



3.5 Out of band antenna conducted emissions test according to §15.247(c)

3.5.1 General

This test was performed to prove that the EUT out-of-band emissions in any 100 kHz bandwidth outside 2.400 to 2.4835 GHz are at least 20 dB below maximum power content as measured in any 100 kHz bandwidth within the band that contains the highest level of the desired power.

3.5.2 Test set-up

The test setup was the same as in test 3.1.

3.5.3 Test results

The test was performed with transmitter operating at 3 carrier (channels) frequencies 2402, 2441 and 2480 MHz from 30 MHz to the 10th harmonic. Plots 3.5.1 to 3.5.12 show that the out of bands measured signals were attenuated more than 20 dBc.

Reference numbers of test equipment used

HL 0025	HL 0056	HL 0872				
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Full description is given in Appendix A.

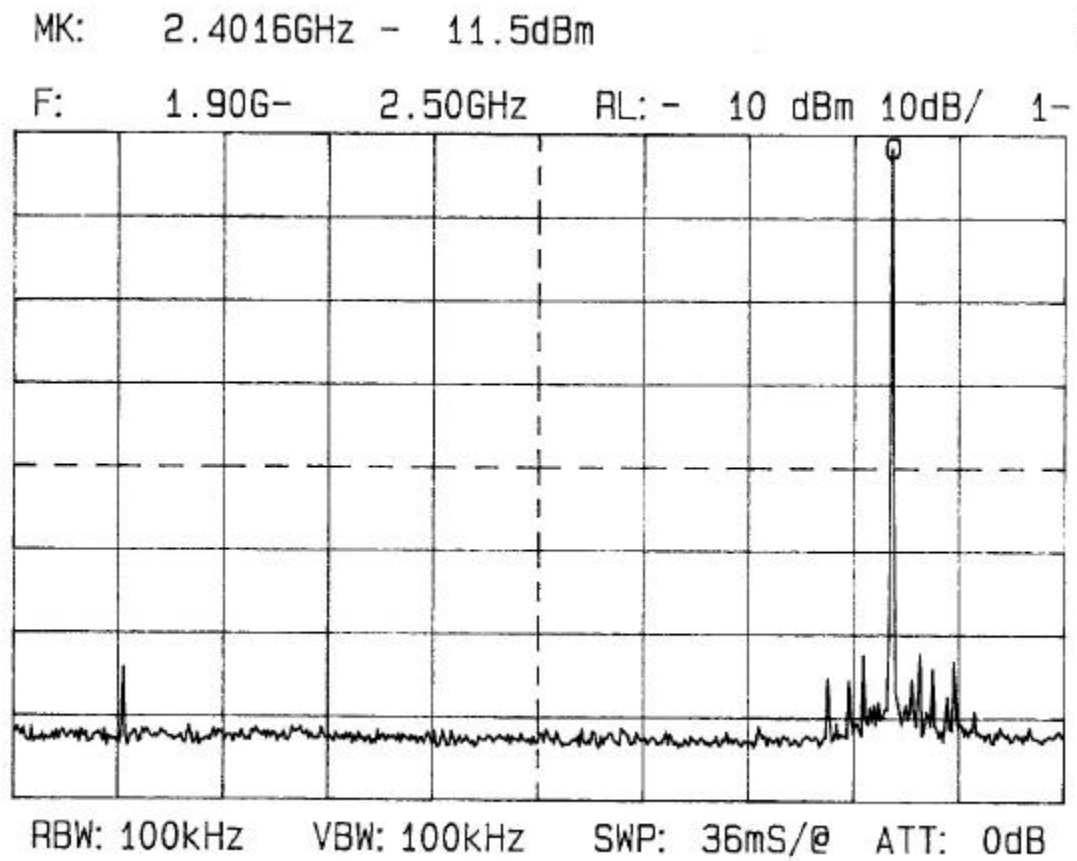


Plot 3.5.1

Test specification: § 15.247 (c)

