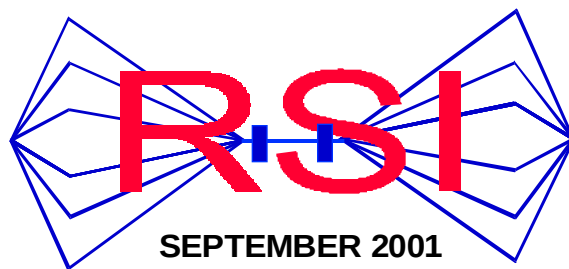


RUBICOM SYSTEMS, INC.



**FCC TEST REPORT
(INTENTIONAL RADIATOR)
FOR THE
ROCKWELL COLLINS, INC.
VHF-4000 COMMUNICATIONS TRANSCEIVER
(118-137MHz)**



Rubicom Systems, Inc.
284 West Drive, Suite B
Melbourne, FL 32904

THIS REPORT SHALL NOT BE REPRODUCED
EXCEPT IN FULL WITHOUT THE WRITTEN
APPROVAL OF THE TESTING LABORATORY

FCC TEST REPORT
(INTENTIONAL RADIATOR)
FOR THE
ROCKWELL COLLINS, INC.
VHF-4000 COMMUNICATIONS TRANSCEIVER
(118-137MHz)
S/N: FBLF

PART 7

Prepared by: _____
Joseph G. Barbee

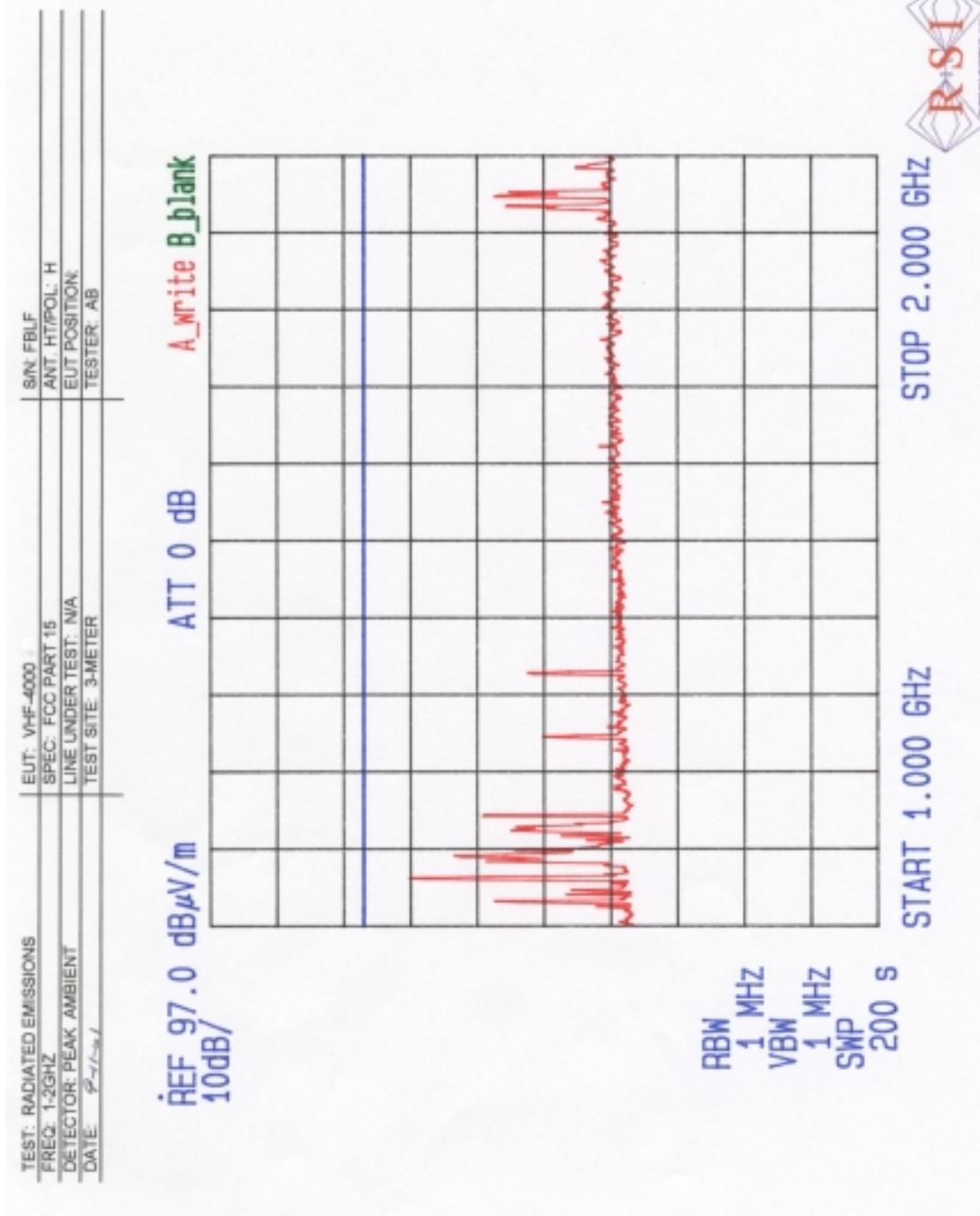
Tested by: _____
Alex Belardinelli

Performed by:
RUBICOM SYSTEMS, INC.
284 West Drive, Suite B
Melbourne, Florida 32904

