

PRODUCTION SPECIFICATION

MODEL:SZ6309D

ISSUED NO.: 01

ISSUED BY :

APPROVED BY:

MEASUREMENT CONDITION:

1. Standard Voltage:

Handset unit DC 3.8 V +/- 0.1 V

Base unit AC 110 V +/- 10% V

DC 9V 300 mA

2. Temperature: 25 °C +/- 5 °C

3. Standard Modulation on SSG:

Modulation Frequency 1.0 KHz

Modulation Deviation (2404.00MHz) 6.0 KHz

Modulation Deviation (2474.950Mhz) 6.0 KHz

4. Bell Signal Frequency: 25 Hz (70 VR.M. S.)

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5. Channels:

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

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HANDSET

1) TRANSMISSION:

DESCRIPTION	Units	Nominal	Limit	Remark
A) Carrier Power (50Ω Load)	dBm	0	≤ 5	IN CH20
B) TX Frequency	MHz	2475.950	±600Hz	
C) Mic Deviation at 15mVrms I/P (CH20)	KHz	6	±0.3	Filter is 15K
D) Max Deviation (I/P 150mv) (CH20)	KHz	14	<17	Filter is 15K
E) Data Deviation at (Test mode) (CH20)	KHz	12	10 ~ 17	Filter is 15K
F) Deviation Difference (CH1~CH40)	KHz	0.2	<0.5	Filter is 15K
F) Non signer Deviation (CH1~CH40)	KHz	0.5	<0.8	Filter is 15K
G) Carrier Power Difference (CH1~CH40)	dB	0.2	<0.5	

2) RECEIVER:

DESCRIPTION	Units	Nominal	Limit	Remark
A) 12dB SINAD Sensitivity (SSG 1.0KHz, DEV 5KHz)	dBm	-110	≤-105	
B) Data Sensitivity(SSG 99dBuVemf)	KHz	1	0.5~1.5	
C) S/N Ratio at Speaker Output (SSG 0.0dBm)	dB	55	>50	
D) Distortion (SSG. output 99 dBuVemf)	%	1	≤3.0	
E) Adjacent Channel Selectivity	dB	50	>42	
F) Sensitivity difference (CH1~CH40)	dB	0	<3	
G) Speaker O/P level (5KHz Dev)	mVrms	150	± 20	
H) Noise Squelch (Test Mode) (DC level change from low to high)	dB	12dB SINAD LEVEL	+4/-6	

3) TX AND RX VCO LEVEL:

DESCRIPTION	Units	Nominal	Limit	Remark
A) TX and RX VCO Level	V	1.5	± 0.1	

4) POWER CONSUMPTION:

DESCRIPTION	Units	Nominal	Limit	Remark
A) TALK mode Current (50 Ohm Load) 3.8V POWER	mA	80	≤88	
B) STAND-BY mode Low 3.8V POWER Current Hi AVG	mA	1.5 20 2.5	<2 <30 < 3.5	
C) Battery Low	V	3.3	± 0.15	

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BASE UNITS

1) TRANSMISSION:

DESCRIPTION	Units	Nominal	Limit	Remark
A) Carrier Power CH20	dBm	0	≤5	
B) Transmit Frequency	MHz	2404.000	± 600Hz	
C) Nominal Deviation (-15dBm, 1KHz) (CH20)	KHz	6	± 0.3	Filter is 15K
D) Max Deviation (+5dBm, 1KHz) (CH20)	KHz	14	≤ 17	Filter is 15K
E) Data Deviation	KHz	12	10 ~ 17	Filter is 15K
F) Carrier Power Difference (CH1~CH40)	dB	0.2	< 0.5	Filter is 15K
G) Non signer Deviation (CH1~CH40)	KHz	0.5	< 0.8	Filter is 15K
H) Deviation Different (CH1~CH40)	KHz	0.1	< 0.3	

2) RECEIVER:

DESCRIPTION	Units	Nominal	Limit	Remark
A) Sensitivity at 12 SINAD	dBm	-110	≤ -105	
B) Data Sensitivity	khz	1	0.5~1.5	
C) eLe Line Output (600 Ohm, 6.0KHz Dev)	mVrms	550	±50	
D) Distortion (SSG 0.0dBm)	%	1.0	≤ 4.0	
E) S/N Ratio (SSG 0.0dBm)	dB	50	> 45	
F) Adjacent Channel Selectivity	dB	50	> 42	
G) Sensitivity Difference (CH1~CH15)	dB	0	≤ 3	
H) Noise Squelch (Test Mode) (DC level change from low to high)	dB		+4/-6	12dB SINAD LEVEL

3) POWER CONSUMPTION:

DESCRIPTION	Units	Nominal	Limit	Remark
A) TALK mode (DC 9V)	mA	80	<100	
B) Stand-By mode (DC 9V)	mA	40	<50	
C) Charge Current to 3.6v Battery	mA	50	± 6	

4) TX AND RX VCO LEVEL:

DESCRIPTION	Units	Nominal	Limit	Remark
A) TX and RX VCO Level	V	2.0	± 0.1	

5) RINGER STATE:

DESCRIPTION	Units	Nominal	Limit	Remark
A) Ringer Current	mA	1	<1.5	
B) Ringer Sensitivity	Vrms	28	<30	

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6) TELEPHONE SIGNAL(DTMF/TONE/PULSE):

DESCRIPTION	Units	Nominal	Limit	Remark
A) DTMF Frequency Error	%	1	± 1.3	
D. Signal Power LOW Group	dBm	-7	± 2	
HIGH Group	dBm	-5	± 2	
C) Pre-Emphasis (Twist)	dB	2.0	1.3~2.7	
D) Pulse M/B ratio	%	40	38 ~ 42	
E) Pusle rate	PPS	10	± 0.5	

7) FLASH TIME:

DESCRIPTION	Units	Nominal	Limit	Remark
A) Flash time	mS	600	± 50	

8) OTHER-TELEPHONE LINE:

DESCRIPTION	Units	Nominal	Limit	Remark
A) Leakage Current (50V)	uA	0	<3	
B) DC Characteristic 8.5V	mA	80	>60	
6.5V		40	>36	

9) OTHER-FUNCTIONS:

DESCRIPTION	Units	Nominal	Limit	Remark
A) Security Code		--	Confirm	
B) Clear Down		--	Confirm	
C) Acoustic Line (Ω) SLR	dB	-45	-43 ~ -47	Vol. LO REFERENCE
0Kft RLR		45	42 ~ 47	
STMR		10	> 6	
9Kft SLR	dB	-43	-38 ~ -46	R&D SAMPLE
RLR		48	46 ~ 50	
STMR		10	> 6	
15Kft SLR	dB	-39	-37 ~ -41	
RLR		52	50 ~ 53.5	
STMR		10	> 6	
D) Receive Volume Difference	dB	13	12 ~ 14	
E) Receive & sending Distortion	%	2	≤4.5	
F) Return loss	dB	16	≥12	
G) Earphone Receive Volume Difference	dB	9	8 ~ 12	32Ω load
H) Earphone Receive Volume level	dB	41	± 2	

10) SAFETY

DESCRIPTION	Units	Nominal	Limit	Remark
A) Electrical & Insulation Strength AC Test Voltage 1.0 mA 3 Second	KV	1.2	No Breakdown	