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Change in PYARA-4

Four (4) changes are made to the power amplifier to improve either RF performance or reliability.

1. ESD protection changed on Vmode pin (ESD diodes removed)
2. Temperature sensing diode moved - integrated into output transistor (Q3) for better temperature compensation
3. Topology change of output matching capacitor (TCAP) for improved ESD performance
4. Re-centering of biasing of high beta adaptive version (improved efficiency)

Results of internal review

No SAR testing required
Part 22, 24; Spurious emissions
Part 22, 24; Band edge