EXHIBIT C

Test Report

Report No.	D0415748
Specifications Test Method	FCC Part 15 Class B, Certification ANSI C63.4 1992
Applicant address	29 Tzu-Chiang Street, Tu-Cheng, Taipei Hsien, Taiwan, R.O.C.
Applicant Items tested Model No.	DBTEL INCORPORATED 25-Channel Cordless Telephone DB-8080
Results Sample received data	As detailed within this report 08/25/1998 (month / day / year)
Prepared by	project engineer
Authorized by	Vice General Manager (Jacob Lin)
Issue date	(month / day / year)
Modifications	**None**
Tested by	Training Research Co., Ltd.
Office at	2F, No. 571, Chung Hsiao E. Road, See.7, Taipei, Taiwan
Open site at	No. 5-3, Lane 21, Yen Chiu Yuan Rd., See.4, Taipei Taiwan

Conditions of issue:

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(2). ***This report must not be used by the client to claim product endorsement by NVLAP or nay agency of U.S. Government.***

★ *FCC ID : BW3DB-8080*

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Chapter 1 Introduction

Description of EUT :

This is a 25-channel cordless telephone which is normally used at home with RJ11 jack.

Connections of EUT :

(1)Put the recycle battery to handset of EUT.
(2)Jack of EUT connects with a line cable to the PABX located remotely.
(3)DC jack of EUT connects with a Adaptor.

Test method:

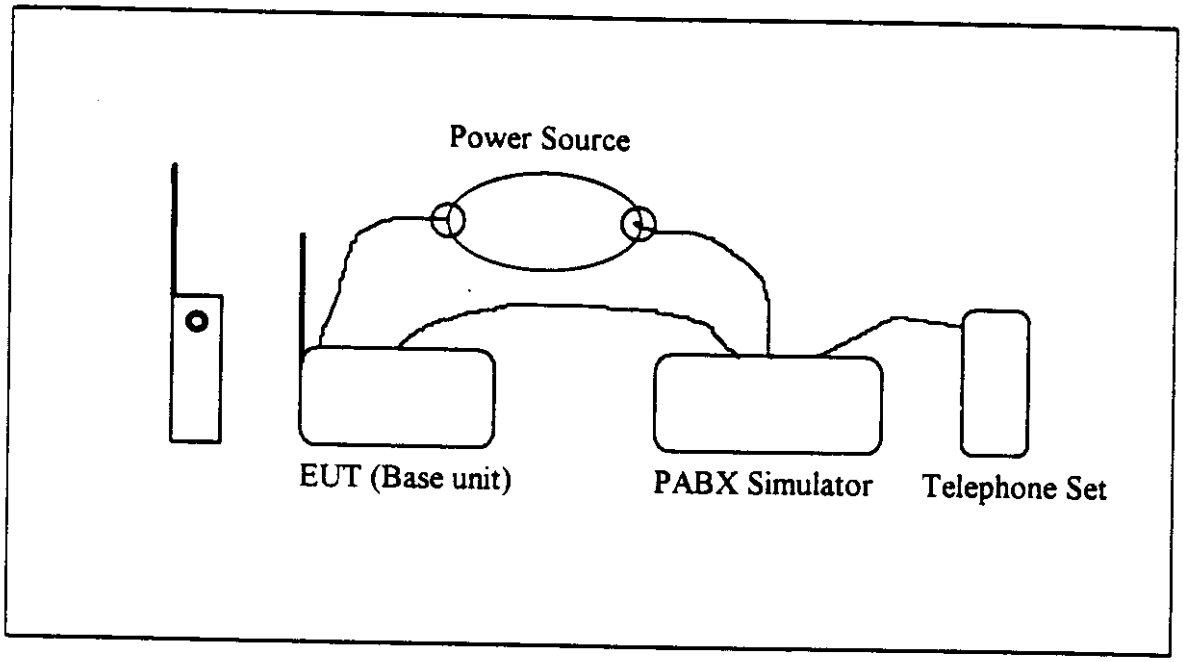
Pretest was found that the emission of operating mode is worse than standby mode. So, The final test is made at the operating mode.

During testing, the EUT was operated at "channel 1, 25 separately" mode simultaneously.

The test placement as the photographs showed is the worst case emission placed. (If the emission is close to the ambient, the resolution BW and view resolution will be reduced and the data will be recorded by detection of maximum hold peak mode.)

The testing configuration of test setup is showing in the next page.

Configuration of test setup



Connections :

*Jack of base--- via non-shielded, 1.7m long, , no ferrite core 15 m RJ11C cable to PABX located remotely

List of support equipment

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

Description of automatic channel selection mechanism :

Questions:

(1)Does the device check both frequencies in the channel it attempts to link to ?

(2)How many channels does the device attempt to link to ?

(3)What happens when all of the channels are busy ?

(4)When the device finds a busy channel, does it scan both frequencies in the next channel that attempting to link to ?

Answers:

(1)Yes, it is will check B/U & H/S, both frequencies is free in the channel then it link both B/U and H/S to talk.

(2)3 channel.

(3)Return to standby mode, then it will be to beep link error.

(4)Yes.

Chapter 2 Conducted emission test

Test condition and setup :

All the equipment is placed and setup according to the ANSI C63.4 - 1992.
The EUT is assembled on a wooden table which is 80 cm high, is placed 40 cm from the back-wall which is a vertical conducting plane. One LISN is for EUT, the other LISN is for support equipment. They are all placed on the conductive ground .The EUT's LISN connect a line switch box for selecting L1 or L2, then connect to a preamplifier and spectrum.

The spectrum scans from 450KHz to 30MHz. Conducted emission levels are detected at max. peak mode . But if the max. peak mode failed ,it will be measured by CISPR's quasi-peak detection mode .

While testing, there is a the worst-emission plot printed at peak detection mode, and there are more than 6 highest emissions relative to limit recorded. The plot is kept as the original data, not included in test report.

List of test Instrument:

				Calibration Date	
Instrument Name	Model No.	Brand	Serial No.	Last time	Next time
Spectrum analyzer	8591EM	H P	3619A00821	10/06/97	10/06/98
LISN (EUT)	3825/2	EMCO	9411-2284	05/15/98	05/15/99
LISN (Support E.)	3825/2	EMCO	9210-2007	05/15/98	05/15/99
Preamplifier	8447F	H P	2944A03706	05/13/98	05/15/99
Line switch box	AC1-003	TRC	---------	05/15/98	05/15/99
Line selector	AC1-002	TRC	---------	05/15/98	05/15/99

The level of confidence of 95%, the uncertainty of measurement of conducted emission is ± 2.4 dB.

Test Result: Pass (Appendix A)

Chapter 3 Radiated emission test

Test condition and setup :

Pretest: Prior to the final test (OATS test), the EUT is placed in a shielded enclosure, GTEM, and scan from 30MHz to 1GHz.This is done to ensure the radiation exactly emits form the EUT.

Final test: Final radiation measurements is made on a **3 - meter,** open-field test site. The EUT is placed on a nonconductive table which is 0.8 m height, the top surface is 1.0 x 1.5 meter. All the placement is according to ANSI C63.4 – 1992.

The spectrum is examined from 30 MHz to 1000 MHz measured by HP spectrum.

The EMCO whole range Antenna is used to measure frequency from 30 MHz to 1GHz.The final test is used the spectrum HP 8594EM.

Measure more than six top marked frequencies generated form pretest by computer step by step at each frequency. The EUT is rotated 360 degrees, and antenna is raised and lowered from 1 to 4 meters to find the maximum emission levels. The antenna is used with both horizontal and vertical polarization.

Appropriated preamplifier which is made by TRC is used for improving sensitivity and precautions is taken to avoid overloading .The spectrum analyzer's 6dB bandwidth is set to 120 KHz, and the EUT is measured at quasi-peak mode.

If the emission is close to the frequency band of ambient, the data will be rechecked by the tester and the corrected data will be written in the test data sheet. If the emission is just within the ambient ,the data from GTEM will be taken as the final data.

List of test Instrument:

Instrument name	Model No.	Brand	Serial No.	Calibration Date: Last	Next
Spectrum analyzer	8568B	H P	3004A18617	05/15/98	05/15/99
Quasi-peak Adapter	85650A	H P	2521A00984	05/15/98	05/15/99
RF Pre-selector	85685A	H P	2947A01011	05/15/98	05/15/99
Spectrum analyzer	8594EM	H P	3619A00198	08/13/97	08/13/98
Antenna (30M-2G Hz)	3142	EMCO	1296	06/10/98	06/10/99
Open test side (Antenna, Amplify, cable calibrated together)				05/15/98	05/15/99

The level of confidence of 95%, the uncertainty of measurement of radiated emission is ± 4.96 dB.

