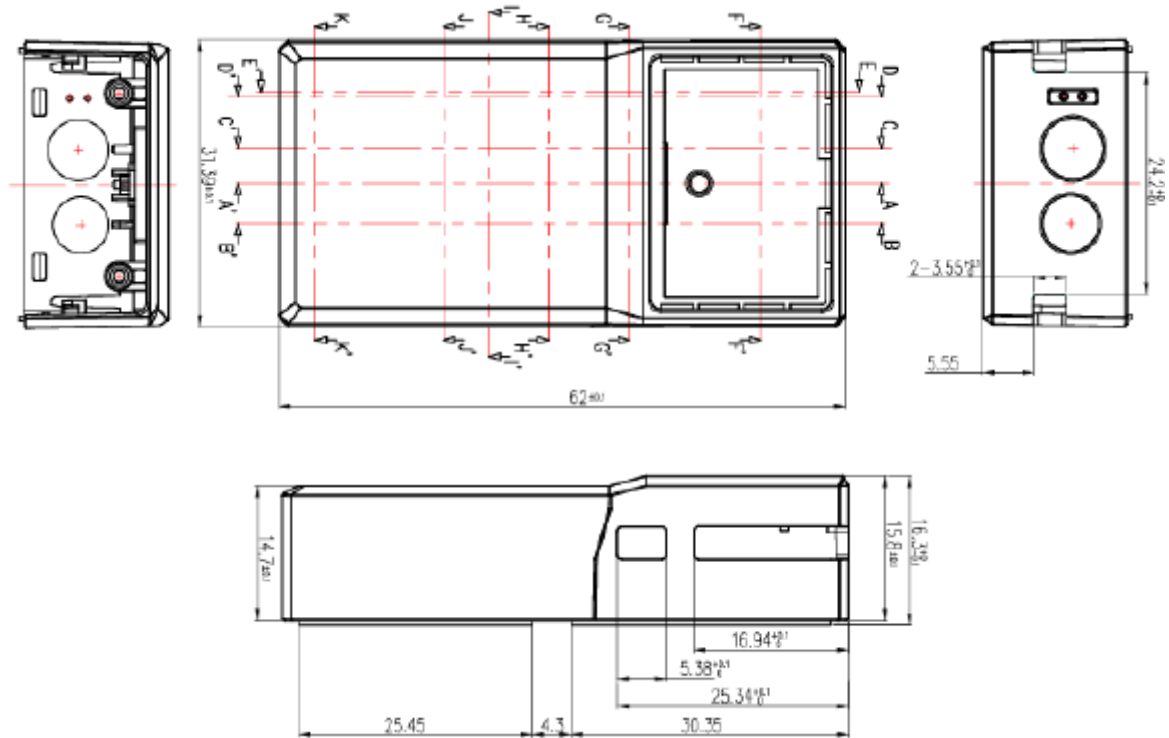
## 2.6 SAR testing EUT configuration

| Device Type       | Band/Mode                  | Device edge for SAR Testing |      |           |            |     |        |
|-------------------|----------------------------|-----------------------------|------|-----------|------------|-----|--------|
|                   |                            | Front                       | Back | Left edge | Right edge | Top | Bottom |
| Bluetooth DAC/AMP | 2.4G/ BDR, EDR, LE1M, LE2M | Yes                         | Yes  | Yes       | Yes        | Yes | Yes    |

The selected test surfaces were determined based on the antenna location, intended use conditions, and the closest possible user exposure surfaces.

The EUT may be used while held in the hand or carried on the body. Therefore, the SAR evaluation was performed using the body exposure condition, which is more conservative than an extremity-only evaluation.

## 2.7 Antenna Location



| Ant model      | Top     | Bottom  | Front   | Rear    | Left    | Right   |
|----------------|---------|---------|---------|---------|---------|---------|
| Qudelix 5K PRO | 0.00 mm | 0.00 mm | 0.00 mm | 0.00 mm | 0.00 mm | 0.00 mm |

The EUT incorporates a 3D LDS (Laser Direct Structuring) antenna. As shown in the antenna location drawing, the antenna pattern is directly formed on the EUT case by a plating process. Therefore, the separation distance between the antenna pattern and the corresponding outer surface of the EUT case is considered to be 0 mm.

The SAR test surfaces were selected based on the antenna pattern location and the closest possible user exposure conditions.

### **3. TEST METHODOLOGY**

1. FCC 47 CFR Part 2 (2.1093)
2. IEC/IEEE 62209-1528:2020
3. IEEE 1528-2013
4. FCC KDB Publication 447498 D04v01(Interim General RF Exposure Guidance)
5. FCC KDB Publication 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04
6. FCC KDB Publication 865664 D02 SAR reporting v01r02
7. 2016 October TCB Workshop Notes (RF Exposure Procedures, Bluetooth Duty factor)
8. 2019 April TCB Workshop Notes (Tissue Simulating Liquids)
9. SPEAG DASY8 System Handbook



#### 4.2.2 SAR Probe

The SAR measurement were conducted with dosimetric probe designed in the classical triangular configuration and optimized for dosimetric evaluation. The probe is constructed using the thick film technique; with printed resistive lines on ceramic substrates.

The probe is equipped with ant optical multi-fiber line ending at the front of the probe tip. It is connected to the EOC box on the robot arm and provides an automatic detection of the phantom surface.

Half of the fibers are connected to a pulsed infrared transmitter, the other half to a synchronized receiver. As the probe approaches the surface, the reflection from the surface produces a coupling from the transmitting to the receiving fibers. This reflection increases first during the approach, reaches a System maximum and then decreases. If the probe is flatly touching the surface, the coupling is zero.

The distance of the coupling maximum to the surface is independent of the surface reflectivity and largely independent of the surface to probe angle. The DASY8 software reads the reflection during a software approach and looks for the maximum using a 2<sup>nd</sup> order fitting.

The approach is stopped at reaching the maximum.

|                               |                                                                                                                                           |                                                                                       |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Model</b>                  | EX3DV4 (Refer to Appendix)                                                                                                                |  |
| <b>Frequency</b>              | 4 MHz to 10 GHz                                                                                                                           |                                                                                       |
| <b>Dynamic Range</b>          | 10 $\mu$ W/g $\rightarrow$ 100 mW/g                                                                                                       |                                                                                       |
| <b>Linearity</b>              | < $\pm$ 0.2 dB                                                                                                                            |                                                                                       |
| <b>Hemispherical Isotropy</b> | < 0.5 dB                                                                                                                                  |                                                                                       |
| <b>Position Precision</b>     | < 0.2 mm                                                                                                                                  |                                                                                       |
| <b>Dimensions</b>             | Overall length : 337 mm (tip : 20 mm)<br>Tip diameter : 2.5 mm (body : 12 mm)<br>Typical distance from probe tip to dipole centers : 1 mm |                                                                                       |

#### 4.2.3 SAM Phantom

The shells have a very tight tolerance of less than 0.2 mm, and they are fully compliant with the SAR standards and national regulations in the frequency range of 4 MHz ~ 10 GHz. Full computer-aided design (CAD) information have been predefined in the DASY8 software, enabling fast and easy usage.

In DASY8, phantoms are placed in a platform slot. The position of the slot relative to the robot is taught using the three reference points (P1, P2, P3) located on top of the phantom table.

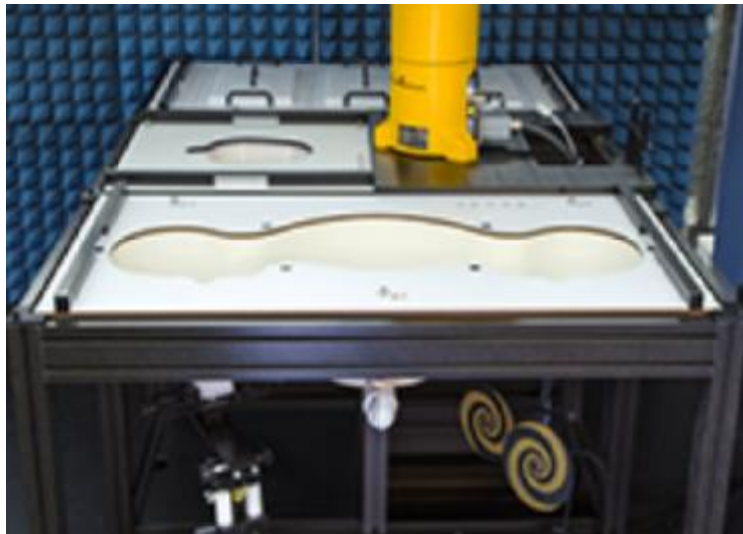


Figure 4.2.3 SAM Twin Phantom

#### 4.2.4 ELI Phantom

The ELI phantom is optimized for compliance testing of large handheld and body-mounted wireless devices (tablets, laptops) or for evaluating transmitters operating at low frequencies.

The size of the phantom, including top plate is 1.0 x 0.5 m (1 full DASY8 platform slot). The filling volume is approximately 25 L.

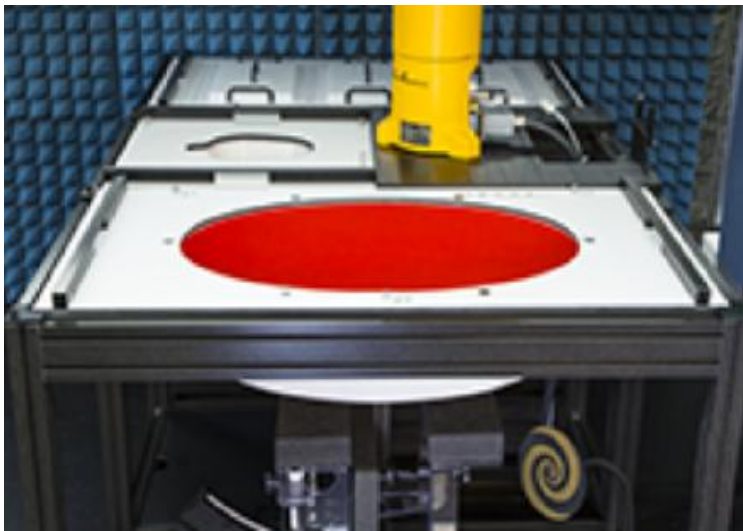


Figure 4.2.4 ELI Phantom

### 4.3 Simulating Mixture Characterization

| TSL System     | Manufacturer / Model    | Freq Range (MHz) | Main Ingredients                                                                              |
|----------------|-------------------------|------------------|-----------------------------------------------------------------------------------------------|
| Head Wide Band | SPEAG<br>HBBL 600-10000 | 600 - 10000      | Ethanediol, Sodium petroleum<br>sulfonate / 2-Methyl-pentane-2.4-diol,<br>Alkoxylated alcohol |

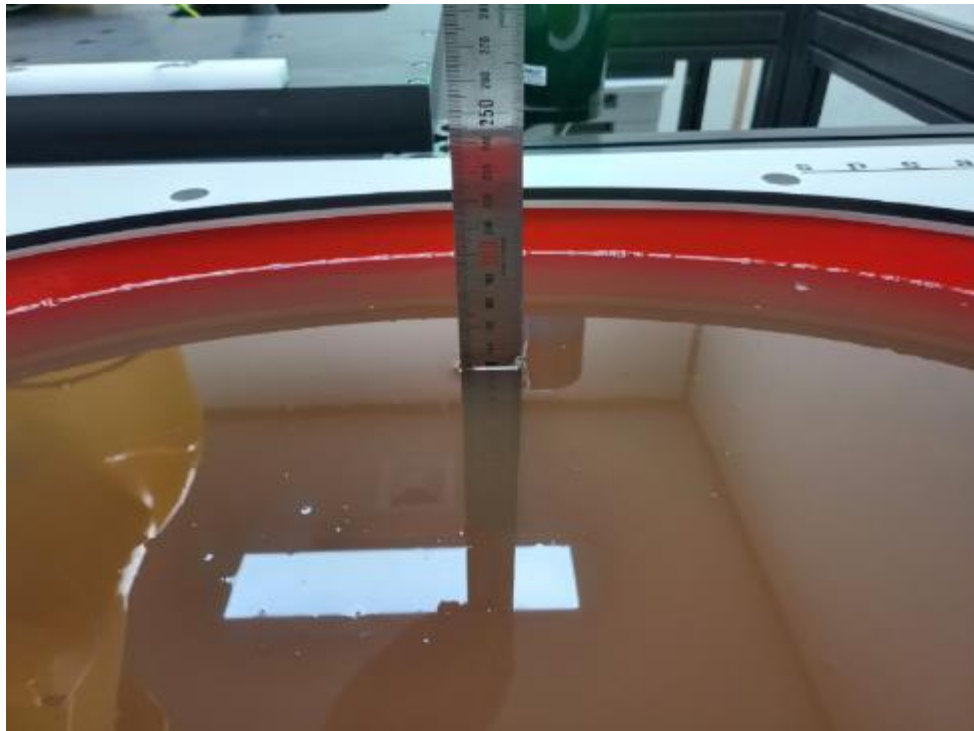


Figure 4.3 600 MHz ~ 10 GHz Head Broad band Tissue Simulating Liquid, Depth: 150 mm

#### 4.4 Device Holder for Transmitters

Accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions at which the devices must be measured are defined by the standards. The DASY8 device holder along with the associated adaptors / options is designed to accommodate different types and sizes of test devices and yet provide accurate and repeatable positioning as described in the test standards.



Figure 4.4 Mounting Device for Hand-held Devices and Laptop / Body-Worn Devices

## 4.5 SAR Measurement Procedure

According to the SAR test standard, the recommended procedure for assessing the peak spatial-peak SAR value consists of the following steps:

- Power reference measurement
- Area scan
- Zoom scan
- Power drift measurement

The following procedure shall be performed for each test configuration in SAR test standard. The following table provides the measurement parameter used in the area scan and zoom scan.

- a) Measure the local SAR at a test point within 5 mm of the inner surface of the phantom where the measured local SAR exceeds the lower detection limit of the measurement system.
- b) Measure the two-dimensional SAR distribution within the phantom.
- c) From the area-scan SAR distribution, identify the position of the maximum SAR value.
- d) Measure the three-dimensional SAR distribution at each of the local maxima locations identified in step c).

|                                                                                                                                                                                                                                                                                                     |                                    |                                                                                      | ≤ 3 GHz                                                                                                                                                                                                                                                           | > 3 GHz                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface                                                                                                                                                                                              |                                    |                                                                                      | 5 mm ± 1 mm                                                                                                                                                                                                                                                       | $\frac{1}{2} \cdot \delta \cdot \ln(2)$ mm ± 0.5 mm            |
| Maximum probe angle from probe axis to phantom surface normal at the measurement location                                                                                                                                                                                                           |                                    |                                                                                      | 30° ± 1°                                                                                                                                                                                                                                                          | 20° ± 1°                                                       |
| Maximum area scan spatial resolution: $\Delta x_{Area}$ , $\Delta y_{Area}$                                                                                                                                                                                                                         |                                    |                                                                                      | ≤ 2 GHz: ≤ 15 mm<br>2 – 3 GHz: ≤ 12 mm                                                                                                                                                                                                                            | 3 – 4 GHz: ≤ 12 mm<br>4 – 6 GHz: ≤ 10 mm                       |
|                                                                                                                                                                                                                                                                                                     |                                    |                                                                                      | When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device. |                                                                |
| Maximum zoom scan spatial resolution: $\Delta x_{Zoom}$ , $\Delta y_{Zoom}$                                                                                                                                                                                                                         |                                    |                                                                                      | ≤ 2 GHz: ≤ 8 mm<br>2 – 3 GHz: ≤ 5 mm*                                                                                                                                                                                                                             | 3 – 4 GHz: ≤ 5 mm*<br>4 – 6 GHz: ≤ 4 mm*                       |
| Maximum zoom scan spatial resolution, normal to phantom surface                                                                                                                                                                                                                                     | uniform grid: $\Delta z_{Zoom}(n)$ |                                                                                      | ≤ 5 mm                                                                                                                                                                                                                                                            | 3 – 4 GHz: ≤ 4 mm<br>4 – 5 GHz: ≤ 3 mm<br>5 – 6 GHz: ≤ 2 mm    |
|                                                                                                                                                                                                                                                                                                     | graded grid                        | $\Delta z_{Zoom}(1)$ : between 1 <sup>st</sup> two points closest to phantom surface | ≤ 4 mm                                                                                                                                                                                                                                                            | 3 – 4 GHz: ≤ 3 mm<br>4 – 5 GHz: ≤ 2.5 mm<br>5 – 6 GHz: ≤ 2 mm  |
|                                                                                                                                                                                                                                                                                                     |                                    | $\Delta z_{Zoom}(n>1)$ : between subsequent points                                   | ≤ 1.5 · $\Delta z_{Zoom}(n-1)$ mm                                                                                                                                                                                                                                 |                                                                |
| Minimum zoom scan volume                                                                                                                                                                                                                                                                            | x, y, z                            |                                                                                      | ≥ 30 mm                                                                                                                                                                                                                                                           | 3 – 4 GHz: ≥ 28 mm<br>4 – 5 GHz: ≥ 25 mm<br>5 – 6 GHz: ≥ 22 mm |
| Note: $\delta$ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see IEEE Std 1528-2013 for details.                                                                                                                                                               |                                    |                                                                                      |                                                                                                                                                                                                                                                                   |                                                                |
| * When zoom scan is required and the <u>reported</u> SAR from the <u>area scan based 1-g SAR estimation</u> procedures of KDB Publication 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz. |                                    |                                                                                      |                                                                                                                                                                                                                                                                   |                                                                |

## 5. RF Exposure Limits

### SAR

| HUMAN EXPOSURE                                           | General Population /<br>Uncontrolled Exposure<br>Environment | Occupational / Controlled<br>Exposure Environment |
|----------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------|
| Spatial Peak SAR<br>(Brain)                              | 1.6                                                          | 8.0                                               |
| Spatial Average SAR<br>(Whole Body)                      | 0.08                                                         | 0.4                                               |
| Spatial Peak SAR<br>(Hands, Wrists, Feet and<br>Ankles ) | 4.0                                                          | 20.0                                              |

1. This limits accord to SAR Human Exposure Specified in ANSI/IEEE C95.1-1992.
2. The Spatial Peak value of the SAR averaged over any 1g of tissue and over the appropriate averaging time.
3. The Spatial average value of the SAR averaged over the whole body.
4. The Spatial Peak value of the SAR averaged over any 10g of tissue and over appropriate averaging time.

### Occupational / Controlled exposure §1.1310(e)(2)

Occupational / Controlled exposure limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. The phrase fully aware in the context of applying these exposure limits means that an exposed person has received written and/or verbal information fully explaining the potential for RF exposure resulting from his or her employment. With the exception of transient persons, this phrase also means that an exposed person has received appropriate training regarding work practices relating to controlling or mitigating his or her exposure. The phrase exercise control means that an exposed person is allowed and also knows how to reduce or avoid exposure by administrative or engineering work practices, such as use of personal protective equipment or time averaging of exposure.

### General Population / Uncontrolled exposure §1.1310(e)(3)

General Population / uncontrolled exposure limits apply in situations in which the general public may be exposed, or in which persons who are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure. For

example, RF sources intended for consumer use shall be subject to the limits general population / uncontrolled exposure.

| Frequency range (MHz)                                    | Electric field strength (V/m) | Magnetic field strength (A/m) | Power density (mW/cm <sup>2</sup> ) | Averaging time (minutes) |
|----------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------------|--------------------------|
| (i) Limits for Occupational/Controlled Exposure          |                               |                               |                                     |                          |
| 0.3-3.0                                                  | 614                           | 1.63                          | *(100)                              | ≤6                       |
| 3.0-30                                                   | 1842/f                        | 4.89/f                        | *(900/f <sup>2</sup> )              | <6                       |
| 30-300                                                   | 61.4                          | 0.163                         | 1.0                                 | <6                       |
| 300-1,500                                                |                               |                               | f/300                               | <6                       |
| 1,500-100,000                                            |                               |                               | 5                                   | <6                       |
| (ii) Limits for General Population/Uncontrolled Exposure |                               |                               |                                     |                          |
| 0.3-1.34                                                 | 614                           | 1.63                          | *(100)                              | <30                      |
| 1.34-30                                                  | 824/f                         | 2.19/f                        | *(180/f <sup>2</sup> )              | <30                      |
| 30-300                                                   | 27.5                          | 0.073                         | 0.2                                 | <30                      |
| 300-1,500                                                |                               |                               | f/1500                              | <30                      |
| 1,500-100,000                                            |                               |                               | 1.0                                 | <30                      |

f = frequency in MHz. \* = Plane-wave equivalent power density.

Limits for Maximum Permissible Exposure(MPE)

## **6. Measurement Uncertainty & Decision Rule**

### **6.1 SAR Measurement Uncertainty**

Per KDB 865664 D01 SAR measurement 100 MHz to 6 GHz clause 2.8.2, SAR measurement uncertainty analysis is required in SAR report only when the highest measured SAR in a frequency band is  $\geq 1.5$  W/kg for 1-g SAR and  $\geq 3.75$  W/kg for 10-g SAR. The expanded SAR measurement uncertainty must be  $\leq 30$  %, for confidence interval of  $k = 2$ .

For this device, the highest measured 1-g SAR is less 1.5 W/kg and 10-g SAR is less 3.75 W/kg. Therefore, the measurement uncertainty table is not required in this report.

### **6.2 Decision Rule**

The choice of whether or not to include the measurement uncertainty of the measuring system used in the test in the conformance determination.:

- ☐ Application of internal procedures used in type testing where traceability of measurement uncertainty is established.
- ☒ Applying the decision that the standard used for type testing does not require it.

## 7. Test Equipments

| No. | Instrument                        | Manufacturer                         | Model           | Serial No.         | Calibration Data | Calibration Due date |
|-----|-----------------------------------|--------------------------------------|-----------------|--------------------|------------------|----------------------|
| 1   | Shield Room                       | SY Corporation                       | NKRFS2          | 20220619           | N/A              | N/A                  |
| 2   | DASY8 System Robot                | Stäubli                              | TX2-90XL        | F/22/0036542/A/001 | N/A              | N/A                  |
| 3   | DASY8 Robot Controller            | SPEAG                                | CS9spe-TX2-90   | F/22/0036542/c/001 | N/A              | N/A                  |
| 4   | Vector Reflectometer              | SPEAG                                | R140            | 21460035           | 2027-07-13       | 2027-07-13           |
| 5   | Data Acquisition Electronics      | SPEAG                                | DAE4            | 1726               | 2026-04-22       | 2027-04-22           |
| 6   | E-Field probe                     | SPEAG                                | EX3DV4          | 7731               | 2026-04-22       | 2027-04-22           |
| 7   | Oval Flat phantom ELI v8          | SPEAG                                | QD OVA 004 A    | 2170               | N/A              | N/A                  |
| 8   | Dipole Antenna                    | SPEAG                                | D2450V2         | 774                | 2026-05-12       | 2028-05-12           |
| 9   | Low Pass Filter                   | Mini-Circuit                         | VLF-3000+       | 3 2226             | 2025-10-01       | 2026-10-01           |
| 10  | DUAL DIRECTIONAL COUPLER          | KEYSIGHT                             | 772D            | MY52180366         | 2026-03-26       | 2027-03-26           |
| 11  | Electric and Magnetic Field Probe | SPEAG                                | DAKS-3.5        | 1152               | 2026-06-07       | 2027-06-07           |
| 12  | Dielectric Probe Stand            | SPEAG                                | DAK Probe Stand | SM DAK 300-AB      | N/A              | N/A                  |
| 13  | RF Power Amplifier                | EXODUS<br>ADVANCED<br>COMMUNICATIONS | AMP2027ADB      | 10004              | 2025-10-02       | 2026-10-02           |
| 14  | Power Meter                       | H.P                                  | 437B            | 2912U01687         | 2025-10-01       | 2026-10-01           |
| 15  | Power Sensor                      | H.P                                  | 8481A           | MY41098315         | 2025-10-01       | 2026-10-01           |
| 16  | Power Sensor                      | R&S                                  | NRV-Z85         | 102408             | 2026-03-27       | 2027-03-27           |
| 17  | 10 dB Attenuator                  | Agilent                              | 57773           | 8491B              | 2025-10-01       | 2026-10-01           |
| 18  | 3 dB Attenuator                   | Mini-Circuit                         | BW-S3W20+       | 2224               | 2025-10-01       | 2026-10-01           |
| 19  | Humidity Temperature              | YOWEXA                               | YEM-20AL-E      | 25081016           | 2025-11-06       | 2026-11-06           |
| 20  | Vector Signal Generator           | R&S                                  | SMB100A         | 175861             | 2026-03-27       | 2027-03-27           |
| 21  | Digital liquid Temperature        | LKM electronic                       | DTM3000         | 3932               | 2025-10-15       | 2026-10-15           |
| 22  | Spectrum Analyzer                 | Agilent                              | E4440A          | MY44022567         | 2026-01-08       | 2027-01-08           |
| 23  | DIGITAL MULTIMETER                | EZ DIGITAL                           | DM-334          | 2111395            | 2025-10-02       | 2026-10-02           |
| 24  | Mounting device holder            | Speag                                | MD4HHTV5        | SD 000 H01 KA      | N/A              | N/A                  |

## **8. FCC Measurement Procedures**

### **8.1 General Device setup**

The device operating parameters established in test mode for SAR measurements must be identical to those programmed in production units, including output power levels, amplifier gain settings and other RF performance tuning parameters. The test frequencies should correspond to actual channel frequencies defined for domestic use. SAR for devices with switched diversity should be measured with only one antenna transmitting at a time during each SAR measurements. The reported SAR is scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

### **8.2 SAR test requirements for OFDM configuration**

When SAR measurement is required for 802.11 a/g/n/ac OFDM configurations, each standalone and aggregated frequency band is considered separately for SAR test reduction. When the same transmitter and antenna are used for U-NII-1 and U-NII-2A bands, additional SAR test reduction applies.

