



Model name : XG-650E V11

HW Engineer : Daniel Teng

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Change List

- 1. Change FB12, FB6, FB9, FB13= 0603 0R, L13=0402 0R. →Reduce Power noise.**
- 2. Change Cap C62, C51, C59=22uF/X5R(0805). →Reduce Power noise**
- 3. Change C68=100nF, stabilize RF VCO Loop Filter.**
- 4. Change VCO power from A3.3V to A2.85V. → Stabilize VCO phase noise.**
- 5. Change 2.85V regulator from 2.8V to TI 793-285 LDO. →Reduce Power noise.**
- 6. Change L13, L14=18nH from 33R. Stabilize VCO power pulling figure.**