Test Result: Pass (Appendix B)

Chapter 4 Verify Frequencies and Channels

Verify the Frequency Pairs

Channel	Handset (MHz)	Base (MHz)	Channel	Handset (MHz)	Base (MHz)
1	48.76009	43.72005	14	49.46001	44.46002
2	48.84002	43.74001	15	49.49999	44.48001
3	48.86003	43.82002	16	49.67003	46.61002
4	48.92001	43.84002	17	49.84500	46.63001
5	49.01998	43.92004	18	49.86002	46.67005
6	49.08004	43.96004	19	49.77002	46.71003
7	49.10001	44.12002	20	49.87503	46.73004
8	49.16003	44.16002	21	49.83006	46.77005
9	49.20002	44.18004	22	49.89002	46.83002
10	49.24001	44.20002	23	49.93002	46.87001
11	49.28002	44.32001	24	49.99004	46.93001
12	49.36001	44.36003	25	49.97001	46.97002
13	49.40002	44.40001			

Verify the "Automatic Channel Selection Mechanism"

1. Using another cordless phone (EUT 1) which was set at channel one (43.72), then using 2.5 kHz modulation signal to the handset's microphone.
2. Turn on the handset of EUT 2,recorded the frequency of base.
3. Then push the "Channel" button which is set for channel - scanning and listened to the handset if the 2.5 kHz can heard on the handset of EUT 2.
4. Repeated step 3 more than 30 times, then checked if channel one get recorded.
5. Adjusted the channel to 15, repeated all step again.

Result : EUT 2 was unable to occupy the channel being used.

Chapter 5 Occupied bandwidth test

Test condition and setup :

Handset :

(1)Setup as the configuration (4 -1) next page.

(2)*Press "Talk " button to link and select Channel 1(or 2,3,4,5)*.

(3)Centered the selected frequency and Setup the spectrum Span=40KHz or 50KHz, RB=300Hz; Setup the frequency of modulation meter.

(4)Setup the SG=2.5KHz and take the handset as close as to the output speaker.

(5)Plot the carrier without modulation.

(6)Turn on the Amplify and adjust the output level until getting the max. deviation (D) read from modulation meter. (Be sure the D<100 Hz when SG no output)

(7)Adjust the SG level until getting 85% max. deviation. (i.e. 0.85x D KHz)

(8)Plot the modulation bandwidth, 26 dB down from the unmodulation carrier.

(9)Turn the output level to zero and off the amplify.

(10)*Select Handset to Channel 25 (or 24,23,22,21)*.

(11)Repeat the procedure (3) to (9).

Base :

(1)Setup as the configuration (4-2) next page and dial "1" to mute the dial tone.

(2)*Press "Talk " button to link and select Channel 1 (or 2,3,4,5)*

(3)Centered frequency at selected channel and Repeat the step (5)-(9) of handset.

(4)*Select Handset to Channel 25(or 24,23,21)*

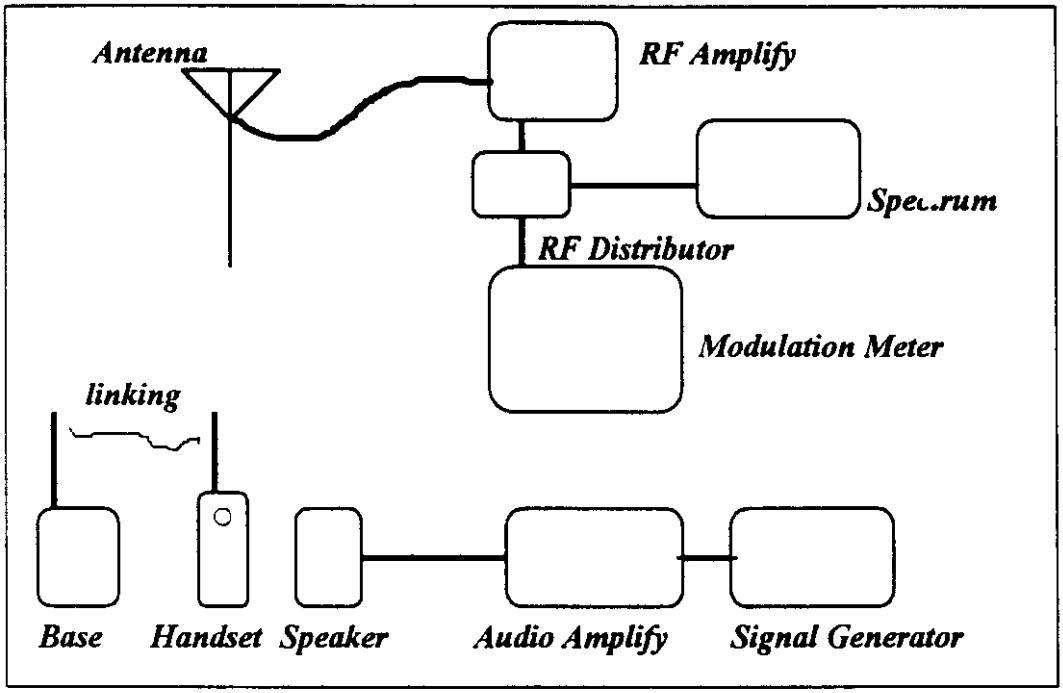
(5)Centered frequency at selected channel and Repeat the step (5)-(9) of handset.

List of test Instrument :

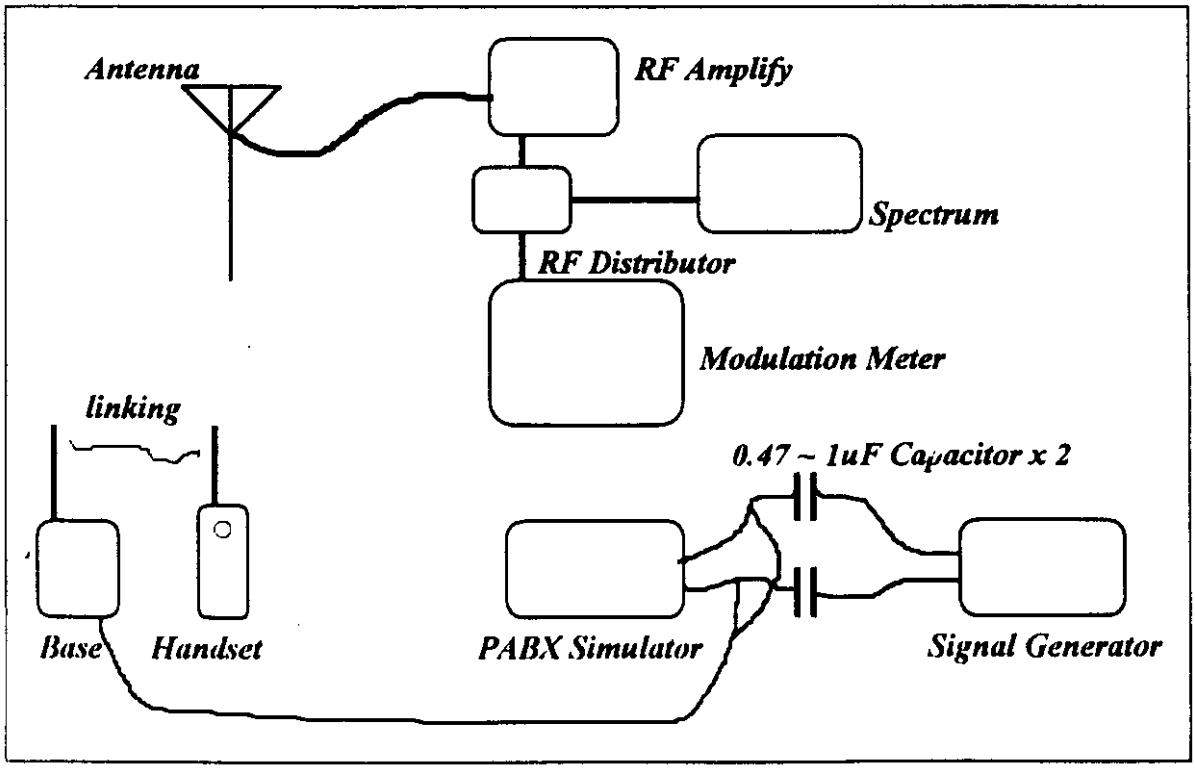
Instrument name	Model No.	Brand	Remark
Spectrum Analyzer	8591A	HP	1.8GHz
Signal Generator	8116A	HP	50MHz
RF Amplify	TIA-1000-1R8	Mini-Circuits	35dB
Modulation Meter	AMM2000	Farnell	
Antenna (30M Hz -300 Hz)	3110	EMCO	300MHz
Audio Amplify	A-305	Pioneer	

Test result : Pass (Appendix C)

Configuration of occupied BW test for handset : (4-1)



Configuration of occupied BW test for Base : (4-2)



Chapter 6 Frequency Stability Measurement

Test condition and setup :

Item 1 : Temperature variation

(1)Setup as the configuration (5-1) next page.
(2)Put the handset and base into the chamber.
(3)Set handset and base to channel 1,and verify the frequency on spectrum.
(4)Setup Spectrum, set counter on ,Decrease the Span until the reading is correct.
(5)Turn on the chamber and set the temperature to –20 ° C.
(6)Keeping the setting temperature 10 min. and record the frequency by counter on.
(7)Set the temperature to 25 ° C and repeat Step (6).
(8)Set the temperature to 50 ° C and repeat Step (6), then turn off the chamber.
(9)Set handset and base to channel 25, and verify the frequency on spectrum.
(10)Repeat Step (5) to (9).(Temperature can be set up from 50 ° C to –20 ° C)

