

RF Exposure Compliance Requirement

1. LIMITS

According 447498 D01 General RF Exposure Guidance v05r01 Appendix A

SAR Test Exclusion Thresholds for 100 MHz– 6 GHz and ≤ 50 mm

Approximate SAR Test Exclusion Power Thresholds at Selected Frequencies and Test Separation Distances are illustrated in the following Table. The equation and threshold in section 4.3.1 must be applied to determine SAR test exclusion.

Frequency	Distance(mm)	SAR Test Exclusion Threshold
2450MHz	5	10mW(10dBm)

2. EUT RF Exposure

The Max Conducted Peak Output Power is 4.93dBm (3.11mW) in 2480MHz of GFSK;

The antenna gain of this antenna is 5dBi.

5dB logarithmic terms convert to numeric result is nearly 3.16.

$EIRP = P \times G = 3.11\text{mW} \times 3.16 = 9.83\text{ mW}$.

SAR requirement :S=10mw

$EIRP < S$

So the SAR report is not required.