

FCC ID: 2ALEPT0004437

IC: 22504-T0004437

C2PC

PCBA Comparison

Enclosure inside View with Shield



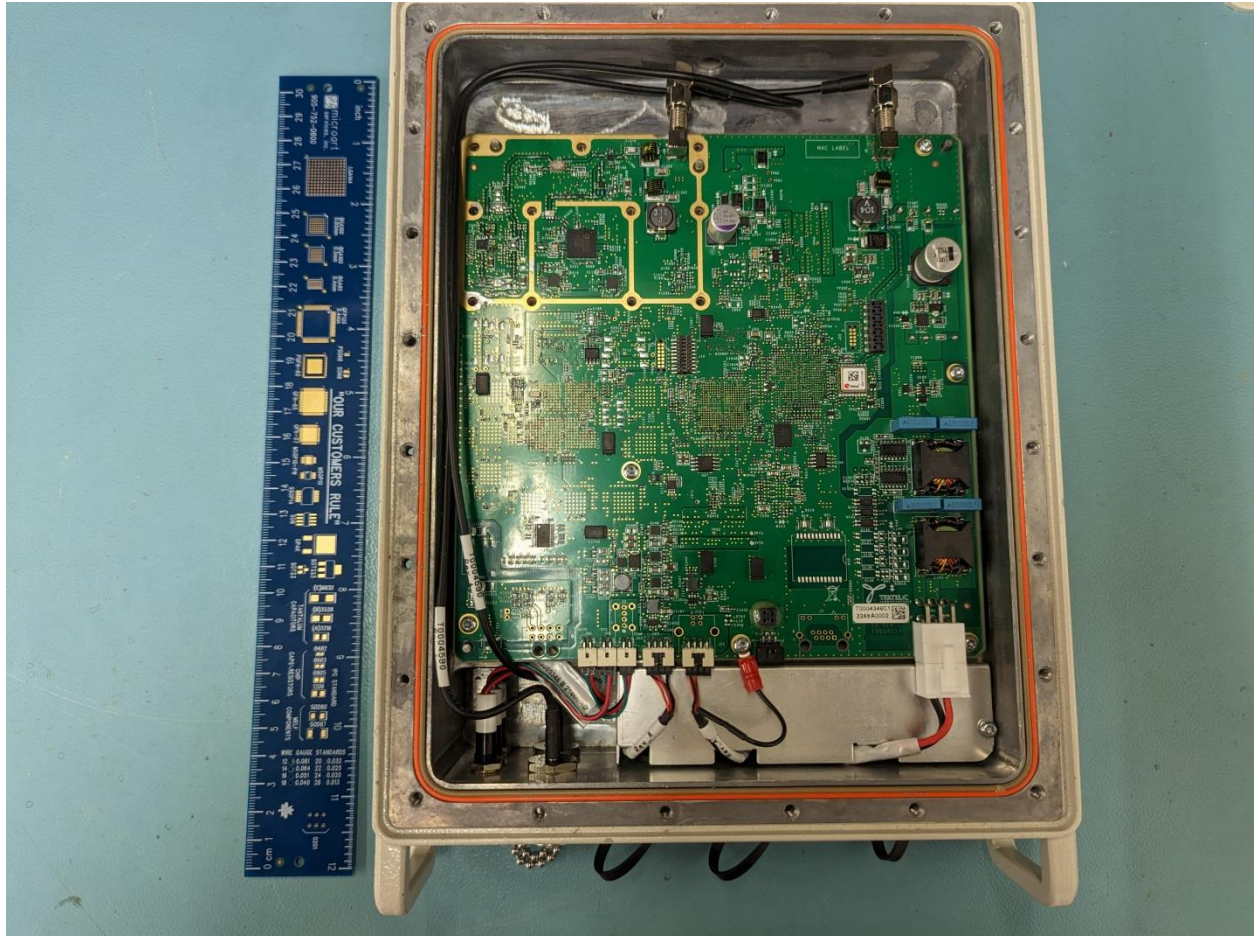
