

Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	Standard	FCC 515-247
EUT:	Antenna 1 on 500 mw C-radio	S/N #:		Units	11
Project #:	J99013298	Test Date:	May 24 1999	Test Distance	3
Test Mode:	xmit 2402 500mw	Engineer:	Barry S.	Duty	0
				Relaxation	dB

	Antenna Loss			Pre-Amp Loss			Cable Loss			Transducer Used
Number	8	7	17	8	12	10	12	0	0	0
Model	EMCO A118	EMCO A118	EMCO A118	GC-100 0	ALC 40	ALC1845	GC-101	40m	10m	None

[illegible]

Notes

- a) D.C.F.:Distance Correction Factor
- b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
- c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
- d) Negative signs (-) in Margin column signify levels below the limits.
- e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radiated Emissions

Test Data

Company:	Symbol	Model #:	LA-3021-500-US	
EUT:	Antenna 1 on 500 mw C-radio	S/N #:		11
Project #:	J99013298	Test Date:	May 24 1999	3
Test Mode:	xmit 2480 500mw	Engineer:	Barry S.	0

	A	B	C	D	E	F	G	H	I	J
10-8-	8	7	17	8	12	10	12	0	0	0
TOTEN										

[illegible]

a) D.C.F.:Distance Correction Factor
b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
d) Negative signs (-) In Margin column signify levels below the limits.
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Radiated Emissions Test Data

Company: Symbol	Model #: LA-3021-500-US	Page: 11
EUT: Antenna 2 on 500 mw C-radio	S/N #:	11
Project #: J89013298	Test Date: May 13 1999	3
Test Mode: xmit 2440 500mw	Engineer: Barry S.	0

[illegible][illegible]

Notes	a) D.C.F.:Distance Correction Fador
	b) Insert Loss (dB) = Cable A + Cable B + Cable C .
	c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert Loss. - Transducer Loss - Duty Relaxation (transmitter only).
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Radiated Emissions

Company:	Symbol	Model #:	LA-3021-500-US	
EUT:	Antenna 2 on C-radio	S/N #:		11
Project #:	J99013298	Test Date:	May 24 1999	3
Test Mode:	xmit 2480 500mw	Engineer:	Barry S.	0

8	7	17	8	12	10	12	0	0	0
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[illegible]

- a) D.C.F.:Distance Correction Factor
- b) Insert. Loss (dB) = Cable A + Cable B + Cable C.
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- d) Negative sign (-) in Margin column signify levels below the limits.
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Radiated Emissions

Test Data

Company:	Symbol	Model #:	LA-3021-500-US
EUT:	Antenna 3 on C-radio	S/N #:	11
Project #:	J99013298	Test Date:	May 13 1999
Test Mode:	xmit 2440 500mw	Engineer:	Barry S.

10	8	7	17	8	12	10	12	0	0	0
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[illegible]

Notes	a) D.C.F.: Distance Correction Factor
	b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
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	d) Negative signs (-) in Margin column signify levels below the limits.
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Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US
EUT:	Antenna 3 on C-radio	S/N #:	11
Project #:	J89013298	Test Date:	May 13 1999
Test Mode:	xmit 2402 500mw	Engineer:	Barry S.

8	7	17	8	12	10	12	0	0	0
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[illegible]

- a) D.C.F.:Distance Correction Factor
b) Insert. Loss (dB) = Cable A + Cable B + Cable C.
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Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US
EUT:	Antenna 3 on C-radio	S/N #:	11
Project #:	J98013298	Test Date:	3 May 13 1999
Test Mode:	xmit 2480 500mw	Engineer:	0 Barry S.

Number	8	7	17	8	12	10	12	0	0	0
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[illegible]

Notes	a) D.C.F.:Distance Correction Factor
	b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
	c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
	d) Negative signs (-) In Margin column signify levels below the limits.
	e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radlated Emisslons Test Data

Company: Symbol	Model #: LA-3021-500-US	
EUT: Antenna 4 on 500 mw C-radio	S/N #:	11
Project #: J99013298	Test Date: May 24 1999	3
Test Mode: xmit 2440 500mw	Engineer: Barry S.	0

8	7	17	8	12	10	12	0	0	0
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[illegible]

- a) D.C.F.: Distance Correction Factor
- b) Insert Loss (dB) = Cable A + Cable B + Cable C.
- c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
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Radiated Emissions Test Data

Company: Symbol	Model #: LA-3021-500-US	
EUT: Antenna 4 on 500 mw C-radio	S/N #:	11
Project #: J89013298	Test Date: May 24 1999	3
Test Mode: xmit 2402 500mw	Engineer: Barry S.	0

Number	8	7	17	8	12	10	12	0	0	0
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[illegible]

Notes:

- a) D.C.F.: Distance Correction Factor
- b) Insert. Loss (dB) = Cable A + Cable B + Cable C.
- c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
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**Radiated Emissions
Test Data**

