

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