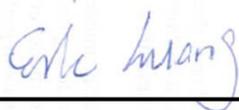


FCC SAR Test Report

APPLICANT : LG Electronics Mobile Comm USA
EQUIPMENT : Smart phone
BRAND NAME : LG
MODEL NAME : LG-X240ds
FCC ID : ZNFX240DS
STANDARD : FCC 47 CFR Part 2 (2.1093)
ANSI/IEEE C95.1-1992
IEEE 1528-2013

We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the procedures and had been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.



Reviewed by: Eric Huang / Manager



Approved by: Jones Tsai / Manager



SPORTON INTERNATIONAL INC.

No.52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Taoyuan City, Taiwan (R.O.C.)



Table of Contents

1. Statement of Compliance 4
2. Administration Data 4
3. Guidance Applied..... 5
4. Equipment Under Test (EUT) Information..... 5
 4.1 General Information 5
 4.2 Spot Check Evaluation..... 6
5. Antenna Location..... 9
6. Uncertainty Assessment10
7. References.....12
Appendix A. Reference Report
Appendix B. SAR Spot Check Data
Appendix C. SAR Test Setup Photos



1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for LG Electronics Mobile Comm USA, Smart phone, LG-X240ds, are as follows.

| Equipment Class | Frequency Band | Highest SAR Summary | | | Highest Simultaneous Transmission 1g SAR (W/kg) |
|-----------------|----------------|--------------------------|--------------------------------|------------------------------|--|
| | | Head (Separation 0mm) | Body-worn (Separation 15mm) | Hotspot (Separation 10mm) | |
| | | 1g SAR (W/kg) | | | |
| Licensed | GSM850 | 0.61 | 0.63 | 0.83 | 1.59 |
| | GSM1900 | 0.14 | 0.18 | 0.32 | |
| | WCDMA V | 0.46 | 0.54 | 0.64 | |
| | LTE Band 7 | 0.59 | 1.13 | 0.57 | |
| DTS | 2.4GHz WLAN | 0.98 | 0.05 | 0.12 | |

This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg) specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-1992, and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2013 and FCC KDB publications

2. Administration Data

| Testing Laboratory | |
|--------------------|--|
| Test Site | SPORTON INTERNATIONAL INC. |
| Test Site Location | No.52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978 |

| Applicant | |
|--------------|---|
| Company Name | LG Electronics Mobile Comm USA |
| Address | LG Twin Towers 20, Yeouido-Dong Youngdeungpo-Gu, Seoul 150-721, Republic Of Korea |

| Manufacturer | |
|--------------|--|
| Company Name | Arima Communications Corp. |
| Address | 6F,No.866,Jhongjheng Rd., Jhonghe Dist., New Taipei City 23586, Taiwan |



3. Guidance Applied

The Specific Absorption Rate (SAR) testing specification, method, and procedure for this device is in accordance with the following standards:

- FCC 47 CFR Part 2 (2.1093)
ANSI/IEEE C95.1-1992
IEEE 1528-2013
FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04
FCC KDB 865664 D02 SAR Reporting v01r02
FCC KDB 447498 D01 General RF Exposure Guidance v06
FCC KDB 648474 D04 SAR Evaluation Considerations for Wireless Handsets v01r03
FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02
FCC KDB 941225 D01 3G SAR Procedures v03r01
FCC KDB 941225 D05 SAR for LTE Devices v02r05
FCC KDB 941225 D06 Hotspot Mode SAR v02r01

4. Equipment Under Test (EUT) Information

4.1 General Information

Table with 2 columns: Feature Name, Specification. Rows include: Equipment Name (Smart phone), Brand Name (LG), Model Name (LG-X240ds), FCC ID (ZNFX240DS), Wireless Technology and Frequency Range (GSM850, GSM1900, WCDMA, LTE, WLAN, Bluetooth), Mode (GSM/GPRS/EGPRS, RMC/AMR, HSDPA, HSUPA, DC-HSDPA, LTE, 802.11b/g/n, Bluetooth), HW Version (DV), SW Version (LGX240dsAT-00-V08a-CIS-XX-NOV-17-2016+0), GSM / (E)GPRS Transfer mode (Class B), EUT Stage (Production Unit).

