

## 1.1 Radiated Emissions OATS

Name of EUT: 8500 Cordless Telephone  
Serial Number:  
Temperature: 22°C  
Product Class: B  
Test Specification: CFR 47, Part 15  
File Number: 98083

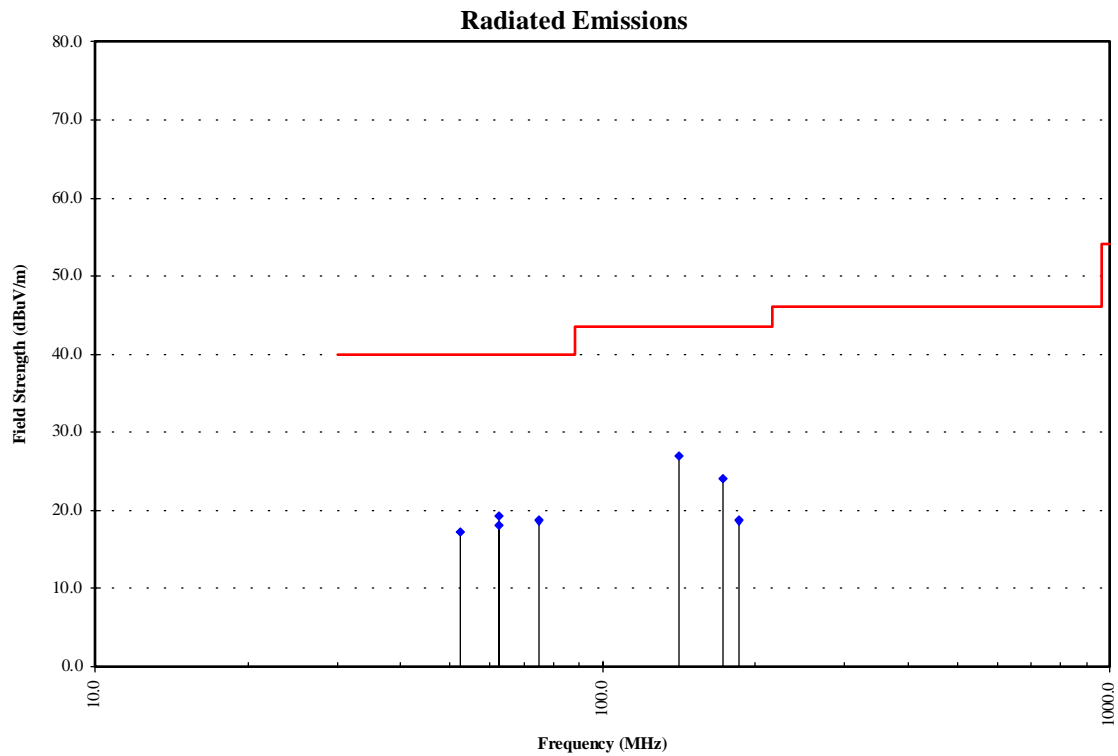
Date of Test: Sept. 11, 1998  
Relative Humidity: 55%  
Test Facility: Open Area Test Site  
Measurement Distance: 3 Meters  
Test Engineer: T. Donnelly

Freq. (MHz)	EUT Azimuth (Degrees)	Antenna Height (cm)	Antenna Polarity (H/V)	Meter Reading (dBuV)	Cable Loss (dB)	Antenna Factor (dB/m)	Ambient Level (dBuV/m)	Field Intensity (dBuV/m)	Spec Limit (dBuV/m)	Margin (dB)
52.50	129.0	202	V	5.0	1.8	10.4	0*	17.3	40.0	22.7
62.62	360.0	143	H	8.1	2.0	9.1	0*	19.2	40.0	20.8
62.62	216.6	131	V	7.0	2.0	9.1	0*	18.1	40.0	21.9
75.01	60.0	305	V	8.6	2.2	8.0	0*	18.7	40.0	21.3
141.01	360.0	135	H	11.2	2.9	12.8	0*	26.9	43.5	16.6
173.02	0.0	100	H	8.6	3.2	12.3	0*	24.1	43.5	19.4
185.02	358.2	166	H	2.7	3.3	12.8	0*	18.7	43.5	24.8

