

**Permissive Change Test Report
FCC Part 15.249
for
VTECH Telecommunications LTD.
on the
Cordless Phone
Model: 1411
FCC ID: EW79108**

Test Report #: 20270541
Date of Report: September 29, 2000

Job #: J20027054
Date of Test: September 23-28, 2000

Total No. of Pages Contained in this Report: 22 + Data Pages and Supporting Documents



Voluntary Member



emc



Lab Code 200201-0

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VTEC Telecommunications, Model 1411

Date of Test: September 23-28, 2000

1.0 Summary of Test Results

MODEL: 1411
FCC ID: EW79108

TEST	REFERENCE	RESULTS
Radiated Emission	15.249	Complies

Test Engineer: 
Suresh Kondapalli

Date: 10/2/2000

EMC Manager: 
David Chernomordik

Date: 10/2/2000

VTEC Telecommunications, Model 1411

Date of Test: September 23-28, 2000

2.0 General Description

2.1 Product Description

The VTECH model 1411 is a cordless phone operating in the frequency band of 902 – 928 MHz.

2.2 Reasons for Report

The original device FCC ID: EW79108 has been modified. This report is designed to show that the device with the modifications complies with FCC regulations. Only radiated emissions were tested because the transmitter itself has not been modified. Refer to Exhibit 1 in report section 6.0 for a detailed description about the modifications.

2.3 Test Methodology

Radiated emission measurements were performed according to the procedures in ANSI C63.4 (1992). All measurements were performed in Open Area Test Sites. Preliminary scans were performed in the Open Area Test Sites only to determine worst case modes. For each scan, the procedure for maximizing emissions in Appendices D and E were followed. All Radiated tests were performed at an antenna to EUT distance of 3 meters, unless stated otherwise in the "Data Sheets" of this Application.

2.4 Test Facility

The open area test site and conducted measurement facility used to collect the radiated data is Site 2. This test facility and site measurement data have been fully placed on file with the FCC and NVLAP accredited.

VTEC Telecommunications, Model 1411

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3.0 System Test Configuration

3.1 Justification

For emission testing, the equipment under test (EUT) was configured for testing in a typical fashion (as a customer would normally use it). During testing, all cables were manipulated to produce worst case emissions.

For the measurements, the EUT is attached to a cardboard box (if necessary) and placed on the wooden turntable. If the EUT attaches to peripherals, they are connected and operational (as typical as possible). The EUT is wired to transmit full power without modulation.

The signal is maximized through rotation and placement in the three orthogonal axes. The antenna height and polarization are varied during the search for maximum signal level. The antenna height is varied from 1 to 4 meters. Detector function is in peak mode. Radiated emissions are taken at three meters unless the signal level is too low for measurement at that distance. If necessary, a pre-amplifier is used and/or the test is conducted at a closer distance.

All readings are extrapolated back to the equivalent three meter reading using inverse scaling with distance.

3.2 EUT Exercising Software

The EUT exercise program used during radiated and conducted testing was designed to exercise the various system components in a manner similar to a typical use.

For emissions testing, the units were setup to transmit continuously to simplify the measurement methodology. Care was taken to ensure proper power supply voltages during testing.

VTEC Telecommunications, Model 1411

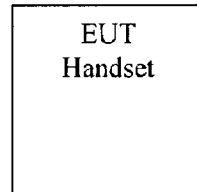
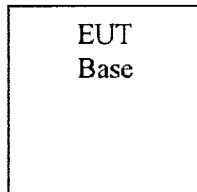
Date of Test: September 23-28, 2000

3.3 System Test Configuration

3.3.1 Support Equipment

None.

3.3.2 Block Diagram of Test Setup



VTEC Telecommunications, Model 1411

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3.4 Equipment Modification

Any modifications installed previous to testing by VTECH will be incorporated in each production model sold/leased in the United States.

No modifications were made by Intertek Testing Services.

3.5 Additions, deviations and exclusions from standards

None.

4.0 Emission Results

Radiated emission measurements were performed from 30 MHz to 10000 MHz. Analyzer resolution is 100 kHz or greater for 30 MHz to 1000 MHz, 1 MHz for >1000 MHz.