Company:	Symbol	Model #:# LA-3021-500-US	
EUT:	Antenna 4 on 500 mw C-radio	S/N #:	11
Project #:	J89013298	Test Date: May 25 1999	3
Test Mode:	xmit 2480 500mw	Engineer: Barry S.	0

8	7	17	8	12	10	12	0	0	0
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[illegible]

a) D.C.F.: Distance Correction Factor
b) Insert. Loss (dB) = Cable A + Cable B + Cable C.
c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
d) Negative signs (-) in Margin column signify levels below the limits.
e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radiated Emissions Test Data

Company: Symbol	Model #: LA-3021-500-US	
EUT: Antenne 5 on C-radio	S/N #:	11
Project #: J88013288	Test Date: May 24 1999	3
Test Mode: xmit 2402 500mw	Engineer: Barry S.	0

Number	8	7	17	8	12	10	12	0	0	0
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[illegible]

Notes:	a) D.C.F.:Distance Correction Factor
	b) Insert. Loss (dB) = Cable A + Cable B + Cable C.
	c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
	d) Negative signs (-) in Margin column signify levels below the limits.
	e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	
EUT:	Antenna 5 on 500 mw C-radio	S/N #:		11
Project #:	J99013298	Test Date:	May 24 1999	3
Test Mode:	xmit 2440 500mw	Engineer:	Barry S.	0

8	7	17	8	12	10	12	0	0	0
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[illegible]

Notes:	a) D.C.F.:Distance Correction Factor
	b) Insert Loss (dB) = Cable A + Cable B + Cable C .
	c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert Loss. - Transducer Loss - Duty Relaxation (transmitter only).
	d) Negative signs (-) in Margin column signify levels below the limits.
	e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

**Radiated Emissions
Test Data**

Company:	Symbol	Model #:	LA-3021-500-US	
EUT:	Antenna 5 on 500 mw C-radio	S/N #:		11
Project #:	J89013298	Test Date:	May 24 1999	3
Test Mode:	xmit 2480 500mw	Engineer:	Barry S.	0

Barro Colorado	8	7	17	8	12	10	12	0	0	0
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[illegible]

a) D.C.F.: Distance Correction Factor

b) Insert Loss (dB) = Cable A + Cable B + Cable C.

c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert Loss - Transducer Loss - Duty Relaxation (transmitter only).

d) Negative signs (-) in Margin column signify levels below the limits.

e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radiated Emissions Test Data

Company: Symbol	Model #: LA-3021-500-US	<table><tr><td>11</td></tr><tr><td>3</td></tr><tr><td>0</td></tr></table>	11	3	0
11					
3					
0					
EUT: Antenna 6 on 500 mw C-radio	S/N #:				
Project #: J99013298	Test Date: May 25 1999				
Test Mode: xmit 2402 500mw	Engineer: Barry S.				

8	7	17	8	12	10	12	0	0	0
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[illegible]

- a) D.C.F.:Distance Correction Factor
b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
d) Negative signs (-) in Margin column signify levels below the limits.
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Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	
EUT:	Antenna 8 on 500 mw C-radio	S/N #:		11
Project #:	J89013298	Test Date:	May 25 1999	3
Test Mode:	xmit 2440 500mw	Engineer:	Barry S.	0

8	7	17	8	12	10	12	0	0	0
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[illegible]

a) D.C.F.:Distance Correction Factor
b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
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Radiated Emissions

Test Data

Company: Symbol	Model #: LA-3021-500-US		
EUT: Antenna 8 on 500 mw C-radio	S/N #:		11
Project #: J99013298	Test Date: May 25 1999		3
Test Mode: xmit 2480 500mw	Engineer: Barry S.		0

	A	B	C	D	E	F	G	H	I	J
Number	8	7	17	8	12	10	12	0	0	0

[illegible]

YOUNG

- a) D.C.F.: Distance Correction Factor
- b) Insert Loss (dB) = Cable A + Cable B + Cable C.
- c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert Loss - Transducer Loss - Duty Relaxation (transmitter only).
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Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	
EUT:	Antenna 7 on C-radio	S/N #:		11
Project #:	J89013298	Test Date:	May 24 1999	3
Test Mode:	xmit 2402 500mw	Engineer:	Barry S.	0

1	8	7	17	8	12	10	12	0	0	0
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[illegible]

a) D.C.F.:Distance Correction Factor
b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
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Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	
EUT:	Antenna 7 on C-radio	S/N #:		11
Project #:	J89013298	Test Date:	May 24 1999	3
Test Mode:	xm/t 2440 500mw	Engineer:	Barry S.	0

DATE	8	7	17	8	12	10	12	0	0	0
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[illegible]

a) D.C.F.:Distance Correction Factor
b) Insert Loss (dB) = Cable A + Cable B + Cable C .
c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
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e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	
EUT:	Antenna 7 on C-radio	S/N #:		11
Project #:	J89013288	Test Date:	May 24 1999	3
Test Mode:	xmit 2480 500mw	Engineer:	Barry S.	0

8	7	17	8	12	10	12	0	0	0
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[illegible]