Item 2 : Power Voltage variation

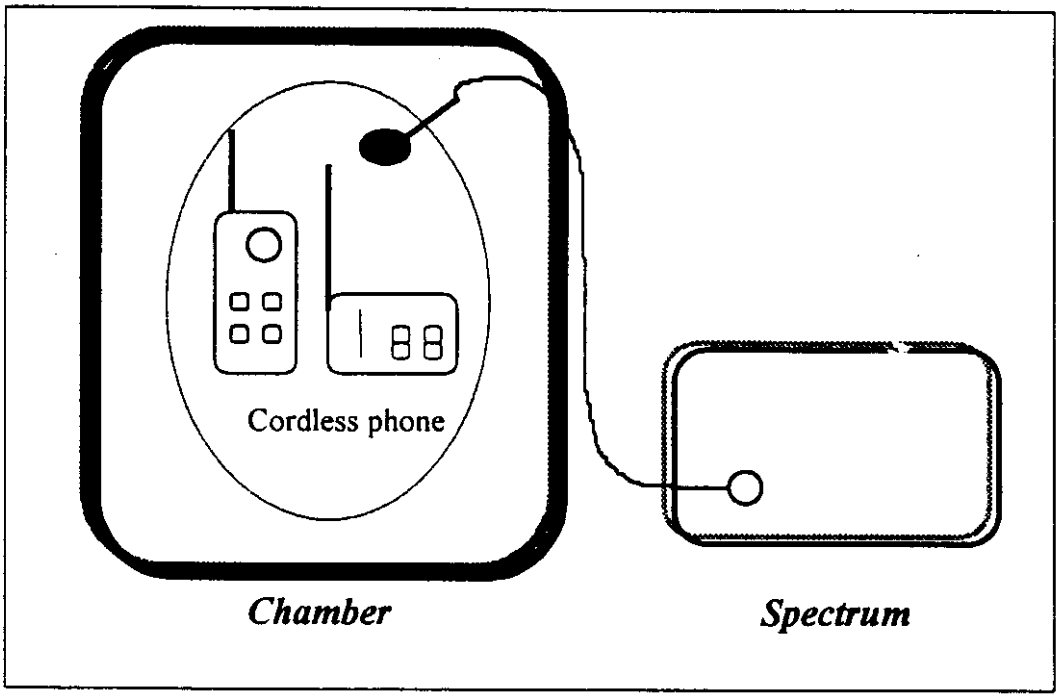
(1)Setup as the configuration (5-2) next page.
(2)Do the step (3),(4) of Item 1 test.
(3)Base: Adjust the auto-transformer to 102, 120, 138 VAC and record the frequency separately.
(4)Adjust the auto-transformer to Endpoint voltage and record the voltage.
(5)Handset: Adjust the power supply to 3.06,3.6,4.14VDC and record the frequency separately.
(6)Adjust the power supply to Endpoint voltage and record the voltage.
(7)Set handset and base to channel 25, and verify the frequency on spectrum.
(8)Repeat Step (3) to (6).

List of test Instrument :

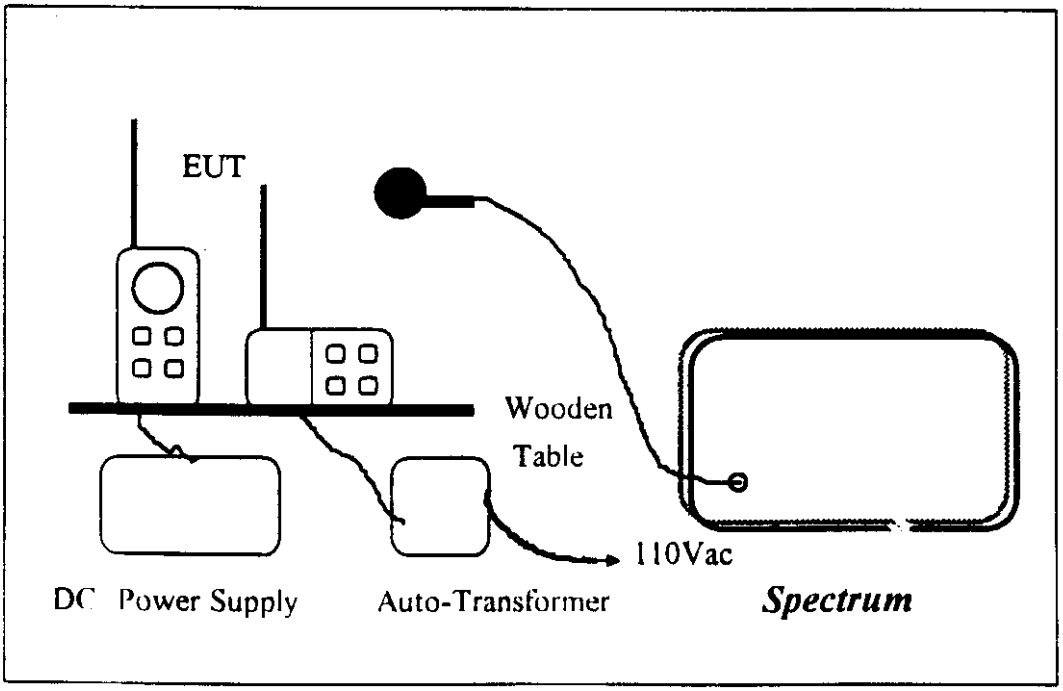
Instrument name	Model No.	Brand	Remark
Spectrum Analyzer	8591A	H P	1.8GHz
Temperature Chamber	THS-MV2	King Son	
Near field Probe	7405-901	EMCO	
Power Supply			
Auto Transformer	Powerstat	Supprior Elec. Co.	

Test result : Pass *(Appendix D)*

Configuration of Temperature variation test : (5-1)



Configuration of Voltage variation test : (5-2)



Appendix A

Conducted Emission Test Result : (Channel 1)

Testing room : Temperature : 27° C Humidity : 60 %

Line 1

Frequency (KHz)	Amplitude (dBuV)	Limit (dBuV)	Margin (dB)
593.00	25.42	48.00	-22.58
764.00	23.05	48.00	-24.95
1021.00	22.02	48.00	-25.98
1149.00	40.34	48.00	-7.66
2730.00	24.30	48.00	-23.70
2790.00	22.86	48.00	-25.14
24120.00	23.25	48.00	-24.75
***			

Line 2

Frequency (KHz)	Amplitude (dBuV)	Limit (dBuV)	Margin (dB)
851.00	32.72	48.00	-15.28
1027.00	23.55	48.00	-24.45
1084.00	32.93	48.00	-15.07
1120.00	23.18	48.00	-24.82
2930.00	25.10	48.00	-22.90
24120.00	21.04	48.00	-26.96
***			

Conducted Emission Test Result : (Channel 25)

Testing room : Temperature : 27° C Humidity : 60 %

Line 1

Frequency (KHz)	*Amplitude (dBuV)*	*Limit (dBuV)*	*Margin (dB)*
769.00	20.95	48.00	-27.05
818.00	20.02	48.00	-27.98
1021.00	28.37	48.00	-19.63
1063.00	21.31	48.00	-26.69
1120.00	21.75	48.00	-26.25
1747.00	36.88	48.00	-11.12
24120.00	20.79	48.00	-27.21
***			

Line 2

Frequency (KHz)	*Amplitude (dBuV)*	*Limit (dBuV)*	*Margin (dB)*
813.00	29.81	48.00	-18.19
1034.00	27.38	48.00	-20.62
1063.00	26.78	48.00	-21.22
1120.00	20.01	48.00	-27.99
4540.00	20.56	48.00	-27.44
24120.00	20.00	48.00	-28.00
***			

Conducted Emission Test Result : (Charging)

Testing room : Temperature : 27° C Humidity : 60 %

Line 1

Frequency (KHz)	*Amplitude (dBuV)*	*Limit (dBuV)*	*Margin (dB)*
524.00	27.09	48.00	-20.91
922.00	26.98	48.00	-21.02
1021.00	25.34	48.00	-22.66
1063.00	32.08	48.00	-15.92
1232.00	30.84	48.00	-17.16
1646.00	22.62	48.00	-25.38
1935.00	34.51	48.00	-13.49
3610.00	24.41	48.00	-23.59
12010.00	31.16	48.00	-16.84
20000.00	30.30	48.00	-17.70

Line 2

Frequency (KHz)	*Amplitude (dBuV)*	*Limit (dBuV)*	*Margin (dB)*
754.00	22.09	48.00	-25.91
769.00	23.79	48.00	-24.21
1021.00	28.39	48.00	-19.61
1120.00	21.34	48.00	-26.66
10290.00	22.77	48.00	-25.23
12010.00	33.80	48.00	-14.20
20000.00	32.07	48.00	-15.93
***			

