

Response to TCB Findings

1. *Clarifications are required on the document that explains the modifications performed. Please provide more details of all the modifications listed in that document.*

Please see our elaboration / response as per your request...

Re-layout / design of the internal Digital Circuit Board NTE311AA, now revision NTE311AB to accommodate and Improve functionality with the following changes:

1) Temperature Compensation Circuit added

- Added transistors and control for thermal management related to cold start conditions

2) CPLD added

- Added for board reset functionality

3) Clock Dither Circuit implemented (was previously barnacled to NTE301AA)

- This circuit was previously implemented on the first release but was an add on barnacle to the PCB layout

- It has now been fully integrated onto the circuit board design

4) NTE312AA Radio RF filter change

- This is a component change wrt the NTE324AA RF Filter to reduce the physical size of the Radio filter - New Rev. NTE324AB

- The first release incorporated a micro strip filter design (NTE324AA) while this implementation (NTE324AB) incorporates a discrete OEM ceramic filter which is FFF (Form Fit and Function)

- The NTE324AB mates with the NTE312AA (802.11a Radio) RF output which mounts on the NTE311AB,

5) Added Radio mechanical supports

- Added to improve the mechanical integrity of the radio card support

Also, please find attached the Bill of Materials and photo of the RF Filter NTE324AB

2. *Are all the modifications listed in the document performed on NTE311AA card only? Please clarify.*

Modifications are mainly a re-layout activity of the NTE311AA PCB to accommodate the circuitry and functionality described in the Permissive Change Explanation.

A filter associated with the NTE312AA (802.11a Radio) / NTE311AB Assembly was upgraded as described above. This was a component size and cost reduction activity.

3. *Are there any modifications performed on the 802.11a radio module? If so please specify what they are in details.*

The only impact to the 802.11a radio is the attached filter component as mentioned above, which attaches to output path of the Radio Module.

The filter design is Form, Fit and Function compliant.

4. *Does the NTE311AA card correspond to WDB module of the original application (As seen in the block diagram supplied for that application)*

Yes, now documented as revision NTE311AB