Notes	a) D.C.F.:Distance Correction Factor
	b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
	c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
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Radiated Emissions Test Data

Company: Symbol	Model #: LA-3021-500-US		
EUT: Antenna 8 on 500 mw C-radio	S/N #:		11
Project #: J99013298	Test Date: May 24 1999		3
Test Mode: xmit 2402 500mw	Engineer: Barry S.		0

	1990-1991			1991-1992			1992-1993			
1990-1991	8	7	17	8	12	10	12	0	0	0

[illegible]

a) D.C.F.:Distance Correction Factor

b) Insert Loss (dB) = Cable A + Cable B + Cable C.

c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert Loss - Transducer Loss - Duty Relaxation (transmitter only).

d) Negative signs (-) in Margin column signify levels below the limits.

e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	
EUT:	Antenna 8 0n 500 mw C-radio	S/N #:		11
Project #:	J99013289	Test Date:	May 24 1999	3
Test Mode:	xmit 2480 500mw	Engineer:	Barry S.	0

8	7	17	8	12	10	12	0	0	0
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[illegible]

Notes	a) D.C.F.:Distance Correction Factor
	b) Insert. Loss (dB) = Cable A + Cable B + Cable C.
	c) Net (dB) = Reading + Antenna Factor - Pre-amp + insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
	d) Negative signs (-) in Margin column signify levels below the limits.
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Radiated Emissions

Test Date

Company:	Symbol	Model #:	LA-3021-500-US
EUT:	Antenna 9 on 500 mw C-radio	S/N #:	11
Project #:	J99013298	Test Date:	May 25 1999
Test Mode:	xmit 2402 500mw	Engineer:	Barry S.

	8	7	17	8	12	10	12	0	0	0
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[illegible]

Notes:	a) D.C.F.:Distance Correction Factor
	b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
	c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
	d) Negative signs (-) in Margin column signify levels below the limits.
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Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	
EUT:	Antenna 9 on 500 mw C-radio	S/N #:		11
Project #:	J99013298	Test Date:	May 25 1999	3
Test Mode:	xmit 2440 500mw	Engineer:	Barry S.	0

8	7	17	8	12	10	12	0	0	0
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[illegible]

- a) D.C.F.: Distance Correction Factor
b) Insert Loss (dB) = Cable A + Cable B + Cable C.
c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert Loss. - Transducer Loss - Duty Relaxation (transmitter only).
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Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US
EUT:	Antenna 9 on 500 mw C-radio	S/N #:	11
Project #:	J99013288	Test Date:	May 25 1999
Test Mode:	xmit 2480 500mw	Engineer:	Barry S.

8	7	17	8	12	10	12	0	0	0
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[illegible]

- a) D.C.F.: Distance Correction Factor
- b) Insert Loss (dB) = Cable A + Cable B + Cable C.
- c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert Loss. - Transducer Loss - Duty Relaxation (transmitter only).
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Intertek Testing Services

Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US
EUT:	Antenna 10 on 500 mw C-radio	S/N #:	11
Project #:	J89013288	Test Date:	May 24 1999
Test Mode:	xmit 2402 500mw	Engineer:	Barry S.
			3
			0

8	7	17	8	12	10	12	0	0	0
---	---	----	---	----	----	----	---	---	---

[illegible]

Notes	a) D.C.F.:Distance Correction Factor
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Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US
EUT:	Antenna 10 on 500 mw C-radio	S/N #:	11
Project #:	J89013298	Test Date:	May 24 1999
Test Mode:	xmit 2440 500mw	Engineer:	Barry S.
			3
			0

8	7	17	8	12	10	12	0	0	0
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[illegible]

Notes	a) D.C.F.:Distance Correction Factor
	b) Insert Loss (dB) = Cable A + Cable B + Cable C.
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Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	
EUT:	Antenna 10 on 500 mw C-radio	S/N #:		11
Project #:	J99013298	Test Date:	May 24 1999	3
Test Mode:	xmit 2480 500mw	Engineer:	Barry S.	0

8	7	17	8	12	10	12	0	0	0
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[illegible]

- a) D.C.F.:Distance Correction Factor
- b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
- c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
- d) Negative signs (-) in Margin column signify levels below the limits.
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Intertek Testing Services

Radiated Emissions

Company:	Symbol	Model #:	LA-3021-500-US	
EUT:	Antenna 11 on 500 mw C-radio	S/N #:		11
Project #:	J89013298	Test Date:	May 24 1999	3
Test Mode:	xmit 2440 500mw	Engineer:	Barry S.	0

8	7	17	8	12	10	12	0	0	0
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[illegible]

- a) D.C.F.:Distance Correction Factor
b) Insert Loss (dB) = Cable A + Cable B + Cable C .
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Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	Standard:	FCC Part 227 (R-8)
EUT:	Antenna 11 on 500 mw C-radio	S/N #:		Limit:	11
Project #:	J99013298	Test Date:	May 24 1999	Test Distance:	3
Test Mode:	xmit 2480 500mw	Engineer:	Barry S.	Port:	0

	Arithmetic Unit			Control Unit			Cache Unit			Transaction Count
Number	8	7	17	8	12	10	12	0	0	0
Modes	EXC 20K	SHD 20K	EXC 16K	CORR 10K	NO 20K	EXC 10K	CORR 10K	NO 10K	EXC 10K	CORR 10K

[illegible]

Notes	a) D.C.F.:Distance Correction Factor
	b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
	c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
	d) Negative signs (-) in Margin column signify levels below the limits.
	e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.



