Certification Application

Under Part 15, Subpart C

EUT 900MHz CORDLESS TELEPHONE

MODEL NTP-6211B

FCC ID QFINTP-6211B

SRT REPORT # FID2C048

PREPARED FOR

NEWCONT ELECTRONIC CO., LTD.

40 FLOOR, BLOCK C.,

ELECTRONICS SCIENCE & TECHNOLOGY BLDG.,

SHENNANZHONGLU SHENZHEN,

P.R.CHINA

NEWCONT

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Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046

To whom it may concern :

This is to serve as proper written authorization that Spectrum Research and Testing Laboratory, Inc., 15200, Shady Grove Rd., Rockville, MD. 20850, will act as our representative in all matters relating to FCC applications for equipment approval. This includes the signing of all related documents, the transmitting of required fees, and receiving correspondence and notifications from the FCC. All acts performed by Spectrum Research and Testing Laboratory, Inc., especially modifications to our equipment under testing will be carried out on our behalf.

Meantime, the applicant certifies that in the case of an individual applicant (e.g., corporation), no party to the applicant is subject to a denial of federal benefits, that includes FCC benial of federal benefits, that includes FCC benefits, pursuant to Section 5301 of the Anti-Drug Abuse Act of 1998,21 U.S.C. 862. For a definition of a " party " for these purposes see 47 C.F.R. 1.2002 (b).

If you have any questions regarding our applications for equipment approval, please contact Spectrum Research and Testing Laboratory, Inc. by calling (301) 670-2818.

Respectfully,

SCOTT LIU
(Name, Surname)

General Manger
(Position/Title)

DATE : March 26, 2002

Effective Dates :

From March 26, 2002 to March 26, 2003

EMI TESTING REPORT

EUT : 900MHz CORDLESS TELEPHONE

MODEL : NTP-6211B

FCC ID : QFINTP-6211B

PREPARED FOR

NEWCONT ELECTRONIC CO., LTD.

40 FLOOR, BLOCK C.,

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P.R.CHINA

PREPARED BY

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Lab Code: 200099-0

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1. TEST REPORT CERTIFICATION

APPLICANT NEWCONT ELECTRONIC CO., LTD.

ADDRESS 40 FLOOR, BLOCK C.,
ELECTRONICS SCIENCE & TECHNOLOGY BLDG.,
SHENNANZHONGLU SHENZHEN,
P.R. CHINA

EUT DESCRIPTION 900MHz CORDLESS TELEPHONE

(A) POWER SUPPLY FROM ADAPTOR (120V/60Hz)

(B) MODEL NTP-6211B

(C) FCC ID QFINTP-6211B

FINAL TEST DATE 07/12/2002

MEASUREMENT PROCEDURE USED

* PART 15 SUBPART C OF FCC RULES AND REGULATIONS (47 CFR)
* ANSI C63.4 - 1992
* TEST PROCEDURE AND DATA ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS.

We hereby certify that

The measurements contained in this report were made in accordance with the procedures indicated, and the energy emitted by the equipment was found to be within the limits applicable.

TESTING ENGINEER _____ DATE _____
Anson Lin

SUPERVISOR _____ DATE _____
Spring Wang

APPROVED BY _____ DATE _____
Harris W. Lai, Director

2. TEST STATEMENT

2.1 TEST STATEMENT

1. This statement explains the test condition of this project. The EUT was tested under the condition of each test item.

2. The data shown in this report reflects the worst – case data for the condition as the summary of test result.

3. EUT conditions.

Frequency range : Handset → 926.15MHz ~ 927.125MHz
Base → 902.125MHz ~ 903.1MHz
Support channel : 40 channel

Mode			Channel
Mode 1	TALK	BASE	CH1: 902.1246MHz
			CH21: 902.6265MHz
			CH40: 903.1038MHz
		Handset	CH1: 926.1465MHz
			CH21: 926.667MHz
			CH40: 927.1249MHz
Mode 2	PAGE	-----	CH1: 902.1246MHz
			CH21: 902.6265MHz
			CH40: 903.1038MHz
Mode 3	CHARGE	-----	-----

4. AC 120V/60Hz was used for all test items.

5. NVLAP logo is to be approved by management (it is according to NVLAP requirement if it need) before use. NVLAP Lab Code : 200099-0.

2 . 2 DEPARTURE FROM DOCUMENT POLICIES, PROCEDURE OR SPECIFICATIONS , THE STATEMNT

1. Did have
   Any departure from document policies & procedures or from specifications.
   Yes _____, No _____ .
   If yes , the description as below.

2. .The certificate and report shall not be reproduced except in full , without the written approval of SRT laboratory.

3. .The report must not be used by the client to claim product endorsement by NVLAP or any agency the government.

4. This product is a test sample that was shown as the photos of this test report only.

5. The effect that the results relate only to the items tested.

3. CONDUCTED POWER LINE TEST

3.1 TEST EQUIPMENT

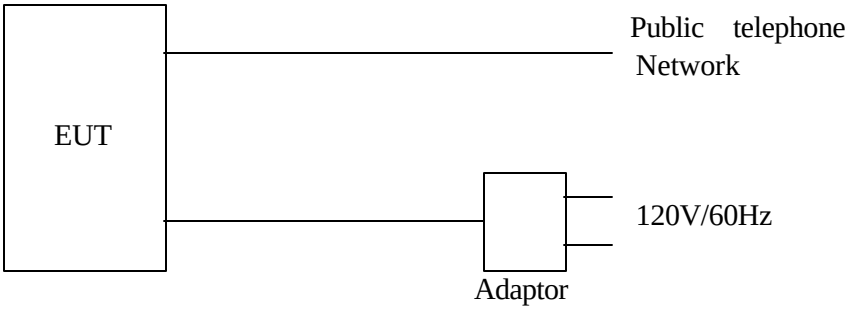
The following test equipments were used during the conducted power line test