Remark:

- 1. The device has two SIM slots and supports Dual SIM Dual Standby. The WWAN radio transmission will be enabled by either one SIM at a time (Single active).
2. This device 2.4GHz WLAN supports Hotspot operation.
3. When hotspot mode is enabled, power reduction will be activated to limit the maximum power of LTE band 7.
4. In this report,
(a) GSM850/1900, UMTS B5 and LTE B7 test results are referred to LG-X240YK (FCC ID: ZNFX240YK), Sporton Report No: FA6D1013 or Appendix A-1/A-2, and spot checks were performed on LG-X240ds to ensure that the SAR measurements for both devices are the same.
(b) WLAN / BT SAR test results are referred to LG-X240H (FCC ID: ZNFX240H), Sporton Report No: FA6O1802 or Appendix A-3/A-4/A-5, and spot checks were performed on LG-X240ds to ensure that the SAR measurements for both devices are the same.



4.2 Spot Check Evaluation

1. Introduction Section

For WWAN :

This report referenced from the FCC ID: ZNFX240YK (GSM 850 / 1900, WCDMA Band 5 and LTE Band 7)

For WLAN/BT :

This report referenced from the FCC ID: ZNFX240H (DTS and DSS)

The applicant takes full responsibility that the test data as referenced in this report represent compliance for this FCC ID (FCC ID: ZNFX240DS).

2. Difference Section

For WWAN:

(FCC ID: ZNFX240DS, model: LG-X240ds) is a variant model of (FCC ID: ZNFX240YK, model: LG-X240YK) with removed LTE Band 5, and all the divergent bands have been properly tested to ensure compliance. The detailed comparison of (FCC ID: ZNFX240DS, model: LG-X240ds) and (FCC ID: ZNFX240YK, model: LG-X240YK) is included in the OpDes_Data Reuse.

For WLAN/BT:

The original model (FCC ID: ZNFX240H) and the variant model (FCC ID: ZNFX240DS) has identical PCB layout, antenna, SW implementation for Bluetooth/Wi-Fi. The details comparison can be found in the Produce Equality Declaration.

The product specification is outlined in the following table:

Table with 4 columns: FCC ID, Wireless Tech, Mode, and Frequency (MHz). Rows include GSM, UMTS, LTE (FDD), Wi-Fi, and Bluetooth specifications for models ZNFX240H, ZNFX240YK, and ZNFX240DS.



3. Spot Check Verification Data Section

<Head SAR>

| Band | Mode | Test Position | Gap (mm) | Ch. | Freq. (MHz) | Original Model(FCC ID: X240YK) | | | | Spot Check Mode(FCC ID: X240DS) | | | | Deviation |
|------------|-------------------|---------------|----------|-------|-------------|--------------------------------|---------------------|------------------------|------------------------|---------------------------------|---------------------|------------------------|------------------------|-----------|
| | | | | | | Average Power (dBm) | Tune-Up Limit (dBm) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) | Average Power (dBm) | Tune-Up Limit (dBm) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) | |
| GSM850 | GPRS (4 Tx slots) | Right Cheek | 0mm | 251 | 848.8 | 27.93 | 28.00 | 0.603 | 0.613 | 28.00 | 28.00 | 0.541 | 0.541 | -11.7% |
| GSM1900 | GPRS (4 Tx slots) | Left Cheek | 0mm | 810 | 1909.8 | 24.92 | 25.00 | 0.138 | 0.141 | 25.00 | 25.00 | 0.136 | 0.136 | -3.5% |
| WCDMA V | RMC 12.2Kbps | Right Cheek | 0mm | 4233 | 846.6 | 24.98 | 25.00 | 0.459 | 0.461 | 25.00 | 25.00 | 0.407 | 0.407 | -11.7% |
| LTE Band 7 | 20M_QPSK_1_0 | Left Cheek | 0mm | 20850 | 2510 | 23.24 | 23.30 | 0.579 | 0.587 | 23.18 | 23.30 | 0.458 | 0.471 | -19.8% |

