

Changes in FCC ID: PPIRH-37

Following components have been changed to second source suppliers (BOM1):

Z7700 SAW TX900 filter

Z7800 Antenna switch module

Z7801 SAW RX1900 filter

Z7802 SAW RX1800 filter

Z7803 SAW RX900 filter

To adapt the components following standard components had to be changed:

C7708, C7722, C7511, C7701, C7709, L7702, R7504, R7505, R7506, R7508, R7700, R7701, R7713, R7716, R7715, C7712, C7716, R7712, R7702, C7711, L7710 and R7710

HW (other)

N7500 RF ASIC "Helgo86"

- Bias operational amplifier isolated from current mirrors. This stabilizes the PLL.
- Capacitors added to TX block bias parts to reduce noise and spurious in RX band.
- Improved metallization in GSM900 mixer and RF lines (improved AM suppression)
- Protection diodes removed from RX RF input lines (improve AM suppression and Lo-leakage to RX-input)

N7700 PA

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

Conclusion of internal review:

24.238 Radiated emissions

24.232 Radiated RF output

2.1093 Radiofrequency Radiation Exposure Evaluation