EXHIBIT B

Test Report

MEASUREMENT REPORT
of
CORDLESS TELEPHONE

Applicant : Teledex Corporation

Model No. : CL2910, CL9010, TH2S

EUT : 2 Line 900MHz Cordless Speakerphone Telephone

FCC ID : DXACL2910

Report No. : S2115902

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	:	Teledex Corporation
Model No.	:	CL2910, CL9010, TH2S
EUT	:	2 Line 900MHz Cordless Speakerphone Telephone
FCC ID	:	DXACL2910
Report No.	:	S2115902
Test Date	:	July 11, 2000

Prepared by: *JACK TSAI* **Approved by:** *FRANK TSAI*

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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	**:**	2 Line 900MHz Cordless Speakerphone Telephone
Model No.	**:**	CL2910, CL9010, TH2S
FCC ID	**:**	DXACL2910
Frequency Range	**:**	Base: 902.075 – 904.075 MHz Handset: 924.000 – 926.000 MHz
Support Channel	**:**	161 Channel
Power Type	**:**	Base Powered by 120Vac 60Hz / 9Vdc 300mA, 9Vdc 100mA Handset powered by 3.6V / 600mAh.
Power Cord	**:**	N/A
Data Cable	**:**	RJ-11 x 2 => Non-shielded, 7' long, Plastic hoods, No bead RJ-45 x 1 => Non-shielded, 7' long, Plastic hoods, No bead
Applicant	**:**	Teledex Corporation 3914 Murphy Canyon Rd., Suite A-207, San Diego, CA 95131, USA

1.3 Description of Support Equipment

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

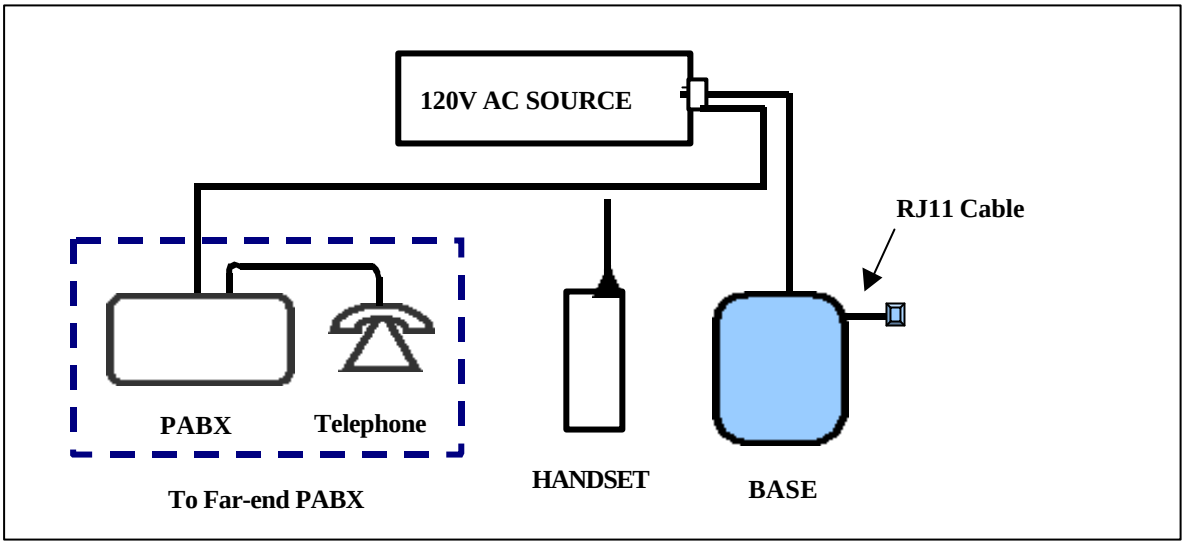


Fig. 1 Configuration of system under test

During testing the EUT was connected with a terminated. 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**, **Anechoic Chamber (Registration Number: 93906)** maintained by *Training Research Co., Ltd.* 1F., No. 2, Lane 194, Huan-Ho Street, Hsichih, Taipei Hsien 221, 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 anechoic chamber also located at Training Research Co., Ltd. 1F, No. 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, Ch161 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 an anechoic chamber. 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 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 (or EMI receiver) 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.

2.2 List of Test Instruments

				Calibration Date	
Instrument Name	Model No.	Brand	Serial No.	Last time	Next time
EMI Receiver	8546A	H P	3520A00242	10/01/99	10/01/00
RF Filter Section	85460A	H P	3448A00217	10/01/99	10/01/00
LISN (EUT)	LISN-01	TRC	9912-03,04	12/09/99	12/09/00
LISN (Support E.)	LISN-01	TRC	9912-05	01/04/00	01/04/01
Switch/Control Unit (< 30MHz)	3488A	HP	N/A	11/20/99	11/20/00
Auto Switch Box (< 30MHz)	ASB-01	TRC	9904-01	11/20/99	11/20/20

2.3 Test Configuration of Conducted Emission

Fig. 1 Conducted Emissions Test Configuration (Charging only)

Fig. 2 Conducted Emissions Test Configuration (Charging only)

Fig. 1 Conducted Emissions Test Configuration (Operating only)

Fig. 2 Conducted Emissions Test Configuration (Operating only)

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. : CL2910, CL9010, TH2S

EUT : 2 Line 900MHz Cordless Speakerphone Telephone

Table 1 Power Line Conducted Emissions (Channel 1)

