RF Exposure Evaluation

FCC ID: 2APAH-MEBOOK

1. Client Information

Applicant : Maxeye Smart Technologies Co., Limited

Address : 3F, Chuangxingda Commerical Center, Bao'an District, Shenzhen, China

Manufacturer : Maxeye Smart Technologies Co., Limited

Address : 3F, Chuangxingda Commerical Center, Bao'an District, Shenzhen, China

2. General Description of EUT

EUT Name	:	MEBOOK 1.0	
Models No.	:	MEBOOK 1.0	
Product Description	:	Operation Frequency:	Bluetooth V4.2(BLE): 2402~2480 MHz
		RF Output Power:	BLE:2.737dBm
		Antenna Gain:	4.39dBi PCB Antenna
Power Supply	:	DC Voltage supplied by USB Cable DC Voltage supplied by Li-ion battery	
Power Rating	:	DC 5V by USB Cable DC 3.7V by 800mAh Li-ion battery	
Connecting I/O Port(S)	:	Please refer to the User's Manual	

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	2.737	2±1	3	1.995	0.618	**3.0**
2.442	2.416	2±1	3	1.995	0.623	**3.0**
2.480	1.962	2±1	3	1.995	0.628	**3.0**

So standalone SAR measurements are not required.

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