

EXHIBIT B

Measurement Report

MEASUREMENT REPORT of CORDLESS TELEPHONE

Applicant : ZENY CORPORATION
Model No. : CT-9001
EUT : 900 MHz Analog Cordless Phone
FCC ID : BUSCT-9001
Report No. : Z0515975

Test by :

Training Research Co., Ltd.

TEL : 886-2-26935155 FAX : 886-2-26934440
2, Lane 194, Huan-Ho Street, Hsichih, Taipei Hsien 221, Taiwan, R.O.C.

CERTIFICATION

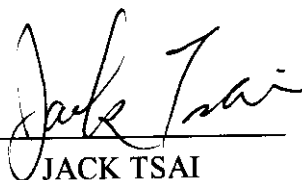
We here by verify that:

The test data, data evaluation, test procedures and equipment configurations shown in this report were made mainly in accordance with the procedures given in ANSI C63.4 (1992) as a reference. All test were conducted by **Training Research Co., Ltd.**, 2, Lane 194, Huan-Ho Street, Hsichi, Taipei Hsien 221, Taiwan, R.O.C. Also, we attest to the accuracy of each.

We further submit that the energy emitted by the sample EUT tested as described in the report is **in compliance with** the technical requirements set forth in the FCC Rules Part 15 Subpart C Section 15.249.

Applicant : ZENY CORPORATION
Model No. : CT-9001
EUT : 900 MHz Analog Cordless Phone
FCC ID : BUSCT-9001
Report No. : Z0515975
Test Date : MAR. 22, 1999

Prepared by:


JACK TSAI

Approved by:


JACOB LIN

Test by :

Training Research Co., Ltd.

TEL : 886-2-26935155

FAX : 886-2-26934440

2, Lane 194, Huan-Ho Street, Hsichih, Taipei Hsien 221, Taiwan, R.O.C.

Tables of Contents

I. GENERAL

1.1 Introduction	5
1.2 Description of EUT	5
1.3 Description of Support Equipment	5
1.4 Configuration of System Under Test	6
1.5 Test Procedure	6
1.6 Location of the Test Site	6
1.7 General Test Condition	7

II. Conducted Emissions Measurements

2.1 Test Condition & Setup	8
2.2 List of Test Instruments	8
2.3 Test Configuration	9
2.4 Test Result of Conducted Emissions	10

III. Radiated Emissions Measurements

3.1 Test Condition & Setup	13
3.2 List of Test Instruments	14
3.3 Test Instruments Configuration	15
3.4 Test Result of Radiated Emissions	17
3.5 Test Result of Spurious Radiated Emissions	18

IV. Verify Frequencies and Channels 34

TABLES

Table 1 Power Line Conducted Emissions [Channel 01]	10
Table 2 Power Line Conducted Emissions [Channel 60]	11
Table 3 Power Line Conducted Emissions [Charge Mode]	12
Table 4 Open Field Fundamental Emissions	17

Table 5	Open Field Radiated Emissions [Base Channel 01 Horizontal 30MHz ~ 1GHz]	18
Table 6	Open Field Radiated Emissions [Base Channel 01 Horizontal 1GHz ~ 18GHz]	19
Table 7	Open Field Radiated Emissions [Base Channel 01 Vertical 30MHz ~ 1GHz]	20
Table 8	Open Field Radiated Emissions [Base Channel 01 Vertical 1GHz ~ 18GHz]	21
Table 9	Open Field Radiated Emissions [Base Channel 60 Horizontal 30MHz ~ 1GHz]	22
Table 10	Open Field Radiated Emissions [Base Channel 60 Horizontal 1GHz ~ 18GHz]	23
Table 11	Open Field Radiated Emissions [Base Channel 60 Vertical 30MHz ~ 1GHz]	24
Table 12	Open Field Radiated Emissions [Base Channel 60 Vertical 1GHz ~ 18GHz]	25
Table 13	Open Field Radiated Emissions [Handset Channel 01 Horizontal 30MHz ~ 1GHz]	26
Table 14	Open Field Radiated Emissions [Handset Channel 01 Horizontal 1GHz ~ 18GHz]	27
Table 15	Open Field Radiated Emissions [Handset Channel 01 Vertical 30MHz ~ 1GHz]	28
Table 16	Open Field Radiated Emissions [Handset Channel 01 Vertical 1GHz ~ 18GHz]	29
Table 17	Open Field Radiated Emissions [Handset Channel 60 Horizontal 30MHz ~ 1GHz]	30
Table 18	Open Field Radiated Emissions [Handset Channel 60 Horizontal 1GHz ~ 18GHz]	31
Table 19	Open Field Radiated Emissions [Handset Channel 60 Vertical 30MHz ~ 1GHz]	32
Table 20	Open Field Radiated Emissions [Handset Channel 60 Vertical 1GHz ~ 18GHz]	33
Table 21	Verify the Frequency Pairs	34
Appendix A		36

I. GENERAL

1.1 Introduction

The following measurement report is submitted on behalf of Applicant in support of a Cordless Telephone certification in accordance with Part 2 Subpart J and Part 15 Subpart A and C of the Commission's Rules and Regulations.