Power Connected Emissions			*FCC Class B*	
Conductor	***Frequency (KHz)***	***Peak Amplitude (dB μV)***	***Limit (dB μV)***	***Margin (dB)***
Line 1	545.00	20.17	48.00	-27.83
	568.00	21.27	48.00	-26.73
	2040.00	21.10	48.00	-26.90
	3970.00	23.22	48.00	-24.78
	28570.00	25.40	48.00	-22.60
	***			
LINE 2	538.00	20.56	48.00	-27.44
	564.00	22.90	48.00	-25.10
	749.00	20.07	48.00	-27.93
	857.00	21.06	48.00	-26.94
	1974.00	20.14	48.00	-27.86
	2040.00	20.41	48.00	-27.59
	3970.00	22.29	48.00	-25.71
	28570.00	27.57	48.00	-20.43
	***			

Note:

1. Margin = Peak Amplitude - Limit
2. 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 161)

Power Connected Emissions			*FCC Class B*	
Conductor	*Frequency (KHz)*	*Peak Amplitude (dB μV)*	*Limit (dB μV)*	*Margin (dB)*
Line 1	568.00	21.30	48.00	-26.70
	628.00	20.51	48.00	-27.49
	857.00	20.78	48.00	-27.22
	3970.00	22.37	48.00	-25.63
	28570.00	23.80	48.00	-24.20
	***			
LINE 2	568.00	23.23	48.00	-24.77
	857.00	20.00	48.00	-28.00
	1077.00	20.34	48.00	-27.66
	3970.00	23.16	48.00	-24.84
	5220.00	20.05	48.00	-27.95
	26910.00	20.18	48.00	-27.82
	28570.00	27.75	48.00	-20.25
	***			

Table 3 Power Line Conducted Emissions (Charging)

Power Connected Emissions			*FCC Class B*	
Conductor	*Frequency (KHz)*	*Peak Amplitude (dB μV)*	*Limit (dB μV)*	*Margin (dB)*
Line 1	568.00	22.03	48.00	-25.97
	857.00	20.54	48.00	-27.46
	3970.00	21.87	48.00	-26.13
	25000.00	21.03	48.00	-26.97
	26910.00	21.33	48.00	-26.67
	28570.00	26.15	48.00	-25.90
	***			
LINE 2	571.00	23.51	48.00	-24.49
	769.00	20.71	48.00	-27.29
	857.00	20.05	48.00	-27.95
	2180.00	20.59	48.00	-27.41
	3970.00	22.46	48.00	-25.54
	5050.00	20.08	48.00	-27.92
	25000.00	20.83	48.00	-27.17
	26910.00	21.90	48.00	-26.10
	28570.00	27.71	48.00	-20.29
	***			

Ⅲ. Radiated Emissions Measurements

3.1 Test Condition & Setup

The EUT was placed in a anechoic chamber and scanned at 3 meter 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 final 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, anechoic chamber. 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 30MHz to 1000MHz using an Hewlett Packard 8546A & 85460A EMI Receiver, SCHAFFNER whole range Bi-Log antenna (Model No.: CBL6141A) is used to measure frequency from 30 MHz to 1GHz.The final test is used the spectrum HP 8546A & 85460A and spectrum was examined from 1 GHz to 18GHz using an Hewlett Packard 8564E Spectrum Analyzer, EMCO Horn Antenna (Model 3115) for 1G to 18G Hz.

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 , HP 8546A & 85460A for frequency 30MHz to 1000MHz, and 8564E 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 (dBμV/m) is determined by algebraically adding the measured reading in dBμV, the antenna factor (dB), and cable loss (dB) at the appropriate frequency.

For frequency between 30MHz to 1000MHz

FIa (dBuV/m) = FIr (dBuV) – Correction Factors

FIa : Actual Field Intensity

FIr : Reading of the Field Intensity

Correction Factor = Antenna Factor + (Cable Loss – Amplitude Gain)

