RF Exposure Evaluation

FCC ID: 2APJG-CK01

1. Client Information

Applicant	:	Tronicc Technologies
Address	:	18584 Budge, Pierrefonds, QC, Canada
Manufacturer	:	Tronicc Technologies
Address	:	18584 Budge, Pierrefonds, QC, Canada

2. General Description of EUT

EUT Name	:	CareKii	
Models No.	:	CK01	
Model Difference	:	N/A	
Product Description	:	Operation Frequency:	Bluetooth 4.2: 2402MHz~2480MHz
		Modulation Type:	BLE: GFSK
		Antenna Gain:	0.5dBi PCB Antenna
Power Rating		DC 3.7V 90mAh by Li-ion battery	
Software Version		N/A	
Hardware Version		N/A	
Connecting I/O Port(S)		Please refer to the User's Manual	
Remark		The antenna gain provided by the applicant, the verified for the RF conduction test provided by TOBY test lab.	

Note: More test information about the EUT please refer the RF Test Report.

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SAR Test Exclusion Calculations

1. **FCC: According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v06.**
   (1) Clause 4.3: General SAR test reduction and exclusion guidance
   Sub clause 4.31: Standalone SAR test exclusion considerations
   1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6GHz at test separation distance≤5 mm are determined by:
   [(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]*[$\sqrt{f_{(GHz)}}$] ≤3.0 for 1-g SAR
   [(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]*[$\sqrt{f_{(GHz)}}$] ≤7.5.0 for 10-g SAR

2 Calculation:

Test separation: 5mm						
BLE Mode (GFSK)						
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (dbm)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	-0.446	0±1	1	1.259	0.390	**3.0**
2.442	-0.196	0±1	1	1.259	0.393	**3.0**
2.480	-0.162	0±1	1	1.259	0.397	**3.0**

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 v06.

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