Appendix B

Radiated Emission Test Result :(Base CH1 - Horizontal)

Test Conditions:

Testing room : Temperature : 24° C Humidity : 62 % RH

Testing site : Temperature : 18° C Humidity : 80 % RH

Frequency	Reading Amplitude	Ant. Height	Table	Correction Factors	Corrected Amplitude	Class B limit	Margin
MHz	dBuV	m	degree	dB/m	dBuV/m	dBuV/m	dB
43.720	76.19	1.00	25	-21.40	54.79	80.00	-25.21
131.160	40.04	3.03	260	-24.58	15.46	43.50	-28.04
152.250	44.85	3.03	233	-23.34	21.51	43.50	-21.99
174.880	48.51	3.03	276	-22.01	26.50	43.50	-17.00
218.610	47.04	1.00	93	-20.29	26.75	46.00	-19.25
228.370	41.80	1.00	60	-19.74	22.06	46.00	-23.94
266.430	43.71	1.00	248	-18.02	25.69	46.00	-20.31
304.490	40.75	1.00	77	-14.80	25.95	46.00	-20.05
306.050	41.74	1.00	246	-14.79	26.95	46.00	-19.05
349.760	43.75	1.00	84	-14.44	29.31	46.00	-16.69
393.490	39.30	1.00	77	-13.33	25.97	46.00	-20.03
***							

Note:

1.Margin = Amplitude - limit, *if margin is minus means under limit.*

2.Corrected Amplitude = Reading Amplitude + Correction Factors

3.Correction factor = Antenna factor + (Cable Loss - Amplitude gain)

(For example : 30MHz correction factor = 15.5 + (-15.26) = 0.24 dB/m)

Radiated Emission Test Result :(Base CH1 - Vertical)

Test Conditions:

Testing room : Temperature : 24° C Humidity : 62 % RH

Testing site : Temperature : 18° C Humidity : 80 % RH

Frequency	Reading Amplitude	Ant. Height	Table	Correction Factors	Corrected Amplitude	Class B limit	Margin
MHz	dBuV	m	degree	dB/m	dBuV/m	dBuV/m	dB
43.720	88.52	1.00	22	-21.40	67.12	80.00	-12.88
131.160	46.99	1.00	320	-24.58	22.41	43.50	-21.09
152.250	45.67	1.00	181	-23.34	22.33	43.50	-21.17
174.880	54.56	3.02	273	-22.01	32.55	43.50	-10.95
218.610	46.72	1.00	54	-20.29	26.43	46.00	-19.57
228.370	40.59	1.00	283	-19.74	20.85	46.00	-25.15
266.430	41.61	1.00	91	-18.02	23.59	46.00	-22.41
304.490	38.81	3.02	195	-14.80	24.01	46.00	-21.99
306.050	39.87	3.03	113	-14.79	25.08	46.00	-20.92
349.760	43.56	1.00	307	-14.44	29.12	46.00	-16.88
393.490	39.49	1.00	26	-13.33	26.16	46.00	-19.84
***							

Note:

4.Margin = Amplitude - limit, *if margin is minus means under limit.*

5.Corrected Amplitude = Reading Amplitude + Correction Factors

6.Correction factor = Antenna factor + (Cable Loss - Amplitude gain)

(For example : 30MHz correction factor = 15.5 + (-15.26) = 0.24 dB/m)

Radiated Emission Test Result :(Base CH25 - Horizontal)

Test Conditions:

Testing room : Temperature : 25° C Humidity : 73 % RH

Testing site : Temperature : 33° C Humidity : 81 % RH

Frequency	Reading Amplitude	Ant. Height	Table	Correction Factors	Corrected Amplitude	Class B limit	Margin
MHz	dBuV	m	degree	dB/m	dBuV/m	dBuV/m	dB
46.970	76.30	1.00	56	-22.41	53.89	80.00	-26.11
104.590	47.57	3.02	302	-24.30	23.27	43.50	-20.23
157.080	46.72	1.00	248	-23.00	23.72	43.50	-19.78
234.860	43.86	1.00	235	-19.43	24.43	46.00	-21.57
235.630	43.17	1.00	252	-19.40	23.77	46.00	-22.23
274.890	44.23	1.00	235	-17.65	26.58	46.00	-19.42
314.160	41.19	1.00	104	-14.74	26.45	46.00	-19.55
328.790	42.61	1.00	227	-14.43	28.18	46.00	-17.82
349.790	35.64	1.00	181	-14.44	21.20	46.00	-24.80
***							

Note:

7.Margin = Amplitude - limit, *if margin is minus means under limit.*

8.Corrected Amplitude = Reading Amplitude + Correction Factors

9.Correction factor = Antenna factor + (Cable Loss - Amplitude gain)

(For example : 30MHz correction factor = 15.5 + (-15.26) = 0.24 dB/m)

Radiated Emission Test Result :(Base CH25 - Vertical)

Test Conditions:

Testing room : Temperature : 25° C Humidity : 73 % RH

Testing site : Temperature : 33° C Humidity : 81 % RH

Frequency	Reading Amplitude	Ant. Height	Table	Correction Factors	Corrected Amplitude	Class B limit	Margin
MHz	dBuV	m	degree	dB/m	dBuV/m	dBuV/m	dB
46.970	92.76	1.00	159	-22.41	70.35	80.00	-9.65
104.590	50.65	3.02	199	-24.30	26.35	43.50	-17.15
157.080	45.98	1.00	179	-23.00	22.98	43.50	-20.52
234.860	42.32	1.00	273	-19.43	22.89	46.00	-23.11
235.630	41.32	1.00	60	-19.40	21.92	46.00	-24.08
274.890	42.07	1.00	228	-17.65	24.42	46.00	-21.58
314.160	38.86	3.02	139	-14.74	24.12	46.00	-21.88
328.790	40.60	3.02	191	-14.43	26.17	46.00	-19.83
349.790	35.28	3.02	60	-14.44	20.84	46.00	-25.16
***							

Note:

10.Margin = Amplitude - limit, *if margin is minus means under limit.*

11.Corrected Amplitude = Reading Amplitude + Correction Factors

12.Correction factor = Antenna factor + (Cable Loss - Amplitude gain)

(For example : 30MHz correction factor = 15.5 + (-15.26) = 0.24 dB/m)

Radiated Emission Test Result :(Handset CH1 - Horizontal)

Test Conditions:

Testing room : Temperature : 27° C Humidity : 73 % RH

Testing site : Temperature : 33° C Humidity : 81 % RH

Frequency	Reading Amplitude	Ant. Height	Table	Correction Factors	Corrected Amplitude	Class B limit	Margin
MHz	dBuV	m	degree	dB/m	dBuV/m	dBuV/m	dB
48.760	76.84	1.00	321	-22.96	53.88	80.00	-26.12
146.280	54.02	1.00	35	-23.93	30.09	43.50	-13.41
182.370	36.64	1.00	254	-21.70	14.94	43.50	-28.56
195.040	52.37	1.00	54	-21.02	31.35	43.50	-12.15
210.030	41.40	1.00	306	-20.63	20.77	43.50	-22.73
214.780	42.33	1.00	218	-20.44	21.89	43.50	-21.61
243.800	47.18	1.00	273	-19.00	28.18	46.00	-17.82
292.560	51.63	1.00	213	-16.20	35.43	46.00	-10.57
341.320	39.58	1.00	263	-14.61	24.97	46.00	-21.03
437.140	43.43	1.00	66	-8.11	35.32	46.00	-10.68
487.600	49.11	1.00	6	-10.39	38.72	46.00	-7.28
***							

Note:

13.Margin = Amplitude - limit, *if margin is minus means under limit.*

14.Corrected Amplitude = Reading Amplitude + Correction Factors

15.Correction factor = Antenna factor + (Cable Loss - Amplitude gain)

(For example : 30MHz correction factor = 15.5 + (-15.26) = 0.24 dB/m)

Radiated Emission Test Result :(Handset CH1 - Vertical)

Test Conditions:

Testing room : Temperature : 27° C Humidity : 73 % RH

Testing site : Temperature : 33° C Humidity : 81 % RH

Frequency	Reading Amplitude	Ant. Height	Table	Correction Factors	Corrected Amplitude	Class B limit	Margin
MHz	dBuV	m	degree	dB/m	dBuV/m	dBuV/m	dB
48.760	96.86	1.00	121	-22.96	74.90	80.00	-5.10
146.280	52.84	1.00	226	-23.93	28.91	43.50	-14.59
182.370	42.26	3.02	268	-21.70	20.56	43.50	-22.94
195.040	42.83	3.02	124	-21.02	21.81	43.50	-21.69
210.030	42.12	1.00	116	-20.63	21.49	43.50	-22.01
214.780	40.49	1.00	99	-20.44	20.05	43.50	-23.45
243.800	44.65	1.00	233	-19.00	25.65	46.00	-20.35
292.560	50.06	1.00	226	-16.20	33.86	46.00	-12.14
341.320	39.80	3.02	105	-14.61	25.19	46.00	-20.81
437.140	37.73	3.02	95	-8.11	29.62	46.00	-16.38
487.600	49.34	3.02	207	-10.39	38.95	46.00	-7.05
***							

