

**Doug Noble**

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**From:** Louis A. Feudi [lfeudi@ustech-lab.com]  
**Sent:** Tuesday, December 19, 2006 12:59 PM  
**To:** dnoble@americantcb.com  
**Subject:** RE: www.AmericanTCB.com ATCB004103 | L2V-STAMP1 | 3989A - STAMP1 | | L2V-STAMP1\_ATCB004103

[See Answers below](#)

Thanks,

Lou

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**From:** Doug Noble [mailto:dnoble@atcb.com]  
**Sent:** Monday, November 27, 2006 11:23 PM  
**To:** lfeudi@ustech-lab.com  
**Subject:** www.AmericanTCB.com ATCB004103 | L2V-STAMP1 | 3989A - STAMP1 | | L2V-STAMP1\_ATCB004103

Regarding www.AmericanTCB.com application:

ATCB ID: ATCB004103

FCC ID: L2V-STAMP1

IC: 3989A - STAMP1

TCF:

Account name: usbesttech

Hi Lou,

Please see comments below. Please answer each question so we can get on the same page on this application.

1. Something is up with labeling...Why 2 FCC ID's and 2 Certification Numbers? Additionally, if 2 are listed, then they each should be preceded by "FCC ID: or IC:" or in the case of modular approval, the correct phrasing....Lastly if both are not fully appropriate, then one should be removed.

[Louis A. Feudi]

The unit contains a modular Transceiver, L2V-STX-2-1, and has an [integrated](#) SLOW hopping Transceiver. Therefore the label will state "Contains FCC ID# L2V-STX-2-1" "Contains IC:3929A-STX21" and FCC ID: L2V-STAMP1 and IC 3929A-STAMP1. The STAMP is the integrated transmitter, so the label does not state "Contains.....".

2. Test report lists a transmitter that is not listed....FCC ID: L2V-STX-2-1 Please have U.S. Tech investigate or correct.

[Louis A. Feudi]

[The L2V-STX-2-1 is an approved Module. See 3 below.](#)

3. It appears the other transmitter is modular approved. However the device is not properly labeled for the modular TX.

[Louis A. Feudi]

The label has been changed to reflect 1 ("Contains....") .

4. Test report states "spread spectrum" transmitter...Is this correct?  
[Louis A. Feudi]

It is a slow hopping spread spectrum transmitter. However, the hop sequence does not meet FHSS requirements, and the output power is low, so the client elected to go the "Low Power transmitter" approval route.

5. Duty cycle mixes up us, ms and does not appear to factor over worse case 100 msec. Please have this review/adjusted for consistency. Given the number of incorrect application of units, it is uncertain what is correct.  
[Louis A. Feudi]

583 microseconds is the transmission length of time. This occurs every .75 seconds. I have changed the report to reflect 0.583 milliseconds (ms). I have calculated the duty cycle correction to 100ms. The revised report is uploaded.

6. Where is data to support duty factors?  
[Louis A. Feudi]

An email from Axonn was provided as confirmation of the duty cycle. This has been acceptable for the last 3 applications submitted to ATCB.

7. Bandwidth should be measured with VBW  $\geq 3 \times$  RBW (especially for 99% for IC). This does not appear correct.  
[Louis A. Feudi]

Bandwidth was rechecked and no discernible difference was seen between 1 MHz and 3 MHz VBW.

8. Power on IC lists 84.8 dBuV/m...or 17572.8 uV ..Where is this from? Test report appears to suggest a 90.9 dBuV/m level and other levels appear around 89 dBuV.  
[Louis A. Feudi]

The IC form has been corrected and uploaded.

Thanks,

Doug

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