

|                 |                                                                                                                       |                 |               |                   |                   |                   |            |
|-----------------|-----------------------------------------------------------------------------------------------------------------------|-----------------|---------------|-------------------|-------------------|-------------------|------------|
| Test Method:    | FCC Part 15 Radiated Emissions, 30 Mhz to 25 Ghz paragraph 15.209                                                     |                 |               |                   |                   |                   |            |
| Customer:       | Symbol Technologies, Inc                                                                                              |                 |               |                   | Job No.           | R-8110-1          |            |
| Test Sample:    | 2.4 Ghz RF Transmitter                                                                                                |                 |               |                   | FCC ID:           | PL470             |            |
| Model No.:      | H9PPL470                                                                                                              |                 |               |                   | Serial No.        | N/A               |            |
| Operating Mode: | EUT continuously transmitting and receiving data with P470 and echoing to P.C., while charging battery on second P470 |                 |               |                   |                   |                   |            |
| Technician:     | Dennis Cortes                                                                                                         |                 |               |                   | Date:             | June 22,1999      |            |
| Notes:          | Test Distance: 3 Meters Temp:24C Humidity:33%<br>Detector: Quasi-Peak                                                 |                 |               |                   |                   |                   |            |
| Test Freq.      | Antenna Pol./Height                                                                                                   | EUT Orientation | Meter Reading | Correction Factor | Corrected Reading | Converted Reading | Peak Limit |
| Mhz             | (V/H) / Degrees                                                                                                       | Degrees         | dBuv          | dB                | dBuv/m            | uv/m              | uV/m       |
| 30.00           |                                                                                                                       |                 |               |                   |                   |                   | 100        |
|                 |                                                                                                                       |                 |               |                   |                   |                   |            |
| 34.2            | V-1.0                                                                                                                 | 248             | 27.3          | -2.5              | 24.8              | 17.4              |            |
| 37.2            | V-1.0                                                                                                                 | 203             | 28.4          | -4.0              | 24.4              | 16.6              |            |
| 57.5            | V-1.0                                                                                                                 | 203             | 49.3          | -10.0             | 39.3              | 92.3              |            |
| 67.3            | V-1.0                                                                                                                 | 113             | 39.4          | -11.0             | 28.4              | 26.3              |            |
| 73.5            | V-1.1                                                                                                                 | 203             | 35.0          | -11.2             | 23.8              | 15.5              |            |
| 83.2            | V-1.0                                                                                                                 | 203             | 30.6          | -11.0             | 19.6              | 9.5               |            |
|                 |                                                                                                                       |                 |               |                   |                   |                   |            |
| 88.0            |                                                                                                                       |                 |               |                   |                   |                   | 100        |
| 88.0            |                                                                                                                       |                 |               |                   |                   |                   | 150        |
|                 |                                                                                                                       |                 |               |                   |                   |                   |            |
| 116.0           | V-1.1                                                                                                                 | 045             | 28.3          | -10.6             | 17.7              | 7.7               |            |
| 122.4           | V-1.0                                                                                                                 | 248             | 32.0          | -10.6             | 21.4              | 11.7              |            |
| 126.2           | V-1.1                                                                                                                 | 203             | 32.3          | -10.5             | 21.8              | 12.3              |            |
| 130.7           | V-1.0                                                                                                                 | 203             | 30.7          | -10.5             | 20.2              | 10.2              |            |
| 142.4           | V-1.0                                                                                                                 | 203             | 40.6          | -10.0             | 30.6              | 33.9              |            |
| 148.7           | V-1.0                                                                                                                 | 225             | 39.3          | -9.8              | 29.5              | 29.9              |            |
| 173.8           | V-1.0                                                                                                                 | 180             | 40.8          | -8.8              | 32.0              | 39.8              |            |
| 180.0           | V-1.1                                                                                                                 | 158             | 46.1          | -8.6              | 37.5              | 75.0              |            |
| 192.2           | V-1.0                                                                                                                 | 203             | 44.5          | -8.3              | 36.2              | 64.6              |            |
| 223.2           | V-1.0                                                                                                                 | 203             | 39.2          | -7.2              | 32.0              | 39.8              |            |
|                 |                                                                                                                       |                 |               |                   |                   |                   |            |
| 230.0           |                                                                                                                       |                 |               |                   |                   |                   | 150        |
| 230.0           |                                                                                                                       |                 |               |                   |                   |                   | 200        |
|                 |                                                                                                                       |                 |               |                   |                   |                   |            |
| 247.0           | V-1.0                                                                                                                 | 158             | 42.3          | -6.3              | 36.0              | 63.1              |            |
| 266.0           | V-1.0                                                                                                                 | 023             | 35.4          | -5.9              | 29.5              | 29.9              |            |
| 333.0           | V-1.0                                                                                                                 | 135             | 35.9          | -3.1              | 32.8              | 43.7              |            |
| 400.0           | V-1.1                                                                                                                 | 158             | 40.6          | -1.9              | 38.7              | 86.1              |            |
|                 |                                                                                                                       |                 |               |                   |                   |                   |            |
| 960.0           | The EUT was scanned from 30 Mhz to 25 Ghz                                                                             |                 |               |                   |                   |                   | 200        |
| 960.0           | The emissions observed from the EUT do not exceed the specified limits.                                               |                 |               |                   |                   |                   | 500        |
|                 | Emissions not recorded were more than 10dB under the specified limit                                                  |                 |               |                   |                   |                   |            |
| V               |                                                                                                                       |                 |               |                   |                   |                   | V          |
| 25000.0         |                                                                                                                       |                 |               |                   |                   |                   | 500        |



**Retlif Testing Laboratories**

Retlif Job Number R-8110-1