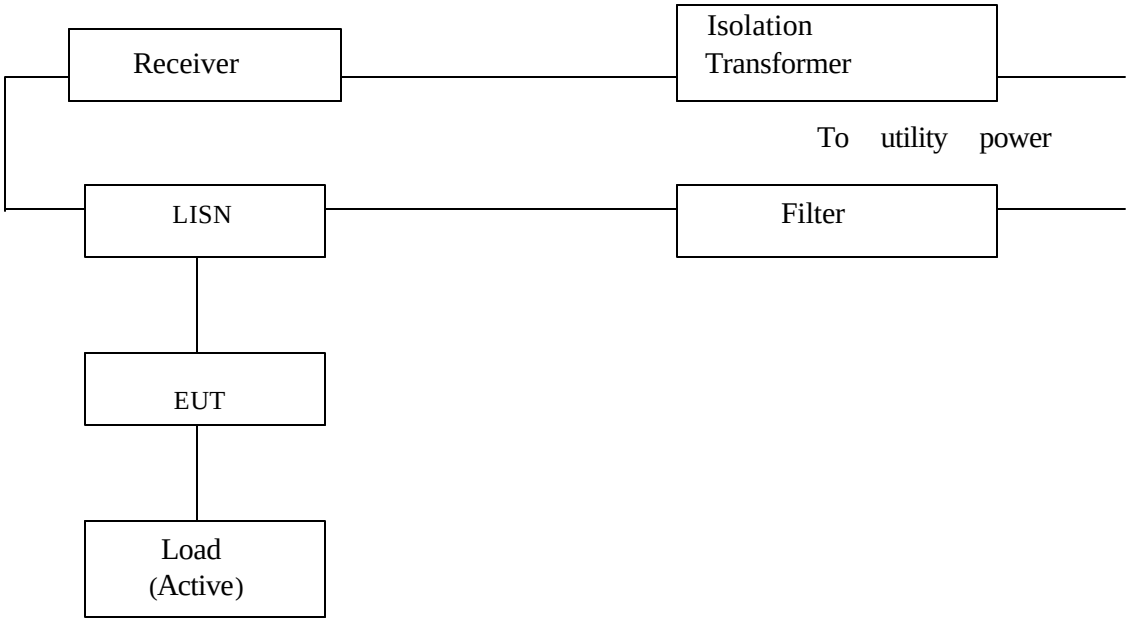
EQUIPMENT/ FACILITIES	SPECIFICATIONS	MANUFACTURER	MODEL#/ SERIAL#	DATE OF CAL. & CAL. CENTER	DUE DATE	FINAL TEST
EMI TEST RECEIVER	9 KHz TO 2750 MHz	ROHDE & SCHWARZ	ESCS30/ 830245/012	JULY 2001 ETC	1Y	√
LISN	50 uH, 50 ohm	SOLAR ELECTRONICS	8012-50-R-24-BNC/ 924839	JUNE 2002 ETC	1Y	√
LISN	50uH, 50 ohm	SOLAR ELECTRONICS	9252-50-R-24-BNC/ 951318	JUNE 2002 ETC	1Y	√
POWER CONVERTER	50 TO 300 VAC 47 TO 63/50/60Hz	AFC	AFC-2KBB/ F100030030	APRIL 2002 SRT	1Y	

3.2 TEST PROCEDURE

The EUT was tested according to ANSI C63.4 - 1992. The frequency spectrum from 0.45 MHz to 30 MHz was investigated. The LISN used was 50 ohm / 50 uH as specified by section 5.1 OF ANSI C63.4 - 1992 . cables and peripherals were moved to find the maximum emission levels for each frequency.

3.3 TEST SETUP





3.4 CONFIGURATION OF THE EUT

The EUT was configured according to ANSI C63.4 - 1992. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

1. EUT

DEVICE	MANUFACTURER	MODEL #	FCC ID/DoC
900MHz CORDLESS TELEPHONE	NEWCONT ELECTRONIC CO., LTD.	NTP-6211B	QFINTP-6211B

2. INTERNAL DEVICES

DEVICE	MANUFACTURER	MODEL #	FCC ID/DoC
N/A			

3. PERIPHERALS

DEVICE	MANUFACTURER	MODEL # SERIAL #	FCC ID/ DoC	CABLE
ADAPTOR	NEWCONT	PPI-0930-UL	DoC	1.5m unshielded power cord

3.5 EUT OPERATING CONDITION

Operating condition is according to ANSI C63.4 - 1992.

1. EUT power on.
2. Frequency Range : Handset → 926.15MHz ~ 927.125MHz
   Base → 902.125MHz ~ 903.1MHz

3.6 CONDUCTED POWER LINE EMISSION LIMITS

FREQUENCY RANGE (MHz)	CLASS A	CLASS B
0.45 - 1.705	60.0dBµV	48.0dBµV
1.705 - 30	69.5dBµV	48.0dBµV

NOTE In the above table, the tighter limit applies at the band edges.

3.7 CONDUCTED POWER LINE TEST RESULTS

The frequency spectrum from 0.45 MHz to 30 MHz was investigated. All readinges are quasi – peak values with a resolution bandwidth of 9 KHz.

Temperature 24
Humidity 54 %RH
Test result

FREQUENCY (MHz)	LINE 1 (dBmV)	LINE 2 (dBmV)	LIMIT (dBmV)
0.85	0.3	*	48.0
1.05	*	4.9	48.0
1.42	6.5	5.8	48.0
15.49	13.4	13.4	48.0
20.65	26.4	26.4	48.0

REMARKS

1. * = Measurement does not apply for this frequency
2. Uncertainty in conducted emission measured is <+/ -2dB
3. Any departure from specification N/A
4. Mode 1

SIGNED BY TESTING ENGINEER **Anson Lin**

3.7 CONDUCTED POWER LINE TEST RESULTS

The frequency spectrum from 0.45 MHz to 30 MHz was investigated. All readinges are quasi – peak values with a resolution bandwidth of 9 KHz.