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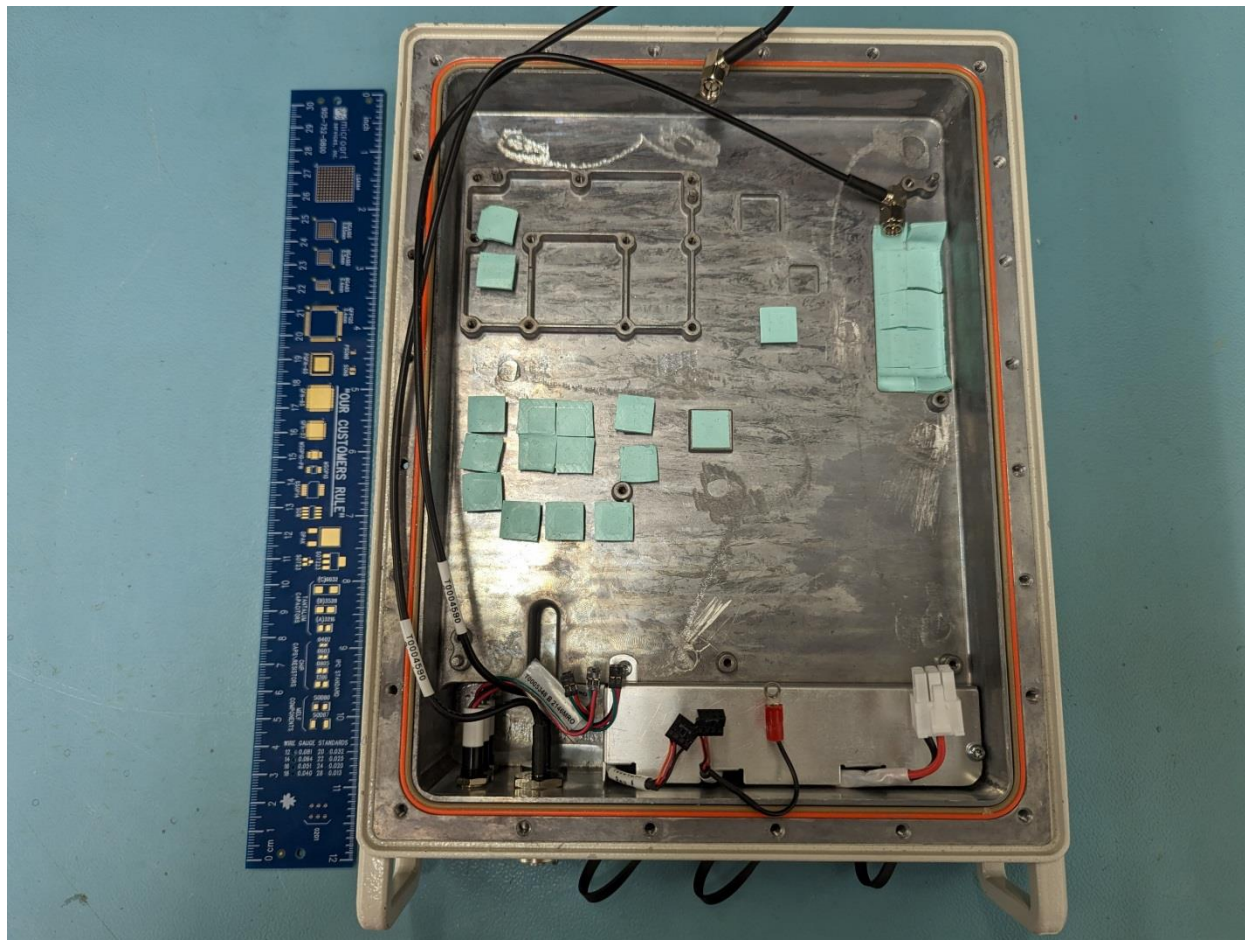
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C2PC

