

APPENDIX 3
SEMICONDUCTOR FUNCTIONS

LIST OF SEMICONDUCTOR FUNCTIONS
FOLLOWS THIS SHEET

SEMICONDUCTOR FUNCTIONS
FCC ID: F3JRT800

APPENDIX 3

RT-800 Compliance Testing Information

Table of active semiconductors for transmitter RF and modulator.

item	designation number	part number	function description
1	U210	ACE9030	Synthesizer for transmit modulator.
2	U209	ACE9020	Transmit modulator, up-converter mixer, and buffer to protect reverse isolation from power amplifier.
3	U219	UPC2763	Exciter driving power amplifier.
4	U205	TQ9147B	GaAs MESFET power amplifier.
5	U203	TC7660COA	Negative voltage DC/DC converter for power amplifier gate bias.
6	U213	Si6433DQ	FET switch for power supply to power amplifier.
7	D201	BAT74	Schokky diode for power detector.
8	Q205	KTA1663	PNP transistor for power level control.
9	Q202	KTC4075	NPN transistor for power level control.
10	Q201	UMTIN	Dual PNP transistors for negative bias for the power amplifier.