Intertek Testing Services

Radiated Emissions Test Data

Company:	Symbol	Model #: LA-3021-500-US	Standard:	EN 50122-2
EUT:	Antenna 12 on 500 mw C-radio	S/N #:	Class	11
Project #:	J99013298	Test Date: May 25 1999	Test Distance:	3 meters
Test Mode:	xmit 2402 500mw	Engineer: Barry S.	Battery Recharge:	0

	Pump Size			Rpt. Size			Cable Used			Transducer Used
Number	8	7	17	8	12	10	12	0	0	0
Model	300	100	100	100	100	100	On Me.	None	None	None

[illegible]

- a) D.C.F.:Distance Correction Factor
b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
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Radiated Emissions Test Data

Company:	Symbol	Model #: LA-3021-500-US	Standard:	ECR: 15-247	
EUT:	Antenna 12 on 500 mw C-radio	S/N #:	Units:	11	
Project #:	J99013298	Test Date: May 25 1999	Test Distance:	3	feet
Test Mode:	xmit 2440 500mw	Engineer: Barry S.	Duty Reliance:	0	95

	Amplifier Board			Pre-Amp Board			SubC Board			Transducer Board
Number	8	7	17	8	12	10	12	0	0	0
Model	EMCO 5160	EMCO 5160	EMCO 5160	CD-5-100 318	ALC 240	1111605	GR-100	None	None	None

[illegible]

Notes:	a) D.C.F.:Distance Correction Factor
	b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
	c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
	d) Negative signs (-) in Margin column signify levels below the limits.
	e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.



Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	Standard:	IEEE 802.11b	Frequency:	2.412 GHz
EUT:	Antenna 12 on 500 mw C-radio	S/N #:		Mode:	11	Power:	500 mW
Project #:	J99013298	Test Date:	May 25 1999	Test Distance:	3	Test Type:	Passive
Test Mode:	xmit 2480 500mw	Engineer:	Barry S.	Test Result:	0	Test Status:	Pass

	Antenna Used			Pre/Post Band			Cable Used			Transceiver Used
Number	8	7	17	8	12	10	12	0	0	0
Model	EM002	EM102	EM001	OS1000	AS000	AF1005	OM100	IN100	None	None

[illegible]

1200

- a) D.C.F.: Distance Correction Factor
b) Insert. Loss (dB) = Cable A + Cable B + Cable C.
c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
d) Negative signs (-) in Margin column signify levels below the limits.
e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	Standard:	PC-31 (2.25)	
EUT:	Antenna 13 on 500 mw C-radio	S/N #:		Time:	11	
Project #:	J99013298	Test Date:	May 25 1999	Test Duration:	3	
Test Mode:	xmit 2402 500mw	Engineer:	Barry S.	Dir:	0	

	Amp 1 Used			Pre-Amp Used			Amp 2 Used			Amplifier Used
Number	8	7	17	8	12	10	12	0	0	0
Model	EMC 3150	EMC 3150	EMC 3150	EMC 100	Alt 500	Alt 500	EMC 3150	EMC 3150	EMC 3150	EMC 3150

[illegible]

100

- a) D.C.F.:Distance Correction Factor
b) Insert. Loss (dB) = Cable A + Cable B + Cable C.
c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
d) Negative signs (-) in Margin column signify levels below the limits.
e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	Standard:	FCC 3-18-247
EUT:	Antenna 13 on 500 mw C-radio	S/N #:		Level:	11
Project #:	J99013298	Test Date:	May 25 1999	Test Duration:	3
Test Mode:	xmit 2440 500mw	Engineer:	Barry S.	Qty Released:	0

	Amplifier Used			Pre-Amplifier			Cable Used			Transducer Used
Number	8	7	17	8	12	10	12	0	0	0
Model	BAKO 510	BAKO 5	BAKO 510	CDP-100	ALC 400	ALP-1000	CD-1000	None	None	None

[illegible]

NOTES

- a) D.C.F.:Distance Correction Factor
b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
d) Negative signs (-) In Margin column signify levels below the limits.
e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	Standard:	CE Marking
EUT:	Antenna 13 on 500 mw C-radio	S/N #:		Limit:	11
Project #:	J99013298	Test Date:	May 25 1999	Test Site:	3
Test Mode:	xmit 2480 500mw	Engineer:	Barry S.	Duty Rel:	0