Out-of-band emissions at the antenna output terminal

Frequency: 2.402 GHz



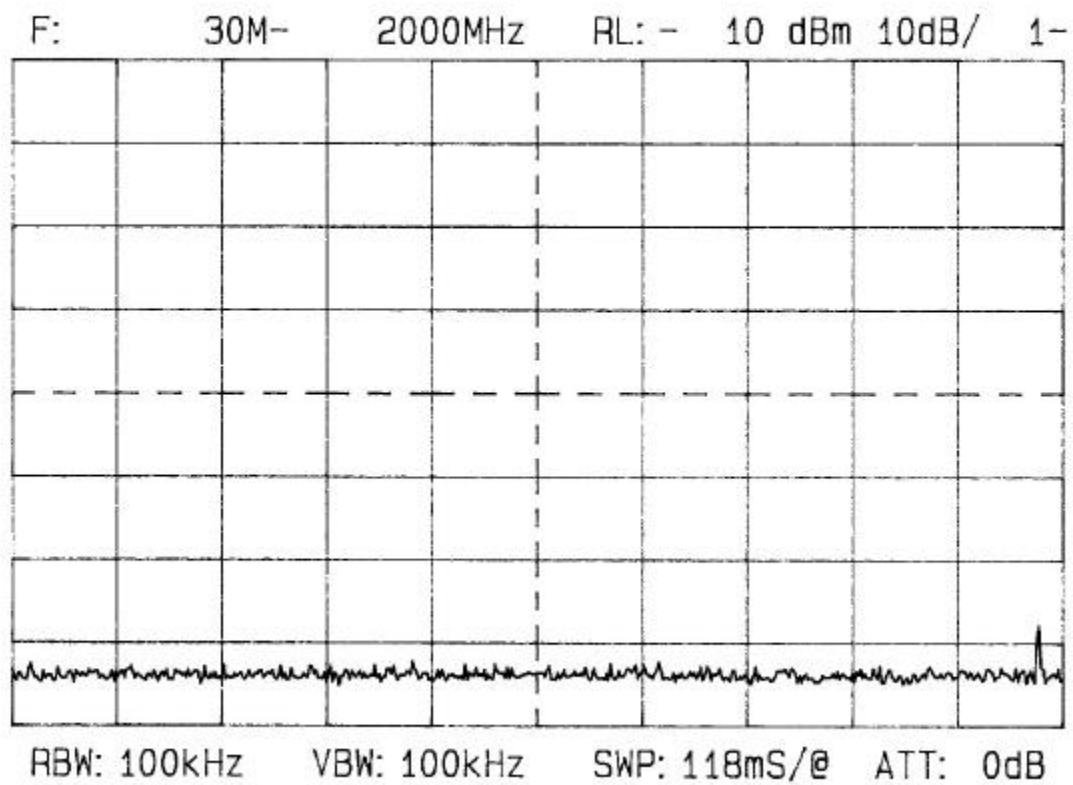


Plot 3.5.2

Test specification: § 15.247 (c)