PCBA Comparison

Enclosure inside View without PCB



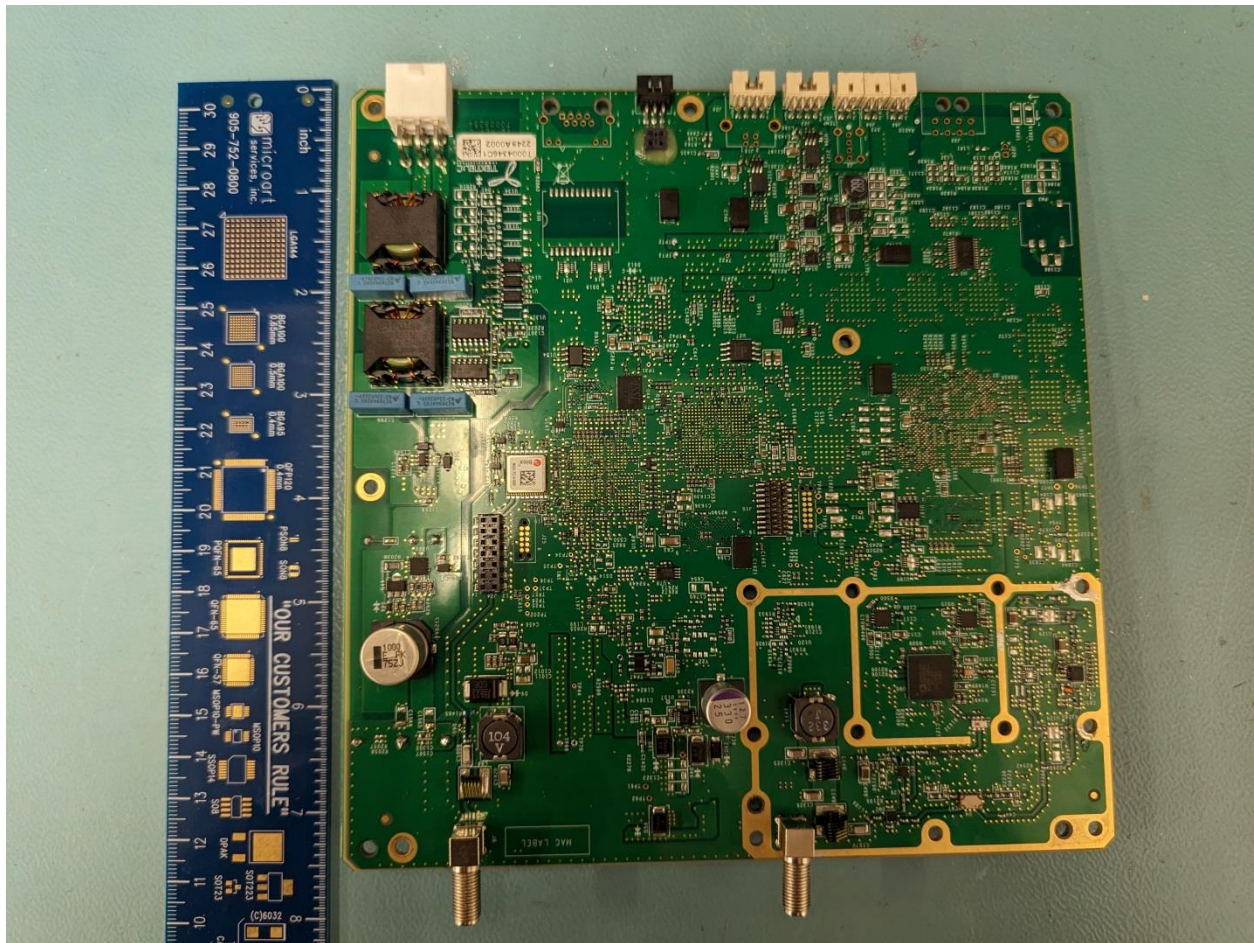
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C2PC

