



Blank Page

Don't Forget To Delete Me!

EXHIBIT B

Measurement Report

Tables of Contents

Tables Of Contents	1
I. GENERAL	
1.1 Introduction	3
1.2 Description of EUT	3
1.3 Description of Support Equipment	3
1.4 Configuration of System Under Test	4
1.5 Test Procedure	4
1.6 Location of the Test Site	4
1.7 General Test Condition	5
II. Conducted Emissions Measurements	
2.1 Test Condition & Setup	6
2.2 List of Test Instruments	6
2.3 Test configuration	7
2.4 Test Result of Conducted Emissions	8
III. Radiated Emissions Measurements	
3.1 Test Condition & Setup	11
3.2 List of Test Instruments	12
3.3 Test Instruments Configuration	13
3.4 Test Result of Radiated Emissions	15
3.5 Test Result of Spurious Radiated Emissions	16
TABLES	
Table 1 Power Line Conducted Emissions [Base Channel charge]	8
Table 2 Power Line Conducted Emissions [Base Channel 00]	9
Table 3 Power Line Conducted Emissions [Base Channel 39]	10
Table 4 Open Field Fundamental Emissions	15
Table 5 Open Field Radiated Emissions [Base Channel 00 Horizontal 30MHz – 1GHz]	16
Table 6 Open Field Radiated Emissions [Base Channel 00 Horizontal 1GHz – 18GHz]	16

MEASUREMENT REPORT of CORDLESS TELEPHONE

Applicant : STAR LIGHT ELECTRONICS CO., LTD.
Model : TL-9008
EUT : 900 MHz Analog Cordless Phone
FCC ID : BGRTL-9008
Report No. : S4115643

Test by :

Training Research Co., Ltd.

TEL : 886-2-27881332

FAX : 886-2-27857408

No. 5-3, Lane 21, Yen Chiu Yuan Rd., Sec. 4, Taipei, 11521 Taiwan R.O.C.

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 : 900MHz Analog Cordless Phone
Model : TL-9008
FCC ID : BGRTL-9008
Frequency Range : Base: 902 - 928 MHz
Handset: 902 - 928 MHz
Support Channel : 40 Channel
Power Type : Base Powered by 120 Vac 60 Hz / 9 Vdc 200 mA
Handset powered by 3.6 V / 600 mA.
Power Cord : Nonshielded
Data Cable : RJ-11C => Nonshielded, 7' long, Plastic hoods, No bead
Applicant : STAR LIGHT ELECTRONICS CO., LTD.
6/F, SHING DEO IND'L BLDG, 232 ABERDEEN MAIN
ROAD. ABERDEEN, HONG KONG.