The initial test configuration for 2.4 GHz and 5 GHz OFDM transmission modes is determined by the 802.11 configuration with the highest maximum output power specified for production units, including tune-up tolerance, in each standalone and aggregated frequency band.

### **8.3 Initial Test position SAR test reduction procedure**

- a) When the reported SAR of the initial test position is  $\leq 0.4$  W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and 802.11 transmission mode combinations within the frequency band or aggregated band.
- b) When the reported SAR of the initial test position is  $> 0.4$  W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position using subsequent highest extrapolated or estimated 1-g SAR conditions determined by area scans or next closest/smallest test separation distance and maximum RF coupling test positions based on manufacturer justification, on the highest maximum output power channel, until the reported SAR is  $\leq 0.8$  W/kg or all required test positions are tested.
- c) For all positions/configuration tested using the initial test position and subsequent test position, when the reported SAR is  $> 0.8$  W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is  $\leq 1.2$  W/kg or all required channel are tested.

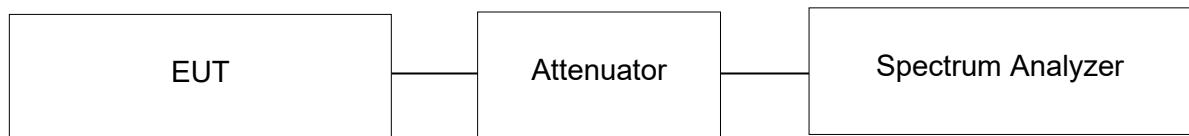
## **8.4 Simultaneous transmission SAR considerations**

Per KDB publication 248227 D01 v02r02, the simultaneous SAR provision in KDB publication 447498 should be applied to determine simultaneous transmission SAR test exclusion for WiFi MIMO. If the sum of 1-g single transmission chain SAR measurements is  $< 1.6$  W/kg, no additional SAR measurements for MIMO are required.

## **9. Output Power Measurement**

### **9.1 Measurement procedures for Output Power**

EUTs average output power was measured at low, middle, high channels with a spectrum analyzer connected to the antenna terminal while the EUTs operating at its maximum power control level.



**Power measurement Test Setup**

## 9.2 Conducted Maximum Output Power

| Mode         | Measured Frequency(MHz) | SISO/MIMO | Datarate | Duty Cycle | Measured Output Power(dBm) |
|--------------|-------------------------|-----------|----------|------------|----------------------------|
|              |                         |           |          |            | Ant 1                      |
| BDR (GFSK)   | 2 402                   | SISO      | 1 Mbps   | 1.000      | 10.55                      |
|              | 2 441                   |           |          |            | 10.47                      |
|              | 2 480                   |           |          |            | 10.41                      |
| EDR (4DQPSK) | 2 402                   |           | 2 Mbps   | 1.000      | 11.97                      |
|              | 2 441                   |           |          |            | 11.89                      |
|              | 2 480                   |           |          |            | 11.81                      |
| EDR (8DPSK)  | 2 402                   |           | 3 Mbps   | 1.000      | 11.97                      |
|              | 2 441                   |           |          |            | 11.88                      |
|              | 2 480                   |           |          |            | 11.82                      |
| LE 1M        | 2 402                   |           | 1 Mbps   | 1.168      | 10.55                      |
|              | 2 440                   |           |          |            | 10.48                      |
|              | 2 480                   |           |          |            | 10.41                      |
| LE 2M        | 2 402                   |           | 2 Mbps   | 1.731      | 9.38                       |
|              | 2 440                   |           |          |            | 9.31                       |
|              | 2 480                   |           |          |            | 9.24                       |

Note :

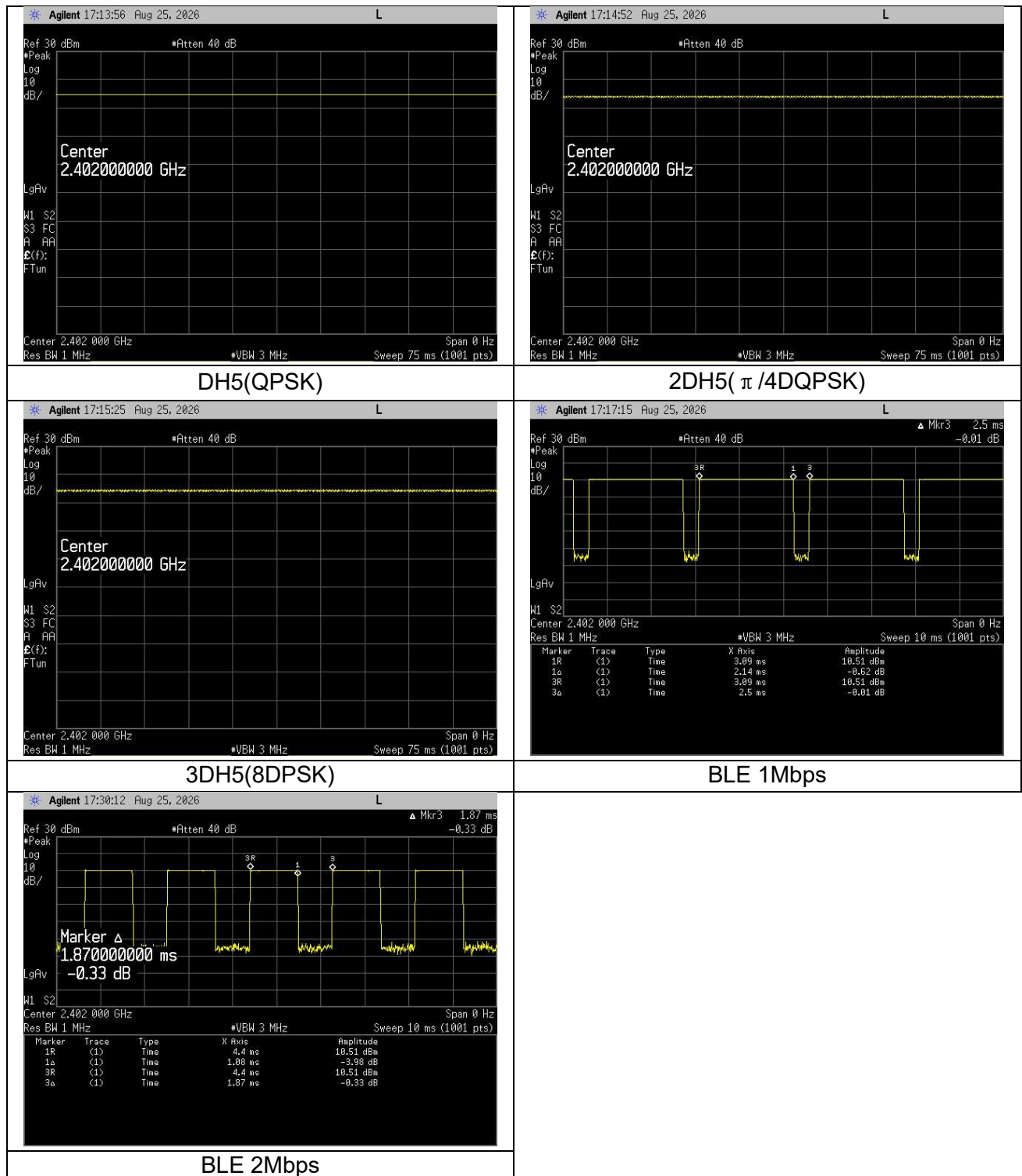
1. Power measurements were performed for all transmission mode configurations including the highest maximum output power specified for the production unit.
2. The BT and BLE transmission of this product operates only in SISO. Please refer to clause 2.2.4.

Time-domain plot for Bluetooth Antenna Transmission

| Mode      | Antenna | On time (ms) | ON+OFF time (ms) | Duty Cycle (%) | Duty factor |
|-----------|---------|--------------|------------------|----------------|-------------|
| BDR QPSK  | Ant 1   | -            | -                | 100.00         | 1.000       |
| 4DQPSK    | Ant 1   | -            | -                | 100.00         | 1.000       |
| 8DPSK     | Ant 1   | -            | -                | 100.00         | 1.000       |
| BLE 1Mbps | Ant 1   | 2.14         | 2.50             | 85.60          | 1.168       |
| BLE 2Mbps | Ant 1   | 1.08         | 1.87             | 57.75          | 1.731       |

According to TCB Workshop Oct 2016, when call box and Bluetooth protocol are used, time-domain plots are required to identify duty factor for supporting the test setup and results.

Please refer to the following figure.



## 10. System Verification

### 10.1 Tissue verification results

For the measurement of the following parameters the DAKS-3.5 was used, representing the open-ended slim form probe measurement procedure. The measured values should be within  $\pm 5\%$  of the recommended values given by IEEE 1528-2013.

**Table 10.1 Measured Tissue Parameters**

| Date        | Liquid Type | Liquid Temp. (°C) | Frequency (MHz) | Measured relative Permittivity ( $\epsilon$ ) | Measured Conductivity (S/m) | Target relative Permittivity ( $\epsilon$ ) | Target Conductivity (S/m) | Permittivity Error (%) | Conductivity Error (%) |
|-------------|-------------|-------------------|-----------------|-----------------------------------------------|-----------------------------|---------------------------------------------|---------------------------|------------------------|------------------------|
| Aug 26.2026 | 2.4G /Head  | 21.50             | 2 450           | 37.51                                         | 1.78                        | 39.20                                       | 1.80                      | -4.31                  | -1.13                  |
|             |             |                   | 2 441           | 37.53                                         | 1.77                        | 39.22                                       | 1.79                      | -4.29                  | -1.11                  |
|             |             |                   | 2 402           | 37.65                                         | 1.74                        | 39.29                                       | 1.76                      | -4.15                  | -0.71                  |
|             |             |                   | 2 480           | 37.42                                         | 1.81                        | 39.16                                       | 1.83                      | -4.44                  | -1.43                  |
| Aug 27.2026 | 2.4G /Head  | 21.50             | 2 450           | 37.84                                         | 1.82                        | 39.20                                       | 1.80                      | -3.48                  | 0.87                   |
|             |             |                   | 2 441           | 37.87                                         | 1.81                        | 39.22                                       | 1.79                      | -3.45                  | 1.36                   |
|             |             |                   | 2 402           | 38.04                                         | 1.80                        | 39.29                                       | 1.76                      | -3.18                  | 2.44                   |
|             |             |                   | 2 480           | 37.70                                         | 1.83                        | 39.16                                       | 1.83                      | -3.73                  | -0.16                  |

## 10.2 System Verification Test setup

The system verification is verified to the  $\pm 10\%$  of the specifications at each frequency band by using the system validation kit.

1. Perform internal calibration of each equipment.
2. Cabling the system, using the verification kit equipment.
3. The input level is set to be about 100 or 250 mW from the signal generator to the dipole antenna.
4. Dipole antenna was located below the phantom.
5. System verification was performed and 1g / 10g SAR was measured.
6. The results were normalized to 1 W input power.
7. Check if the 1 W normalized value was within  $\pm 10\%$  of the target value.

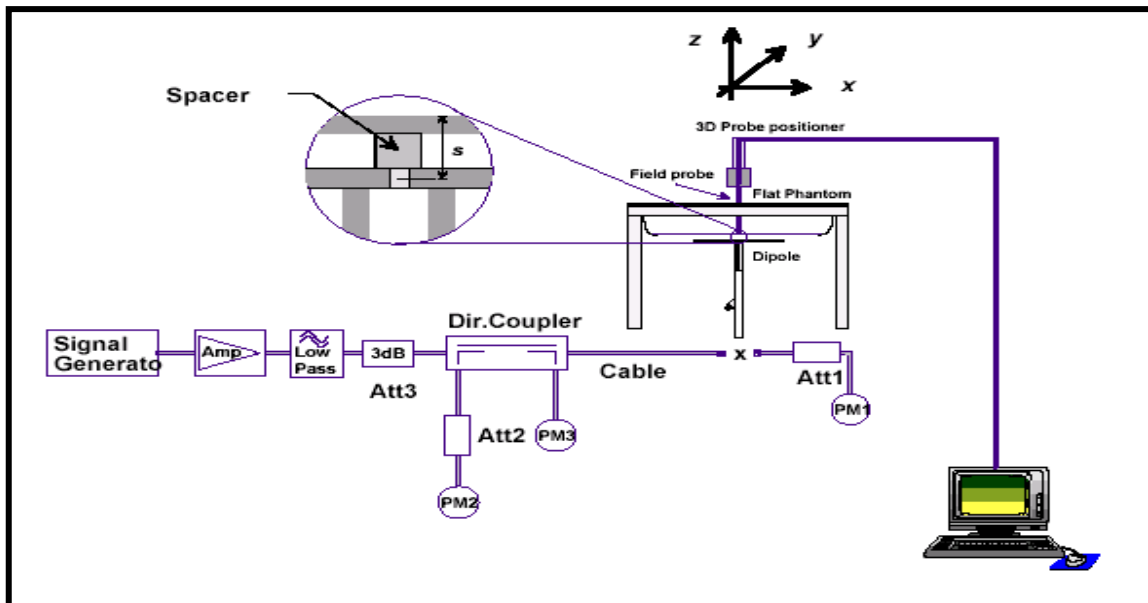


Figure 10.1 System Verification setup

### 10.3 System Verification Results

A complete 1 g and/or 10 g averaged SAR measurement is performed using a standard source. The input power of the standard source is adjusted to produce a 1 g and/or 10 g averaged SAR value falling in the range of 0.4 W/kg to 10 W/kg. The 1 g and/or 10g averaged SAR is measured at frequencies in Table 10.2 within the range to be used in compliance tests. The results are normalized to 1 W forward input power and compared with the reference SAR value.

**Table 10.4 System Verification Results**

| Date        | Liquid Temperature (°C) | Measured Frequency (MHz) | Targeted 1 g SAR (W/kg) | Measured 1 g SAR (W/kg) | Normalized 1 g SAR (W/kg) | Deviation (%) | Verification Kit   | Plot No. |
|-------------|-------------------------|--------------------------|-------------------------|-------------------------|---------------------------|---------------|--------------------|----------|
| Aug 26.2026 | 21.50                   | 2 450                    | 52.90                   | 5.15                    | 51.50                     | -2.65         | D2450V2<br>SN: 774 | #V01     |
| Aug 27.2026 | 21.50                   | 2 450                    | 52.90                   | 5.50                    | 55.00                     | 3.97          | D2450V2<br>SN: 774 | #V02     |

## **11. SAR Measurement Results**

1. Per KDB 447498, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.

Scaling Factor = Maximum Tune-up limit power(mW) / EUT RF Power(mW),

Where tune-up limit is the maximum rated power among all production units.

Reported SAR(W/kg) = Scaling Factor(Tune up) \* Scaling Factor(Duty) \* Measured SAR (W/kg)

2. Tune-up Limit power is refer to clause 2.4.

## 11.1 SAR Measurement Results

### - 2.4GHz DSS

| Measured Frequency |    | Mode | Test distance | Average Power (mW) | Maximum Tune-Up Limit pwr (mW) | Scaling Factor | Duty Factor | EUT Configuration | Measured SAR 1g (W/kg) | Reported SAR 1g (W/kg) | Power Drift (dB) | Plot No. |      |
|--------------------|----|------|---------------|--------------------|--------------------------------|----------------|-------------|-------------------|------------------------|------------------------|------------------|----------|------|
| MHz                | CH |      |               |                    |                                |                |             |                   |                        |                        |                  |          |      |
| 2402               | 0  | 3DH5 | 0 mm          | 15.74              | 17.78                          | 1.130          | 1.000       | Front             | 0.224                  | 0.253                  | -0.12            | #S01     |      |
|                    |    |      |               |                    |                                |                |             | Back              | 0.266                  | 0.301                  | -0.11            |          |      |
|                    |    |      |               |                    |                                |                |             | Left              | 0.059                  | 0.067                  | -0.15            |          |      |
|                    |    |      |               |                    |                                |                |             | Right             | 0.170                  | 0.192                  | 0.06             |          |      |
|                    |    |      |               |                    |                                |                |             | Top               | 0.572                  | 0.646                  | -0.06            | #S05     |      |
|                    |    |      |               |                    |                                |                |             | Bottom            | 0.035                  | 0.040                  | -0.17            |          |      |
| 2441               | 39 |      |               | 15.42              | 17.78                          | 1.153          |             | Top               | 0.624                  | 0.720                  | 0.02             | #S07     |      |
| 2480               | 78 |      |               | 15.21              | 17.78                          | 1.169          |             | Top               | 0.602                  | 0.704                  | -0.02            |          |      |
| 2441               | 39 | 1DH5 |               |                    | 11.14                          | 12.59          |             | 1.130             | Top                    | 0.480                  | 0.542            | -0.03    |      |
| 2441               | 39 | 2DH5 |               |                    | 15.42                          | 17.78          |             | 1.153             | Top                    | 0.583                  | 0.672            | 0.01     | #S10 |

### - 2.4GHz DTS

| Measured Frequency |    | Mode | Test distance | Average Power (mW) | Maximum Tune-Up Limit pwr (mW) | Scaling Factor | Duty Factor | EUT Configuration | Measured SAR 1g (W/kg) | Reported SAR 1g (W/kg) | Power Drift (dB) | Plot No. |
|--------------------|----|------|---------------|--------------------|--------------------------------|----------------|-------------|-------------------|------------------------|------------------------|------------------|----------|
| MHz                | CH |      |               |                    |                                |                |             |                   |                        |                        |                  |          |
| 2440               | 19 | LE1M | 0 mm          | 11.17              | 12.59                          | 1.127          |             | Front             | 0.158                  | 0.208                  | -0.12            | #S11     |
|                    |    |      |               |                    |                                |                |             | Back              | 0.172                  | 0.226                  | -0.04            |          |
|                    |    |      |               |                    |                                |                |             | Left              | 0.038                  | 0.050                  | -0.18            |          |
|                    |    |      |               |                    |                                |                |             | Right             | 0.042                  | 0.055                  | -0.17            |          |
|                    |    |      |               |                    |                                |                |             | Top               | 0.395                  | 0.520                  | 0.04             | #S15     |
| 2402               | 0  |      |               | 11.35              | 12.59                          | 1.109          |             | Top               | 0.383                  | 0.496                  | 0.03             | #S16     |
| 2480               | 39 |      |               | 10.99              | 12.59                          | 1.146          |             | Top               | 0.363                  | 0.486                  | 0.03             |          |
| 2440               | 19 | LE2M |               | 8.53               | 10.00                          | 1.172          |             | Top               | 0.254                  | 0.515                  | 0.00             | #S18     |

## 11.2 SAR Measurement Variability

Per KDB Publication 865664 D01, SAR measurement variability must be assessed for each frequency band, which was determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements.

These additional measurements were repeated after the completion of all measurements requiring the same head tissue-equivalent medium in a frequency band. The test device was returned to ambient conditions (normal room temperature) with the battery fully charged before it was re-mounted on the device holder for the repeated measurement to minimize any unexpected variations in the repeated results.

SAR Measurement Variability procedure :

- 1) Repeated measurement is not required when the original highest measured SAR is  $< 0.8$  W/kg; steps 2) through 4) do not apply.
- 2) When the original highest measured SAR is  $\geq 0.80$  W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is  $> 1.20$  or when the original or repeated measurement is  $\geq 1.45$  W/kg (~10% from the 1g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is  $\geq 1.5$  W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurement is  $> 1.20$ .

→ SAR measurements Variability is not required.

**SAR Test Note :**

1. The test data reported are the worst-case SAR values according to test procedures specified in IEEE 1528-2013 and KDB Publication 447498 D04 for FCC.
  2. Batteries are fully charged at the beginning of the SAR measurement.
  3. The manufacturer has confirmed that the device tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
  4. SAR results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB publication 447498 D04.
  5. FCC has permitted the use of single head-tissue simulating liquid specified February 19, 2019 TCB workshop.
  6. Per KDB 447498 D04, This is limited specifically to when the reported 1-g or 10-g SAR for the mid-band or highest output power channel meets any of the following conditions:
    - a)  $SAR \leq 0.8 \text{ W/kg}$  of 1-g, or  $SAR \leq 2.0 \text{ W/kg}$  for 10-g, when the transmission band span is  $\leq 100 \text{ MHz}$
    - b)  $SAR \leq 0.6 \text{ W/kg}$  of 1-g, or  $SAR \leq 1.5 \text{ W/kg}$  for 10-g, when the transmission band span is between 100 MHz and 200 MHz
    - c)  $SAR \leq 0.4 \text{ W/kg}$  of 1-g, or  $SAR \leq 1.0 \text{ W/kg}$  for 10-g, when the transmission band span is  $\geq 200 \text{ MHz}$
- When the maximum output power variation across the required test channels is  $> 1/2 \text{ dB}$ , instead of the middle channel, the highest output power channel must be used.

## **12. Conclusion**

The SAR evaluation indicates that the EUT complies with the RF radiation exposure limits of the FCC with respect to all parameters subject to this test. These measurements were taken to simulate the RF effects of RF exposure under worst-case conditions. The results and statements relate only to the item(s) tested.

## **APPENDIX A. PLOTS OF SAR RESULTS**

## Measurement PLOT #S01

Measurement Report for 5K Plus, FRONT, ISM 2.4 GHz Band, UID 10038 CAA, Channel 0 (2402.000MHz)

### Device under Test Properties

| Model, Manufacturer | Dimensions [mm]    | IMEI | DUT Type |
|---------------------|--------------------|------|----------|
| 5K Plus, Qudelix    | 62.0 x 32.0 x 18.0 |      | Phone    |

### Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band             | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------------------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | FRONT, 0.00                  | ISM 2.4 GHz Band | Bluetooth, 10038-CAA | 2402.000, 0                     | 7.8               | 1.74                   | 37.7             |

### Hardware Setup

| Phantom                            | TSL, Measured Date                      | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|-----------------------------------------|-----------------------------|-------------------------|
| ELI V8.0 (20deg probe tilt) - 2170 | HBBL-600-10000 Charge:xxxx, 2026-Aug-26 | EX3DV4 - SN7731, 2026-04-22 | DAE4 Sn1726, 2026-04-22 |

### Scan Setup

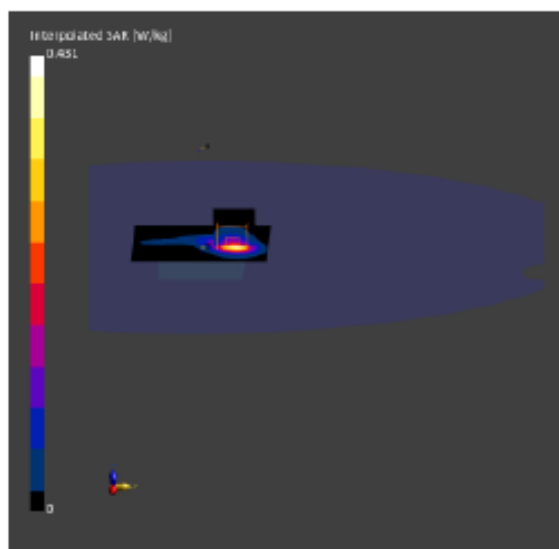
|                     | Area Scan    | Zoom Scan          |
|---------------------|--------------|--------------------|
| Grid Extents [mm]   | 80.0 x 100.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm]     | 10.0 x 10.0  | 5.0 x 5.0 x 1.5    |
| Sensor Surface [mm] | 3.0          | 1.4                |
| Graded Grid         | N/A          | Yes                |
| Grading Ratio       | N/A          | 1.5                |
| MAIA                | Y            | N/A                |
| Surface Detection   | VMS + 6p     | VMS + 6p           |
| Scan Method         | Measured     | Measured           |

### Measurement Results

|                     | Area Scan         | Zoom Scan         |
|---------------------|-------------------|-------------------|
| Date                | 2026-08-27, 10:19 | 2026-08-27, 10:30 |
| psSAR1g [W/kg]      | 0.218             | 0.224             |
| psSAR10g [W/kg]     | 0.105             | 0.107             |
| Power Drift [dB]    | -0.14             | -0.12             |
| Power Scaling       | Disabled          | Disabled          |
| Scaling Factor [dB] |                   |                   |
| TSL Correction      | No correction     | No correction     |
| M2/M1 [%]           |                   | 83.6              |
| Dist 3dB Peak [mm]  |                   | 9.3               |

### Warning(s) / Error(s)

| Details    | Area Scan | Zoom Scan |
|------------|-----------|-----------|
| Warning(s) |           |           |
| Error(s)   |           |           |



## Measurement PLOT #S05

Measurement Report for SK Plus, EDGE TOP, ISM 2.4 GHz Band, UID 10038 CAA, Channel 0 (2402.000MHz)

### Device under Test Properties

| Model, Manufacturer | Dimensions (mm)    | IMEI | DUT Type |
|---------------------|--------------------|------|----------|
| SK Plus, Qudelix    | 62.0 x 32.0 x 18.0 |      | Phone    |

### Exposure Conditions

| Phantom Section, TSL | Position, Test Distance (mm) | Band             | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------------------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | EDGE TOP, 0.00               | ISM 2.4 GHz Band | Bluetooth, 10038-CAA | 2402.000, 0                     | 7.8               | 1.74                   | 37.7             |

### Hardware Setup

| Phantom                            | TSL, Measured Date                      | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|-----------------------------------------|-----------------------------|-------------------------|
| ELI V8.0 (20deg probe tilt) - 2170 | HBBL-600-10000 Charge:xxxx, 2026-Aug-26 | EX3DV4 - SN7731, 2026-04-22 | DAE4 Sn1726, 2026-04-22 |