Temperature 24
Humidity 54 %RH
Test result

FREQUENCY (MHz)	LINE1 (dBmV)	LINE2 (dBmV)	LIMIT (dBmV)
1.05	4.9	*	48.0
1.42	5.8	*	48.0
15.49	13.4	13.4	48.0
20.65	26.4	26.4	48.0

REMARKS

1. * = Measurement does not apply for this frequency
2. Uncertainty in conducted emission measured is <+/ -2dB
3. Any departure from specification N/A
4. Mode 2

SIGNED BY TESTING ENGINEER **Anson Lin**

3.7 CONDUCTED POWER LINE TEST RESULTS

The frequency spectrum from 0.45 MHz to 30 MHz was investigated. All readinges are quasi – peak values with a resolution bandwidth of 9 KHz.

Temperature 24
Humidity 54 %RH
Test result

FREQUENCY (MHz)	LINE1 (dBmV)	LINE2 (dBmV)	LIMIT (dBmV)
0.45	0.1	1.1	48.0
1.42	3.8	*	48.0
10.32	*	6.4	48.0
15.48	14.8	14.2	48.0
20.65	26.6	26.1	48.0

REMARKS

1. * = Measurement does not apply for this frequency
2. Uncertainty in conducted emission measured is <+/ -2dB
3. Any departure from specification N/A
4. Mode 3

SIGNED BY TESTING ENGINEER **Anson Lin**

4. RADIATED EMISSION TEST

4.1 TEST EQUIPMENT

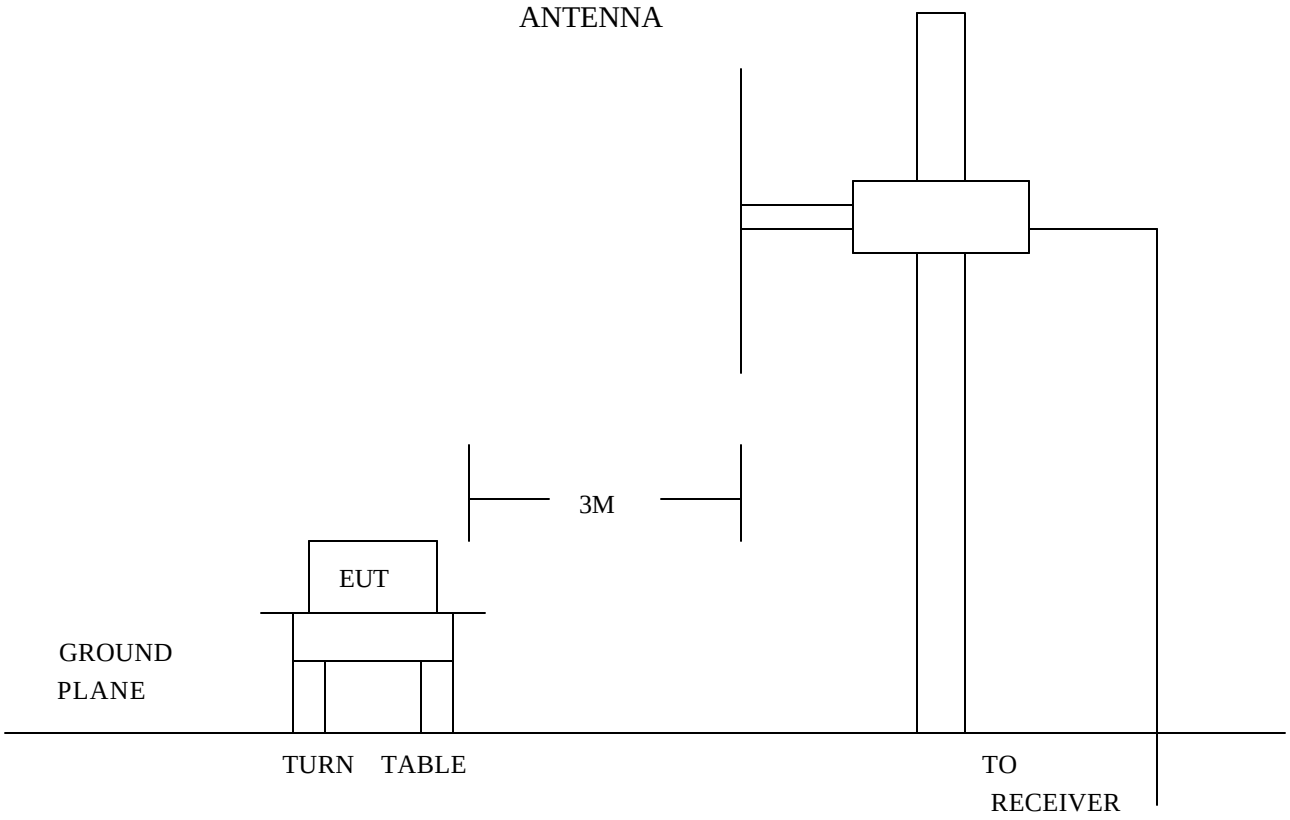
The following test equipments were used during the radiated emission test