For frequency between 1GHz to 18GHz

FIa (dBuV/m) = FIr (dBuV) + Correction Factor

FIa : Actual Field Intensity

FIr : Reading of the Field Intensity

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

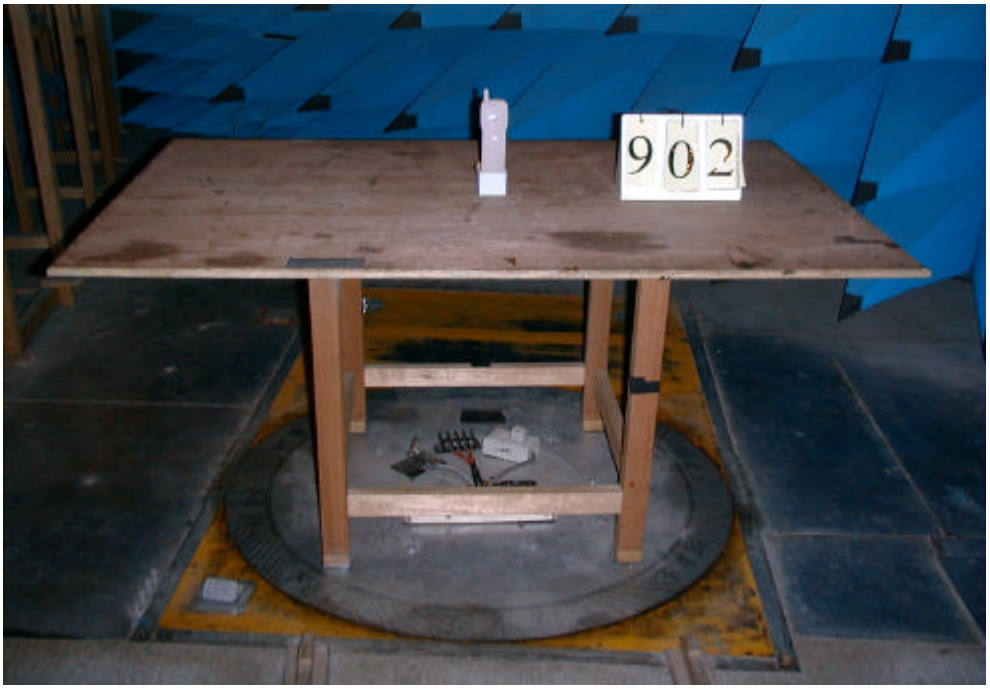
3.2 List of Test Instruments

				Calibration Date	
Instrument Name	Model No.	Brand	Serial No.	Last time	Next time
EMI Receiver	8546A	H P	3520A00242	10/01/99	10/01/00
RF Filter Section	85460A	H P	3448A00217	10/01/99	10/01/00
Bi-log Antenna	CBL6141A	Schaffner	4151	07/04/00	07/04/01
Switch/Control Unit (> 30MHz)	3488A	HP	N/A	11/20/99	11/20/00
Auto Switch Box (> 30MHz)	ASB-01	TRC	9904-01	11/20/99	11/20/20
Spectrum Analyzer	8564E	HP	US36433002	08/03/99	08/03/00
Microwave Preamplifier	83051A	HP	3232A00347	08/04/99	08/04/00
Horn Antenna	3115	EMCO	9704 – 5178	08/09/99	08/09/00

3.3 Test Configuration of Radiated Emission

Picture 1 Front View of the Test Configuration (BASE)

Picture 2 Rear View of the Test Configuration (BASE)



Picture 1 Front View of the Test Configuration (HANDSET)

Picture 2 Rear View of the Test Configuration (HANDSET)

The test configuration for frequency between 1 GHz to 18 GHz is same as above.

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. : CL2910, CL9010, TH2S

EUT : 2 Line 900MHz Cordless Speakerphone Telephone

Table 4 Open Field Fundamental Emissions

Channel	Frequency (MHz)	A.P. (H/V)	A.H. (m)	Table (degree)	Amplitude (Peak) (dBμV/m)	Limit (dBμV)	Margin (dBμV)
Base 01	902.0750	H	2.48	17	83.93	94.00	-10.07
		V	1.00	128	82.95	94.00	-11.05
Base 161	904.0750	H	2.46	19	87.17	94.00	-6.83
		V	1.00	107	85.62	94.00	-8.38
Handset 01	924.0000	H	1.00	88	77.82	94.00	-16.18
		V	0.99	50	87.32	94.00	-6.68
Handset 161	926.0000	H	3.92	104	80.41	94.00	-13.59
		V	1.01	47	90.02	94.00	-3.98

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 form the EUT at various antenna heights, antenna polarization, EUT orientation, etc. are recorded on the following.

Model No. : CL2910, CL9010, TH2S

EUT : 2 Line 900MHz Cordless Speakerphone Telephone

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

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV/m)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
945.510	12.41	1.00	150	-28.48	40.89	46.00	-5.11
***							

Note:

1. Margin = Corrected – Limit.
2. Peak Amplitude – Correction Factors = Corrected
3. Correction Factor = Antenna Factor + (Cable Loss – Amplitude Gain)

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 (dBμV/m)*	*Ant. H. (cm)*	*Table (°)*	*(dB)*	*(dB)*	*(dBμV/m)*	*Limit (dBμV/m)*	*Margin (dB)*
1.803	57.83	100.00	229	-8.67	-9.54	39.62	54.00	-14.38
1.890	61.66	100.00	17	-8.67	-9.54	43.45	54.00	-10.55
2.705	56.66	100.00	152	-6.84	-9.54	40.28	54.00	-13.72
2.833	50.16	100.00	348	-6.84	-9.54	33.78	54.00	-20.22
3.609	54.46	100.00	201	-5.64	-9.54	39.28	54.00	-14.72
4.511	42.41	100.00	129	3.91	-9.54	36.78	54.00	-17.22
***								

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	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV/m)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
945.510	11.97	1.00	94	-30.02	41.99	46.00	-4.01
***							

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

Radiated Emission				*Correction Factors*	*Distance*	*Corrected Amplitude*	*FCC Class B (3 m)*	
Frequency (GHz)	*Amplitude (dBμV/m)*	*Ant. H. (cm)*	*Table (°)*	*(dB)*	*(dB)*	*(dBμV/m)*	*Limit (dBμV/m)*	*Margin (dB)*
1.803	59.33	100.00	324	-8.67	-9.54	41.12	54.00	-12.88
1.890	65.16	100.00	80	-8.67	-9.54	46.95	54.00	-7.05
2.705	59.66	100.00	59	-6.84	-9.54	43.28	54.00	-10.72
2.833	50.00	100.00	103	-6.84	-9.54	33.62	54.00	-20.38
3.609	55.46	100.00	318	-5.64	-9.54	40.28	54.00	-13.72
4.511	41.41	100.00	91	3.91	-9.54	35.78	54.00	-18.22
***								

Table 9 Open Field Radiated Emissions for 30MHz ~ 1GHz [Channel 161, Base Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV/m)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
947.510	12.73	1.00	150	-28.46	41.19	46.00	-4.81
***							

Table 10 Open Field Radiated Emissions For 1GHz ~ 18GHz [Channel 161, Base Horizontal]

Radiated Emission				*Correction Factors*	*Distance*	*Corrected Amplitude*	*FCC Class B (3 m)*	
Frequency (GHz)	*Amplitude (dBμV/m)*	*Ant. H. (cm)*	*Table (°)*	*(dB)*	*(dB)*	*(dBμV/m)*	*Limit (dBμV/m)*	*Margin (dB)*
1.809	59.33	100.00	235	-8.67	-9.54	41.12	54.00	-12.88
1.895	61.99	100.00	37	-8.67	-9.54	43.78	54.00	-10.22
2.711	56.00	100.00	236	-6.84	-9.54	39.62	54.00	-14.38
2.839	50.83	100.00	15	-6.84	-9.54	34.45	54.00	-19.55
3.617	57.96	100.00	88	-5.64	-9.54	42.78	54.00	-11.22
4.521	44.91	100.00	166	3.91	-9.54	39.28	54.00	-14.72
***								