Note:

16.Margin = Amplitude - limit, *if margin is minus means under limit.*

17.Corrected Amplitude = Reading Amplitude + Correction Factors

18.Correction factor = Antenna factor + (Cable Loss - Amplitude gain)

(For example : 30MHz correction factor = 15.5 + (-15.26) = 0.24 dB/m)

Radiated Emission Test Result :(Handset CH25 - Horizontal)

Test Conditions:

Testing room : Temperature : 26° C Humidity : 72 % RH

Testing site : Temperature : 33° C Humidity : 81 % RH

Frequency	Reading Amplitude	Ant. Height	Table	Correction Factors	Corrected Amplitude	Class B limit	Margin
MHz	dBuV	m	degree	dB/m	dBuV/m	dBuV/m	dB
49.970	73.44	1.00	54	-23.33	50.11	80.00	-29.89
149.794	48.10	1.00	200	-23.69	24.41	43.50	-19.09
181.394	35.51	3.01	56	-21.76	13.75	43.50	-29.75
199.721	57.54	3.01	116	-20.82	36.37	43.50	-6.78
249.653	46.67	1.00	95	-18.69	27.98	46.00	-18.02
299.578	44.82	1.00	240	-15.96	28.86	46.00	-17.14
349.510	38.23	1.00	263	-14.45	23.78	46.00	-22.22
449.375	37.99	1.00	181	-9.94	28.05	46.00	-17.95
499.303	36.94	1.00	213	-10.03	26.91	46.00	-19.09
***							

Note:

19.Margin = Amplitude - limit, *if margin is minus means under limit.*

20.Corrected Amplitude = Reading Amplitude + Correction Factors

21.Correction factor = Antenna factor + (Cable Loss - Amplitude gain)

(For example : 30MHz correction factor = 15.5 + (-15.26) = 0.24 dB/m)

Radiated Emission Test Result :(Handset CH25 - Vertical)

Test Conditions:

Testing room : Temperature : 26° C Humidity : 72 % RH

Testing site : Temperature : 33° C Humidity : 81 % RH

Frequency	Reading Amplitude	Ant. Height	Table	Correction Factors	Corrected Amplitude	Class B limit	Margin
MHz	dBuV	m	degree	dB/m	dBuV/m	dBuV/m	dB
49.970	93.75	1.00	224	-23.33	70.42	80.00	-9.58
149.794	53.99	1.00	41	-23.69	30.30	43.50	-13.20
181.394	37.70	3.03	189	-21.76	15.94	43.50	-27.56
199.721	59.03	1.00	321	-20.82	38.21	43.50	-5.29
249.653	40.04	3.03	169	-18.69	21.35	46.00	-24.65
299.578	46.94	1.00	1	-15.96	30.98	46.00	-15.02
349.510	50.56	1.00	138	-14.45	36.11	46.00	-9.89
449.375	49.58	1.00	212	-9.94	39.64	46.00	-6.36
499.303	43.96	1.00	288	-10.03	33.93	46.00	-12.07
***							

Note:

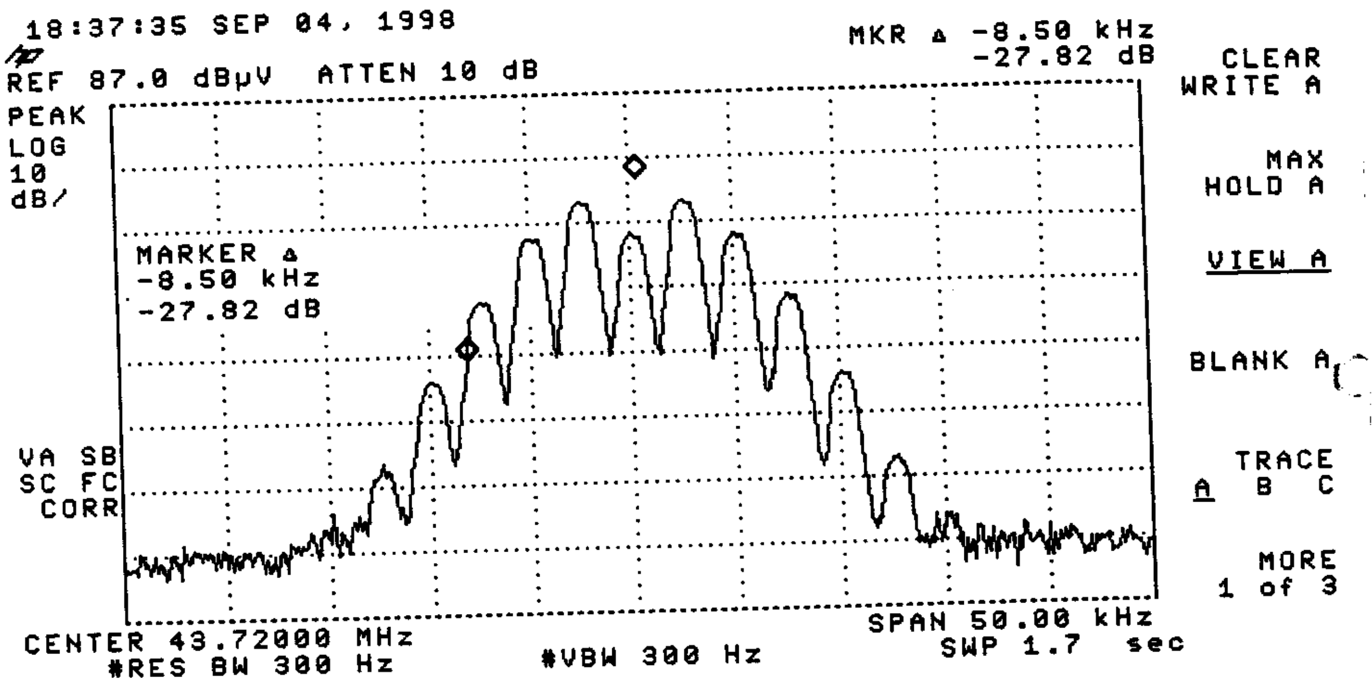
22.Margin = Amplitude - limit, *if margin is minus means under limit.*

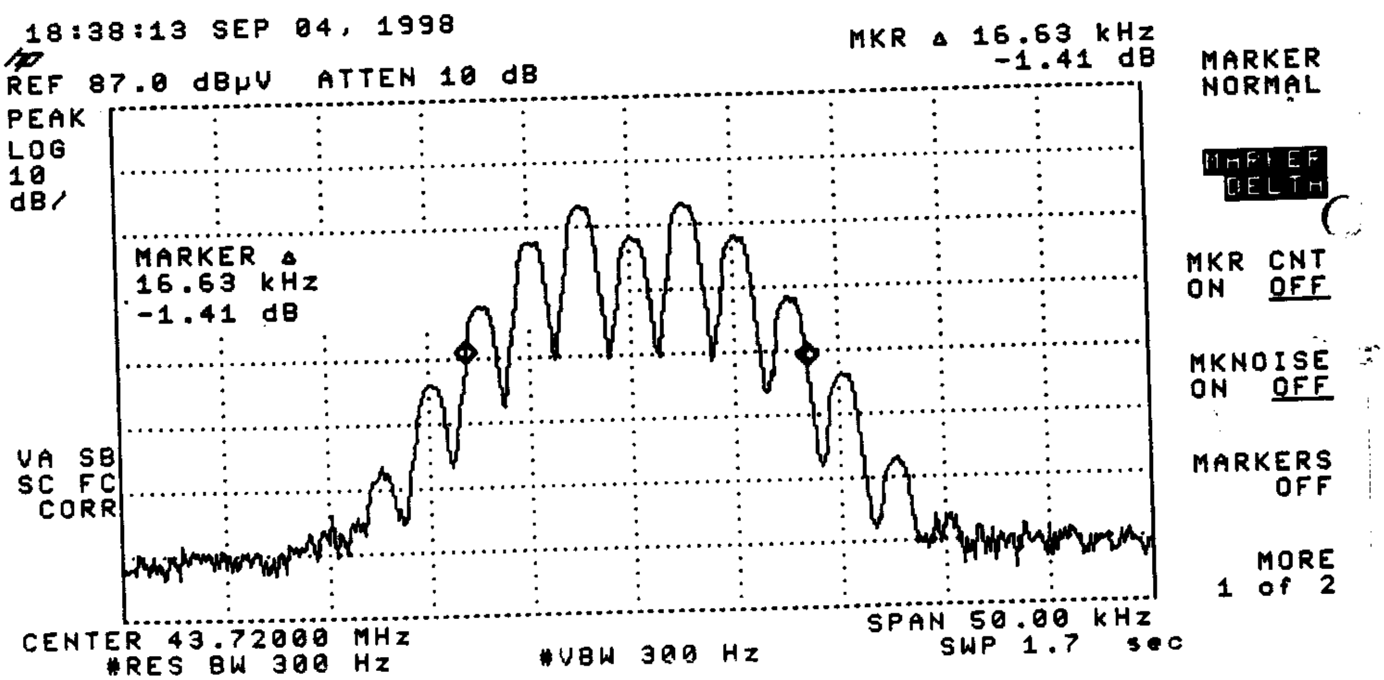
23.Corrected Amplitude = Reading Amplitude + Correction Factors

