



CB-7.2.1 – Technical Review RT Form

FCC ID: Q8KVHF2W80

IC ID: 4901A-VHF2W80

CT Project: P1480008

From: Shawn McMillen

Date: 10/23/2014

RTs FCC

1--The internal photos do not appear to show the internal structure of the radio portion. Please address.

10/27/14 G-Way: Ok, We will send you the internal pictures of the RF AMP. Please be advised that we will update the confidentiality letter.

10/30/14 G-Way: Internal photos and updated LT Conf. letter provided.

2--The user's manual addresses a Yagi high gain antenna for use with this system however the 1.1310 addresses only a 0dBi gain antenna for RF exposure. In addition the separation distance for the yagi antenna is 60cm whereas the Omni antenna is <20cm but the gain of each antenna in terms of dBi are very similar. Please address.

10/27/14 G-Way: As far as I understand, there is no need for any antenna values in the RF exposure warning. We can just remove antenna values altogether and call it a day? Also, antenna factors are provided for example only, it doesn't matter actually what the gain of the antennas are for the purpose of assessing BDA performance.

10/30/14 SM_ The MPE was calculated against a maximum gain antenna of 5.65dBi whereas the User's manual references an 11.65dBi antenna. Both of these need to match up. Please address.

10/30/14 – G-Way: Will change.

10/31/14 – G-Way: Updated manual provided.

10/28/14 _CT: the YAGI antenna listed on the antenna datasheet has been added to the FCC 1.1310 test report.

3--The Tune-up procedure should contain target power levels with the associated variances.

10/27/14 G-way: Will be updated.

10/30/14 G-Way: Provided in updated Users Manual.

10/30/14 SM_ The User's manual is not considered a technical report and therefore the tune-up procedure should be a separate document.

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10/30/14 G-Way: We have never had to do a separate tune up procedure. The information would be identical. I can extract those pages, name it Tune Up Procedure and send it as a separate document if you like. It's an exercise in futility but whatever it takes to get through this process.

10/31/14 – DW: Customer will provide separate doc shortly.
11/2/14 – G Way: Provided tune up procedure.

4--In the external photos file the front picture of the EUT is very blurry. Please consider retaking the photo.

10/27/14 G-Way: We will update the picture when we receive the units in house, I believe they were only released from your lab on Friday and have not yet received the units here.

STILL WAITING FOR UNIT...

10/30/14 SM_ still needs to be addressed.

10/30/14 G-Way: Will be.

10/31/14 G-Way: Updated photos provided.

5--The output power of the EUT is rated at 36dBm per the user's manual and other documents however the maximum power reported in the EMC report is 33dBm. Please address.

10/27/14 G-Way: 1dB compression point- is parameter of linearity of the amplifier. But I understand your point.

10/30/14 Sm_ needs to be addressed.

10/30/14 G-Way: This has already been addressed in the latest revision. Please advise what page you are referring to because I'm not sure what you're talking about.

6--There does not appear to be any intermodulation data provided in the test report to demonstrate compliance to this requirement.

10/28/14_CT: Intermodulation data has been added to the test report.

RTs IC

7--There are several line items missing information in the Industry Canada application.

10/28/14_CT: The CB 7.2.1 form has been updated.

8--RSS-102 does not address the higher gain Yagi antenna.

10/28/14_CT: the YAGI antenna listed on the antenna datasheet has been added to the RSS-102 test report.

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10/30/14 SM_The high gain antenna per the user's manual has not been addressed.
10/31/14 – G-Way: Updated manual provided.

9—SM 11/3/14: they will require a label identifying if this is class A or B

11/6/14 – G-Way: Updated Label and Manual.

Response by: Greg Corbin

Submitted by:

Date:

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