Table 11 Open Field Radiated Emissions for 30MHz ~ 1GHz [Channel 161, Base Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV/m)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
947.508	13.25	1.00	108	-30.04	43.29	46.00	-2.71
***							

Note:

4. Margin = Corrected – Limit.
5. Peak Amplitude – Correction Factors = Corrected
6. Correction Factor = Antenna Factor + (Cable Loss – Amplitude Gain)

Table 12 Open Field Radiated Emissions for 1GHz ~ 18GHz [Channel 161, Base Vertical]

Radiated Emission				*Correction Factors*	*Distance*	*Corrected Amplitude*	*FCC Class B (3 m)*	
Frequency (GHz)	*Amplitude (dBμV/m)*	*Ant. H. (cm)*	*Table (°)*	*(dB)*	*(dB)*	*(dBμV/m)*	*Limit (dBμV/m)*	*Margin (dB)*
1.809	59.33	100.00	115	-8.67	-9.54	41.12	54.00	-12.88
1.895	66.16	100.00	307	-8.67	-9.54	47.95	54.00	-6.05
2.711	60.33	100.00	26	-6.84	-9.54	43.95	54.00	-10.05
2.839	49.83	100.00	45	-6.84	-9.54	33.45	54.00	-20.55
3.617	59.30	100.00	314	-5.64	-9.54	44.12	54.00	-9.88
4.521	45.75	100.00	250	3.91	-9.54	40.12	54.00	-13.88
***								

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

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV/m)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
880.630	8.05	1.00	10	-26.92	34.97	46.00	-11.03
***							

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 (dBμV/m)*	*Ant. H. (cm)*	*Table (°)*	*(dB)*	*(dB)*	*(dBμV/m)*	*Limit (dBμV/m)*	*Margin (dB)*
1.847	56.83	100.00	191	-8.67	-9.54	38.62	54.00	-15.38
2.769	54.16	100.00	205	-6.84	-9.54	37.78	54.00	-16.22
3.696	53.80	100.00	32	-5.64	-9.54	38.62	54.00	-15.38
***								

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

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV/m)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
880.628	12.22	1.00	76	-27.83	40.05	46.00	-5.95
***							

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

Radiated Emission				Correction Factors	Distance	Corrected Amplitude	FCC Class B (3 m)	
Frequency (GHz)	Amplitude (dBμV/m)	Ant. H. (cm)	Table (°)	(dB)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
1.761	55.99	100.00	330	-8.67	-9.54	37.78	54.00	-16.22
1.847	59.83	100.00	109	-8.67	-9.54	41.62	54.00	-12.38
2.769	54.83	100.00	208	-6.84	-9.54	38.45	54.00	-15.55
3.696	54.13	100.00	46	-5.64	-9.54	38.95	54.00	-15.05
***								

Table 17 Open Field Radiated Emissions for 30MHz ~ 1GHz [Channel 161, Handset Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV/m)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
882.629	7.07	1.01	52	-26.97	34.04	46.00	-11.96
***							

Table 18 Open Field Radiated Emissions For 1GHz ~ 18GHz [Channel 161, Handset Horizontal]

Radiated Emission				Correction Factors	Distance	Corrected Amplitude	FCC Class B (3 m)	
Frequency (GHz)	Amplitude (dBμV/m)	Ant. H. (cm)	Table (°)	(dB)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
1.761	50.83	100.00	72	-8.67	-9.54	32.62	54.00	-21.38
1.851	58.16	100.00	164	-8.67	-9.54	39.95	54.00	-14.05
2.774	55.83	100.00	129	-8.67	-9.54	37.62	54.00	-16.38
3.705	58.66	100.00	349	-8.67	-9.54	40.45	54.00	-13.55
***								

Table 19 Open Field Radiated Emissions for 30MHz ~ 1GHz [Channel 161, Handset Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV/m)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
882.630	13.32	1.00	86	-27.88	41.20	46.00	-4.80
***							

Table 20 Open Field Radiated Emissions for 1GHz ~ 18GHz [Channel 161, Handset Vertical]

Radiated Emission				*Correction Factors*	*Distance*	*Corrected Amplitude*	*FCC Class B (3 m)*	
Frequency (GHz)	*Amplitude (dBμV/m)*	*Ant. H. (cm)*	*Table (°)*	*(dB)*	*(dB)*	*(dBμV/m)*	*Limit (dBμV/m)*	*Margin (dB)*
1.761	55.33	100.00	97	-8.67	-9.54	37.12	54.00	-16.88
1.851	60.49	100.00	104	-8.67	-9.54	42.28	54.00	-11.72
2.774	58.16	100.00	24	-8.67	-9.54	39.95	54.00	-14.05
3.705	58.16	100.00	157	-8.67	-9.54	39.95	54.00	-14.05
***								

Ⅳ. Verify Frequencies and Channels

This is for sure that all frequencies are in 902 MHz to 928 MHz that verifies the frequency pairs as follow pages.