1.2 Description of EUT

EUT	:	900 MHz Analog Cordless Phone
Model No.	:	CT-9001
FCC ID	:	BUSCT-9001
Frequency Range	:	Base: 902.100 – 903.575 MHz Handset: 926.100 – 927.575 MHz
Support Channel	:	60 Channel
Power Type	:	Base Powered by 120 Vac 60 Hz / 9 Vdc 300 mA Handset powered by 3.6 V / 610 mAh.
Power Cord	:	Non-shielded
Data Cable	:	RJ-11C x 1 => Non-shielded, 7' long, Plastic hoods, No bead
Applicant	:	ZENY CORPORATION 4-1, FL., 57, FU HSING N. RD., TAIPEI, TAIWAN.

1.3 Description of Support Equipment

In order to construct the minimum testing, following equipment were used as the support units.

PABX	:	King Design
Model No.	:	KD8705-A
Serial No.	:	GV101101186
Power type	:	110 VAC 50/60Hz
Power cord	:	Non - Shielded

1.4 Configuration of System Under Test

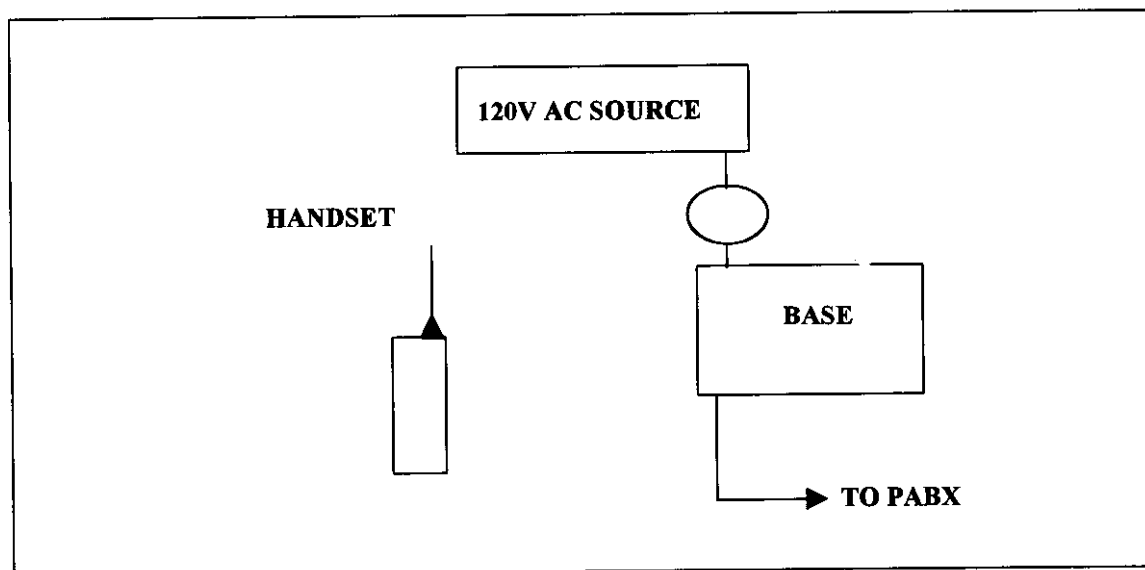


Fig. 1 Configuration of system under test

During testing the EUT was connected to PABX. A diagram of the complete test configuration was shown in Fig 1.

1.5 Test Procedure

All measurements contained in this report were performed mainly according to the techniques described in Measurement procedure ANSI C63.4 (1992).

1.6 Location of the Test Site

The radiated emissions measurements required by the rules were performed on the three-meter, open-field test site maintained by *Training Research Co., Ltd.* No. 5-3, Lane 21, Yen-Chiu-Yuan Rd., Sec. 4, Taipei, Taiwan, R.O.C. Complete description and measurement data have been placed on file with the commission. The conducted power line emissions tests and other test items were performed in a shielded enclosure also located at Training Research Co., Ltd. 2, Lane 194, Huan-Ho Street, Hsichih, Taipei Hsien 221, Taiwan, R.O.C. *Training Research Co., Ltd.* is listed by the FCC as a facility available to do measurement work for others on a contract basis.

1.7 General Test Condition

The conditions under which the EUT operates were varied to determine their effect on the equipment's emission characteristics. The final configuration of the test system and the mode of operation used during these tests was chosen as that which produced the highest emission levels. However, only those conditions which the EUT was considered likely to encounter in normal use were investigated.

In test, the base and handset are tested separately. They were set in Ch01, Ch60 of EUT and continuously transmitting mode that controlled by test mode of EUT.

II. Conducted Emissions Measurements

2.1 Test Condition & Setup

The power line conducted emission measurements were performed in a shielded enclosure. The EUT was assembled on a wooden table which is 80 centimeters high, was placed 40 centimeters from the backwall and at least 1 meter from the sidewall.

Power was fed to the EUT from the public utility power grid through a line filter and EMCO Model 3825/2 Line Impedance Stabilization Networks (LISNs). The LISN housing, measuring instrumentation case, ground plane, etc., were electrically bonded together at the same RF potential. The Spectrum analyzer was connected to the AC line through an isolation transformer. The 50-ohm output of the LISN was connected to the spectrum analyzer directly. Conducted emission levels were in the CISPER quasi-peak detection mode. The analyzer's 6 dB bandwidth was set to 9 KHz. No post-detector video filter was used.