EQIPMENT / FACILITIES	SPECIFICA-TIONS	MANUFAC-TURER	MODEL # / SERIAL #	DATE OF CAL. & CAL. CENTER	DUE DATE	FINAL TEST
TEST RECEIVER	9 KHz TO 2750 MHz	R & S	ESCS30/ 830245/012	JULY 2002 ETC	1Y	√
SPECTRUM ANALYZER	9 KHz TO 22 GHz	HP	8593E/ 3322A00670	FEB. 2002 ITRI	1Y	√
DIPOLE ANTENNA	28 MHz TO 1000 MHz	EMCO	3121C/ 9611-1239	FEB. 2002 SRT	1Y	
BI-LOG ANTENNA	30 MHz TO 2 GHz	SCHAFFNER-CHASE	CBL6141A/ 4181	JULY 2001 ETC	1Y	√
BI-LOG ANTENNA	26 MHz TO 1100 MHz	EMCO	3143/ 9509-1152	SEP. 2001 SRT	1Y	
PRE-AMPLIFIER	0.1 MHz TO 1300 MHz	HP	8447D/ 2944A08402	MARCH 2002 SRT	1Y	
PRE-AMPLIFIER	0.1 MHz TO 1300 MHz	HP	8447D/ 2944A06412	JULY 2001 ETC	1Y	
HORN ANTENNA	1 GHz TO 18 GHz	EMCO	3115/ 9012-3619	JAN. 2002 ETC	1Y	√
OATS	3 – 10M MEASUREMENT	SRT	SRT-2	DEC. 2001 SRT	1Y	√

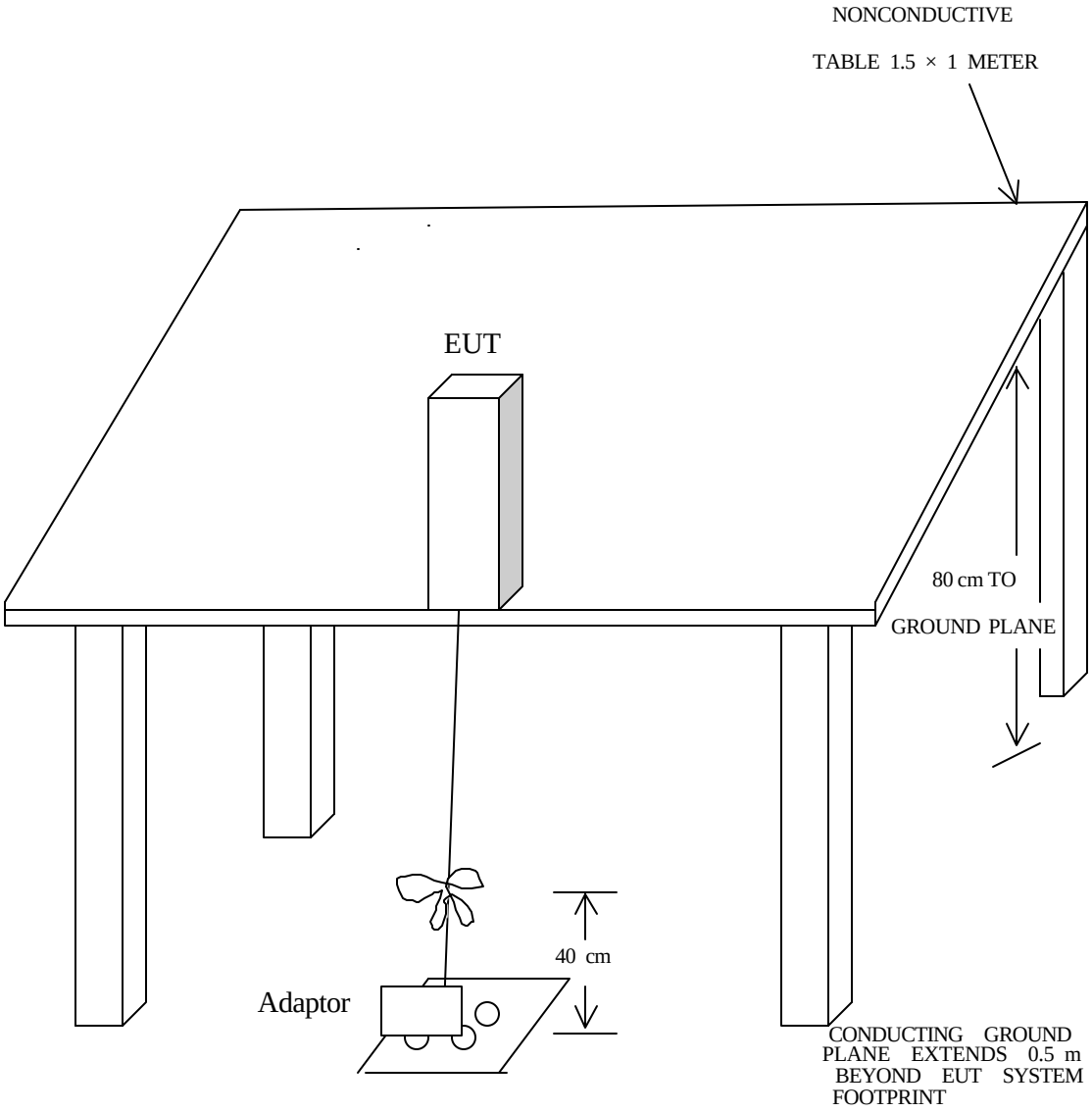
4.2 TEST PROCEDURE

1. The EUT was tested according to ANSI C63.4 - 1992. The radiated test was performed at SRT lab's open site. This site is on file with the FCC laboratory division, reference 31040 / SIT.
2. The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.4-1992.
3. The frequency spectrum from 30 MHz to 5 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 KHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz. Measurements were made at 3 meters.
4. The antenna high were varied from 1 m to 4 m high to find the maximum emission for each frequency.
5. The antenna polarization Vertical polarization and horizontal polarization.

4.3 RADIATED TEST SET-UP



4.3 RADIATED TEST SET-UP



4.4 CONFIGURATION OF THE EUT

Same as section 3.4 of this report

4.5 EUT OPERATING CONDITION

Same as section 3.5 of this report.

