

Bluetooth THEORY OF OPERATION

FCC ID: APYHRO00143

a) The DC V/I at the final RF amplifier device

DC voltage	1.8V/3.7V
DC current	0.3uA at sleep mode, 80mA peak at TX mode

b) Freq. Stabilizing, Limiting TX Power

X2000	VCXO	Crystal oscillator
IC3200	Bluetooth/W-LAN module (RF/BB/Regurator)	IC3200 includes all baseband and radio functionality, from HCI up to antenna. The features are following. 1.Fully integrated near-zero-IF receiver with high sensitivity. 2.Advanced DC offset compensation for improved reception quality. 3.RSSI with high dynamic range 4.Programmable output pre-amplifier. 5.Fully integrated low phase noise VCO operating in the 5GHz frequency range. 6.Internal shielding for EMI.
IC1000	Host CPU LSI	IC1000 is a highly integrated digital baseband controller ASIC.
IC2000	Power Management IC	IC2000 has including XO with dual output.