The spectrum was scanned from 450 KHz to 30 MHz. The physical arrangement of the test system and associated cabling was varied (within the scope of arrangements likely to be encountered in actual use) to determine the effect on the unit's emanations in amplitude and frequency. All spurious emission frequencies were observed. The highest emission amplitudes relative to the appropriate limit were measured and have been recorded in paragraph 2.4.

There are three test conditions apply in this test item, the test procedure description as the following:

2.2 List of Test Instruments

Manufacturer	Device	Model	Input impedance
Hewlett Packard	100Hz-1.5GHz Spectrum Analyzer	HP8591EM	50.00
EMCO	Line Impedance Stabilization Network	3825/2	50.00
TRC	Shielded Room	TRC-SR1	N/A

2.4 Test Result of Conducted Emissions

The following table shows a summary of the highest emissions of power line conducted emissions on the HOT and NATURAL conductors of the EUT power cord.

Model No. : CT-9001

EUT : 900 MHz Analog Cordless Phone

Table 1 Power Line Conducted Emissions (Channel 01)

Power	Connected	Emissions	FCC	Class B
Conductor	Frequency (KHz)	Peak Amplitude (dBuV)	Limit (dBuV)	Margin (dB)
Line 1	783.00	20.06	48.00	-27.94
	25870.00	24.01	48.00	-23.99
	29590.00	23.53	48.00	-24.47

LINE 2	25870.00	22.11	48.00	-20.00
	29590.00	22.72	48.00	-22.45

NOTE:

- Margin = Peak Amplitude - Limit
- A "+" sign in the margin column means the emission is OVER the Class B Limit and "-" sign of means UNDER the Class B limit.

Table 2 Power Line Conducted Emissions (Channel 60)

Power	Connected	Emissions	FCC	Class B
Conductor	Frequency (KHz)	Peak Amplitude (dBuV)	Limit (dBuV)	Margin (dB)
Line 1	25870.00	24.25	48.00	-23.75
	28360.00	20.28	48.00	-27.72
	29590.00	23.71	48.00	-24.29

LINE 2	25870.00	21.49	48.00	-26.51
	29590.00	23.16	48.00	-24.84

Table 3 Power Line Conducted Emissions (Charge Mode)

Power	Connected	Emissions	FCC	Class B
Conductor	Frequency (KHz)	Peak Amplitude (dBuV)	Limit (dBuV)	Margin (dB)
Line 1	20660.00	21.51	48.00	-26.49
	23200.00	20.30	48.00	-27.70
	24470.00	25.32	48.00	-22.68
	25870.00	25.10	48.00	-22.90

LINE 2	24470.00	23.09	48.00	-24.91
	25870.00	24.76	48.00	-23.24

III. Radiated Emissions Measurements

3.1 Test Condition & Setup

Prior to open-field testing, the EUT was placed in a shielded enclosure and scanned at a close distance to determine its emission characteristics. The physical arrangement of the EUT was varied (within the scope of arrangements likely to be encountered in actual use) to determine the effect on the unit's emanations in amplitude, directivity, and frequency. The exact system configuration which produced the highest emissions was noted so it could be reproduced later during the open-field tests. This was done to ensure that the final measurements would demonstrate the worst-case interference potential of the EUT.

Final radiation measurements were made on a three-meter, open-field test site. The EUT system was placed on a nonconductive turntable which is 0.8 meters height, top surface 1.0 x 1.5 meter.

The spectrum was examined from 30 MHz to 1000 MHz using an Hewlett Packard 8594EM Spectrum Analyzer, EMCO whole range Antenna is used to measure frequency from 30 MHz to 1GHz. The final test is used the spectrum HP 8594EM and spectrum was examined from 1 GHz to 18GHz using an Hewlett Packard 8592A Spectrum Analyzer, EMCO Horn Antenna (Model 3115) for 1 G - 18 GHz.

At each frequency, the EUT was rotated 360 degrees, and the antenna was raised and lowered from one to four meters to find the maximum emission levels. Measurements were taken using both horizontal and vertical antenna polarization.

Appropriate preamplifiers were used for improving sensitivity and precautions were taken to avoid overloading or desensitizing the spectrum analyzer. There are two spectrum analyzers use on this testing , HP8568b for frequency 30MHz to 1000MHz, and HP8592A for frequency 1 GHz to 18 GHz. No post-detector video filters were used in the test. The spectrum analyzer's 6 dB bandwidth was set to 120 KHz (spectrum was examined from 30 MHz to 1000 MHz), the spectrum analyzer's 6 dB bandwidth was set to 1 MHz (spectrum was examined from 1 GHz to 18GHz) and the analyzer was operated in the maximum hold mode.

The actual field intensity in decibels referenced to 1 microvolt per meter (dBuV/m) is determined by algebraically adding the measured reading in dBuV, the antenna factor (dB), and cable loss (dB) at the appropriate frequency.

