

# Exposure Calculation Report

Apple Inc  
Model: A2686

In accordance with FCC CFR 47 Pt 2.1091

Prepared for: Apple Inc  
One Apple Park Way  
Cupertino, California  
95014, USA

**COMMERCIAL-IN-CONFIDENCE**

FCC ID: BCGA2686

Document 75954423-21 Issue: 01



**Add value.  
Inspire trust.**

## SIGNATURE

A handwritten signature in blue ink, appearing to read 'Matthew Russell', is written over a white background.

| NAME            | JOB TITLE           | RESPONSIBLE FOR      | ISSUE DATE       |
|-----------------|---------------------|----------------------|------------------|
| Matthew Russell | Chief Engineer (RF) | Authorised Signatory | 13 December 2022 |

Signatures in this approval box have checked this document in line with the requirements of TÜV SÜD document control rules.

## EXECUTIVE SUMMARY

The calculation of exposure for this product was found to be compliant at a minimum distance of 20 cm with FCC CFR 47 Pt.2.1091 assuming continuous exposure of 6 minutes or more. If alternative antennas are used with greater gains, the distance must be recalculated.

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# 1 Report Summary

## 1.1 Report Modification Record

Alterations and additions to this report will be issued to the holders of each copy in the form of a complete document.

| Issue | Description of Change | Date of Issue    |
|-------|-----------------------|------------------|
| 1     | First Issue           | 13-December-2022 |

**Table 1**

## 1.2 Introduction

|                          |                                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Applicant                | Apple Inc                                                                                                                                    |
| Manufacturer             | Apple Inc                                                                                                                                    |
| Model Number(s)          | A2686                                                                                                                                        |
| Hardware Version(s)      | REV 1.0                                                                                                                                      |
| Software Version(s)      | N/A                                                                                                                                          |
| Specification/Issue/Date | <ul style="list-style-type: none"><li>FCC 47 CFR Part 2.1091: 2021</li></ul>                                                                 |
| Order Number             | 540246998                                                                                                                                    |
| Date                     | 01-July-2022                                                                                                                                 |
| Related Document(s)      | <ul style="list-style-type: none"><li>KDB 447498 D04 v01</li><li>FCC 47 CFR Part 1.1307: 2021</li><li>FCC 47 CFR Part 1.1310: 2021</li></ul> |



### **1.3 Brief Summary of Results**

The wireless device described within this report was compliant with the restrictions related to human exposure to electromagnetic fields for both general public and worker/occupational exposures for a separation distance of 20 cm.

The calculations shown in this report were made in accordance with the procedures specified in the applied test specification(s).



## 1.4 Product Information

### 1.4.1 Technical Description

The equipment under test was an Apple desktop computer with Bluetooth® and IEEE 802.11 a/b/g/n/ac/ax Wi-Fi in the 2.4 GHz, 5 GHz and 6 GHz bands.

### 1.4.2 Transmitter Description

The following radio access technologies and frequency bands are supported by the equipment under test.

| Radio Access Technology | Core    | Frequency Band (MHz) | Minimum Frequency (MHz) | Output Power (dBm) | Duty Cycle (%) |
|-------------------------|---------|----------------------|-------------------------|--------------------|----------------|
| Bluetooth (SISO)        | 0       | 2400-2483.5          | 2402                    | 16.5               | 77             |
| Bluetooth (SISO)        | 1       | 2400-2483.5          | 2402                    | 16.5               | 77             |
| Bluetooth (SISO)        | 2       | 2400-2483.5          | 2402                    | 16.5               | 77             |
| Bluetooth (TxBF)        | 0 and 1 | 2400-2483.5          | 2402                    | 16.5               | 77             |
| 2.4 GHz WLAN (SISO)     | 0       | 2400-2483.5          | 2412                    | 22.50              | 100            |
| 2.4 GHz WLAN (SISO)     | 1       | 2400-2483.5          | 2412                    | 22.50              | 100            |
| 2.4 GHz WLAN (2x2 MIMO) | 0 and 1 | 2400-2483.5          | 2412                    | 22.50              | 100            |
| 5 GHz WLAN (SISO)       | 0       | 5150 - 5850          | 5180                    | 21.00              | 100            |
| 5 GHz WLAN (SISO)       | 1       | 5150 - 5850          | 5180                    | 21.00              | 100            |
| 5 GHz WLAN (2x2 MIMO)   | 0 and 1 | 5150 - 5850          | 5180                    | 21.00              | 100            |
| 6 GHz WLAN (SISO)       | 0       | 5925 - 7125          | 5935                    | 12.75              | 100            |
| 6 GHz WLAN (SISO)       | 1       | 5925 - 7125          | 5935                    | 12.75              | 100            |
| 6 GHz WLAN (2x2 MIMO)   | 0 and 1 | 5925 - 7125          | 5935                    | 12.75              | 100            |
| NB                      | 0       | 5162 - 5844          | 5162                    | 15.00              | 77             |
| NB                      | 1       | 5162 - 5844          | 5162                    | 15.00              | 77             |