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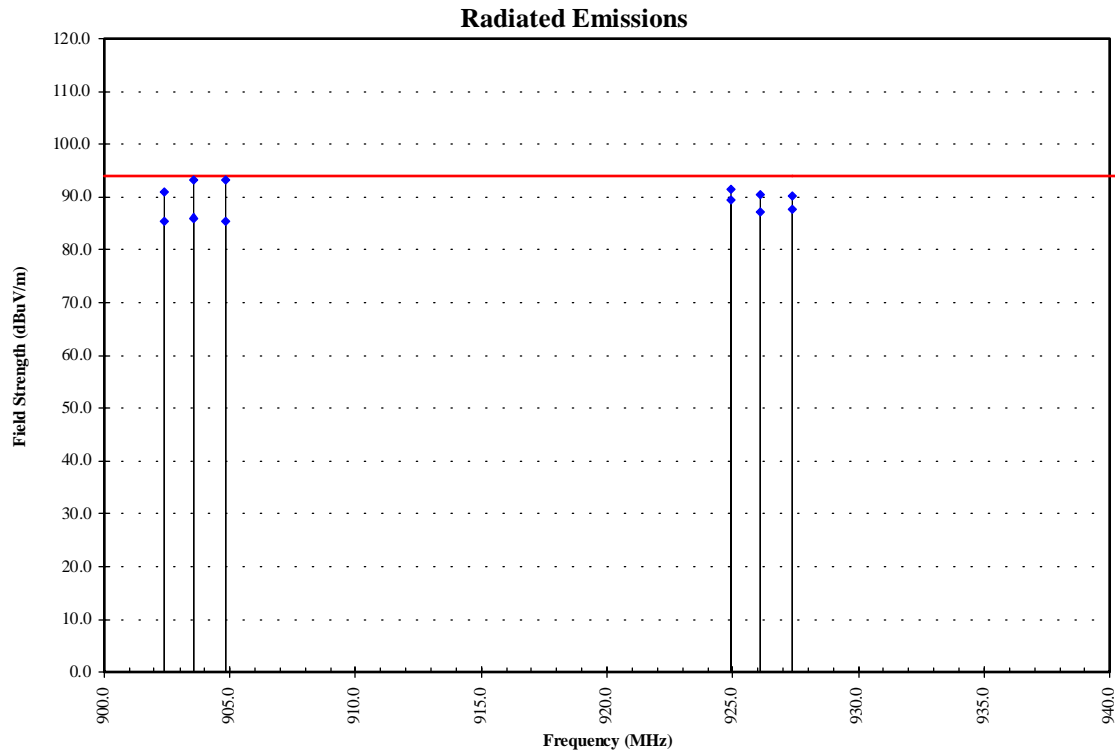
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Freq. (MHz)	EUT Azimuth (Degrees)	Antenna Height (cm)	Antenna Polarity (H/V)	Meter Reading (dBuV)	Cable Loss (dB)	Antenna Factor (dB/m)	Ambient Level (dBuV/m)	Field Intensity (dBuV/m)	Spec Limit (dBuV/m)	Margin (dB)
902.40	162.6	194	H	52.6	6.5	26.3	0*	85.4	94.0	8.6
902.40	231.6	100	V	58.1	6.5	26.3	0*	90.9	94.0	3.1
903.55	93.0	100	V	60.5	6.6	26.3	0*	93.3	94.0	0.7
903.55	177.6	100	H	53.3	6.6	26.3	0*	86.1	94.0	7.9
904.83	180.0	100	H	52.5	6.6	26.3	0*	85.4	94.0	8.6
904.83	342.6	100	V	60.3	6.6	26.3	0*	93.2	94.0	0.8
924.93	315.0	179	V	58.0	6.7	26.7	0*	91.4	94.0	2.6
924.93	58.8	158	H	56.2	6.7	26.7	0*	89.6	94.0	4.4
926.08	332.4	100	V	57.1	6.7	26.7	0*	90.5	94.0	3.5
926.08	57.0	100	H	53.8	6.7	26.7	0*	87.2	94.0	6.8
927.36	66.6	161	H	54.2	6.7	26.8	0*	87.6	94.0	6.4
927.36	339.0	100	V	56.7	6.7	26.8	0*	90.1	94.0	3.9