4.6 RADIATED EMISSION LIMITS

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below

CLASS B

FREQUENCY (MHz)	DISTANCE (m)	FIELS STRENGTH (dBmV/m)
30 - 88	3	40.0
88 - 216	3	43.5
216 - 960	3	46.0
ABOVE 960	3	54.0

FUNDAMENTAL AND HARMONICS

FUNDAMENTAL FREQUENCY (MHz)	FIELD STRENGTH OF FUNDAMENTAL (dBmV/m)	FIELD STRENGTH OF HARMONICS (dBmV/m)
902 - 928	94.0	54.0

NOTE
1. In the emission tables above , the tighter limit applies at the band edges.
2. Distance refers to the distance between measuring instrument , antemma , and the closest point of any part of the device or system.

4.7 RADIATED EMISSION TEST RESULTS

The frequency spectrum from 30 MHz to 5 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 KHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz. Measurements were made at 3 meters.

Temperature 28
Humidity 58 %RH
Test result

FREQ. (MHz)	FACTOR (dB)	ANT. FACTOR (dB/m)	READING (dBmV)		EMISSION (dBmV/m)		LIMITS (dBmV/m)	AZ (°)	EL (M)
			HORIZ	VERT	HORIZ	VERT			
902.1246(F)	4.7	22.3	24.6	*	51.6	*	94.0	176.0	1.5
902.1246(F)	4.7	22.3	*	29.1	*	56.1	94.0	93.0	1.5
451.0598	3.1	16.9	21.0	*	41.0	*	46.0	85.0	1.0
451.0598	3.1	16.9	*	21.7	*	41.7	46.0	164.0	1.0
893.6301	4.4	22.1	*	13.9	*	40.4	46.0	77.0	1.0

REMARKS

1. *= Measurement does not apply for this frequency.
2. Uncertainty in radiated emission measured is <+/-4dB
3. Any departure from specification N/A
4. Factor will include cable loss and correction factor.
5. Sample calculation
   Emissiom(dBμv/m) = Factor (dB) + Ant. Factor (dB/m) + reading (dBμV)
6. AZ(°) Turn table azinuth
7. EL(M) Antenna height (Meter)
8. The other emission level was very low against the limit.
9. (F) Fundamental frequency
10. Harmonics are more than 20dB below the allowed limit of Part 15.209.
11. Mode 1 Base CH1

SIGNED BY TESTING ENGINEER **Anson Lin**

4.7 RADIATED EMISSION TEST RESULTS

The frequency spectrum from 30 MHz to 5 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 KHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz. Measurements were made at 3 meters.

Temperature 28
Humidity 58 %RH
Test result

FREQ. (MHz)	FACTOR (dB)	ANT. FACTOR (dB/m)	READING (dBmV)		EMISSION (dBmV/m)		LIMITS (dBmV/m)	AZ (°)	EL (M)
			HORIZ	VERT	HORIZ	VERT			
902.6265(F)	4.7	22.3	24.6	*	51.6	*	94.0	168.0	1.0
902.6265(F)	4.7	22.3	*	27.8	*	54.8	94.0	45.0	1.3
451.0635	3.1	16.9	*	21.2	*	41.2	46.0	63.0	1.5
451.3033	3.1	16.9	19.4	*	39.4	*	46.0	45.0	1.3

REMARKS

1. *= Measurement does not apply for this frequency.
2. Uncertainty in radiated emission measured is <+/-4dB
3. Any departure from specification N/A
4. Factor will include cable loss and correction factor.
5. Sample calculation
   Emissiom(dBμv/m) = Factor (dB) + Ant. Factor (dB/m) + reading (dBμV)
6. AZ(°) Turn table azinuth
7. EL(M) Antenna height (Meter)
8. The other emission level was very low against the limit.
9. (F) Fundamental frequency
11. Harmonics are more than 20dB below the allowed limit of Part 15.209.
11. Mode 1 Base CH21

SIGNED BY TESTING ENGINEER **Anson Lin**

4.7 RADIATED EMISSION TEST RESULTS

The frequency spectrum from 30 MHz to 5 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 KHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz. Measurements were made at 3 meters.

Temperature 28
Humidity 58 %RH
Test result

FREQ. (MHz)	FACTOR (dB)	ANT. FACTOR (dB/m)	READING (dBmV)		EMISSION (dBmV/m)		LIMITS (dBmV/m)	AZ (°)	EL (M)
			HORIZ	VERT	HORIZ	VERT			
903.1038(F)	4.7	22.3	21.4	*	48.4	*	94.0	162.0	1.0
903.1038(F)	4.7	22.3	*	27.6	*	54.6	94.0	44.0	1.0
451.5632	3.1	16.9	18.7	*	38.7	*	46.0	32.0	2.5
451.5632	3.1	16.9	*	21.2	*	41.2	46.0	224.0	1.5

REMARKS

1. *= Measurement does not apply for this frequency.
2. Uncertainty in radiated emission measured is <+/-4dB
3. Any departure from specification N/A
4. Factor will include cable loss and correction factor.
5. Sample calculation
   Emissiom(dBμv/m) = Factor (dB) + Ant. Factor (dB/m) + reading (dBμV)
6. AZ(°) Turn table azinuth
7. EL(M) Antenna height (Meter)
8. The other emission level was very low against the limit.
9. (F) Fundamental frequency
10. Harmonics are more than 20dB below the allowed limit of Part 15.209.
11. Mode 1 Base CH40

SIGNED BY TESTING ENGINEER Anson Lin

4.7 RADIATED EMISSION TEST RESULTS

The frequency spectrum from 30 MHz to 5 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 KHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz. Measurements were made at 3 meters.