**Table 2 – Transmitter Description- FCC**

Note: Transmitter power includes upper bounds of uncertainty therefore maximum values are used.



### 1.4.3 Antenna Description

The following antennas are supported by the equipment under test.

| Radio Access Technology | Antenna Model | Gain (dBi) | Antenna length (cm) | Minimum Separation Distance (cm) |
|-------------------------|---------------|------------|---------------------|----------------------------------|
| BT Core 0               | Not Specified | 2.58       | 4.00                | 20                               |
| BT Core 1               | Not Specified | 6.24       | 5.07                | 20                               |
| BT Core 2               | Not Specified | 2.05       | 3.20                | 20                               |
| 2.4 GHz WLAN Core 0     | Not Specified | 2.58       | 4.00                | 20                               |
| 2.4 GHz WLAN Core 1     | Not Specified | 6.24       | 5.07                | 20                               |
| 5 GHz WLAN Core 0       | Not Specified | 0.88       | 4.00                | 20                               |
| 5 GHz WLAN Core 1       | Not Specified | 6.66       | 5.07                | 20                               |
| 6 GHz WLAN Core 0       | Not Specified | 0.74       | 4.00                | 20                               |
| 6 GHz WLAN Core 1       | Not Specified | 6.52       | 5.07                | 20                               |
| NB Core 0               | Not Specified | 0.88       | 4.00                | 20                               |
| NB Core 1               | Not Specified | 6.66       | 5.07                | 20                               |

**Table 3 – Antenna description**

In the case of more than one type of antenna being supported by the equipment, the calculation is based on the maximum of the antenna gains. If other antennas can be used that have greater gains, the minimum separation distances will need to be recalculated.

Note: Antenna gain includes upper bounds of uncertainty therefore maximum values are used.

### 1.4.4 Equipment Configuration

Simultaneous transmission for the following configurations;

**Combination 1** - 5 GHz WLAN (2x2 MIMO on Core 0 & 1) + Bluetooth (2x2 MIMO on Core 0 & 1)

**Combination 2** - 6 GHz WLAN (2x2 MIMO on Core 0 & 1) + Bluetooth (2x2 MIMO on Core 0 & 1)

**Combination 3** – 2.4 GHz WLAN (Core 1) + NB (Core 0)

Notes:

MIMO operation was confirmed as worst case compared to single antenna SISO operation.

2.4 GHz WLAN (Core 1) + NB (Core 0) was confirmed as worst case compared to 2.4 GHz WLAN (Core 0) + NB (Core 1)



## 2 Maximum Permissible Exposure

### 2.1 FCC CFR 47 Pt.1.1310 Worker/Occupational Limits

| Frequency Range (MHz) | Power Density (mW/cm <sup>2</sup> )<br>Note 1 | Electric Field Strength<br>(V/m) | Magnetic Field Strength<br>(A/m) |
|-----------------------|-----------------------------------------------|----------------------------------|----------------------------------|
| 0 - 0.3               | -                                             | -                                | -                                |
| 0.3 - 3               | 100                                           | 614                              | 1.63                             |
| 3 - 30                | $900/f^2$                                     | $1842/f$                         | $4.89/f$                         |
| 30 - 300              | 1                                             | 61.4                             | 0.163                            |
| 300 - 1500            | $f/300$                                       | -                                | -                                |
| 1500 - 100000         | 5                                             | -                                | -                                |

### 2.2 FCC CFR 47 Pt.1.1310 General Public Limits

| Frequency Range (MHz) | Power Density (mW/cm <sup>2</sup> )<br>Note 1 | Electric Field Strength<br>(V/m) | Magnetic Field Strength<br>(A/m) |
|-----------------------|-----------------------------------------------|----------------------------------|----------------------------------|
| 0 - 0.3               | -                                             | -                                | -                                |
| 0.3 - 3               | 100                                           | 614                              | 1.63                             |
| 3 - 30                | $180/f^2$                                     | $824/f$                          | $2.19/f$                         |
| 30 - 300              | 0.2                                           | 27.5                             | 0.073                            |
| 300 - 1500            | $f/1500$                                      | -                                | -                                |
| 1500 - 100000         | 1                                             | -                                | -                                |