Performed for:
ROCKWELL COLLINS, INC.
1100 W. Hibiscus Blvd.
Melbourne, Florida 32901

Received: September 9, 2001

Completed: September 12, 2001

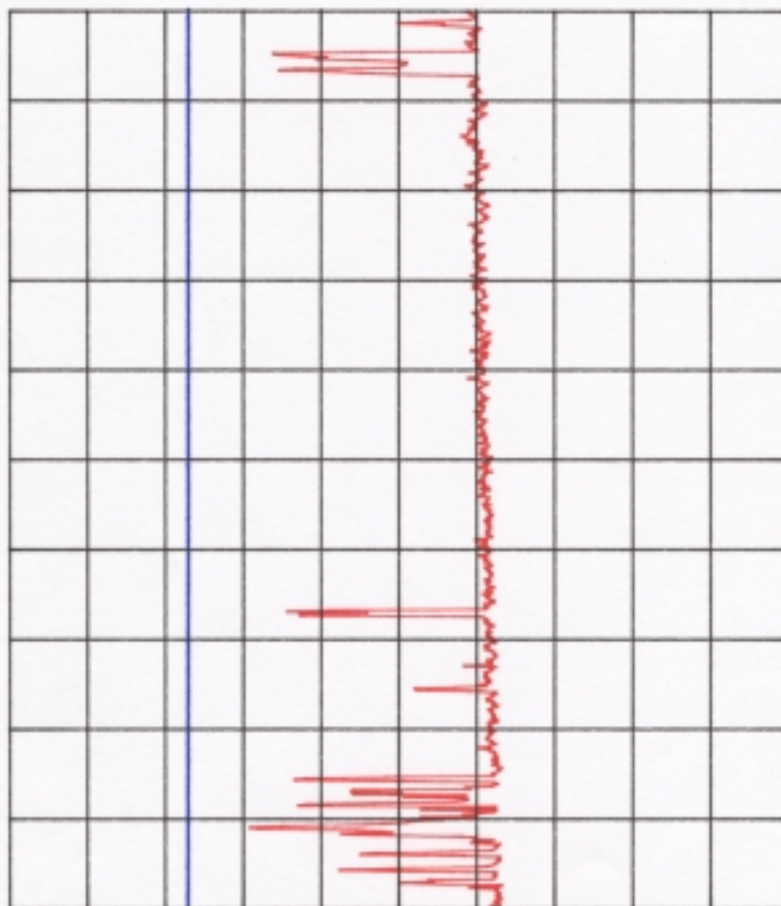


TEST: RADIATED EMISSIONS	EUT: VHF-4000	SIN: FBLF
FREQ: 1-2GHZ	SPEC: FCC PART 15	ANT. HT/POL: V
DETECTOR: PEAK AMBIENT	LINE UNDER TEST: N/A	EUT POSITION:
DATE: 8-11-08	TEST SITE: 3-METER	TESTER: AB

REF 97.0 dB μ V/m
10dB/

ATT 0 dB

A_write B_blank



RBW 1 MHz
VBW 1 MHz
SWP 200 s

START 1.000 GHz

STOP 2.000 GHz



Data Sheet - Conducted Harmonic Emissions (TX Mode)

Type Number: VHF-4000	Serial Number: FBLF
Date Tested: 09/10/01	Tested By: Rubicom Systems, Inc.
Operating Frequency: 118MHz	

Spurious Output Frequency (MHz)	Test Antenna Level (dBμV)	Spurious Level (dBμV)	Margin (dB)	Requirement (dBμV)
118	148.4			
236	"	82.8	-22.9	105.4
354	"	NF 79.9	-25.5	"
472	"	NF 80.1	-25.3	"
590	"	NF 80.3	-25.1	"
708	"	NF 80.1	-25.3	"
826	"	NF 79.9	-25.5	"
944	"	NF 80.8	-24.6	"
1062	"	NF 80.2	-25.2	"
1180	148.4	NF 80.1	-25.3	105.4

Data Sheet - Conducted Harmonic Emissions (TX Mode)

