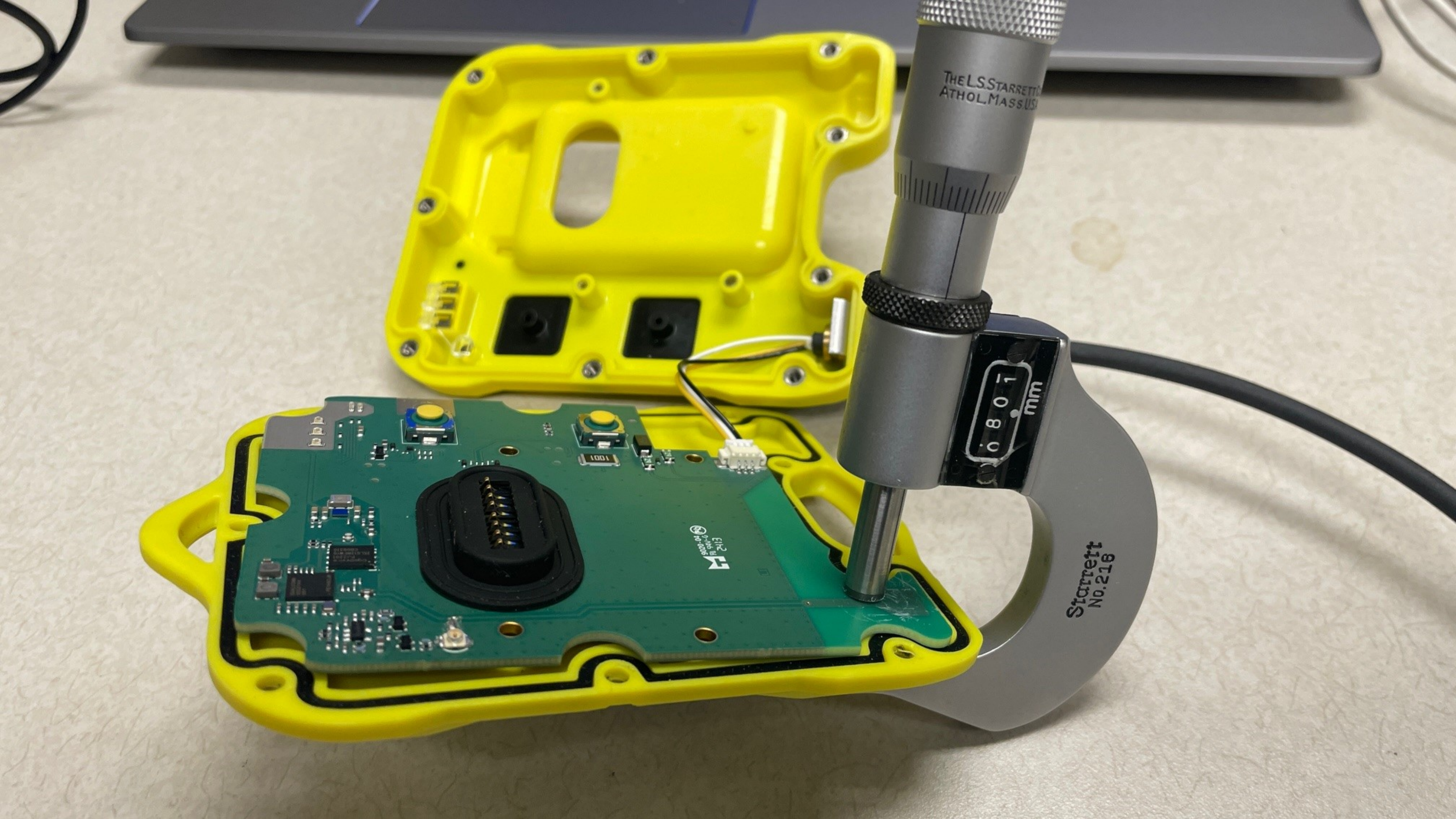




4.8	RF Exposure Evaluation		
Reference Standard(s):	☒ KDB 447498 RF Exposure Guidance v06 ☐ KDB 447498 Interim RF Exposure Guidance v01 ☒ RSS 102, Issue 5 ☐	☐ MPE ☐ SAR Evaluation ☒ SAR Test Exclusion	
Frequency Range(s):	☐ 911-918.5MHz ☒ 2402-2480.0MHz ☐		
Antenna Separation Distance:	>40mm		
RF Exposure Conditions:	Portable (Body-worn)		
2.4GHz Antenna Gain:	2.7dBi		
BT EDR the source-based conducted output power:	3.0mW(4.8dBm)*0.7(FHSS worst case duty cycle)= 2.1mW(3.2dBm)		
BT EDR EIRP/ERP output power:	EIRP=3.2dBm + 2.7dBi=5.9dBm, ERP=5.9dBm - 2.15dB=3.75dBm(2.4mW)		
BLE the source-based conducted output power:	1.3mW(1dBm)*0.85(worst case duty cycle)=1.1mW(0.4dBm)		
BLE EIRP/ERP output power:	EIRP=0.4dBm + 2.7dBi=3.1dBm, ERP=3.1dBm - 2.15dB= 0.95dBm(1.2mW)		
The SAR Exclusion Threshold Level			
FCC Part 2.1093	77mW<40mm @2.45GHz		
RSS 102, Issue 5	173mW>40mm @2.45GHz		
Note:			



THE L.S. STARRETT CO.
ATHOL, MASS. U.S.A.

0.801
mm

Starrett
No. 216

ET-12
0.0001 in
0.0025 mm