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RADIATED EMISSION TEST REPORT

PART 74 WIRELESS MICROPHONE

APPLICANT	ZAXCOM, INC.
	230 WEST PARKWAY UNIT 9
	POMPTON PLAINS, NJ 07444
FCC ID	PR6TRX
MODEL NUMBER	TRX900, TRX900AA
PRODUCT DESCRIPTION	WIRELESS MICROPHONE
DATE SAMPLE RECEIVED	APRIL 19, 2006
DATE TESTED	APRIL 24, 2006
TESTED BY	Joseph Scoglio
APPROVED BY	Mario de Aranzeta
TIMCO REPORT NO.	797UT6
TEST RESULTS	☒ PASS ☐ FAIL

**THE ATTACHED REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL OF TIMCO ENGINEERING, INC.**



Certificate # 0955-01



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**GENERAL INFORMATION****EUT SPECIFICATION**

The test results relate only to the items tested.		
Special Note about EUT Configuration	N/a	
FCC ID	PR6TRX	
Model Number	TRX	
Serial Number	N/A	
Product Description	Wireless Microphone	
Operating Frequency	662 – 668 MHz	
Max. output power	34 mW	
Type of Modulation	FSK	
EUT Power	<i>Primary Power</i>	Battery Powered
	<i>Secondary Power</i>	N/A
Test Item	☒ Prototype	
	☐ Pre-Production	
	☐ Production	
Type of Equipment	☐ Fixed	
	☐ Mobile	
	☒ Portable	
Antenna	N/A	
Antenna Connector	N/A	

MODIFICATION TO THE DUT

No modification was made to the DUT during testing.

TEST CONDITIONS

Normal temperature and humidity.

TEST SUPPORTING EQUIPMENT

N/A

APPLICANT: ZAXCOM, INC.

FCCID: PR6TRX

REPORT: Z\ZAXCOM\797UT6\797UT6TestReport.doc



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TEST EXERCISE (e.g software *description*, test signal, etc.)

The EUT was set in continuous transmit mode of operation.

TEST STANDARDS ANSI C63.4 - 2003, TIA/EIA 603



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**EMC EQUIPMENT LIST**

Device	Manufacturer	Model	Serial Number	Cal/Char Date	Due Date
3/10-Meter OATS	TEI	N/A	N/A	Listed 3/27/04	3/26/07
3-Meter OATS	TEI	N/A	N/A	Listed 1/11/06	1/10/09
Biconnical Antenna	Eaton	94455-1	1057	CAL 12/12/05	12/12/07
Biconnical Antenna	Eaton	94455-1	1096	CAL 8/17/04	8/17/06
Biconnical Antenna	Electro-Metrics	BIA-25	1171	CAL 4/29/05	4/29/07
Blue Tower Quasi-Peak Adapter	HP	85650A	2811A01279	CAL 4/13/05	4/13/07
Blue Tower RF Preselector	HP	85685A	2926A00983	CAL 9/5/05	9/5/07
Blue Tower Spectrum Analyzer	HP	8568B	2928A04729 2848A18049	CAL 4/13/05	4/13/07
LISN	Electro-Metrics	ANS-25/2	2604	CAL 8/27/04	8/27/06
LISN	Electro-Metrics	EM-7820	2682	CAL 4/28/05	4/28/07
Log-Periodic Antenna	Eaton	96005	1243	CAL 12/14/05	12/14/07

RADIATED SPURIOUS EMISSIONS

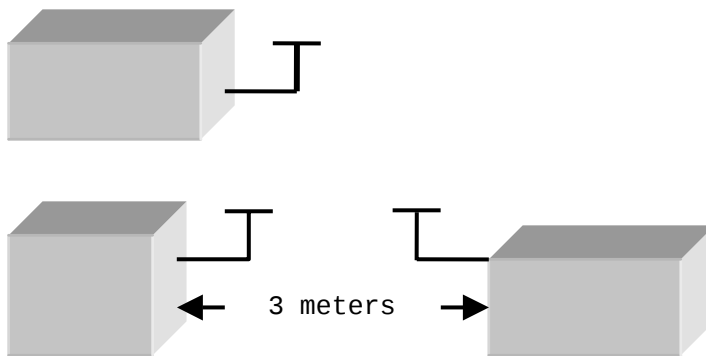
FCC RULE PART: Part 74, Part 2.1053

REQUIREMENTS: Emissions must be $43 + 10 \log(P_o)$ dB below the mean power output of the transmitter.

$$43 + 10 \log(0.04) = 29.02 \text{ dB}$$

METHOD OF MEASUREMENT: The procedure used was TIA/EIA STANDARD 603. The spectrum was scanned from 30 to at least the tenth harmonic of the fundamental using a HP model 8566B spectrum analyzer and an appropriate antenna.

TEST SETUP:



TEST DATA: See below



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Emission Frequency MHz	Ant. Polarity V/H	dB Below Carrier (dBc)
662.00	V	0
1324.00	H	59.669
1324.00	V	49.469
1986.00	H	62.501
1986.00	V	57.701
2648.00	H	73.762
2648.00	V	72.862
Emission Frequency MHz	Ant. Polarity V/H	dB Below Carrier (dBc)
674.00	V	0
1348.00	H	57.23
1348.00	V	43.63
2022.00	H	64.58
2022.00	V	59.68
2696.00	H	65.78
2696.00	V	68.68
Emission Frequency MHz	Ant. Polarity V/H	dB Below Carrier (dBc)
686.00	V	0
1372.00	H	62.49
1372.00	V	47.29
2058.00	H	75.92
2058.00	V	69.32
2744.00	H	65.99
2744.00	V	70.79

RADIATED EMISSIONS TEST SET UP PHOTO