| Band | Mode | Test Position | Gap (mm) | Ch. | Freq. (MHz) | Original Model (FCC ID: ZNFX240H) | | | | | Spot Check Mode(FCC ID: X240DS) | | | | | Deviation |
|------------|---------------|---------------|----------|-----|-------------|-----------------------------------|---------------------|--------------|------------------------|------------------------|---------------------------------|---------------------|--------------|------------------------|------------------------|-----------|
| | | | | | | Average Power (dBm) | Tune-Up Limit (dBm) | Duty Cycle % | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) | Average Power (dBm) | Tune-Up Limit (dBm) | Duty Cycle % | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) | |
| WLAN2.4GHz | 802.11b 1Mbps | Right Cheek | 0mm | 6 | 2437 | 16.97 | 17.00 | 100 | 0.970 | 0.977 | 16.97 | 17.00 | 100 | 0.936 | 0.942 | -3.6% |

<Hotspot SAR>

| Band | Mode | Test Position | Gap (mm) | Power Reduction | Ch. | Freq. (MHz) | Original Model(FCC ID: X240YK) | | | | Spot Check Mode(FCC ID: X240DS) | | | | Deviation |
|------------|-------------------|---------------|----------|-----------------|-------|-------------|--------------------------------|---------------------|------------------------|------------------------|---------------------------------|---------------------|------------------------|------------------------|-----------|
| | | | | | | | Average Power (dBm) | Tune-Up Limit (dBm) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) | Average Power (dBm) | Tune-Up Limit (dBm) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) | |
| GSM850 | GPRS (4 Tx slots) | Back | 10mm | OFF | 251 | 848.8 | 27.93 | 28.00 | 0.819 | 0.832 | 28.00 | 28.00 | 0.742 | 0.742 | -10.8% |
| GSM1900 | GPRS (4 Tx slots) | Front | 10mm | OFF | 810 | 1909.8 | 24.92 | 25.00 | 0.315 | 0.321 | 25.00 | 25.00 | 0.264 | 0.264 | -17.8% |
| WCDMA V | RMC 12.2Kbps | Back | 10mm | OFF | 4233 | 846.6 | 24.98 | 25.00 | 0.638 | 0.641 | 25.00 | 25.00 | 0.624 | 0.624 | -2.7% |
| LTE Band 7 | 20M_QPSK_50_0 | Back | 10mm | ON | 20850 | 2510 | 18.27 | 18.30 | 0.565 | 0.569 | 18.26 | 18.30 | 0.470 | 0.474 | -16.7% |

| Band | Mode | Test Position | Gap (mm) | Ch. | Freq. (MHz) | Original Model (FCC ID: ZNFX240H) | | | | | Spot Check Mode(FCC ID: X240DS) | | | | | Deviation |
|------------|---------------|---------------|----------|-----|-------------|-----------------------------------|---------------------|--------------|------------------------|------------------------|---------------------------------|---------------------|--------------|------------------------|------------------------|-----------|
| | | | | | | Average Power (dBm) | Tune-Up Limit (dBm) | Duty Cycle % | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) | Average Power (dBm) | Tune-Up Limit (dBm) | Duty Cycle % | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) | |
| WLAN2.4GHz | 802.11b 1Mbps | Front | 10mm | 6 | 2437 | 16.97 | 17.00 | 100 | 0.123 | 0.124 | 16.97 | 17.00 | 100 | 0.111 | 0.112 | -9.7% |

