

Chris Harvey

From: Claire Hoque [claire.hoque@ccsemc.com]
Sent: Monday, April 07, 2008 5:27 PM
To: Chris Harvey; Chris Harvey; Chris Harvey -TCB
Cc: Thu Chan; Amy Lie
Subject: SC4120 answer: Skypilot Network Inc., FCC ID: RV7-SC4120 , Assessment NO.: AN08T7740-DTS, AN08T7741-NII, Notice#1

Attachments: SkyAccess_Install DualBand_080403(1).pdf; SkyAccess_Install DualBand_080403(2).pdf; SkyAccess_TPC_080407.pdf; SkyPilot Adhoc Declaration - 4110-4111-4120-4121.pdf; SkyPilot Connector antenna specs 52(revised).pdf; 07U11219-1B 5.3GHz SC4120 dual band FCC IC UNII WLAN Report.pdf; 07U11219-3B dual band 2.4GHz SC4120 FCC DTS Report.pdf



SkyAccess_Install DualBand_080... SkyAccess_Install DualBand_080... SkyAccess_TPC_08 0407.pdf (33 K... SkyPilot Adhoc Declaration - 4... SkyPilot Connector antenna spe... 07U11219-1B 5.3GHz SC4120 dual. band 2.4GHz S...

Hi

Chris,

Pls see anwer below.
Thanks,

Claire Hoque

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

From: Chris Harvey
Sent: Thursday, March 27, 2008 12:16 PM
To: Thu Chan
Cc: Chris Harvey; Claire Hoque
Subject: Skypilot Network Inc., FCC ID: RV7-SC4120 , Assessment NO.: AN08T7740-DTS, AN08T7741-NII, Notice#1

Dear Claire and Thu,

You are listed as the Technical Contact for the above referenced TCB applications. The following items need to be resolved before the reviews can be continued:

1. The 2.4GHz RF Report states that this device is used for fixed point-to-point operation, but the point-to-point operation only applies to the 5.2GHz operation. The 2.4GHz may be point-to-multi-point, but the power limit should be adjusted by 1.4 dB since the 7.4dBi antenna is 1.4dB above 6dBi (this should not impact compliance).
<answer>report is revised.
2. This device must be professionally installed since the 2.4GHz antenna connector is a standard connector (N). The installation guide must indicate that this device must be professionally installed.
<answer>Please see attached updated installation manual that specifies professional installation.
3. The Theory of Operation indicates that the 2.4GHz and 5.2GHz radios can transmit simultaneously. This simultaneous transmission must be addressed in an MPE calculation for this fixed device. Please calculate the Power Densities at the minimum separation distance (20 cm or greater) and provide the worst case combined power density to ensure it is below the MPE Power Density Limit at that separation. Also, please note that MPE calculations should be performed to determine the Power density at a certain distance (20cm or greater) and not be used to determine separation distances less than 20cm (MPE does not apply at distances <20cm).
<answer>report is revised.

4. The UNII report indicates that the Transmit Power Control (TPC) compliance information will be supplied in a separate document, but this document appears not to have been submitted. Please supply the TPC compliance documentation.
<answer>TPC is attached.

5. The FCC Requires that applications for UNII devices include a declaration from the Grantee verifying that the device does not have Ad Hoc capabilities on non-US frequencies and on DFS frequencies. Please submit this Grantee declaration.
<answer>Please see attached DFS Declaration.

6. The Theory of operation submitted with this application does not include any information for the 5.25-5.35 GHz band, which is the only band of operation for this device. The internal photos of this device show 2 radios installed and an external connector. Please confirm if this device will actually have 2 radios installed and will have an external RF Connector. If these are actually installed, please confirm that the 2nd radio is inactive and no RF will be provided to the external RF Connector.
<answer>Client did not understand this question as the assembly is a dual-freq device.
Consequently, this assembly will have two radios installed and will have an external RF connector. Please elaborate.

7. The Antenna Gain information in the antenna specification indicates that it is applicable to both the 5.2 and 5.8 GHz bands, but does not differentiate between the actual peak gains for these 2 distinct bands. Please submit band specific gain information for this antenna in the 5.25 - 5.35 GHz band.
<answer>Please see attached antenna specification.

8. The Architecture and Protocol Guide does not contain any information about the 5.25-5.35GHz band. Please confirm if this exhibit is the appropriate exhibit for this device and replace or update as needed.
<answer>The Architecture and Protocol Guide is independent of the frequency band.
Any frequencies referred to within the document are for example purposes only.
Consequently, this is the correct document to utilize.

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