### Scan Setup

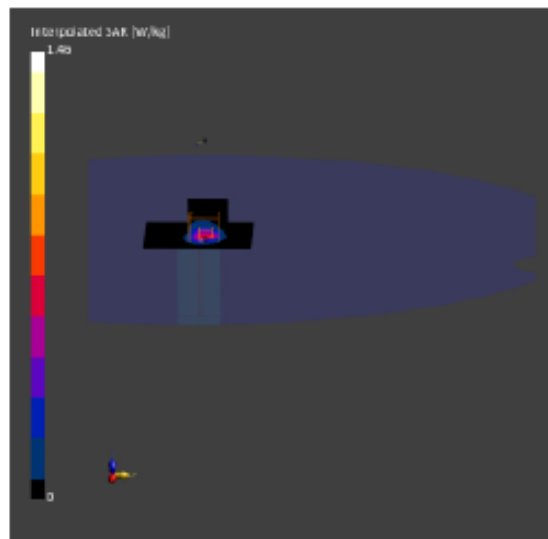
|                     | Area Scan   | Zoom Scan          |
|---------------------|-------------|--------------------|
| Grid Extents (mm)   | 60.0 x 80.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps (mm)     | 10.0 x 10.0 | 5.0 x 5.0 x 1.5    |
| Sensor Surface (mm) | 3.0         | 1.4                |
| Graded Grid         | N/A         | Yes                |
| Grading Ratio       | N/A         | 1.5                |
| MAIA                | N/A         | N/A                |
| Surface Detection   | VMS + 6p    | VMS + 6p           |
| Scan Method         | Measured    | Measured           |

### Measurement Results

|                     | Area Scan         | Zoom Scan         |
|---------------------|-------------------|-------------------|
| Date                | 2026-08-27, 11:36 | 2026-08-27, 11:47 |
| psSAR1g [W/kg]      | 0.605             | 0.572             |
| psSAR10g [W/kg]     | 0.247             | 0.234             |
| Power Drift [dB]    | 0.05              | -0.06             |
| Power Scaling       | Disabled          | Disabled          |
| Scaling Factor [dB] |                   |                   |
| TSL Correction      | No correction     | No correction     |
| M2/M1 [%]           |                   | 75.1              |
| Dist 3dB Peak [mm]  |                   | 7.7               |

### Warning(s) / Error(s)

| Details    | Area Scan | Zoom Scan |
|------------|-----------|-----------|
| Warning(s) |           |           |
| Error(s)   |           |           |



## Measurement PLOT #S07

### Measurement Report for 5K Plus, EDGE TOP, ISM 2.4 GHz Band, UID 10038 CAA, Channel 39 (2441.000MHz)

#### Device under Test Properties

| Model, Manufacturer | Dimensions (mm)    | IMEI | DUT Type |
|---------------------|--------------------|------|----------|
| 5K Plus, Qudelix    | 62.0 x 32.0 x 18.0 |      | Phone    |

#### Exposure Conditions

| Phantom Section, TSL | Position, Test Distance (mm) | Band             | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------------------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | EDGE TOP, 0.00               | ISM 2.4 GHz Band | Bluetooth, 10038-CAA | 2441.000, 39                    | 7.8               | 1.77                   | 37.5             |

#### Hardware Setup

| Phantom                            | TSL, Measured Date                      | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|-----------------------------------------|-----------------------------|-------------------------|
| ELI V8.0 (20deg probe tilt) - 2170 | HBBL-600-10000 Charge:xxxx, 2026-Aug-26 | EX3DV4 - SN7731, 2026-04-22 | DAE4 Sn1726, 2026-04-22 |

#### Scan Setup

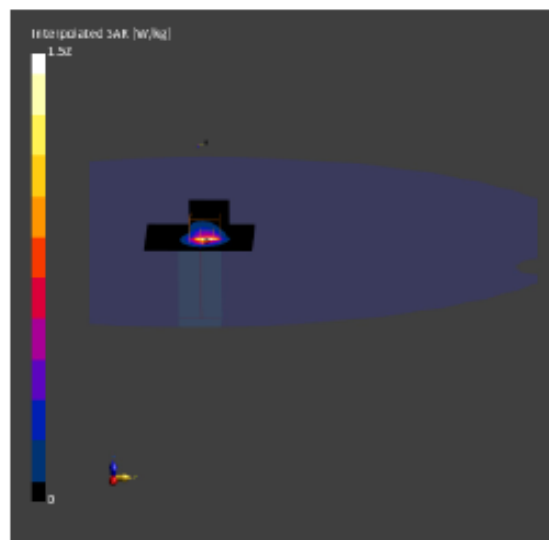
|                     | Area Scan   | Zoom Scan          |
|---------------------|-------------|--------------------|
| Grid Extents (mm)   | 60.0 x 80.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps (mm)     | 10.0 x 10.0 | 5.0 x 5.0 x 1.5    |
| Sensor Surface (mm) | 3.0         | 1.4                |
| Graded Grid         | N/A         | Yes                |
| Grading Ratio       | N/A         | 1.5                |
| MAIA                | N/A         | N/A                |
| Surface Detection   | VMS + 6p    | VMS + 6p           |
| Scan Method         | Measured    | Measured           |

#### Measurement Results

|                     | Area Scan         | Zoom Scan         |
|---------------------|-------------------|-------------------|
| Date                | 2026-08-27, 12:24 | 2026-08-27, 12:35 |
| psSAR1g (W/kg)      | 0.643             | 0.624             |
| psSAR10g (W/kg)     | 0.260             | 0.257             |
| Power Drift (dB)    | 0.11              | 0.02              |
| Power Scaling       | Disabled          | Disabled          |
| Scaling Factor (dB) |                   |                   |
| TSL Correction      | No correction     | No correction     |
| M2/M1 (%)           |                   | 76.2              |
| Dist 3dB Peak (mm)  |                   | 7.7               |

#### Warning(s) / Error(s)

| Details    | Area Scan | Zoom Scan |
|------------|-----------|-----------|
| Warning(s) |           |           |
| Error(s)   |           |           |



## Measurement PLOT #S10

Measurement Report for 5K Plus, EDGE TOP, ISM 2.4 GHz Band, UID 10035 CAA, Channel 39 (2441.000MHz)

### Device under Test Properties

| Model, Manufacturer | Dimensions (mm)    | IMEI | DUT Type |
|---------------------|--------------------|------|----------|
| 5K Plus, Qudelix    | 62.0 x 32.0 x 18.0 |      | Phone    |

### Exposure Conditions

| Phantom Section, TSL | Position, Test Distance (mm) | Band             | Group, UID           | Frequency (MHz), Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------------------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | EDGE TOP, 0.00               | ISM 2.4 GHz Band | Bluetooth, 10035-CAA | 2441.000, 39                    | 7.8               | 1.77                   | 37.5             |

### Hardware Setup

| Phantom                            | TSL, Measured Date                      | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|-----------------------------------------|-----------------------------|-------------------------|
| ELI V8.0 (20deg probe tilt) - 2170 | HBBL-600-10000 Charge:xxxx, 2026-Aug-26 | EX3DV4 - SN7731, 2026-04-22 | DAE4 Sn1726, 2026-04-22 |

### Scan Setup

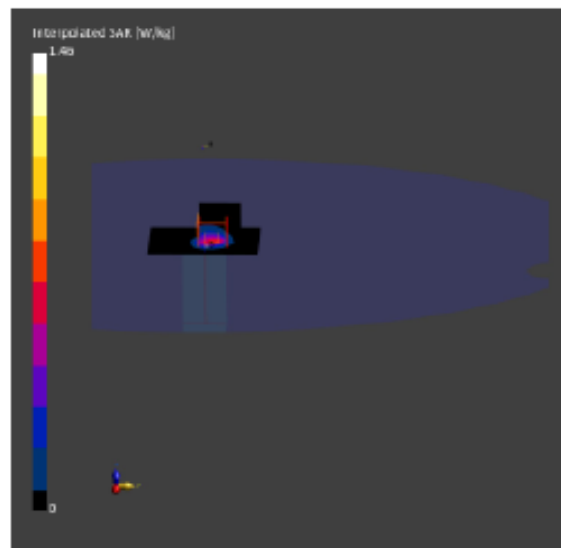
|                     | Area Scan   | Zoom Scan          |
|---------------------|-------------|--------------------|
| Grid Extents (mm)   | 60.0 x 80.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps (mm)     | 10.0 x 10.0 | 4.4 x 4.4 x 1.5    |
| Sensor Surface (mm) | 3.0         | 1.4                |
| Graded Grid         | N/A         | Yes                |
| Grading Ratio       | N/A         | 1.5                |
| MAIA                | N/A         | N/A                |
| Surface Detection   | VMS + 6p    | VMS + 6p           |
| Scan Method         | Measured    | Measured           |

### Measurement Results

|                     | Area Scan         | Zoom Scan         |
|---------------------|-------------------|-------------------|
| Date                | 2026-08-27, 13:34 | 2026-08-27, 13:47 |
| psSAR1g (W/kg)      | 0.610             | 0.583             |
| psSAR10g (W/kg)     | 0.245             | 0.236             |
| Power Drift (dB)    | 0.10              | 0.01              |
| Power Scaling       | Disabled          | Disabled          |
| Scaling Factor (dB) |                   |                   |
| TSL Correction      | No correction     | No correction     |
| M2/M1 (%)           |                   | 73.5              |
| Dist 3dB Peak (mm)  |                   | 6.8               |

### Warning(s) / Error(s)

| Details    | Area Scan | Zoom Scan |
|------------|-----------|-----------|
| Warning(s) |           |           |
| Error(s)   |           |           |



## Measurement PLOT #S15

Measurement Report for 5K Plus, EDGE TOP, ISM 2.4 GHz Band, UID 10670 AAA, Channel 38 (2440.000MHz)

### Device under Test Properties

| Model, Manufacturer | Dimensions [mm]    | IMEI | DUT Type |
|---------------------|--------------------|------|----------|
| 5K Plus, Qudelix    | 62.0 x 32.0 x 18.0 |      | Phone    |

### Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band             | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------------------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | EDGE TOP, 0.00               | ISM 2.4 GHz Band | Bluetooth, 10670-AAA | 2440.000, 38                    | 7.8               | 1.77                   | 37.5             |

### Hardware Setup

| Phantom                            | TSL, Measured Date                      | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|-----------------------------------------|-----------------------------|-------------------------|
| ELI V8.0 (20deg probe tilt) - 2170 | HBBL-600-10000 Charge:xxxx, 2026-Aug-26 | EX3DV4 - SN7731, 2026-04-22 | DAE4 Sn1726, 2026-04-22 |

### Scan Setup

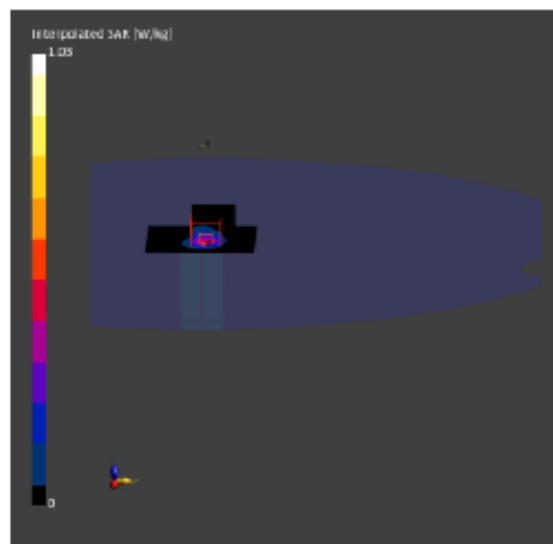
|                     | Area Scan   | Zoom Scan          |
|---------------------|-------------|--------------------|
| Grid Extents [mm]   | 60.0 x 80.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm]     | 10.0 x 10.0 | 4.6 x 4.6 x 1.5    |
| Sensor Surface [mm] | 3.0         | 1.4                |
| Graded Grid         | N/A         | Yes                |
| Grading Ratio       | N/A         | 1.5                |
| MAIA                | N/A         | N/A                |
| Surface Detection   | VMS + 6p    | VMS + 6p           |
| Scan Method         | Measured    | Measured           |

### Measurement Results

|                     | Area Scan         | Zoom Scan         |
|---------------------|-------------------|-------------------|
| Date                | 2026-08-27, 14:04 | 2026-08-27, 14:18 |
| psSAR1g [W/kg]      | 0.388             | 0.395             |
| psSAR10g [W/kg]     | 0.168             | 0.161             |
| Power Drift [dB]    | 0.08              | 0.04              |
| Power Scaling       | Disabled          | Disabled          |
| Scaling Factor [dB] |                   |                   |
| TSL Correction      | No correction     | No correction     |
| M2/M1 [%]           |                   | 70.7              |
| Dist 3dB Peak [mm]  |                   | 7.1               |

### Warning(s) / Error(s)

| Details    | Area Scan | Zoom Scan |
|------------|-----------|-----------|
| Warning(s) |           |           |
| Error(s)   |           |           |



## Measurement PLOT #S16

### Measurement Report for 5K Plus, EDGE TOP, ISM 2.4 GHz Band, UID 10670 AAA, Channel 0 (2402.000MHz)

#### Device under Test Properties

| Model, Manufacturer | Dimensions (mm)    | IMEI | DUT Type |
|---------------------|--------------------|------|----------|
| 5K Plus, Qudelix    | 62.0 x 32.0 x 18.0 |      | Phone    |

#### Exposure Conditions

| Phantom Section, TSL | Position, Test Distance (mm) | Band             | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------------------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | EDGE TOP, 0.00               | ISM 2.4 GHz Band | Bluetooth, 10670-AAA | 2402.000, 0                     | 7.8               | 1.74                   | 37.7             |

#### Hardware Setup

| Phantom                            | TSL Measured Date                       | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|-----------------------------------------|-----------------------------|-------------------------|
| ELI V8.0 (20deg probe tilt) - 2170 | HBBL-600-10000 Charge:xxxx, 2026-Aug-26 | EX3DV4 - SN7731, 2026-04-22 | DAE4 Sn1726, 2026-04-22 |

#### Scan Setup

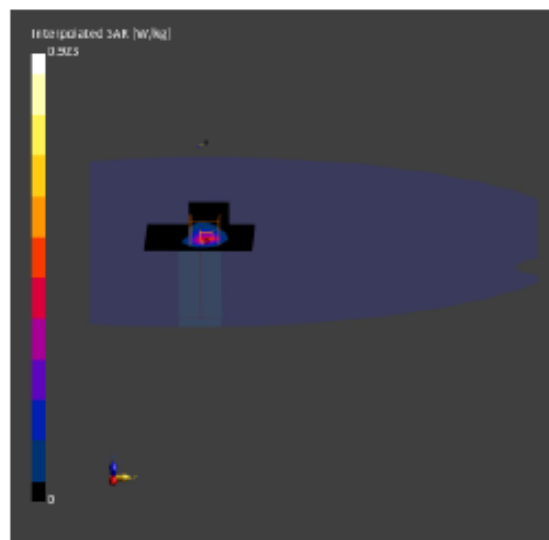
|                     | Area Scan   | Zoom Scan          |
|---------------------|-------------|--------------------|
| Grid Extents (mm)   | 60.0 x 80.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps (mm)     | 10.0 x 10.0 | 5.0 x 5.0 x 1.5    |
| Sensor Surface (mm) | 3.0         | 1.4                |
| Graded Grid         | N/A         | Yes                |
| Grading Ratio       | N/A         | 1.5                |
| MAIA                | N/A         | N/A                |
| Surface Detection   | VMS + 6p    | VMS + 6p           |
| Scan Method         | Measured    | Measured           |

#### Measurement Results

|                     | Area Scan         | Zoom Scan         |
|---------------------|-------------------|-------------------|
| Date                | 2026-08-27, 17:28 | 2026-08-27, 17:39 |
| psSAR1g (W/kg)      | 0.382             | 0.383             |
| psSAR10g (W/kg)     | 0.165             | 0.158             |
| Power Drift (dB)    | 0.03              | 0.03              |
| Power Scaling       | Disabled          | Disabled          |
| Scaling Factor (dB) |                   |                   |
| TSL Correction      | No correction     | No correction     |
| M2/M1 (%)           |                   | 75.6              |
| Dist 3dB Peak (mm)  |                   | 7.7               |

#### Warning(s) / Error(s)

| Details    | Area Scan | Zoom Scan |
|------------|-----------|-----------|
| Warning(s) |           |           |
| Error(s)   |           |           |



## Measurement PLOT #S18

Measurement Report for 5K Plus, EDGE TOP, ISM 2.4 GHz Band, UID 10670 AAA, Channel 38 (2440.000MHz)

### Device under Test Properties

| Model, Manufacturer | Dimensions [mm]    | IMEI | DUT Type |
|---------------------|--------------------|------|----------|
| 5K Plus, Qudelix    | 62.0 x 32.0 x 18.0 |      | Phone    |

### Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band             | Group, UID           | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------------------|----------------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | EDGE TOP, 0.00               | ISM 2.4 GHz Band | Bluetooth, 10670-AAA | 2440.000, 38                    | 7.8               | 1.77                   | 37.5             |

### Hardware Setup

| Phantom                            | TSL, Measured Date                      | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|-----------------------------------------|-----------------------------|-------------------------|
| ELI V8.0 (20deg probe tilt) - 2170 | HBBL-600-10000 Charge:xxxx, 2026-Aug-26 | EX3DV4 - SN7731, 2026-04-22 | DAE4 Sn1726, 2026-04-22 |

### Scan Setup

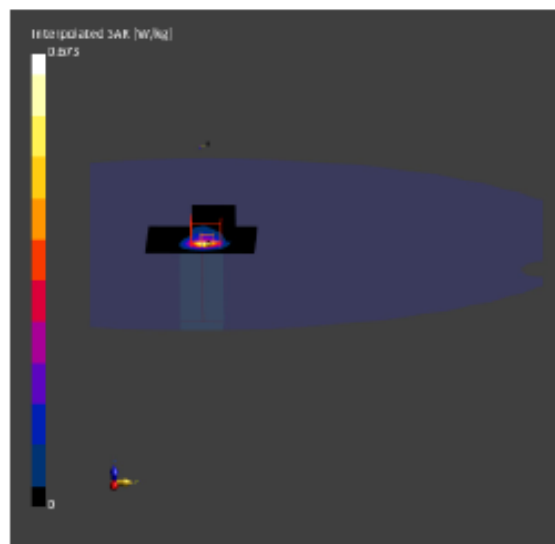
|                     | Area Scan   | Zoom Scan          |
|---------------------|-------------|--------------------|
| Grid Extents [mm]   | 60.0 x 80.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm]     | 10.0 x 10.0 | 4.6 x 4.6 x 1.5    |
| Sensor Surface [mm] | 3.0         | 1.4                |
| Graded Grid         | N/A         | Yes                |
| Grading Ratio       | N/A         | 1.5                |
| MAIA                | Y           | N/A                |
| Surface Detection   | VMS + 6p    | VMS + 6p           |
| Scan Method         | Measured    | Measured           |

### Measurement Results

|                     | Area Scan         | Zoom Scan         |
|---------------------|-------------------|-------------------|
| Date                | 2026-08-27, 14:23 | 2026-08-27, 14:37 |
| psSAR1g [W/kg]      | 0.252             | 0.254             |
| psSAR10g [W/kg]     | 0.110             | 0.103             |
| Power Drift [dB]    | 0.04              | -0.00             |
| Power Scaling       | Disabled          | Disabled          |
| Scaling Factor [dB] |                   |                   |
| TSL Correction      | No correction     | No correction     |
| M2/M1 [%]           |                   | 70.2              |
| Dist 3dB Peak [mm]  |                   | 7.1               |

### Warning(s) / Error(s)

| Details    | Area Scan | Zoom Scan |
|------------|-----------|-----------|
| Warning(s) |           |           |
| Error(s)   |           |           |



## **APPENDIX B. PLOTS OF SYSTEM VERIFICATION**

## Measurement PLOT #V01 (System Verification Results)

### System Performance Check Report

#### Summary

| Dipole          | Frequency [MHz] | TSL | Power [dBm] | Dev. 1g [%] | Dev. 10g [%] | Dev. Peak [%] | Iso. Error [%] |
|-----------------|-----------------|-----|-------------|-------------|--------------|---------------|----------------|
| D2450V2 - SN774 | 2450.0          | HSL | 20.0        | -3.1        | -1.2         | -4.6          | 0.5            |

#### Exposure Conditions

| Phantom Section, TSL | Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|--------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | 10                 |      | CW, 0--    | 2450.000, 0                     | 7.8               | 1.78                   | 37.5             |

#### Hardware Setup

| Phantom                            | TSL, Measured Date                      | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|-----------------------------------------|-----------------------------|-------------------------|
| ELI V8.0 (20deg probe tilt) - 2170 | HBBL-600-10000 Charge:xxxx, 2026-Aug-26 | EX3DV4 - SN7731, 2026-04-22 | DAE4 Sn1726, 2026-04-22 |

#### Scan Setup

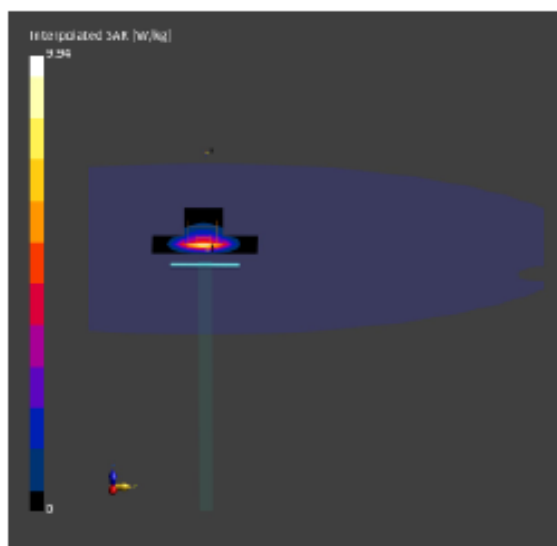
|                     | Area Scan   | Zoom Scan          |
|---------------------|-------------|--------------------|
| Grid Extents [mm]   | 40.0 x 80.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm]     | 10.0 x 10.0 | 5.0 x 5.0 x 1.5    |
| Sensor Surface [mm] | 3.0         | 1.4                |
| Graded Grid         | N/A         | Yes                |
| Grading Ratio       | N/A         | 1.5                |
| MAIA                | N/A         | N/A                |
| Surface Detection   | VMS + 6p    | VMS + 6p           |
| Scan Method         | Measured    | Measured           |

#### Measurement Results

|                     | Area Scan         | Zoom Scan         |
|---------------------|-------------------|-------------------|
| Date                | 2026-08-26, 17:59 | 2026-08-26, 18:08 |
| psSAR1g [W/Kg]      | 5.07              | 5.15              |
| psSAR10g [W/Kg]     | 2.38              | 2.48              |
| Power Drift [dB]    | 0.01              | -0.00             |
| Power Scaling       | Disabled          | Disabled          |
| Scaling Factor [dB] |                   |                   |
| TSL Correction      | No correction     | No correction     |

#### Warning(s) / Error(s)

| Details    | Area Scan | Zoom Scan |
|------------|-----------|-----------|
| Warning(s) |           |           |
| Error(s)   |           |           |



## Measurement PLOT #V02 (System Verification Results)

### System Performance Check Report

#### Summary

| Dipole          | Frequency [MHz] | TSL | Power [dBm] | Dev. 1g [%] | Dev. 10g [%] | Dev. Peak [%] | Iso. Error [%] |
|-----------------|-----------------|-----|-------------|-------------|--------------|---------------|----------------|
| D2450V2 - SN774 | 2450.0          | HSL | 20.0        | 3.5         | 5.9          | 2.0           | 0.5            |

#### Exposure Conditions

| Phantom Section, TSL | Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|--------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | 10                 |      | CW, 0--    | 2450.000, 0                     | 7.8               | 1.78                   | 37.5             |

#### Hardware Setup

| Phantom                            | TSL, Measured Date                      | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|-----------------------------------------|-----------------------------|-------------------------|
| ELI V8.0 (20deg probe tilt) - 2170 | HBBL-600-10000 Charge:xxxx, 2026-Aug-26 | EX3DV4 - SN7731, 2026-04-22 | DAE4 Sn1726, 2026-04-22 |

#### Scan Setup

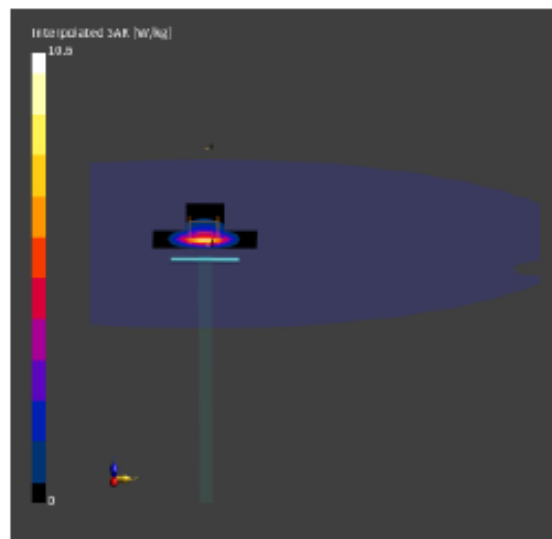
|                     | Area Scan   | Zoom Scan          |
|---------------------|-------------|--------------------|
| Grid Extents [mm]   | 40.0 x 80.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm]     | 10.0 x 10.0 | 5.0 x 5.0 x 1.5    |
| Sensor Surface [mm] | 3.0         | 1.4                |
| Graded Grid         | N/A         | Yes                |
| Grading Ratio       | N/A         | 1.5                |
| MAIA                | N/A         | N/A                |
| Surface Detection   | VMS + 6p    | VMS + 6p           |
| Scan Method         | Measured    | Measured           |

#### Measurement Results

|                     | Area Scan         | Zoom Scan         |
|---------------------|-------------------|-------------------|
| Date                | 2026-08-27, 15:36 | 2026-08-27, 15:45 |
| psSAR1g [W/Kg]      | 5.48              | 5.50              |
| psSAR10g [W/Kg]     | 2.55              | 2.66              |
| Power Drift [dB]    | 0.01              | 0.03              |
| Power Scaling       | Disabled          | Disabled          |
| Scaling Factor [dB] |                   |                   |
| TSL Correction      | No correction     | No correction     |

#### Warning(s) / Error(s)

| Details    | Area Scan | Zoom Scan |
|------------|-----------|-----------|
| Warning(s) |           |           |
| Error(s)   |           |           |



## **APPENDIX C. CALIBRATION REPORT OF THE PROBE**

## EX-Probe (SN:7731)

**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

Client **Nemko**  
Gyeonggi-do, Republic of Korea

Certificate No. **EX-7731\_Apr26**

**CALIBRATION CERTIFICATE**

Object **EX3DV4 - SN:7731**

Calibration procedure(s) **QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6,  
QA CAL-25.v8, QA CAL-48.v2  
Calibration procedure for dosimetric E-field probes**

Calibration date **April 22, 2026**

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 ± 3) °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 NRP40T     | SN: 101861 | 29-Apr-25 (No. 2025-001450)            | Apr-26      |
| N-type mismatch combination | SN: L1119  | 26-Mar-26 (No. 2026-005592)            | Mar-27      |
| OCP DAK-12                  | SN: 1016   | 16-Sept-25 (No. OCP-DAK12-1016_Sep25)  | Sep-26      |
| OCP DAK-3.5                 | SN: 1249   | 16-Sept-25 (No. OCP-DAK3.5-1249_Sep25) | Sep-26      |
| Reference Probe EX3DV4      | SN: 7349   | 29-Jan-26 (No. EX3-7349_Jan26)         | Jan-27      |
| DAE4                        | SN: 1301   | 22-Jan-26 (No. DAF4-1301_Jan26)        | Jan-27      |

| Secondary Standards              | ID             | Check Date (in house)                  | Sched. Check |
|----------------------------------|----------------|----------------------------------------|--------------|
| ACAP 2020 Setup 1                | SN: L1404      | 01-Oct-25 (No. IHCK_ACAP2020-1_Oct25)  | Oct-26       |
| OCP DAK-12                       | SN: 1029       | 24-Feb-26 (No. OCP-DAK12-1029_Feb26)   | Feb-27       |
| OCP DAK-3.5                      | SN: 1336       | 10-Dec-25 (No. OCP-DAK3.5-1336_Dec25)  | Dec-26       |
| Network Analyzer Keysight E5063A | SN: MY54504221 | 30-Sept-24 (No. 675-CAL18-S4489-Sep24) | Sep-26       |

|                                                                                                                 | Name             | Function              | Signature                                                                            |
|-----------------------------------------------------------------------------------------------------------------|------------------|-----------------------|--------------------------------------------------------------------------------------|
| Calibrated by                                                                                                   | Krešimir Franjić | Laboratory Technician |  |
| Approved by                                                                                                     | Sven Kühn        | Technical Manager     |  |
| Issued: April 22, 2026                                                                                          |                  |                       |                                                                                      |
| This calibration certificate shall not be reproduced except in full without written approval of the laboratory. |                  |                       |                                                                                      |

Certificate No: EX-7731\_Apr26

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### Calibration Laboratory of Schmid & Partner Engineering AG

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### 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 $\theta$  | $\theta$ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\theta = 0$ 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  $\theta = 0$  ( $f \leq 900$  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>; V<sub>R,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. V<sub>R</sub> 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).

