EXHIBIT C

[FCC Ref. 2.1033(b)(4)]

"Description of Circuit Functions"

Circuit description

H5400 handset circuitry is mainly grouped into 14 parts: charging control, regulator, RF module, reset, backlight, MCU, LCD display, low_battery detector, EEPROM, keyboard, RF power control, compandor, buzzer driver and data processor.

1. Charging control: Q17, Q18 are used to reduce the charge current after 4-hour-charge.
2. Regulator: Q19, Q20, Q21 form a voltage regulator of 3.6V preventing from LCD and RF module out of order.
3. RF module: frequency is 900Mhz, narrow-band, upper_local oscillator, and in charge of transmitting and receiving audio and data. Its first IF 10.7Mhz, the second IF is 455KHz.
4. Reset: Q11 and other components form reset circuitry. When voltage rises to 2.8 V or so, it will produce a high level reset signal.
5. Backlight: illuminates the keys and LCD.
6. MCU: it's made up of NT93423 and relevant components. It is used to control RF module, LCD, EEPROM, TX, RX, backlight, etc.
7. LCD: display all kinds of information.
8. Low-battery detector: it is mainly made up of Q13, Q14. When the battery voltage is lower than 3v, it will give a low signal.
9. EEPROM: Used to store some fixed data.
10. Keyboard: Receive the input information by user.
11. RF power control: to switch the TX or RX on/off respectively.
12. Compandor: KA8507 is used to dispose audio signal, widen the active scope and improve the audio quality.
13. Buzzer driver: Q10 used to drive buzzer.
14. Data processor: Q5, Q6 used to produce and perfect the data received.