24.Correction factor = Antenna factor + (Cable Loss - Amplitude gain)

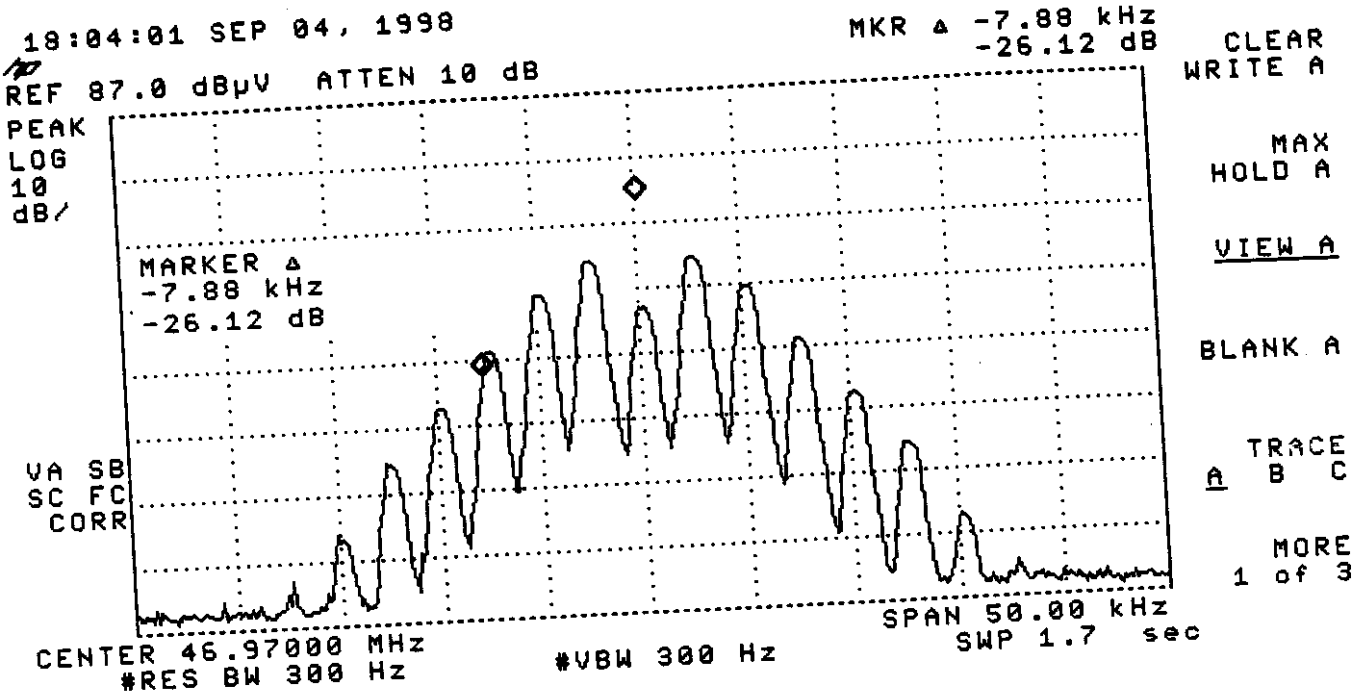
(For example : 30MHz correction factor = 15.5 + (-15.26) = 0.24 dB/m)