FCC frequency Table:

0. Test Setup
0-1. Base unit : 120Vac 60Hz/9Vdc 300mA
0-2. Handset : 3.9Vdc

1. Handset Transmitter Functions
1-1. Transmit Frequency

Channel	Frequency (Mhz)
1	924.0000
2	924.0125
3	924.0250
4	924.0375
5	924.0500
6	924.0625
7	924.0750
8	924.0875
9	924.1000
10	924.1125
11	924.1250
12	924.1375
13	924.1500
14	924.1625
15	924.1750
16	924.1875
17	924.2000
18	924.2125
19	924.2250
20	924.2375
21	924.2500
22	924.2625
23	924.2750
24	924.2875
25	924.3000
26	924.3125
27	924.3250
28	924.3375
29	924.3500
30	924.3625
31	924.3750
32	924.3875
33	924.4000
34	924.4125
35	924.4250
36	924.4375
37	924.4500
38	924.4625
39	924.4750

40	924.4875
41	924.5000
42	924.5125
43	924.5250
44	924.5375
45	924.5500
46	924.5625
47	924.5750
48	924.5875
49	924.6000
50	924.6125
51	924.6250
52	924.6375
53	924.6500
54	924.6625
55	924.6750
56	924.6875
57	924.7000
58	924.7125
59	924.7250
60	924.7375
61	924.7500
62	924.7625
63	924.7750
64	924.7875
65	924.8000
66	924.8125
67	924.8250
68	924.8375
69	924.8500
70	924.8625
71	924.8750
72	924.8875
73	924.9000
74	924.9125
75	924.9250
76	924.9375
77	924.9500
78	924.9625
79	924.9750
80	924.9875
81	925.0000
82	925.0125
83	925.0250
84	925.0375
85	925.0500
86	925.0625
87	925.0750
88	925.0875
89	925.1000
90	925.1125
91	925.1250
92	925.1375

93	925.1500
94	925.1625
95	925.1750
96	925.1875
97	925.2000
98	925.2125
99	925.2250
100	925.2375
101	925.2500
102	925.2625
103	925.2750
104	925.2875
105	925.3000
106	925.3125
107	925.3250
108	925.3375
109	925.3500
110	925.3625
111	925.3750
112	925.3875
113	925.4000
114	925.4125
115	925.4250
116	925.4375
117	925.4500
118	925.4625
119	925.4750
120	925.4875
121	925.5000
122	925.5125
123	925.5250
124	925.5375
125	925.5500
126	925.5625
127	925.5750
128	925.5875
129	925.6000
130	925.6125
131	925.6250
132	925.6375
133	925.6500
134	925.6625
135	925.6750
136	925.6875
137	925.7000
138	925.7125
139	925.7250
140	925.7375
141	925.7500
142	925.7625
143	925.7750
144	925.7875
145	925.8000

146	925.8125
147	925.8250
148	925.8375
149	925.8500
150	925.8625
151	925.8750
152	925.8875
153	925.9000
154	925.9125
155	925.9250
156	925.9375
157	925.9500
158	925.9625
159	925.9750
160	925.9875
161	926.0000

2. Base Transmitter Functions

2-1 Transmit Frequency

Channel	Frequency (Mhz)
1	902.0750
2	902.0875
3	902.1000
4	902.1125
5	902.1250
6	902.1375
7	902.1500
8	902.1625
9	902.1750
10	902.1875
11	902.2000
12	902.2125
13	902.2250
14	902.2375
15	902.2500
16	902.2625
17	902.2750
18	902.2875
19	902.3000
20	902.3125
21	902.3250
22	902.3375
23	902.3500
24	902.3625
25	902.3750
26	902.3875
27	902.4000
28	902.4125

29	902.4250
30	902.4375
31	902.4500
32	902.4625
33	902.4750
34	902.4875
35	902.5000
36	902.5125
37	902.5250
38	902.5375
39	902.5500
40	902.5625
41	902.5750
42	902.5875
43	902.6000
44	902.6125
45	902.6250
46	902.6375
47	902.6500
48	902.6625
49	902.6750
50	902.6875
51	902.7000
52	902.7125
53	902.7250
54	902.7375
55	902.7500
56	902.7625
57	902.7750
58	902.7875
59	902.8000
60	902.8125
61	902.8250
62	902.8375
63	902.8500
64	902.8625
65	902.8750
66	902.8875
67	902.9000
68	902.9125
69	902.9250
70	902.9375
71	902.9500
72	902.9625
73	902.9750
74	902.9875
75	903.0000

76	903.0125
77	903.0250
78	903.0375
79	903.0500
80	903.0625
81	903.0750
82	903.0875
83	903.1000
84	903.1125
85	903.1250
86	903.1375
87	903.1500
88	903.1625
89	903.1750
90	903.1875
91	903.2000
92	903.2125
93	903.2250
94	903.2375
95	903.2500
96	903.2625
97	903.2750
98	903.2875
99	903.3000
100	903.3125
101	903.3250
102	903.3375
103	903.3500
104	903.3625
105	903.3750
106	903.3875
107	903.4000
108	903.4125
109	903.4250
110	903.4375
111	903.4500
112	903.4625
113	903.4750
114	903.4875
115	903.5000
116	903.5125
117	903.5250
118	903.5375
119	903.5500
120	903.5625
121	903.5750
122	903.5875

123	903.6000
124	903.6125
125	903.6250
126	903.6375
127	903.6500
128	903.6625
129	903.6750
130	903.6875
131	903.7000
132	903.7125
133	903.7250
134	903.7375
135	903.7500
136	903.7625
137	903.7750
138	903.7875
139	903.8000
140	903.8125
141	903.8250
142	903.8375
143	903.8500
144	903.8625
145	903.8750
146	903.8875
147	903.9000
148	903.9125
149	903.9250
150	903.9375
151	903.9500
152	903.9625
153	903.9750
154	903.9875
155	904.0000
156	904.0125
157	904.0250
158	904.0375
159	904.0500
160	904.0625
161	904.0750

