

APPENDIX J
: OPERATIONAL DESCRIPTION

Operational Description

- The EUT is FM Transmitter that can transmit Audio signal of AV Equipment (DVD or TV receiver, MP3, PDA, CDP, etc) to the FM Radio receiver in a car.

🔊 TX Frequency Range : 88.1/88.3/88.5MHz

🔊 Frequency Step : 200 kHz

- Device Description

Block	Circuit No.	Name	Description
Transmitter IC	U1	BH 1417F	FM Stereo Transmit IC
RF Out	C16	Capacitor	100pF
	L 5	Inductor	470 nH
VCO and Mixer	Q 1	Transistor	KTC3882
	CE2	Electrolysis Cap	4.7uF/16V
	VD1	Diode Capacitor	KDV1472V
	C11	Capacitor	33pF
	C15	Capacitor	56pF
	L3	Inductor	120nH
Power IC	U2	DC Convertor IC	ELM9333C
	U3	Regulator IC	78L05F
X-Tal OSC Circuit	X1	X - tal	7.6MHz
	C17	Capacitor	27pF
	C18	Capacitor	27pF