Out-of-band emissions at the antenna output terminal

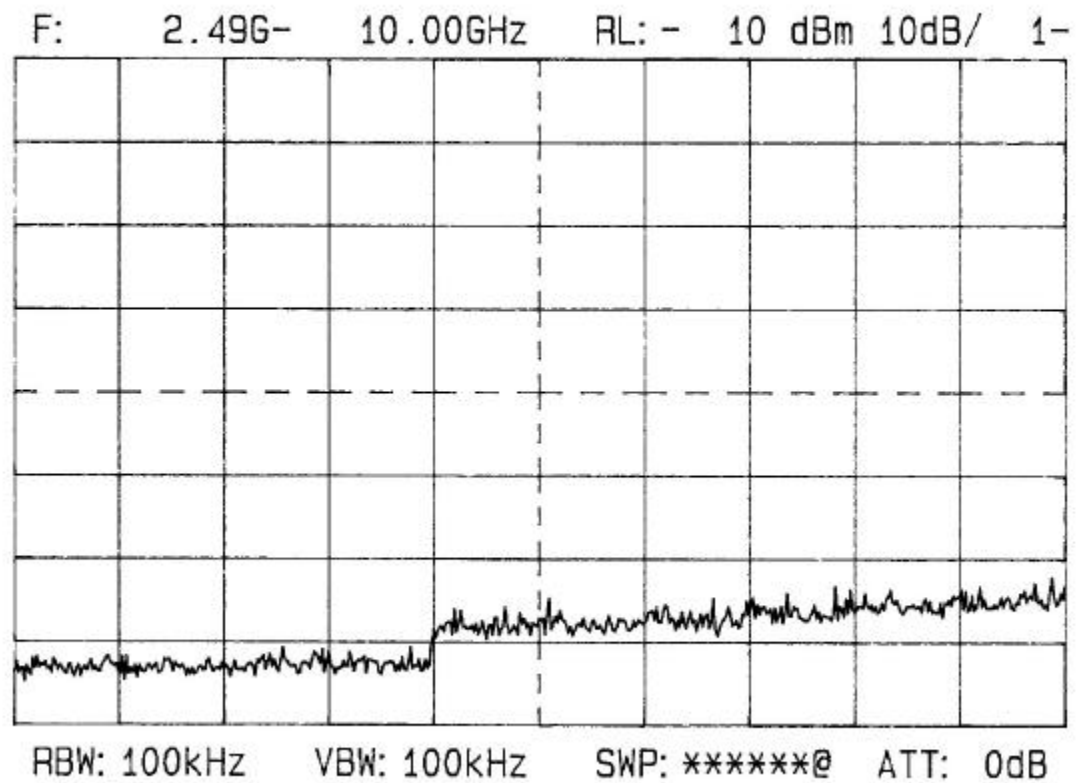
Frequency: 2.402 GHz





Plot 3.5.3

Test specification: § 15.247 (c)
Out-of-band emissions at the antenna output terminal
Frequency: 2.402 GHz