Antenna Used	Pre-Amp Used	Cable Used	Transducer Used
8	7	17	8
12	10	12	0
0	0	0	0

Frequency	Reading	Detector	Ant. Amp	Ant. Pol	Ant. Factor	Pre-Amp	Insert. Loss	D.C. P	Ref	Limit @2m	Margin	
MHz	dB(μV)	Peak/Ave	dB	dB	dB(μV)	dB	dB	dB	dB(μV/m)	dB(μV/m)	dB	
4960	45.7	Peak	8	8	V	33.5	28.1	3.2	0.0	54.3	74.0	-19.7
4960	43.7	Ave.	8	8	V	33.5	28.1	3.2	0.0	52.3	54.0	-1.7
7440	40.2	Peak	8	8	V	38.0	28.0	4.3	0.0	54.5	74.0	-19.5
7440	32.3	Ave.	8	8	V	38.0	28.0	4.3	0.0	46.6	54.0	-7.4
12400	42.9	Peak	8	10	V	42.5	39.1	5.9	0.0	52.1	74.0	-21.9
12400	31.5	Ave.	8	10	V	42.5	39.1	5.9	0.0	40.8	54.0	-13.2
19840	42.7*	Peak	17	12	V	40.2	23.3	7.1	-9.5	57.2	74.0	-16.8
19840	31.7*	Ave.	17	12	V	40.2	23.3	7.1	-9.5	46.2	54.0	-7.8
22320	44.7*	Peak	17	12	V	40.3	24.0	7.5	-9.5	59.0	74.0	-15.0
22320	33.9*	Ave.	17	12	V	40.3	24.0	7.5	-9.5	48.2	54.0	-5.8

* Noise Floor with RBW 300KHz

Notes:	a) D.C.F.:Distance Correction Factor
	b) Insert. Loss (dB) = Cable A + Cable B + Cable C.
	c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
	d) Negative signs (-) in Margin column signify levels below the limits.
	e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.



Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	Standard:	FCR 10-24
EUT:	Antenna 14 on 500 mw C-radio	S/N #:		Test Date:	11
Project #:	J99013298	Test Date:	May 25 1989	Test Place:	3
Test Mode:	xmit 2402 500mw	Engineer:	Barry S.	Qty Polarity:	0

	Antenna Used:			Pig Ant. Used			Cable Used:			Transducer Used:
Number	8	7	17	8	12	10	12	0	0	0
Model	EK60-1EN TPA SME	22	EK60- TMA	CD-310N	AIG AM	ANT685	Singhvi	Nine	None	None

[illegible]

12: 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1

- a) D.C.F.:Distance Correction Factor
- b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
- c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
- d) Negative signs (-) in Margin column signify levels below the limits.
- e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	Standard:	FCR-16-247 (R&E)	
EUT:	Antenna 14 on 500 mw C-radio	S/N #:		Units:	11	
Project #:	J99013298	Test Date:	May 25 1989	Test Duration:	3	minutes
Test Mode:	xmit 2440 500mw	Engineer:	Barry S.	Body Swatches:	0	pieces

	Cable Used			Erg-Amp Used			Cable Used			Transducer Used
Number	6	7	17	8	12	10	12	0	0	0
Model	EM-22	EM-1P	EM-60	OD-100	AP-10	AM-1000	GM-10	UM-10	None	None

[illegible]

Notes:	a) D.C.F.:Distance Correction Factor
	b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
	c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
	d) Negative signs (-) in Margin column signify levels below the limits.
	e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.



Intertek Testing Services

Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	Standard:	ESG-3-R-240
EUT:	Antenna 14 on 500 mw C-radio	S/N #:		Units:	11
Project #:	J99013298	Test Date:	May 25 1999	Test Distance:	3
Test Mode:	xmit 2480 500mw	Engineer:	Barry S.	Duty Reference:	0

	*Amps Used			Pre-Amp Used			Cable Used			Transducer Used
Number	8	7	17	8	12	10	12	0	0	0
Model	EMCO 315	EM LPA 12	EMCO 312	CH 3-100 0	ATC 30	ATC1085	SH-MPL	None	None	None

[illegible]

333

- a) D.C.F.:Distance Correction Factor
- b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
- c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
- d) Negative signs (-) in Margin column signify levels below the limits.
- e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

**Radiated Emissions
Test Data**

Company:	Symbol	Model #:	LA-3021-500-US	Standard:	FCC Part 15.247 (2-B)
EUT:	Antenna 15 on 500 mw C-radio	S/N #:		Limits:	11
Project #:	J99013298	Test Date:	May 25 1999	Test Distance:	3 meters
Test Mode:	xmit 2402 500mw	Engineer:	Barry S.	Duty Relaxation:	0 dB

Antenna Used	Pre-Amp Used	Cable Used	Transducer Used
Number: 8 7 17	8 12 10	12 0 0	0
Model: ETCO 315 ETCO 315 ETCO 315	COG 100 XIC 140 ANT 1005	GR 1/4" None None	None