Data is included of the worst case configuration (the configuration which resulted in the highest emission levels). A sample calculation, configuration photographs and data tables of the emissions are included. All measurements were performed with peak detection unless otherwise specified.

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4.1 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CF - AG$$

where FS = Field Strength in dB(μ V/m)
 RA = Receiver Amplitude (including preamplifier) in dB(μ V)
 CF = Cable Attenuation Factor in dB
 AF = Antenna Factor in dB/m
 AG = Amplifier Gain in dB

In the following table(s), the reading shown on the data table reflects the preamplifier gain. An example for the calculations in the following table is as follows:-

$$FS = RR + LF$$

where FS = Field Strength in dB(μ V/m)
 RR = RA - AG in dB(μ V)
 LF = CF + AF in dB

Assume a receiver reading of 52.0 dB(μ V) is obtained. The antenna factor of 7.4 dB/m and cable factor of 1.6 dB is added. The amplifier gain of 29 dB is subtracted, giving a field strength of 32 dB(μ V/m). This value in dB \square V/m was converted to its corresponding level in μ V/m.

RA = 52.0 dB(μ V)	AF = 7.4 dB/m
RR = 23.0 dB(μ V)	CF = 1.6 dB
LF = 9.0 dB	AG = 29.0 dB

$$FS = RR + LF$$

$$FS = 23 + 9 = 32 \text{ dB}(\mu\text{V/m})$$

$$\text{Level in } \mu\text{V/m} = \text{Common Antilogarithm } \{[32 \text{ dB}(\mu\text{V/m})]/20\} = 39.8 \mu\text{V/m}$$

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4.2 Radiated Emission Data

The data on the following pages list the significant emission frequencies, the limit and the margin of compliance.

Results: Passed by 0.3 dB at 902.3 MHz

Note: a) All emissions not reported are at least 20 dB below the limits

Radiated Emissions Test Data

Company:	Vtech	Model #:	1411	Standard:	FCC E 15.249
EUT:	Cordless Phone	S/N #:		Limit:	12
Project #:	J20027054	Test Date:	September, 27 2000	Test Distance:	3
Test Mode:	Base Tx @ 902.30MHz	Engineer:	Xi-Ming Y.	Duty Relaxation:	0

Number	Antenna Used			Pre-Amp Used			Cable Used			Transducer Used		
	8	7	0	2	8	0	21	0	0	0	0	
Model	EM003115	EM12A-25	None	HP8447D	CD1-P1000	None	Sm-MPL	None	None	None	None	

Frequency	Reading	Correction	Ant. Amp	Ant. Pol.	Ant. Factor	Pre-Amp	Insert Loss	D.C.F.	Net	Limit @3m	Margin	
MHz	dB(uV)	dB(dB)	d	h/v	dB (100)	dB	dB	dB	dB(uV/m)	dB(uV/m)	dB	
902.30E+0	69.2	Peak	7	U	V	22.5	0.0	2.2	0.0	93.9	114.0	-20.1
902.30E+0	69.0	Ave.	7	U	V	22.5	0.0	2.2	0.0	93.7	94.0	-0.3
1804.60E+0	32.0	Peak	8	8	V	26.7	29.3	3.1	0.0	32.5	54.0	-21.5
1804.60E+0	22.3	Ave.	8	8	V	26.7	29.3	3.1	0.0	22.8	54.0	-31.2
2706.90E+0	34.0	Peak	8	8	V	30.6	28.4	2.3	0.0	38.5	74.0	-35.5
2706.90E+0	25.0	Ave.	8	8	V	30.6	28.4	2.3	0.0	29.5	54.0	-24.5
3609.19E+0	33.0	Peak	8	8	H	32.8	27.8	2.7	0.0	40.7	74.0	-33.3
3609.19E+0	23.0	Ave.	8	8	H	32.8	27.8	2.7	0.0	30.7	54.0	-23.3
4511.49E+0	32.0	Peak	8	8	V	34.0	27.9	3.2	0.0	41.3	74.0	-32.7
4511.49E+0	22.5	Ave.	8	8	V	34.0	27.9	3.2	0.0	31.8	54.0	-22.2
5413.79E+0	32.0	Peak	8	8	V	35.4	28.3	3.5	0.0	42.6	74.0	-31.4
5413.79E+0	23.0	Ave.	8	8	V	35.4	28.3	3.5	0.0	33.6	54.0	-20.4
6216.09E+0	34.0	Peak	8	8	V	37.1	28.0	3.9	0.0	47.0	74.0	-27.0
6316.09E+0	25.0	Ave.	8	8	V	37.1	28.0	3.9	0.0	38.0	54.0	-16.0
7218.39E+0	34.5	Peak	8	8	H	36.8	28.0	4.3	0.0	47.6	74.0	-26.4
7218.39E+0	24.9	Ave.	8	8	H	36.8	28.0	4.3	0.0	38.0	54.0	-16.0
8120.69E+0	34.0	Peak	8	8	H	37.2	27.2	4.8	0.0	48.8	74.0	-25.2
8120.69E+0	25.0	Ave.	8	8	H	37.2	27.2	4.8	0.0	39.8	54.0	-14.2
9023.00E+0	34.0	Peak	8	8	V	39.7	26.8	4.7	0.0	51.6	74.0	-22.4
9023.00E+0	25.5	Ave.	8	8	V	39.7	26.8	4.7	0.0	43.1	54.0	-10.9