### 3 Assessment Details

#### 3.1 Single RF Source options for determination of exemption.

| Option                     | Reference                 | RF Exposure Test Exemptions for Single Source                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           |                       |                |           |               |              |              |          |                 |             |                     |         |
|----------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------|----------------|-----------|---------------|--------------|--------------|----------|-----------------|-------------|---------------------|---------|
| A<br>(1-mW Test Exemption) | FCC<br>1.1307(b)(3)(i)(A) | The available maximum time averaged power is no more than 1 mW, regardless of separation distance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                           |                       |                |           |               |              |              |          |                 |             |                     |         |
| B<br>(SAR-Based Exemption) | FCC<br>1.1307(b)(3)(i)(B) | <p>The available maximum timeaveraged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold Pth (mW) described in the following formula. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive). Pth is given by:</p> $P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}}(d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$ <p>Where</p> $x = -\log_{10} \left( \frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right) \text{ and } f \text{ is in GHz;}$ <p>and</p> $ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases}$ <p>d = the separation distance (cm);</p>                                                                                                                                                                                                                                                                                |                           |                       |                |           |               |              |              |          |                 |             |                     |         |
| C<br>(MPE-Based Exemption) | FCC<br>1.1307(b)(3)(i)(C) | <p>Or using Table 1 and the minimum separation distance (R in meters) from the body of a nearby person for the frequency (f in MHz) at which the source operates, the ERP (watts) is no more than the calculated value prescribed for that frequency. For the exemption in Table 1 to apply, R must be at least λ/2π, where λ is the free-space operating wavelength in meters. If the ERP of a single RF source is not easily obtained, then the available maximum time-averaged power may be used in lieu of ERP if the physical dimensions of the radiating structure(s) do not exceed the electrical length of λ/4 or if the antenna gain is less than that of a half-wave dipole (1.64 linear value).</p> <p><b>TABLE 1 TO § 1.1307(b)(3)(i)(C)—SINGLE RF SOURCES SUBJECT TO ROUTINE ENVIRONMENTAL EVALUATION</b></p> <table><tr><th>RF Source frequency (MHz)</th><th>Threshold ERP (watts)</th></tr><tr><td>0.3–1.34 .....</td><td>1,920 R².</td></tr><tr><td>1.34–30 .....</td><td>3,450 R²/f².</td></tr><tr><td>30–300 .....</td><td>3.83 R².</td></tr><tr><td>300–1,500 .....</td><td>0.0128 R²f.</td></tr><tr><td>1,500–100,000 .....</td><td>19.2R².</td></tr></table> | RF Source frequency (MHz) | Threshold ERP (watts) | 0.3–1.34 ..... | 1,920 R². | 1.34–30 ..... | 3,450 R²/f². | 30–300 ..... | 3.83 R². | 300–1,500 ..... | 0.0128 R²f. | 1,500–100,000 ..... | 19.2R². |
| RF Source frequency (MHz)  | Threshold ERP (watts)     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                           |                       |                |           |               |              |              |          |                 |             |                     |         |
| 0.3–1.34 .....             | 1,920 R².                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                           |                       |                |           |               |              |              |          |                 |             |                     |         |
| 1.34–30 .....              | 3,450 R²/f².              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                           |                       |                |           |               |              |              |          |                 |             |                     |         |
| 30–300 .....               | 3.83 R².                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                           |                       |                |           |               |              |              |          |                 |             |                     |         |
| 300–1,500 .....            | 0.0128 R²f.               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                           |                       |                |           |               |              |              |          |                 |             |                     |         |
| 1,500–100,000 .....        | 19.2R².                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                           |                       |                |           |               |              |              |          |                 |             |                     |         |