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### Parameters of Probe: EX3DV4 - SN:7731

#### Basic Calibration Parameters

|                                                           | Sensor X | Sensor Y | Sensor Z | Unc (k = 2) |
|-----------------------------------------------------------|----------|----------|----------|-------------|
| Norm ( $\mu\text{V}/(\text{V}/\text{m})^2$ ) <sup>A</sup> | 0.49     | 0.48     | 0.52     | ±10.1%      |
| DCP (mV) <sup>B</sup>                                     | 101.1    | 102.7    | 103.1    | ±4.7%       |

#### Calibration Results for Modulation Response

| UID   | Communication System Name      |   | A<br>dB | B<br>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     | Continuous Wave                | X | 0.00    | 0.00                         | 1.00  | 0.00    | 132.9    | ±2.2%       | ±4.7%                            |
|       |                                | Y | 0.00    | 0.00                         | 1.00  |         | 145.2    |             |                                  |
|       |                                | Z | 0.00    | 0.00                         | 1.00  |         | 143.8    |             |                                  |
| 10352 | Pulse (D=10%, T=5 ms)          | X | 0.21    | 60.66                        | 15.44 | 10.00   | 23.0     | ±1.8%       | ±9.6%                            |
|       |                                | Y | 0.27    | 59.92                        | 14.67 |         | 23.0     |             |                                  |
|       |                                | Z | 0.23    | 60.40                        | 14.98 |         | 23.0     |             |                                  |
| 10353 | Pulse (D=20%, T=5 ms)          | X | 0.20    | 63.67                        | 15.48 | 6.99    | 46.0     | ±1.6%       | ±9.6%                            |
|       |                                | Y | 0.25    | 62.93                        | 14.71 |         | 46.0     |             |                                  |
|       |                                | Z | 0.21    | 63.41                        | 15.02 |         | 47.0     |             |                                  |
| 10354 | Pulse (D=40%, T=5 ms)          | X | 0.18    | 66.68                        | 15.51 | 3.98    | 92.0     | ±1.5%       | ±9.6%                            |
|       |                                | Y | 0.23    | 65.94                        | 14.75 |         | 93.0     |             |                                  |
|       |                                | Z | 0.20    | 66.42                        | 15.06 |         | 93.0     |             |                                  |
| 10355 | Pulse (D=60%, T=5 ms)          | X | 0.17    | 68.44                        | 15.53 | 2.22    | 138.0    | ±1.5%       | ±9.6%                            |
|       |                                | Y | 0.22    | 67.70                        | 14.78 |         | 139.0    |             |                                  |
|       |                                | Z | 0.19    | 68.18                        | 15.07 |         | 139.0    |             |                                  |
| 10387 | Random (BW=1 MHz, MOD=QPSK)    | X | 0.00    | 48.16                        | 16.48 | 0.26    | 107.0    | ±1.6%       | ±9.6%                            |
|       |                                | Y | 0.01    | 64.82                        | 15.87 |         | 108.0    |             |                                  |
|       |                                | Z | 0.01    | 65.30                        | 16.08 |         | 108.0    |             |                                  |
| 10388 | Random (BW=10 MHz, MOD=QPSK)   | X | 0.73    | 65.45                        | 14.48 | 0.00    | 114.0    | ±2.8%       | ±9.6%                            |
|       |                                | Y | 0.63    | 64.70                        | 14.01 |         | 115.0    |             |                                  |
|       |                                | Z | 0.67    | 65.18                        | 14.18 |         | 115.0    |             |                                  |
| 10396 | Random (BW=100 kHz, MOD=64QAM) | X | 0.01    | 64.39                        | 17.93 | 1.65    | 81.0     | ±3.8%       | ±9.6%                            |
|       |                                | Y | 0.00    | 81.14                        | 17.10 |         | 82.0     |             |                                  |
|       |                                | Z | 0.00    | 64.13                        | 17.38 |         | 82.0     |             |                                  |
| 10399 | Random (BW=40 MHz, MOD=64QAM)  | X | 1.81    | 64.39                        | 13.72 | 0.00    | 106.0    | ±4.2%       | ±9.6%                            |
|       |                                | Y | 1.69    | 63.64                        | 13.18 |         | 107.0    |             |                                  |
|       |                                | Z | 1.74    | 64.13                        | 13.39 |         | 107.0    |             |                                  |
| 10414 | Random (BW=40 MHz, HIGH PAR)   | X | 2.25    | 62.13                        | 13.65 | 0.00    | 77.0     | ±2.4%       | ±9.6%                            |
|       |                                | Y | 2.05    | 61.38                        | 13.10 |         | 78.0     |             |                                  |
|       |                                | Z | 2.14    | 61.86                        | 13.31 |         | 78.0     |             |                                  |

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<sup>2</sup>-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.

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### Parameters of Probe: EX3DV4 - SN:7731

#### Sensor Model Parameters

|   | C1<br>fF | C2<br>fF | $\alpha$<br>V <sup>-1</sup> | T1<br>ms V <sup>-2</sup> | T2<br>ms V <sup>-1</sup> | T3<br>ms | T4<br>V <sup>-2</sup> | T5<br>V <sup>-1</sup> | T6   |
|---|----------|----------|-----------------------------|--------------------------|--------------------------|----------|-----------------------|-----------------------|------|
| x | 9.4      | 70.60    | 35.81                       | 1.34                     | 0.00                     | 4.90     | 0.00                  | 0.03                  | 1.00 |
| y | 8.4      | 62.64    | 35.09                       | 3.01                     | 0.00                     | 4.94     | 0.05                  | 0.04                  | 1.00 |
| z | 8.7      | 64.78    | 35.21                       | 3.59                     | 0.00                     | 4.90     | 0.57                  | 0.00                  | 1.00 |

#### Other Probe Parameters

|                                               |            |
|-----------------------------------------------|------------|
| Sensor Arrangement                            | Triangular |
| Connector Angle                               | -71.3°     |
| Mechanical Surface Detection Mode             | enabled    |
| Optical Surface Detection Mode                | disabled   |
| Probe Overall Length                          | 337 mm     |
| Probe Body Diameter                           | 12 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.

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### Parameters of Probe: EX3DV4 - SN:7731

#### 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) |
|----------------------|------------------------------------|---------------------------------|---------|---------|---------|--------------------|-------------------------|--------------------------|
| 835                  | 41.5                               | 0.90                            | 9.61    | 10.29   | 9.75    | 0.32               | 1.27                    | ±11.0%                   |
| 900                  | 41.5                               | 0.97                            | 9.32    | 9.98    | 9.46    | 0.32               | 1.27                    | ±11.0%                   |
| 1810                 | 40.0                               | 1.40                            | 8.18    | 8.75    | 8.30    | 0.32               | 1.27                    | ±11.0%                   |
| 1950                 | 40.0                               | 1.40                            | 8.10    | 8.67    | 8.22    | 0.32               | 1.27                    | ±11.0%                   |
| 2450                 | 39.2                               | 1.80                            | 7.80    | 8.35    | 7.91    | 0.33               | 1.27                    | ±11.0%                   |
| 5200                 | 36.0                               | 4.66                            | 6.10    | 6.53    | 6.19    | 0.30               | 1.27                    | ±13.1%                   |
| 5300                 | 35.9                               | 4.76                            | 5.76    | 6.17    | 5.85    | 0.30               | 1.27                    | ±13.1%                   |
| 5500                 | 35.6                               | 4.96                            | 5.22    | 5.58    | 5.29    | 0.28               | 1.27                    | ±13.1%                   |
| 5600                 | 35.5                               | 5.07                            | 5.30    | 5.67    | 5.38    | 0.27               | 1.27                    | ±13.1%                   |
| 5800                 | 35.3                               | 5.27                            | 5.26    | 5.63    | 5.34    | 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.

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### Parameters of Probe: EX3DV4 - SN:7731

#### 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                            | 5.64    | 6.03    | 5.72    | 0.20               | 1.27                    | ±18.6%                   |

<sup>C</sup> Frequency validity is -600/-700 MHz at 6.5 GHz, ±700 MHz at or above 7 GHz, and ±150 MHz at 9.05 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.

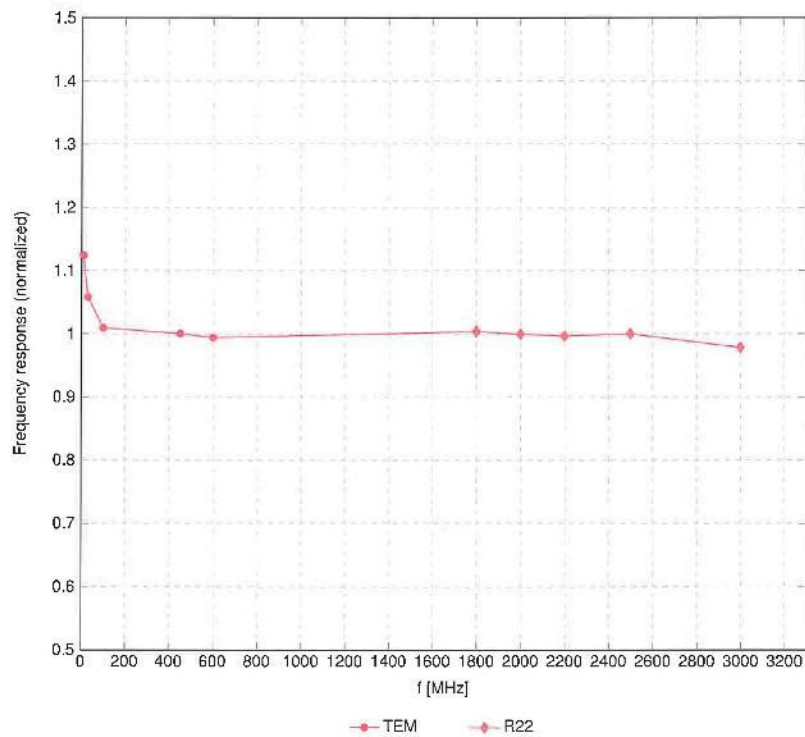
<sup>H</sup> The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. This is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528:2020.

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### Frequency Response of E-Field

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

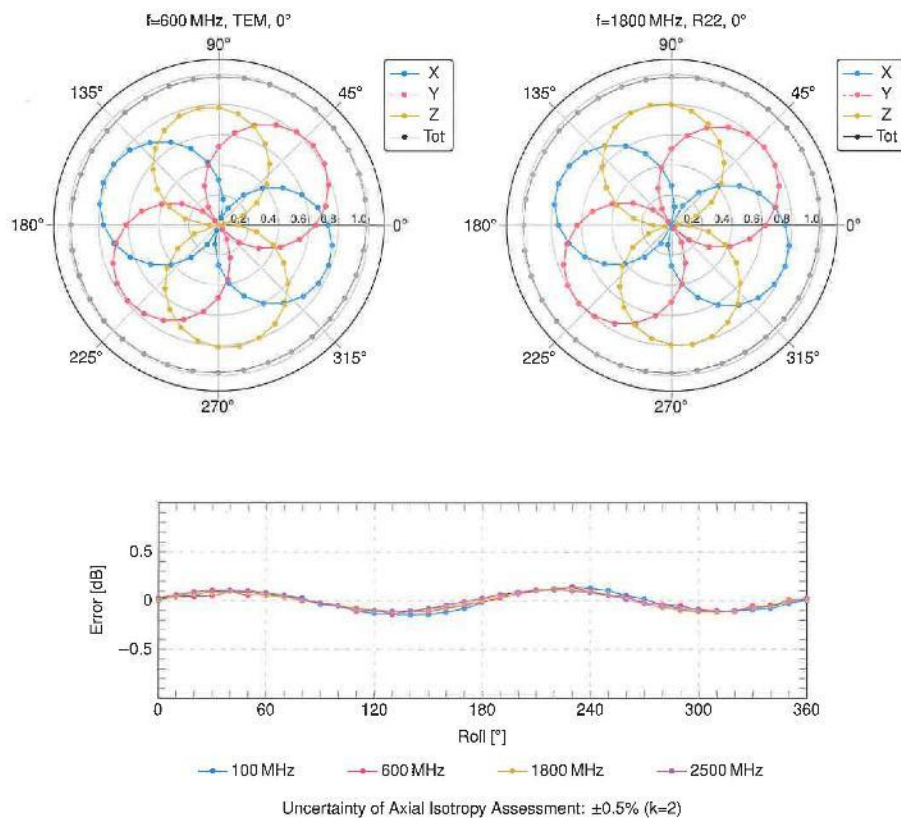


Uncertainty of Frequency Response of E-field:  $\pm 6.3\%$  ( $k=2$ )

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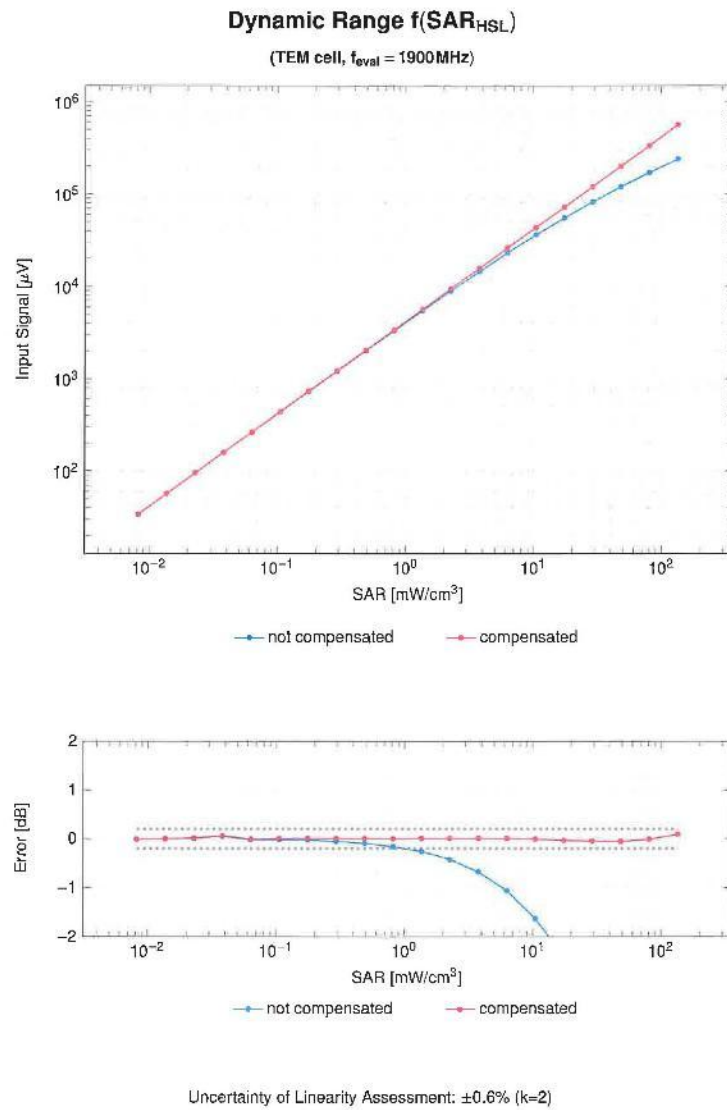
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### Receiving Pattern ( $\phi$ ), $\theta = 0^\circ$



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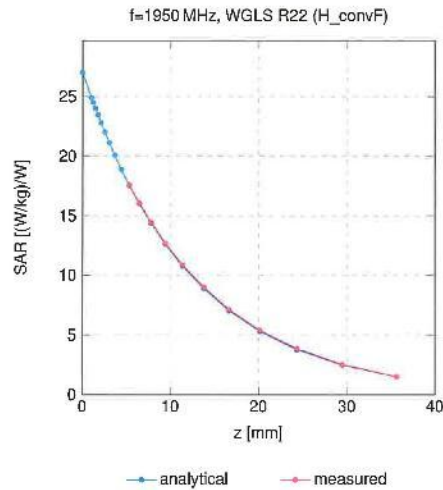
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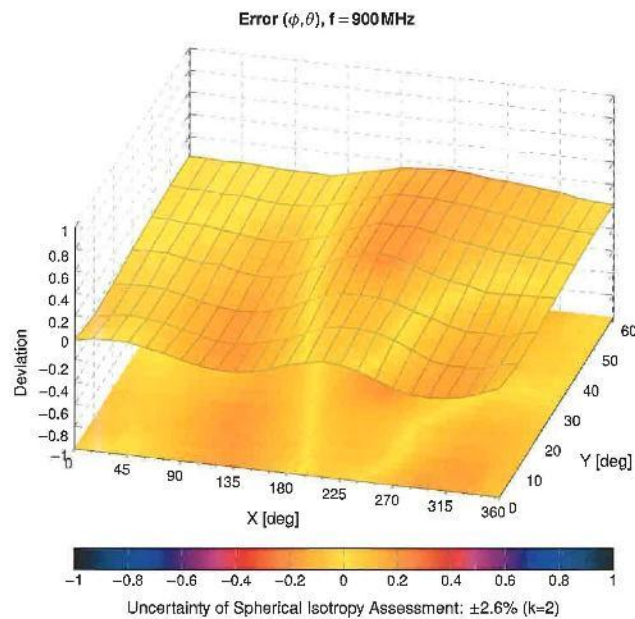
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### Conversion Factor Assessment



### Deviation from Isotropy in Liquid



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### Appendix: Modulation Calibration Parameters

| UID   | Rev | Communication System Name                      | Group     | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|------------------------------------------------|-----------|----------|------------------------|
| 0     |     | Continuous Wave                                | CW        | 0.00     | ±4.7                   |
| 10010 | CAB | Pulse (D=10%, T=100 ms)                        | Test      | 0.00     | ±9.6                   |
| 10011 | CAC | Rel. 99, RMC, QPSK, 5.0 MHz                    | WCDMA     | 2.91     | ±9.6                   |
| 10012 | CAB | DSSS, DBPSK, 1.0 Mbps, 92.5% DC                | WLAN      | 1.87     | ±9.6                   |
| 10013 | CAB | OFDM, BPSK, 6.0 Mbps, 72.1% DC                 | WLAN      | 9.46     | ±9.6                   |
| 10021 | DAC | Voice, GMSK, 1 slot(s)                         | GSM       | 9.39     | ±9.6                   |
| 10023 | DAC | Data, GMSK, 1 slot(s)                          | GSM       | 9.57     | ±9.6                   |
| 10024 | DAC | Data, GMSK, 2 slot(s)                          | GSM       | 6.56     | ±9.6                   |
| 10025 | DAC | Data, BPSK, 1 slot(s)                          | GSM       | 12.62    | ±9.6                   |
| 10026 | DAC | Data, BPSK, 2 slot(s)                          | GSM       | 9.55     | ±9.6                   |
| 10027 | DAC | Data, GMSK, 3 slot(s)                          | GSM       | 4.80     | ±9.6                   |
| 10028 | DAC | Data, GMSK, 4 slot(s)                          | GSM       | 3.55     | ±9.6                   |
| 10029 | DAC | Data, BPSK, 3 slot(s)                          | GSM       | 7.78     | ±9.6                   |
| 10030 | CAA | BR, DH1, GFSK                                  | Bluetooth | 5.30     | ±9.6                   |
| 10031 | CAA | BR, DH3, GFSK                                  | Bluetooth | 1.87     | ±9.6                   |
| 10032 | CAA | BR, DH5, GFSK                                  | Bluetooth | 1.15     | ±9.6                   |
| 10033 | CAA | EDR, DH1, pi/4-QPSK                            | Bluetooth | 7.74     | ±9.6                   |
| 10034 | CAA | EDR, DH3, pi/4-QPSK                            | Bluetooth | 4.53     | ±9.6                   |
| 10035 | CAA | EDR, DH5, pi/4-QPSK                            | Bluetooth | 3.83     | ±9.6                   |
| 10036 | CAA | EDR, DH1, 8-DPSK                               | Bluetooth | 8.01     | ±9.6                   |
| 10037 | CAA | EDR, DH3, 8-DPSK                               | Bluetooth | 4.77     | ±9.6                   |
| 10038 | CAA | EDR, DH5, 8-DPSK                               | Bluetooth | 4.10     | ±9.6                   |
| 10039 | CAB | RC1, 1xRTT                                     | CDMA2000  | 4.57     | ±9.6                   |
| 10048 | CAA | Full Slot, GFSK, 1 slot(s)                     | DECT      | 13.80    | ±9.6                   |
| 10049 | CAA | Double Slot, GFSK, 2 slot(s)                   | DECT      | 10.79    | ±9.6                   |
| 10056 | CAA | TD-SCDMA, QPSK, 1.6 MHz                        | TD-SCDMA  | 11.01    | ±9.6                   |
| 10058 | DAC | Data, BPSK, 4 slot(s)                          | GSM       | 6.52     | ±9.6                   |
| 10059 | CAB | DSSS, DQPSK, 2.0 Mbps, 87.4% DC                | WLAN      | 2.12     | ±9.6                   |
| 10060 | CAB | HR-DSSS, DQPSK, 5.5 Mbps, 72.7% DC             | WLAN      | 2.83     | ±9.6                   |
| 10061 | CAB | HR-DSSS, DQPSK, 11.0 Mbps, 57.5% DC            | WLAN      | 3.60     | ±9.6                   |
| 10062 | CAE | OFDM, BPSK, 6.0 Mbps, 89.1% DC                 | WLAN      | 8.88     | ±9.6                   |
| 10063 | CAE | OFDM, BPSK, 9.0 Mbps, 85.3% DC                 | WLAN      | 8.63     | ±9.6                   |
| 10064 | CAE | OFDM, QPSK, 12.0 Mbps, 82.0% DC                | WLAN      | 9.09     | ±9.6                   |
| 10065 | CAE | OFDM, QPSK, 18.0 Mbps, 76.0% DC                | WLAN      | 9.00     | ±9.6                   |
| 10066 | CAE | OFDM, 16QAM, 24.0 Mbps, 70.6% DC               | WLAN      | 9.38     | ±9.6                   |
| 10067 | CAE | OFDM, 16QAM, 36.0 Mbps, 62.9% DC               | WLAN      | 10.12    | ±9.6                   |
| 10068 | CAE | OFDM, 64QAM, 48.0 Mbps, 56.6% DC               | WLAN      | 10.24    | ±9.6                   |
| 10069 | CAE | OFDM, 64QAM, 54.0 Mbps, 54.4% DC               | WLAN      | 10.56    | ±9.6                   |
| 10071 | CAB | OFDM, BPSK, 9.0 Mbps, 65.1% DC                 | WLAN      | 9.83     | ±9.6                   |
| 10072 | CAB | OFDM, QPSK, 12.0 Mbps, 60.1% DC                | WLAN      | 9.62     | ±9.6                   |
| 10073 | CAB | OFDM, QPSK, 18.0 Mbps, 53.1% DC                | WLAN      | 9.94     | ±9.6                   |
| 10074 | CAB | OFDM, 16QAM, 24.0 Mbps, 48.5% DC               | WLAN      | 10.30    | ±9.6                   |
| 10075 | CAB | OFDM, 16QAM, 36.0 Mbps, 42.9% DC               | WLAN      | 10.77    | ±9.6                   |
| 10076 | CAB | OFDM, 64QAM, 48.0 Mbps, 39.5% DC               | WLAN      | 10.94    | ±9.6                   |
| 10077 | CAB | OFDM, 64QAM, 54.0 Mbps, 38.6% DC               | WLAN      | 11.00    | ±9.6                   |
| 10081 | CAB | RC3, 1xRTT                                     | CDMA2000  | 9.97     | ±9.6                   |
| 10097 | CAC | Rel. 5 HSDPA, QPSK, 5.0 MHz                    | WCDMA     | 3.98     | ±9.6                   |
| 10098 | CAC | Rel. 5 HSUPA, Subset 2, QPSK, 5.0 MHz          | WCDMA     | 3.98     | ±9.6                   |
| 10100 | CAF | 20.0 MHz, QPSK, 100% RB                        | LTE-FDD   | 5.67     | ±9.6                   |
| 10101 | CAF | 20.0 MHz, 16QAM, 100% RB                       | LTE-FDD   | 6.42     | ±9.6                   |
| 10102 | CAF | 20.0 MHz, 64QAM, 100% RB                       | LTE-FDD   | 6.60     | ±9.6                   |
| 10103 | CAH | 20.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 100% RB  | LTE-TDD   | 9.29     | ±9.6                   |
| 10104 | CAH | 20.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 100% RB | LTE-TDD   | 9.97     | ±9.6                   |
| 10105 | CAH | 20.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 100% RB | LTE-TDD   | 10.01    | ±9.6                   |
| 10106 | CAH | 10.0 MHz, QPSK, 100% RB                        | LTE-FDD   | 5.80     | ±9.6                   |
| 10109 | CAH | 10.0 MHz, 16QAM, 100% RB                       | LTE-FDD   | 6.43     | ±9.6                   |
| 10110 | CAH | 5.0 MHz, QPSK, 100% RB                         | LTE-FDD   | 5.75     | ±9.6                   |
| 10111 | CAH | 5.0 MHz, 16QAM, 100% RB                        | LTE-FDD   | 6.44     | ±9.6                   |
| 10112 | CAH | 10.0 MHz, 64QAM, 100% RB                       | LTE-FDD   | 6.59     | ±9.6                   |
| 10113 | CAH | 5.0 MHz, 64QAM, 100% RB                        | LTE-FDD   | 6.62     | ±9.6                   |
| 10114 | CAE | HT40 Greenfield, MCS0 (13.5 Mbps), 99.7% DC    | WLAN      | 8.10     | ±9.6                   |
| 10115 | CAE | HT40 Greenfield, MCS4 (81.0 Mbps), 99.7% DC    | WLAN      | 8.46     | ±9.6                   |
| 10116 | CAE | HT40 Greenfield, MCS7 (135.0 Mbps), 99.7% DC   | WLAN      | 8.15     | ±9.6                   |