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:	Vtech	Model #:	1411	Standard:	PCO § 15.249
EUT:	Cordless Phone	S/N #:		Limits:	12
Project #:	J20027054	Test Date:	September, 27 2000	Test Operator:	3
Test Mode:	Base TX @ 906.65MHz	Engineer:	X-Ming Y.	Duty Factor:	0

	Antenna Used			Pre-Amp Used			Cable Used			Transducer Used		
Number:	8	7	0	2	8	0	21	0	0	0	0	
Model:	EMCO 3115	EM 1PA-25	None	HP 8447D	ODI P1000	None	GM 3M-L	None	None	None	None	

Frequency	Reading	Detector	Ant. #	Amp. #	Ant. Pol.	Ant. Factor	Pre-Amp	Insert. Loss	D.C.F.	Net	Limit @ 3m	Margin
MHz	dB(μV)	PK/A	#	#	V/V	dB(dBm)	dB	dB	dB	dB(μV/m)	dB(μV/m)	dB
906.65E+0	69.0	Peak	7	0	V	22.7	0.0	2.2	0.0	93.9	114.0	-20.1
906.65E+0	68.8	Ave.	7	0	V	22.7	0.0	2.2	0.0	93.7	94.0	-0.3
1813.29E+0	32.8	Peak	8	8	V	26.7	29.3	3.1	0.0	33.3	54.0	-20.7
1813.29E+0	22.0	Ave.	8	8	V	26.7	29.3	3.1	0.0	22.5	54.0	-31.5
2719.95E+0	34.0	Peak	8	8	V	30.6	28.4	2.3	0.0	38.5	74.0	-35.5
2719.95E+0	22.4	Ave.	8	8	V	30.6	28.4	2.3	0.0	26.9	54.0	-27.1
3626.60E+0	32.5	Peak	8	8	H	32.8	27.8	2.7	0.0	40.2	74.0	-33.8
3626.60E+0	21.0	Ave.	8	8	H	32.8	27.8	2.7	0.0	28.7	54.0	-25.3
4533.25E+0	31.0	Peak	8	8	V	34.0	27.9	3.2	0.0	40.3	74.0	-33.7
4533.25E+0	22.8	Ave.	8	8	V	34.0	27.9	3.2	0.0	32.1	54.0	-21.9
5439.90E+0	33.0	Peak	8	8	V	35.4	28.3	3.5	0.0	43.6	74.0	-30.4
5439.90E+0	24.0	Ave.	8	8	V	35.4	28.3	3.5	0.0	34.6	54.0	-19.4
6346.55E+0	34.0	Peak	8	8	V	37.1	28.0	3.9	0.0	47.0	74.0	-27.0
6346.55E+0	25.0	Ave.	8	8	V	37.1	28.0	3.9	0.0	38.0	54.0	-16.0
7253.20E+0	34.0	Peak	8	8	H	36.8	28.0	4.3	0.0	47.1	74.0	-26.9
7253.20E+0	25.0	Ave.	8	8	H	36.8	28.0	4.3	0.0	38.1	54.0	-15.9
8159.85E+0	34.0	Peak	8	8	H	37.2	27.2	4.8	0.0	48.8	74.0	-25.2
8159.85E+0	24.8	Ave.	8	8	H	37.2	27.2	4.8	0.0	39.6	54.0	-14.4
9066.50E+0	35.0	Peak	8	8	V	39.7	26.8	4.7	0.0	52.6	74.0	-21.4
9066.50E+0	25.5	Ave.	8	8	V	39.7	26.8	4.7	0.0	43.1	54.0	-10.9