Frequency	Reading	Detector	Ant	Ant Pol	Ant Factor	Pre-Amp	Insert Loss	D.C.F.	Net	Limit	Margin	
MHz	dB(μV)	RAVD	ft	ft	dB(m)	dB	dB	dB	dB(μV/m)	dB(μV/m)	dB	
4804	41.8	Peak	8	8	V	33.5	28.1	3.2	0.0	50.4	74.0	-23.6
4804	39.3	Ave.	8	8	V	33.5	28.1	3.2	0.0	47.9	54.0	-6.1
7206	39.4	Peak	8	8	V	38.0	28.0	4.3	0.0	53.8	74.0	-20.2
7206	31.3	Ave.	8	8	V	38.0	28.0	4.3	0.0	45.7	54.0	-8.4
12010	43.1	Peak	8	10	V	42.5	39.1	5.9	0.0	52.4	74.0	-21.6
12010	32.5	Ave.	8	10	V	42.5	39.1	5.9	0.0	41.7	54.0	-12.3
19216	41.5*	Peak	17	12	V	40.2	23.3	7.1	-9.5	56.0	74.0	-18.0
19216	30.7*	Ave.	17	12	V	40.2	23.3	7.1	-9.5	45.2	54.0	-8.8
21618	43.8*	Peak	17	12	V	40.3	24.0	7.5	-9.5	58.1	74.0	-15.9
21618	33.4*	Ave.	17	12	V	40.3	24.0	7.5	-9.5	47.7	54.0	-6.3

* Noise Floor with RBW 300KHz

Notes:	a) D.C.F.: Distance Correction Factor
	b) Insert Loss (dB) = Cable A + Cable B + Cable C.
	c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert Loss. - Transducer Loss - Duty Relaxation (transmitter only).
	d) Negative signs (-) in Margin column signify levels below the limits.
	e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.



Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	Station:	EC-115-217
EUT:	Antenna 15 on 500 mw C-radio	S/N #:		Units:	11
Project #:	J99013298	Test Date:	May 25 1999	Test Distance:	3
Test Mode:	xmit 2440 500mw	Engineer:	Barry S.	Duty Station:	0

	Antenna Used			Pre-Amp Used			Cable Used			Transducer Used
Number:	8	7	17	8	12	10	12	0	0	0
Model:	EMCO 311	EMCO 5	EMCO 115	CH-100	ALC 200	AET-100C	CH-100	N/A	None	None

[illegible]

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- a) D.C.F.:Distance Correction Factor
- b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
- c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
- d) Negative signs (-) in Margin column signify levels below the limits.
- e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	Standard:	FCR-1627 (R-1)
EUT:	Antenna 15 on 500 mw C-radio	S/N #:		Limit:	11
Project #:	J99013298	Test Date:	May 25 1999	Test Duration:	3
Test Mode:	xmit 2480 500mw	Engineer:	Barry S.	Only Regulation:	0

	Antenna Used			Pre-Amp Used			Cable Used			Transceiver Used
Number:	8	7	17	8	12	10	12	0	0	0
Mode:	HFO 3.6	FMTD 2	HFO 3.60	CSP100 0.1	ALP 400	AFT100US 100	Gn-140 140	NONE	NONE	NONE

[illegible]

Notes:	a) D.C.F.:Distance Correction Factor
	b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
	c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
	d) Negative signs (-) In Margin column signify levels below the limits.
	e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	Standard:	FCC 15.247 (R.A.)
EUT:	Antenna 16 on 500 mw C-radio	S/N #:		Units:	11
Project #:	J99013298	Test Date:	May 25 1999	Test Distance:	3
Test Mode:	xmit 2402 500mw	Engineer:	Barry S.	Page:	0

	Antenna 2 Used			Pwr Amp Used			Cable Used			Thermocouple Used
Number	8	7	17	8	12	10	12	0	0	0
Model	EMCO 315	GB-12 2	EMCO 315	GB-1200 2	AVO 40	AF-100 1	C-Mel 1	None	None	None

[illegible]

Notes	a) D.C.F.:Distance Correction Factor
	b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
	c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
	d) Negative signs (-) in Margin column signify levels below the limits.
	e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	Site:	LA-3021-500-US
EUT:	Antenna 18 on 500 mw C-radio	S/N #:		Limit:	11
Project #:	J98013298	Test Date:	May 25 1999	Test Distance:	3
Test Mode:	xmit 2440 500mw	Engineer:	Barry S.	Duty Relaxation:	0

Antenna	8	7	17	8	12	10	12	0	0	0
Model	LA-3021-500-US	LA-3021-500-US	LA-3021-500-US	LA-3021-500-US	LA-3021-500-US	LA-3021-500-US	LA-3021-500-US	LA-3021-500-US	LA-3021-500-US	LA-3021-500-US