PCBA Comparison

PCB Top View



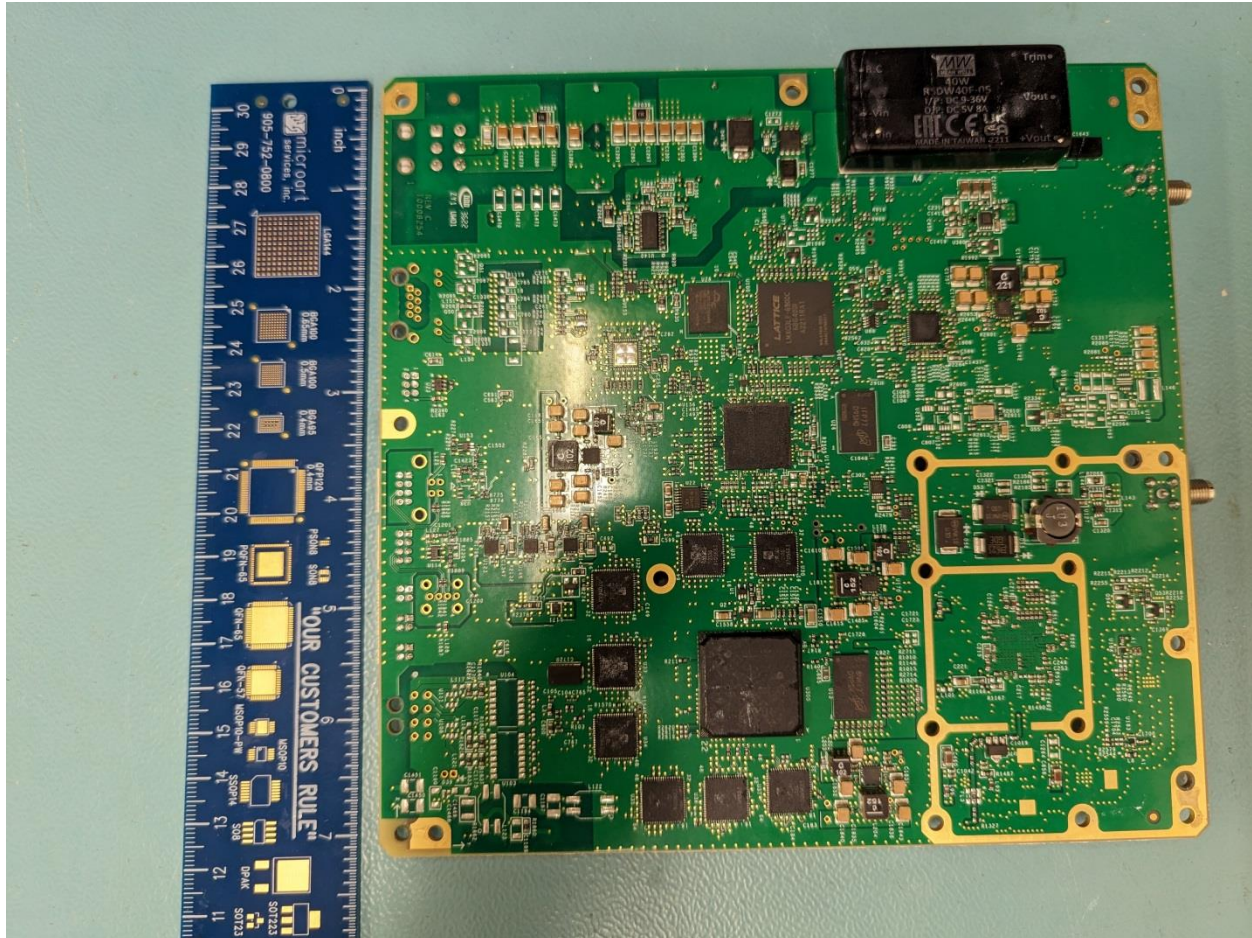
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C2PC

PCBA Comparison

PCB Bottom View



Change List:

1. Clock generator – same functionality – same LVDS levels
2. Crystal oscillator replaced with MEMS-based oscillator
3. GPIO FPGA and FE-FPGA
4. Buck power converters – changed from TI to Maxim
5. RF LNA replaced with Qorvo from NXP.
6. VSWR detector changed to TI from MAX
7. SPDT switch changed from Skyworks to Qorvo.
8. Input power supplies are replaced with pin-to-pin compatible parts.