For frequency between 30MHz to 1000MHz

$F_{Ia} \text{ (dBuV/m)} = F_{Ir} \text{ (dBuV)} + \text{Correction Factors}$

F_{Ia} : Actual Field Intensity

F_{Ir} : Reading of the Field Intensity

Correction Factors = Antenna Factor + Cable Loss

For frequency between 1GHz to 18GHz

$F_{Ia} \text{ (dBuV/m)} = F_{Ir} \text{ (dBuV)} + \text{Correction Factor}$

F_{Ia} : Actual Field Intensity

F_{Ir} : Reading of the Field Intensity

Correction Factors = Antenna Factor + Cable Loss – Distance Factor (9.54dB) – Amplifier Gain

3.2 List of Test Instruments

Manufacturer	Device	Model	Input Impedance
Hewlett Packard	.100Hz – 1.5GHz Spectrum Analyzer	HP8568B	50.00
Hewlett Packard	.10KHz – 1GHz Quasi-peak Adapter	HP85650A	50.00
Hewlett Packard	.20Hz – 2GHz RF Preselector	HP85685A	50.00
Hewlett Packard	.50KHz – 22GHz Spectrum Analyzer	HP8592A	50.00
Hewlett Packard	.9KHz – 2.9GHz Spectrum Analyzer	HP8594EM	50.00

3.4 Test Result of Radiated Emissions

The peak values of fundamental emissions from the EUT at various antenna heights, antenna polarization, EUT orientation, etc. are recorded on the following.

Model No. : CT-9001
EUT : 900 MHz Analog Cordless Phone

Table 4 Open Field Fundamental Emissions

Channel	Frequency (MHz)	A.P. (H/V)	A.H. (CM)	Table (degree)	Amplitude (Peak) (dBuV/m)	Limit (dBuV)	Margin (dBuV)
Base 01	902.100	H	100.00	194	76.34	94.00	-17.66
		V	100.00	219	75.84	94.00	-18.16
Base 60	903.575	H	100.00	192	76.67	94.00	-17.33
		V	100.00	221	75.37	94.00	-18.63
Handset 01	926.100	H	100.00	168	81.72	94.00	-12.28
		V	100.00	13	88.92	94.00	-5.08
Handset 60	927.575	H	100.00	180	83.98	94.00	-10.02
		V	100.00	14	91.58	94.00	-2.42

Note:

1. A. P. means antenna polarization, horizontal and vertical.
2. A. H. means antenna height.
3. Table means turntable turning position.
4. Amplitude means the fundamental emission measured.
5. Margin = Amplitude-limit

3.5 Test Result of Spurious Radiated Emissions

The highest peak values of radiated emissions from the EUT at various antenna heights, antenna polarization, EUT orientation, etc. are recorded on the following.

Model No. : CT-9001

EUT : 900 MHz Analog Cordless Phone

Table 5 Open Field Radiated Emissions for 30MHz ~ 1GHz [Channel 01, Base Horizontal]

Radiated Emission				Correction Factors (dB)	Corrected Amplitude (dBuV/m)	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBuV/m)	Ant.H. (cm)	Table (°)			Limit (dBuV/m)	Margin (dB)
451.050	37.90	1.00	308	-3.05	34.85	46.00	-11.15
468.400	38.60	1.00	46	-2.22	36.38	46.00	-9.62
936.800	36.40	1.00	127	7.82	44.22	46.00	-1.78

Note:

1. Margin = Corrected - Limit.
2. Peak Amplitude + Correction Factors = Corrected

Table 6 Open Field Radiated Emissions for 1GHz ~ 18GHz [Channel 01, Base Horizontal]

Radiated Emission				Correction Factors	Distance	Corrected Amplitude	FCC Class B (3 M)	
Frequency (GHz)	Amplitude (dBuV/m)	Ant.H. (cm)	Table (°)				Limit (dBuV/m)	Margin (dB)
1.804	53.49	100.00	96	-8.67	-9.54	35.28	54	-18.72
2.240	60.27	100.00	158	-8.67	-9.54	42.06	54	-11.94
2.680	58.49	100.00	120	-8.67	-9.54	40.28	54	-13.72
3.150	51.83	100.00	106	-6.84	-9.54	35.45	54	-18.55
4.060	59.96	100.00	48	-5.64	-9.54	44.78	54	-9.22
4.660	42.75	100.00	159	3.91	-9.54	37.12	54	-16.88
4.940	44.41	100.00	254	3.91	-9.54	38.78	54	-15.22
5.850	46.27	100.00	261	9.72	-9.54	46.45	54	-7.55
6.290	50.60	100.00	209	9.72	-9.54	50.78	54	-3.22
6.750	43.17	100.00	336	9.72	-9.54	43.35	54	-10.65
8.570	43.10	100.00	205	9.72	-9.54	43.28	54	-10.72

Note:

1. Margin = Corrected - Limit.
2. Peak Amplitude + Correction Factor + Distance= Corrected

Table 7 Open Field Radiated Emissions for 30MHz ~ 1GHz [Channel 01, Base Vertical]

Radiated Emission				Correction Factors (dB)	Corrected Amplitude (dBuV/m)	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBuV/m)	Ant.H. (cm)	Table (°)			Limit (dBuV/m)	Margin (dB)
451.050	35.30	1.00	331	-3.05	32.25	46.00	-13.75
936.800	35.60	1.00	109	7.82	43.42	46.00	-2.58

Table 8 Open Field Radiated Emissions for 1GHz ~ 18GHz [Channel 01, Base Vertical]