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

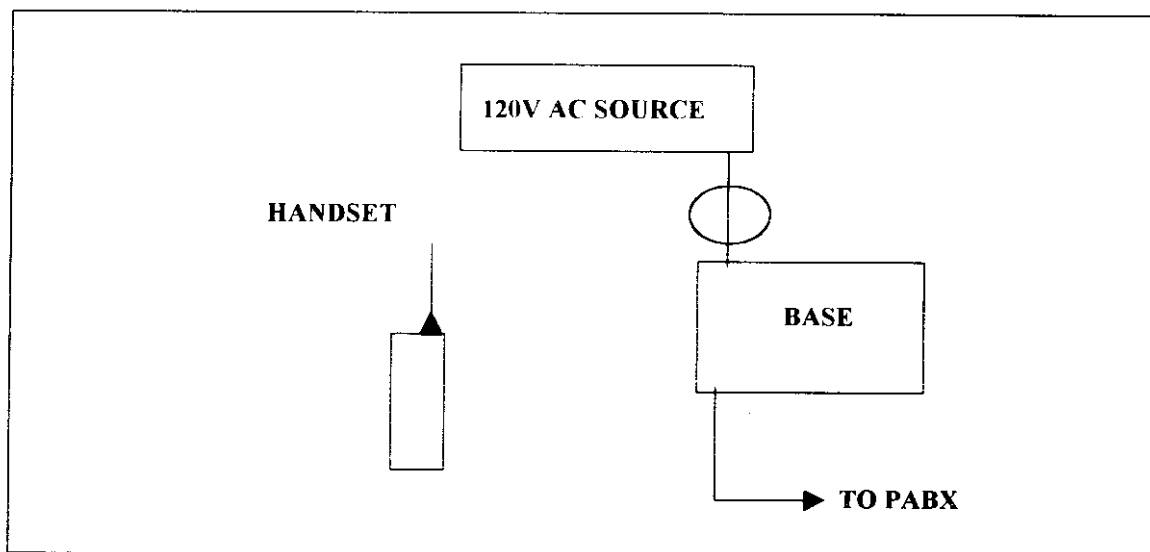


Fig. 1 Configuration of system under test

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. 1F, No. 569, Chung Hsiao E. Sec. 7, Taipei, 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 Ch00, Ch39 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 tree test condition 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-SR!	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. : TL-9008
EUT : 900MHz Analog Cordless Phone

Table 1 Power Line Conducted Emissions (Charge Mode)

Power	Connected	Emissions	FCC	Class B
Conductor	Frequency (KHz)	Peak Amplitude (dBuV)	Limit (dBuV)	Margin (dB)
Line 1	769.00	21.45	48.00	-26.55
	1021.00	20.19	48.00	-27.81
	1120.00	21.89	48.00	-26.11
	1156.00	20.68	48.00	-27.32
	12100.00	22.16	48.00	-25.84
	24470.00	22.30	48.00	-25.70

LINE 2	1120.00	22.27	48.00	-25.73
	12100.00	21.97	48.00	-26.03

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 00)

Power	Connected	Emissions	FCC	Class B
Conductor	Frequency (KHz)	Peak Amplitude (dBuV)	Limit (dBuV)	Margin (dB)
Line 1	769.00	22.44	48.00	-25.56
	793.00	20.46	48.00	-27.54
	1120.00	21.20	48.00	-26.80

LINE 2	1120.00	20.50	48.00	-27.50

NOTE:

3. Margin = Peak Amplitude - Limit

4. 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 3 Power Line Conducted Emissions (Channel 39)

Power Conductor	Connected Frequency (KHz)	Emissions Peak Amplitude (dBuV)	FCC Limit (dBuV)	Class B Margin (dB)
LINE1	769.00	23.79	48.00	-24.21
	788.00	22.12	48.00	-25.88
	1120.00	20.13	48.00	-27.87

LINE2	1120.00	20.73	48.00	-27.27

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.

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 GMHz.

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 polarizations.

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

$$Fla \text{ (dBuV/m)} = Flr \text{ (dBuV)} + \text{Correction Factors}$$

Fla : Actual Field Intensity

Flr : Reading of the Field Intensity

$$\text{Correction Factors} = \text{Antenna Factor} + \text{Cable Loss}$$

For frequency between 1 GHz to 18 GHz

$$Fla \text{ (dBuV/m)} = Flr \text{ (dBuV)} + \text{Correction Factor}$$

Fla : Actual Field Intensity

Flr : Reading of the Field Intensity

$$\text{Correction Factors} = \text{Antenna Factor} + \text{Cable Loss} - \text{Distance Factor (9.54dB)} - \text{Amplifier Gain}$$

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

3.5 Test Result of Spurious Radiated Emissions

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

Model No. : TL-9008

EUT : 900MHz Analog Cordless Phone

Table 5. Open Field Radiated Emissions For 30MHz -1 GHz [Channel 00, Base Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude (dBuV/m)	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBuV/m)	Ant. H. (cm)	Table ()	(dB)		Limit (dBuV/m)	Margin (dB)
43.992	35.02	3.02	215	-21.48	13.54	40.00	-26.46
45.697	41.08	3.02	286	-22.01	19.07	40.00	-20.93
451.400	49.12	1.00	197	-10.19	38.93	46.00	-7.07
468.000	53.32	1.00	127	-10.86	42.46	46.00	-3.54
909.150	42.02	3.02	60	-14.33	27.69	46.00	-18.31
936.001	55.25	1.00	106	-15.05	40.20	46.00	-5.80