Frequency	Reading	Detector	Ant. Amp.	Ant. Pol.	Ant. Factor	Pre-Amp	Insert. Loss	D.C. F.	Net	Limit @3m	Margin	
Mhz	dB(μV)	F.A.V.	F	F	FAV	dB(FAV)	dB	dB	dB(μV/m)	dB(μV/m)	dB	
4880	33.9	Peak	8	8	V	33.5	28.1	3.2	0.0	42.5	74.0	-31.5
4880	25.8	Ave.	8	8	V	33.5	28.1	3.2	0.0	34.4	54.0	-19.6
7320	40.6	Peak	8	8	V	38.0	28.0	4.3	0.0	54.9	74.0	-19.1
7320	31.8	Ave.	8	8	V	38.0	28.0	4.3	0.0	46.1	54.0	-7.9
12200	45.0	Peak	8	10	V	42.5	39.1	5.9	0.0	54.2	74.0	-19.8
12200	35.3	Ave.	8	10	V	42.5	39.1	5.9	0.0	44.6	54.0	-9.5
19520	42.1*	Peak	17	12	V	40.2	23.3	7.1	-9.5	56.8	74.0	-17.4
19520	31.5*	Ave.	17	12	V	40.2	23.3	7.1	-9.5	46.0	54.0	-8.0
21960	44.5*	Peak	17	12	V	40.3	24.0	7.5	-9.5	58.8	74.0	-15.2
21960	33.5*	Ave.	17	12	V	40.3	24.0	7.5	-9.5	47.8	54.0	-6.2

* Noise Floor with RBW 300KHz

Notes:	a) D.C.F.: Distance Correction Factor
	b) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
	c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
	d) Negative signs (-) in Margin column signify levels below the limits.
	e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radlated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	Standard:	FCR 5-10-24
EUT:	Antenna 16 on 500 mw C-radio	S/N #:		Items:	11
Project #:	J99013288	Test Date:	May 25 1999	Test Planets:	3
Test Mode:	xmit 2480 500mw	Engineer:	Barry S.	Duty Station:	0

	Antenna Used			Pre-Amp Used			Cable Used			Transducer Used
Number	8	7	17	8	12	10	12	0	0	0
Model	SLC-1100	SLM-1100	SLC-1100	CH-100	SLC-1100	SLC-1100	SLC-1100	SLC-1100	SLC-1100	SLC-1100

[illegible]

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- a) D.C.F.: Distance Correction Factor
b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
d) Negative signs (-) in Margin column signify levels below the limits.
e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radiated Emissions Test Data

Company: Symbol	Model #: LA-3021-500-US	Standard: FCC Part 15.247 (F)
EUT: Antenna 17 on 500 mw C-radio	S/N #:	11
Project #: J99013298	Test Date: May 24 1999	3
Test Mode: xmit 2402 500mw	Engineer: Barry S.	0

Part Number	Antenna Used			Pro-Amp Used			Cable Used			Transducer Used
	8	7	17	8	12	10	12	0	0	0
Model	EMC 510	EMC 125	EMC 160	CD 55-100	100-600	ALP 100-55	CD 100-100	None	None	None

[illegible]

Notes:	a) D.C.F.:Distance Correction Factor
	b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
	c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
	d) Negative signs (-) in Margin column signify levels below the limits.
	e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	Standard:	ES: 15-247 (R.B.)
EUT:	Antenna 17 on 500 mw C-radio	S/N #:		Drawn:	11
Project #:	J89013298	Test Date:	May 24 1999	Test Operator:	3
Test Mode:	xmit 2480 500mw	Engineer:	Barry S.	Dist. Reference:	0

Number	Armament Used			Pit Arm Used			Cable Used			Attachment Used
	8	7	17	8	12	10	12	0	0	
Mode	EMCO	EMIB	EMCS	CM PRO	ALG	AL STRO	CM RFL	Rms	None	None

[illegible]

Notes:	a) D.C.F.:Distance Correction Factor
	b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
	c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
	d) Negative signs (-) in Margin column signify levels below the limits.
	e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.



Radiated Emissions Test Data

Company:	Symbol	Model #:	LA-3021-500-US	Standard:	FCR 18-247 (R.F.)
EUT:	Antenna 18 on 500 mw C-radio	S/N #:		Units:	11
Project #:	J99013298	Test Date:	May 25 1999	Test Duration:	3 min
Test Mode:	xmit 2402 500mw	Engineer:	Barry S.	Days Released:	0

	Antenae Used			Pre-Amp Used			Cable Used			Transducer Used
Number	8	7	17	8	12	10	12	0	0	0
Mode	EMC SIN	AE ID SIN	EMC SIN	CM POS SIN	AK SIN	AE IDBS SIN	CM AK SIN	None	None	None

[illegible]

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- a) D.C.F.:Distance Correction Factor
- b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
- c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
- d) Negative signs (-) in Margin column signify levels below the limits.
- e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radlated Emissions Test Data

Company: Symbol	Model #: LA-3021-500-US		
EUT: Antenna 18 on 500 mw C-radio	S/N #:		11
Project #: J89013298	Test Date: May 25 1999		3
Test Mode: xmit 2480 500mw	Engineer: Barry S.		0

Number	8	7	17	8	12	10	12	0	0	0
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[illegible]

Notes:

