



# Federal Communications Commission

## Hearing Aid Compatibility Status Report (FCC Form 655)

Reporting Period: July 1, 2012 - June 30, 2013

Filing Confirmation Number: 0005858850

Filing Deadline: July 15, 2013

FRN: 0005899216

Filing Date: 07/15/2013 09:14 PM

### General Report Information

#### Type of Company

Device Manufacturer

#### De Minimis Exception

Have you been offering handsets in the United States for at least three years prior to the end of the reporting period? Yes

Date that you began offering handsets in the United States

Are you a small entity? No

Were you a small entity at any time during the three years prior to the end of the reporting period? No

Date that you ceased to be a small entity?

#### Company Information

Company Name: Apple Inc.  
Brand Names: Apple  
PO Box:  
Street Address: 1 Infinite Loop, Mail Stop 26A  
City: Cupertino  
State: CA  
Zip Code: 95014

Contact Name: TB Muresan  
Contact Phone: (408) 974-2618  
Contact Fax:  
Contact Email: tmuresan@apple.com

#### Filing Agent

Is this report being filed by an agent on behalf of a manufacturer or service provider? Yes

Agent Name: Paul Margie  
PO Box:  
Street Address: Wiltshire & Grannis LLP, 1200 18th St. NW, Suite 1200  
City: Washington  
State: DC  
Zip Code: 20036

Contact Name: Paul Margie  
Contact Phone: (202) 730-1300  
Contact Fax:  
Contact Email: pmargie@wiltshiregrannis.com

## Product Labeling

Do all hearing aid-compatible handsets include labeling? Yes

Explain:

Do all hearing aid-compatible handsets that are capable of voice communication over any air interface or frequency band that does not have hearing aid compatibility technical standards under ANSI C63.19-2007 include the required language disclosing that the handset has not been rated for hearing aid compatibility with respect to such operations? Yes

Explain:

Do all hearing aid-compatible handsets that the manufacturer also tested and found not to meet hearing aid compatibility requirements under ANSI C63.19-2011 for one or more operations that are not covered under ANSI C63.19-2007, include language informing users by clear and effective means that the handset does not meet the relevant rating or ratings with respect to such operation(s)?

N/A

Explain:

Do all handsets that are capable of use for Voice over LTE, and that were certified for inductive coupling capability under ANSI C63.19-2011 without being tested for inductive coupling capability over VoLTE, include language disclosing that they were not tested with respect to this operation?

N/A

Explain:

Do all handsets that meet the criteria for an M3 rating by allowing the user to reduce the maximum power for GSM operation in the 1900 MHz band include the required disclosure?

Yes

Explain:

## Public Website

Does your company maintain a public website describing all hearing aid-compatible models, the ratings of those models, and an explanation of the rating system? Yes

Website address: [www.apple.com/support/hac](http://www.apple.com/support/hac)

Explain:

## Consumer Outreach

Describe consumer outreach efforts in the past 12 months: Apple maintains an accessibility website at [www.apple.com/accessibility/](http://www.apple.com/accessibility/). This website includes web pages describing iPhone accessibility features and solutions for those with hearing loss, including iPhone support for FaceTime video calls, closed captioning, messages with iMessage, mono audio, visible and vibrating alerts, visual voicemail, hearing aid-compatible induction ear loops, and TTY. Additional information on accessibility is available on this website, including through Apple's Voluntary Product Accessibility Templates, which describe how iPhone addresses accessibility guidelines under Section 508 of the Rehabilitation Act. The Apple accessibility website also includes an email address/link ([accessibility@apple.com](mailto:accessibility@apple.com)) which allows customers to provide Apple with feedback, comments, or questions regarding accessibility products or solutions offered by Apple.

In addition, for iPhones certified as hearing aid compatible, Apple provides hearing aid compatibility ratings both on its website at [www.apple.com/support/hac](http://www.apple.com/support/hac) and on the iPhone box label. Apple also includes information on hearing aid compatibility in the online iPhone User Guide accessible through the iPhone and on Apple's website at

Finally, Apple participates in the Mobile Manufacturers Forum Global Accessibility Reporting Initiative ("GARI"), a project that helps consumers learn about handset accessibility features, including hearing aid compatibility. Information about Apple handsets is available through GARI's website at <http://www.mobileaccessibility.info>, as well as through the Access Wireless website ([www.accesswireless.org](http://www.accesswireless.org)) operated by CTIA-The Wireless Association.

### Hearing Aid Testing

How many handset models were tested for hearing aid compatibility during the reporting period? 2

### Report Remarks

You have reported the following handset model summary information.

Total number of handsets offered: 6

| Air Interface | Fully Hearing Aid Compatible |         | Acoustic Coupling Compatible Only |         | Non-Compliant Handsets |         | Excluded Handsets Number | Total by Air Interface |
|---------------|------------------------------|---------|-----------------------------------|---------|------------------------|---------|--------------------------|------------------------|
|               | Number                       | Percent | Number                            | Percent | Number                 | Percent |                          |                        |
| GSM           | 2                            | 50%     |                                   |         | 2                      | 50%     |                          | 4                      |
| CDMA          | 2                            | 67%     |                                   |         | 1                      | 33%     |                          | 3                      |
| WCDMA         | 2                            | 50%     |                                   |         | 2                      | 50%     |                          | 4                      |

### Handset 1: Apple iPhone 3GS (A1303)

#### Handset Maker

Apple

#### Handset Model Name

iPhone 3GS (A1303)

#### FCC ID

BCGA1303A, BCGA1303B

#### Air Interfaces/Frequency Bands

850 MHz GSM  
 850 MHz WCDMA  
 1900 MHz GSM  
 1900 MHz WCDMA  
 2.4 GHz Wi-Fi

#### Dates

This handset model was offered from: 07/12 to 09/12

#### Ratings

M-Rating:

M-Rating Certification Date:

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user

optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Version of the ANSI C63.19 standard used during the certification process:

T-Rating:

T-Rating Certification Date:

Version of the ANSI C63.19 standard used during the certification process:

### Remarks

- (1) GSM 850 meets M3; GSM 1900 meets M2; WCDMA 850 meets M4; WCDMA 1900 meets M4.
- (2) iPhone 3GS supports additional frequency bands that do not operate in U.S. territories and that were not certified under U.S. HAC rules.

