

## 41XT FUNCTION REPORT

DC Voltages and Current into Final Amplifier.

FINAL AMPLIFIER ONLY

9 V BATTERY  
 Vcc= 4.95Volts  
 Icc= 13.1mA

AZDEN CORPORATION  
 FCC ID: BZB41XT  
 EXHIBIT #: 5A

Function of each electron tube or semiconductor  
 device or other active circuit device.

<u>DESIGNATION</u>	<u>TYPE NO.</u>	<u>IC DIBBE etc.</u>	<u>FUNCTION</u>
IC1	MB15E03L	IC	PLL FREQUENCY SYNTHESIZER LSI
IC201	uPC4570G	IC(Op. Amp)	MIC AF AMP
IC202	TK10690M	IC	COMPRESSOR
IC203	NJM2100M	IC(Op. Amp)	Low Pass Filter(For Audio)/(For Tone)
IC204	TC7S66FL	IC	ANALOG SWITCH(For Tone)
IC205	TC7SL04FL	IC	INVERTER(For Tone)
IC206	NJM2903M	IC	AF PEAK INDICATOR
IC207	NJL7201L50	IC	VOLTAGE REGULATOR
IC208	BR93LC56AF	IC	EEPROM
IC209	PIC16C62A	IC	CONTROL CPU
Q2	DTA143ZU	TRANSISTOR	VCD CONTROL
Q3	DTA143ZU	TRANSISTOR	TX CONTROL
Q4	2SC4227	TRANSISTOR	MULTIPLIER
Q5	2SC4227	TRANSISTOR	RF POWER AMP
Q101	2SK508L	TRANSISTOR	OSC and MODULATION
Q102	2SC4227	TRANSISTOR	Buffer Amplifier
Q201	DTC111FL	TRANSISTOR	AF MUTE
Q202	DTA143ZU	TRANSISTOR	AF MUTE
Q203	2SB956S	TRANSISTOR	POWER SWITCH
Q204	2SD1819R	TRANSISTOR	POWER SWITCH
Q205	2SC4116BL	TRANSISTOR	LED INDICATOR
Q206	DTA143ZU	TRANSISTOR	LED INDICATOR
Q207	DTA143ZU	TRANSISTOR	LED INDICATOR
Q208	DTC363EK	TRANSISTOR	CPU RESET

<u>DESIGNATION</u>	<u>TYPE NO.</u>	<u>IC, DIODE etc.</u>	<u>FUNCTION</u>
D1	MA111	DIODE	Low Pass Filter(For PLL)
D2	MA111	DIODE	Reverse blocking
D101	1SV229	DIODE	MODULATION
D102	1SV229	DIODE	MODULATION
D202	MA111	DIODE	Reverse blocking
D203	MA111	DIODE	POWER SWITCH
D205	MA111	DIODE	CPU RESET
LED201	SEL2110S	LED	AF PEAK INDICATOR
LED204	SPR-39MVWF	LED	BATTERY INDICATOR

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