

THEORY OF OPERATION for LTE

LTE		
a) The DC V/I at the final RF amplifier device	DC voltage	4.2V max
	DC current	20uA at sleep mode, 450mA peak at TX mode.
b) The frequency stabilizing and limiting TX power	X2750 Crystal oscillator	This crystal is a reference signal source of frequency synthesizer.
	IC100 RF-IC	IC100 is a highly integrated transceiver module that supports 3GPP LTE/WCDMA/EGPRS wireless terminals. The features are following. 1. LTE Band : 1, 2, 3, 4, 5, 7, 8, 12, 17, 18, 28, 38, 39, 40, 41, 42 (This handset is not using the features for Band 6,9,10,11,13,14,19,20,21,23 to 27,29,30,32,66,67 and 71 LTE-FDD, Band 34, 39, 40, 43, 46 and 48 LTE-TDD.) 2. LTE DL category 18 and UL Category 18
	IC1000 Host CPU LSI	IC1000 is a highly integrated digital baseband controller ASIC. Including XO control block.