Legend – Similarities and Differences:

Different Part

Mobile Gateway Primary Side

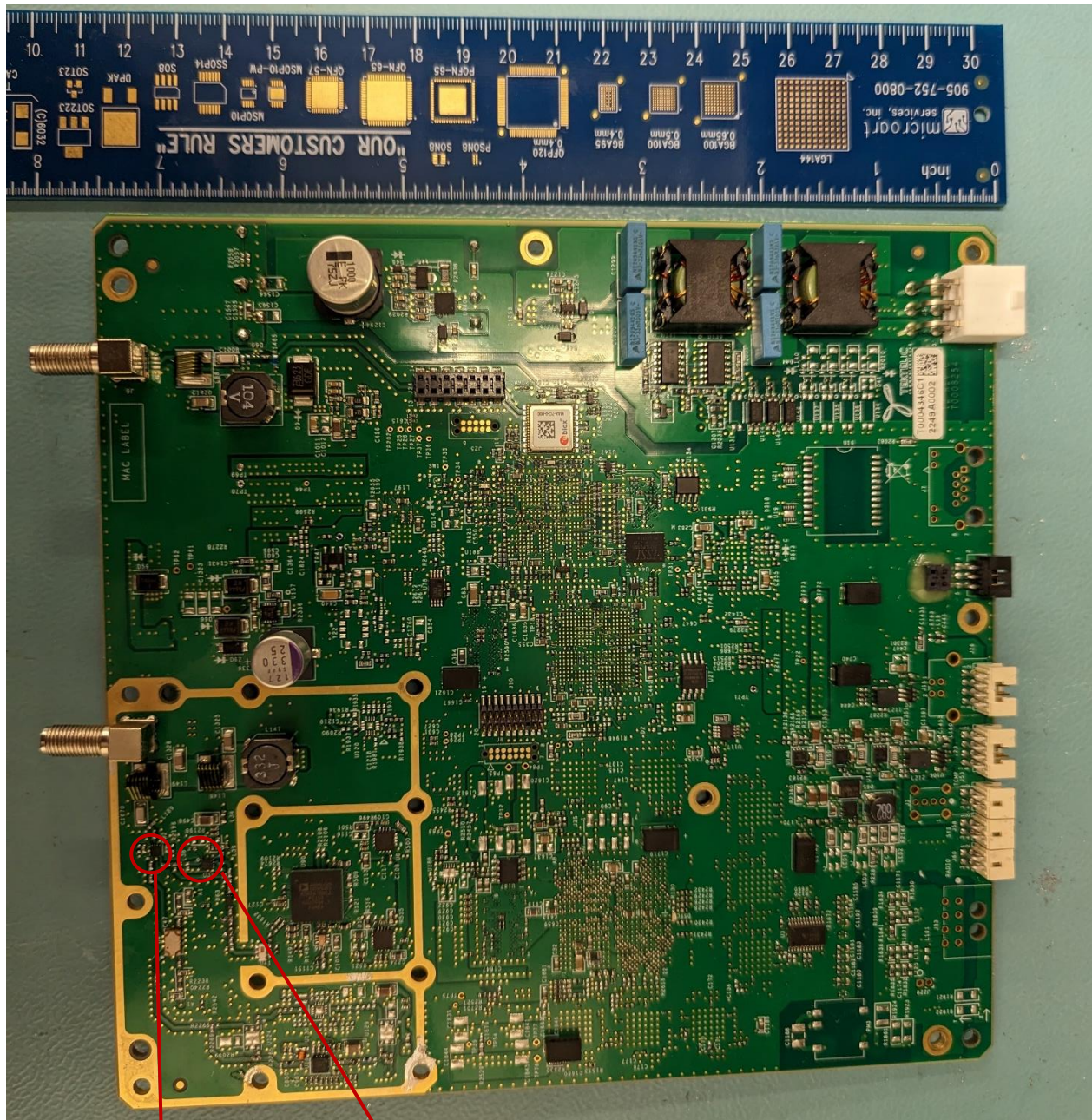


Figure 5 Gen 2 Mobile gateway primary side

RF SPDT switch
RFSW8000

LNA
