MEASUREMENT CONDITION

1) STANARD VOLTAGE

HANDSET	DC 3.6 V ± 0.1 V
BASE UNIT	AC/DC 120 V ± 3 V 60 Hz
	/9 V ± 1 V 300mA
2) TEMPERATURE:	25 °C ± 2 °C
3) PERFORMANCE REQUIREMENTS	
A) STANDARD VOLTAGE	
REMOTE UNIT	DC 3.5 V TO 4.2 V
BASE UNIT	AC 120 V ± 12 V
B) TEMPERATURE	25 ± 15 °C

4)2.4G RF Freq Table

CHANNEL	BASE		CHANNEL	HANDSET	
	TRANSMIT	RECEIVE		TRANSMIT	RECEIVE
	MHz	MHz		MHz	MHz
1	2403.050	2474.000	1	2474.000	2403.050
2	2403.100	2474.050	2	2474.050	2403.100
3	2403.150	2474.100	3	2474.100	2403.150
4	2403.200	2474.150	4	2474.150	2403.200
5	2403.250	2474.200	5	2474.200	2403.250
6	2403.300	2474.250	6	2474.250	2403.300
7	2403.350	2474.300	7	2474.300	2403.350
8	2403.400	2474.350	8	2474.350	2403.400
9	2403.450	2474.400	9	2474.400	2403.450
10	2403.500	2474.450	10	2474.450	2403.500
11	2403.550	2474.500	11	2474.500	2403.550
12	2403.600	2474.550	12	2474.550	2403.600
13	2403.650	2474.600	13	2474.600	2403.650
14	2403.700	2474.650	14	2474.650	2403.700
15	2403.750	2474.700	15	2474.700	2403.750
16	2403.800	2474.750	16	2474.750	2403.800
17	2403.850	2474.800	17	2474.800	2403.850
18	2403.900	2474.850	18	2474.850	2403.900
19	2403.950	2474.900	19	2474.900	2403.950
20	2404.000	2474.950	20	2474.950	2404.000
21	2404.050	2475.000	21	2475.000	2404.050
22	2404.100	2475.050	22	2475.050	2404.100
23	2404.150	2475.100	23	2475.100	2404.150
24	2404.200	2475.150	24	2475.150	2404.200
25	2404.250	2475.200	25	2475.200	2404.250
26	2404.300	2475.250	26	2475.250	2404.300
27	2404.350	2475.300	27	2475.300	2404.350
28	2404.400	2475.350	28	2475.350	2404.400
29	2404.450	2475.400	29	2475.400	2404.450
30	2404.500	2475.450	30	2475.450	2404.500
31	2404.550	2475.500	31	2475.500	2404.550
32	2404.600	2475.550	32	2475.550	2404.600
33	2404.650	2475.600	33	2475.600	2404.650
34	2404.700	2475.650	34	2475.650	2404.700
35	2404.750	2475.700	35	2475.700	2404.750
36	2404.800	2475.750	36	2475.750	2404.800
37	2404.850	2475.800	37	2475.800	2404.850
38	2404.900	2475.850	38	2475.850	2404.900
39	2404.950	2475.900	39	2475.900	2404.950
40	2405.000	2475.950	40	2475.950	2405.000

HANDSET

1) TRANSMITTER:

DESCRIPTION		NOMINAL	LIMITS	UNITS
TX POWER	3.8V power supply	0	±3	dBm
	between Channel	±2	±3	dB
	voltage from 3.4V to 4.2V	±2	±3	dB
FREQUENCE TOLERANCE		±4	±8	PPm
TX Code DEV		10	±1	kHz
TX Audio DEV (I/P 1kHz 18mV)		5	±0.2	kHz
TX Audio DEV variation of difference between channel		±0.2	±0.3	kHz
Max TX Audio DEV (I/P 2.5kHz 180mV)		8	10	kHz
Tx modulation Distortion		=3	=5	%

2) RECEIVER:

DESCRIPTION	NOMINAL	LIMITS	UNITS
12dB SINAD SENSITIVITY	<-106	<-106	dBm
Audio O/P Distortion	=3	=5	%
Audio O/P Level (5kHz DEV)	65	±10	mV
Audio O/P S/N Ratio	>55	>50	dB

