

<u>APPLICANT</u>	<u>Manufacturer</u>
Symbol Technologies, Inc. One Symbol Plaza Holtsville, NY 11742	Symbol Technologies, Inc. One Symbol Plaza Holtsville, NY 11742

TEST SPECIFICATION: FCC Rules and Regulations Part 15, Subpart C

TEST PROCEDURE: FCC 15.249(a)

TEST SAMPLE DESCRIPTION

BRANDNAME: Symbol

PART NUMBER: 24-42507-01 FCC ID: H9PPHASERMODULE

TYPE: 2.4 GHz Pulsed RF Transmitter Module

FREQUENCY RANGE: 2402 to 2482 MHz

POWER REQUIREMENTS: +5 VDC derived from Host Terminal

TESTS PERFORMED

- 15.207(a) Conducted Emissions, 450 kHz to 30 MHz
- 15.209(a) Radiated Emissions, Spurious Case
- 15.249(a) Radiated Emissions, Fundamental and Harmonics
- 15.249(c) Occupied Bandwidth

REPORT OF MEASUREMENTS

Applicant: Symbol Technologies, Inc.
Device: Pulsed RF Transmitter Module
FCC ID: H9PPHASERMODULE
Power Requirements: +5 VDC derived from the Host Terminal
Applicable Rule Section: Part 15, Subpart C, Section 15.249

TEST RESULTS

- 15.249(a): Field strength of emissions from the intentional radiator operating in the 2400-2483.5 MHz frequency band did not exceed 50 mV/m average for the fundamental and 500 uV/m average for harmonics.
- 15.249(b): Field strength readings were recorded at a distance of three meters from the Intentional Radiator unless otherwise specified.
- 15.249(c): Emissions radiated outside the specified frequency band except for harmonics, were attenuated by at least 50dB or to the emissions limits of 15.209, whichever was the lesser attenuation.
- 15.249(d): All measurements were taken utilizing a peak detector. The peak field strength did not exceed the average limits under any condition of modulation.

GENERAL NOTES

1. All user accessible controls were adjusted to produce maximum emissions.
2. The unit operates in the band of 2400 to 2483.5 MHz.
3. The frequency range was scanned from 30 MHz to 25 GHz. All emissions not reported were more than 20dB below the specified limit.
4. See Attestation Statements for modular approval requirements.

EXHIBIT 4

Radiated Emissions, Spurious Case

Para. 15.209(a)

(Please see separate e-file attachments named:
integ spur.pdf, patch spur.pdf & whip spur.pdf)

EXHIBIT 4

Radiated Emissions, Fundamental & Harmonic

Para. 15.249(a)

(Please see separate e-file attachments named:
integ fund harm.pdf, patch fund harm.pdf & whip fund harm.pdf)

EXHIBIT 4

Occupied Bandwidth

Para. 15.249(c)

(Please see separate e-file attachment named CEdata.pdf)

EXHIBIT 4

Occupied Bandwidth

Para. 15.249(c)

(Please see separate e-file attachment named OccBw.pdf)

EQUIPMENT LIST

FCC Part 15, Subpart C, Paragraph 15.207 AC Line Conducted Emissions, 450 kHz to 30 MHz

EN	Type	Manufacturer	Description	Model No.	Cal Date	Due Date
076	LISN	Solar Electronics	10 kHz - 30 MHz	8012-50-R-24BNC	01/12/2000	01/12/2001
7016	EMC Analyzer	Hewlett Packard	9kHz - 1.8GHz	8591EM	02/18/2000	02/18/2001
7017	Transient Limiter	Hewlett Packard	9kHz - 200MHz	11947A	04/25/2000	04/25/2001