Qorvo TQP3M9036

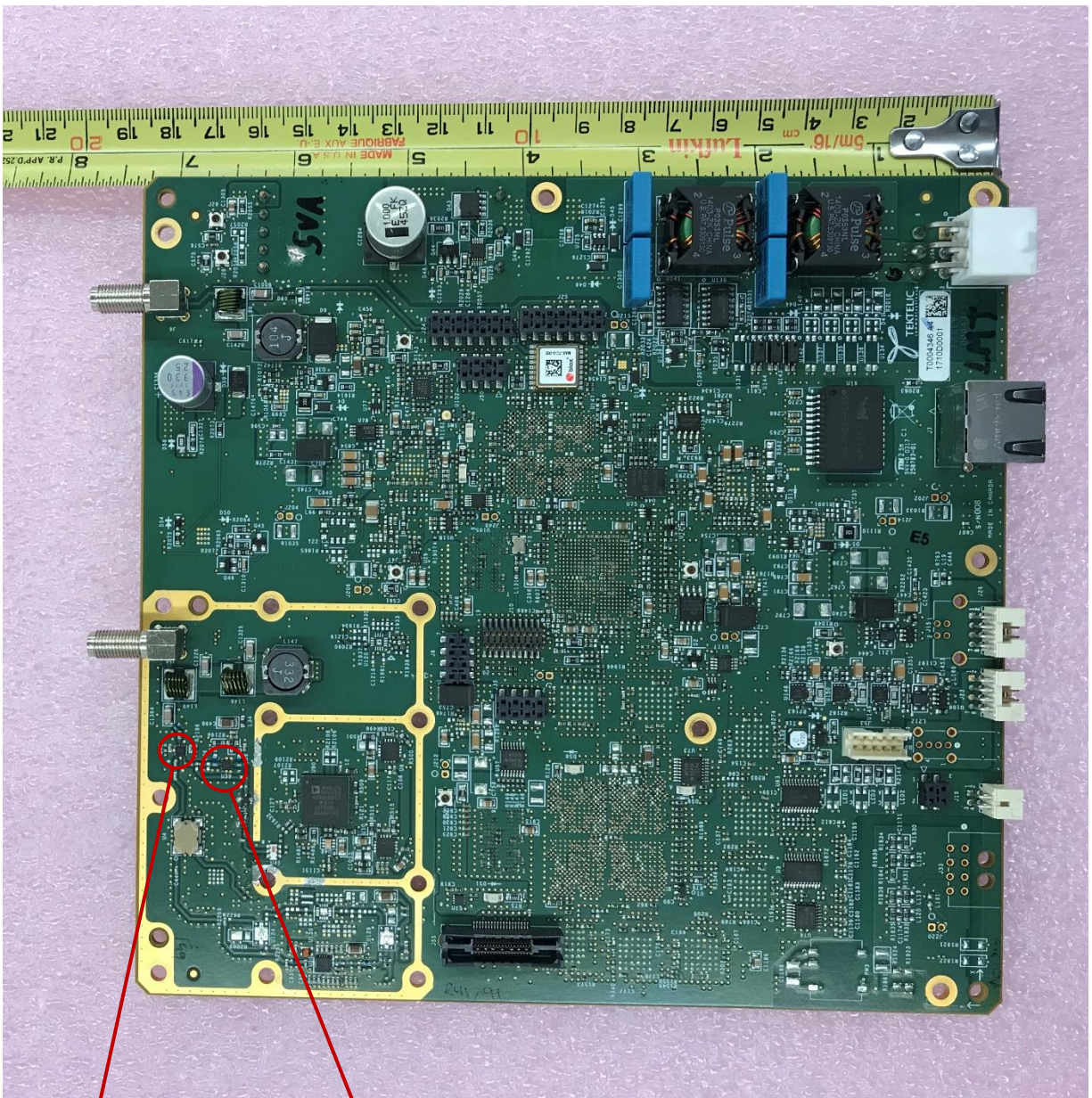
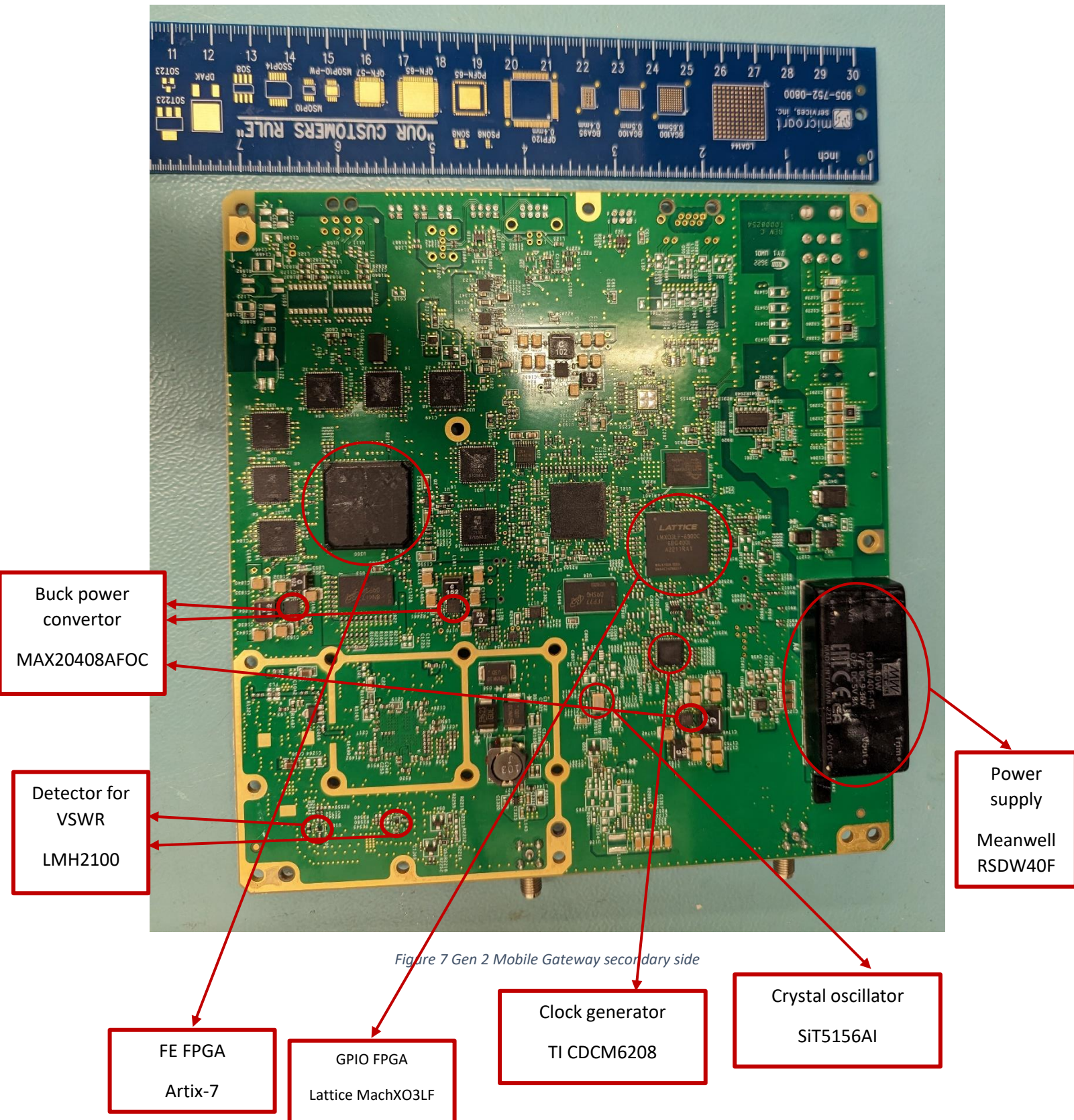