---

## Handset 2: Apple iPhone 4 (A1332)

### Handset Maker

Apple

### Handset Model Name

iPhone 4 (A1332)

### FCC ID

BCG-E2380A, BCG-E2380B

### Air Interfaces/Frequency Bands

850 MHz GSM  
850 MHz WCDMA  
1900 MHz GSM  
1900 MHz WCDMA  
2.4 GHz Wi-Fi

### Dates

This handset model was offered from: 07/12 to 06/13

### Ratings

M-Rating: M3

M-Rating Certification Date: 10/04/11

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for

emergency calls to 911? Y

Version of the ANSI C63.19 standard used during the certification process: 2007

T-Rating: T3

T-Rating Certification Date: 10/04/11

Version of the ANSI C63.19 standard used during the certification process: 2007

### Remarks

- (1) M3 rating for the 1900 MHz GSM band uses the Section 20.19(e)(1)(iii) power reduction option, 47 C.F.R. Sec. 20.19(e)(1)(iii), and requires activation of Hearing Aid Mode in iOS 5 or later.
- (2) Phone 4 (A1332) supports additional frequency bands that do not operate in U.S. territories and that were not certified under U.S. HAC rules.

## Handset 3: Apple iPhone 4 (A1349)

### Handset Maker

Apple

### Handset Model Name

iPhone 4 (A1349)

### FCC ID

BCG-E2422A, BCG-E2422B

### Air Interfaces/Frequency Bands

800 MHz CDMA

1900 MHz CDMA

2.4 GHz Wi-Fi

### Dates

This handset model was offered from: 07/12 to 06/13

### Ratings

M-Rating: M4

M-Rating Certification Date: 01/20/11

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Version of the ANSI C63.19 standard used during the certification process: 2007

T-Rating: T4

T-Rating Certification Date: 01/20/11

Version of the ANSI C63.19 standard used during the certification process: 2007

### Remarks

## Handset 4: Apple iPhone 4S (A1387)

### Handset Maker

Apple

### Handset Model Name

iPhone 4S (A1387)

### FCC ID

BCG-E2430A

### Air Interfaces/Frequency Bands

800 MHz CDMA  
850 MHz GSM  
850 MHz WCDMA  
1900 MHz GSM  
1900 MHz CDMA  
1900 MHz WCDMA  
2.4 GHz Wi-Fi

### Dates

This handset model was offered from: 07/12 to 06/13

### Ratings

M-Rating:

M-Rating Certification Date:

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Version of the ANSI C63.19 standard used during the certification process:

T-Rating:

T-Rating Certification Date:

Version of the ANSI C63.19 standard used during the certification process:

### Remarks

- (1) CDMA available only if iPhone 4S is sold and activated for use on a CDMA network.
- (2) iPhone 4S supports additional frequency bands that do not operate in U.S. territories and that were not certified under U.S. HAC rules.

## Handset 5: Apple iPhone 5 (A1428)

### Handset Maker

Apple

### Handset Model Name

iPhone 5 (A1428)

### FCC ID

BCG-E2599A

### Air Interfaces/Frequency Bands

700 MHz LTE  
850 MHz GSM  
850 MHz WCDMA  
850 MHz LTE  
1700 MHz WCDMA

1700 MHz LTE  
1900 MHz GSM  
1900 MHz WCDMA  
1900 MHz LTE  
2.4 GHz Wi-Fi  
5000 MHz Wi-Fi

#### Dates

This handset model was offered from: 09/12 to 06/13

#### Ratings

M-Rating: M3

M-Rating Certification Date: 09/12/12

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 09/12/12

Version of the ANSI C63.19 standard used during the certification process: 2011

#### Remarks

- (1) iPhone 5 includes a Hearing Aid Mode that modifies the handset's acoustic settings to improve compatibility with hearing aids set in "T" or telecoil mode.
- (2) Class II permissive change to add 1700 MHz band operations for iPhone 5 (A1428) granted on 03/26/13.
- (3) iPhone 5 supports additional frequency bands that do not operate in U.S. territories and that were not certified under U.S. HAC rules.

### Handset 6: Apple iPhone 5 (A1429)

#### Handset Maker

Apple

#### Handset Model Name

iPhone 5 (A1429)

#### FCC ID

BCG-E2599A

#### Air Interfaces/Frequency Bands

700 MHz LTE  
800 MHz CDMA  
1900 MHz CDMA  
1900 MHz LTE  
2.4 GHz Wi-Fi  
5000 MHz Wi-Fi

#### Dates

This handset model was offered from: 09/12 to 06/13

#### Ratings

M-Rating: M4

M-Rating Certification Date: 09/12/12

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 09/12/12

Version of the ANSI C63.19 standard used during the certification process: 2011

### Remarks

- (1) iPhone 5 includes a Hearing Aid Mode that modifies the handset's acoustic settings to improve compatibility with hearing aids set in "T" or telecoil mode.
- (2) iPhone 5 supports additional frequency bands that do not operate in U.S. territories and that were not certified under U.S. HAC rules.

---

### Certification

#### This Report has been certified by:

Paul Margie attorney  
07/15/2013 09:14 PM