<Body-Worn SAR>

| Band | Mode | Test Position | Gap (mm) | Ch. | Freq. (MHz) | Original Model(FCC ID: X240YK) | | | | Spot Check Mode(FCC ID: X240DS) | | | | Deviation |
|------------|-------------------|---------------|----------|-------|-------------|--------------------------------|---------------------|------------------------|------------------------|---------------------------------|---------------------|------------------------|------------------------|-----------|
| | | | | | | Average Power (dBm) | Tune-Up Limit (dBm) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) | Average Power (dBm) | Tune-Up Limit (dBm) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) | |
| GSM850 | GPRS (4 Tx slots) | Back | 15mm | 251 | 848.8 | 27.93 | 28.00 | 0.619 | 0.629 | 28.00 | 28.00 | 0.546 | 0.546 | -13.2% |
| GSM1900 | GPRS (4 Tx slots) | Front | 15mm | 810 | 1909.8 | 24.92 | 25.00 | 0.177 | 0.180 | 25.00 | 25.00 | 0.148 | 0.148 | -17.8% |
| WCDMA V | RMC 12.2Kbps | Back | 15mm | 4233 | 846.6 | 24.98 | 25.00 | 0.540 | 0.542 | 25.00 | 25.00 | 0.527 | 0.527 | -2.8% |
| LTE Band 7 | 20M_QPSK_1_0 | Back | 15mm | 21350 | 2560 | 21.92 | 22.00 | 1.110 | 1.131 | 21.99 | 22.00 | 0.920 | 0.922 | -18.5% |

| Band | Mode | Test Position | Gap (mm) | Ch. | Freq. (MHz) | Original Model (FCC ID: ZNFX240H) | | | | | Spot Check Mode(FCC ID: X240DS) | | | | | Deviation |
|------------|---------------|---------------|----------|-----|-------------|-----------------------------------|---------------------|--------------|------------------------|------------------------|---------------------------------|---------------------|--------------|------------------------|------------------------|-----------|
| | | | | | | Average Power (dBm) | Tune-Up Limit (dBm) | Duty Cycle % | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) | Average Power (dBm) | Tune-Up Limit (dBm) | Duty Cycle % | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) | |
| WLAN2.4GHz | 802.11b 1Mbps | Back | 15mm | 6 | 2437 | 16.97 | 17.00 | 100 | 0.051 | 0.051 | 16.97 | 17.00 | 100 | 0.045 | 0.045 | -11.8% |

Note:

1. The spot check verification shows the WWAN SAR performance of X240YK represents the performance of X240DS.
2. The spot check verification shows the WLAN SAR performance of ZNFX240H represents the performance of X240DS.