Radiated Emission				Correction Factors (dB)	Distance (dB)	Corrected Amplitude (dBuV/m)	FCC Class B (3 M)	
Frequency (GHz)	Amplitude (dBuV/m)	Ant.H. (cm)	Table (°)				Limit (dBuV/m)	Margin (dB)
1.804	55.83	100.00	166	-8.67	-9.54	37.62	54	-16.38
2.240	63.66	100.00	158	-8.67	-9.54	45.45	54	-8.55
2.680	61.49	100.00	47	-8.67	-9.54	43.28	54	-10.72
3.150	55.50	100.00	46	-6.84	-9.54	39.12	54	-14.88
4.060	62.63	100.00	229	-5.64	-9.54	47.45	54	-6.55
4.660	43.41	100.00	169	3.91	-9.54	37.78	54	-16.22
4.940	42.91	100.00	178	3.91	-9.54	37.28	54	-16.72
5.850	42.44	100.00	258	9.72	-9.54	42.62	54	-11.38
6.290	47.60	100.00	269	9.72	-9.54	47.78	54	-6.22
6.750	41.44	100.00	201	9.72	-9.54	41.62	54	-12.38
8.570	40.44	100.00	225	9.72	-9.54	40.62	54	-13.38

Table 9 Open Field Radiated Emissions for 30MHz ~ 1GHz [Channel 60, Base Horizontal]

Radiated Emission				Correction Factors (dB)	Corrected Amplitude (dBuV/m)	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBuV/m)	Ant.H. (cm)	Table (°)			Limit (dBuV/m)	Margin (dB)
451.787	38.00	1.00	0	-3.01	34.99	46.00	-11.01
469.138	40.40	1.00	44	-2.18	38.22	46.00	-7.78
938.275	35.80	1.00	125	7.84	43.64	46.00	-2.36

Table 10 Open Field Radiated Emissions For 1GHz ~ 18GHz [Channel 60, Base Horizontal]

Radiated Emission				Correction Factors (dB)	Distance (dB)	Corrected Amplitude (dBuV/m)	FCC Class B (3 M)	
Frequency (GHz)	Amplitude (dBuV/m)	Ant.H. (cm)	Table (°)				Limit (dBuV/m)	Margin (dB)
1.807	56.66	100.00	336	-8.67	-9.54	38.45	54	-15.55
2.240	65.99	100.00	251	-8.67	-9.54	47.78	54	-6.22
2.330	55.99	100.00	104	-8.67	-9.54	37.78	54	-16.22
2.680	61.66	100.00	350	-8.67	-9.54	43.45	54	-10.55
3.150	52.83	100.00	5	-6.84	-9.54	36.45	54	-17.55
3.260	50.83	100.00	158	-6.84	-9.54	34.45	54	-19.55
3.590	49.50	100.00	160	-6.84	-9.54	33.12	54	-20.88
4.060	59.64	100.00	254	-5.64	-9.54	44.46	54	-9.54
4.690	41.75	100.00	209	3.91	-9.54	36.12	54	-17.88
5.850	45.94	100.00	251	9.72	-9.54	46.12	54	-7.88
6.310	49.27	100.00	326	9.72	-9.54	49.45	54	-4.55
6.780	44.94	100.00	229	9.72	-9.54	45.12	54	-8.88

Table 11 Open Field Radiated Emissions for 30MHz ~ 1GHz [Channel 60, Base Vertical]

Radiated Emission				Correction Factors (dB)	Corrected Amplitude (dBuV/m)	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBuV/m)	Ant.H. (cm)	Table (°)			Limit (dBuV/m)	Margin (dB)
451.790	35.10	1.00	311	-3.01	32.09	46.00	-13.91
938.275	34.40	1.00	106	7.84	42.24	46.00	-3.76

Table 12 Open Field Radiated Emissions for 1GHz ~ 18GHz [Channel 60, Base Vertical]

Radiated Emission				Correction Factors (dB)	Distance (dB)	Corrected Amplitude (dBuV/m)	FCC Class B (3 M)	
Frequency (GHz)	Amplitude (dBuV/m)	Ant.H. (cm)	Table (°)				Limit (dBuV/m)	Margin (dB)
1.807	55.49	100.00	36	-8.67	-9.54	37.28	54	-16.72
2.240	64.83	100.00	250	-8.67	-9.54	46.62	54	-7.38
2.330	55.66	100.00	229	-8.67	-9.54	37.45	54	-16.55
2.680	62.16	100.00	258	-8.67	-9.54	43.95	54	-10.05
3.150	55.50	100.00	214	-6.84	-9.54	39.12	54	-14.88
3.260	54.66	100.00	2	-6.84	-9.54	38.28	54	-15.72
3.590	54.16	100.00	325	-6.84	-9.54	37.78	54	-16.22
4.060	62.46	100.00	301	-5.64	-9.54	47.28	54	-6.72
4.690	44.75	100.00	358	3.91	-9.54	39.12	54	-14.88
5.850	42.44	100.00	336	9.72	-9.54	42.62	54	-11.38
6.310	46.94	100.00	107	9.72	-9.54	47.12	54	-6.88
6.780	43.77	100.00	19	9.72	-9.54	43.95	54	-10.05

Table 13 Open Field Radiated Emissions for 30MHz ~ 1GHz [Channel 01, Handset Horizontal]

[illegible]

Table 14 Open Field Radiated Emissions for 1GHz ~ 18GHz [Channel 01, Handset Horizontal]