3) POWER CONSUMPTION

DESCRIPTION		NOMINAL	LIMITS	UNITS
ST-BY MODE CURRENT	AVERAGE	< 5	< 5	mA
TALK MODE CURRENT	MID-Volume	120	130	mA

4) LOW BATTERY DETECT VOLTAGE

DESCRIPTION	NOMINAL	LIMITS	UNITS
ALARM VOLTAGE (TALK MODE)	3.3	3.1-3.5	V
NOT ALARM VOLTAGE	3.6	3.45-3.65	V

BASE UNIT

1) TRANSMITTER:

DESCRIPTION	NOMINAL	LIMITS	UNITS
TX POWER	0	±3	dBm
FREQUENCE TOLERANCE	±4	±8	PPm
TX Code DEV	10	±1	kHz
TX Audio DEV (I/P 1kHz 300mV)	5	±0.2	kHz
TX Audio DEV variation of difference between channel	±0.2	±0.3	kHz
Max TX Audio DEV (I/P 2.5kHz 3V)	8	10	kHz
Tx modulation Distortion	=3	=5	%

2) RECEIVER:

DESCRIPTION	NOMINAL	LIMITS	UNITS
12dB SINAD SENSITIVITY	<-108	<-108	dBm
Audio O/P Distortion	=3	=5	%
Audio O/P Level (5kHz DEV)	450	±10	mV
Audio O/P S/N Ratio	>50	>50	dB

3) POWER CONSUMPTION:

DESCRIPTION	NOMINAL	LIMITS	UNITS
ACTIVE CURRENT (DC JACK)	120	+/-10	mA

4) TELEPHONE LINE (PULSE)

DESCRIPTION	NOMINAL	LIMITS	UNITS
MAKE RAITO (at 20mA/80mA)	40	38~42	%
DIAL PULSE RATE (at 20mA/80mA)	10	±1	PPS
TIME BEAK FLASH (at 20mA/80mA)	600	±50	mS

5) TELEPHONE LINE (DTMF):

DESCRIPTION	NOMINAL	LIMITS	UNITS
HIGH GROUP (at 20mA/80mA)	-5	±2	dBm
LOW GROUP (at 20mA/80mA)	-7	±2	dBm
H/L GROUP LEVEL TWIST	2	±2	dB
FREQUENCY TOLERANCE	=1	=1.5	%

6) CID CW

DESCRIPTION		NOMINAL	LIMITS	UNITS
FREQUENCY VARIATION	Mark	1200	±12	Hz
	Space	2200	±22	Hz
BAUD RATE		1200	±12	BPS
FSK DETECTOR SENSITIVITY	Mark	-12 ~ -38		dBm
	Space	-12 ~ -39		dBm
NOISE IMMINITY	Noise below 200Hz and 3	-20		dB
	Noise between 200Hz and	-25		dB
CAS DETECTOR		PASS		
OFF-HOOK FSK RECEPTION		PASS		

7) MEMORY AND REDIAL:

DESCRIPTION	NOMINAL	LIMITS	UNITS
DIGIT OF REDIAL	32		DIGIT
DIGIT OF MEMORY	16		DIGIT
MEMORY NUMBER	40		Location

8) RINGER I/P (Ringer patter 2 second ON and 4 second off)

DESCRIPTION		NOMINAL	LIMITS	UNITS
a) RINGER DETECTOR LEVEL		30	30 to 35	Vr.m.s
b) NOT RINGER LEVEL		25 ~ 30	20 ~ 30	Vr.m.s
c) RINGER FREQUENCY		15 to 75	15 to 75	Hz
d) RINGER OUTPUT LEVEL (1 foot)	H	80dBA	>70dBA	dBA
	L	65dBA	>60dBA	dBA
e)		2 SECOND ON AND 4 SECOND OFF		

9) OTHER:

DESCRIPTION	NOMINAL	LIMITS	UNITS
SAFE IMMUNITY (1700V DC 0.5mA 1 Second)	PASSED		
ACOUSTIC EST TOLR : 0 kft (at Normal Volume)	=-40	=-53	dB
ACOUSTIC EST ROLR : 0 kft (at Normal Volume)	=41	=51	dB
ACOUSTIC EST SOLR : 0 kft (at Normal Volume)	= 3	=99.9	dB
TRANSMITT FREQUENCY RESPONSE	PASSED		
RECEIVE FREQUENCY RESPONSE	PASSED		

NOTE: Volume High Low Difference =12dB