

FCC EMF Compliance

9 March 2020

To whom it may concern

Poco is exempt from SAR evaluation as its output power meets the exclusion limits stated in FCC part 2.1093 and the general SAR test exclusion requirements detailed in KDB 447498 D01 V06, which states:

- a) For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR where

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

The device operates at 2402 to 2480 MHz and minimum separation distance is < 5 mm, so 5mm is used for the calculation.

Maximum rated power including tune-up = 0.25 mW

Calculation is:

$$\frac{0.25}{5} \times \sqrt{2.480} = 0.0787$$

=

0.0787 is less than 3.0, so no SAR is required

Sincerely



C F J Blackham
Director