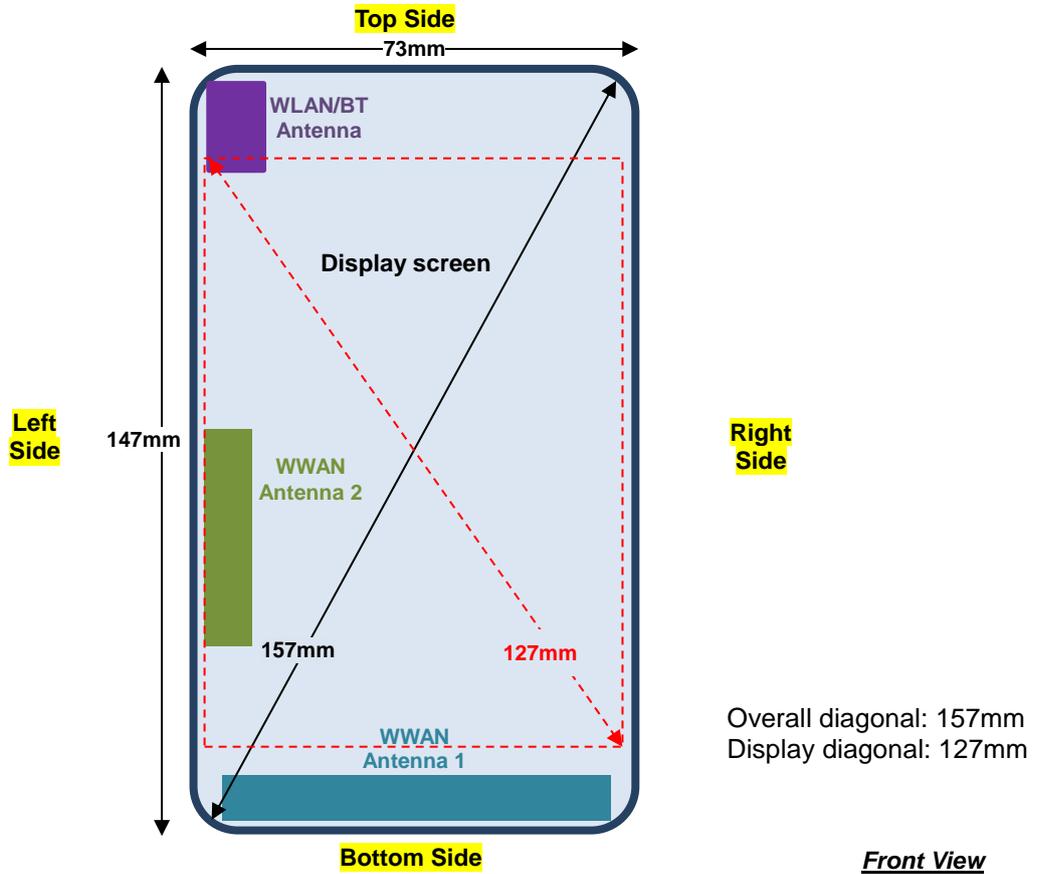


4. Reference detail Section

| Rule Part | Frequency Band (MHz) | Wireless Technology | Reference FCC ID | Reference Report Title | Reference Report No. | Reference Report Sections |
|-----------|----------------------|---------------------|------------------|------------------------|----------------------|---|
| 22 | 824.2 ~ 848.8 | GSM 850 | ZNFX240YK | FCC SAR Test Report | FA6D1013 | Sections related to GSM 850 test data |
| 24 | 1850.2 ~ 1909.8 | GSM 1900 | ZNFX240YK | FCC SAR Test Report | FA6D1013 | Sections related to GSM 1900 test data |
| 22 | 826.4 ~ 846.6 | WCDMA B5 | ZNFX240YK | FCC SAR Test Report | FA6D1013 | Sections related to WCDMA B5 test data |
| 27 | 2502.5 ~ 2567.5 | LTE B7 | ZNFX240YK | FCC SAR Test Report | FA6D1013 | Sections related to LTE B7 test data |
| 15C | 2402~2480 | Bluetooth | ZNFX240H | FCC SAR Test Report | FA6O1802 | Sections related to Bluetooth test data |
| 15C | 2412~2462 | Wi-Fi | ZNFX240H | FCC SAR Test Report | FA6O1802 | Sections related to WiFi test data |

5. Antenna Location

<Mobile Phone>



| WWAN Antenna | Support Band |
|----------------|--------------------------|
| WWAN Antenna 1 | GSM 850 / 1900, WCDMA B5 |
| WWAN Antenna 2 | LTE B7 |

| Distance of the Antenna to the EUT surface/edge | | | | | | |
|---|--------|--------|----------|-------------|------------|-----------|
| Antennas | Back | Front | Top Side | Bottom Side | Right Side | Left Side |
| WWAN Antenna 1 | ≤ 25mm | ≤ 25mm | 138 mm | ≤ 25mm | ≤ 25mm | ≤ 25mm |
| WWAN Antenna 2 | ≤ 25mm | ≤ 25mm | 75 mm | 35 mm | 66 mm | ≤ 25mm |
| BT / WLAN | ≤ 25mm | ≤ 25mm | ≤ 25mm | 130 mm | 64 mm | ≤ 25mm |

| Positions for SAR tests; Hotspot mode | | | | | | |
|---------------------------------------|------|-------|----------|-------------|------------|-----------|
| Antennas | Back | Front | Top Side | Bottom Side | Right Side | Left Side |
| WWAN Antenna 1 | Yes | Yes | No | Yes | Yes | Yes |
| WWAN Antenna 2 | Yes | Yes | No | No | No | Yes |
| BT / WLAN | Yes | Yes | Yes | No | No | Yes |