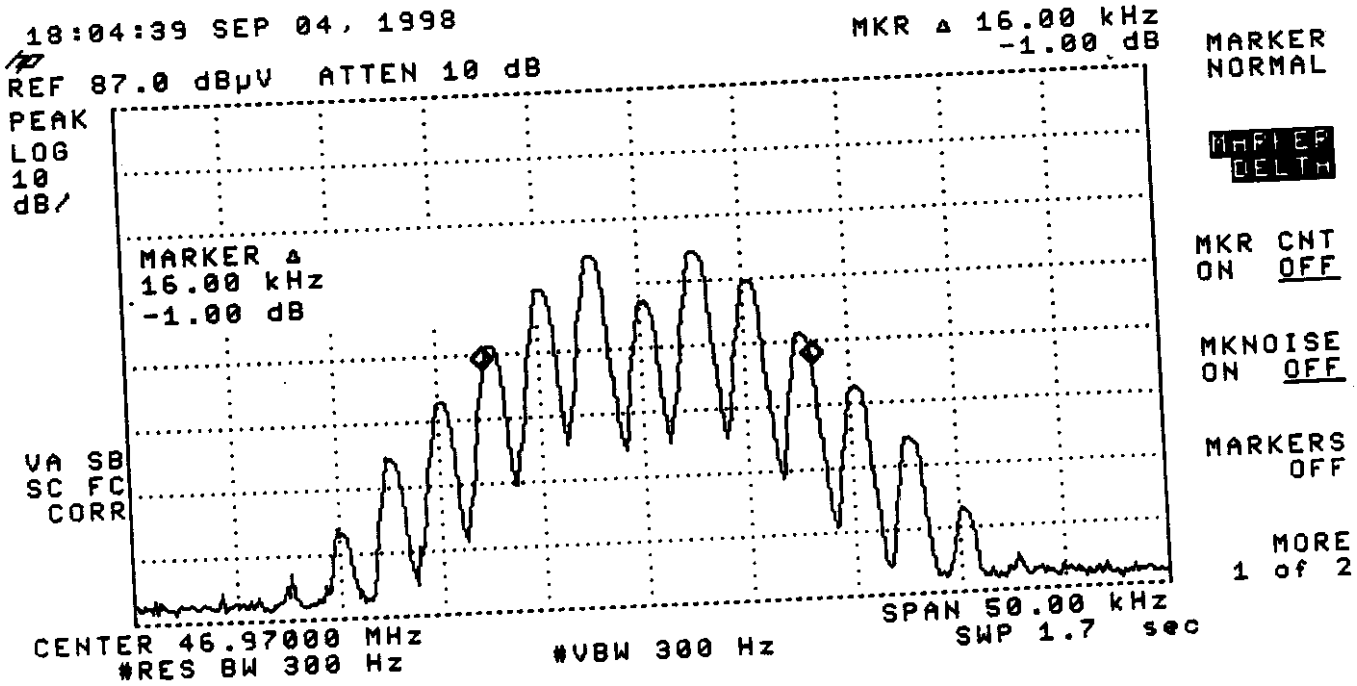
Appendix C
Occupied BW plots
BASE CH01



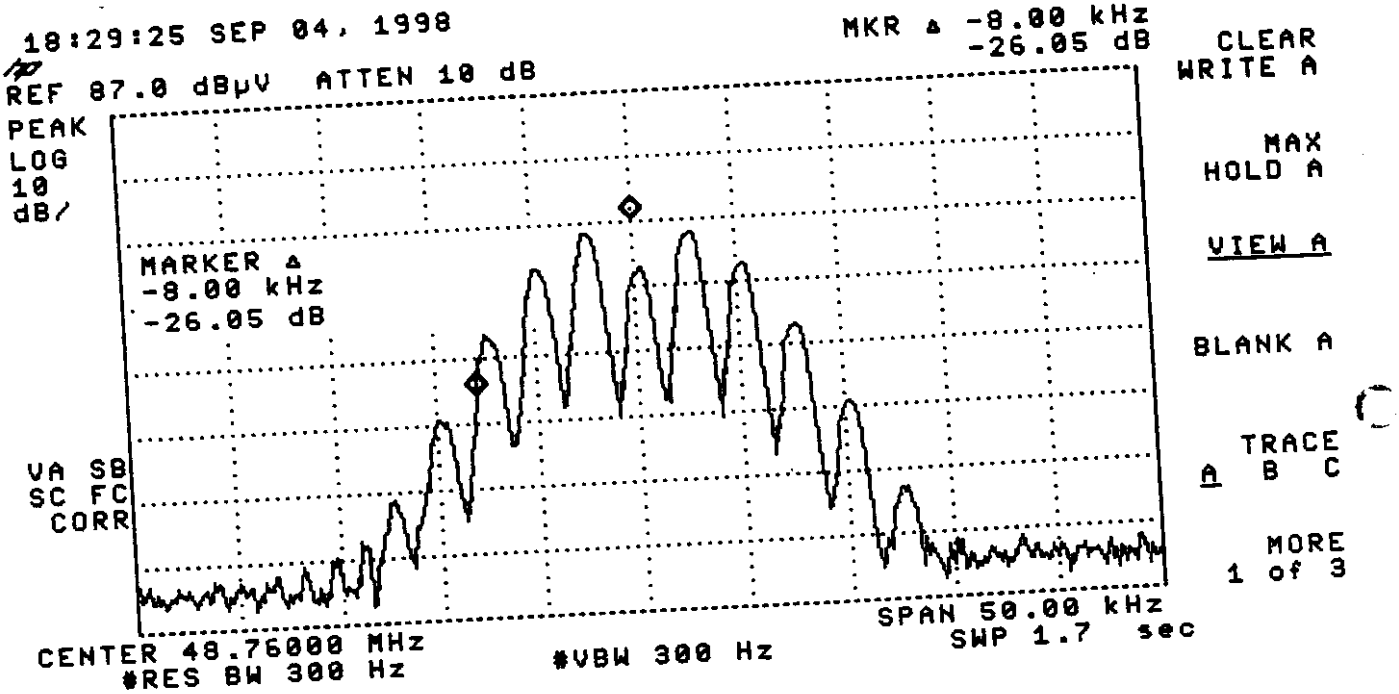


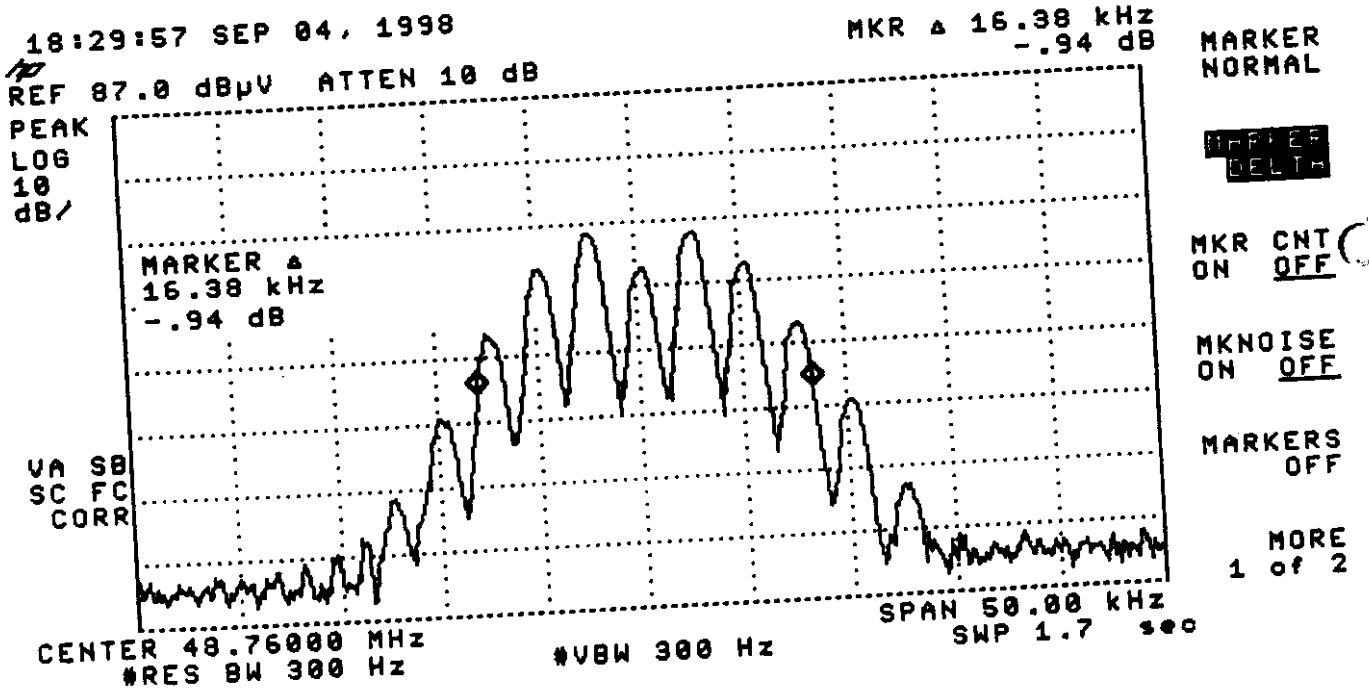
Occupied BW plots
BASE CH25



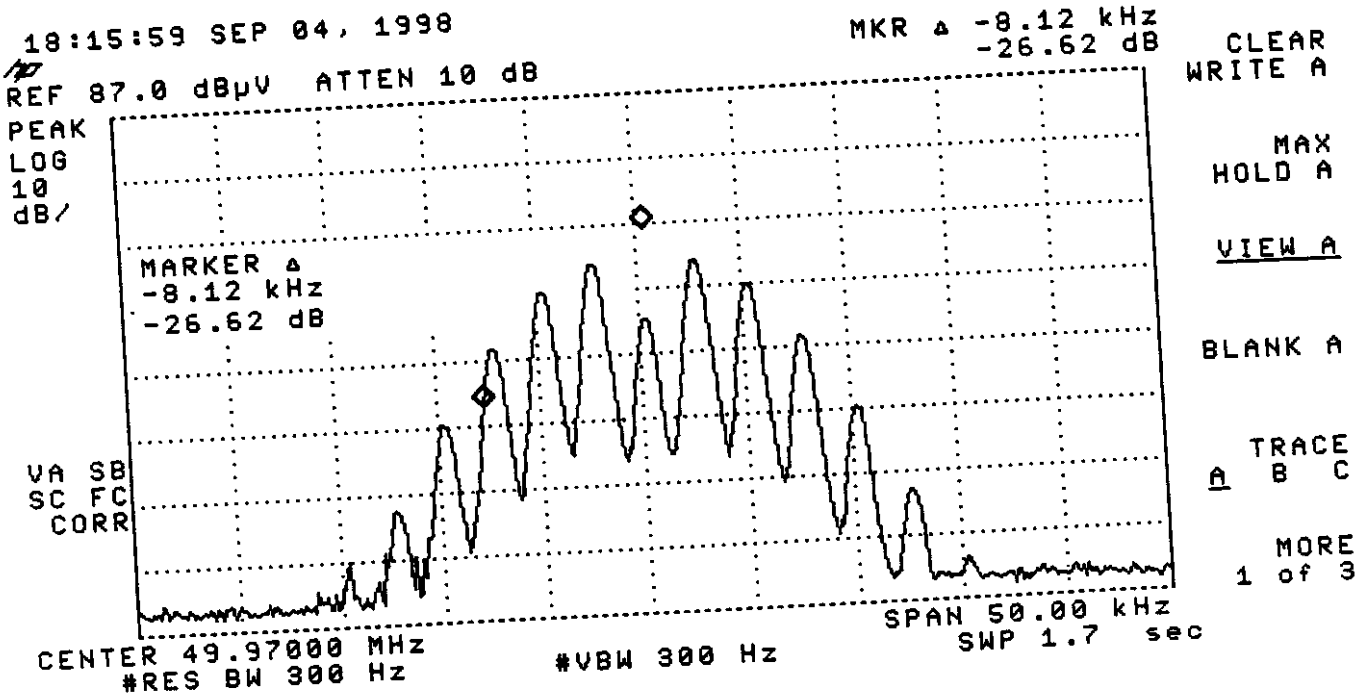


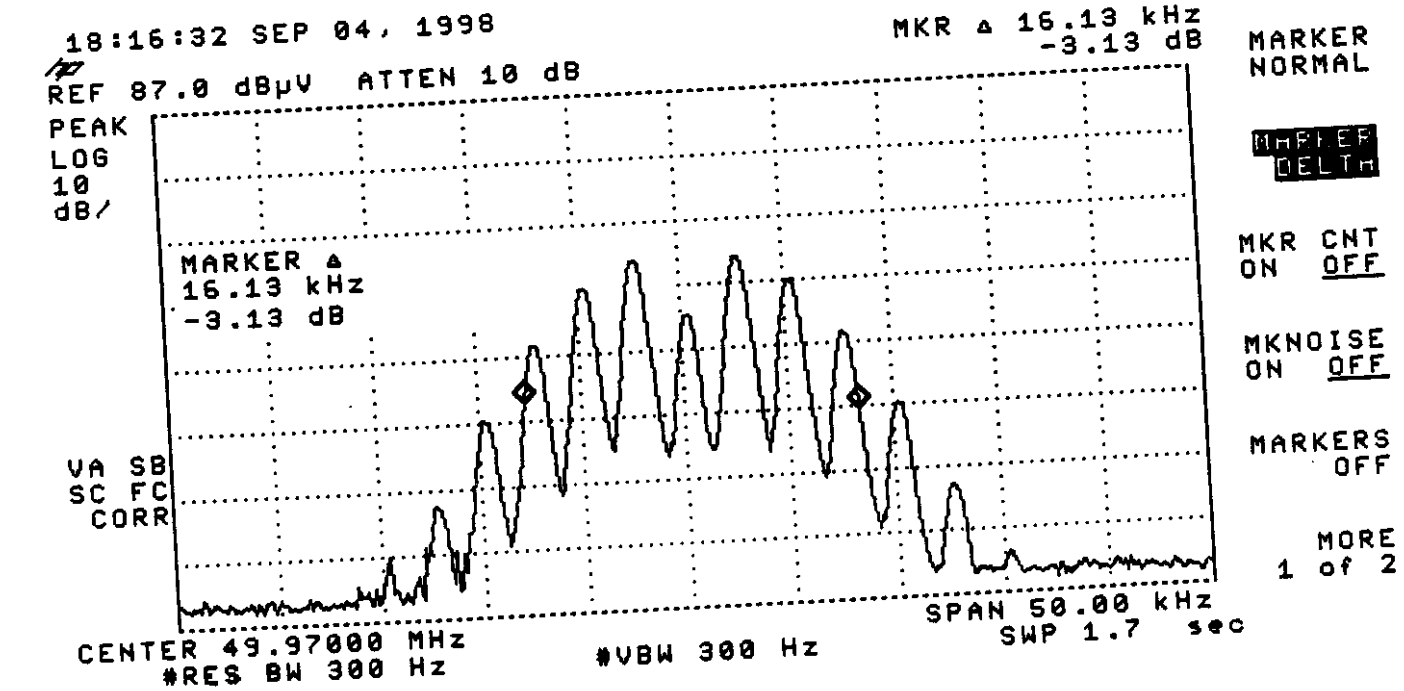
Occupied BW plots
HANDSET CH01





Occupied BW plots
HANDSET CH25





Appendix D

Frequency Stability at Temperature variation (CH 1)

