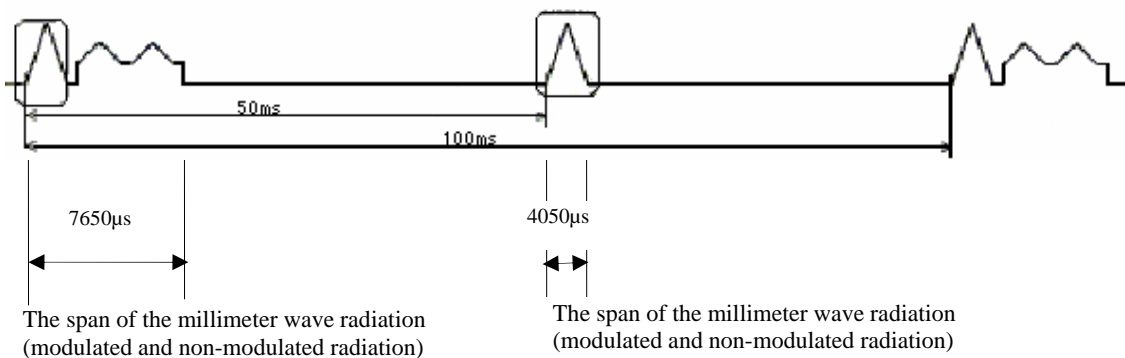


DENSO

The Duty Cycle



Millimeter Radar Sensor (DNMWR003)

As the output is switched on/off with 11.7 % duty cycle, we have a correction factor of -9.3 dB.

So the average result is 21.2 dBm = 0.132 Watt

Limit of maximum ERP for frequencies above 1.5 GHz is 3 W. See FCC § 2.1091 (EIRP = 4.91 Watt)

RF Exposure for mobile conditions at **R = 20 cm** distance from EUT

$$PD = EIRP / (4\pi * R^2)$$

$$PD = 0.026 \text{ mW/cm}^2$$

Limit of maximum permissible exposure (MPE) for uncontrolled environment: 1.0 mW/cm². See FCC § 1.1310.