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| UID   | Rev | Communication System Name                     | Group   | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|-----------------------------------------------|---------|----------|------------------------|
| 10117 | CAE | HT40 Mixed, MCS0 (13.5 Mbps), 99.7% DC        | WLAN    | 8.07     | +9.6                   |
| 10118 | CAE | HT40 Mixed, MCS4 (81.0 Mbps), 99.7% DC        | WLAN    | 8.59     | +9.6                   |
| 10119 | CAE | HT40 Mixed, MCS7 (135.0 Mbps), 99.7% DC       | WLAN    | 8.13     | +9.6                   |
| 10140 | CAF | 15.0 MHz, 16QAM, 100% RB                      | LTE-FDD | 6.49     | +9.6                   |
| 10141 | CAF | 15.0 MHz, 64QAM, 100% RB                      | LTE-FDD | 6.53     | +9.6                   |
| 10142 | CAF | 3.0 MHz, QPSK, 100% RB                        | LTE-FDD | 5.73     | +9.6                   |
| 10143 | CAF | 3.0 MHz, 16QAM, 100% RB                       | LTE-FDD | 6.35     | +9.6                   |
| 10144 | CAF | 3.0 MHz, 64QAM, 100% RB                       | LTE-FDD | 6.65     | +9.6                   |
| 10145 | CAG | 1.4 MHz, QPSK, 100% RB                        | LTE-FDD | 5.76     | +9.6                   |
| 10146 | CAG | 1.4 MHz, 16QAM, 100% RB                       | LTE-FDD | 6.41     | +9.6                   |
| 10147 | CAG | 1.4 MHz, 64QAM, 100% RB                       | LTE-FDD | 6.72     | +9.6                   |
| 10149 | CAF | 20.0 MHz, 16QAM, 50% RB                       | LTE-FDD | 6.42     | +9.6                   |
| 10150 | CAF | 20.0 MHz, 64QAM, 50% RB                       | LTE-FDD | 6.60     | +9.6                   |
| 10151 | CAH | 20.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 50% RB  | LTE-TDD | 9.28     | +9.6                   |
| 10152 | CAH | 20.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 50% RB | LTE-TDD | 9.92     | +9.6                   |
| 10153 | CAH | 20.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 50% RB | LTE-TDD | 10.05    | +9.6                   |
| 10154 | CAH | 10.0 MHz, QPSK, 50% RB                        | LTE-FDD | 5.75     | +9.6                   |
| 10155 | CAH | 10.0 MHz, 16QAM, 50% RB                       | LTE-FDD | 6.43     | +9.6                   |
| 10156 | CAH | 5.0 MHz, QPSK, 50% RB                         | LTE-FDD | 5.79     | +9.6                   |
| 10157 | CAH | 5.0 MHz, 16QAM, 50% RB                        | LTE-FDD | 6.49     | +9.6                   |
| 10158 | CAH | 10.0 MHz, 64QAM, 50% RB                       | LTE-FDD | 6.62     | +9.6                   |
| 10159 | CAH | 5.0 MHz, 64QAM, 50% RB                        | LTE-FDD | 6.56     | +9.6                   |
| 10160 | CAF | 15.0 MHz, QPSK, 50% RB                        | LTE-FDD | 5.82     | +9.6                   |
| 10161 | CAF | 15.0 MHz, 16QAM, 50% RB                       | LTE-FDD | 6.43     | +9.6                   |
| 10162 | CAF | 15.0 MHz, 64QAM, 50% RB                       | LTE-FDD | 6.58     | +9.6                   |
| 10166 | CAG | 1.4 MHz, QPSK, 50% RB                         | LTE-FDD | 5.46     | +9.6                   |
| 10167 | CAG | 1.4 MHz, 16QAM, 50% RB                        | LTE-FDD | 6.21     | +9.6                   |
| 10168 | CAG | 1.4 MHz, 64QAM, 50% RB                        | LTE-FDD | 6.79     | +9.6                   |
| 10169 | CAF | 20.0 MHz, QPSK, 1 RB                          | LTE-FDD | 5.73     | +9.6                   |
| 10170 | CAF | 20.0 MHz, 16QAM, 1 RB                         | LTE-FDD | 6.52     | +9.6                   |
| 10171 | AAE | 20.0 MHz, 64QAM, 1 RB                         | LTE-FDD | 6.49     | +9.6                   |
| 10172 | CAH | 20.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 1 RB    | LTE-TDD | 9.21     | +9.6                   |
| 10173 | CAH | 20.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 1 RB   | LTE-TDD | 9.48     | +9.6                   |
| 10174 | CAH | 20.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 1 RB   | LTE-TDD | 10.25    | +9.6                   |
| 10175 | CAH | 10.0 MHz, QPSK, 1 RB                          | LTE-FDD | 5.72     | +9.6                   |
| 10176 | CAH | 10.0 MHz, 16QAM, 1 RB                         | LTE-FDD | 6.52     | +9.6                   |
| 10177 | CAJ | 5.0 MHz, QPSK, 1 RB                           | LTE-FDD | 5.73     | +9.6                   |
| 10178 | CAH | 5.0 MHz, 16QAM, 1 RB                          | LTE-FDD | 6.52     | +9.6                   |
| 10179 | CAH | 10.0 MHz, 64QAM, 1 RB                         | LTE-FDD | 6.50     | +9.6                   |
| 10180 | CAH | 5.0 MHz, 64QAM, 1 RB                          | LTE-FDD | 6.50     | +9.6                   |
| 10181 | CAF | 15.0 MHz, QPSK, 1 RB                          | LTE-FDD | 5.72     | +9.6                   |
| 10182 | CAF | 15.0 MHz, 16QAM, 1 RB                         | LTE-FDD | 6.52     | +9.6                   |
| 10183 | AAE | 15.0 MHz, 64QAM, 1 RB                         | LTE-FDD | 6.50     | +9.6                   |
| 10184 | CAF | 3.0 MHz, QPSK, 1 RB                           | LTE-FDD | 5.73     | +9.6                   |
| 10185 | CAF | 3.0 MHz, 16QAM, 1 RB                          | LTE-FDD | 6.51     | +9.6                   |
| 10186 | AAF | 3.0 MHz, 64QAM, 1 RB                          | LTE-FDD | 6.50     | +9.6                   |
| 10187 | CAG | 1.4 MHz, QPSK, 1 RB                           | LTE-FDD | 5.73     | +9.6                   |
| 10188 | CAG | 1.4 MHz, 16QAM, 1 RB                          | LTE-FDD | 6.52     | +9.6                   |
| 10189 | AAG | 1.4 MHz, 64QAM, 1 RB                          | LTE-FDD | 6.50     | +9.6                   |
| 10193 | CAF | HT20 Greenfield, MCS0 (6.5 Mbps), 99.4% DC    | WLAN    | 8.09     | +9.6                   |
| 10194 | CAE | HT20 Greenfield, MCS4 (39.0 Mbps), 99.5% DC   | WLAN    | 8.12     | +9.6                   |
| 10195 | CAE | HT20 Greenfield, MCS7 (65.0 Mbps), 99.5% DC   | WLAN    | 8.21     | +9.6                   |
| 10196 | CAE | HT20 Mixed, MCS0 (6.5 Mbps), 99.4% DC         | WLAN    | 8.10     | +9.6                   |
| 10197 | CAE | HT20 Mixed, MCS4 (39.0 Mbps), 99.5% DC        | WLAN    | 8.13     | +9.6                   |
| 10198 | CAE | HT20 Mixed, MCS7 (65.0 Mbps), 99.5% DC        | WLAN    | 8.27     | +9.6                   |
| 10219 | CAE | HT20 Mixed, MCS0 (7.2 Mbps), 99.3% DC         | WLAN    | 8.03     | +9.6                   |
| 10220 | CAE | HT20 Mixed, MCS4 (43.3 Mbps), 99.4% DC        | WLAN    | 8.13     | +9.6                   |
| 10221 | CAE | HT20 Mixed, MCS7 (72.2 Mbps), 99.4% DC        | WLAN    | 8.27     | +9.6                   |
| 10222 | CAE | HT40 Mixed, MCS0 (15.0 Mbps), 99.7% DC        | WLAN    | 8.06     | +9.6                   |
| 10223 | CAE | HT40 Mixed, MCS4 (90.0 Mbps), 99.7% DC        | WLAN    | 8.48     | +9.6                   |
| 10224 | CAE | HT40 Mixed, MCS7 (150.0 Mbps), 99.7% DC       | WLAN    | 8.08     | +9.6                   |
| 10225 | CAC | Rel. 7 HSPA+, 16QAM, 5.0 MHz                  | WCDMA   | 5.97     | +9.6                   |
| 10226 | CAC | 1.4 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 1 RB    | LTE-TDD | 9.49     | +9.6                   |
| 10227 | CAC | 1.4 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 1 RB    | LTE-TDD | 10.26    | +9.6                   |
| 10228 | CAC | 1.4 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 1 RB     | LTE-TDD | 9.22     | +9.6                   |
| 10229 | CAF | 3.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 1 RB    | LTE-TDD | 9.48     | +9.6                   |

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| UID   | Rev | Communication System Name                        | Group    | PAR (dB) | Unc <sup>F</sup> k = 2 |
|-------|-----|--------------------------------------------------|----------|----------|------------------------|
| 10230 | CAE | 3.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 1 RB       | LTE-TDD  | 10.25    | ±9.6                   |
| 10231 | CAE | 3.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 1 RB        | LTE-TDD  | 9.19     | ±9.6                   |
| 10232 | CAH | 5.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 1 RB       | LTE-TDD  | 9.48     | ±9.6                   |
| 10233 | CAH | 5.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 1 RB       | LTE-TDD  | 10.25    | ±9.6                   |
| 10234 | CAH | 5.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 1 RB        | LTE-TDD  | 9.21     | ±9.6                   |
| 10235 | CAH | 10.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 1 RB      | LTE-TDD  | 9.48     | ±9.6                   |
| 10236 | CAH | 10.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 1 RB      | LTE-TDD  | 10.25    | ±9.6                   |
| 10237 | CAH | 10.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 1 RB       | LTE-TDD  | 9.21     | ±9.6                   |
| 10238 | CAG | 15.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 1 RB      | LTE-TDD  | 9.48     | ±9.6                   |
| 10239 | CAG | 15.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 1 RB      | LTE-TDD  | 10.25    | ±9.6                   |
| 10240 | CAG | 15.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 1 RB       | LTE-TDD  | 9.21     | ±9.6                   |
| 10241 | CAC | 1.4 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 50% RB     | LTE-TDD  | 9.82     | ±9.6                   |
| 10242 | CAC | 1.4 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 50% RB     | LTE-TDD  | 9.86     | ±9.6                   |
| 10243 | CAC | 1.4 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 50% RB      | LTE-TDD  | 9.46     | ±9.6                   |
| 10244 | CAE | 3.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 50% RB     | LTE-TDD  | 10.06    | ±9.6                   |
| 10245 | CAE | 3.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 50% RB     | LTE-TDD  | 10.08    | ±9.6                   |
| 10246 | CAE | 3.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 50% RB      | LTE-TDD  | 9.30     | ±9.6                   |
| 10247 | CAH | 5.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 50% RB     | LTE-TDD  | 9.91     | ±9.6                   |
| 10248 | CAH | 5.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 50% RB     | LTE-TDD  | 10.09    | ±9.6                   |
| 10249 | CAH | 5.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 50% RB      | LTE-TDD  | 9.29     | ±9.6                   |
| 10250 | CAH | 10.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 50% RB    | LTE-TDD  | 9.81     | ±9.6                   |
| 10251 | CAH | 10.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 50% RB    | LTE-TDD  | 10.17    | ±9.6                   |
| 10252 | CAH | 10.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 50% RB     | LTE-TDD  | 9.24     | ±9.6                   |
| 10253 | CAG | 15.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 50% RB    | LTE-TDD  | 9.90     | ±9.6                   |
| 10254 | CAG | 15.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 50% RB    | LTE-TDD  | 10.14    | ±9.6                   |
| 10255 | CAG | 15.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 50% RB     | LTE-TDD  | 9.20     | ±9.6                   |
| 10256 | CAC | 1.4 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 100% RB    | LTE-TDD  | 9.96     | ±9.6                   |
| 10257 | CAC | 1.4 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 100% RB    | LTE-TDD  | 10.08    | ±9.6                   |
| 10258 | CAC | 1.4 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 100% RB     | LTE-TDD  | 9.34     | ±9.6                   |
| 10259 | CAE | 3.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 100% RB    | LTE-TDD  | 9.90     | ±9.6                   |
| 10260 | CAE | 3.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 100% RB    | LTE-TDD  | 9.97     | ±9.6                   |
| 10261 | CAE | 3.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 100% RB     | LTE-TDD  | 9.24     | ±9.6                   |
| 10262 | CAH | 5.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 100% RB    | LTE-TDD  | 9.83     | ±9.6                   |
| 10263 | CAH | 5.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 100% RB    | LTE-TDD  | 10.16    | ±9.6                   |
| 10264 | CAH | 5.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 100% RB     | LTE-TDD  | 9.23     | ±9.6                   |
| 10265 | CAH | 10.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 100% RB   | LTE-TDD  | 9.92     | ±9.6                   |
| 10266 | CAH | 10.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 100% RB   | LTE-TDD  | 10.07    | ±9.6                   |
| 10267 | CAH | 10.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 100% RB    | LTE-TDD  | 9.30     | ±9.6                   |
| 10268 | CAG | 15.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 100% RB   | LTE-TDD  | 10.06    | ±9.6                   |
| 10269 | CAG | 15.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 100% RB   | LTE-TDD  | 10.13    | ±9.6                   |
| 10270 | CAG | 15.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 100% RB    | LTE-TDD  | 9.58     | ±9.6                   |
| 10274 | CAC | Rel. 6 HSUPA Subset 2, beta_d 0, QPSK, 5.0 MHz   | WCDMA    | 4.87     | ±9.6                   |
| 10275 | CAC | Rel. 6 HSUPA Subset 2, beta_d 15, QPSK, 5.0 MHz  | WCDMA    | 3.96     | ±9.6                   |
| 10290 | AAB | RC1, SO55, Full frame rate, 1xRTT                | CDMA2000 | 3.91     | ±9.6                   |
| 10291 | AAB | RC3, SO55, Full frame rate, 1xRTT                | CDMA2000 | 3.46     | ±9.6                   |
| 10292 | AAB | RC3, SO32, Full frame rate, SCH0 disabled, 1xRTT | CDMA2000 | 3.39     | ±9.6                   |
| 10293 | AAB | RC3, SO3, Full frame rate, 1xRTT                 | CDMA2000 | 3.50     | ±9.6                   |
| 10295 | AAB | RC3, SO3, 1/8 frame rate, 1xRTT                  | CDMA2000 | 12.49    | ±9.6                   |
| 10297 | AAE | 20.0 MHz, QPSK, 50% RB                           | LTE-FDD  | 5.81     | ±9.6                   |
| 10298 | AAE | 3.0 MHz, QPSK, 50% RB                            | LTE-FDD  | 5.72     | ±9.6                   |
| 10299 | AAE | 3.0 MHz, 16QAM, 50% RB                           | LTE-FDD  | 6.39     | ±9.6                   |
| 10300 | AAF | 3.0 MHz, 64QAM, 50% RB                           | LTE-FDD  | 6.60     | ±9.6                   |
| 10301 | AAA | PUSC, 29:18, QPSK, 5.0 ms, 18 TRAF SYM           | WIMAX    | 12.03    | ±9.6                   |
| 10302 | AAA | PUSC, 29:18, QPSK, 5.0 ms, 15 TRAF SYM           | WIMAX    | 12.57    | ±9.6                   |
| 10303 | AAA | PUSC, 31:15, 64QAM, 5.0 ms, 15 TRAF SYM          | WIMAX    | 12.52    | ±9.6                   |
| 10304 | AAA | PUSC, 29:18, 64QAM, 5.0 ms, 18 TRAF SYM          | WIMAX    | 11.86    | ±9.6                   |
| 10305 | AAA | PUSC, 31:15, 64QAM, 10.0 ms, 15 TRAF SYM         | WIMAX    | 15.24    | ±9.6                   |
| 10306 | AAA | PUSC, 29:18, 64QAM, 10.0 ms, 18 TRAF SYM         | WIMAX    | 14.67    | ±9.6                   |
| 10307 | AAA | PUSC, 29:18, QPSK, 10.0 ms, 18 TRAF SYM          | WIMAX    | 14.49    | ±9.6                   |
| 10308 | AAA | PUSC, 29:18, 16QAM, 10.0 ms, 18 TRAF SYM         | WIMAX    | 14.46    | ±9.6                   |
| 10309 | AAI | AMC 2x3, 29:18, 16QAM, 10.0 ms, 18 TRAF SYM      | WIMAX    | 14.68    | ±9.6                   |
| 10310 | AAA | AMC 2x3, 29:18, QPSK, 10.0 ms, 18 TRAF SYM       | WIMAX    | 14.57    | ±9.6                   |
| 10311 | AAE | 15.0 MHz, QPSK, 100% RB                          | LTE-FDD  | 6.06     | ±9.6                   |
| 10315 | AAB | DSSS, DBPSK, 1.0 Mbps, 96.0% DC                  | WLAN     | 1.71     | ±9.6                   |
| 10316 | AAB | OFDM, BPSK, 6.0 Mbps, 95.9% DC                   | WLAN     | 8.36     | ±9.6                   |
| 10317 | AAE | OFDM, BPSK, 6.0 Mbps, 95.9% DC                   | WLAN     | 8.36     | ±9.6                   |

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| UID   | Rev | Communication System Name                                  | Group    | PAR (dB) | Unc <sup>F</sup> k = 2 |
|-------|-----|------------------------------------------------------------|----------|----------|------------------------|
| 10352 | AAA | Pulse (D=10%, T=5 ms)                                      | Generic  | 10.00    | ±9.6                   |
| 10353 | AAA | Pulse (D=20%, T=5 ms)                                      | Generic  | 6.99     | ±9.6                   |
| 10354 | AAA | Pulse (D=40%, T=5 ms)                                      | Generic  | 3.96     | ±9.6                   |
| 10355 | AAA | Pulse (D=60%, T=5 ms)                                      | Generic  | 2.22     | ±9.6                   |
| 10356 | AAA | Pulse (D=80%, T=5 ms)                                      | Generic  | 0.97     | ±9.6                   |
| 10387 | AAA | Random (BW=1 MHz, MOD=QPSK)                                | Generic  | 5.10     | ±9.6                   |
| 10386 | AAA | Random (BW=10 MHz, MOD=QPSK)                               | Generic  | 5.22     | ±9.6                   |
| 10396 | AAA | Random (BW=100 MHz, MOD=64QAM)                             | Generic  | 6.27     | ±9.6                   |
| 10399 | AAA | Random (BW=40 MHz, MOD=64QAM)                              | Generic  | 6.27     | ±9.6                   |
| 10400 | AAF | VHT20, MCS5 (52.0 Mbps), 99.0% DC                          | WLAN     | 8.37     | ±9.6                   |
| 10401 | AAF | VHT40, MCS5 (108.0 Mbps), 96.7% DC                         | WLAN     | 8.60     | ±9.6                   |
| 10402 | AAF | VHT80, MCS5 (234.0 Mbps), 99.0% DC                         | WLAN     | 8.53     | ±9.6                   |
| 10403 | AAB | Rev. 0, 1xEV-DO                                            | CDMA2000 | 3.76     | ±9.6                   |
| 10404 | AAB | Rev. A, 1xEV-DO                                            | CDMA2000 | 3.77     | ±9.6                   |
| 10406 | AAB | RC3, SC32, Full frame rate, SCH0 enabled, 1xRTT            | CDMA2000 | 5.22     | ±9.6                   |
| 10410 | AAH | *0.0 MHz, QPSK, UL/DL CFG: 0, SSC: 4, 1 RB                 | LTE-TDD  | 7.82     | ±9.6                   |
| 10414 | AAA | Random (BW=40 MHz, HIGH PAR)                               | Generic  | 8.54     | ±9.6                   |
| 10415 | AAA | DSSS, DBPSK, 1.0 Mbps, 99.9% DC                            | WLAN     | 1.54     | ±9.6                   |
| 10416 | AAA | OFDM, BPSK, 6.0 Mbps, 99.5% DC                             | WLAN     | 8.23     | ±9.6                   |
| 10417 | AAD | OFDM, BPSK, 6.0 Mbps, 99.9% DC                             | WLAN     | 8.23     | ±9.6                   |
| 10418 | AAA | OFDM (LTF), BPSK, 6.0 Mbps, 99.8% DC                       | WLAN     | 8.14     | ±9.6                   |
| 10419 | AAA | OFDM (STF), BPSK, 6.0 Mbps, 99.8% DC                       | WLAN     | 8.19     | ±9.6                   |
| 10422 | AAD | HT20 Greenfield, MCS0 (7.2 Mbps), 99.3% DC                 | WLAN     | 8.32     | ±9.6                   |
| 10423 | AAD | HT20 Greenfield, MCS4 (43.3 Mbps), 99.3% DC                | WLAN     | 8.47     | ±9.6                   |
| 10424 | AAD | HT20 Greenfield, MCS7 (72.2 Mbps), 99.3% DC                | WLAN     | 8.40     | ±9.6                   |
| 10425 | AAD | HT40 Greenfield, MCS0 (15.0 Mbps), 99.2% DC                | WLAN     | 8.41     | ±9.6                   |
| 10426 | AAD | HT40 Greenfield, MCS4 (90.0 Mbps), 99.2% DC                | WLAN     | 8.45     | ±9.6                   |
| 10427 | AAD | HT40 Greenfield, MCS7 (150.0 Mbps), 99.2% DC               | WLAN     | 8.41     | ±9.6                   |
| 10430 | AAE | 5.0 MHz, 64-QAM, 100% RB                                   | LTE-FDD  | 8.28     | ±9.6                   |
| 10431 | AAE | 10.0 MHz, 64-QAM, 100% RB                                  | LTE-FDD  | 8.38     | ±9.6                   |
| 10432 | AAD | 15.0 MHz, 64-QAM, 100% RB                                  | LTE-FDD  | 8.34     | ±9.6                   |
| 10433 | AAD | 20.0 MHz, 64-QAM, 100% RB                                  | LTE-FDD  | 8.34     | ±9.6                   |
| 10434 | AAB | BS Test Model 1, 64 DPCH, 64QAM, 5.0 MHz (DL)              | WCDMA    | 8.60     | ±9.6                   |
| 10435 | AAG | 20.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 1 RB                 | LTE-TDD  | 7.82     | ±9.6                   |
| 10447 | AAE | 5.0 MHz, 64-QAM, 100% RB                                   | LTE-FDD  | 7.56     | ±9.6                   |
| 10448 | AAE | 10.0 MHz, 64-QAM, 100% RB                                  | LTE-FDD  | 7.53     | ±9.6                   |
| 10449 | AAD | 15.0 MHz, 64-QAM, 100% RB                                  | LTE-FDD  | 7.51     | ±9.6                   |
| 10450 | AAD | 20.0 MHz, 64-QAM, 100% RB                                  | LTE-FDD  | 7.48     | ±9.6                   |
| 10451 | AAB | BS Test Model 1, 64 DPCH Clipping 44%, 64QAM, 5.0 MHz (DL) | WCDMA    | 7.59     | ±9.6                   |
| 10458 | AAD | VHT160, MCS5 (58.5 Mbps), 99.0% DC                         | WLAN     | 8.63     | ±9.6                   |
| 10457 | AAB | Rel. 5 DC-HSDPA, QPSK, 10.0 MHz                            | WCDMA    | 6.62     | ±9.6                   |
| 10458 | AAA | Rev. B, 2 carriers, 1xEV-DO                                | CDMA2000 | 6.55     | ±9.6                   |
| 10459 | AAA | Rev. B, 3 carriers, 1xEV-DO                                | CDMA2000 | 8.25     | ±9.6                   |
| 10460 | AAB | Rel. 99, AMR, QPSK, 5.0 MHz                                | WCDMA    | 2.39     | ±9.6                   |
| 10461 | AAC | 1.4 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 1 RB                  | LTE-TDD  | 7.82     | ±9.6                   |
| 10462 | AAC | 1.4 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 1 RB                 | LTE-TDD  | 8.30     | ±9.6                   |
| 10463 | AAC | 1.4 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 1 RB                 | LTE-TDD  | 8.56     | ±9.6                   |
| 10464 | AAD | 3.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 1 RB                  | LTE-TDD  | 7.82     | ±9.6                   |
| 10465 | AAD | 3.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 1 RB                 | LTE-TDD  | 8.32     | ±9.6                   |
| 10466 | AAD | 3.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 1 RB                 | LTE-TDD  | 8.57     | ±9.6                   |
| 10467 | AAG | 5.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 1 RB                  | LTE-TDD  | 7.82     | ±9.6                   |
| 10468 | AAG | 5.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 1 RB                 | LTE-TDD  | 8.32     | ±9.6                   |
| 10469 | AAG | 5.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 1 RB                 | LTE-TDD  | 8.56     | ±9.6                   |
| 10470 | AAG | 10.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 1 RB                 | LTE-TDD  | 7.82     | ±9.6                   |
| 10471 | AAG | 10.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 1 RB                | LTE-TDD  | 8.32     | ±9.6                   |
| 10472 | AAG | 10.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 1 RB                | LTE-TDD  | 8.57     | ±9.6                   |
| 10473 | AAF | 15.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 1 RB                 | LTE-TDD  | 7.82     | ±9.6                   |
| 10474 | AAF | 15.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 1 RB                | LTE-TDD  | 8.32     | ±9.6                   |
| 10475 | AAF | 15.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 1 RB                | LTE-TDD  | 8.57     | ±9.6                   |
| 10477 | AAG | 20.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 1 RB                | LTE-TDD  | 8.32     | ±9.6                   |
| 10478 | AAG | 20.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 1 RB                | LTE-TDD  | 8.57     | ±9.6                   |
| 10479 | AAC | 1.4 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 50% RB                | LTE-TDD  | 7.74     | ±9.6                   |
| 10480 | AAC | 1.4 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 50% RB               | LTE-TDD  | 8.18     | ±9.6                   |
| 10481 | AAC | 1.4 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 50% RB               | LTE-TDD  | 8.45     | ±9.6                   |
| 10482 | AAD | 3.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 50% RB                | LTE-TDD  | 7.71     | ±9.6                   |
| 10483 | AAD | 3.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 50% RB               | LTE-TDD  | 8.39     | ±9.6                   |

