

From: Mike Kuo
Sent: Friday, July 27, 2001 12:07 PM
To: 'tai-cheng huang'
Subject: RE: Paten Wireless Technology Inc.,FCC ID:O3L-PD-0010502,AN01T1422

Dear Mr. Huang:

Your reply to question #1: Loop antenna has to be used to measure Field Strength below 30MHz. This requirement has not been changed by FCC. The FCC ID number you referenced is a mistake made by FCC. If I use the previous granted application to request FCC to explain why the application was granted on last year can use biconilog antenna for below 30 MHz measurement, that application will be dismissed or request you to provide additional technical data.

Even though your biconilog antenna can be calibrated below 30 MHz, FCC will not accept the test data with biconilog for below 30MHz measurement. This is not the first time that test lab try to use biconilog for below 30 MHz measurement, FCC rejected every time.

As result, my number 1 question still remains unchanged.

Your reply to Question #4: The request for bandwidth plot is not to show the field strength requirements to 15.209 requirements. You have provided spurious emission data already. The purpose to request bandwidth plot is to make sure the bandwidth of fundamental frequency is not felled into the restricted band as indicated in 15. 205(a). This is one of items that FCC requires all TCB to make the spectrum plot is provided within the application. As result, my questions #2 remains unchanged.

Best Regards

Mike Kuo / TCB Certifier

-----Original Message-----

From: tai-cheng huang [mailto:taifa@ms9.tisnet.net.tw]

Sent: Friday, July 27, 2001 9:23 AM

To: MikeKuo@CCSEMC.com

Subject: RE:Paten Wireless Technology Inc.,FCC ID:O3L-PD-0010502,AN01T1422

Dear Mike Kuo:

I am the EMI test engineer of FCC ID:O3L-PD-0010502 application. My name is Tai cheng huang .Thank you for your e-mail of July 25,2001.I knew it from Joe hsieh.I would like to confirm Question#1 ,Question#4.

Question#1:As test report indicated,there is no loop antenna was used during the tests.Since the fundamental frequency is below 30 MHz,loop antenna has to be used for below 30 MHz measurements.Please submit new test data,setup photo,and measuring antenna information.

Reply:I used biconilog antenna(Schwarzbeck,model:9160) for the fundamental emission in the measurement,
because it can be used in the frequency range from 25 MHz to 2000 MHz.Last year we have applied for another similar wireless mouse FCC ID:O3LPT-2000-6789and have got the grant.

Question#4:Please sumit a bandwith plot to show bandedge compliance.

Reply:According to 15.227(b) The field strength of any emission which appear outside of this band shall not exceed the general radiated emission limit in 15.209,there is no bandwidth requirement.Do you mean to ensure the outband emission meet 15.209 requirement?

Your prompt reply will be most appreciated.Thank you.

Sincerely yours,

Tai cheng huang <mailto:terry@etc.org.tw> and taifa@ms9.tisnet.net.tw
EMI test engineer of EMC Department
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