



communications

Environmental Test Laboratory
640 North 2200 West
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(801) 594-2349 Fax (801) 594-3247

06 August 2004

**CERTIFICATION OF TESTING ACCOMPLISHED
FOR DIGITAL ALERT SYSTEMS**

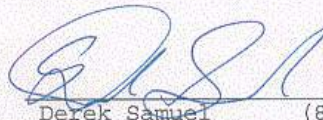
On August 6, 2004, one EAS ENCODER/DECODER was placed in a humidity chamber and subjected to temperature and humidity cycling per engineering instruction. Audio output voltage and frequency measurements for 960hz and 853hz were performed at the temperature and humidity extreme setpoints of 0 degrees/50 degrees and 10%/95% relative humidity. Deviations in relative humidity were allowed at time of voltage/frequency testing as noted in operator log, by engineering request. Encoding/decoding were performed by running a continuous encoding loop from one encoder output into a decoder input.

Following the temperature/humidity test, voltage variation tests were performed.

Encoding/decoding operations were successfully performed throughout the environmental test period. Diagnostic textual output was created during the encoding/decoding testing.

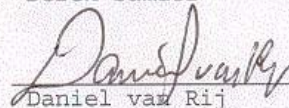
APPROVALS:

ENVIRONMENTAL TEST ENGINEER:


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COMMUNICATION SYSTEMS - WEST

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ENVIRONMENTAL TEST LABORATORY

DATE: 08/06/04

Phone (801) 594-2323

OPERATOR LOG

CUSTOMER COMPANY: DIGITAL ALERT SYSTEMS		CUSTOMER COMPANY ADDRESS:	
CUSTOMER COMPANY CONTACT: Tom Wood		PHONE / EXT.: 801-272-0418	
JOB NO.: 4HMC042	TEST ITEM(S): EAS ENCODER/DECODER	P/N: DASDEC-1EN	S/N: 001
EQUIP. / DUE DATE: 7800 # 002502 (05/29/2005) FLUKE # 022052 (01/11/2005)			TEMP. LIMITS: /
TEST REQUIREMENTS: TEST PER C.I. 05/50°C; 10%/95%RH			

DATE	TIME	PARAM	PARAM	CHRONOLOGICAL RECORD OF TEST EVENTS	INITIALS
MM/DD	----				
				STEP TEMP RH TIME AUX	
				1 23° 10% 0:01:00	
				2 50° 10% 0:03:00 7	
				3 50° 95% 0:10:00 7	
				4 50° 95% 0:10:00 7	
				5 35 10% 95% 0:02:00 7	
				6 35 10% 10% 0:20:00 7	
				7 0° 10% 0:04:00 6	
				8 0° 10% 0:10:00 6	
				9 23° 10% 0:03:00 7	
				10 23° 10% 99:00:00	
				Verified <i>BS</i>	
08/06	1003			Test start.	<i>BS</i>
	1016	50.1°	15.5%	Placed on hold to reach setpoints.	<i>BS</i>
	1052	90.2%	500°	Following profile. Released program.	<i>BS</i>
	1054	50.0°	89.3%	Placed on hold to reach setpoint.	<i>BS</i>

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OPERATOR LOG

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