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:	Vtech	Model #:	1411	Standard:	FCC § 15.305
EUT:	Cordless Phone	S/N #:		Duty:	3
Project #:	J20027054	Test Date:	September, 28 2000	Test Distance:	3 meters
Test Mode:	Base Rx	Engineer:	Xi-Ming Y.	Duty Relaxation:	0 dB

Number	Antenna Used			Pre-Amp Used			Cable Used			Transducer Used
	8	7	9	2	8	0	21	0	0	0
Model:	EMCO-3115	EM-LPA-25	EMCO-3104	HP-8447D	GD-91000	None	Om-M-1	None	None	None

Frequency	Reading	Detector	Ant. #	Amp. #	Ant. Pol.	Ant. Factor	Pre-Amp	Insert. Loss	D.C.F.	Net	Limit (dBm)	Margin
MHz	dB(μV)	P/P/O	#	#	H/V	(dB/1m)	dB	dB	dB	dB(μV/m)	dB(μV/m)	dB
48.00E+0	47.0	Peak	9	2	V	11.6	32.5	0.4	0.0	26.5	40.0	-13.5
144.00E+0	41.0	Peak	9	2	V	12.8	32.8	0.8	0.0	21.8	43.5	-21.7
240.00E+0	42.0	Peak	7	2	V	12.1	33.7	1.0	0.0	21.4	46.0	-24.6
336.00E+0	41.5	Peak	7	2	V	16.2	33.1	1.2	0.0	25.8	46.0	-20.2
933.80E+0	48.0	Peak	7	2	H	24.2	33.1	2.2	0.0	41.3	46.0	-4.7
938.45E+0	49.0	Peak	7	2	H	24.2	33.1	2.2	0.0	42.3	46.0	-3.7
1867.60E+0	24.5	Ave.	8	8	H	26.9	29.3	3.1	0.0	25.2	54.0	-28.8
1876.90E+0	24.0	Ave.	8	8	H	26.9	29.3	3.1	0.0	24.7	54.0	-29.3
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- 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:	Vtech	Model #:	1411	Standard:	FCC 2-15.249
EUT:	Cordless Phone	S/N #:		Limit:	12
Project #:	J20027054	Test Date:	September, 27 2000	Test Distance:	3
Test Mode:	Handset Tx @ 923.1MHz	Engineer:	Xi-Ming Y.	Duty Relaxation:	0

Number	Antenna Used			Pre-Amp Used			Cable Used			Transducer Used		
	8	7	0	2	8	0	21	0	0	0		
Model:	EMCO 3115	EM-LPA-25	None	HP 8447D	GD1-P1000	None	Gr. M-1	None	None	None		