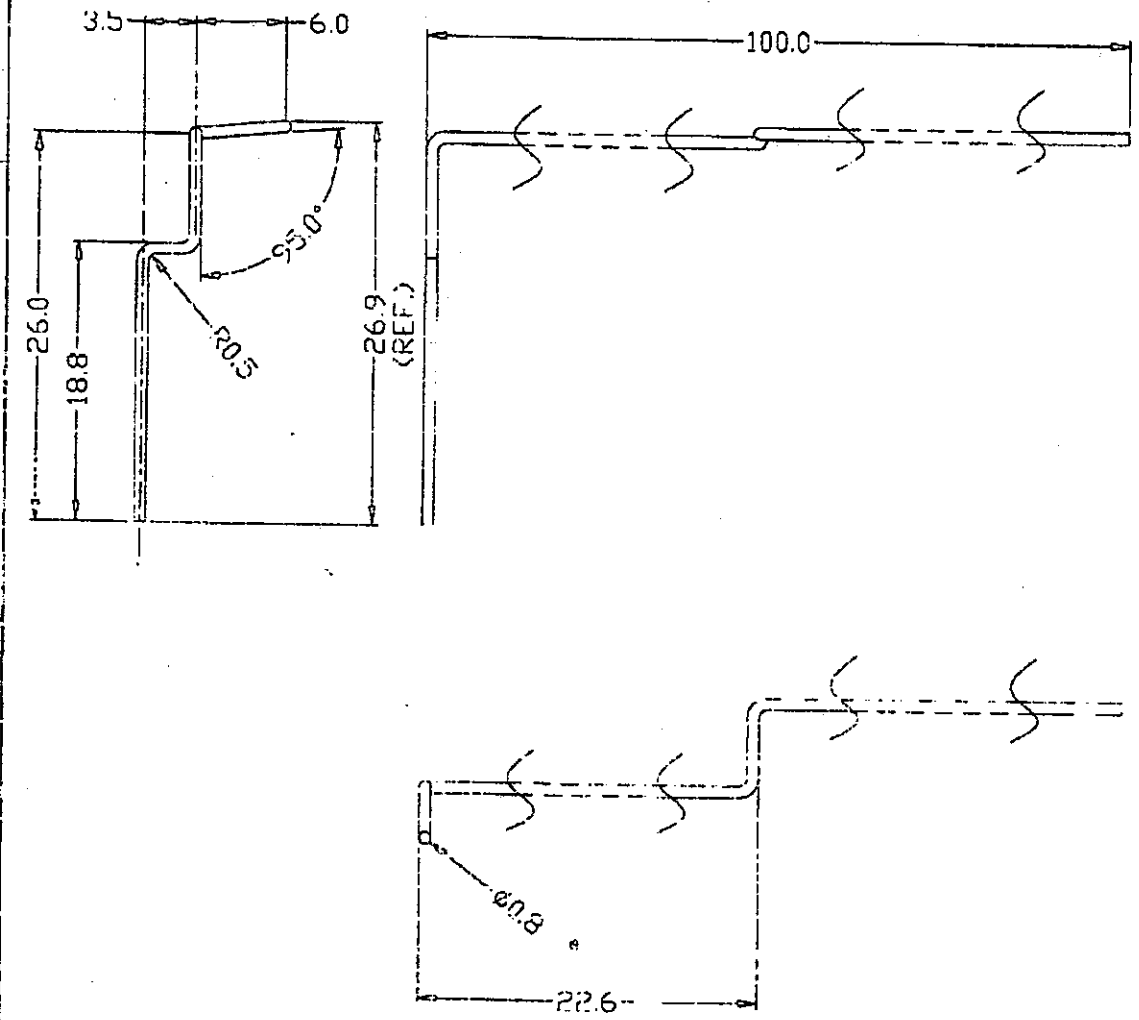
Section 15.214(d) <u>The security code is set automatic :</u>

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

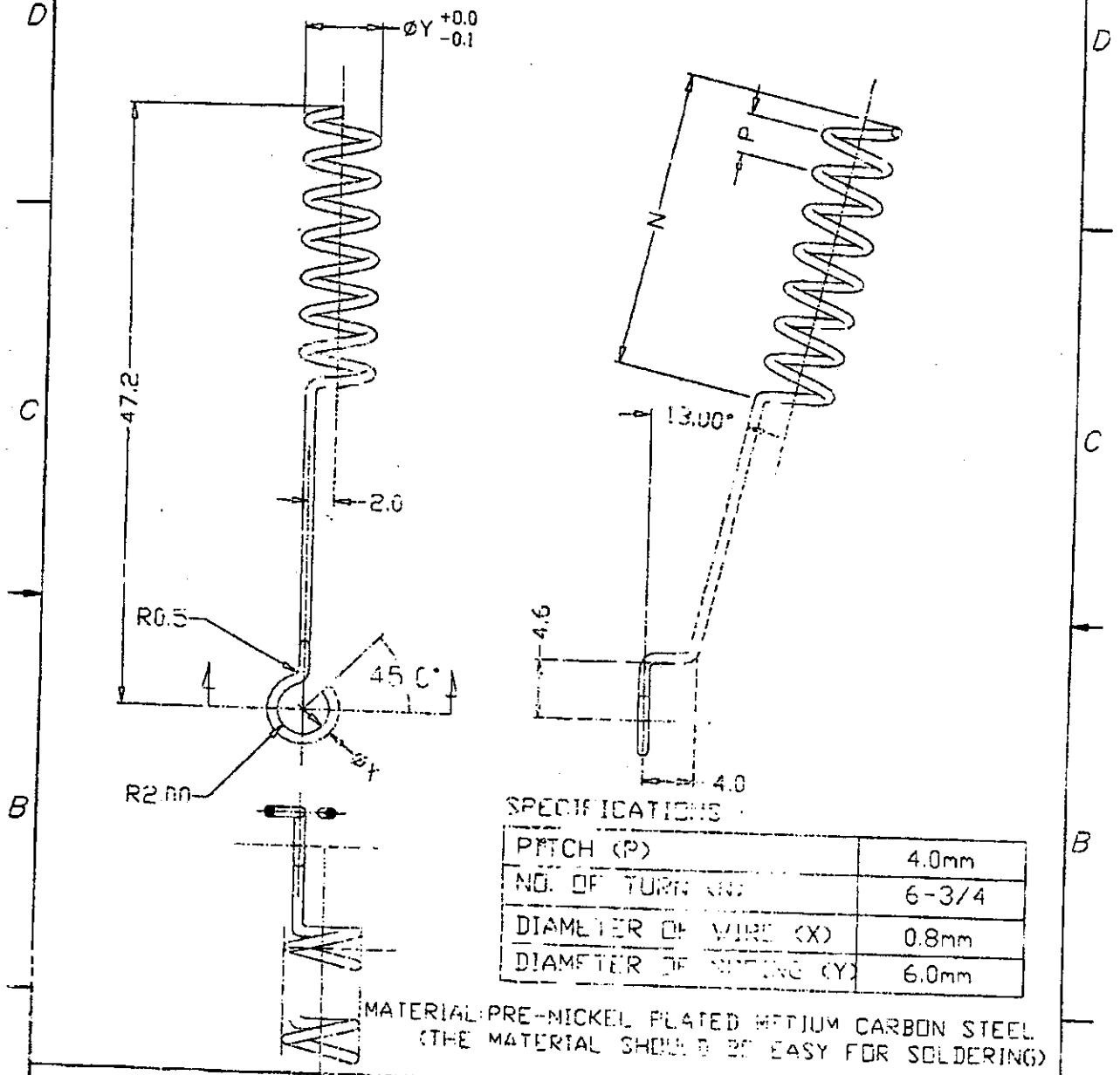
REVISIONS				
REV.	ITEM	DESCRIPTION	PREPARED	APPROVED
A	0	RELEASED FOR QUOTATION ONLY	Barry Chow 000413	K. L. AU 000413
B	0	RELEASED FOR TOOLING	Barry Chow 000413	K. L. AU 000413