Radiated Emission				Correction Factors	Distance	Corrected Amplitude	FCC Class B (3 M)	
Frequency (GHz)	Amplitude (dBuV/m)	Ant.H. (cm)	Table (°)				Limit (dBuV/m)	Margin (dB)
1.852	49.66	100.00	252	-8.67	-9.54	31.45	54	-22.55
2.220	52.03	100.00	59	-8.67	-9.54	33.82	54	-20.18
2.300	63.87	100.00	247	-8.67	-9.54	45.66	54	-8.34
2.660	51.99	100.00	152	-8.67	-9.54	33.78	54	-20.22
2.770	54.33	100.00	147	-6.84	-9.54	37.95	54	-16.05
3.100	51.83	100.00	196	-6.84	-9.54	35.45	54	-18.55
3.230	49.33	100.00	311	-6.84	-9.54	32.95	54	-21.05
3.560	55.66	100.00	250	-6.84	-9.54	39.28	54	-14.72
5.540	43.60	100.00	10	9.72	-9.54	43.78	54	-10.22
6.010	39.60	100.00	109	9.72	-9.54	39.78	54	-14.22
6.480	42.10	100.00	281	9.72	-9.54	42.28	54	-11.72

Table 15 Open Field Radiated Emissions for 30MHz ~ 1GHz [Channel 01, Handset Vertical]

[illegible]

Table 16 Open Field Radiated Emissions for 1GHz ~ 18GHz [Channel 01, Handset Vertical]

Radiated Emission				Correction Factors (dB)	Distance (dB)	Corrected Amplitude (dBuV/m)	FCC Class B (3 M)	
Frequency (GHz)	Amplitude (dBuV/m)	Ant.H. (cm)	Table (°)				Limit (dBuV/m)	Margin (dB)
1.852	54.83	100.00	102	-8.67	-9.54	36.62	54	-17.38
2.300	61.33	100.00	198	-8.67	-9.54	43.12	54	-10.88
2.660	54.66	100.00	32	-8.67	-9.54	36.45	54	-17.55
2.770	54.83	100.00	36	-6.84	-9.54	38.45	54	-15.55
3.100	50.50	100.00	244	-6.84	-9.54	34.12	54	-19.88
3.230	55.16	100.00	105	-6.84	-9.54	38.78	54	-15.22
3.560	53.50	100.00	189	-6.84	-9.54	37.12	54	-16.88
5.540	42.60	100.00	101	9.72	-9.54	42.78	54	-11.22
6.010	36.10	100.00	159	9.72	-9.54	36.28	54	-17.72
6.480	42.44	100.00	25	9.72	-9.54	42.62	54	-11.38

Table 17 Open Field Radiated Emissions for 30MHz ~ 1GHz [Channel 60, Handset Horizontal]

[illegible]

Table 18 Open Field Radiated Emissions for 1GHz ~ 18GHz [Channel 60, Handset Horizontal]

Radiated Emission				Correction Factors (dB)	Distance (dB)	Corrected Amplitude (dBuV/m)	FCC Class B (3 M)	
Frequency (GHz)	Amplitude (dBuV/m)	Ant.H. (cm)	Table (°)				Limit (dBuV/m)	Margin (dB)
1.855	49.56	100.00	215	-8.67	-9.54	31.35	54	-22.65
2.220	52.16	100.00	210	-8.67	-9.54	33.95	54	-20.05
2.330	62.00	100.00	154	-8.67	-9.54	43.79	54	-10.21
2.660	50.33	100.00	136	-8.67	-9.54	32.12	54	-21.88
2.770	54.66	100.00	17	-6.84	-9.54	38.28	54	-15.72
3.100	51.00	100.00	192	-6.84	-9.54	34.62	54	-19.38
3.230	49.16	100.00	105	-6.84	-9.54	32.78	54	-21.22
3.560	56.16	100.00	189	-6.84	-9.54	39.78	54	-14.22
3.700	49.46	100.00	223	-5.64	-9.54	34.28	54	-19.72
4.000	53.46	100.00	269	-5.64	-9.54	38.28	54	-15.72
4.640	43.91	100.00	58	3.91	-9.54	38.28	54	-15.72
5.540	47.10	100.00	176	9.72	-9.54	47.28	54	-6.72
6.480	41.60	100.00	206	9.72	-9.54	41.78	54	-12.22

Table 20 Open Field Radiated Emissions for 1GHz ~ 18GHz [Channel 60, Handset Vertical]

Radiated Emission				Correction Factors (dB)	Distance (dB)	Corrected Amplitude (dBuV/m)	FCC Class B (3 M)	
Frequency (GHz)	Amplitude (dBuV/m)	Ant.H. (cm)	Table (°)				Limit (dBuV/m)	Margin (dB)
1.855	54.83	100.00	144	-8.67	-9.54	36.62	54	-17.38
2.330	61.33	100.00	166	-8.67	-9.54	43.12	54	-10.88
2.660	55.99	100.00	158	-8.67	-9.54	37.78	54	-16.22
2.770	57.16	100.00	123	-8.67	-9.54	38.95	54	-15.05
3.100	50.83	100.00	17	-6.84	-9.54	34.45	54	-19.55
3.230	55.50	100.00	201	-6.84	-9.54	39.12	54	-14.88
3.560	54.50	100.00	29	-6.84	-9.54	38.12	54	-15.88
3.700	53.00	100.00	226	-6.84	-9.54	36.62	54	-17.38
4.000	55.80	100.00	334	-5.64	-9.54	40.62	54	-13.38
4.640	52.80	100.00	289	-5.64	-9.54	37.62	54	-16.38
5.540	49.25	100.00	256	3.91	-9.54	43.62	54	-10.38
6.480	48.08	100.00	26	3.91	-9.54	42.45	54	-11.55