### 3.2 Multiple RF Sources options for determination of exemption.

| Option                                                                                              | Reference                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A<br>1-mW Test<br>Exemption for<br>Multiple<br>Sources                                              | FCC<br>1.1307(b)(3)(ii)(A) | The available maximum time averaged power of each source is no more than 1 mW and there is a separation distance of two centimeters between any portion of a radiating structure operating and the nearest portion of any other radiating structure in the same device, except if the sum of multiple sources is less than 1 mW during the time-averaging period, in which case they may be treated as a single source (separation is not required). This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(i)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(i)(A). |
| B<br>Simultaneous<br>Transmission<br>with both<br>SAR-based<br>and MPE-<br>Based Test<br>Exemptions | FCC<br>1.1307(b)(3)(ii)(B) | <p>in the case of fixed RF sources operating in the same time-averaging period, or of multiple mobile or portable RF sources within a device operating in the same time averaging period, if the sum of the fractional contributions to the applicable thresholds is less than or equal to 1 as indicated in the following equation.</p> $\sum_{i=1}^a \frac{P_i}{P_{th,i}} + \sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^c \frac{Evaluated_k}{Exposure Limit_k} \leq 1$                                                                                                                                                                                                      |



### 3.3 Individual Antenna Port Exposure Results

#### 3.3.1 Calculation of Exposure at Specified Separation Distance

The frequencies shown in the tables below have been chosen based on the lowest possible frequency that the EUT can transmit. A full list of the regional requirements is shown in Annex A.

| RAT          | Core | Frequency (MHz) | Conducted Power Output mW | Duty Cycle % | Time Average Conducted Power Output mW | Antenna Gain Ratio | Maximum Power (EIRP) mW | Maximum Power (ERP) mW | Test Separation Distance (mm) | Power Density (mW/cm <sup>2</sup> ) | Power Density Limit (mW/cm <sup>2</sup> ) | Mobile devices: 2.1091(C)(1) & 1.1307(b)(1)(i)(B) ERP20cm Exemption (Yes/No)** (300 MHz to 6 GHz, 20 cm to 40 cm) |
|--------------|------|-----------------|---------------------------|--------------|----------------------------------------|--------------------|-------------------------|------------------------|-------------------------------|-------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Bluetooth    | 0    | 2402.0          | 44.67                     | 77           | 34.39                                  | 1.811              | 62.30                   | 37.99                  | 200                           | 0.007557302                         | 1                                         | Yes                                                                                                               |
| Bluetooth    | 1    | 2402.0          | 44.67                     | 77           | 34.39                                  | 4.207              | 144.71                  | 88.24                  | 200                           | 0.017553624                         | 1                                         | Yes                                                                                                               |
| Bluetooth    | 2    | 2402.0          | 44.67                     | 77           | 34.39                                  | 1.603              | 55.14                   | 33.62                  | 200                           | 0.006689086                         | 1                                         | Yes                                                                                                               |
| 2.4 GHz WLAN | 0    | 2412.0          | 177.83                    | 100          | 177.83                                 | 1.811              | 322.11                  | 196.41                 | 200                           | 0.039072938                         | 1                                         | Yes                                                                                                               |
| 2.4 GHz WLAN | 1    | 2412.0          | 177.83                    | 100          | 177.83                                 | 4.207              | 748.17                  | 456.20                 | 200                           | 0.090756150                         | 1                                         | Yes                                                                                                               |
| 5 GHz WLAN   | 0    | 5180.0          | 125.89                    | 100          | 125.89                                 | 1.225              | 154.17                  | 94.01                  | 200                           | 0.018701484                         | 1                                         | Yes                                                                                                               |
| 5 GHz WLAN   | 1    | 5180.0          | 125.89                    | 100          | 125.89                                 | 4.634              | 583.45                  | 355.76                 | 200                           | 0.070774379                         | 1                                         | Yes                                                                                                               |
| 6 GHz WLAN   | 0    | 5935.0          | 18.84                     | 100          | 18.84                                  | 1.186              | 22.34                   | 13.62                  | 200                           | 0.002709418                         | 1                                         | Yes                                                                                                               |
| 6 GHz WLAN   | 1    | 5935.0          | 18.84                     | 100          | 18.84                                  | 4.487              | 84.53                   | 51.54                  | 200                           | 0.010253593                         | 1                                         | Yes                                                                                                               |
| NB           | 0    | 5162.0          | 31.62                     | 77           | 24.35                                  | 1.225              | 29.82                   | 18.18                  | 200                           | 0.003617152                         | 1                                         | Yes                                                                                                               |
| NB           | 1    | 5162.0          | 31.62                     | 77           | 24.35                                  | 4.634              | 112.85                  | 68.81                  | 200                           | 0.013688845                         | 1                                         | Yes                                                                                                               |

**Table 4 –Transmitter Result**

The calculations show that the individual transmitters comply with FCC 1.1307(b)(3)(i)(C) MPE-based exemption at a minimum distance of 0.2 m.



