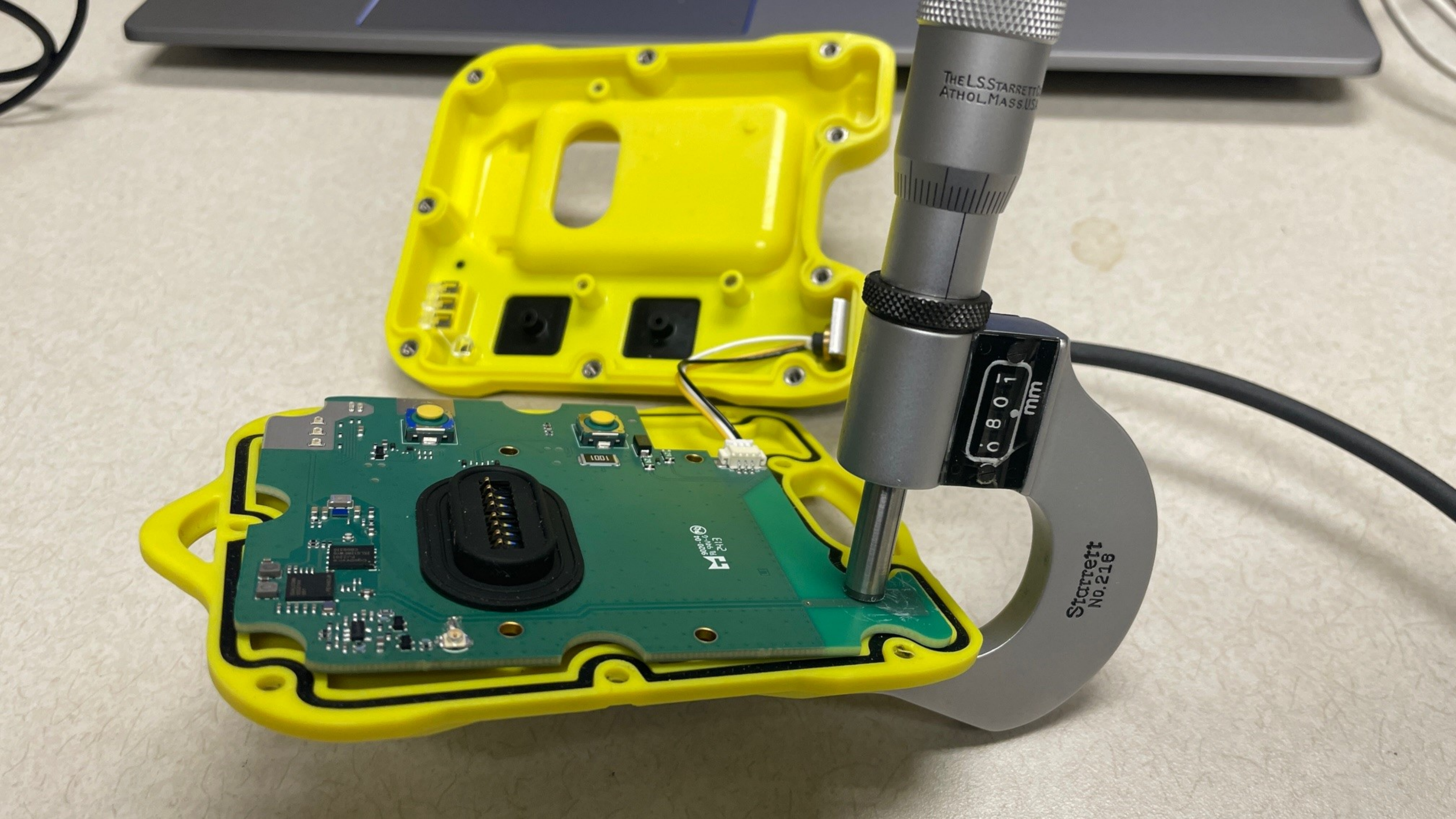




4.8	RF Exposure Evaluation	
Reference Standard(s):	☒ KDB 447498 RF Exposure Guidance v06 ☐ KDB 447498 Interim RF Exposure Guidance v01 ☒ RSS 102, Issue 5 ☐	☐ MPE ☐ SAR Evaluation ☒ SAR Test Exclusion
Frequency Range(s):	☐ 911-918.5MHz ☒ 2402-2480.0MHz ☐	
Antenna Separation Distance:	>40mm	
RF Exposure 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:



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