

Photo Report on

Test Setups Cellular Module

Cinterion® EMS31-US

LTE CAT-M1 Module

FCC ID: QIPEMS31-US
IC: 7830A-EMS31US

Report Reference: MDE_GEMALTO_1707_FCC_Setups

Date: December 07, 2017

Test Laboratory:

7layers GmbH
Borsigstrasse 11
40880 Ratingen
Germany



Deutsche
Akkreditierungsstelle
D-PL-12140-01-00

Note:

The following test results relate only to the devices specified in this document. This report shall not be reproduced in parts without the written approval of the test laboratory.

7layers GmbH

Borsigstraße 11
40880 Ratingen, Germany
T +49 (0) 2102 749 0
F +49 (0) 2102 749 350

Geschäftsführer/
Managing Directors:
Frank Spiller
Bernhard Retka
Alexandre Norré-Oudard

Registergericht/registered:
Düsseldorf HRB 75554
USt-Id.-Nr./VAT-No. DE203159652
Steuer-Nr./TAX-No. 147/5869/0385

a Bureau Veritas
Group Company

www.7layers.com



Photo 1: Test setup for radiated measurements (Enclosure, fully-anechoic chamber, 30 MHz – 10/20 GHz § 24/27)



Photo 2: Test setup for radiated measurements (Enclosure, fully-anechoic chamber, 30 MHz – 10/20 GHz § 24/27)

