

## Chris Harvey

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**From:** Amy Lie [amy.lie@ccsemc.com]  
**Sent:** Thursday, October 08, 2009 6:20 PM  
**To:** Chris Harvey -TCB  
**Cc:** Claire Hoque; Thu Chan  
**Subject:** RE: Aircell LLC, FCC ID: WPX-AHSI, Assessment NO.: AN09T9618, Notice#1  
**Attachments:** 09U12769-1B FCC 22G Report\_Final.pdf; FCC Compliance statement.pdf

Hi Chris and Claire,

Attached please find the revised report due to duplicate of plots for the out of band emission on page 27 and 30, and to include the serial number of the EUT.

Client wants us to review the compliance statement if this is acceptable so that he can implement on the user manual/installation guide.

Secondly client wants your confirmation if the RF Exposure statement is applicable for his device as his is a fixed and licensed device as he is not convinced.

If possible, kindly direct to us the rules and regulations as the attachment that I have provided mentions mobile and portable devices pertaining to unlicensed transmitting devices.

Thanks,  
Amy

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From: Amy Lie [mailto:amy.lie@ccsemc.com]  
Sent: Thursday, October 08, 2009 11:31 AM  
To: Mike Swain  
Subject: Re : Revised ATG4000 FCC Report

Hi Mike,

[RF exposure statement requirement can be found in 2.1091 and 2.1093.](#)

[Following are the content extracted from 2.1091 \(c\) for your reference.](#)

Applications for equipment authorization of mobile and unlicensed transmitting devices subject to routine environmental evaluation must contain a statement confirming compliance with the limits specified in paragraph (d) of this section as part of their application. Technical information showing the basis for this statement must be submitted to the Commission upon request.

Best regards,

Amy Lie  
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Compliance Certification Services  
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10/12/2009

-----Original Message-----

From: Amy Lie

Sent: Wednesday, October 07, 2009 9:09 AM

To: Chris Harvey -TCB

Cc: Claire Hoque; Thu Chan

Subject: RE: Aircell LLC, FCC ID: WPX-AHSI, Assessment NO.: AN09T9618, Notice#1

Hi Chris and Claire,

Attached please find the revised test report to include MPE.

I have instructed the client to revise the user manual/installation guide as per your advice. Unfortunately client is asking me to point him to the FCC rules and regulation pertaining to the user manual should contain the RF exposure statement. Please advise.

Thanks,

Amy Lie

Account Executive

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-----Original Message-----

From: Mike Swain [mailto:[mswain@aircell.com](mailto:mswain@aircell.com)]

Sent: Wednesday, October 07, 2009 7:58 AM

To: Amy Lie

Subject: RE: Re : Revised ATG4000 FCC Report

Hi Amy,

I have reviewed the enclosed documents and have found no reference to user manual in which the below statement needs to be added. We consider this unit to be a fixed licensed device.

My legal requires specific reference to this requirement. I will continue the search, if you have any specific reference to the requirement of labeling the device or manual with the below statement please provide.

Thanks,

Mike

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From: Amy Lie [mailto:[amy.lie@ccsemc.com](mailto:amy.lie@ccsemc.com)]

Sent: Tuesday, October 06, 2009 15:48 PM

To: Mike Swain

Subject: Re : Revised ATG4000 FCC Report

Hi Mike,

I am attaching the rules pertaining to RF Exposure in e-CFR 1.1307(b), 1.1310, 201091, and 2.1093 or use the link below for your future reference.

10/12/2009

Best regards,

Amy Lie  
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-----Original Message-----

From: Mike Swain [mailto:[mswain@aircell.com](mailto:mswain@aircell.com)]  
Sent: Tuesday, October 06, 2009 12:39 PM  
To: Amy Lie  
Subject: RE: Re : Revised ATG4000 FCC Report

Hi Amy,

I am making a revision statement for the below. Please indicate exactly where in CFR the statement requirement is listed. My legal rep is sure to want to know where it comes from.

Thanks,

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From: Amy Lie [mailto:[amy.lie@ccsemc.com](mailto:amy.lie@ccsemc.com)]  
Sent: Tuesday, October 06, 2009 11:41 AM  
To: Mike Swain  
Subject: Re : Revised ATG4000 FCC Report

Hi Mike,

Attached please find the revised FCC 22G report to include MPE as per your request.

Per your confirmation that the product will require professional installation, the safety separation distance of at least 32 cm from all persons should be maintained.

Please submit a revised user manual / installation guide to indicate this statement.

**Example of a RF Radiation Safety, Maximun Permissible Exposure (MPE) Limits:**

Regarding guidelines for Human exposure limits to Radio Frequency (RF) electromagnetic fields, Aircell Air-to-ground Transceiver, model no. ATG4000 has been evaluated for compliance with FCC OET Bulletin 65. The Air-to-ground Transceiver is to be installed by professional qualified personnel. The Air-to-ground Transceiver is mounted in the fuselage of the aircraft with the antenna located outside the aircraft fuselage. Because the antenna mounting location is outside the fuselage, the 32 cm will be maintained from the passengers and crew.

Best regards,

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<<09U12769-1A FCC 22G Report.pdf>>