IV. Verify Frequencies and Channels

Table 21 Verify the Frequency Pairs

Channel	Handset (MHz)	Base (MHz)	Channel	Handset (MHz)	Base (MHz)
1	926.100	902.100	31	926.850	902.850
2	926.125	902.125	32	926.875	902.875
3	926.150	902.150	33	926.900	902.900
4	926.175	902.175	34	926.925	902.925
5	926.200	902.200	35	926.950	902.950
6	926.225	902.225	36	926.975	902.975
7	926.250	902.250	37	927.000	903.000
8	926.275	902.275	38	927.025	903.025
9	926.300	902.300	39	927.050	903.050
10	926.325	902.325	40	927.075	903.075
11	926.350	902.350	41	927.100	903.100
12	926.375	902.375	42	927.125	903.125
13	926.400	902.400	43	927.150	903.150
14	926.425	902.425	44	927.175	903.175
15	926.450	902.450	45	927.200	903.200
16	926.475	902.475	46	927.225	903.225
17	926.500	902.500	47	927.250	903.250
18	926.525	902.525	48	927.275	903.275
19	926.550	902.550	49	927.300	903.300
20	926.575	902.575	50	927.325	903.325
21	926.600	902.600	51	927.350	903.350
22	926.625	902.625	52	927.375	903.375
23	926.650	902.650	53	927.400	903.400
24	926.675	902.675	54	927.425	903.425
25	926.700	902.700	55	927.450	903.450
26	926.725	902.725	56	927.475	903.475
27	926.750	902.750	57	927.500	903.500
28	926.775	902.775	58	927.525	903.525
29	926.800	902.800	59	927.555	903.550
30	926.825	902.825	60	927.575	903.575

Note: *This is for sure that all frequencies are in 902 MHz to 928 MHz.*

Section 15.214(d) The security code is set automatic :

Every time when you place the handset in the base, your cordless will randomly select one of 65,000 possible security codes.

Appendix A

The antenna of the device is screwed inside the device, the user can not remove it freely without any tools from outside the device. This is comply with the FCC rules part 15.203

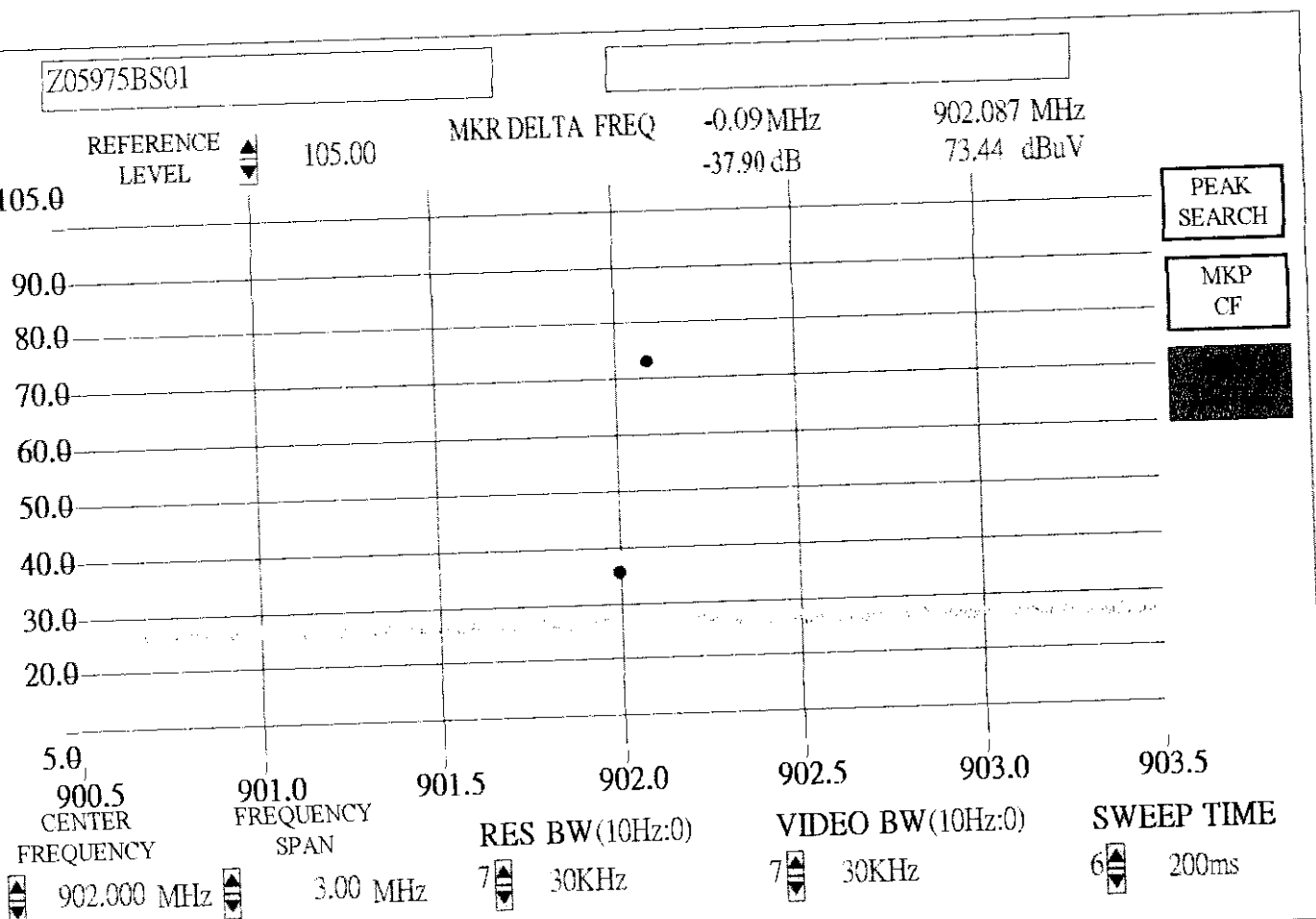
Za.vi
 modified on 1998/12/25 at PM 02:27
 d on 1999/3/19 at PM 10:25

