

APPENDIX B
: OPERATIONAL DESCRIPTION

Operational Description

- The EUT is RF Transmitter built in AV Junction Controller that transmits the Audio signal of the Car Audio and Video equipments to the Wireless Headphone Receiver.
- The Audio signal from the Car A/V equipments (Car TV, Car DVD...) change to FM signal via U201 and U301 and modulated by VCO circuit Q202 and Q302. The modulated FM signal is amplified by Q201 and Q301 and then, transmit the signal through the antenna.
- ✓ Transmit Frequency : 416MHz, 418MHz (2CH)
- ✓ Modulation Type : FM
- ✓ Power supply : 12Vdc from the Car battery

■ MAIN COMPONENT LIST

Block	Circuit No	Name	Description
GROUND IC	U202,U302	BA3121N	Ground isolation IC
VCO & BUFFER	Q202,Q302	STC917	Oscillator
RF AMP	Q201,Q301	STC917	RF power amplifier
X-TAL	X201,X301	X-TAL	38KHz
VARIABLE CAP	VD201,VD301	1SV217	Variable capacitance diode

■ CIRCUIT DIAGRAM of RF AMP. and Output Part

