



ROHDE & SCHWARZ

Rohde & Schwarz GmbH & Co. KG
Muehldorfstr. 15, 81671 Munich

04.11.2015

Federal Communication Commission
Equipment Authorization Division, Application Processing Branch
7435 Oakland Mills Road
Columbia, MD 21048

PCII Request / Re-assessment

RTH Digital Oscilloscope, FCC ID: *KVW-RTH13175000* granted on 02.11.2015

TO WHOM IT MAY CONCERN

Pursuant to CFR § 2.1043 and RSP-100, Rohde & Schwarz GmbH & Co. KG hereby requests a Permissive Change Class II / Re-assessment.

Reason:

Modifications:

- Layout changes (see appendix Layout Overview)
- Distance to user lower than 20 cm

The following new exhibits will be uploaded:

- Test report on radiated measurements
- RF Exposure Info
- External Photos, ...

Sincerely,


Mrs. Birgit Seitz

BIRGIT SEITZ

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Layout Overview

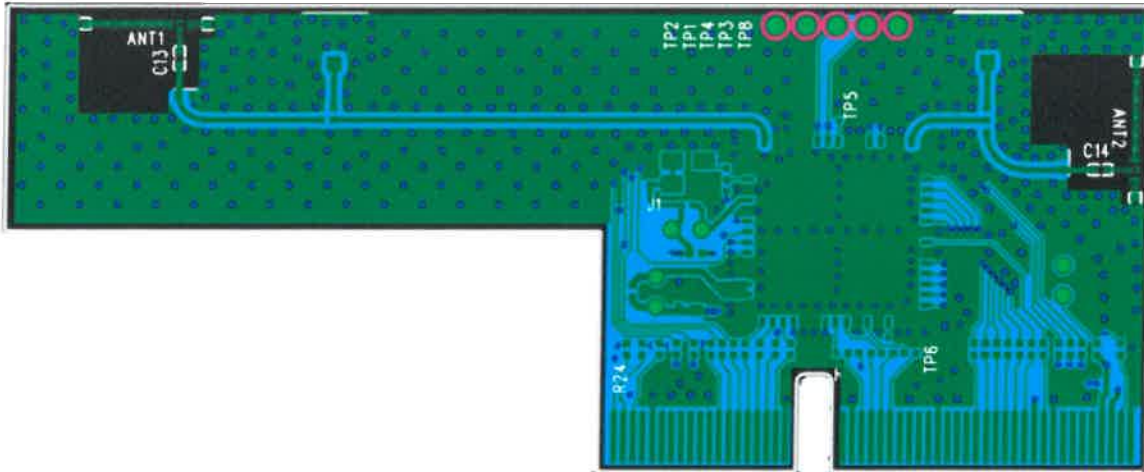


Figure 1 TI reference design (copied from WL1835MODCOM8B user manual)