ector Pane



900M Za.vi

t Panel



APPENDIX A-1
 Check Frequency on 902 - 928 MHz



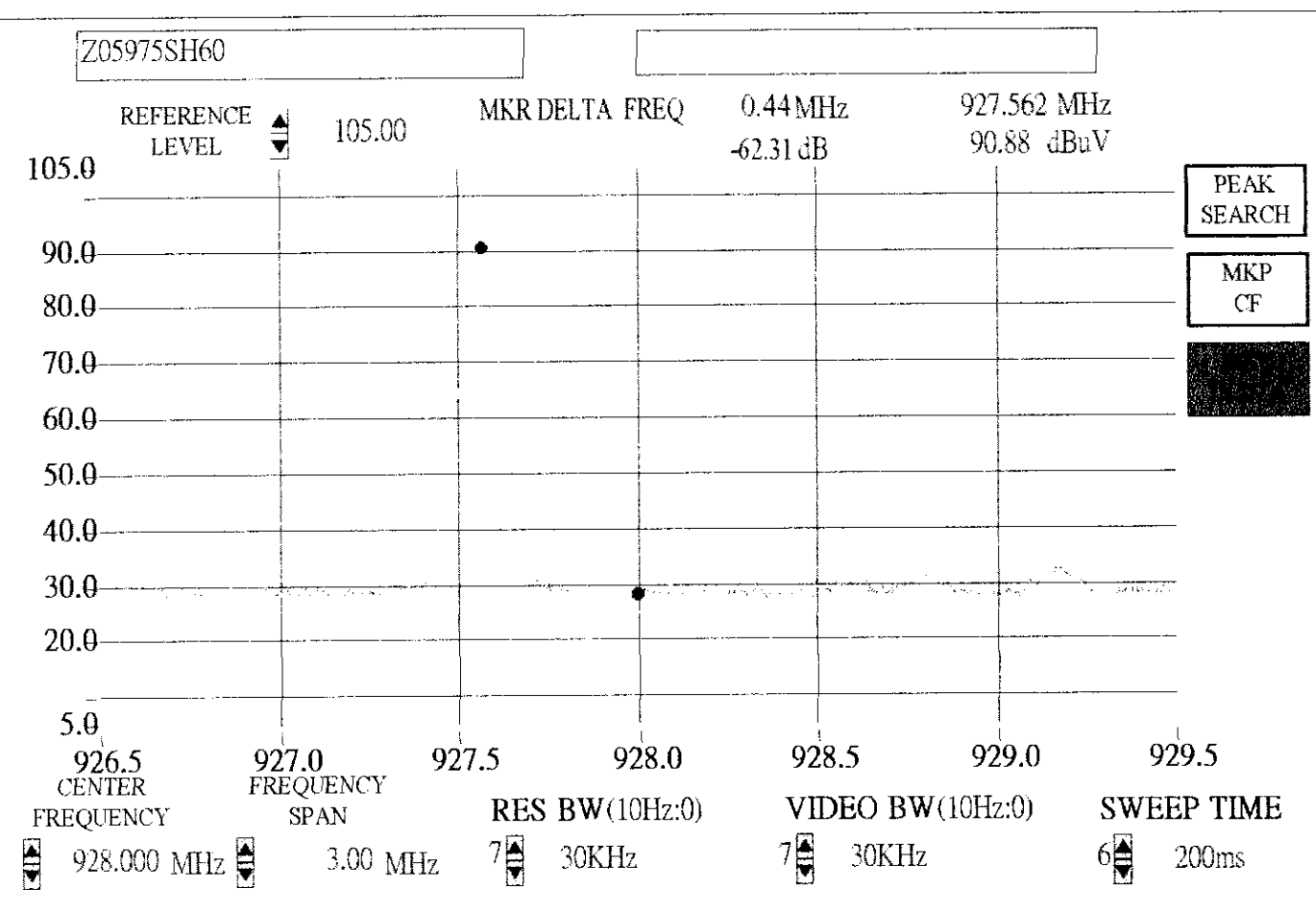
last modified on 1998/12/25 at PM 02:27
 printed on 1999/3/19 at PM 10:01

Connector Pane



900MZA.vi

Front Panel



APPENDIX A-2

Check Frequency on 902 - 928 MHz

EXHIBIT C

User Manual