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| UID   | Rev | Communication System Name                      | Group   | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|------------------------------------------------|---------|----------|------------------------|
| 10484 | AAD | 3.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 50% RB   | LTE-TDD | 8.47     | ±9.6                   |
| 10485 | AAG | 5.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 50% RB    | LTE-TDD | 7.59     | ±9.6                   |
| 10486 | AAG | 5.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 50% RB   | LTE-TDD | 8.38     | ±9.6                   |
| 10487 | AAG | 5.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 50% RB   | LTE-TDD | 8.60     | ±9.6                   |
| 10488 | AAG | 10.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 50% RB   | LTE-TDD | 7.70     | ±9.6                   |
| 10489 | AAG | 10.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 50% RB  | LTE-TDD | 8.31     | ±9.6                   |
| 10490 | AAG | 10.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 50% RB  | LTE-TDD | 8.54     | ±9.6                   |
| 10491 | AAF | 15.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 50% RB   | LTE-TDD | 7.74     | ±9.6                   |
| 10492 | AAF | 15.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 50% RB  | LTE-TDD | 8.41     | ±9.6                   |
| 10493 | AAF | 15.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 50% RB  | LTE-TDD | 8.55     | ±9.6                   |
| 10494 | AAG | 20.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 50% RB   | LTE-TDD | 7.74     | ±9.6                   |
| 10495 | AAG | 20.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 50% RB  | LTE-TDD | 8.37     | ±9.6                   |
| 10496 | AAG | 20.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 50% RB  | LTE-TDD | 8.54     | ±9.6                   |
| 10497 | AAC | 1.4 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 100% RB   | LTE-TDD | 7.67     | ±9.6                   |
| 10498 | AAC | 1.4 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 100% RB  | LTE-TDD | 8.40     | ±9.6                   |
| 10499 | AAC | 1.4 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 100% RB  | LTE-TDD | 8.68     | ±9.6                   |
| 10500 | AAD | 3.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 100% RB   | LTE-TDD | 7.67     | ±9.6                   |
| 10501 | AAD | 3.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 100% RB  | LTE-TDD | 8.44     | ±9.6                   |
| 10502 | AAD | 3.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 100% RB  | LTE-TDD | 8.52     | ±9.6                   |
| 10503 | AAG | 5.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 100% RB   | LTE-TDD | 7.72     | ±9.6                   |
| 10504 | AAG | 5.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 100% RB  | LTE-TDD | 8.31     | ±9.6                   |
| 10505 | AAG | 5.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 100% RB  | LTE-TDD | 8.54     | ±9.6                   |
| 10506 | AAG | 10.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 100% RB  | LTE-TDD | 7.74     | ±9.6                   |
| 10507 | AAG | 10.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 100% RB | LTE-TDD | 8.36     | ±9.6                   |
| 10508 | AAG | 10.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 100% RB | LTE-TDD | 8.55     | ±9.6                   |
| 10509 | AAI | 15.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 100% RB  | LTE-TDD | 7.99     | ±9.6                   |
| 10510 | AAF | 15.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 100% RB | LTE-TDD | 8.49     | ±9.6                   |
| 10511 | AAF | 15.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 100% RB | LTE-TDD | 8.51     | ±9.6                   |
| 10512 | AAG | 20.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 100% RB  | LTE-TDD | 7.74     | ±9.6                   |
| 10513 | AAG | 20.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 100% RB | LTE-TDD | 8.42     | ±9.6                   |
| 10514 | AAG | 20.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 100% RB | LTE-TDD | 8.45     | ±9.6                   |
| 10515 | AAA | DSSS, DQPSK, 2.0 Mbps, 99.0% DC                | WLAN    | 1.58     | ±9.6                   |
| 10516 | AAA | HR-DSSS, DQPSK, 5.5 Mbps, 99.2% DC             | WLAN    | 1.57     | ±9.6                   |
| 10517 | AAA | HR-DSSS, DQPSK, 11.0 Mbps, 99.0% DC            | WLAN    | 1.58     | ±9.6                   |
| 10518 | AAD | OFDM, BPSK, 9.0 Mbps, 99.9% DC                 | WLAN    | 8.23     | ±9.6                   |
| 10519 | AAD | OFDM, QPSK, 12.0 Mbps, 99.0% DC                | WLAN    | 8.39     | ±9.6                   |
| 10520 | AAD | OFDM, QPSK, 18.0 Mbps, 99.0% DC                | WLAN    | 8.12     | ±9.6                   |
| 10521 | AAD | OFDM, 16QAM, 24.0 Mbps, 99.0% DC               | WLAN    | 7.97     | ±9.6                   |
| 10522 | AAD | OFDM, 16QAM, 36.0 Mbps, 99.0% DC               | WLAN    | 8.45     | ±9.6                   |
| 10523 | AAD | OFDM, 64QAM, 48.0 Mbps, 99.0% DC               | WLAN    | 8.08     | ±9.6                   |
| 10524 | AAD | OFDM, 64QAM, 54.0 Mbps, 99.0% DC               | WLAN    | 8.27     | ±9.6                   |
| 10525 | AAD | VHT20, MCS0 (6.5 Mbps), 98.9% DC               | WLAN    | 8.36     | ±9.6                   |
| 10526 | AAD | VHT20, MCS1 (13.0 Mbps), 99.0% DC              | WLAN    | 8.42     | ±9.6                   |
| 10527 | AAD | VHT20, MCS2 (19.5 Mbps), 99.0% DC              | WLAN    | 8.21     | ±9.6                   |
| 10528 | AAD | VHT20, MCS3 (26.0 Mbps), 99.0% DC              | WLAN    | 8.36     | ±9.6                   |
| 10529 | AAD | VHT20, MCS4 (39.0 Mbps), 99.0% DC              | WLAN    | 8.36     | ±9.6                   |
| 10531 | AAD | VHT20, MCS6 (58.5 Mbps), 99.0% DC              | WLAN    | 8.43     | ±9.6                   |
| 10532 | AAD | VHT20, MCS7 (65.0 Mbps), 99.0% DC              | WLAN    | 8.29     | ±9.6                   |
| 10533 | AAD | VHT20, MCS8 (78.0 Mbps), 99.0% DC              | WLAN    | 8.38     | ±9.6                   |
| 10534 | AAD | VHT40, MCS0 (13.5 Mbps), 98.9% DC              | WLAN    | 8.45     | ±9.6                   |
| 10535 | AAD | VHT40, MCS1 (27.0 Mbps), 98.8% DC              | WLAN    | 8.45     | ±9.6                   |
| 10536 | AAD | VHT40, MCS2 (40.5 Mbps), 98.8% DC              | WLAN    | 8.32     | ±9.6                   |
| 10537 | AAD | VHT40, MCS3 (54.0 Mbps), 98.7% DC              | WLAN    | 8.44     | ±9.6                   |
| 10538 | AAD | VHT40, MCS4 (81.0 Mbps), 98.5% DC              | WLAN    | 8.54     | ±9.6                   |
| 10540 | AAD | VHT40, MCS6 (121.5 Mbps), 98.3% DC             | WLAN    | 8.39     | ±9.6                   |
| 10541 | AAD | VHT40, MCS7 (135.0 Mbps), 98.3% DC             | WLAN    | 8.46     | ±9.6                   |
| 10542 | AAD | VHT40, MCS8 (162.0 Mbps), 98.1% DC             | WLAN    | 8.65     | ±9.6                   |
| 10543 | AAD | VHT40, MCS9 (180.0 Mbps), 98.0% DC             | WLAN    | 8.65     | ±9.6                   |
| 10544 | AAD | VHT80, MCS0 (28.3 Mbps), 99.0% DC              | WLAN    | 8.47     | ±9.6                   |
| 10545 | AAD | VHT80, MCS1 (56.5 Mbps), 99.0% DC              | WLAN    | 8.55     | ±9.6                   |
| 10546 | AAD | VHT80, MCS2 (87.8 Mbps), 99.0% DC              | WLAN    | 8.35     | ±9.6                   |
| 10547 | AAD | VHT80, MCS3 (117.0 Mbps), 99.0% DC             | WLAN    | 8.49     | ±9.6                   |
| 10548 | AAD | VHT80, MCS4 (175.5 Mbps), 99.0% DC             | WLAN    | 8.37     | ±9.6                   |
| 10550 | AAD | VHT80, MCS5 (263.3 Mbps), 99.0% DC             | WLAN    | 8.38     | ±9.6                   |
| 10551 | AAD | VHT80, MCS7 (292.5 Mbps), 99.0% DC             | WLAN    | 8.50     | ±9.6                   |
| 10552 | AAD | VHT80, MCS8 (351.0 Mbps), 99.0% DC             | WLAN    | 8.42     | ±9.6                   |

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| UID   | Rev | Communication System Name               | Group | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|-----------------------------------------|-------|----------|------------------------|
| 10553 | AAD | VHT180, MCS9 (390.0 Mbps), 99.0% DC     | WLAN  | 8.45     | ±9.6                   |
| 10554 | AAE | VHT160, MCS0 (58.5 Mbps), 99.0% DC      | WLAN  | 8.48     | ±9.6                   |
| 10555 | AAE | VHT150, MCS1 (117.0 Mbps), 99.0% DC     | WLAN  | 8.47     | ±9.6                   |
| 10556 | AAE | VHT160, MCS2 (175.5 Mbps), 99.0% DC     | WLAN  | 8.50     | ±9.6                   |
| 10557 | AAE | VHT150, MCS3 (234.0 Mbps), 99.0% DC     | WLAN  | 8.52     | ±9.6                   |
| 10558 | AAE | VHT150, MCS4 (351.0 Mbps), 99.0% DC     | WLAN  | 8.61     | ±9.6                   |
| 10560 | AAE | VHT150, MCS6 (526.5 Mbps), 99.0% DC     | WLAN  | 8.73     | ±9.6                   |
| 10561 | AAE | VHT150, MCS7 (585.0 Mbps), 99.0% DC     | WLAN  | 8.56     | ±9.6                   |
| 10562 | AAE | VHT150, MCS8 (702.0 Mbps), 99.0% DC     | WLAN  | 8.69     | ±9.6                   |
| 10563 | AAE | VHT160, MCS9 (780.0 Mbps), 99.0% DC     | WLAN  | 8.77     | ±9.6                   |
| 10564 | AAA | OFDM, BPSK, 3.0 Mbps, 99.9% DC          | WLAN  | 8.25     | ±9.6                   |
| 10565 | AAA | OFDM, QPSK, 12.0 Mbps, 99.0% DC         | WLAN  | 8.45     | ±9.6                   |
| 10566 | AAA | OFDM, QPSK, 18.0 Mbps, 99.0% DC         | WLAN  | 8.13     | ±9.6                   |
| 10567 | AAA | OFDM, 16QAM, 24.0 Mbps, 99.0% DC        | WLAN  | 8.00     | ±9.6                   |
| 10568 | AAA | OFDM, 16QAM, 36.0 Mbps, 99.0% DC        | WLAN  | 8.37     | ±9.6                   |
| 10569 | AAA | OFDM, 64QAM, 48.0 Mbps, 99.0% DC        | WLAN  | 8.10     | ±9.6                   |
| 10570 | AAA | OFDM, 64QAM, 54.0 Mbps, 99.0% DC        | WLAN  | 8.30     | ±9.6                   |
| 10571 | AAA | DSSS, CQPSK, 1.0 Mbps, 90.0% DC         | WLAN  | 1.99     | ±9.6                   |
| 10572 | AAA | DSSS, CQPSK, 2.0 Mbps, 90.0% DC         | WLAN  | 1.99     | ±9.6                   |
| 10573 | AAA | -R-DSSS, DQPSK, 5.5 Mbps, 90.1% DC      | WLAN  | 1.98     | ±9.6                   |
| 10574 | AAA | -R-DSSS, DQPSK, 11.0 Mbps, 90.3% DC     | WLAN  | 1.98     | ±9.6                   |
| 10575 | AAA | OFDM, BPSK, 3.0 Mbps, 99.9% DC          | WLAN  | 8.59     | ±9.6                   |
| 10576 | AAA | OFDM, BPSK, 3.0 Mbps, 99.9% DC          | WLAN  | 8.60     | ±9.6                   |
| 10577 | AAA | OFDM, QPSK, 12.0 Mbps, 99.0% DC         | WLAN  | 8.70     | ±9.6                   |
| 10578 | AAA | OFDM, QPSK, 18.0 Mbps, 99.0% DC         | WLAN  | 8.49     | ±9.6                   |
| 10579 | AAA | OFDM, 16QAM, 24.0 Mbps, 99.0% DC        | WLAN  | 8.36     | ±9.6                   |
| 10580 | AAA | OFDM, 16QAM, 36.0 Mbps, 99.0% DC        | WLAN  | 8.76     | ±9.6                   |
| 10581 | AAA | OFDM, 64QAM, 48.0 Mbps, 99.0% DC        | WLAN  | 8.35     | ±9.6                   |
| 10582 | AAA | OFDM, 64QAM, 54.0 Mbps, 99.0% DC        | WLAN  | 8.67     | ±9.6                   |
| 10583 | AAD | OFDM, BPSK, 3.0 Mbps, 99.9% DC          | WLAN  | 8.59     | ±9.6                   |
| 10584 | AAD | OFDM, BPSK, 3.0 Mbps, 99.9% DC          | WLAN  | 8.60     | ±9.6                   |
| 10585 | AAD | OFDM, QPSK, 12.0 Mbps, 99.0% DC         | WLAN  | 8.70     | ±9.6                   |
| 10586 | AAD | OFDM, QPSK, 18.0 Mbps, 99.0% DC         | WLAN  | 8.49     | ±9.6                   |
| 10587 | AAD | OFDM, 16QAM, 24.0 Mbps, 99.0% DC        | WLAN  | 8.36     | ±9.6                   |
| 10588 | AAD | OFDM, 16QAM, 36.0 Mbps, 99.0% DC        | WLAN  | 8.76     | ±9.6                   |
| 10589 | AAD | OFDM, 64QAM, 48.0 Mbps, 99.0% DC        | WLAN  | 8.35     | ±9.6                   |
| 10590 | AAD | OFDM, 64QAM, 54.0 Mbps, 99.0% DC        | WLAN  | 8.67     | ±9.6                   |
| 10591 | AAD | HT20 Mixed, MCS0 (6.5 Mbps), 89.9% DC   | WLAN  | 8.63     | ±9.6                   |
| 10592 | AAD | HT20 Mixed, MCS1 (13.0 Mbps), 90.0% DC  | WLAN  | 8.79     | ±9.6                   |
| 10593 | AAD | HT20 Mixed, MCS2 (19.5 Mbps), 90.0% DC  | WLAN  | 8.64     | ±9.6                   |
| 10594 | AAD | HT20 Mixed, MCS3 (26.0 Mbps), 90.0% DC  | WLAN  | 8.74     | ±9.6                   |
| 10595 | AAD | HT20 Mixed, MCS4 (39.0 Mbps), 90.0% DC  | WLAN  | 8.74     | ±9.6                   |
| 10596 | AAD | HT20 Mixed, MCS5 (52.0 Mbps), 90.0% DC  | WLAN  | 8.71     | ±9.6                   |
| 10597 | AAD | HT20 Mixed, MCS6 (58.5 Mbps), 90.0% DC  | WLAN  | 8.72     | ±9.6                   |
| 10598 | AAD | HT20 Mixed, MCS7 (65.0 Mbps), 90.0% DC  | WLAN  | 8.50     | ±9.6                   |
| 10599 | AAD | HT40 Mixed, MCS0 (13.5 Mbps), 89.9% DC  | WLAN  | 8.79     | ±9.6                   |
| 10600 | AAD | HT40 Mixed, MCS1 (27.0 Mbps), 89.7% DC  | WLAN  | 8.88     | ±9.6                   |
| 10601 | AAD | HT40 Mixed, MCS2 (40.5 Mbps), 89.6% DC  | WLAN  | 8.82     | ±9.6                   |
| 10602 | AAD | HT40 Mixed, MCS3 (54.0 Mbps), 89.4% DC  | WLAN  | 8.94     | ±9.6                   |
| 10603 | AAD | HT40 Mixed, MCS4 (91.0 Mbps), 89.2% DC  | WLAN  | 9.03     | ±9.6                   |
| 10604 | AAD | HT40 Mixed, MCS5 (108.0 Mbps), 88.9% DC | WLAN  | 8.76     | ±9.6                   |
| 10605 | AAD | HT40 Mixed, MCS6 (121.5 Mbps), 88.8% DC | WLAN  | 8.97     | ±9.6                   |
| 10606 | AAD | HT40 Mixed, MCS7 (135.0 Mbps), 88.7% DC | WLAN  | 8.82     | ±9.6                   |
| 10607 | AAD | VHT20, MCS0 (6.5 Mbps), 89.9% DC        | WLAN  | 8.64     | ±9.6                   |
| 10608 | AAD | VHT20, MCS1 (13.0 Mbps), 90.0% DC       | WLAN  | 8.77     | ±9.6                   |
| 10609 | AAD | VHT20, MCS2 (19.5 Mbps), 90.0% DC       | WLAN  | 8.57     | ±9.6                   |
| 10610 | AAD | VHT20, MCS3 (26.0 Mbps), 90.0% DC       | WLAN  | 8.78     | ±9.6                   |
| 10611 | AAD | VHT20, MCS4 (39.0 Mbps), 90.0% DC       | WLAN  | 8.70     | ±9.6                   |
| 10612 | AAD | VHT20, MCS5 (52.0 Mbps), 90.0% DC       | WLAN  | 8.77     | ±9.6                   |
| 10613 | AAD | VHT20, MCS6 (58.5 Mbps), 90.0% DC       | WLAN  | 8.94     | ±9.6                   |
| 10614 | AAD | VHT20, MCS7 (65.0 Mbps), 90.0% DC       | WLAN  | 8.59     | ±9.6                   |
| 10615 | AAD | VHT20, MCS8 (78.0 Mbps), 90.0% DC       | WLAN  | 8.82     | ±9.6                   |
| 10616 | AAD | VHT40, MCS0 (13.5 Mbps), 89.9% DC       | WLAN  | 8.82     | ±9.6                   |
| 10617 | AAD | VHT40, MCS1 (27.0 Mbps), 89.7% DC       | WLAN  | 8.81     | ±9.6                   |
| 10618 | AAD | VHT40, MCS2 (40.5 Mbps), 89.6% DC       | WLAN  | 8.50     | ±9.6                   |
| 10619 | AAD | VHT40, MCS3 (54.0 Mbps), 89.4% DC       | WLAN  | 8.86     | ±9.6                   |