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Freq. (MHz)	EUT Azimuth (Degrees)	Antenna Height (cm)	Antenna Polarity (H/V)	Meter Reading (dBuV)	Cable Loss (dB)	Antenna Factor (dB/m)	Ambient Level (dBuV/m)	Field Intensity (dBuV/m)	Spec Limit (dBuV/m)	Margin (dB)
Channel 1, Handset										
1808.0	33.0	156.0	V	11.0	0.0	27.0	0*	38.0	54	16.0
1808.0	316.0	268.0	H	8.0	0.0	27.0	0*	35.0	54	19.0
2714.0	329.0	268.0	H	14.0	0.0	29.0	0*	43.0	54	11.0
2714.0	153.0	324.0	V	10.0	0.0	29.0	0*	39.0	54	15.0
3621.0	166.0	126.0	H	7.0	0.0	31.3	0*	38.3	54	15.7
Channel 1, Base										
1850.0	12.0	149.0	V	11.0	0.0	27.2	0*	38.2	54.0	15.8
2775.0	164.0	126.0	V	14.0	0.0	29.2	0*	43.2	54.0	10.8
2775.0	344.0	302.0	H	11.0	0.0	29.2	0*	40.2	54.0	13.8
Channel 10, Handset										
1890.0	148.0	149.0	H	15.0	0.0	27.4	0*	42.4	54.0	11.6
1890.0	106.0	122.0	V	22.0	0.0	27.4	0*	49.4	54.0	4.6
2711.0	358.0	141.0	V	23.0	0.0	29.0	0*	52.0	54.0	2.0
2711.0	224.0	149.0	H	19.0	0.0	29.0	0*	48.0	54.0	6.0
Channel 10, Base										
1854.0	333.0	152.0	V	10.0	0.0	27.2	0*	37.2	54.0	16.8
2711.0	3.0	282.0	V	18.0	0.0	29.0	0*	47.0	54.0	7.0
2711.0	145.0	100.0	H	20.0	0.0	29.0	0*	49.0	54.0	5.0
3709.0	98.0	152.0	V	15.0	0.0	31.8	0*	46.8	54.0	7.2
4631.0	26.0	100.0	V	15.0	0.0	32.2	0*	47.2	54.0	6.8
Channel 20, Handset										
1806.0	356.0	152.0	H	12.0	0.0	27.0	0*	39.0	54.0	15.0
1806.0	108.0	156.0	V	22.0	0.0	27.0	0*	49.0	54.0	5.0
2710.0	0.0	202.0	V	23.0	0.0	29.0	0*	52.0	54.0	2.0
2710.0	189.0	133.0	H	19.0	0.0	29.0	0*	48.0	54.0	6.0
Channel 20, Base										
1856.0	99.0	227.0	H	10.0	0.0	27.2	0*	37.2	54.0	16.8
1856.0	239.0	180.0	V	13.0	0.0	27.2	0*	40.2	54.0	13.8
2716.0	323.0	269.0	V	13.0	0.0	29.0	0*	42.0	54.0	12.0
2716.0	359.0	268.0	H	12.0	0.0	29.0	0*	41.0	54.0	13.0
3713.0	7.0	100.0	H	11.0	0.0	31.8	0*	42.8	54.0	11.2
3713.0	92.0	148.0	V	16.0	0.0	31.8	0*	47.8	54.0	6.2
4637.0	102.0	137.0	V	15.0	0.0	32.2	0*	47.2	54.0	6.8

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## 1.4 Equipment Calibration Information

The Following list shows the calibration data of the equipment used for the tests.

Manufacturer	Model Number	Serial Number	Description	Last Calibrated mm/dd/yy	Cal Cycle Month
Eaton	96002	2436	Biconical Antenna	8/31/98	12
Electro-Metrics	EM- 2135/EMC-60	44174	Test Receiver	5/13/98	12
EMCO	3146	9509-4165	Log-Periodic Antenna	7/16/98	12
EMCO	3115	9006-3460	Double Ridged Horn 1-18 Ghz	5/27/98	12
Rohde & Schwarz	EPM	883613/014	Panorama Monitor	N/A	N/A
Rohde & Schwarz	ESVP	879529/047	Test Receiver	9/30/97	12

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