

# Antenna Exhibit, Tag-M500, Tag-M501, Tag-M503

A chip antenna from Pulse Electronics is used for Tag-M50X with part number ANT3216A063R2400A. The antenna has a maximum gain of 1.69 dBi, as illustrated in Figure 1, extracted from the datasheet: <https://productfinder.pulseelectronics.com/api/open/part-attachments/datasheet/ANT3216A063R2400A> (2025-04-23). The referenced datasheet is version 1, dated 2020-11-20. The placement of the antenna and tuning components are shown in Figure 2.

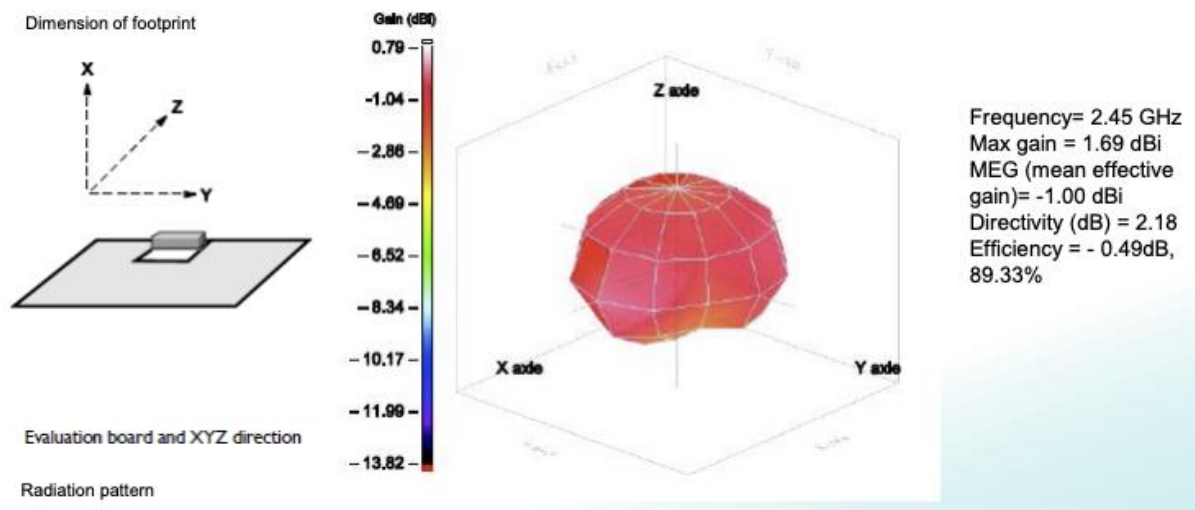


Figure 1: Extractions from the datasheet of ANT3216A063R2400A.

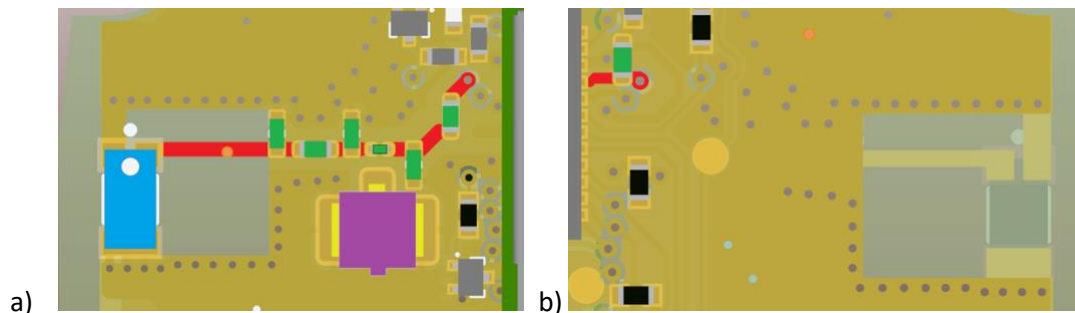


Figure 2: Details from the PBA where a) the chip antenna is colored blue and tuning components green. In b) the opposite side of the board is shown where also one tuning component is present.