Temperature 28
Humidity 58 %RH
Test result

FREQ. (MHz)	FACTOR (dB)	ANT. FACTOR (dB/m)	READING (dBmV)		EMISSION (dBmV/m)		LIMITS (dBmV/m)	AZ (°)	EL (M)
			HORIZ	VERT	HORIZ	VERT			
926.1465(F)	4.7	22.8	36.8	*	64.3	*	94.0	165.0	1.5
926.1465(F)	4.7	22.8	*	44.9	*	72.4	94.0	176.0	1.5
463.0728	3.1	17.1	16.8	*	37.0	*	46.0	72.0	2.0
463.0728	3.1	17.1	*	15.7	*	35.9	46.0	98.0	1.0
468.1246	3.1	17.1	18.6	*	38.8	*	46.0	275.0	1.0

REMARKS

1. *= Measurement does not apply for this frequency.
2. Uncertainty in radiated emission measured is <+/-4dB
3. Any departure from specification N/A
4. Factor will include cable loss and correction factor.
5. Sample calculation
   Emissiom(dBμv/m) = Factor (dB) + Ant. Factor (dB/m) + reading (dBμV)
6. AZ(°) Turn table azinuth
7. EL(M) Antenna height (Meter)
8. The other emission level was very low against the limit.
9. (F) Fundamental frequency
11. Harmonics are more than 20dB below the allowed limit of Part 15.209.

11. Mode 1 Handset CH1

SIGNED BY TESTING ENGINEER **Anson Lin**

4.7 RADIATED EMISSION TEST RESULTS

The frequency spectrum from 30 MHz to 5 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 KHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz. Measurements were made at 3 meters.

Temperature 28
Humidity 58 %RH
Test result

FREQ. (MHz)	FACTOR (dB)	ANT. FACTOR (dB/m)	READING (dBmV)		EMISSION (dBmV/m)		LIMITS (dBmV/m)	AZ (°)	EL (M)
			HORIZ	VERT	HORIZ	VERT			
926.6670(F)	4.7	22.8	44.3	*	71.8	*	94.0	171.0	1.3
926.6670(F)	4.7	22.8	*	45.3	*	72.8	94.0	349.0	1.0
463.3119	3.1	17.1	16.1	*	36.3	*	46.0	92.0	1.0
468.4060	3.1	17.1	*	15.1	*	35.3	46.0	282.0	1.5
937.9268	4.7	23.0	*	12.6	*	40.3	46.0	77.0	1.3

REMARKS

1. *= Measurement does not apply for this frequency.
2. Uncertainty in radiated emission measured is <+/-4dB
3. Any departure from specification N/A
4. Factor will include cable loss and correction factor.
5. Sample calculation
   Emissiom(dBμv/m) = Factor (dB) + Ant. Factor (dB/m) + reading (dBμV)
6. AZ(°) Turn table azinuth
7. EL(M) Antenna height (Meter)
8. The other emission level was very low against the limit.
9. (F) Fundamental frequency
12. Harmonics are more than 20dB below the allowed limit of Part 15.209.
11. Mode 1 Handset CH21

SIGNED BY TESTING ENGINEER Anson Lin

4.7 RADIATED EMISSION TEST RESULTS

The frequency spectrum from 30 MHz to 5 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 KHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz. Measurements were made at 3 meters.

Temperature 28
Humidity 58 %RH
Test result

FREQ. (MHz)	FACTOR (dB)	ANT. FACTOR (dB/m)	READING (dBmV)		EMISSION (dBmV/m)		LIMITS (dBmV/m)	AZ (°)	EL (M)
			HORIZ	VERT	HORIZ	VERT			
927.1249(F)	4.7	22.8	44.9	*	72.4	*	94.0	189.0	1.0
927.1249(F)	4.7	22.8	*	46.1	*	73.6	94.0	196.0	1.0
468.5916	3.1	17.1	18.4	*	38.6	*	46.0	21.0	1.0
468.5916	3.1	17.1	*	15.9	*	36.1	46.0	343.0	1.3
937.9468	4.7	23.0	*	10.6	*	38.3	46.0	10.0	1.0

REMARKS

1. *= Measurement does not apply for this frequency.
2. Uncertainty in radiated emission measured is <+/-4dB
3. Any departure from specification N/A
4. Factor will include cable loss and correction factor.
5. Sample calculation
   Emissiom(dBμv/m) = Factor (dB) + Ant. Factor (dB/m) + reading (dBμV)
6. AZ(°) Turn table azinuth
7. EL(M) Antenna height (Meter)
8. The other emission level was very low against the limit.
9. (F) Fundamental frequency
13. Harmonics are more than 20dB below the allowed limit of Part 15.209.
11. Mode 1 Handset CH40

SIGNED BY TESTING ENGINEER **Anson Lin**

4.7 RADIATED EMISSION TEST RESULTS

The frequency spectrum from 30 MHz to 5 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 KHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz. Measurements were made at 3 meters.

Temperature 28
Humidity 58 %RH
Test result

FREQ. (MHz)	FACTOR (dB)	ANT. FACTOR (dB/m)	READING (dBmV)		EMISSION (dBmV/m)		LIMITS (dBmV/m)	AZ (°)	EL (M)
			HORIZ	VERT	HORIZ	VERT			
902.1246(F)	4.7	22.3	36.7	*	63.7	*	94.0	22.0	1.0
902.1246(F)	4.7	22.3	*	45.3	*	72.3	94.0	16.0	1.0
451.0620	3.1	16.9	11.6	*	31.6	*	46.0	167.0	1.5
451.0620	3.1	16.9	*	12.6	*	32.6	46.0	196.0	2.0

REMARKS

1. *= Measurement does not apply for this frequency.
2. Uncertainty in radiated emission measured is <+/-4dB
3. Any departure from specification N/A
4. Factor will include cable loss and correction factor.
5. Sample calculation
   Emissiom(dBμv/m) = Factor (dB) + Ant. Factor (dB/m) + reading (dBμV)
6. AZ(°) Turn table azinuth
7. EL(M) Antenna height (Meter)
8. The other emission level was very low against the limit.
9. (F) Fundamental frequency
10. Harmonics are more than 20dB below the allowed limit of Part 15.209.
11. Mode 2 CH1

SIGNED BY TESTING ENGINEER Anson Lin

4.7 RADIATED EMISSION TEST RESULTS

The frequency spectrum from 30 MHz to 5 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 KHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz. Measurements were made at 3 meters.