MAITRIAL : PRE-NICKEL PLATED MEDIUM CARBON STEEL
(THE MATERIAL SHOULD BE EASY FOR SOLDERING)

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MM		S. MEGGA TELECOMMUNICATIONS LTD.
TOLERANCE ON . LINEAR : X.X ±0.2 .X.XX ±0.13 ANGULAR : X. ±1° .X.X ±0.5°	SCALE DO NOT SCALE	TITLE BASE ANTENNA
DRAWN Barry Chow / DATE 000413	USED ON TELEDEX TH2S	
CHECKED / DATE		DWG NO 75108021222 / REV B
APPROVED K. L. AU / DATE 000413	REF# COIL01	SIZE A4 / SHEET 1 OF 1

REVISIONS				
REV.	ITEM	DESCRIPTION	PREPARED	APPROVED
A	0	RELEASED FOR QUOTATION ONLY	Barry Chow 000413	K. L. AU 000413
B	0	RELEASED FOR TOOLING	Barry Chow 000413	K. L. AU 000413



SPECIFICATIONS :

PITCH (P)	4.0mm
NO. OF TURN (N)	6-3/4
DIAMETER OF WIRE (X)	0.8mm
DIAMETER OF WINDING (Y)	6.0mm

MATERIAL: PRE-NICKEL PLATED MEDIUM CARBON STEEL
(THE MATERIAL SHOULD BE EASY FOR SOLDERING)

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MM

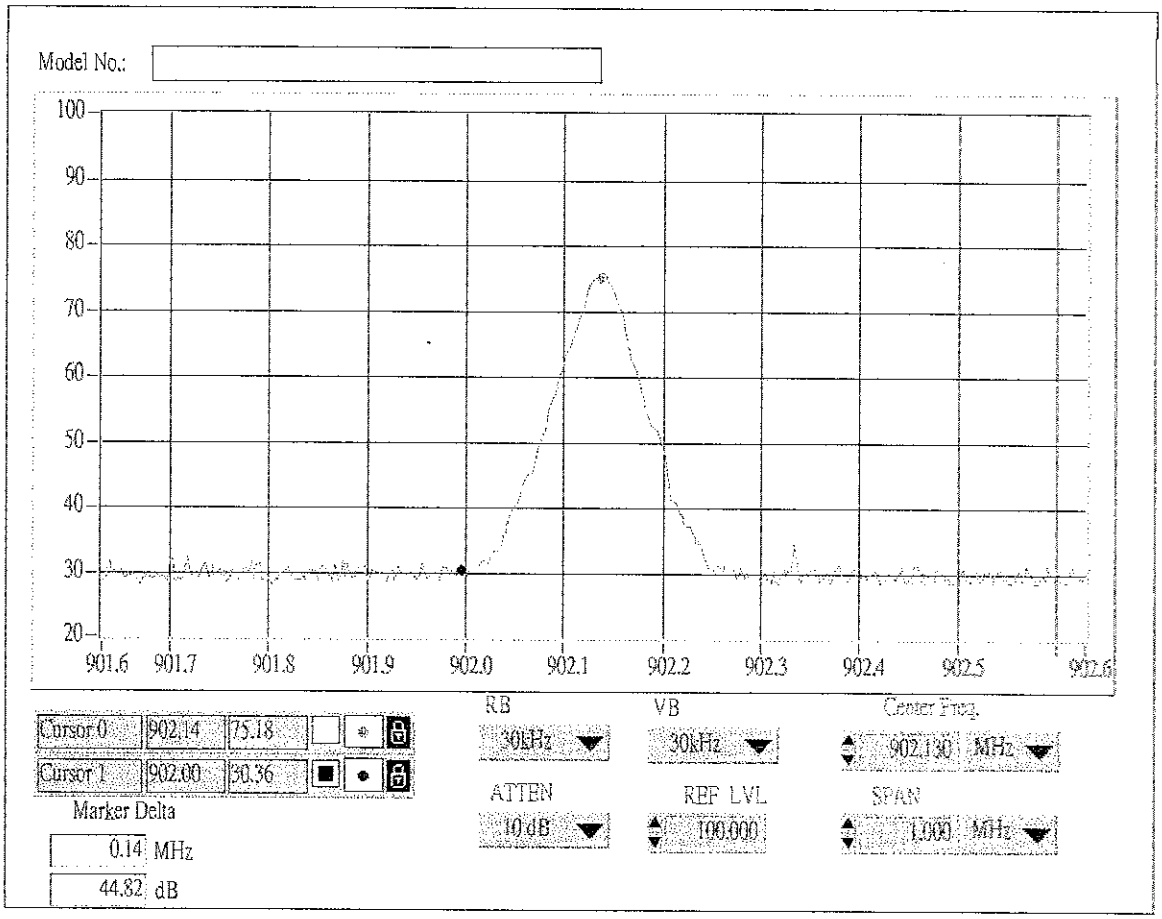
TOLERANCE ON :
LINEAR : X.X ±0.2 ,X.XX ±0.13
ANGULAR : X. ±1° ,X.X ±0.5°