General Note:

- Referring to KDB 941225 D06 v02r01, when the overall device length and width are ≥ 9cm*5cm, the test distance is 10 mm. SAR must be measured for all sides and surfaces with a transmitting antenna located within 25mm from that surface or edge

6. Uncertainty Assessment

The component of uncertainty may generally be categorized according to the methods used to evaluate them. The evaluation of uncertainty by the statistical analysis of a series of observations is termed a Type A evaluation of uncertainty. The evaluation of uncertainty by means other than the statistical analysis of a series of observation is termed a Type B evaluation of uncertainty. Each component of uncertainty, however evaluated, is represented by an estimated standard deviation, termed standard uncertainty, which is determined by the positive square root of the estimated variance.

A Type A evaluation of standard uncertainty may be based on any valid statistical method for treating data. This includes calculating the standard deviation of the mean of a series of independent observations; using the method of least squares to fit a curve to the data in order to estimate the parameter of the curve and their standard deviations; or carrying out an analysis of variance in order to identify and quantify random effects in certain kinds of measurement.

A type B evaluation of standard uncertainty is typically based on scientific judgment using all of the relevant information available. These may include previous measurement data, experience, and knowledge of the behavior and properties of relevant materials and instruments, manufacture’s specification, data provided in calibration reports and uncertainties assigned to reference data taken from handbooks. Broadly speaking, the uncertainty is either obtained from an outdoor source or obtained from an assumed distribution, such as the normal distribution, rectangular or triangular distributions indicated in table below.

| Uncertainty Distributions | Normal | Rectangular | Triangular | U-Shape |
|------------------------------------|----------------------------|--------------------|-------------------|----------------|
| Multi-plying Factor ^(a) | 1/ κ ^(b) | 1/ $\sqrt{3}$ | 1/ $\sqrt{6}$ | 1/ $\sqrt{2}$ |

(a) standard uncertainty is determined as the product of the multiplying factor and the estimated range of variations in the measured quantity

(b) κ is the coverage factor

Table 6.1. Standard Uncertainty for Assumed Distribution

The combined standard uncertainty of the measurement result represents the estimated standard deviation of the result. It is obtained by combining the individual standard uncertainties of both Type A and Type B evaluation using the usual “root-sum-squares” (RSS) methods of combining standard deviations by taking the positive square root of the estimated variances.

Expanded uncertainty is a measure of uncertainty that defines an interval about the measurement result within which the measured value is confidently believed to lie. It is obtained by multiplying the combined standard uncertainty by a coverage factor. Typically, the coverage factor ranges from 2 to 3. Using a coverage factor allows the true value of a measured quantity to be specified with a defined probability within the specified uncertainty range. For purpose of this document, a coverage factor two is used, which corresponds to confidence interval of about 95 %. The DASY uncertainty Budget is shown in the following tables.



