

RF exposure information according to FCC CFR 47 part 15, §15.247(i), part 2, §2.1093 and RSS-102

The transceiver is classified as portable device operating in 2402-2480 MHz band. It is equipped with an integrated internal antenna.

The low threshold power is $60/f \text{ (GHz)} \text{ [mW]} = 60/2.44 \text{ [mW]} = 24.6 \text{ [mW]}$.

Tunable range, GHz		Center of tunable band, GHz	60/f SAR limitation, mW
Flow	Fhigh		
2402	2480	2442	24.6

Maximum measured transmitter power ("scala rider Q3", with PA):

Mode of operation	Pout conducted		Maximum antenna gain, dBi	Pout EIRP	
	dBm	mW		dBm	mW
FHSS	19.03	80	2	21.03	126.8

The product duty cycle is up to 5% (max).

Equivalent averaged conducted power is $80 \times 0.05 = 4 \text{ mW}$.

Equivalent averaged EIRP is $126.8 \times 0.05 = 6.34 \text{ mW}$.

The total transmitter's power is less than 24.6 mW.

Conclusion: No SAR evaluation is required since the maximum transmitter radiated power is below the FCC and RSS-102 threshold.