

Changes in FCC ID: PPIRH-50

Following components have been changed to RoHS (restriction of the use of harmful substances) compliant versions, which are electrically identical to original ones:

Z602 SAW RX1800 filter
Z603 SAW RX1900 filter
R103, R388 ASIPs
N150 Audio Amplifier package change
D450 Combo Memory package change
D200 and D400 BB ASICs package change
G701 VCO module (diode changed)
B200 Sleep crystal
Z601 Antenna switch module (coil changed)
L106, L151, L152, L153, L301 and L303 Ferrite Beads
F100 Fuse

HW (other)

N601 RF ASIC RoHS compliant version

- DC bias changed by modifying metal mask of one resistor to reduce spectrum variation in production. Specification is not changed.
- ESD protection improved
- Clock buffer ground rerouted
- Start-up control circuit improved
- Sleep-mode improved by turning off internal clocks when not needed
- Reduced sensitivity to disturbance from local oscillator
- Test filter improved

Resistor R628 changed to change DC bias with N601.

Resistor R725 & R726 plus coil L705 & Resistors R720 & R721, changed to give better loading.

Capacitors C634 and coils L606 and L607 changed to adapt GSM850 SAW filter impedance.

Capacitors C100 and C240 changed to improve ESD.

Electrically identical version of GSM850 amplifier V802 presented as an option.

Conclusion of internal review:

2.1049 Occupied bandwidth

2.1055 Frequency stability

22.917 Radiated emissions

24.238 Radiated emissions

RF exposure tests not required