

APPENDIX J

: Operational Description

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- The EUT is FM Transmitter that can transmit audio signal of AV Equipment (DVD or TV receiver) to the FM Radio receiver in a car.

- TX Frequency Range: 88.3MHz – 90.1MHz
- Frequency Step: 200 kHz

- Device description

Block	Circuit No.	Name	Description
Transmitter IC	IC 701	BH1415F	FM Stereo Transmit
RF Oscillator	D 701	KV1471E	Variable Capacitance Diode
	C 724	Capacitor	120pF
	C 717		27pF
	C 716		27pF
	R 708	Resistor	18ohm
	L 701	Reactor	47x
RF Output (Level Adjust)	C 718	Capacitpr	102pF
	R 707	Resistor	220ohm
	R 708		56ohm
	R 710		220ohm
PLL Circuit (VCC)	Q 201	Transistor	
	C 720	Electrolysis Cap.	33uF
	C 713	Capacitor	473pF
	R 714	Resistor	2.2kohm
	R 713		100ohm
X-Tal OSC circuit	X 701	X-tal	7.6MHz
	C 703	Capacitor	27pF
	C 704		27pF

□ Schematic around FM Transmitter Block