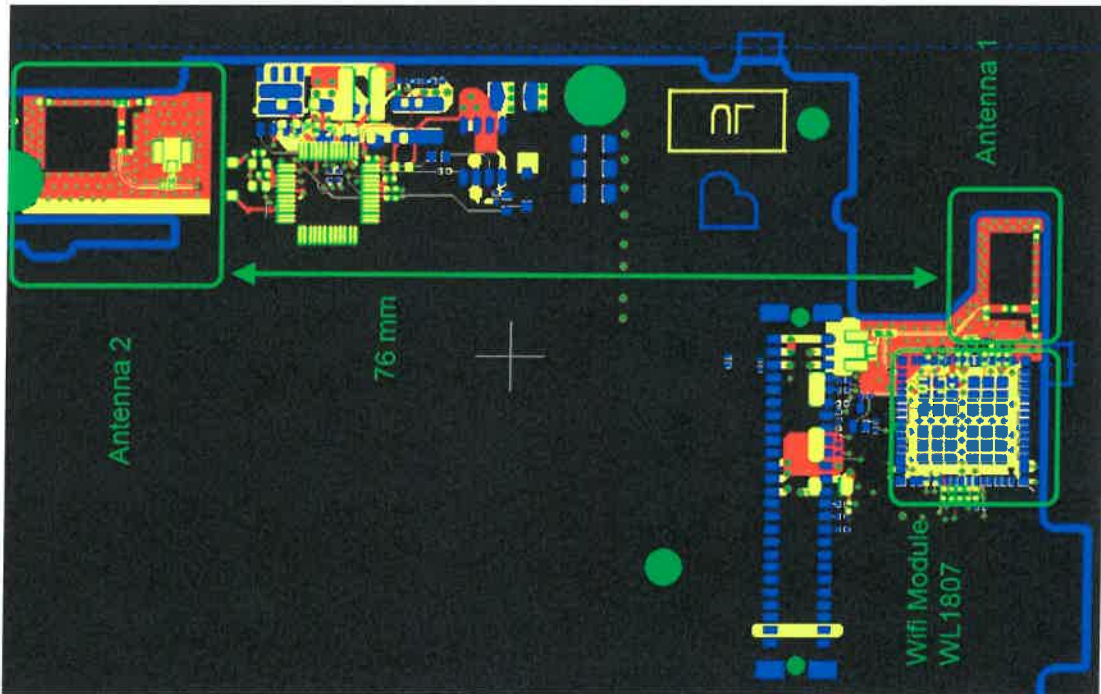


Figure 2 R&S RTH WLAN layout

Layout Differences

Trace to Antenna 1

Trace to antenna 1 follows the TI reference design except that a via at the module is used to change from layer 12 to layer 1 and the trace length of RTH design is 3 mm longer.

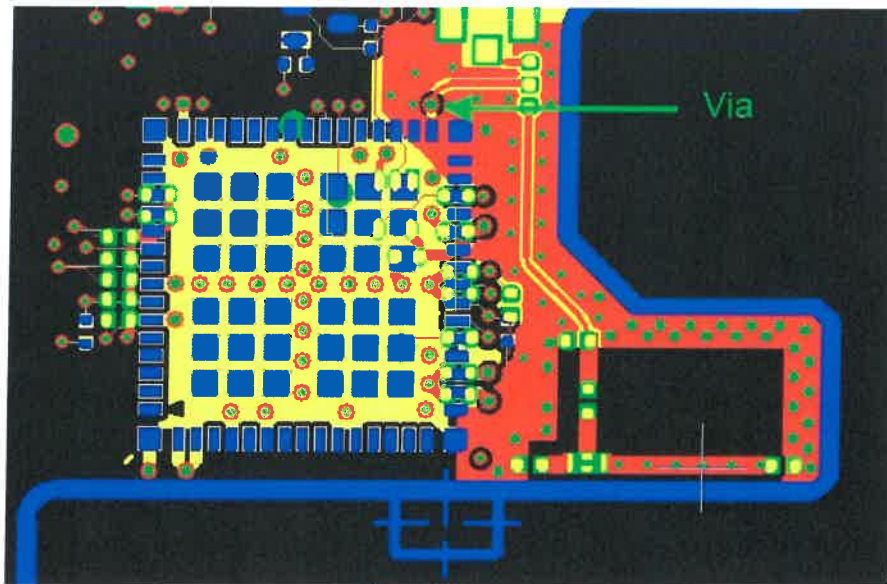


Figure 3 Antenna 1

Trace to Antenna 2

Trace to antenna 2 uses a stripline instead of a microstrip and two vias to change the layers. Trace to antenna 2 is 35 mm longer compared to TI reference design. Via stitching along the trace is partly interrupted.

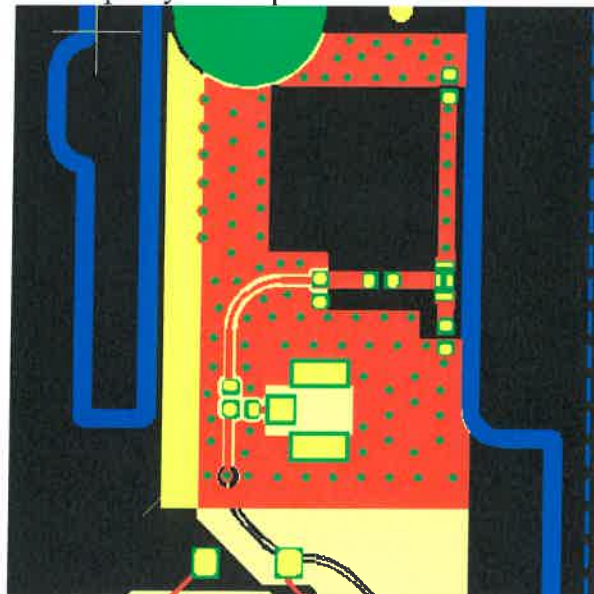


Figure 4 Antenna 2

Board Stack-up

Board stack-up is different compared to TI reference design but both traces to the antennas have 50 Ohm impedance.