Note:

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

Table 6. Open Field Radiated Emissions For 1 GHz -18 GHz [Channel 00 Base Horizontal]

Radiated Emission				Correction Factors	Distance	Corrected Amplitude (dBuV/m)	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBuV/m)	Ant. H. (cm)	Table ()	(dB)	(dB)		Limit (dBuV/m)	Margin (dB)
1805.70	52.80	100.00	148	-8.67	-9.54	34.59	54	-19.41
2807.50	47.76	100.00	99	-6.84	-9.54	31.38	54	-22.62
3276.00	52.94	100.00	58	-5.64	-9.54	37.76	54	-16.24
3744.20	56.61	100.00	58	-5.64	-9.54	41.43	54	-12.57

Note:

1. Margin = Corrected - Limit.
2. peak amplitude+ Correction Factor + Distance = Corrected

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. : TL-9008

EUT : 900MHz Analog Cordless Phone

Table4 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 00	902.80	H	100.00	125.00	80.27	94.00	-13.73
		V	100.00	95.00	87.84	94.00	-6.16
Base 39	904.75	H	100.00	126.00	79.33	94.00	-14.67
		V	100.00	65.00	89.36	94.00	-4.64
Handset 00	925.30	H	100.00	355.00	84.41	94.00	-9.59
		V	100.00	332.00	91.76	94.00	-2.24
Handset 39	927.25	H	100.00	218.00	84.74	94.00	-9.26
		V	100.00	257.00	91.73	94.00	-2.27

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

Table 7. Open Field Radiated Emissions For 30MHz -1 GHz [Channel 00, Base Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBuV/m)	Ant. H (cm)	Table ()	(dB)	(dBuV/m)	Limit (dBuV/m)	Margin (dB)
43.992	36.18	1.00	168	-21.48	14.70	40.00	-25.30
45.697	41.17	1.00	91	-22.01	19.16	40.00	-20.84
451.400	44.48	1.00	276	-10.19	34.29	46.00	-11.71
468.000	52.65	1.00	178	-10.86	41.79	46.00	-4.21
909.150	42.60	1.00	304	-14.33	28.27	46.00	-17.73
936.001	52.61	1.00	23	-15.05	37.56	46.00	-8.44

Note:

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

Table 8. Open Field Radiated Emissions For 1 GHz -18 GHz [Channel 00, Base Vertical]

Radiated Emission				Correction Factors	Distance	Corrected Amplitude	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBuV/m)	Ant. H (cm)	Table ()	(dB)	(dB)	(dBuV/m)	Limit (dBuV/m)	Margin (dB)
1805.7	59.14	100.00	69	-8.67	-9.54	40.97	54	-13.07
2807.5	57.14	100.00	58	-6.84	-9.54	40.76	54	-13.24
3276.00	56.44	100.00	158	-5.64	-9.54	41.26	54	-12.74
3744.20	61.44	100.00	342	-5.64	-9.54	46.26	54	-7.74

Note:

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

Table 9. Open Field Radiated Emissions for 30 MHz -1 GMHz [Channel 39, Base Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude (dBuV/m)	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBuV/m)	Ant.H. (cm)	Table ()	(dB)		Limit (dBuV/m)	Margin (dB)
452.376	49.95	1.00	207	-10.25	39.70	46.00	-6.30
468.975	55.15	1.00	118	-10.88	44.27	46.00	-1.73
888.150	48.01	1.00	137	-13.95	34.06	46.00	-11.94
906.026	36.95	1.00	12	-14.24	22.71	46.00	-23.29
937.950	48.42	1.00	225	-15.09	33.33	46.00	-12.67

Note :

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

Table 10. Open Field Radiated Emissions For 1 GHz -18 GMHz [Channel 39, Base Horizontal]