Frequency	Reading	Detector	Ant.	Amp	Ant. Pol.	Ant. Factor	Pre-Amp	Insert. Loss	D.C.F.	Net	Limit @ 3m	Margin
MHz	dB(μV)	(P/Pk)	F	B	H/V	(dB(1m))	dB	dB	dB	dB(μV/m)	dB(μV/m)	dB
923.10E+0	67.3	Peak	7	0	V	22.7	0.0	2.2	0.0	92.2	114.0	-21.8
923.10E+0	67.2	Ave.	7	0	V	22.7	0.0	2.2	0.0	92.1	94.0	-1.9
1846.20E+0	32.0	Peak	8	8	V	26.7	29.3	3.1	0.0	32.5	54.0	-21.5
1846.20E+0	22.4	Ave.	8	8	V	26.7	29.3	3.1	0.0	22.9	54.0	-31.1
2769.30E+0	32.0	Peak	8	8	V	30.6	28.4	2.3	0.0	36.5	74.0	-37.5
2769.30E+0	22.3	Ave.	8	8	V	30.6	28.4	2.3	0.0	26.8	54.0	-27.2
3692.40E+0	32.0	Peak	8	8	H	32.8	27.8	2.7	0.0	39.7	74.0	-34.3
3692.40E+0	22.1	Ave.	8	8	H	32.8	27.8	2.7	0.0	29.8	54.0	-24.2
4615.50E+0	31.0	Peak	8	8	V	34.0	28.0	3.2	0.0	40.2	74.0	-33.8
4615.50E+0	25.0	Ave.	8	8	V	34.0	28.0	3.2	0.0	34.2	54.0	-19.8
5538.60E+0	33.5	Peak	8	8	V	36.6	28.3	3.7	0.0	45.5	74.0	-28.5
5538.60E+0	24.5	Ave.	8	8	V	36.6	28.3	3.7	0.0	36.5	54.0	-17.5
6461.70E+0	34.0	Peak	8	8	V	37.1	28.0	3.9	0.0	47.0	74.0	-27.0
6461.70E+0	25.0	Ave.	8	8	V	37.1	28.0	3.9	0.0	38.0	54.0	-16.0
7384.80E+0	34.0	Peak	8	8	H	36.8	28.0	4.3	0.0	47.1	74.0	-26.9
7384.80E+0	25.4	Ave.	8	8	H	36.8	28.0	4.3	0.0	38.5	54.0	-15.5
8307.90E+0	34.0	Peak	8	8	H	37.2	27.2	4.8	0.0	48.8	74.0	-25.2
8307.90E+0	25.0	Ave.	8	8	H	37.2	27.2	4.8	0.0	39.8	54.0	-14.2
9231.00E+0	35.0	Peak	8	8	V	39.7	27.0	4.7	0.0	52.4	74.0	-21.6
9231.00E+0	25.5	Ave.	8	8	V	39.7	27.0	4.7	0.0	42.9	54.0	-11.1

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:	Vtech	Model #:	1411	Standard:	FCG 145.240
EUT:	Cordless Phone	S/N #:		Limits:	12
Project #:	J20027054	Test Date:	September, 27 2000	Test Distance:	3 meters
Test Mode:	Handset Tx @ 927.75MHz	Engineer:	Xi-Ming Y.	Duty Relaxed:	0 dB

	Antenna Used			Pre-Amp Used			Cable Used			Transducer Used		
Number:	8	7	0	2	6	0	21	0	0	0	0	
Model:	EMCO-3115	EM-LPA-25	None	HP 3447D	CDL P1000	None	Om. Mt.	None	None	None		