Type Number: VHF-4000	Serial Number: FBLF
Date Tested: 09/10/01	Tested By: Rubicom Systems, Inc.
Operating Frequency: 127MHz	

Spurious Output Frequency (MHz)	Test Antenna Level (dBμV)	Spurious Level (dBμV)	Margin (dB)	Requirement (dBμV)
127	147.4			
254	"	82.2	-21.2	103.4
381	"	NF 80.4	-23.0	"
508	"	NF 79.8	-23.6	"
635	"	NF 79.9	-23.5	"
762	"	NF 80.4	-23.0	"
889	"	NF 79.9	-23.5	"
1016	"	NF 80.3	-23.1	"
1143	"	NF 80.6	-22.8	"
1270	147.4	NF 80.0	-23.4	103.4

DATA SHEET 6.2-1

Data Sheet - Conducted Harmonic Emissions (TX Mode)

Type Number: VHF-4000	Serial Number: FBLF
Date Tested: 09/10/01	Tested By: Rubicom Systems, Inc.
Operating Frequency: 136MHz	

Spurious Output Frequency (MHz)	Test Antenna Level (dBμV)	Spurious Level (dBμV)	Margin (dB)	Requirement (dBμV)
136	147.2			
272	"	81.9	-22.3	104.2
408	"	NF 80.4	-23.8	"
544	"	NF 79.9	-24.3	"
680	"	NF 79.7	-24.5	"
816	"	NF 80.1	-24.1	"
952	"	NF 79.7	-24.5	"
1088	"	NF 80.1	-24.1	"
1224	"	NF 80.5	-23.7	"
1360	147.2	NF 80.5	-23.7	104.2

Data Sheet - Conducted Harmonic Emissions (TX Mode)

Type Number: VHF-4000	Serial Number: FBLF
Date Tested: 09/10/01	Tested By: Rubicom Systems, Inc.
Operating Frequency: 136.975	

Spurious Output Frequency (MHz)	Test Antenna Level (dBμV)	Spurious Level (dBμV)	Margin (dB)	Requirement (dBμV)
136.975	150			
273.95	"	88.56	-18.44	107
410.925	"	NF 78.8	-28.2	"
547.9	"	NF 78.8	-28.2	"
684.875	"	NF 80.13	-26.87	"
821.85	"	NF 78.59	-28.41	"
958.825	"	NF 79.47	-27.53	"
1095.8	"	NF 79.06	-27.94	"
1232.775	"	NF 78.13	-28.87	"
1369.75	150	NF 79.44	-27.56	107

DATA SHEET 6.2-2

Data Sheet - Conducted Harmonic Emissions (TX Mode)

Type Number: VHF-4000	Serial Number: 74YY
Date Tested: 09/10/01	Tested By: Rubicom Systems, Inc.
Operating Frequency: 136.975MHz Mode II	

Spurious Output Frequency (MHz)	Test Antenna Level (dBμV)	Spurious Level (dBμV)	Margin (dB)	Requirement (dBμV)
136.975	150			107
273.95	"	88.56	-18.44	"
410.925	"	NF 78.8	-27.22	"
547.9	"	NF 78.8	-28.6	"
684.875	"	NF 80.13	-26.88	"
821.85	"	NF 78.59	-28.41	"
958.825	"	NF 79.47	-27.53	"
1095.8	"	NF 79.06	-27.94	"
1232.775	"	NF 78.13	-28.88	"
1369.75	150	NF 79.44	-27.56	107

DATA SHEET 6.2-3

APPENDIX A
COMPLIANCE LETTER

FEDERAL COMMUNICATIONS COMMISSION
Laboratory Division
7435 Oakland Mills Road
Columbia, MD. 21046

December 16, 1999

Registration Number: 90911

Rubicom Systems, Inc.
284 West Drive, Suite B
Melbourne, FL 32904

Attention: Joseph Barbee

Re: Measurement facility located at Melbourne
3 meter site
Date of Listing: December 16, 1999

Gentlemen:

Your submission of the description of the subject measurement facility has been reviewed and found to be in compliance with the requirements of Section 2.948 of the FCC Rules. The description has, therefore, been placed on file and the name of your organization added to the Commission's list of facilities whose measurement data will be accepted in conjunction with applications for Certification under Parts 15 or 18 of the Commission's Rules. Please note that this filing must be updated for any changes made to the facility, and at least every three years from the date of listing the data on file must be certified as current.

If requested, the above mentioned facility has been added to our list of those who perform these measurement services for the public on a fee basis. An up-to-date list of such public test facilities is available on the Internet on the FCC Website at WWW.FCC.GOV, E-Filing, OET Equipment Authorization Electronic Filing.

Sincerely,



Thomas W Phillips
Electronics Engineer