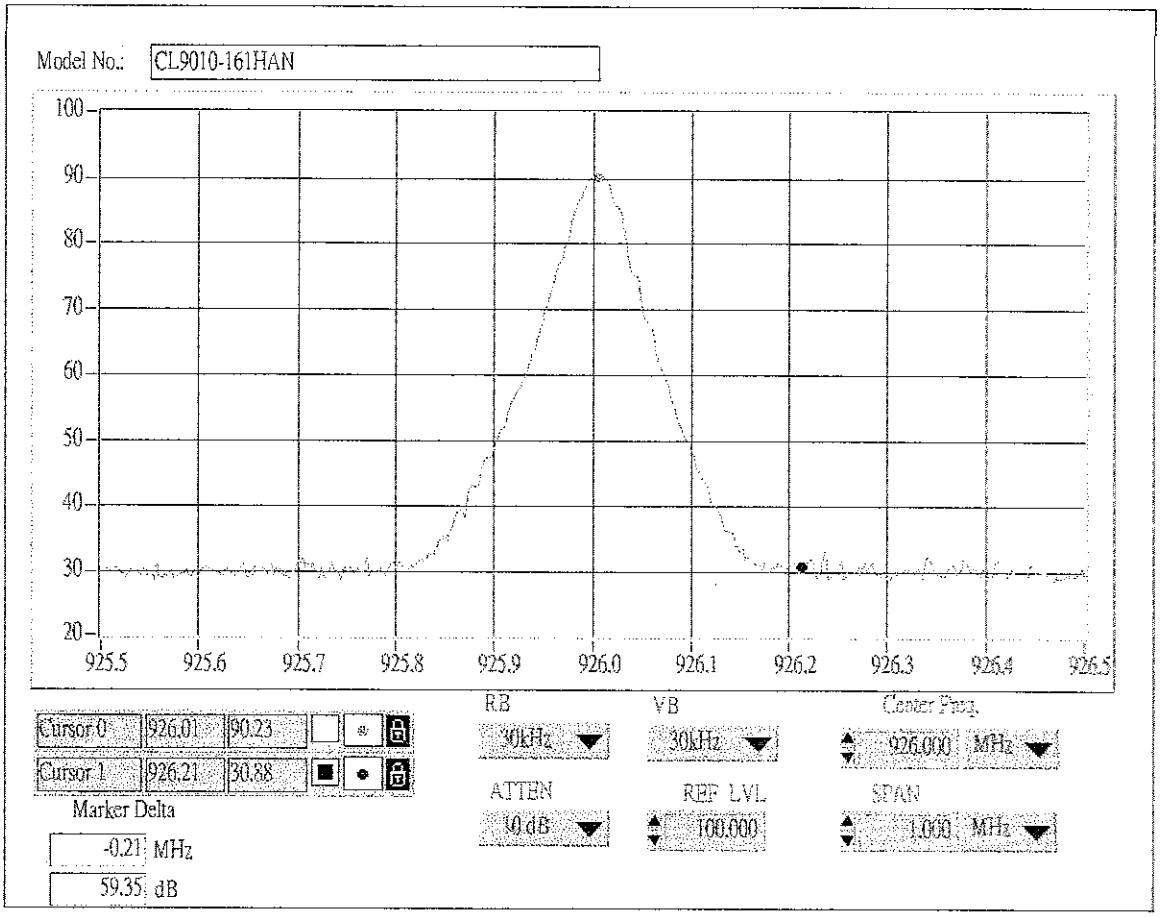
S. MEGGA TELECOMMUNICATIONS LTD.

DRAWN: Barry Chow	DATE: 000413	SCALE: DO NOT SCALE	TITLE: COIL ANTENNA H/S
CHECKED	DATE	USED ON: TELEDEX TH2S	
APPROVED: K M CHAN	DATE: 000413	REF#: COIL01	DWG NO: 1510801122 REV B
		SIZE: A4	SHEET 1 OF 1

Appendix B

§ 15.245 (b)(3) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.


Model No.:
100
90
80
70
60
50
40
30
20
901.6
901.7
901.8
901.9
902.0
902.1
902.2
902.3
902.4
902.5
902.6
Cursor 0 902.14 75.18
Cursor 1 902.00 30.36
Marker Delta
0.14 MHz
44.82 dB
RB
30kHz
VB
30kHz
Center Freq.
902.130 MHz
ATTEN
10 dB
REF LVL
100.000
SPAN
1.000 MHz


Model No.: CL9010-161HAN
100
90
80
70
60
50
40
30
20
925.5
925.6
925.7
925.8
925.9
926.0
926.1
926.2
926.3
926.4
926.5
Cursor 0 926.01 90.23
Cursor 1 926.21 30.88
Marker Delta
-0.21 MHz
59.35 dB
RB
30kHz
VB
30kHz
Center Freq.
926.000 MHz
ATTEN
0 dB
REF LVL
100.000
SPAN
1.000 MHz