Temperature 28
Humidity 58 %RH
Test result

FREQ. (MHz)	FACTOR (dB)	ANT. FACTOR (dB/m)	READING (dBmV)		EMISSION (dBmV/m)		LIMITS (dBmV/m)	AZ (°)	EL (M)
			HORIZ	VERT	HORIZ	VERT			
902.6265(F)	4.7	22.3	38.7	*	65.7	*	94.0	26.0	1.0
902.6265(F)	4.7	22.3	*	46.3	*	73.3	94.0	30.0	1.0
451.3033	3.1	16.9	11.9	*	31.9	*	46.0	187.0	1.5
451.3033	3.1	16.9	*	12.3	*	32.3	46.0	164.0	1.5

REMARKS

1. *= Measurement does not apply for this frequency.
2. Uncertainty in radiated emission measured is <+/-4dB
3. Any departure from specification N/A
4. Factor will include cable loss and correction factor.
5. Sample calculation
   Emissiom(dBμv/m) = Factor (dB) + Ant. Factor (dB/m) + reading (dBμV)
6. AZ(°) Turn table azinuth
7. EL(M) Antenna height (Meter)
8. The other emission level was very low against the limit.
9. (F) Fundamental frequency
10. Harmonics are more than 20dB below the allowed limit of Part 15.209.
11. Mode 2 CH21

SIGNED BY TESTING ENGINEER Anson Lin

4.7 RADIATED EMISSION TEST RESULTS

The frequency spectrum from 30 MHz to 5 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 KHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz. Measurements were made at 3 meters.

Temperature 28
Humidity 58 %RH
Test result

FREQ. (MHz)	FACTOR (dB)	ANT. FACTOR (dB/m)	READING (dBmV)		EMISSION (dBmV/m)		LIMITS (dBmV/m)	AZ (°)	EL (M)
			HORIZ	VERT	HORIZ	VERT			
903.1038(F)	4.7	22.3	39.6	*	66.6	*	94.0	33.0	1.0
903.1038(F)	4.7	22.3	*	47.1	*	74.1	94.0	10.0	1.0
451.5160	3.1	16.9	12.0	*	32.0	*	46.0	195.0	2.0
451.5160	3.1	16.9	*	10.3	*	30.3	46.0	185.0	1.0

REMARKS

1. *= Measurement does not apply for this frequency.
2. Uncertainty in radiated emission measured is <+/-4dB
3. Any departure from specification N/A
4. Factor will include cable loss and correction factor.
5. Sample calculation
   Emissiom(dBμv/m) = Factor (dB) + Ant. Factor (dB/m) + reading (dBμV)
6. AZ(°) Turn table azinuth
7. EL(M) Antenna height (Meter)
8. The other emission level was very low against the limit.
9. (F) Fundamental frequency
10. Harmonics are more than 20dB below the allowed limit of Part 15.209.
11. Mode 2 CH40

SIGNED BY TESTING ENGINEER Anson Lin

4.7 RADIATED EMISSION TEST RESULTS

The frequency spectrum from 30 MHz to 5 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 KHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz. Measurements were made at 3 meters.

Temperature 28
Humidity 58 %RH
Test result

FREQ. (MHz)	FACTOR (dB)	ANT. FACTOR (dB/m)	READING (dBmV)		EMISSION (dBmV/m)		LIMITS (dBmV/m)	AZ (°)	EL (M)
			HORIZ	VERT	HORIZ	VERT			
892.1200	4.4	22.2	14.3	11.8	40.9	38.4	46.0	12.0	1.0
937.4500	4.7	23.1	14.2	13.2	42.0	41.0	46.0	0.0	1.5

REMARKS

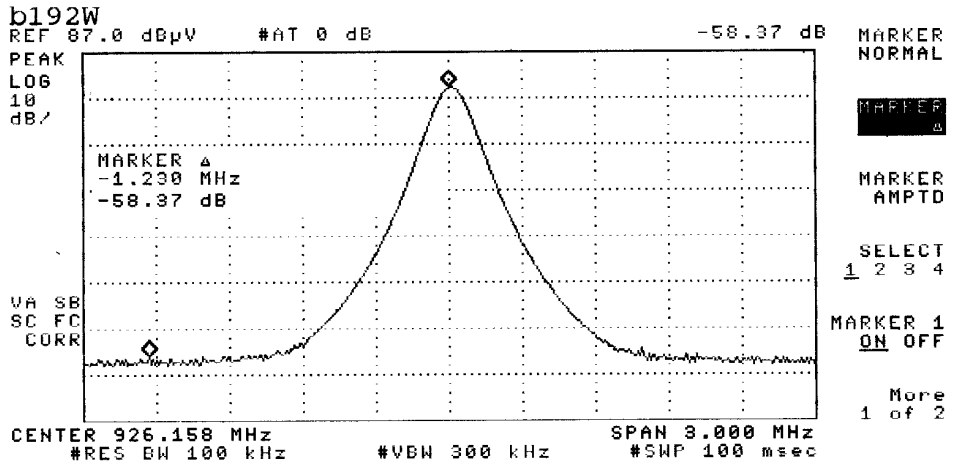
1. *= Measurement does not apply for this frequency.
2. Uncertainty in radiated emission measured is <+/-4dB
3. Any departure from specification N/A
4. Factor will include cable loss and correction factor.
5. Sample calculation
   Emissiom(dBμv/m) = Factor (dB) + Ant. Factor (dB/m) + reading (dBμV)
6. AZ(°) Turn table azinuth
7. EL(M) Antenna height (Meter)
8. The other emission level was very low against the limit.
9. Mode 3