Radiated Emission				Correction Factors	Distance	Corrected Amplitude (dBuV/m)	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBuV/m)	Ant.H. (cm)	Table ()	(dB)	(dB)		Limit (dBuV/m)	Margin (dB)
1809.80	53.14	100.00	69	-8.67	-9.54	34.93	54	-19.07
2714.30	53.47	100.00	89	-6.84	-9.54	37.09	54	-16.91
3751.80	56.94	100.00	269	-5.64	-9.54	41.76	54	-12.24
4220.70	45.56	100.00	157	3.91	-9.54	39.93	54	-14.07

Note :

1. Margin = Corrected - Limit.
2. peak amplitude + Correction Factor + Distance = Corrected

Table 11. Open Field Radiated Emissions for 30 MHz -1 GHz [Channel 39, Base Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBuV/m)	Ant. H (cm)	Table ()	(dB)	(dBuV/m)	Limit (dBuV/m)	Margin (dB)
452.376	44.74	1.00	197	-10.25	34.49	46.00	-11.51
468.975	52.34	1.00	165	-10.88	41.46	46.00	-4.54
888.150	52.80	1.00	291	-13.95	38.85	46.00	-7.15
906.026	41.11	1.00	3	-14.24	26.87	46.00	-19.13
937.950	49.33	1.00	282	-15.09	34.24	46.00	-11.76

Note :

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

Table 12. Open Field Radiated Emissions For 1 GHz -18 GHz [Channel 39, Base Vertical]

Radiated Emission				Correction Factors	Distance	Corrected Amplitude	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBuV/m)	Ant. H (cm)	Table ()	(dB)	(dB)	(dBuV/m)	Limit (dBuV/m)	Margin (dB)
1809.80	59.14	100.00	125	-8.67	-9.54	40.93	54	-13.07
2714.30	56.81	100.00	167	-6.84	-9.54	40.43	54	-13.57
3751.80	61.61	100.00	138	-5.64	-9.54	46.43	54	-7.57
4220.70	47.89	100.00	182	3.91	-9.54	42.26	54	-11.74

Note:

1. Margin = Corrected - Limit.
2. peak amplitude + Correction Factor + Distance = Corrected

Table 13. Open Field Radiated Emissions for 30 MHz -1 GHz [Channel 00, Handset Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBuV/m)	Ant. H. (cm)	Table ()	(dB)	(dBuV/m)	Limit (dBuV/m)	Margin (dB)
446.050	41.15	1.92	229	-9.06	32.09	46.00	-13.91
462.650	38.35	1.92	96	-10.76	27.59	46.00	-18.41
892.100	46.89	1.92	12	-14.00	32.89	46.00	-13.11
905.830	41.42	4.00	149	-14.23	27.19	46.00	-18.81
920.510	41.84	1.92	70	-14.68	27.16	46.00	-18.84

Note :

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

Table 14. Open Field Radiated Emissions For 1 GHz -18 GHz [Channel 00, Handset Horizontal]

Radiated Emission				Correction Factors	Distance	Corrected Amplitude	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBuV/m)	Ant. H. (cm)	Table ()	(dB)	(dB)	(dBuV/m)	Limit (dBuV/m)	Margin (dB)
1850.80	60.16	100.00	96	-8.67	-9.54	41.95	54	-12.05
2775.80	62.16	100.00	85	-6.84	-9.54	45.78	54	-8.22
3122.30	60.63	100.00	37	-5.64	-9.54	45.45	54	-8.55
3568.70	58.63	100.00	88	-5.64	-9.54	43.45	54	-10.55

Note :

1. Margin = Corrected - Limit.
2. peak amplitude + Correction Factor + Distance = Corrected

Table 15. Open Field Radiated Emissions for 30 MHz -1 GHz [Channel 00, Handset Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude (dBuV/m)	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBuV/m)	Ant. H. (cm)	Table ()	(dB)		Limit (dBuV/m)	Margin (dB)
446.050	53.94	1.00	285	-9.06	44.88	46.00	-1.12
462.650	49.36	1.00	50	-10.76	38.60	46.00	-7.40
892.100	48.08	1.00	269	-14.00	34.08	46.00	-11.92
905.830	41.62	4.00	247	-14.23	27.39	46.00	-18.61
920.510	41.86	4.00	29	-14.68	27.18	46.00	-18.82