DEVICE TESTED	TEMP. (°C)	TIME (MIN.)	FREQUENCY (MHZ)	TOLERANCE (MHZ)
BASE	-20	2	43.71979	43.71563 ~ 43.72437
BASE	-20	5	43.71969	43.71563 ~ 43.72437
BASE	-20	10	43.71938	43.71563 ~ 43.72437
HS	-20	2	48.75983	48.75513 ~ 48.76487
HS	-20	5	48.75999	48.75513 ~ 48.76487
HS	-20	10	48.75982	48.75513 ~ 48.76487
BASE	25	2	43.72023	43.71563 ~ 43.72437
BASE	25	5	43.72003	43.71563 ~ 43.72437
BASE	25	10	43.72011	43.71563 ~ 43.72437
HS	25	2	48.76017	48.75513 ~ 48.76487
HS	25	5	48.76007	48.75513 ~ 48.76487
HS	25	10	48.76023	48.75513 ~ 48.76487
BASE	50	2	43.72023	43.71563 ~ 43.72437
BASE	50	5	43.72027	43.71563 ~ 43.72437
BASE	50	10	43.72027	43.71563 ~ 43.72437
HS	50	2	48.76015	48.75513 ~ 48.76487
HS	50	5	48.76015	48.75513 ~ 48.76487
HS	50	10	48.76015	48.75513 ~ 48.76487

Frequency Stability at Temperature variation (CH 25)

DEVICE TESTED	TEMP. (°C)	TIME (MIN.)	FREQUENCY (MHZ)	TOLERANCE (MHZ)
BASE	-20	2	46.969746	46.96530 ~ 46.97469
BASE	-20	5	46.969526	46.96530 ~ 46.97469
BASE	-20	10	46.969456	46.96530 ~ 46.97469
HS	-20	2	49.970263	49.96500 ~ 49.97499
HS	-20	5	49.970282	49.96500 ~ 49.97499
HS	-20	10	49.970218	49.96500 ~ 49.97499
BASE	25	2	46.969645	46.96530 ~ 46.97469
BASE	25	5	46.970200	46.96530 ~ 46.97469
BASE	25	10	46.970040	46.96530 ~ 46.97469
HS	25	2	49.970343	49.96500 ~ 49.97499
HS	25	5	49.970150	49.96500 ~ 49.97499
HS	25	10	49.970310	49.96500 ~ 49.97499
BASE	50	2	46.970240	46.96530 ~ 46.97469
BASE	50	5	*	46.96530 ~ 46.97469
BASE	50	10	*	46.96530 ~ 46.97469
HS	50	2	49.970070	49.96500 ~ 49.97499
HS	50	5	*	49.96500 ~ 49.97499
HS	50	10	*	49.96500 ~ 49.97499

** The EUT have not find any frequency.*

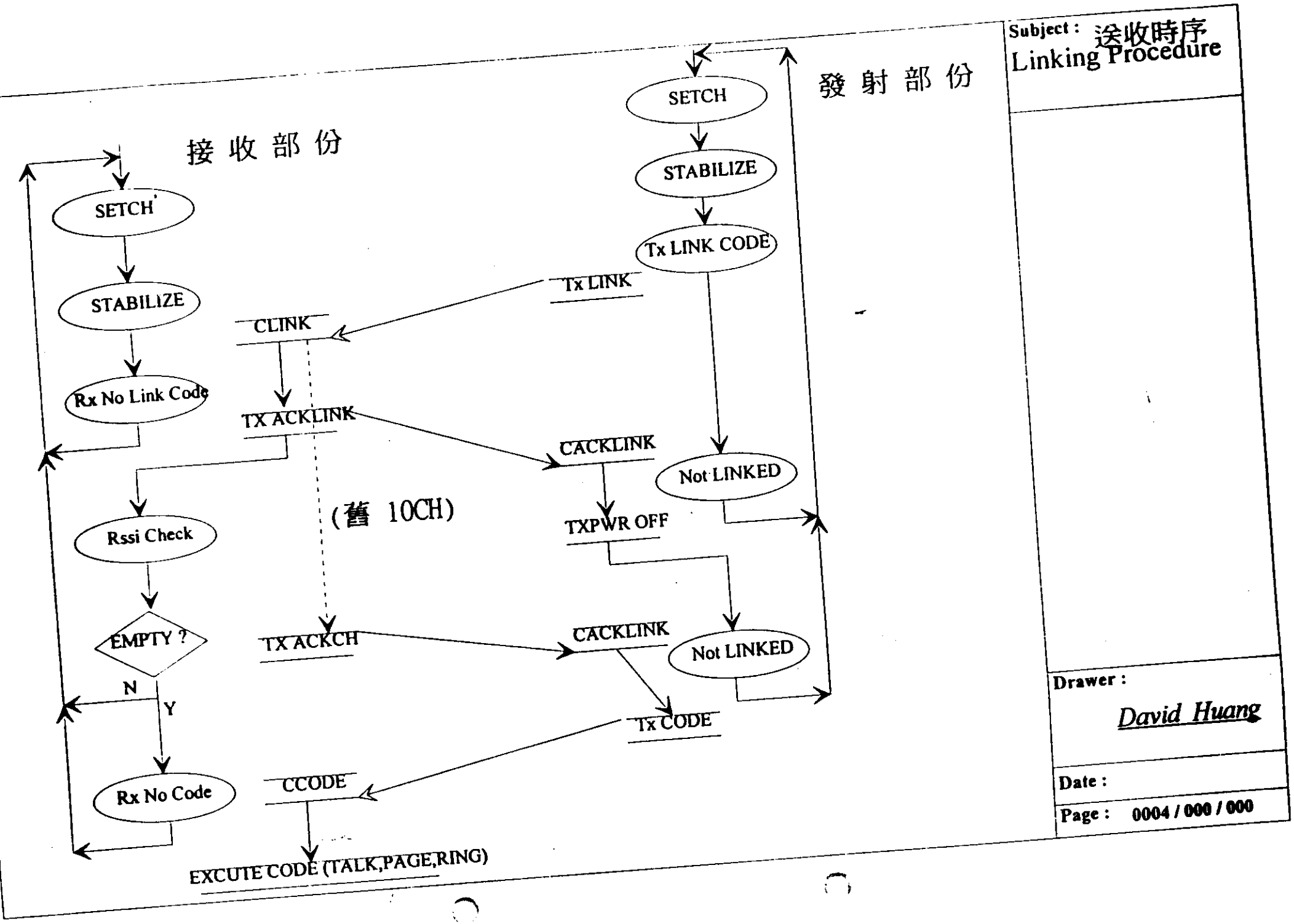
Frequency Stability at Voltage variation (CH 1)

Power Supply	Frequency(MHz)	Tolerance(MHz)
Base 102 AC (85%)	43.71994	43.71462 ~ 43.72437
Base 120 AC (100%)	43.72010	43.71462 ~ 43.72437
Base 138 AC (120%)	43.71998	43.71462 ~ 43.72437
Base END-POINT	51.40 V	
Handset 3.06 DC (85%)	48.760007	48.75512 ~ 48.76487
Handset 3.60 DC (100%)	48.760012	48.75512 ~ 48.76487
Handset 4.14 DC (120%)	48.760081	48.75512 ~ 48.76487
Handset END-POINT	2.95 V	

Frequency Stability at Voltage variation (CH 25)

Power Supply	Frequency(MHz)	Tolerance(MHz)
Base 102 AC (85%)	46.97016	46.96530~46.97469
Base 120 AC (100%)	46.97012	46.96530~46.97469
Base 138 AC (120%)	46.97004	46.96530~46.97469
End-point Voltage	50.0 V	
Handset 3.06 DC (85%)	49.97002	49.96530~49.97469
Handset 3.60 DC (100%)	49.97013	49.96530~49.97469
Handset 4.14 DC (120%)	49.97017	49.96530~49.97469
End-point Voltage	3.0 V	

Follow chart of channel selection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Drawer :
David Huang
Date :
Page : 0004 / 000 / 000