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| UID   | Rev | Communication System Name                 | Group     | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|-------------------------------------------|-----------|----------|------------------------|
| 10620 | AAD | VHT40, MCS4 (81.0 Mbps), 89.2% DC         | WLAN      | 8.87     | +9.6                   |
| 10621 | AAD | VHT40, MCS5 (108.0 Mbps), 88.9% DC        | WLAN      | 8.77     | +9.6                   |
| 10622 | AAD | VHT40, MCS6 (121.5 Mbps), 88.8% DC        | WLAN      | 8.68     | +9.6                   |
| 10623 | AAD | VHT40, MCS7 (135.0 Mbps), 88.6% DC        | WLAN      | 8.82     | +9.6                   |
| 10624 | AAD | VHT40, MCS9 (162.0 Mbps), 88.4% DC        | WLAN      | 8.96     | +9.6                   |
| 10625 | AAD | VHT40, MCS9 (180.0 Mbps), 88.2% DC        | WLAN      | 8.96     | +9.6                   |
| 10626 | AAD | VHT80, MCS0 (29.3 Mbps), 90.0% DC         | WLAN      | 8.83     | +9.6                   |
| 10627 | AAD | VHT80, MCS1 (58.5 Mbps), 90.0% DC         | WLAN      | 8.88     | +9.6                   |
| 10628 | AAD | VHT80, MCS2 (87.8 Mbps), 90.0% DC         | WLAN      | 8.71     | +9.6                   |
| 10629 | AAD | VHT80, MCS5 (117.0 Mbps), 90.0% DC        | WLAN      | 8.85     | +9.6                   |
| 10630 | AAD | VHT80, MCS4 (175.5 Mbps), 90.0% DC        | WLAN      | 8.72     | +9.6                   |
| 10631 | AAD | VHT80, MCS5 (234.0 Mbps), 90.0% DC        | WLAN      | 8.81     | +9.6                   |
| 10632 | AAD | VHT80, MCS6 (263.3 Mbps), 90.0% DC        | WLAN      | 8.74     | +9.6                   |
| 10633 | AAD | VHT80, MCS7 (292.5 Mbps), 90.0% DC        | WLAN      | 8.83     | +9.6                   |
| 10634 | AAD | VHT80, MCS8 (351.0 Mbps), 90.0% DC        | WLAN      | 8.80     | +9.6                   |
| 10635 | AAD | VHT80, MCS9 (390.0 Mbps), 90.0% DC        | WLAN      | 8.81     | +9.6                   |
| 10636 | AAE | VHT160, MCS0 (58.5 Mbps), 90.0% DC        | WLAN      | 8.83     | +9.6                   |
| 10637 | AAE | VHT160, MCS1 (117.0 Mbps), 90.0% DC       | WLAN      | 8.79     | +9.6                   |
| 10638 | AAE | VHT160, MCS2 (175.5 Mbps), 90.0% DC       | WLAN      | 8.86     | +9.6                   |
| 10639 | AAE | VHT160, MCS3 (234.0 Mbps), 90.0% DC       | WLAN      | 8.85     | +9.6                   |
| 10640 | AAF | VHT160, MCS4 (351.0 Mbps), 90.0% DC       | WLAN      | 8.98     | +9.6                   |
| 10641 | AAE | VHT160, MCS5 (468.0 Mbps), 90.0% DC       | WLAN      | 9.06     | +9.6                   |
| 10642 | AAE | VHT160, MCS6 (526.5 Mbps), 90.0% DC       | WLAN      | 9.06     | +9.6                   |
| 10643 | AAE | VHT160, MCS7 (585.0 Mbps), 90.0% DC       | WLAN      | 8.89     | +9.6                   |
| 10644 | AAE | VHT160, MCS8 (702.0 Mbps), 90.0% DC       | WLAN      | 9.05     | +9.6                   |
| 10645 | AAF | VHT160, MCS9 (760.0 Mbps), 90.0% DC       | WLAN      | 9.11     | +9.6                   |
| 10646 | AAH | 5.0 MHz, QPSK, U/DL CFG: 2, SSC: 4, 1 RB  | LTE-TDD   | 11.96    | +9.6                   |
| 10647 | AAG | 20.0 MHz, QPSK, U/DL CFG: 2, SSC: 7, 1 RB | LTE-TDD   | 11.96    | +9.6                   |
| 10648 | AAA | RC8, SOT5, 1xAdvanced                     | CDVA2003  | 3.45     | +9.6                   |
| 10670 | AAA | LE, 1ear, G-SK                            | Bluetooth | 2.19     | +9.6                   |
| 10671 | AAC | ET20, MCS0 (8.6 Mbps), 90.0% DC           | WLAN      | 9.09     | +9.6                   |
| 10672 | AAC | ET20, MCS1 (17.0 Mbps), 90.0% DC          | WLAN      | 8.57     | +9.6                   |
| 10673 | AAC | ET20, MCS2 (26.0 Mbps), 90.0% DC          | WLAN      | 8.78     | +9.6                   |
| 10674 | AAC | ET20, MCS3 (34.0 Mbps), 90.0% DC          | WLAN      | 8.74     | +9.6                   |
| 10675 | AAC | ET20, MCS4 (52.0 Mbps), 90.0% DC          | WLAN      | 8.90     | +9.6                   |
| 10676 | AAC | ET20, MCS5 (69.0 Mbps), 90.0% DC          | WLAN      | 8.77     | +9.6                   |
| 10677 | AAC | ET20, MCS6 (77.0 Mbps), 90.0% DC          | WLAN      | 8.73     | +9.6                   |
| 10678 | AAC | ET20, MCS7 (86.0 Mbps), 90.0% DC          | WLAN      | 8.78     | +9.6                   |
| 10679 | AAC | ET20, MCS8 (103.0 Mbps), 90.0% DC         | WLAN      | 8.89     | +9.6                   |
| 10680 | AAC | ET20, MCS9 (115.0 Mbps), 90.0% DC         | WLAN      | 8.80     | +9.6                   |
| 10681 | AAC | ET20, MCS10 (122.0 Mbps), 90.0% DC        | WLAN      | 8.62     | +9.6                   |
| 10682 | AAC | ET20, MCS11 (135.0 Mbps), 90.0% DC        | WLAN      | 8.83     | +9.6                   |
| 10683 | AAC | ET20, MCS0 (8.6 Mbps), 100.0% DC          | WLAN      | 8.42     | +9.6                   |
| 10684 | AAC | ET20, MCS1 (17.0 Mbps), 100.0% DC         | WLAN      | 8.26     | +9.6                   |
| 10685 | AAC | ET20, MCS2 (26.0 Mbps), 100.0% DC         | WLAN      | 8.33     | +9.6                   |
| 10686 | AAC | ET20, MCS3 (34.0 Mbps), 100.0% DC         | WLAN      | 8.28     | +9.6                   |
| 10687 | AAC | ET20, MCS4 (52.0 Mbps), 100.0% DC         | WLAN      | 8.45     | +9.6                   |
| 10688 | AAC | ET20, MCS5 (69.0 Mbps), 100.0% DC         | WLAN      | 8.29     | +9.6                   |
| 10689 | AAC | ET20, MCS6 (77.0 Mbps), 100.0% DC         | WLAN      | 8.55     | +9.6                   |
| 10690 | AAC | ET20, MCS7 (86.0 Mbps), 100.0% DC         | WLAN      | 8.29     | +9.6                   |
| 10691 | AAC | ET20, MCS8 (103.0 Mbps), 100.0% DC        | WLAN      | 8.25     | +9.6                   |
| 10692 | AAC | ET20, MCS9 (115.0 Mbps), 100.0% DC        | WLAN      | 8.29     | +9.6                   |
| 10693 | AAC | ET20, MCS10 (122.0 Mbps), 100.0% DC       | WLAN      | 8.25     | +9.6                   |
| 10694 | AAC | ET20, MCS11 (135.0 Mbps), 100.0% DC       | WLAN      | 8.57     | +9.6                   |
| 10695 | AAC | ET40, MCS0 (17.2 Mbps), 89.8% DC          | WLAN      | 8.78     | +9.6                   |
| 10696 | AAC | ET40, MCS1 (34.0 Mbps), 89.8% DC          | WLAN      | 8.91     | +9.6                   |
| 10697 | AAC | ET40, MCS2 (52.0 Mbps), 89.7% DC          | WLAN      | 8.61     | +9.6                   |
| 10698 | AAC | ET40, MCS3 (69.0 Mbps), 89.7% DC          | WLAN      | 8.89     | +9.6                   |
| 10699 | AAC | ET40, MCS4 (103.0 Mbps), 89.9% DC         | WLAN      | 8.82     | +9.6                   |
| 10700 | AAC | ET40, MCS5 (138.0 Mbps), 89.8% DC         | WLAN      | 8.73     | +9.6                   |
| 10701 | AAC | ET40, MCS6 (155.0 Mbps), 89.8% DC         | WLAN      | 8.86     | +9.6                   |
| 10702 | AAC | ET40, MCS7 (172.0 Mbps), 89.8% DC         | WLAN      | 8.70     | +9.6                   |
| 10703 | AAC | ET40, MCS8 (207.0 Mbps), 89.8% DC         | WLAN      | 8.82     | +9.6                   |
| 10704 | AAC | ET40, MCS9 (229.0 Mbps), 89.8% DC         | WLAN      | 8.56     | +9.6                   |
| 10705 | AAC | ET40, MCS10 (258.0 Mbps), 89.8% DC        | WLAN      | 8.69     | +9.6                   |
| 10706 | AAC | ET40, MCS11 (287.0 Mbps), 89.8% DC        | WLAN      | 8.66     | +9.6                   |

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| UID   | Rev | Communication System Name                        | Group         | PAR (dB) | Unc <sup>F</sup> k = 2 |
|-------|-----|--------------------------------------------------|---------------|----------|------------------------|
| 10707 | AAC | ET40, MCS0 (17.2 Mbps), 99.8% DC                 | WLAN          | 8.32     | ±9.6                   |
| 10708 | AAC | ET40, MCS1 (34.0 Mbps), 99.7% DC                 | WLAN          | 8.55     | ±9.6                   |
| 10709 | AAC | ET40, MCS2 (52.0 Mbps), 99.7% DC                 | WLAN          | 8.33     | ±9.6                   |
| 10710 | AAC | ET40, MCS3 (69.0 Mbps), 99.7% DC                 | WLAN          | 8.29     | ±9.6                   |
| 10711 | AAC | ET40, MCS4 (103.0 Mbps), 99.8% DC                | WLAN          | 8.39     | ±9.6                   |
| 10712 | AAC | ET40, MCS5 (138.0 Mbps), 99.8% DC                | WLAN          | 8.57     | ±9.6                   |
| 10713 | AAC | ET40, MCS6 (155.0 Mbps), 99.8% DC                | WLAN          | 8.33     | ±9.6                   |
| 10714 | AAC | ET40, MCS7 (172.0 Mbps), 99.8% DC                | WLAN          | 8.26     | ±9.6                   |
| 10715 | AAC | ET40, MCS8 (207.0 Mbps), 99.9% DC                | WLAN          | 8.45     | ±9.6                   |
| 10716 | AAC | ET40, MCS9 (229.0 Mbps), 99.8% DC                | WLAN          | 8.30     | ±9.6                   |
| 10717 | AAC | ET40, MCS10 (258.0 Mbps), 99.8% DC               | WLAN          | 8.48     | ±9.6                   |
| 10718 | AAC | ET40, MCS11 (267.0 Mbps), 99.8% DC               | WLAN          | 8.24     | ±9.6                   |
| 10719 | AAC | ET80, MCS0 (36.0 Mbps), 90.0% DC                 | WLAN          | 8.81     | ±9.6                   |
| 10720 | AAC | ET80, MCS1 (72.1 Mbps), 90.0% DC                 | WLAN          | 8.87     | ±9.6                   |
| 10721 | AAC | ET80, MCS2 (108.1 Mbps), 90.0% DC                | WLAN          | 8.76     | ±9.6                   |
| 10722 | AAC | ET80, MCS3 (144.1 Mbps), 90.0% DC                | WLAN          | 8.55     | ±9.6                   |
| 10723 | AAC | ET80, MCS4 (216.2 Mbps), 90.0% DC                | WLAN          | 8.70     | ±9.6                   |
| 10724 | AAC | ET80, MCS5 (288.2 Mbps), 90.0% DC                | WLAN          | 8.90     | ±9.6                   |
| 10725 | AAC | ET80, MCS6 (324.4 Mbps), 90.0% DC                | WLAN          | 8.74     | ±9.6                   |
| 10726 | AAC | ET80, MCS7 (360.3 Mbps), 90.0% DC                | WLAN          | 8.72     | ±9.6                   |
| 10727 | AAC | ET80, MCS8 (432.4 Mbps), 90.0% DC                | WLAN          | 8.66     | ±9.6                   |
| 10728 | AAC | ET80, MCS9 (480.4 Mbps), 90.0% DC                | WLAN          | 8.85     | ±9.6                   |
| 10729 | AAC | ET80, MCS10 (540.4 Mbps), 90.0% DC               | WLAN          | 8.64     | ±9.6                   |
| 10730 | AAC | ET80, MCS11 (72.0 Mbps), 80.0% DC                | WLAN          | 8.67     | ±9.6                   |
| 10731 | AAC | ET80, MCS0 (36.0 Mbps), 100.0% DC                | WLAN          | 8.42     | ±9.6                   |
| 10732 | AAC | ET80, MCS1 (72.1 Mbps), 100.0% DC                | WLAN          | 8.46     | ±9.6                   |
| 10733 | AAC | ET80, MCS2 (108.1 Mbps), 100.0% DC               | WLAN          | 8.40     | ±9.6                   |
| 10734 | AAC | ET80, MCS3 (144.1 Mbps), 100.0% DC               | WLAN          | 8.25     | ±9.6                   |
| 10735 | AAC | ET80, MCS4 (216.2 Mbps), 100.0% DC               | WLAN          | 8.33     | ±9.6                   |
| 10736 | AAC | ET80, MCS5 (288.2 Mbps), 100.0% DC               | WLAN          | 8.27     | ±9.6                   |
| 10737 | AAC | ET80, MCS6 (324.4 Mbps), 100.0% DC               | WLAN          | 8.36     | ±9.6                   |
| 10738 | AAC | ET80, MCS7 (360.3 Mbps), 100.0% DC               | WLAN          | 8.42     | ±9.6                   |
| 10739 | AAC | ET80, MCS8 (432.4 Mbps), 100.0% DC               | WLAN          | 8.29     | ±9.6                   |
| 10740 | AAC | ET80, MCS9 (480.4 Mbps), 100.0% DC               | WLAN          | 8.48     | ±9.6                   |
| 10741 | AAC | ET80, MCS10 (540.4 Mbps), 100.0% DC              | WLAN          | 8.40     | ±9.6                   |
| 10742 | AAC | ET80, MCS11 (590.5 Mbps), 100.0% DC              | WLAN          | 8.43     | ±9.6                   |
| 10743 | AAC | ET160, MCS0 (72.0 Mbps), 88.2% DC                | WLAN          | 8.94     | ±9.6                   |
| 10744 | AAC | ET160, MCS1 (144.0 Mbps), 87.1% DC               | WLAN          | 9.16     | ±9.6                   |
| 10745 | AAC | ET160, MCS2 (216.0 Mbps), 87.4% DC               | WLAN          | 8.93     | ±9.6                   |
| 10746 | AAC | ET160, MCS3 (288.0 Mbps), 87.1% DC               | WLAN          | 9.11     | ±9.6                   |
| 10747 | AAC | ET160, MCS4 (432.0 Mbps), 87.4% DC               | WLAN          | 9.04     | ±9.6                   |
| 10748 | AAC | ET160, MCS5 (576.0 Mbps), 88.8% DC               | WLAN          | 8.93     | ±9.6                   |
| 10749 | AAC | ET160, MCS6 (648.0 Mbps), 88.7% DC               | WLAN          | 8.90     | ±9.6                   |
| 10750 | AAC | ET160, MCS7 (721.0 Mbps), 88.7% DC               | WLAN          | 8.79     | ±9.6                   |
| 10751 | AAC | ET160, MCS8 (865.0 Mbps), 88.3% DC               | WLAN          | 8.82     | ±9.6                   |
| 10752 | AAC | ET160, MCS9 (961.0 Mbps), 88.3% DC               | WLAN          | 8.81     | ±9.6                   |
| 10753 | AAC | ET160, MCS10 (1081.0 Mbps), 88.7% DC             | WLAN          | 9.00     | ±9.6                   |
| 10754 | AAC | ET160, MCS11 (1201.0 Mbps), 88.7% DC             | WLAN          | 8.94     | ±9.6                   |
| 10755 | AAC | ET160, MCS0 (72.0 Mbps), 98.0% DC                | WLAN          | 8.94     | ±9.6                   |
| 10756 | AAC | ET160, MCS1 (144.0 Mbps), 98.8% DC               | WLAN          | 8.77     | ±9.6                   |
| 10757 | AAC | ET160, MCS2 (216.0 Mbps), 97.1% DC               | WLAN          | 8.77     | ±9.6                   |
| 10758 | AAC | ET160, MCS3 (288.0 Mbps), 96.8% DC               | WLAN          | 8.69     | ±9.6                   |
| 10759 | AAC | ET160, MCS4 (432.0 Mbps), 97.1% DC               | WLAN          | 8.58     | ±9.6                   |
| 10760 | AAC | ET160, MCS5 (576.0 Mbps), 96.5% DC               | WLAN          | 8.49     | ±9.6                   |
| 10761 | AAC | ET160, MCS6 (648.0 Mbps), 96.3% DC               | WLAN          | 8.56     | ±9.6                   |
| 10762 | AAC | ET160, MCS7 (721.0 Mbps), 96.3% DC               | WLAN          | 8.49     | ±9.6                   |
| 10763 | AAC | ET160, MCS8 (865.0 Mbps), 95.9% DC               | WLAN          | 8.53     | ±9.6                   |
| 10764 | AAC | ET160, MCS9 (961.0 Mbps), 95.9% DC               | WLAN          | 8.54     | ±9.6                   |
| 10765 | AAC | ET160, MCS10 (1081.0 Mbps), 96.3% DC             | WLAN          | 8.51     | ±9.6                   |
| 10766 | AAC | ET160, MCS11 (1201.0 Mbps), 96.3% DC             | WLAN          | 8.51     | ±9.6                   |
| 10767 | AAG | CP-OFDM, 5.0 MHz, QPSK, 15 kHz, 99.9% DC, 1 RB   | 5G NR FR1 TDD | 7.99     | ±9.6                   |
| 10768 | AAG | CP-OFDM, 10.0 MHz, QPSK, 15 kHz, 100.0% DC, 1 RB | 5G NR FR1 TDD | 8.01     | ±9.6                   |
| 10769 | AAD | CP-OFDM, 15.0 MHz, QPSK, 15 kHz, 100.0% DC, 1 RB | 5G NR FR1 TDD | 8.01     | ±9.6                   |
| 10770 | AAG | CP-OFDM, 20.0 MHz, QPSK, 15 kHz, 100.0% DC, 1 RB | 5G NR FR1 TDD | 8.02     | ±9.6                   |
| 10771 | AAD | CP-OFDM, 25.0 MHz, QPSK, 15 kHz, 100.0% DC, 1 RB | 5G NR FR1 TDD | 8.02     | ±9.6                   |
| 10772 | AAG | CP-OFDM, 30.0 MHz, QPSK, 15 kHz, 100.0% DC, 1 RB | 5G NR FR1 TDD | 8.23     | ±9.6                   |

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April 22, 2026

| UID   | Rev | Communication System Name                            | Group         | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|------------------------------------------------------|---------------|----------|------------------------|
| 10773 | AAF | CP-OFDM, 40.0 MHz, QPSK, 15 kHz, 100.0% DC, 1 RB     | 5G NR FR1 TDD | 8.03     | ±9.6                   |
| 10774 | AAE | CP-OFDM, 50.0 MHz, QPSK, 15 kHz, 100.0% DC, 1 RB     | 5G NR FR1 TDD | 8.02     | ±9.6                   |
| 10775 | AAF | CP-OFDM, 5.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB    | 5G NR FR1 TDD | 8.31     | ±9.6                   |
| 10776 | AAE | CP-OFDM, 10.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB   | 5G NR FR1 TDD | 8.30     | ±9.6                   |
| 10777 | AAC | CP-OFDM, 15.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB   | 5G NR FR1 TDD | 8.30     | ±9.6                   |
| 10778 | AAE | CP-OFDM, 20.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB   | 5G NR FR1 TDD | 8.34     | ±9.6                   |
| 10779 | AAC | CP-OFDM, 25.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB   | 5G NR FR1 TDD | 8.42     | ±9.6                   |
| 10780 | AAE | CP-OFDM, 30.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB   | 5G NR FR1 TDD | 8.38     | ±9.6                   |
| 10781 | AAF | CP-OFDM, 40.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB   | 5G NR FR1 TDD | 8.38     | ±9.6                   |
| 10782 | AAE | CP-OFDM, 50.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB   | 5G NR FR1 TDD | 8.43     | ±9.6                   |
| 10783 | AAE | CP-OFDM, 5.3 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB   | 5G NR FR1 TDD | 8.31     | ±9.6                   |
| 10784 | AAE | CP-OFDM, 10.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB  | 5G NR FR1 TDD | 8.29     | ±9.6                   |
| 10785 | AAD | CP-OFDM, 15.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB  | 5G NR FR1 TDD | 8.40     | ±9.6                   |
| 10786 | AAE | CP-OFDM, 20.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB  | 5G NR FR1 TDD | 8.35     | ±9.6                   |
| 10787 | AAD | CP-OFDM, 25.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB  | 5G NR FR1 TDD | 8.44     | ±9.6                   |
| 10788 | AAE | CP-OFDM, 30.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB  | 5G NR FR1 TDD | 8.39     | ±9.6                   |
| 10789 | AAF | CP-OFDM, 40.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB  | 5G NR FR1 TDD | 8.37     | ±9.6                   |
| 10790 | AAE | CP-OFDM, 50.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB  | 5G NR FR1 TDD | 8.39     | ±9.6                   |
| 10791 | AAG | CP-OFDM, 5.0 MHz, QPSK, 30 kHz, 99.9% DC, 1 RB       | 5G NR FR1 TDD | 7.83     | ±9.6                   |
| 10792 | AAE | CP-OFDM, 10.0 MHz, QPSK, 30 kHz, 99.9% DC, 1 RB      | 5G NR FR1 TDD | 7.92     | ±9.6                   |
| 10793 | AAD | CP-OFDM, 15.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB     | 5G NR FR1 TDD | 7.95     | ±9.6                   |
| 10794 | AAE | CP-OFDM, 20.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB     | 5G NR FR1 TDD | 7.82     | ±9.6                   |
| 10795 | AAD | CP-OFDM, 25.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB     | 5G NR FR1 TDD | 7.84     | ±9.6                   |
| 10796 | AAE | CP-OFDM, 30.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB     | 5G NR FR1 TDD | 7.82     | ±9.6                   |
| 10797 | AAF | CP-OFDM, 40.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB     | 5G NR FR1 TDD | 8.01     | ±9.6                   |
| 10798 | AAE | CP-OFDM, 50.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB     | 5G NR FR1 TDD | 7.89     | ±9.6                   |
| 10799 | AAF | CP-OFDM, 60.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB     | 5G NR FR1 TDD | 7.93     | ±9.6                   |
| 10801 | AAF | CP-OFDM, 80.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB     | 5G NR FR1 TDD | 7.89     | ±9.6                   |
| 10802 | AAE | CP-OFDM, 90.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB     | 5G NR FR1 TDD | 7.87     | ±9.6                   |
| 10803 | AAF | CP-OFDM, 100.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB    | 5G NR FR1 TDD | 7.93     | ±9.6                   |
| 10805 | AAE | CP-OFDM, 10.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB   | 5G NR FR1 TDD | 8.34     | ±9.6                   |
| 10806 | AAD | CP-OFDM, 15.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB   | 5G NR FR1 TDD | 8.37     | ±9.6                   |
| 10809 | AAE | CP-OFDM, 30.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB   | 5G NR FR1 TDD | 8.34     | ±9.6                   |
| 10810 | AAF | CP-OFDM, 40.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB   | 5G NR FR1 TDD | 8.34     | ±9.6                   |
| 10812 | AAF | CP-OFDM, 60.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB   | 5G NR FR1 TDD | 8.35     | ±9.6                   |
| 10817 | AAG | CP-OFDM, 5.3 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB   | 5G NR FR1 TDD | 8.35     | ±9.6                   |
| 10818 | AAE | CP-OFDM, 10.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB  | 5G NR FR1 TDD | 8.34     | ±9.6                   |
| 10819 | AAD | CP-OFDM, 15.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB  | 5G NR FR1 TDD | 8.33     | ±9.6                   |
| 10820 | AAE | CP-OFDM, 20.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB  | 5G NR FR1 TDD | 8.30     | ±9.6                   |
| 10821 | AAE | CP-OFDM, 25.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB  | 5G NR FR1 TDD | 8.41     | ±9.6                   |
| 10822 | AAE | CP-OFDM, 30.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB  | 5G NR FR1 TDD | 8.41     | ±9.6                   |
| 10823 | AAF | CP-OFDM, 40.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB  | 5G NR FR1 TDD | 8.36     | ±9.6                   |
| 10824 | AAE | CP-OFDM, 50.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB  | 5G NR FR1 TDD | 8.39     | ±9.6                   |
| 10825 | AAF | CP-OFDM, 60.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB  | 5G NR FR1 TDD | 8.41     | ±9.6                   |
| 10827 | AAF | CP-OFDM, 80.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB  | 5G NR FR1 TDD | 8.42     | ±9.6                   |
| 10828 | AAE | CP-OFDM, 90.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB  | 5G NR FR1 TDD | 8.43     | ±9.6                   |
| 10829 | AAF | CP-OFDM, 100.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB | 5G NR FR1 TDD | 8.40     | ±9.6                   |
| 10830 | AAE | CP-OFDM, 10.0 MHz, QPSK, 60 kHz, 99.9% DC, 1 RB      | 5G NR FR1 TDD | 7.63     | ±9.6                   |
| 10831 | AAD | CP-OFDM, 15.0 MHz, QPSK, 60 kHz, 99.9% DC, 1 RB      | 5G NR FR1 TDD | 7.73     | ±9.6                   |
| 10832 | AAE | CP-OFDM, 20.0 MHz, QPSK, 60 kHz, 99.9% DC, 1 RB      | 5G NR FR1 TDD | 7.74     | ±9.6                   |
| 10833 | AAD | CP-OFDM, 25.0 MHz, QPSK, 60 kHz, 99.9% DC, 1 RB      | 5G NR FR1 TDD | 7.70     | ±9.6                   |
| 10834 | AAE | CP-OFDM, 30.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB     | 5G NR FR1 TDD | 7.75     | ±9.6                   |
| 10835 | AAF | CP-OFDM, 40.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB     | 5G NR FR1 TDD | 7.70     | ±9.6                   |
| 10836 | AAE | CP-OFDM, 50.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB     | 5G NR FR1 TDD | 7.66     | ±9.6                   |
| 10837 | AAF | CP-OFDM, 60.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB     | 5G NR FR1 TDD | 7.68     | ±9.6                   |
| 10839 | AAF | CP-OFDM, 80.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB     | 5G NR FR1 TDD | 7.70     | ±9.6                   |
| 10840 | AAF | CP-OFDM, 90.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB     | 5G NR FR1 TDD | 7.67     | ±9.6                   |
| 10841 | AAF | CP-OFDM, 100.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB    | 5G NR FR1 TDD | 7.71     | ±9.6                   |
| 10843 | AAD | CP-OFDM, 15.0 MHz, QPSK, 60 kHz, 100.0% DC, 50% RB   | 5G NR FR1 TDD | 8.49     | ±9.6                   |
| 10844 | AAE | CP-OFDM, 20.0 MHz, QPSK, 60 kHz, 100.0% DC, 50% RB   | 5G NR FR1 TDD | 8.34     | ±9.6                   |
| 10846 | AAE | CP-OFDM, 30.0 MHz, QPSK, 60 kHz, 100.0% DC, 50% RB   | 5G NR FR1 TDD | 8.41     | ±9.6                   |
| 10854 | AAE | CP-OFDM, 10.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB  | 5G NR FR1 TDD | 8.34     | ±9.6                   |
| 10855 | AAD | CP-OFDM, 15.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB  | 5G NR FR1 TDD | 8.36     | ±9.6                   |
| 10856 | AAE | CP-OFDM, 20.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB  | 5G NR FR1 TDD | 8.37     | ±9.6                   |
| 10857 | AAD | CP-OFDM, 25.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB  | 5G NR FR1 TDD | 8.35     | ±9.6                   |
| 10858 | AAE | CP-OFDM, 30.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB  | 5G NR FR1 TDD | 8.36     | ±9.6                   |

