Chris Harvey

From: Marianne Bosley [MBosley@metlabs.com]
Sent: Tuesday, September 14, 2004 1:05 PM
To: 'chrisharveyemc@comcast.net'
Cc: Kerwinn Corpuz; Marianne Bosley; Shari Meyers
Subject: Response to RT for MT15478 Soma networks.

Importance: High

Please see your metbox for the attachments mentioned (they'll be there soon).

Question #1 (per Kerwin), please refer to page 1 of 44 "Type of Emission: 4M69F9W" of the report (attachment).

Question #2 (per Kerwin), please refer to page 27 and 28 of 44 "Radiated Emission (Substitution Method)" for additional test procedure and test result of EIRP at the fundamental. Setup photo is on page 32 of 44.

3. Please provide the range of operating RF Power output and an indication if this is stepped or continually variable.

ANSWER (per client): This question (both parts) is already answered in #3 of the SP3 _PCS_Technical_Questionnaire.doc provided in the package.

4. The Technical Reference states in Table 1-3 that the Typical Directive Gain in the Quadrant Mode is 4dBi. However in table 1.1 and elsewhere in the application the gain is stated as 3dBi. Please explain this discrepancy.

ANSWER:(per client) This was a typo in the Tech Ref. I've attached a corrected revision of the doc.

5. There are exhibits for an MMDS Radio (Schematic and PCB Layout diagrams) that seem not to apply to this device. Please confirm if these exhibits belong with this application.

ANSWER: (per client - Chris if you don't have the correct exhibit - and it's just not a matter of knowing what the MMDS exhibit is, let me know)I took a look in the ZIP package and could not find any MMDS information at all. There is MMDS information at the MET FTP

site, but that is not part of this TCB submission. The only information that is pertinent to the TCB submission is in the single ZIP

file I provided - everything else on the FTP site should be ignored for the purposes of the TCB filing. To make this clear, what I

have done is gone to the FTP site and created a top-level directory called \TCB_Submissions. I have put the updated SP3_PCS_TCB_Package.zip into that directory. It contains the updated Tech ref, label drawing, and I have removed the Part 15.19

letter (which said that the statement could not fit on the label, since now it does).

I would recommend that we delete the old SP3_PCS_TCB_Package.zip immediately to avoid confusion. I do not believe I have permission

to delete anything on the FTP site, so I would have to leave that to you.

#6 (per Kerwin) Here are the internal photos for question #6. Please have Chris disregard the internal photos that was sent to him previously.

Attachments are complete photos for Subscriber Terminal.

Chris, if you need more from the ftp site I will sort through what is there tomorrow. as he states. Bottomline I know right off, he is including the 15.19 on the label, and I will remove the necessary things.

Chris Harvey

From: Chris Harvey [Chrisharveyemc@comcast.net]
Sent: Monday, September 06, 2004 8:41 AM
To: 'Chris Harvey'; Alvin Ilarina (ailarina@metlabs.com); Kerwin Corpuz (kcorpuz@metlabs.com)
Cc: 'Marianne Bosley'
Subject: RE: Additional Information needed for SOMA FCC ID: POZCPEPCS004886C MT#15478

Please add this one additional request to the list below:

6. The internal photographs submitted show the general construction of this device. Please provide additional internal photographs showing both sides of all PC Boards in this device.

Beset regards,

Chris

-----Original Message-----
From: Chris Harvey [mailto:Chrisharveyemc@comcast.net]
Sent: Monday, September 06, 2004 8:37 AM
To: Alvin Ilarina (ailarina@metlabs.com); Kerwin Corpuz (kcorpuz@metlabs.com)
Cc: 'Marianne Bosley'
Subject: Additional Information needed for SOMA FCC ID: POZCPEPCS004886C MT#15478

Kerwin/Alvin,

I have reviewed the application for SOMA referenced above and have the following items that need to be addressed in order to continue this TCB application review:

1. The RF Power measurements in this report are stated as RF Conducted Power. Devices that have integral antennas in the FCC Pt. 24 Subpart E allocation are required to have EIRP measurements. Please submit measured EIRP using the Substitution Method of EIA/TIA 603.

2. Please provide the method of determining the 5M00F9W Emission Designator stated in the test report. Typically the measured Emission Bandwidth, not the channel bandwidth, is used to determine the first 4 characters.

3. Please provide the range of operating RF Power output and an indication if this is stepped or continually variable.

4. The Technical Reference states in Table 1-3 that the Typical Directive Gain in the Quadrant Mode is 4dBi. However in table 1.1 and elsewhere in the application the gain is stated as 3dBi. Please explain this discrepancy.

5. There are exhibits for an MMDS Radio (Schematic and PCB Layout diagrams) that seem not to apply to this device. Please confirm if these exhibits belong with this application.

The following items are only for informational purposes:

SOMA has provided a 15.19 declaration letter, which does not belong in the Certification application package; however their claim that this device is too small to place the 2 part statement label is not in accordance with FCC policy. I am removing this from the application; however they should be placing this label on this device since FCC Pt. 15 is applicable to all the digital portions.

There are 2 exhibits for MPE, one in the report using the measured RF Conducted power and one using the estimated /rated +27dBm RF power. Since the stand-alone MPE exhibit uses the incorrect RF Power, I will remove this from the application and use the MPE Exhibit in the report. If the Antenna Gain determination above is different than the 3dBi stated, please revise the MPE exhibit accordingly.

Please provide all the responses together and directly to me and copy Marianne. Please contact me if you have any questions.

Best regards,

Chris Harvey
charvey@ieee.org