Note:

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

Table16. Open Field Radiated Emissions for 1 GHz -18 GHz [Channel 00, Handset Vertical]

Radiated Emission				Correction Factors	Distance	Corrected Amplitude (dBuV/m)	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBuV/m)	Ant. H. (cm)	Table ()	(dB)	(dB)		Limit (dBuV/m)	Margin (dB)
1850.80	52.33	100.00	158	-8.67	-9.54	34.12	54	-19.88
2775.80	61.16	100.00	124	-6.84	-9.54	44.78	54	-9.22
3122.30	60.8	100.00	167	-5.64	-9.54	45.62	54	-8.38
3568.70	63.63	100.00	198	-5.64	-9.54	48.45	54	-5.55

Note:

1. Margin = Corrected - Limit.
2. peak amplitude + Correction Factor + Distance = Corrected

Table 17. Open Field Radiated Emissions for 30 MHz -1 GHz [Channel 39, Handset Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude (dBuV/m)	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBuV/m)	Ant.H. (cm)	Table ()	(dB)		Limit (dBuV/m)	Margin (dB)
447.020	41.23	1.00	237	-9.31	31.92	46.00	-14.08
463.620	37.37	1.00	94	-10.78	26.59	46.00	-19.41
894.050	46.09	1.00	10	-14.01	32.08	46.00	-13.92
906.750	41.46	1.00	99	-14.26	27.20	46.00	-18.80
909.040	45.25	4.00	76	-14.33	30.92	46.00	-15.08
917.000	41.79	1.00	166	-14.58	27.21	46.00	-18.79
919.990	41.86	1.00	2	-14.67	27.19	46.00	-18.81

Note:

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

Table 18. Open Field Radiated Emissions For 1 GHz -18 GHz [Channel 39, Handset Horizontal]

Radiated Emission				Correction Factors	Distance	Corrected Amplitude (dBuV/m)	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBuV/m)	Ant.H. (cm)	Table ()	(dB)	(dB)		Limit (dBuV/m)	Margin (dB)
1821.50	59.64	100.00	65	-8.67	-9.54	41.43	54	-12.57
2781.00	62.97	100.00	57	-6.84	-9.54	46.59	54	-7.41
3162.70	63.44	100.00	48	-5.64	-9.54	48.26	54	-5.74
3576.30	62.11	100.00	75	-5.64	-9.54	46.93	54	-7.07

Note:

1. Margin = Corrected - Limit.
2. peak amplitude + Correction Factor + Distance = Corrected

Table 19 Open Field Radiated Emissions for 30 MHz -1 GHz [Channel 39, Handset Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBuV/m)	Ant. H. (cm)	Table ()	(dB)	(dBuV/m)	Limit (dBuV/m)	Margin (dB)
447.020	53.93	1.00	278	-9.31	44.62	46.00	-1.38
463.620	49.50	1.00	42	-10.78	38.72	46.00	-7.28
894.050	49.02	1.00	270	-14.01	35.01	46.00	-10.99
906.750	41.48	1.00	75	-14.26	27.22	46.00	-18.78
909.040	41.78	1.00	245	-14.33	27.45	46.00	-18.55
917.000	41.84	1.00	150	-14.58	27.26	46.00	-18.74
919.990	42.18	1.00	43	-14.67	27.51	46.00	-18.49

Note:

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

Table 20. Open Field Radiated Emissions For 1 GHz -18 GHz [Channel 39, Handset Vertical]

Radiated Emission				Correction Factors	Distance	Corrected Amplitude	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBuV/m)	Ant. H. (cm)	Table ()	(dB)	(dB)	(dBuV/m)	Limit (dBuV/m)	Margin (dB)
1821.50	55.8	100.00	58	-8.67	-9.54	37.59	54	-16.41
2781.00	61.81	100.00	129	-6.84	-9.54	45.43	54	-8.57
3162.70	59.11	100.00	197	-5.64	-9.54	43.93	54	-10.07
3576.30	64.94	100.00	173	-5.64	-9.54	49.76	54	-4.24

Note:

1. Margin = Corrected - Limit.
2. peak amplitude + Correction Factor +Distance = Corrected

Appendix A Modification List

1. Handset:

- (1) RF module: Cut away trace lay-out between pin 13 of J1B and antenna then put series 150 Ohm and 1pf capacitor on the same location.
- (2) The pin 2 of J1A bypass 10pf capacitor to GND.
- (3) The R51 and the R52 series inductor for MLB-201209-0056A-N2 (Mfg.: Longview Technology Inc.)
- (4) C34 parallel 10pf capacitor then connected to GND.

