RF exposure calculation summary

Applicant:	Canary Medical USA LLC
FCC ID:	2AYAJ-WF1
FRN:	0030229884
Description:	Communication module
Model:	43-5570-001-15
Antenna gain:	3 dBi (2.4 GHz), 4 dBi (5 GHz)

Calculation Result of Maximum Conducted Power

Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm²)	Limit (mW/cm²)
WLAN 2412~2462	21.21	3.0	20	0.052	1.000
WLAN 5180~5240	12.07	4.0	20	0.008	1.000
WLAN 5260~5320	11.97	4.0	20	0.008	1.000
WLAN 5500~5720	12.12	4.0	20	0.008	1.000
WLAN 5745~5825	11.91	4.0	20	0.008	1.000

* The 2.4 GHz and 5 GHz cannot transmit simultaneously.
Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

MPE Calculation Formula

$P_d = (P_{out} \times G) / (4 \times pi \times r^2)$

Where:

P_d = power density in mW/cm^2
P_{out} = output power to antenna in mW
G = gain of antenna in linear scale
pi = 3.1416
r = distance between observation point and center of the radiator in cm