

## 8. SEMICONDUCTORS AND FUNCTIONS

### 1) TRANSISTOR

KACE ELECTRONICS  
FCC ID: MUDKF-46B  
EXHIBIT #: 5A



RFF NO	TYPE	MANUFATURER	FUNCTION
Q250	2SC5084	TOSHIBA	RX RF AMP.
Q2	2SC5084	TOSHIBA	1 <sup>ST</sup> MIXER.
Q3	KTC3880S	K.E.C	1 <sup>ST</sup> IF AMP.
Q101	BLT70	PHILIPS	TX POWER FINAL AMP.
Q102	MMBR951	MOTOLOLA	TX POWER DRIVER AMP.
Q105	2SC5084	TOSHIBA	TX PRE AMP.
Q106	2SC5084	TOSHIBA	RX BUFFER.
Q201	2SC5084	TOSHIBA	BUFFER
Q202	2SC5084	TOSHIBA	VCO O.S.C
Q203	KRC104S	K.E.C	RX/TX VCO SWITCHING
Q302	KTC3875	K.E.C	LOW BATT
Q304	KRA101S	K.E.C	PTT
Q305	KRA105S	K.E.C	CALL
Q306	KRC101S	K.E.C	CALL
Q303	KTC3875	K.E.C	LOW BATT
Q401	KTA1504	K.E.C	RX SQ MUTE
Q402	KRC104S	K.E.C	RX SQ MUTE
Q403	KTA1504	K.E.C	AUDIO B+ SWITCHING
Q501	KRC105S	K.E.C	RX B+ SWITCHING
Q502	KRC105S	K.E.C	TX B+ SWITCHING
Q504	KRC101S	K.E.C	RX / TX SWITCHING

## 2) INTERGRATED CIRCUIT

KACE ELECTRONICS  
FCC ID: MUDKF-46B  
EXHIBIT #: SB

RFF NO	TYPE	MANUFATURE	FUNCTION
IC101	MC3361CD	MOTOROLA	2'ND MIXER, IF AMP, AND FM DETECTOR
IC102	TB31202FN	TOSHIBA	PLL FREQUENCY SYNTHESIZER
IC301	MC4558C	S.G.S	PRE-EMPHASIS AND MIC AMP, LIMITTER.
IC302	TK1228	TOKO	REGULATOR
IC402	KIA6278F	K.E.C	AUDIO POWER AMP.
IC501	TMP87C40M	TOSHIBA	C. P. U. (MICRO PROCESSOR)
IC502	74HC4543	S.G.S	LED DRIVER