

From: Claire Hoque
Sent: Monday, July 14, 2003 10:22 AM
To: Steve Cheng
Cc: Michael Heckrotte; Mike Kuo; Scott Klackle
Subject: Atheros COMMUNICATIONS, INC. FCC ID:PPD-AR5BAP-00032, AN03T3060

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Hi Steve,

Here are our answers for Atheros AP30(03U2012), AN03T3060. Pls kindly review the answers and issue the grant ASAP.
Thanks!

Question 1:

Please re-take the internal photo - not clear and RF shielding shall be removed.
<Claire>Pls see revised internal photos.

Question 2:

User manual p2-7 p2-8 missing graphic.
<Atheros Mike Green>: Pls see attached revision of user manual.

Question 3:

Page 2-9 of operation manual stated, "Depending on firmware settings, the channel of operation may not be accessible and will be utomatically determined depending on the current regulatory domain (i.e. country of operation)". Recently, FCC had released a notice to TCB that user selectable regulatory domain is no longer allowed. Please provide what have been implemented on the AP firmware to prevent user from changing the regulatory domain?

<Atheros Mike Green>: I thought user selectable regulatory domain has never been allowed by FCC. This device has an EEPROM code programmed at the factory which locks the regulatory domain to the U.S. setting so that user cannot change via the user interface or any other means.

Question 4:

User manual stated, "This device has been evaluated for compliance with FCC RF Exposure (SAR) limits". But SAR report cannot be found, please clarify.
<Atheros Mike Green>: Pls see revised user manual, page B-3, attached.

Question 5:

User manual stated "CAUTION: To ensure compliance with FCC RF exposure requirements, the antenna used for this device must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operated in conjunction with any other antenna or radio transmitter. But this device has a self co-located transmitter. Please modify users manual to reflect the actual situation.
<Atheros Mike Green>: I believe this statement to our users is appropriate (i.e. don't locate or modify this device so that it is used with any other transmitter device). But the term co-located seems to be at issue. Therefore, I have modified the user manual as attached. Pls

see updated text on page B-3.

Question 6:

Please explain how antenna info is qualified for confidentiality?

<Atheros Mike Green>: The antenna was designed by Atheros and we wish to protect our intellectual property per .459. These antenna performance specs are only provided to Atheros customers under Non Disclosure Agreement.

Question 7:

Please explain why all test was conducted with open chassis?

<CCS Mike H> The enclosure was not available during testing. It is plastic therefore does not affect the test results.

Question 8:

For your info, Page 61 of the test report stated, "RBW = 3 kHz and VBW \geq 3KHz. And is not follow the FCC test guideline. Please correct. (all the test plots use VBW $>$ 3KHz)

<CCS Mike H>Regarding Q8: The report page 61 is updated and attached.

Question 9:

For your info "Operation theory content duplicated text."

<Claire> Pls see revised Theory of Operation.

Thanks,

Claire