| Error Description | Uncertainty Value (±%) | Probability | Divisor | (Ci) 1g | (Ci) 10g | Standard Uncertainty (1g) (±%) | Standard Uncertainty (10g) (±%) |
|-----------------------------------|------------------------|-------------|---------|---------|----------|--------------------------------|---------------------------------|
| Measurement System | | | | | | | |
| Probe Calibration | 6.00 | N | 1 | 1 | 1 | 6.0 | 6.0 |
| Axial Isotropy | 4.70 | R | 1.732 | 0.7 | 0.7 | 1.9 | 1.9 |
| Hemispherical Isotropy | 9.60 | R | 1.732 | 0.7 | 0.7 | 3.9 | 3.9 |
| Boundary Effects | 1.00 | R | 1.732 | 1 | 1 | 0.6 | 0.6 |
| Linearity | 4.70 | R | 1.732 | 1 | 1 | 2.7 | 2.7 |
| System Detection Limits | 1.00 | R | 1.732 | 1 | 1 | 0.6 | 0.6 |
| Modulation Response | 4.68 | R | 1.732 | 1 | 1 | 2.7 | 2.7 |
| Readout Electronics | 0.30 | N | 1 | 1 | 1 | 0.3 | 0.3 |
| Response Time | 0.00 | R | 1.732 | 1 | 1 | 0.0 | 0.0 |
| Integration Time | 2.60 | R | 1.732 | 1 | 1 | 1.5 | 1.5 |
| RF Ambient Noise | 3.00 | R | 1.732 | 1 | 1 | 1.7 | 1.7 |
| RF Ambient Reflections | 3.00 | R | 1.732 | 1 | 1 | 1.7 | 1.7 |
| Probe Positioner | 0.40 | R | 1.732 | 1 | 1 | 0.2 | 0.2 |
| Probe Positioning | 2.90 | R | 1.732 | 1 | 1 | 1.7 | 1.7 |
| Max. SAR Eval. | 2.00 | R | 1.732 | 1 | 1 | 1.2 | 1.2 |
| Test Sample Related | | | | | | | |
| Device Positioning | 3.03 | N | 1 | 1 | 1 | 3.0 | 3.0 |
| Device Holder | 3.60 | N | 1 | 1 | 1 | 3.6 | 3.6 |
| Power Drift | 5.00 | R | 1.732 | 1 | 1 | 2.9 | 2.9 |
| Power Scaling | 0.00 | R | 1.732 | 1 | 1 | 0.0 | 0.0 |
| Phantom and Setup | | | | | | | |
| Phantom Uncertainty | 6.10 | R | 1.732 | 1 | 1 | 3.5 | 3.5 |
| SAR correction | 0.00 | R | 1.732 | 1 | 0.84 | 0.0 | 0.0 |
| Liquid Conductivity Repeatability | 0.03 | N | 1 | 0.78 | 0.71 | 0.0 | 0.0 |
| Liquid Conductivity (target) | 5.00 | R | 1.732 | 0.78 | 0.71 | 2.3 | 2.0 |
| Liquid Conductivity (mea.) | 2.50 | R | 1.732 | 0.78 | 0.71 | 1.1 | 1.0 |
| Temp. unc. - Conductivity | 3.68 | R | 1.732 | 0.78 | 0.71 | 1.7 | 1.5 |
| Liquid Permittivity Repeatability | 0.02 | N | 1 | 0.23 | 0.26 | 0.0 | 0.0 |
| Liquid Permittivity (target) | 5.00 | R | 1.732 | 0.23 | 0.26 | 0.7 | 0.8 |
| Liquid Permittivity (mea.) | 2.50 | R | 1.732 | 0.23 | 0.26 | 0.3 | 0.4 |
| Temp. unc. - Permittivity | 0.84 | R | 1.732 | 0.23 | 0.26 | 0.1 | 0.1 |
| Combined Std. Uncertainty | | | | | | 11.6% | 11.6% |
| Coverage Factor for 95 % | | | | | | K=2 | K=2 |
| Expanded STD Uncertainty | | | | | | 23.2% | 23.1% |

Table 6.2. Uncertainty Budget for frequency range 300 MHz to 3 GHz



7. References

- [1] FCC 47 CFR Part 2 "Frequency Allocations and Radio Treaty Matters; General Rules and Regulations"
- [2] ANSI/IEEE Std. C95.1-1992, "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz", September 1992
- [3] IEEE Std. 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", Sep 2013
- [4] SPEAG DASY System Handbook
- [5] FCC KDB 248227 D01 v02r02, "SAR Guidance for IEEE 802.11 (WiFi) Transmitters", Oct 2015.
- [6] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015
- [7] FCC KDB 648474 D04 v01r03, "SAR Evaluation Considerations for Wireless Handsets", Oct 2015.
- [8] FCC KDB 941225 D01 v03r01, "3G SAR MEAUREMENT PROCEDURES", Oct 2015
- [9] FCC KDB 941225 D05 v02r05, "SAR Evaluation Considerations for LTE Devices", Dec 2015
- [10] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.
- [11] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [12] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.