

# ***RF Exposure Report***

## ***FCC ID: 2AMEITH02-12***

### **1. GENERAL INFORMATION**

#### **1.1 GENERAL DESCRIPTION OF EUT**

<b>Equipment</b>	Wireless remote
<b>Model Name</b>	TH02-12
<b>Additional Model Number(s)</b>	TH02-07
<b>Model Difference</b>	All these models are identical in the same PCB layout and electrical circuit, the only difference is model name for commercial.
<b>Frequency Range</b>	2.4G: 2402~2480 MHz
<b>Number of Channel:</b>	79 Channels
<b>Modulation Type</b>	GFSK
<b>RF Output Power</b>	1.056 dBm
<b>Antenna Type</b>	PCB Antenna (Gain: 0dBi)
<b>Power Source</b>	DC power by AAA Battery.
<b>Power Rating</b>	DC 3*1.5V by AAA Battery.
<b>Remark</b>	More details EUT technical specifications, please refer to the User's Manual.

**2. RF EXPOSURE INFORMATION**

**SAR Test Exclusion Calculations**

**2.1 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  $\leq 5$  mm are determined by:**

**$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})] * [\sqrt{f_{\text{(GHz)}}}] \leq 3.0$  for 1-g SAR**

**$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})] * [\sqrt{f_{\text{(GHz)}}}] \leq 7.5.0$  for 10-g SAR**

**2.2**

**Calculation:**

2.4G TX Mode						
GFSK(1Mbps)						
Frequency (MHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	MAX Power of Turn-up Tolerance (dbm)	MAX Power of Turn-up Tolerance (mW)	Calculation Value	Threshold Value
2402	1.056	1 ± 1	2	1.585	0.491	3.0
2441	0.787	1 ± 1	2	1.585	0.495	3.0
2480	0.866	1 ± 1	2	1.585	0.499	3.0

**So standalone SAR measurements are not required.**

**\*\*\*\*\*END OF REPORT\*\*\*\*\***