2. Base:

- (1) Remove L206, put series 100 Ohm and 1pf capacitor on the same location. Between L206 and pin 13 of J4B connected 100 Ohm and 1pf capacitor to GND.
- (2) Replace L203 with B2-T1B2-4 inductor. (Mfg.: Crown Ferrite Enterprise Co.)
- (3) C239 parallel 10pf capacitor then connected to GND.

Statement of Applicant:

I acknowledge that the modifications made to the EUT for compliance during testing will be incorporated into mass production units.

Applicant: Star Light Electronics Co., Ltd.

By: _____

Mr. W.K. Chan

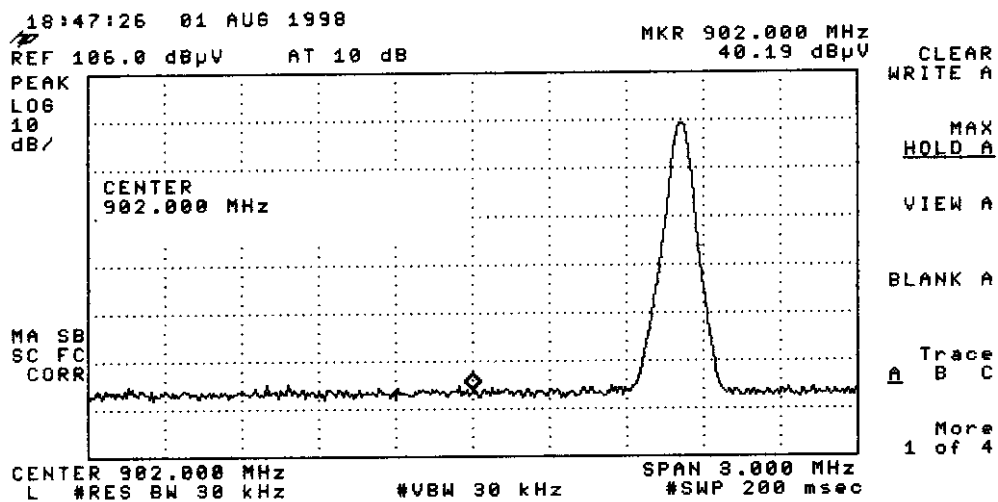
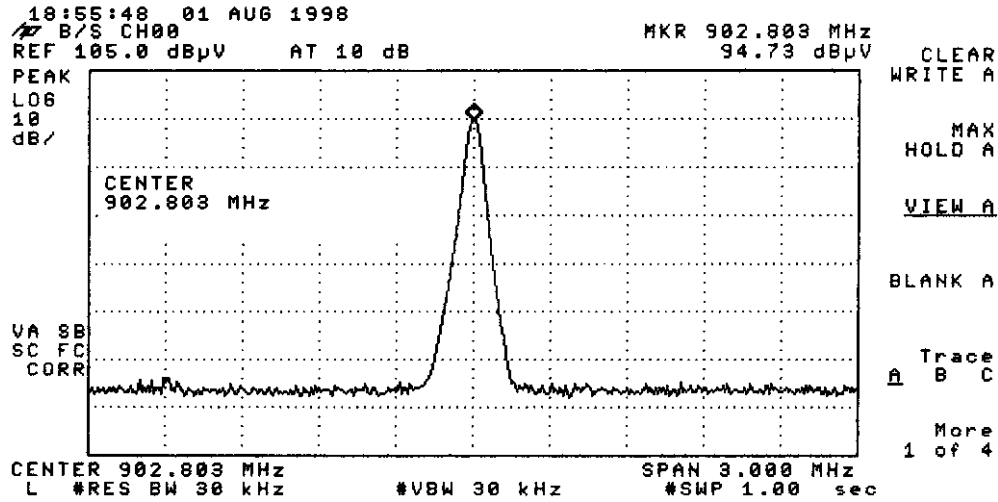
Date: _____

