

Chris Harvey

From: Michael Heckrotte [michael.heckrotte@ccsemc.com]
Sent: Thursday, January 19, 2006 9:23 PM
To: Claire Hoque; Chris Harvey
Cc: Chuck Cowden; David Garcia
Subject: RE: answer: Skypilot Network Inc., FCC ID: RV7-GW-SD1050, Assessment NO.: AN05T5364, Notice#1

Chris,

Please disregard the previous reply to #5. The correct reply is: <answer>The necessary bandwidth is 18.48 MHz and the emission designator is 18M5G1D.

Claire,

Please correct the Form 731 to reflect the above Necessary BW.

Best Regards,
Mike

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

From: Claire Hoque
Sent: Thursday, January 19, 2006 5:08 PM
To: Chris Harvey
Cc: Michael Heckrotte; Chuck Cowden; David Garcia
Subject: answer: Skypilot Network Inc., FCC ID: RV7-GW-SD1050, Assessment NO.: AN05T5364, Notice#1

Hi Chris,

Here are the answers.

1. The Internal Photographs do not show the details of all PC Boards, including both sides and with/without RF shields. Please update the internal photos. <answer>pls see revised internal photos.

2. The MPE calculation in the test report used a value of 16dBi for the antenna gain, where the antenna specification indicates a 16.5dBi antenna gain. Although this will not show non-compliance since the recommended separation in the manual is 40cm and the calculation showed that the safe distance is 20cm (or less), please correct this discrepancy and recalculate the MPE power density. <answer>16dBi is correct for RV7-GW-SD1050, and we did submit the correct antenna spec. wit 16dBi.
16.5dBi is for FCC ID: RV7-SC1050, Assessment NO.: AN05T5363.

3. Sections 5.2 & 7.4.1 of the test report and the form 731 indicate the frequency of operation as 4894-4990MHz. The remainder of the application has the frequency of operation as 4950-4980 MHz (center of low and high channels). Please correct this discrepancy. <answer>The frequency band should be 4940-4990 MHz. pls see revised report.

4. The Users Manual contains no FCC required information about Digital Device or RF Exposure compliance. Please update the Users Manual to contain the appropriate information. <answer>pls see revised manual.

5. Please provide a necessary bandwidth indication and emission type in the form of an emission designator with justification (form 731 and report did not have this information). <answer>The necessary bandwidth is 20 MHz and the emission designator is 20M0G1D.

6. The name of the Theory of Operation exhibit contains the term tune-up, but no tune-up procedure has been provided. Please provide a tune-up procedure exhibit. Additionally, please provide the DC voltages and currents for the final amplification stages required for Licensed Devices per FCC 2.1033(c). <answer>pls see revised theory of operation and tune-up procedure.

7. The Pt. 90 report and test procedure does not define the Peak Power in terms of RMS equivalent. Please confirm that the Peak Power Output measured has been measured as a conducted emission over any interval of continuous transmission calibrated in terms of an RMS-equivalent voltage in accordance with FCC 90.1215. <answer>confirmed, pls see revised report.

Thanks,

Claire

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

From: David Garcia
Sent: Tuesday, January 03, 2006 1:48 PM
To: Michael Heckrotte; Chuck Cowden; Claire Hoque
Subject: RE: Skypilot Network Inc., FCC ID: RV7-GW-SD1050, Assessment
NO.: AN05T5364, Notice#1

Hello Michael and Claire,

I have modified both the RV7-GW-SD1050 (Gateway units) and the RV7-SC1050 (CPE units). The latter was modified before the holidays but I found a couple of spots that needed fixing.

the RV7-GW-SD1050 utilizes a 16.0 dBi gain antenna per the PIS form. Claire, do you have anything that says otherwise.

Currently the MPE table is using the 16.0 dBi antenna gain per the PIS information for this model. The frequency band should be 4940-4990 MHz. I have updated the reports accordingly.

Let me know if there is anything missing from the questions that were asked for both projects.

Regards,

David

P.S. Mike can you review the rms-equivalent procedure that I added to the reports (05U3795-1B and 05U3795-2B)?

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

From: Michael Heckrotte
Sent: Tuesday, January 03, 2006 9:13 AM
To: Chuck Cowden; Claire Hoque; David Garcia
Subject: FW: Skypilot Network Inc., FCC ID: RV7-GW-SD1050, Assessment
NO.: AN05T5364, Notice#1

Hi all,

Let's meet at 10:30 AM this morning in the conference room, and make a call to Claire, to discuss assignments.

Best Regards,
Mike

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

From: Compliance Certification Services [mailto:charvey-tcb@ccsemc.com]
Sent: Friday, December 23, 2005 7:46 AM
To: Michael Heckrotte
Cc: Chris Harvey
Subject: Skypilot Network Inc., FCC ID: RV7-GW-SD1050, Assessment NO.: AN05T5364, Notice#1

Michael, you are listed as the technical contact for the above referenced TCB application. The review of this application has raised several issues that need to be addressed before the review can be completed.

1. The Internal Photographs do not show the details of all PC Boards, including both sides and with/without RF shields. Please update the internal photos.
2. The MPE calculation in the test report used a value of 16dBi for the antenna gain, where the antenna specification indicates a 16.5dBi antenna gain. Although this will not show non-compliance since the recommended separation in the manual is 40cm and the calculation showed that the safe distance is 20cm (or less), please correct this discrepancy and recalculate the MPE power density.
3. Sections 5.2 & 7.4.1 of the test report and the form 731 indicate the frequency of operation as 4894-4990MHz. The remainder of the application has the frequency of operation as 4950-4980 MHz (center of low and high channels). Please correct this discrepancy.
4. The Users Manual contains no FCC required information about Digital Device or RF Exposure compliance. Please update the Users Manual to contain the appropriate information.
5. Please provide a necessary bandwidth indication and emission type in the form of an emission designator with justification (form 731 and report did not have this information).
6. The name of the Theory of Operation exhibit contains the term tune-up, but no tune-up procedure has been provided. Please provide a tune-up procedure exhibit. Additionally, please provide the DC voltages and currents for the final amplification stages required for Licensed Devices per FCC 2.1033(c).
7. The Pt. 90 report and test procedure does not define the Peak Power in terms of RMS equivalent. Please confirm that the Peak Power Output measured has been measured as a conducted emission over any interval of continuous transmission calibrated in terms of an RMS-equivalent voltage in accordance with FCC 90.1215.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of the original e-mail date may result in application dismissal and forfeiture of the filing fee. Also, please note that partial responses increase processing time and should not be submitted. Any questions about the content of this correspondence should be directed to the e-mail address listed below the name of the sender.

Best regards,
Chris Harvey
charvey-tcb@ccsemc.com