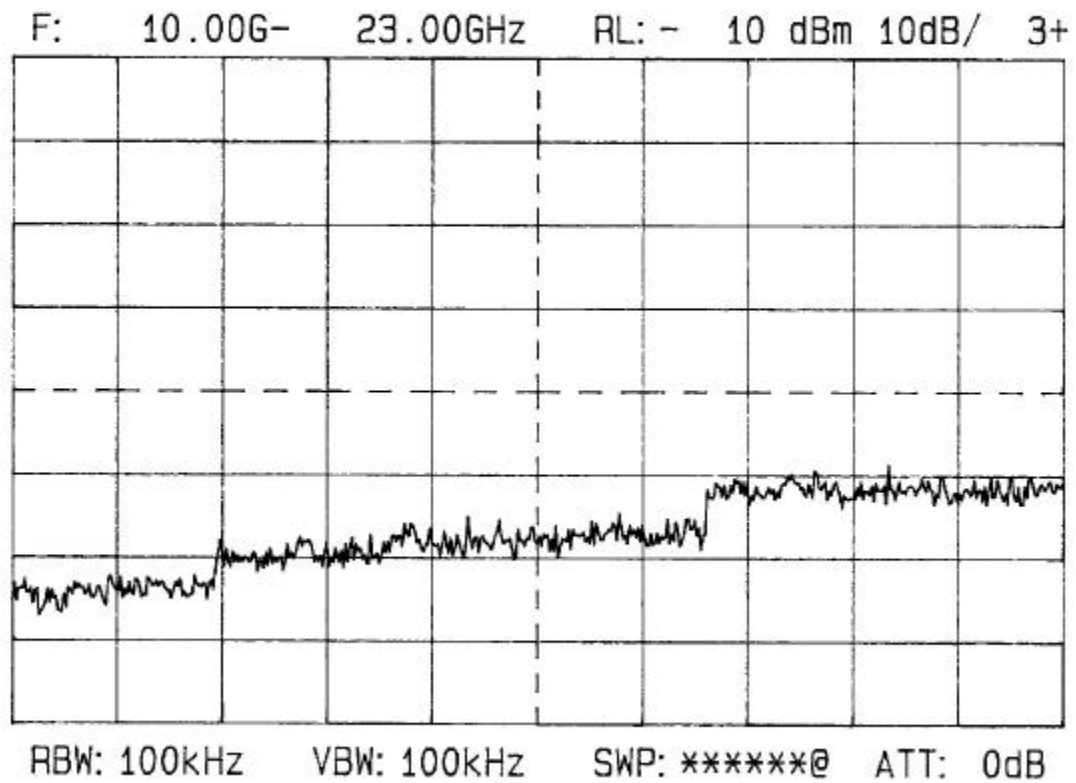


Plot 3.5.4

Test specification: § 15.247 (c)

Out-of-band emissions at the antenna output terminal

Frequency: 2.402 GHz



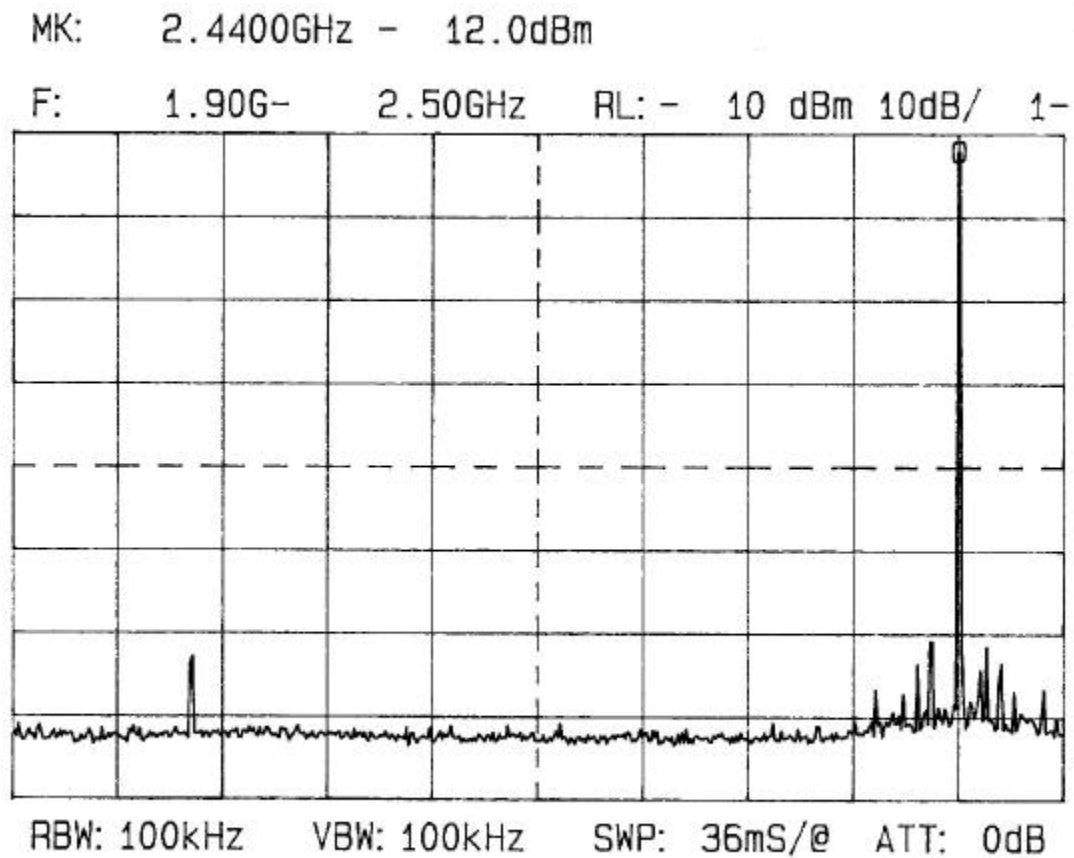


Plot 3.5.5

Test specification: § 15.247 (c)

Out-of-band emissions at the antenna output terminal

Frequency: 2.441 GHz





Plot 3.5.6

Test specification: § 15.247 (c)
Out-of-band emissions at the antenna output terminal
Frequency: 2.441 GHz