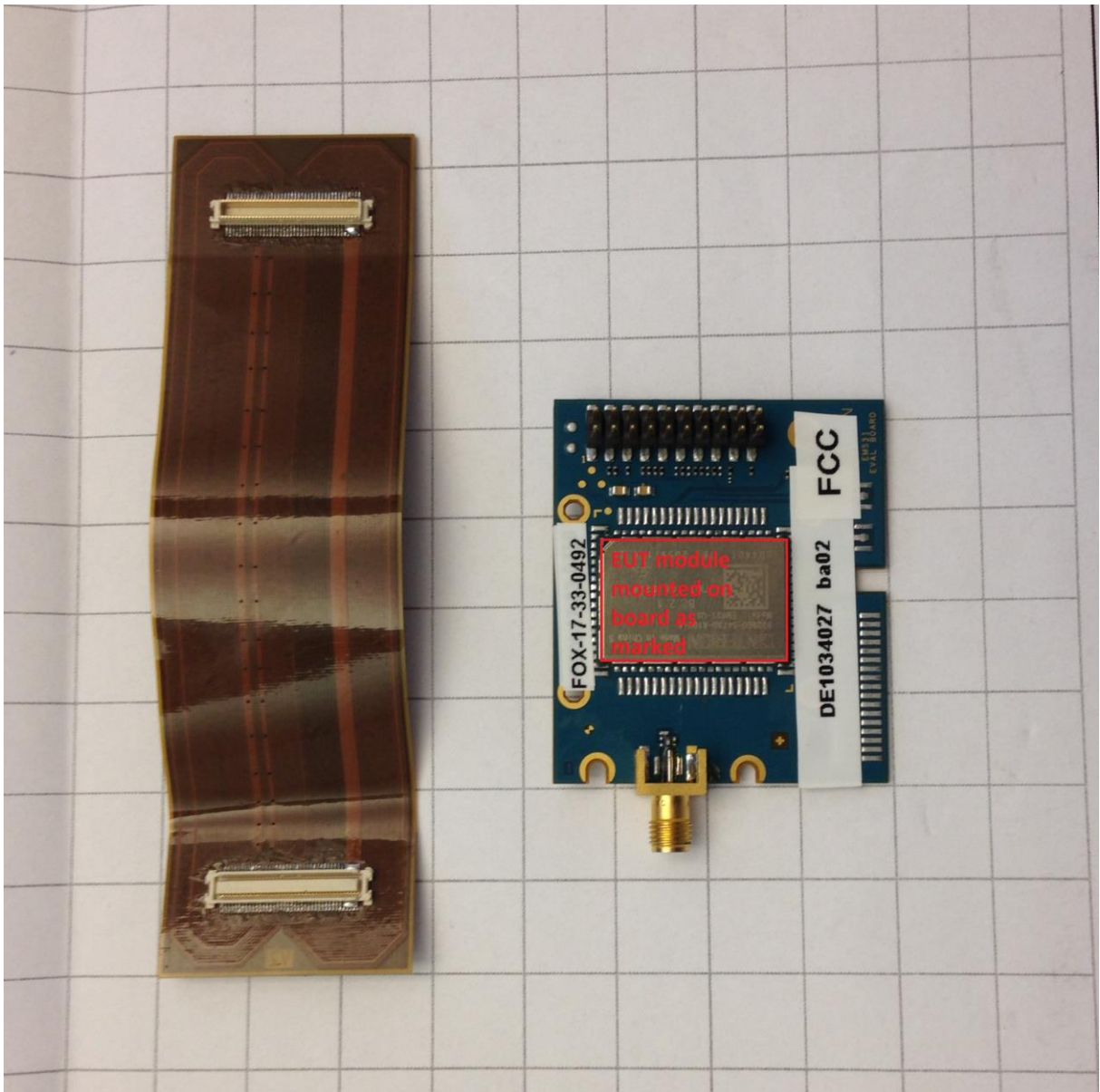


Photo3: Flex Adapter and Module

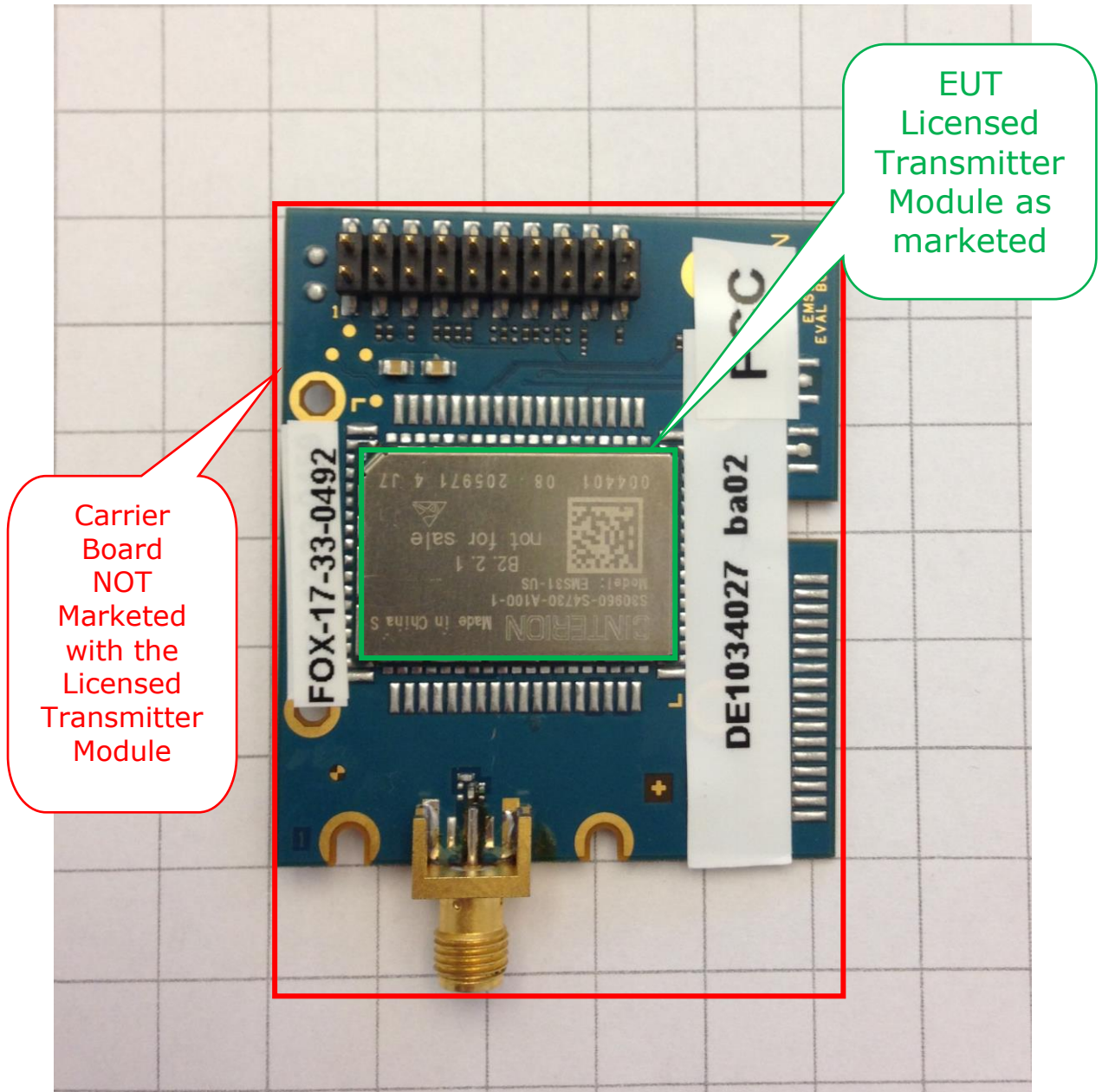


Photo 4: Module with Antenna port



Photo 5: Module Antenna trace design