

APPENDIX 3

FUNCTION OF DEVICES
FR-465+

FUNCTION OF DEVICES FOLLOWS THIS SHEET

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FCC ID: MGPFR-465P1

APPENDIX 3

1. THEORY OF OPERATION

1. SEMICONDUCTORS AND FUNCTION

1.1 IC COMPLEMENT

REF.NO	TYPE	MANUFACTURER	FUNCTION
IC803	TK11245AM	TOKO	IC-REGULATOR
IC801	TMP87CH21DF	THOSHIBA	CPU IC
IC802	24LC16B	PRO-CHIPS	EEPROM
IC807	NJM2904V	JRC	BUFFER
IC806	NJM2902V	JRC	MIC AMP
IC103	LV2105V	SANYO	PLL IC
IC102	NJM2073M	JRC	AUDIO POWER AMP
IC805	FX465DF	MX-COM	CTCSS ENCODER
IC101	TA31136FN	TOSHIBA	IC-IF
IC104	YK11245AM	TOKO	IC-REGULATOR

1.2 TRANSISTOR COMPLEMENT

REF.NO	TYPE	MANUFACTURER	FUNCTION
Q101	BLT50	PHILLIPS	FINNAL AMP
Q102	MMBR951LT1	MOTOROLA	DRIVER AMP
Q103	MMBR951LT1	MOTOROLA	PREDRIVER AMP
Q104	KTC3875S	NEC	APC AMP
Q105	KTC3875S	NEC	APC AMP
Q106	KTC3875S	KEC	APC AMP
Q109	2SC3356(R24)	MOTOROLA	1'ST MIXER
Q108	2SC3356(R24)	MOTOROLA	RX AMP
Q302	MMBR951LT1	MOTOROLA	VCO BUFFER
Q301	KTC3875	KEC	VCO PWER S/W
Q304	2SC3356(R24)	NEC	VCO OSC
Q113	KRA225S	KEC	RX MUTE SWITCH
Q117,8	KRA110S	KEC	RX POWER S/W
Q115	KRA110S	KEC	POWER SAVE S/W
Q114	KRC104S	KEC	AF MUTE
Q801	KTC3875	KEC	LAMP S/W
Q804	KRA110S	KEC	FUNCTION S/W
Q806	KRC104S	NEC	SIGNAL MUTE
Q805	KRC104S	KEC	RESET S/W
Q111	KTA1504S	KEC	RX MUTE S/W
Q121	KRC110S	KEC	LOCK DETECTOR
Q305	KRC104S	KEC	VCO RX/TX S/W
Q112	MMBC1321	MOTOROLA	1'ST IF AMP
Q303	MMBR951	MOTOROLA	VCO P/S AMP
Q107	KRA225S	KEC	TX POWER S/W