

## Rich Fabina

---

**From:** 許碧月 [agatha\_h@ietc.com.tw]  
**Sent:** Thursday, September 03, 2009 5:20 AM  
**To:** Rich Fabina  
**Cc:** Chen JT (陳榮達); Major Chen; Ted Clement; Liu Jerry (劉承豐)  
**Subject:** Re: [www.AmericanTCB.com](http://www.AmericanTCB.com) ATCB008046 | ELVATIC | | ELVATIC\_ATCB008046

Dear Rich Fabina:

1. The test report states that this device is a 1 channel device but the user manual states that this device is a 7 channel device. Please clarify this discrepancy by providing a more detailed operational description of the operation and programming of this transmitter. (I'm assuming that this transmitter does not operate on 7 different channels (frequencies) and it is not programmable but it is actually the receiver in the automobile that is being programmed by following the user manual instructions).

**Ans:** During the test we have verified this device "only" use 433.92MHz single frequency to transmit signal. The user manual states the 7 channels. Actually it means 7 different "pulse train" or codes for this device to remote control receiver device.

2. The user manual shows that the 7 channels are obtained by using the pulses generated by pressing each button individually and in combination with each another button. This results in 7 different pulse trains or channels (I'm assuming that). Please confirm that the worst case duty factor of -10.08 dB was determined from all 7 different channels (pulse trains) of operation available in this transmitter.

**Ans:** Additional test on EUT to verify each pulse trains has been perform. The worst case have been confirmed which is 20dB bandwidth at 54kHz and the average factor at -10.08dB. Those additional information has been upload to website.

3. Please confirm that the worst case transmitter bandwidth of 54 kHz was measured from the 7 different channels (pulse trains) available in this transmitter

**Ans:** please see answer to #2

If you have any question,

Please don't hesitate to contact me. Thanks!  
Interocean EMC Technology Corp.

宇海科技股份有限公司  
許碧月 (Agatha Hsu) 文件組  
Tel: 886-2-2600 6861 ext.325  
Fax: 886-2-2600 6859  
E-mail: [agatha\\_h@ietc.com.tw](mailto:agatha_h@ietc.com.tw)

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

**From:** Rich Fabina  
**To:** [agatha\\_h@ietc.com.tw](mailto:agatha_h@ietc.com.tw) ; [bob\\_f@ietc.com.tw](mailto:bob_f@ietc.com.tw) ; [jt\\_c@ietc.com.tw](mailto:jt_c@ietc.com.tw) ; [benson\\_t@ietc.com.tw](mailto:benson_t@ietc.com.tw) ; [jerry\\_l@ietc.com.tw](mailto:jerry_l@ietc.com.tw) ; [marx\\_y@ietc.com.tw](mailto:marx_y@ietc.com.tw) ; [wilson\\_c@ietc.com.tw](mailto:wilson_c@ietc.com.tw) ; [harriet\\_g@ietc.com.tw](mailto:harriet_g@ietc.com.tw) ; [kety\\_h@ietc.com.tw](mailto:kety_h@ietc.com.tw) ; [anya\\_l@ietc.com.tw](mailto:anya_l@ietc.com.tw)  
**Cc:** [customerservice@atcb.com](mailto:customerservice@atcb.com)  
**Sent:** Thursday, August 27, 2009 3:02 AM  
**Subject:** [www.AmericanTCB.com](http://www.AmericanTCB.com) ATCB008046 | ELVATIC | | ELVATIC\_ATCB008046

Regarding [www.AmericanTCB.com](http://www.AmericanTCB.com) application:

ATCB ID: ATCB008046

FCC ID: ELVATIC

IC:

TCF:

Account name: Interocean

The attached contains a request for additional information on the above referenced application.

Rich Fabina

Examining Engineer

American TCB

email: [rfabina@atcb.com](mailto:rfabina@atcb.com)

USA direct phone: 703-635-2881

USA Corporate: 703-847-4700

USA Corporate fax: 703-847-6888