- a) D.C.F.:Distance Correction Factor
- b) Insert. Loss (dB) = Cable A + Cable B + Cable C.
- c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
- d) Negative signs (-) in Margin column signify levels below the limits.
- e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radiated Emissions

Test Date

Company:	Symbol	Model #:	LA-3021-500-US	
EUT:	Antenna 19 on 500 mw C-radio	S/N #:		11
Project #:	J98013299	Test Date:	May 25 1999	3
Test Mode:	xmit 2402 500mw	Engineer:	Barry S.	0

Number	8	7	17	8	12	10	12	0	0	0
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[illegible]

^a Noise Floor with RBW 300KHz

- a) D.C.F.:Distance Correction Factor
b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
d) Negative signs (-) in Margin column signify levels below the limits.
e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radiated Emissions

Test Data

Company: Symbol	Model #: LA-3021-500-US	
EUT: Antenna 19 on 500 mw C-radio	S/N #:	11
Project #: J99013298	Test Date: May 25 1999	3
Test Mode: xmit 2440 500mw	Engineer: Barry S.	0

8	7	17	8	12	10	12	0	0	0
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[illegible]

a) D.C.F.: Distance Correction Factor
b) Insert. Loss (dB) = Cable A + Cable B + Cable C.
c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
d) Negative signs (-) in Margin column signify levels below the limits.
e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.



Radiated Emissions **Test Data**

Company: Symbol	Model #: LA-3021-500-US	
EUT: Antenna 19 on 500 mw C-radio	S/N #:	11
Project #: J89013298	Test Date: May 25 1999	3
Test Mode: xmit 2480 500mw	Engineer: Barry S.	0

Item 8	8	7	17	8	12	10	12	0	0	0
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[illegible]

2000

- a) D.C.F.: Distance Correction Factor
- b) Insert. Loss (dB) = Cable A + Cable B + Cable C.
- c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
- d) Negative signs (-) in Margin column signify levels below the limits.
- e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.



Radiated Emissions **Test Data**

Company: Symbol	Model #: LA-3021-500-US	
EUT: Antenna 20 on 500 mw C-radio	S/N #:	11
Project #: J89013298	Test Date: May 24 1988	3
Test Mode: xmit 2402 500mw	Engineer: Barry S.	0

8	7	17	8	12	10	12	0	0	0
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[illegible]

▪ Noise Floor with RBW 300KHz

a) D.C.F.: Distance Correction Factor
b) Insert. Loss (dB) = Cable A + Cable B + Cable C.
c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
d) Negative signs (-) in Margin column signify levels below the limits.
e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radiated Emissions

Test Data

Company: Symbol	Model #: LA-3021-500-US		
EUT: Antenna 20 on 500 mw C-radio	S/N #:		11
Project #: J89013298	Test Date: May 24 1989		3
Test Mode: xmit 2440 500mw	Engineer: Barry S.		0

8	7	17	8	12	10	12	0	0	0
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[illegible]

Notes:

- a) D.C.F.: Distance Correction Factor
- b) Insert. Loss (dB) = Cable A + Cable B + Cable C.
- c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
- d) Negative signs (-) in Margin column signify levels below the limits.
- e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radiated Emissions

Test Data

Company:	Symbol	Model #:	LA-3021-500-US
EUT:	Antenna 20 on 500 mw C-radio	S/N #:	11
Project #:	J99013298	Test Date:	May 24 1999
Test Mode:	xmit 2480 500mw	Engineer:	Barry S.

8	7	17	8	12	10	12	0	0	0
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[illegible]

Notes:

- a) D.C.F.: Distance Correction Factor
- b) Insert. Loss (dB) = Cable A + Cable B + Cable C.
- c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
- d) Negative signs (-) In Margin column signify levels below the limits.
- e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.

Radiated Emissions

Company: Symbol	Model #: LA-3021-500-US	<table><tr><td>11</td></tr><tr><td>3</td></tr><tr><td>0</td></tr></table>	11	3	0
11					
3					
0					
EUT: Antenna 21 on 500 mw C-radio	S/N #:				
Project #: J99013298	Test Date: May 25 1999				
Test Mode: xmit 2402 500mw	Engineer: Barry S.				

8	7	17	8	12	10	12	0	0	0
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[illegible]

- a) D.C.F.: Distance Correction Factor
b) Insert. Loss (dB) = Cable A + Cable B + Cable C.
c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
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Radiated Emissions Test Data

Company: Symbol	Model #: LA-3021-500-US	<table><tr><td>11</td></tr><tr><td>3</td></tr><tr><td>0</td></tr></table>	11	3	0
11					
3					
0					
EUT: Antenna 21 on 500 mw C-radio	S/N #:				
Project #: J89013298	Test Date: May 25 1999				
Test Mode: xmit 2440 500mw	Engineer: Barry S.				

Number	8	7	17	8	12	10	12	0	0	0
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[illegible]

a) D.C.F.: Distance Correction Factor

b) Insert Loss (dB) = Cable A + Cable B + Cable C.

c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).

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