

## Chris Harvey EMC

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**From:** KCorpuz@metlabs.com  
**Sent:** Friday, November 21, 2003 5:05 PM  
**To:** chrisharveyemc@comcast.net  
**Cc:** GMorris@metlabs.com; Allarina@metlabs.com; MBosley@metlabs.com; CAnicet@metlabs.com; TTokuno@beamreachnetworks.com  
**Subject:** RE: BeamReach FCC Application review comments, Request for Technical Information

Hi Chris,  
Here are the updated FCC27 report and internal photos.  
As for questions below, please see questions and below it are answers, in red font, to each questions.

Best Regards,  
Kerwinn

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

From: Marianne Bosley  
Sent: Monday, November 17, 2003 12:47 PM  
To: Kerwinn Corpuz  
Cc: Gaylon Morris; 'aillarina@metlabs.com'  
Subject: FW: BeamReach FCC Application review comments, Request for Technical Information  
Importance: High

Hi Kerwin,

Please attend to the technical issues below. I already told Chris that I had told you to send report without emission designator, and I guess I told you the wrong equipment type code? I asked Chris to forward some help with the emission designator, and I can contact Tony for the label location.

But the rest is technical. Let me know if I can do anything and please carbon me on your response to Chris.

Thanks.

Marianne

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

From: Chris Harvey EMC  
To: 'Marianne Bosley'  
Sent: 11/17/2003 3:36 PM  
Subject: FW: BeamReach FCC Application review comments, Request for Technical Information

Chris Harvey

Chris Harvey EMC Consultants, LLC

cell 443-622-3300

11/23/2003

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

From: Chris Harvey EMC [mailto:chrisharveyemc@comcast.net]  
 Sent: Monday, November 17, 2003 3:21 PM  
 To: Marianne Bosley (mbosaley@metlabs.com)  
 Cc: 'Alvin Ilarina'  
 Subject: BeamReach FCC Application review comments, Request for Technical Information

The following items must be corrected before this application can continue to be reviewed for FCC Compliance:

1) The photos submitted do not show back sides of boards, and the front side photos are out of focus (Base Module Photos). Please resubmit corrected photographs.

Updated, please see Internal Photos attached file.

2) Please provide an Emission Designator.

Updated, please see section Table 1 of FCC27 report.

3) Please submit a Label location drawing.

I guess Marianne have updated with you on one.

4) Please correct the following items in the test report: Equipment code is TNB; Emission Designator; Mode of Operation; Modifications section details from the applicant.

1) Equipment Code: updated Table 1 of FCC27 report.

2) Emission Designator: please see Table 1 of FCC27 report and see page 4 of 49 for explanation.

3) Mode of Operation: updated FCC27 report, see page 5 of 49.

4) Modification: updated, please see FCC27 report page 11 of 49.

5) Report Section A Spurious Emissions at Antenna Terminals, per 27.53 (a)(4) the bandwidth used is supposed to be 1MHz or greater. The report seems to document a Resolution Bandwidth of 100 kHz in each plot. This needs to be corrected.

Section 27(a)(4) .....employing a resolution bandwidth of 1MHz or less, but at least one percent of the emission bandwidth of the fundamental emission of the transmitter.

I used one percent of the fundamental because the noise floor is too high when resolution BW is set to 1MHz and it will not pass the 50 dBc limit. Fundamental BW measured = 4 MHz \* 1% = 40kHz, therefore 100kHz was used on the resolution BW.

6) Report Section major headers and then the next header do not match (i.e. Test Equipment section VIII vs. VI.)

Correction complete.

Please reply as soon as possible so that the application review can be

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completed.

Best regards,

Chris Harvey

Chris Harvey EMC Consultants, LLC

cell 443-622-3300

11/23/2003