Signature

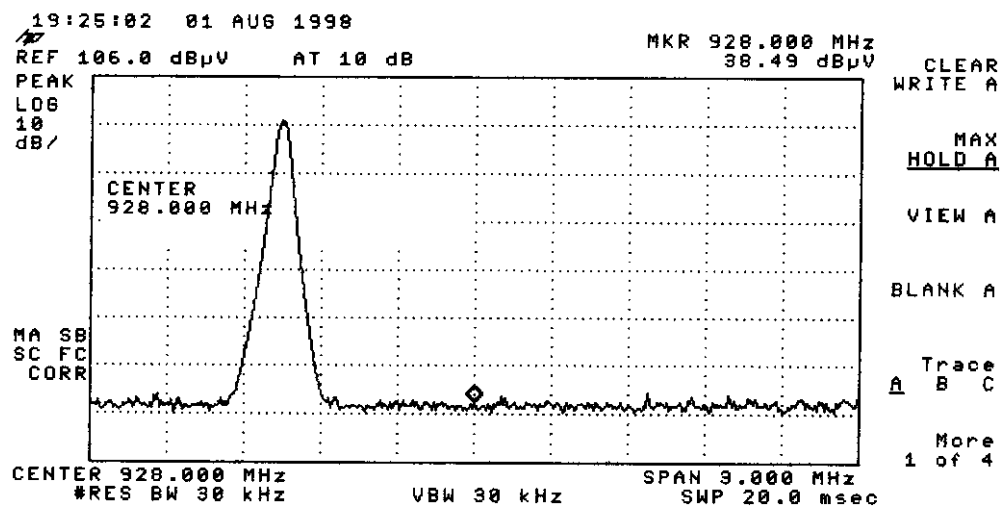
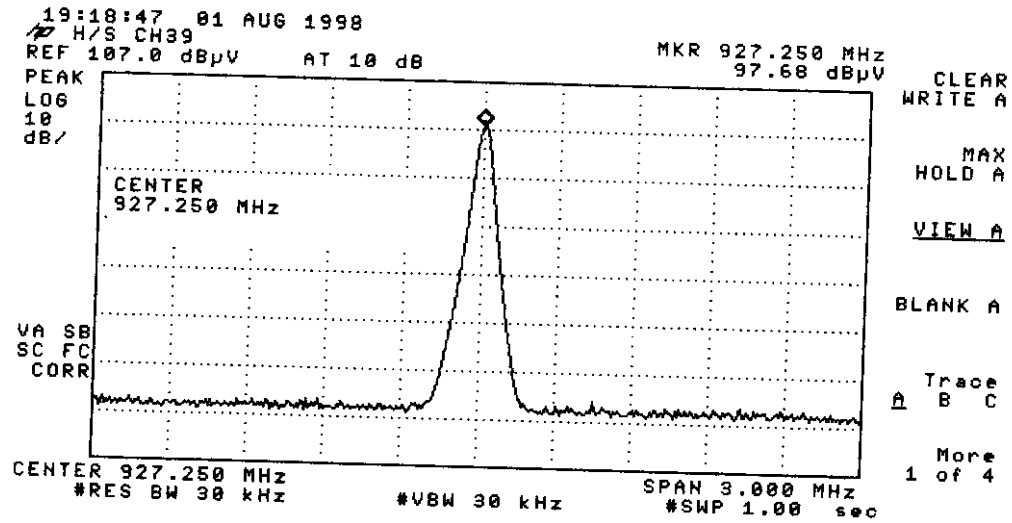
Printed

Title: Manager

Appendix A-1 Check Frequency on 902-928MHz



Appendix A-2 Check Frequency on 902-928MHz



Appendix B

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