Figure 6 Gen 1 Mobile gateway primary side

RF SPDT switch
SKY13321

LNA
Avago MGA-633P8

Mobile Gateway Secondary Side



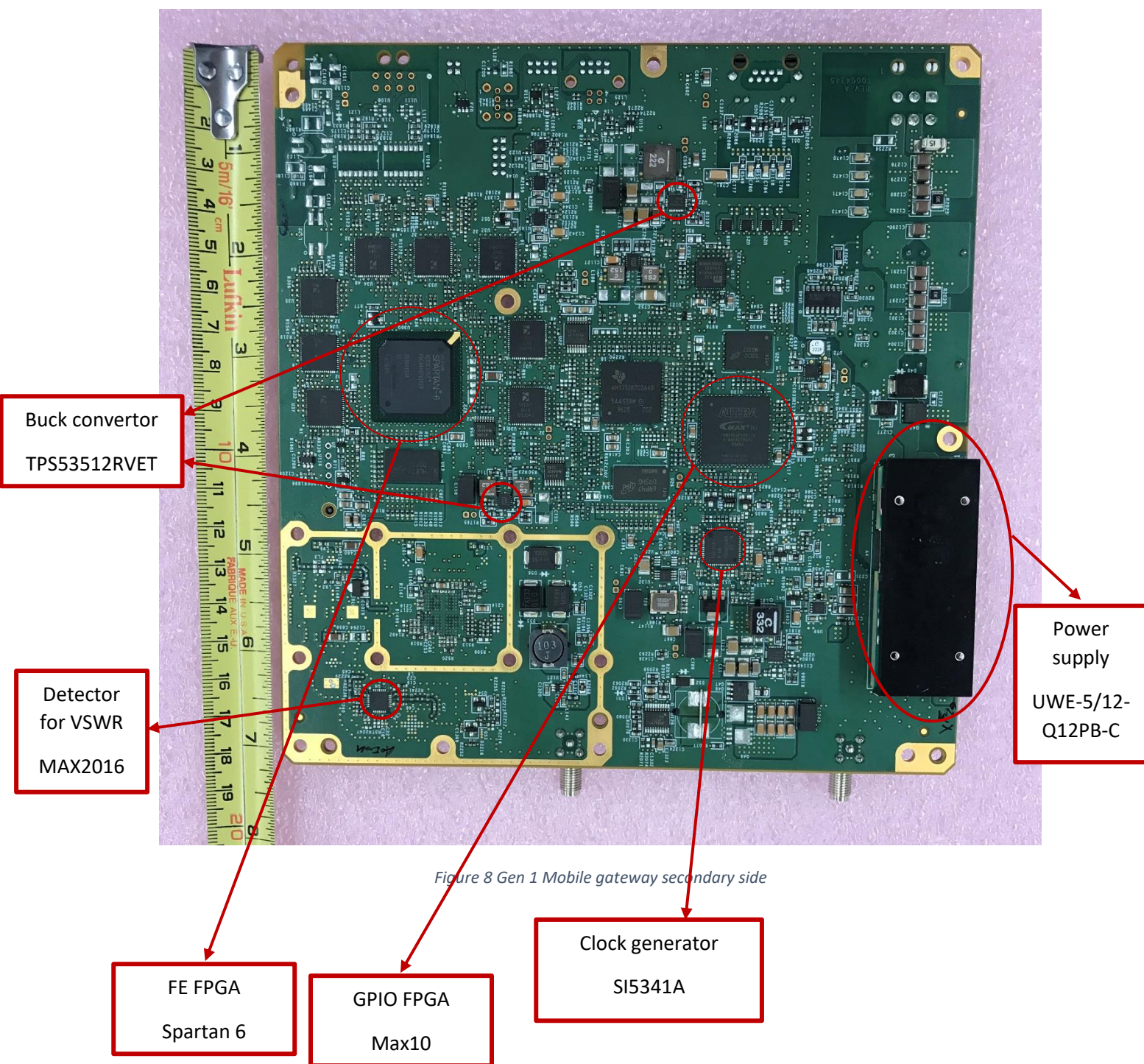


Figure 8 Gen 1 Mobile gateway secondary side