

William Graff

From: Carrington, Jr., James [James_Carrington@dtccom.com]
Sent: Wednesday, November 23, 2005 11:52 PM
To: 'William Graff'
Cc: marianne@atcb.com; Murphy, Michael
Subject: RE: www.AmericanTCB.com ATCB002782 | H25PDTX100S | H25PDTX100S_ATCB002782

Bill,

Here are the responses to your comments:

1.) Kindly provide some information indicating how the intended marketing of this device will be limited to law enforcement operations in the 2450 - 2483.5MHz band.

Short answer - Company Policy. To quote from our website www.dtccom.com,

"A full product catalog, printed or in CD format, is available upon request to sworn law enforcement and active military personnel. All requests must include agency, name, rank, address, phone number and email contact information. DTC will verify user information provided."

Long answer - It's interesting you should bring this up. One of the reasons it has taken so long to complete the application is that we have been going through an extensive re-organization. One of the goals is that we are trying to achieve is to become an OEM supplier to companies that build remote surveillance systems, not necessarily government agencies. I noticed the marketing attestation you are referring to while building the application package for another similar product and brought it to the attention of senior management. I have been instructed to upload an amended version which you should see as attestationsV2.doc.

2.) The Manual for this RF category "Mobile" device provides no installation instructions as to how maintaining 20cm spacing between the antenna and all persons should be achieved. Please correct this oversight.

It seems that we have run into a problem here. I prepared the application based on information from our company president that stipulated the device was to be 'portable'. While checking into user manual verbiage, I was informed that our sales people have been telling customers, and providing demonstrations, that the device will be body worn. Yes, I can see your eyebrows raised, as mine were when I heard this. I

elevated the issue back to the president and am waiting for a decision. In the meantime, could you please tell me what changes will need to be done to the application _if_ I need to get bodyworn certification? The only changes I can think of are the manual and 731 form. It appears that we'll need to get SAR testing done as 60/Fr(GHz) shows a max output of <24mW. Can you confirm this?

3.) Kindly explain how you derived the requested emission designator.

Sorry, forgot to include that in the upload. It should be there as emmdes.doc by the time you read this.

4.) Rule 2.1033(c)(8) requires the voltage and current draw at the final amplification stage should be supplied for any Licensed radio transmitter. Please correct.

The test data covered that rather thoroughly, I thought. An excerpt:

"Due to the integrated nature of the UUT, it is impractical to perform this test while monitoring the specific current draw to the final power amplifier. Therefore the amplifier was disabled to record the quiescent current consumption, then the difference calculated. The quiescent values proved to be frequency independent, and are noted in Figure 1."

The data then goes on to show the relationship of supply voltage to current consumption. The final PA is driven by a 5 volt regulator on the PCB. The only change I could see applying would be to more clearly define the voltage regulation to the final PA in the functional description. Is that what you are interested in?

James Carrington
DSP Engineering Technician
DTC Communications, Inc.
486 Amherst St.
Nashua, NH 03063
Phone: 603.546.2182 Fax: 603.880.6965
E-Mail: james_carrington@dtccom.com

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