

**FROM:**  
**RETLIF TESTING LABORATORIES,**  
**GOFFSTOWN, NH**

Friday, December 04, 1998

J.MONAHAN

FAX: 603-497-5281

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**TO: FCC APPLICATIONS PROCESSING BRANCH.**

**ATTENTION: J. Dichoso**

**REFERENCE: INFORMATION REQUEST**

**731 CONFIM NUMBER: EA92165 APPLICANT ORTHOVOX**

**FCC ID: KF5ORTHOVOXM1**

**CORRESP. NUMBER: 4798**

1. A request for confidentiality was filed with the application,
2. The schematic and block were under separate cover, with a cover letter, and were included in the same package as the Application. Copies of both items are on file at RETLIF test lab and can be sent to you. I am not sure that the confidentiality is maintained if the items are sent by FAX. They can be mailed.
3. The transmitter operating cycle is longer than 0.1 sec. There is no factor to add to the Peak readings of the fundamental.
4. The RBW and VBW were maintained at the levels and with the reference required.

**ADDITIONAL INFORMATION FOR ITEMS 3 & 4  
IS ON PAGE : FOLLOWING**

total pages including this one.....2.....

**PAGE # 2****ADDITIONAL INFORMATON FOR ITEMS 3 & 4**

3. The transmitter operation cycle was more than 0.1 msec therefore per 15.35 c) the field strength from the average absolute voltage during a 0.1 msec interval where the emission signal is maximized is taken using the average detector function without any pulse factor.
4. The transmitter fundamental frequency of 457 kHz and the requirements of 15.33 require measurements at frequencies which are all below 30MHz. The RBW requirement for emission measurements on frequencies up to 30 MHz is for a RBW of 10kHz or lower. The VBW is required to be no lower than the the RBW regardless of the frequency.

For testing of the transmitter the following were used;

DETECTOR	RBW	VBW	FREQ. kHz
peak	9kHz	30kHz	457
q-peak	9kHz	30kHz	457
avg	9kHz	10kHz	457

Please contact Retlif Testing Laboratories @  
phone 603- 497- 4600  
fax 603- 497- 5281

# RETLIR TESTING LABORATORIES

## TABULAR DATA SHEET

**TEST METHOD:**

### RADIATED FIELD STRENGTH

**CUSTOMER:**

**ORTOVOX** USA, INC.

**JOE No.:**

R-238GN

**TEST**

## TRANSCENER

**SAMPLE:**

FCC ID: KF50RTDVOXMI

MODEL No.:

# AVALANCHE

**SERIAL No.:**



(tS)

FCC RULES SECTION 15.209

**SPECIFICATION:**

**PARAGRAPH:**

## OPERATING

**NORMAL OPERATION - CONSTANT TRANSMIT**

MODE.

TECHNICIAN:

T. Hurneyan

DATE:

**8 28,99**

**NOTES:**

EUT EVALUATED AT 1M AND FINAL TEST PERFORMED AT 3M. EUT EMISSION LEVELS CONVERTED TO 300M READINGS

FUT FREQUENCY	MEASURED FREQUENCY	METER READING	CORRECTED READING	CONVERTED READING	LIMIT @ 300M
Nr	MHz	dBV	dBμV/M	μV/M	μV/M
		PEAK	PEAK	PEAK	AVERAGE
457.0	457.0	-29.8	-41	.008912	5.25
	914.0				
	1370.0	AT 3 METER			
	1827.0	DISTANCE ONLY			
	2284.0	THE FUND. FREQ WAS EASILY OBSERVED.			
	3198.0				
	3655.0				
	4112.0				
	4569.0				
NOTE:	The corrected reading is the combination of the meter reading plus the antenna factor plus 40 dB/decade distance factor				

DATA SHEET **1** OF **17**

**Report No.: R-2393N**