SIGNED BY TESTING ENGINEER Anson Lin

5. BANDEDGE TEST

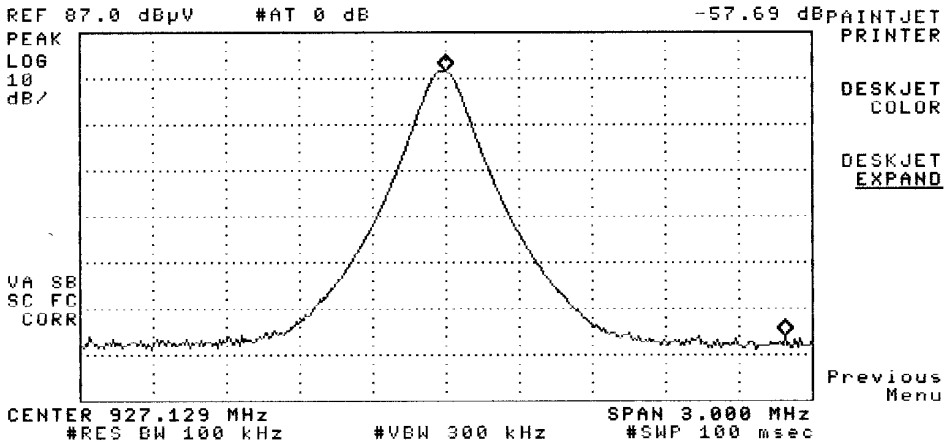
According to Sec.15.249, emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the radiated emission limits in Sec. 15.209.

*Handset : CH1



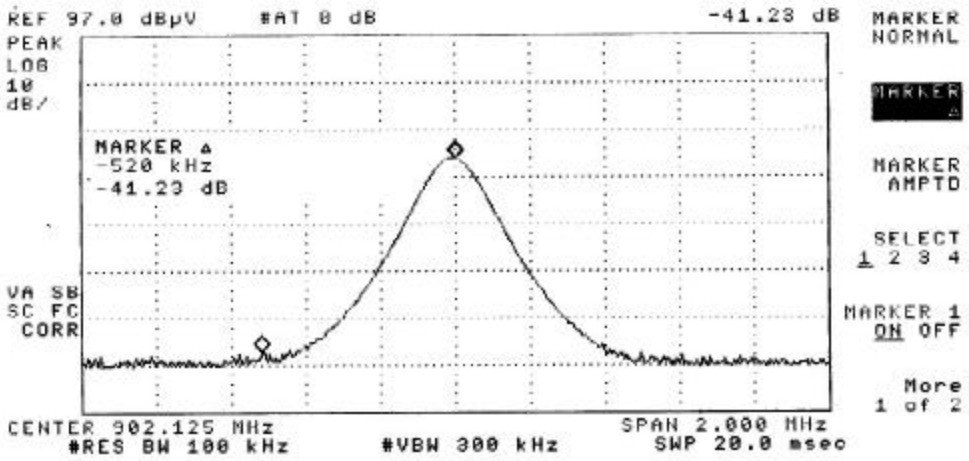
Lab Code: 200099-0

*Handset : CH40

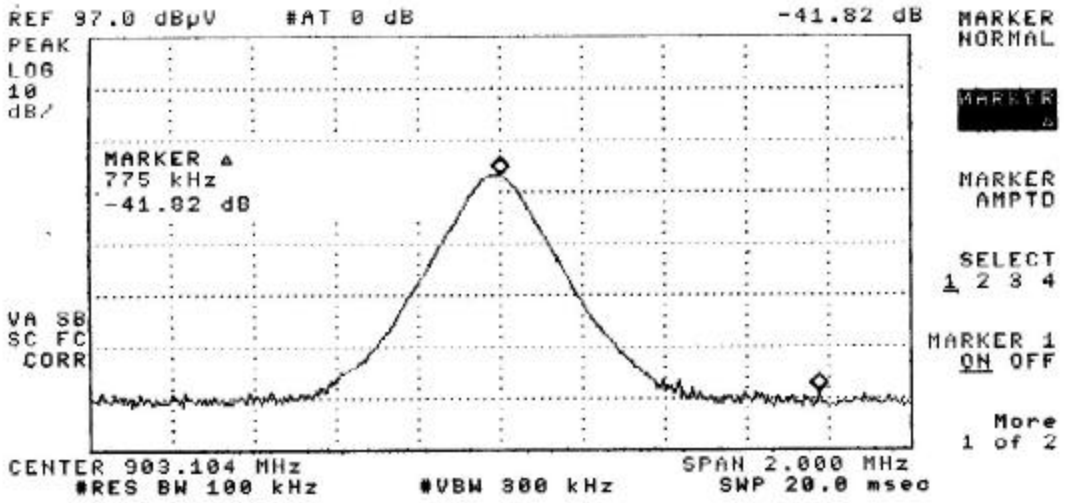


Lab Code: 200099-0

*Base : CH1


REF 97.0 dBµV
#AT 0 dB
-41.23 dB
PEAK
LOG
10
dB/
MARKER Δ
-520 kHz
-41.23 dB
VA SB
SC FC
CORR
MARKER
NORMAL
MARKER Δ
MARKER
AMPTD
SELECT
1 2 3 4
MARKER 1
ON OFF
More
1 of 2
CENTER 902.125 MHz
#RES BW 100 kHz
#VBW 300 kHz
SPAN 2.000 MHz
SWP 20.0 msec

*Base : CH40


REF 97.0 dBµV
#AT 0 dB
-41.82 dB
PEAK
LOG
10
dB/
MARKER Δ
775 kHz
-41.82 dB
VA SB
SC FC
CORR
CENTER 903.104 MHz
#RES BW 100 kHz
#VBW 300 kHz
SPAN 2.000 MHz
SWP 20.0 msec
MARKER
NORMAL
MARKER
AMPTD
SELECT
1 2 3 4
MARKER 1
ON OFF
More
1 of 2