

Changes in FCC ID: PPIRH-19

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

Z701 SAW filter
Z604 SAW RX900 filter
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.

Capacitor C720 and coil L712 changed to give better loading.

Capacitors C100 and C240 changed to improve ESD.

Electrically identical version of GSM900 amplifier V802 presented as an option.

Conclusion of internal review:

2.1049 Occupied bandwidth
2.1055 Frequency stability
24.238 Radiated emissions
RF exposure tests not required