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| UID   | Rev | Communication System Name                                 | Group         | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|-----------------------------------------------------------|---------------|----------|------------------------|
| 10859 | AAF | CP-OFDM, 40.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB       | 5G NR FR1 TDD | 8.34     | ±9.6                   |
| 10860 | AAE | CP-OFDM, 50.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB       | 5G NR FR1 TDD | 8.41     | ±9.6                   |
| 10861 | AAF | CP-OFDM, 60.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB       | 5G NR FR1 TDD | 8.40     | ±9.6                   |
| 10863 | AAF | CP-OFDM, 80.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB       | 5G NR FR1 TDD | 8.41     | ±9.6                   |
| 10864 | AAE | CP-OFDM, 90.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB       | 5G NR FR1 TDD | 8.37     | ±9.6                   |
| 10865 | AAF | CP-OFDM, 100.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB      | 5G NR FR1 TDD | 8.41     | ±9.6                   |
| 10866 | AAF | DFT-s-OFDM, 100.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB      | 5G NR FR1 TDD | 5.68     | ±9.6                   |
| 10868 | AAF | DFT-s-OFDM, 100.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB   | 5G NR FR1 TDD | 5.89     | ±9.6                   |
| 10869 | AAE | DFT-s-OFDM, 100.0 MHz, QPSK, 120 kHz, 100.0% DC, 1 RB     | 5G NR FR2 TDD | 5.75     | ±9.6                   |
| 10870 | AAE | DFT-s-OFDM, 100.0 MHz, QPSK, 120 kHz, 100.0% DC, 100% RB  | 5G NR FR2 TDD | 5.86     | ±9.6                   |
| 10871 | AAE | DFT-s-OFDM, 100.0 MHz, 16QAM, 120 kHz, 100.0% DC, 1 RB    | 5G NR FR2 TDD | 5.75     | ±9.6                   |
| 10872 | AAE | DFT-s-OFDM, 100.0 MHz, 16QAM, 120 kHz, 100.0% DC, 100% RB | 5G NR FR2 TDD | 5.52     | ±9.6                   |
| 10873 | AAE | DFT-s-OFDM, 100.0 MHz, 64QAM, 120 kHz, 100.0% DC, 1 RB    | 5G NR FR2 TDD | 6.61     | ±9.6                   |
| 10874 | AAE | DFT-s-OFDM, 100.0 MHz, 64QAM, 120 kHz, 100.0% DC, 100% RB | 5G NR FR2 TDD | 6.65     | ±9.6                   |
| 10875 | AAE | CP-OFDM, 100.0 MHz, QPSK, 120 kHz, 100.0% DC, 1 RB        | 5G NR FR2 TDD | 7.78     | ±9.6                   |
| 10876 | AAE | CP-OFDM, 100.0 MHz, QPSK, 120 kHz, 100.0% DC, 100% RB     | 5G NR FR2 TDD | 8.39     | ±9.6                   |
| 10877 | AAE | CP-OFDM, 100.0 MHz, 16QAM, 120 kHz, 100.0% DC, 1 RB       | 5G NR FR2 TDD | 7.95     | ±9.6                   |
| 10878 | AAE | CP-OFDM, 100.0 MHz, 16QAM, 120 kHz, 100.0% DC, 100% RB    | 5G NR FR2 TDD | 8.41     | ±9.6                   |
| 10879 | AAE | CP-OFDM, 100.0 MHz, 64QAM, 120 kHz, 100.0% DC, 1 RB       | 5G NR FR2 TDD | 8.12     | ±9.6                   |
| 10880 | AAE | CP-OFDM, 100.0 MHz, 64QAM, 120 kHz, 100.0% DC, 100% RB    | 5G NR FR2 TDD | 8.38     | ±9.6                   |
| 10881 | AAF | DFT-s-OFDM, 50.0 MHz, QPSK, 120 kHz, 100.0% DC, 1 RB      | 5G NR FR2 TDD | 5.75     | ±9.6                   |
| 10882 | AAE | DFT-s-OFDM, 50.0 MHz, QPSK, 120 kHz, 100.0% DC, 100% RB   | 5G NR FR2 TDD | 5.96     | ±9.6                   |
| 10883 | AAE | DFT-s-OFDM, 50.0 MHz, 16QAM, 120 kHz, 100.0% DC, 1 RB     | 5G NR FR2 TDD | 6.57     | ±9.6                   |
| 10884 | AAE | DFT-s-OFDM, 50.0 MHz, 16QAM, 120 kHz, 100.0% DC, 100% RB  | 5G NR FR2 TDD | 8.53     | ±9.6                   |
| 10885 | AAE | DFT-s-OFDM, 50.0 MHz, 64QAM, 120 kHz, 100.0% DC, 1 RB     | 5G NR FR2 TDD | 6.61     | ±9.6                   |
| 10886 | AAE | DFT-s-OFDM, 50.0 MHz, 64QAM, 120 kHz, 100.0% DC, 100% RB  | 5G NR FR2 TDD | 6.65     | ±9.6                   |
| 10887 | AAE | CP-OFDM, 50.0 MHz, QPSK, 120 kHz, 99.9% DC, 1 RB          | 5G NR FR2 TDD | 7.78     | ±9.6                   |
| 10888 | AAE | CP-OFDM, 50.0 MHz, QPSK, 120 kHz, 100.0% DC, 100% RB      | 5G NR FR2 TDD | 8.35     | ±9.6                   |
| 10889 | AAE | CP-OFDM, 50.0 MHz, 16QAM, 120 kHz, 100.0% DC, 1 RB        | 5G NR FR2 TDD | 8.02     | ±9.6                   |
| 10890 | AAC | CP-OFDM, 50.0 MHz, 16QAM, 120 kHz, 100.0% DC, 100% RB     | 5G NR FR2 TDD | 8.40     | ±9.6                   |
| 10891 | AAE | CP-OFDM, 50.0 MHz, 64QAM, 120 kHz, 100.0% DC, 1 RB        | 5G NR FR2 TDD | 8.13     | ±9.6                   |
| 10892 | AAE | CP-OFDM, 50.0 MHz, 64QAM, 120 kHz, 100.0% DC, 100% RB     | 5G NR FR2 TDD | 8.41     | ±9.6                   |
| 10897 | AAE | DFT-s-OFDM, 5.0 MHz, QPSK, 30 kHz, 99.9% DC, 1 RB         | 5G NR FR1 TDD | 5.66     | ±9.6                   |
| 10898 | AAC | DFT-s-OFDM, 10.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB       | 5G NR FR1 TDD | 5.67     | ±9.6                   |
| 10899 | AAB | DFT-s-OFDM, 15.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB       | 5G NR FR1 TDD | 5.67     | ±9.6                   |
| 10900 | AAC | DFT-s-OFDM, 20.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB       | 5G NR FR1 TDD | 5.68     | ±9.6                   |
| 10901 | AAB | DFT-s-OFDM, 25.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB       | 5G NR FR1 TDD | 5.68     | ±9.6                   |
| 10902 | AAC | DFT-s-OFDM, 30.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB       | 5G NR FR1 TDD | 5.68     | ±9.6                   |
| 10903 | AAD | DFT-s-OFDM, 40.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB       | 5G NR FR1 TDD | 5.68     | ±9.6                   |
| 10904 | AAC | DFT-s-OFDM, 50.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB       | 5G NR FR1 TDD | 5.68     | ±9.6                   |
| 10905 | AAD | DFT-s-OFDM, 60.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB       | 5G NR FR1 TDD | 5.68     | ±9.6                   |
| 10906 | AAD | DFT-s-OFDM, 80.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB       | 5G NR FR1 TDD | 5.68     | ±9.6                   |
| 10907 | AAE | DFT-s-OFDM, 5.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB      | 5G NR FR1 TDD | 5.78     | ±9.6                   |
| 10908 | AAC | DFT-s-OFDM, 10.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB     | 5G NR FR1 TDD | 5.33     | ±9.6                   |
| 10909 | AAB | DFT-s-OFDM, 15.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB     | 5G NR FR1 TDD | 5.36     | ±9.6                   |
| 10910 | AAC | DFT-s-OFDM, 20.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB     | 5G NR FR1 TDD | 5.33     | ±9.6                   |
| 10911 | AAB | DFT-s-OFDM, 25.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB     | 5G NR FR1 TDD | 5.33     | ±9.6                   |
| 10912 | AAC | DFT-s-OFDM, 30.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB     | 5G NR FR1 TDD | 5.34     | ±9.6                   |
| 10913 | AAD | DFT-s-OFDM, 40.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB     | 5G NR FR1 TDD | 5.34     | ±9.6                   |
| 10914 | AAC | DFT-s-OFDM, 50.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB     | 5G NR FR1 TDD | 5.35     | ±9.6                   |
| 10915 | AAD | DFT-s-OFDM, 60.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB     | 5G NR FR1 TDD | 5.33     | ±9.6                   |
| 10916 | AAC | DFT-s-OFDM, 80.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB     | 5G NR FR1 TDD | 5.37     | ±9.6                   |
| 10917 | AAD | DFT-s-OFDM, 100.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB    | 5G NR FR1 TDD | 5.34     | ±9.6                   |
| 10918 | AAE | DFT-s-OFDM, 5.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB     | 5G NR FR1 TDD | 5.86     | ±9.6                   |
| 10919 | AAC | DFT-s-OFDM, 10.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB    | 5G NR FR1 TDD | 5.86     | ±9.6                   |
| 10920 | AAE | DFT-s-OFDM, 15.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB    | 5G NR FR1 TDD | 5.87     | ±9.6                   |
| 10921 | AAC | DFT-s-OFDM, 20.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB    | 5G NR FR1 TDD | 5.84     | ±9.6                   |
| 10922 | AAB | DFT-s-OFDM, 25.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB    | 5G NR FR1 TDD | 5.82     | ±9.6                   |
| 10923 | AAC | DFT-s-OFDM, 30.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB    | 5G NR FR1 TDD | 5.84     | ±9.6                   |
| 10924 | AAD | DFT-s-OFDM, 40.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB    | 5G NR FR1 TDD | 5.84     | ±9.6                   |
| 10925 | AAC | DFT-s-OFDM, 50.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB    | 5G NR FR1 TDD | 5.95     | ±9.6                   |
| 10926 | AAD | DFT-s-OFDM, 60.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB    | 5G NR FR1 TDD | 5.84     | ±9.6                   |
| 10927 | AAD | DFT-s-OFDM, 80.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB    | 5G NR FR1 TDD | 5.94     | ±9.6                   |
| 10928 | AAD | DFT-s-OFDM, 5.0 MHz, QPSK, 15 kHz, 1 RB                   | 5G NR FR1 FDD | 5.52     | ±9.6                   |
| 10929 | AAD | DFT-s-OFDM, 10.0 MHz, QPSK, 15 kHz, 1 RB                  | 5G NR FR1 FDD | 5.52     | ±9.6                   |
| 10930 | AAC | DFT-s-OFDM, 15.0 MHz, QPSK, 15 kHz, 1 RB                  | 5G NR FR1 FDD | 5.52     | ±9.6                   |

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| UID   | Rev | Communication System Name                   | Group         | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|---------------------------------------------|---------------|----------|------------------------|
| 10931 | AAC | DFT-s-OFDM, 20.0 MHz, QPSK, 15 kHz, 1 RB    | 5G NR FR1 FDD | 5.51     | ±9.6                   |
| 10932 | AAC | DFT-s-OFDM, 25.0 MHz, QPSK, 15 kHz, 1 RB    | 5G NR FR1 FDD | 5.51     | ±9.6                   |
| 10933 | AAC | DFT-s-OFDM, 30.0 MHz, QPSK, 15 kHz, 1 RB    | 5G NR FR1 FDD | 5.51     | ±9.6                   |
| 10934 | AAC | DFT-s-OFDM, 40.0 MHz, QPSK, 15 kHz, 1 RB    | 5G NR FR1 FDD | 5.51     | ±9.6                   |
| 10935 | AAC | DFT-s-OFDM, 50.0 MHz, QPSK, 15 kHz, 1 RB    | 5G NR FR1 FDD | 5.51     | ±9.6                   |
| 10936 | AAC | DFT-s-OFDM, 5.0 MHz, QPSK, 15 kHz, 50% RB   | 5G NR FR1 FDD | 5.90     | ±9.6                   |
| 10937 | AAC | DFT-s-OFDM, 10.0 MHz, QPSK, 15 kHz, 50% RB  | 5G NR FR1 FDD | 5.77     | ±9.6                   |
| 10938 | AAC | DFT-s-OFDM, 15.0 MHz, QPSK, 15 kHz, 50% RB  | 5G NR FR1 FDD | 5.90     | ±9.6                   |
| 10939 | AAC | DFT-s-OFDM, 20.0 MHz, QPSK, 15 kHz, 50% RB  | 5G NR FR1 FDD | 5.82     | ±9.6                   |
| 10940 | AAC | DFT-s-OFDM, 25.0 MHz, QPSK, 15 kHz, 50% RB  | 5G NR FR1 FDD | 5.89     | ±9.6                   |
| 10941 | AAC | DFT-s-OFDM, 30.0 MHz, QPSK, 15 kHz, 50% RB  | 5G NR FR1 FDD | 5.83     | ±9.6                   |
| 10942 | AAC | DFT-s-OFDM, 40.0 MHz, QPSK, 15 kHz, 50% RB  | 5G NR FR1 FDD | 5.85     | ±9.6                   |
| 10943 | AAC | DFT-s-OFDM, 50.0 MHz, QPSK, 15 kHz, 50% RB  | 5G NR FR1 FDD | 5.95     | ±9.6                   |
| 10944 | AAD | DFT-s-OFDM, 5.0 MHz, QPSK, 15 kHz, 100% RB  | 5G NR FR1 FDD | 5.81     | ±9.6                   |
| 10945 | AAD | DFT-s-OFDM, 10.0 MHz, QPSK, 15 kHz, 100% RB | 5G NR FR1 FDD | 5.85     | ±9.6                   |
| 10946 | AAC | DFT-s-OFDM, 15.0 MHz, QPSK, 15 kHz, 100% RB | 5G NR FR1 FDD | 5.83     | ±9.6                   |
| 10947 | AAC | DFT-s-OFDM, 20.0 MHz, QPSK, 15 kHz, 100% RB | 5G NR FR1 FDD | 5.87     | ±9.6                   |
| 10948 | AAC | DFT-s-OFDM, 25.0 MHz, QPSK, 15 kHz, 100% RB | 5G NR FR1 FDD | 5.94     | ±9.6                   |
| 10949 | AAC | DFT-s-OFDM, 30.0 MHz, QPSK, 15 kHz, 100% RB | 5G NR FR1 FDD | 5.87     | ±9.6                   |
| 10950 | AAC | DFT-s-OFDM, 40.0 MHz, QPSK, 15 kHz, 100% RB | 5G NR FR1 FDD | 5.94     | ±9.6                   |
| 10951 | AAD | DFT-s-OFDM, 50.0 MHz, QPSK, 15 kHz, 100% RB | 5G NR FR1 FDD | 5.92     | ±9.6                   |
| 10978 | AAA | BDR, 1.0 MHz, 76.7% DC                      | ULLA          | 1.16     | ±9.6                   |
| 10979 | AAA | HDR4, 2.0 MHz, 25.7% DC                     | ULLA          | 8.58     | ±9.6                   |
| 10980 | AAA | HDR8, 4.0 MHz, 16.5% DC                     | ULLA          | 10.32    | ±9.6                   |
| 10981 | AAA | HDRp4, 2.0 MHz, 89.0% DC                    | ULLA          | 3.19     | ±9.6                   |
| 10982 | AAA | HDRp8, 4.0 MHz, 90.3% DC                    | ULLA          | 3.43     | ±9.6                   |
| 11013 | AAB | EHT320, MCS1 (272.0 Mbps), 100.0% DC        | WLAN          | 8.47     | ±9.6                   |
| 11014 | AAB | EHT320, MCS2 (408.0 Mbps), 100.0% DC        | WLAN          | 8.45     | ±9.6                   |
| 11015 | AAB | EHT320, MCS3 (544.0 Mbps), 100.0% DC        | WLAN          | 8.44     | ±9.6                   |
| 11016 | AAB | EHT320, MCS4 (817.0 Mbps), 100.0% DC        | WLAN          | 8.44     | ±9.6                   |
| 11017 | AAB | EHT320, MCS5 (1089.0 Mbps), 100.0% DC       | WLAN          | 8.41     | ±9.6                   |
| 11018 | AAB | EHT320, MCS6 (1225.0 Mbps), 100.0% DC       | WLAN          | 8.40     | ±9.6                   |
| 11019 | AAB | EHT320, MCS7 (1361.0 Mbps), 100.0% DC       | WLAN          | 8.29     | ±9.6                   |
| 11020 | AAB | EHT320, MCS8 (1633.0 Mbps), 100.0% DC       | WLAN          | 8.27     | ±9.6                   |
| 11021 | AAB | EHT320, MCS9 (1815.0 Mbps), 100.0% DC       | WLAN          | 8.46     | ±9.6                   |
| 11022 | AAB | EHT320, MCS10 (2042.0 Mbps), 100.0% DC      | WLAN          | 8.36     | ±9.6                   |
| 11023 | AAB | EHT320, MCS11 (2269.0 Mbps), 100.0% DC      | WLAN          | 8.09     | ±9.6                   |
| 11024 | AAB | EHT320, MCS12 (2450.0 Mbps), 100.0% DC      | WLAN          | 8.42     | ±9.6                   |
| 11025 | AAB | EHT320, MCS13 (2722.0 Mbps), 100.0% DC      | WLAN          | 9.37     | ±9.6                   |
| 11026 | AAB | EHT320, MCS10 (136.0 Mbps), 100.0% DC       | 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.

## **APPENDIX D. CALIBRATION REPORT OF THE DIPOLE ANTENNA**

## Dipole Antenna 2.4 GHz(SN: 774)

**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

Client **Nemko**  
Gyeonggi-do, Republic of Korea

Certificate No. **D2450V2-774\_May26**

### CALIBRATION CERTIFICATE

Object **D2450V2 - SN: 774**

Calibration procedure(s) **QA CAL-05.v13**  
Calibration Procedure for SAR Validation Sources between 0.7 - 3 GHz

Calibration date **May 12, 2026**

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 ± 3)°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 NRP40T     | SN: 101861 | 22-Apr-26 (No. 2026-007003)            | Apr-27        |
| Power Sensor R&S NRP18AN    | SN: 100961 | 22-Aug-25 (No. 403CA315010971)         | Aug-26        |
| Spectrum Analyzer R&S FSV40 | SN: 101832 | 23-Jan-26 (No. 4030A315011865)         | Jan-27        |
| 3.5mm mismatch combination  | SN: 1152   | 24-Mar-26 (No. 2026-005594)            | Mar-27        |
| OCP DAK-12                  | SN: 1015   | 16-Sept-25 (No. OCP-DAK12-1015_Sep25)  | Sep-26        |
| OCP DAK-3.5                 | SN: 1249   | 16-Sept-25 (No. OCP-DAK3.5-1249_Sep25) | Sep-26        |
| Reference Probe EX3DV4      | SN: 7349   | 29-Jan-26 (No. EX3-7349_Jan26)         | Jan-27        |
| DAE4ip                      | SN: 1836   | 18-Feb-26 (No. DAE4ip-1836_Feb26)      | Feb-27        |

| 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-CAL15-S4588-250527)     | May-26          |
| Mismatch; SMA                | SN: 1102   | 24-Apr-26 (No. IHCK_L1102_Mismatch_Apr26)  | Apr-27          |
| OCP DAK-12                   | SN: 1029   | 24-Feb-26 (No. OCP-DAK12-1029_Feb26)       | Feb-27          |
| OCP DAK-3.5                  | SN: 1336   | 10-Dec-25 (No. OCP-DAK3.5-1336_Dec25)      | Dec-26          |

|                                                                                                                 | Name       | Function              | Signature                                                                            |
|-----------------------------------------------------------------------------------------------------------------|------------|-----------------------|--------------------------------------------------------------------------------------|
| Calibrated by                                                                                                   | Paulo Pina | Laboratory Technician |  |
| Approved by                                                                                                     | Sven Köhn  | Technical Manager     |  |
| Issued: May 13, 2026                                                                                            |            |                       |                                                                                      |
| This calibration certificate shall not be reproduced except in full without written approval of the laboratory. |            |                       |                                                                                      |

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### Calibration Laboratory of

Schmid & Partner  
Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland



S Schweizerischer Kalibrierdienst  
C Service suisse d'étalonnage  
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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%.

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### Measurement Conditions

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

|                              |                        |             |
|------------------------------|------------------------|-------------|
| DASY Version                 | DASY8 Module SAR       | 17.0.4      |
| Extrapolation                | Advanced Extrapolation |             |
| Phantom                      | Modular Flat Phantom   |             |
| Distance Dipole Center - TSL | 10 mm                  | with spacer |
| Frequency                    | 2450MHz $\pm$ 1MHz     |             |

### HSL parameters at 2450 MHz

The following parameters and calculations were applied.

|                                    | Temperature        | Permittivity  | Conductivity        |
|------------------------------------|--------------------|---------------|---------------------|
| Nominal HSL parameters             | 22.0 °C            | 39.2          | 1.80 mho/m          |
| Measured HSL parameters            | (22.0 $\pm$ 0.2)°C | 37.8 $\pm$ 6% | 1.86 mho/m $\pm$ 6% |
| HSL temperature change during test | < 0.5 °C           |               |                     |

### SAR result with HSL at 2450 MHz

| SAR averaged over 1 cm <sup>3</sup> (1 g) of HSL | Condition          |                             |
|--------------------------------------------------|--------------------|-----------------------------|
| SAR for nominal HSL parameters                   | 24 dBm input power | 13.3 W/kg                   |
| SAR for nominal HSL parameters                   | normalized to 1W   | 52.9 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 | 6.27 W/kg                   |
| SAR for nominal HSL parameters                     | normalized to 1W   | 25.0 W/kg $\pm$ 16.5% (k=2) |

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**Appendix (Additional assessments outside the scope of SCS 0108)****Antenna Parameters with HSL at 2450 MHz**

|             |                                    |
|-------------|------------------------------------|
| Impedance   | 54.1 $\Omega$ $\pm$ 2.9 j $\Omega$ |
| Return Loss | -26.4 dB                           |

**General Antenna Parameters and Design**

|                                  |          |
|----------------------------------|----------|
| Electrical Delay (one direction) | 1.152 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 |
|-----------------|-------|

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## System Performance Check Report

## Summary

| Dipole          | Frequency [MHz] | TSL | Power [dBm] |
|-----------------|-----------------|-----|-------------|
| D2450V2 - SN774 | 2450            | HS  | 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-- |            | 2450, 0                         | 7.34              | 1.86                   | 37.8             |

## Hardware Setup

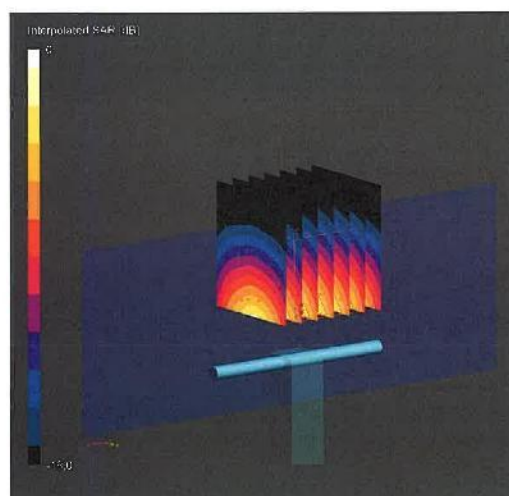
| Phantom         | TSL, Measured Date | Probe, Calibration Date     | DAC, Calibration Date     |
|-----------------|--------------------|-----------------------------|---------------------------|
| MFP VB.0 Center | HSL, 2025-05-12    | ESD094 - SN7349, 2026-01-29 | DAE4ip SN1836, 2026-02-18 |

## 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 + 5p        |
| Scan Method         | Measured        |

## Measurement Results

|                     | Zoom Scan           |
|---------------------|---------------------|
| Date                | 2026-05-12          |
| psSAR1g [W/Kg]      | 13.3                |
| psSAR10g [W/Kg]     | 8.27                |
| Power Drift [dB]    | 0.00                |
| Power Scaling       | Disabled            |
| Scaling Factor [dB] |                     |
| TSL Correction      | Positive / Negative |



0 dB = 27.5 W/Kg

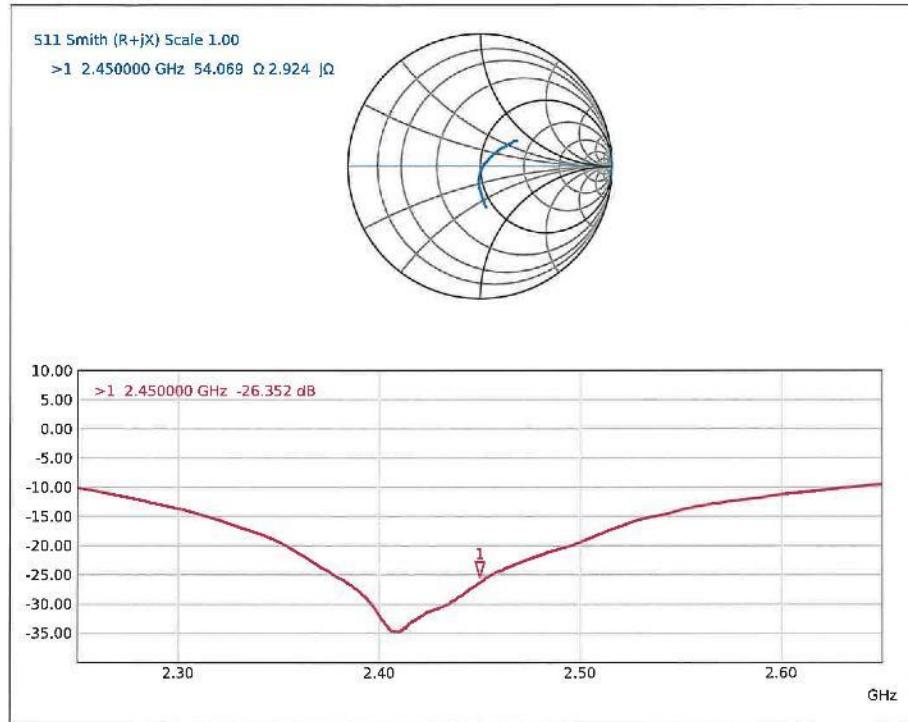
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Impedance Measurement Plot for HSL



**- END REPORT -**