### 3.4 Combined Antenna Port RF Exposure Results

#### 3.4.1 Combination 1 - 5 GHz WLAN (2x2 MIMO on Core 0 & 1) + Bluetooth (2x2 MIMO on Core 0 & 1)

| RAT                                                                                             | Core | Frequency (MHz) | Conducted Power Output mW | Duty Cycle % | Time Average Conducted Power Output mW | Antenna Gain Ratio | Maximum Power (EIRP) mW | Maximum Power (ERP) mW | Test Separation Distance (mm) | ERPj / ERPth |
|-------------------------------------------------------------------------------------------------|------|-----------------|---------------------------|--------------|----------------------------------------|--------------------|-------------------------|------------------------|-------------------------------|--------------|
| Bluetooth                                                                                       | 0    | 2402.0          | 44.67                     | 77           | 34.395                                 | 1.811              | 62.300                  | 37.988                 | 200                           | 0.04946      |
| Bluetooth                                                                                       | 1    | 2402.0          | 44.67                     | 77           | 34.395                                 | 4.207              | 144.707                 | 88.236                 | 200                           | 0.11489      |
| 5 GHz WLAN                                                                                      | 0    | 5180.0          | 125.89                    | 100          | 125.893                                | 1.225              | 154.170                 | 94.006                 | 200                           | 0.12240      |
| 5 GHz WLAN                                                                                      | 1    | 5180.0          | 125.89                    | 100          | 125.893                                | 4.634              | 583.445                 | 355.759                | 200                           | 0.46323      |
| Calculated RF exposure level at minimum compliance boundary of 0.2 m as a fraction of the limit |      |                 |                           |              |                                        |                    |                         |                        |                               | 0.7500       |

#### 3.4.2 Combination 2 - 6 GHz WLAN (2x2 MIMO on Core 0 & 1) + Bluetooth (2x2 MIMO on Core 0 & 1)

| RAT                                                                                             | Core | Frequency (MHz) | Conducted Power Output mW | Duty Cycle % | Time Average Conducted Power Output mW | Antenna Gain Ratio | Maximum Power (EIRP) mW | Maximum Power (ERP) mW | Test Separation Distance (mm) | ERPj / ERPth |
|-------------------------------------------------------------------------------------------------|------|-----------------|---------------------------|--------------|----------------------------------------|--------------------|-------------------------|------------------------|-------------------------------|--------------|
| Bluetooth                                                                                       | 0    | 2402.0          | 44.67                     | 77           | 34.395                                 | 1.811              | 62.300                  | 37.988                 | 200                           | 0.04946      |
| Bluetooth                                                                                       | 1    | 2402.0          | 44.67                     | 77           | 34.395                                 | 4.207              | 144.707                 | 88.236                 | 200                           | 0.11489      |
| 6 GHz WLAN                                                                                      | 0    | 5935.0          | 18.84                     | 100          | 18.836                                 | 1.186              | 22.336                  | 13.619                 | 200                           | 0.01773      |
| 6 GHz WLAN                                                                                      | 1    | 5935.0          | 18.84                     | 100          | 18.836                                 | 4.487              | 84.528                  | 51.541                 | 200                           | 0.06711      |
| Calculated RF exposure level at minimum compliance boundary of 0.2 m as a fraction of the limit |      |                 |                           |              |                                        |                    |                         |                        |                               | 0.2492       |



### 3.4.3 Combination 3 – 2.4 GHz WLAN (Core 1) + NB (Core 0)

| RAT                                                                                             | Core | Frequency (MHz) | Conducted Power Output mW | Duty Cycle % | Time Average Conducted Power Output mW | Antenna Gain Ratio | Maximum Power (EIRP) mW | Maximum Power (ERP) mW | Test Separation Distance (mm) | ERPj / ERPth |
|-------------------------------------------------------------------------------------------------|------|-----------------|---------------------------|--------------|----------------------------------------|--------------------|-------------------------|------------------------|-------------------------------|--------------|
| 2.4 GHz WLAN                                                                                    | 1    | 2412.0          | 177.83                    | 100          | 177.828                                | 4.207              | 748.170                 | 456.201                | 200                           | 0.59401      |
| NB                                                                                              | 0    | 5162.0          | 31.62                     | 77           | 24.350                                 | 1.225              | 29.819                  | 18.182                 | 200                           | 0.02367      |
| Calculated RF exposure level at minimum compliance boundary of 0.2 m as a fraction of the limit |      |                 |                           |              |                                        |                    |                         |                        |                               | 0.6177       |