Frequency MHz	Reading dB(uV)	Detector	Ant. F	Amp. F	Ant. Pol.	Ant. Factor dB(dBi)	Pre-Amp dB	Insert Loss dB	D.C.F.	Net dB(uV/m)	Limit dB(uV/m)	Margin dB
927.75E+0	68.8	Peak	7	0	V	22.8	0.0	2.2	0.0	93.8	114.0	-20.2
927.75E+0	68.5	Ave.	7	0	V	22.8	0.0	2.2	0.0	93.5	94.0	-0.5
1855.50E+0	32.0	Peak	8	8	V	26.7	29.3	3.1	0.0	32.5	54.0	-21.5
1855.50E+0	23.0	Ave.	8	8	V	26.7	29.3	3.1	0.0	23.5	54.0	-30.5
2783.25E+0	32.0	Peak	8	8	V	30.6	28.4	2.3	0.0	36.5	74.0	-37.5
2783.25E+0	22.0	Ave.	8	8	V	30.6	28.4	2.3	0.0	26.5	54.0	-27.5
3711.00E+0	32.0	Peak	8	8	H	32.8	27.8	2.7	0.0	39.7	74.0	-34.3
3711.00E+0	22.0	Ave.	8	8	H	32.8	27.8	2.7	0.0	29.7	54.0	-24.3
4638.75E+0	31.0	Peak	8	8	V	34.0	28.0	3.2	0.0	40.2	74.0	-33.8
4638.75E+0	22.4	Ave.	8	8	V	34.0	28.0	3.2	0.0	31.6	54.0	-22.4
5566.50E+0	33.5	Peak	8	8	V	36.6	28.3	3.7	0.0	45.5	74.0	-28.5
5566.50E+0	24.5	Ave.	8	8	V	36.6	28.3	3.7	0.0	36.5	54.0	-17.5
6494.25E+0	34.0	Peak	8	8	V	37.1	28.0	3.9	0.0	47.0	74.0	-27.0
6494.25E+0	25.5	Ave.	8	8	V	37.1	28.0	3.9	0.0	38.5	54.0	-15.5
7422.00E+0	34.0	Peak	8	8	H	36.8	28.0	4.3	0.0	47.1	74.0	-26.9
7422.00E+0	25.0	Ave.	8	8	H	36.8	28.0	4.3	0.0	38.1	54.0	-15.9
8349.75E+0	34.0	Peak	8	8	H	37.2	27.2	4.8	0.0	48.8	74.0	-25.2
8349.75E+0	25.0	Ave.	8	8	H	37.2	27.2	4.8	0.0	39.8	54.0	-14.2
9277.50E+0	35.0	Peak	8	8	V	39.7	27.0	4.7	0.0	52.4	74.0	-21.6
9277.50E+0	25.5	Ave.	8	8	V	39.7	27.0	4.7	0.0	42.9	54.0	-11.1
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												--
												--

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 Relaxed (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: Vtech	Model #: 1411	Standard: FCC 47 CFR	FCC 47 CFR
EUT: Cordless Phone	S/N #:	Limit: 3	3
Project #: J20027054	Test Date: September, 28 2000	Test Distance: 3	3
Test Mode: Handset Rx	Engineer: Xi-Ming Y.	Duty Relaxation: 0	0

Number	Antenna Used			Pre-Amp Used			Cable Used			Transducer Used
	8	7	9	2	8	0	21	0	0	0
Model	EMCO 3115	EM LPA-25	EMCO 3104	HP 8447D	CDL P1000	None	Em. 141	None	None	None

Frequency	Reading	Detector	Ant	Amp	Ant. Pol.	Ant. Factor	Pre-Amp	Insert Loss	D.C.F.	Net	Limit (dBm)	Margin
MHz	dB(μV)	F/3/0	8	8	V/V	(dB/1m)	dB	dB	dB	(dB(μV/m))	(dB(μV/m))	dB
48.00E+0	48.0	Peak	9	2	V	11.6	32.5	0.4	0.0	27.5	40.0	-12.5
144.00E+0	40.0	Peak	9	2	V	12.8	32.8	0.8	0.0	20.8	43.5	-22.7
240.00E+0	42.0	Peak	7	2	V	12.1	33.7	1.0	0.0	21.4	46.0	-24.6
336.00E+0	41.0	Peak	7	2	V	16.2	33.1	1.2	0.0	25.3	46.0	-20.7
891.60E+0	47.2	Peak	7	2	V	22.3	33.6	2.1	0.0	38.0	46.0	-8.0
895.95E+0	48.0	Peak	7	2	V	22.5	33.6	2.1	0.0	39.0	46.0	-7.0
1791.89E+0	24.0	Ave.	8	8	V	26.7	29.4	3.0	0.0	24.3	54.0	-29.7
1783.20E+0	23.0	Ave.	8	8	V	26.7	29.4	3.0	0.0	23.3	54.0	-30.7

- 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.

4.2 Test Setup Photos

