

Changes in FCC ID: QTLRH-6

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 and matching components L606 & L607
Z602 SAW RX1800 filter
Z603 SAW RX1900 filter and matching components L601 & L602
R103, R388, R105, R330 & Z300 ASIPs
N150 Audio Amplifier package change
N306 Touch Screen Controller
D450 Combo Memory package change
D200 and D400 BB ASICs package change
G701 VCO module (diode changed)
Z601 Antenna switch module (coil changed)
L106, L151, L152, L153 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 L705 plus R720 & R721 changed to give better loading.

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

N801 PA

- Manufacturer of power amplifier changed, target specification and power tuning is the same

Conclusion of internal review:

2.1049 Occupied bandwidth
2.1055 Frequency stability
24.238 Radiated emissions
24.232 Radiated RF output
2.1093 Radiofrequency Radiation Exposure Evaluation