RF Exposure Evaluation

FCC ID: 2ARUI-3556

1. Client Information

Applicant	:	American Exchange Time LLC
Address	:	No.1441 Broadway 27th Floor, New York, NY 10018
Manufacturer	:	Shenzhen KY Technology Co., Ltd
Address	:	No.369, BaoTian 1st RD, TieGang Industrial Park, Xixiang Town, Baoan District, ShenZhen, PRC.China.

2. General Description of EUT

EUT Name	:	Q7 sport	
Models No.	:	3556, 3557, 3635	
Model Different	:	All models are in the same PCB layout interior structure and electrical circuits, The only difference is model name.	
Product Description	:	Operation Frequency:	Bluetooth V4.0: 2402MHz~2480MHz
		RF Output Power:	BLE:-2.810dBm (Max)
		Antenna Gain:	1dBi PCB Antenna
Power Supply	:	DC Voltage Supply from USB Port. DC Supply by the Li-ion Battery.	
Power Rating	:	DC 5.0 V from the USB Cable. DC 3.7V by 150mAh Li-ion Battery.	
Software Version	:	V2402	
Hardware Version	:	V1.2	
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	-2.905	-3±1	-2	0.631	0.196	**3.0**
2.442	-2.810	-3±1	-2	0.631	0.197	**3.0**
2.480	-3.118	-3±1	-2	0.631	0.199	**3.0**

So standalone SAR measurements are not required.

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