Test report cover sheet - MPE

1. Declaration of RF exposure MPE calculations

FCC ID:	2AYAJ-BS1
Model number:	BS1
Manufacturer:	Canary Medical

2. Attestation

ATTESTATION: I attest that the testing was performed or supervised by me; that the test measurements were made in accordance with the above-mentioned departmental standard(s), and that the radio equipment identified in this application has been subject to all applicable test conditions specified in the departmental standards and all of the requirements of the standards have been met.

Signature:	
Date:	January 11, 2021
Name:	Martha Espinoza

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = \frac{PG}{4\pi R^2}$$

where:
S = power density
P = power input to the antenna
G = power gain of the antenna in the direction of interest relative to an isotropic radiator
R = distance to the center of radiation of the antenna

	Radio 1 2.4 GHz	Radio 2 403 MHz	
Maximum peak output power at device output terminal:	15.88	-23.4	dBm
Cable and Jumper loss:	0	0	dB
Maximum peak output power at antenna input terminal:	15.88	-23.4	dBm
	38.7257645	0.004570882	mW
Single Antenna gain (typical):	0	0	dBi
Number of Antennae:	1	1	
Total Antenna gain (typical):	0	0	dBi
	1	1	(numeric)
Prediction distance:	20	20	cm
Prediction frequency:	2429.963	402.095	MHz
MPE limit for uncontrolled exposure at prediction frequency:	1	0.268063333	mW/cm²
Power density at prediction frequency:	0.00770425	9.09348E-07	mW/cm²
	0.07704246	9.09348E-06	W/m²
Tx On time:	1	1	ms
Tx period time:	1	1	ms
Average Factor:	100	100	%
Average Power density at prediction frequency:	0.07704246	9.09348E-06	W/m²
Maximum allowable antenna gain:	21.1326986	54.69507269	dBi
	21.1326986	54.69507269	dB

Margin of Compliance:

	Radio 1		Radio 2			
Radio 1 + Radio 2	0.00770	+	0.0000034	=	0.00771	<1.0