

## Justification statement for Antenna

To: Federal Communication Commission  
Equipment Authorization Branch  
7435 Oakland Mills Road  
Columbia, MID 21046

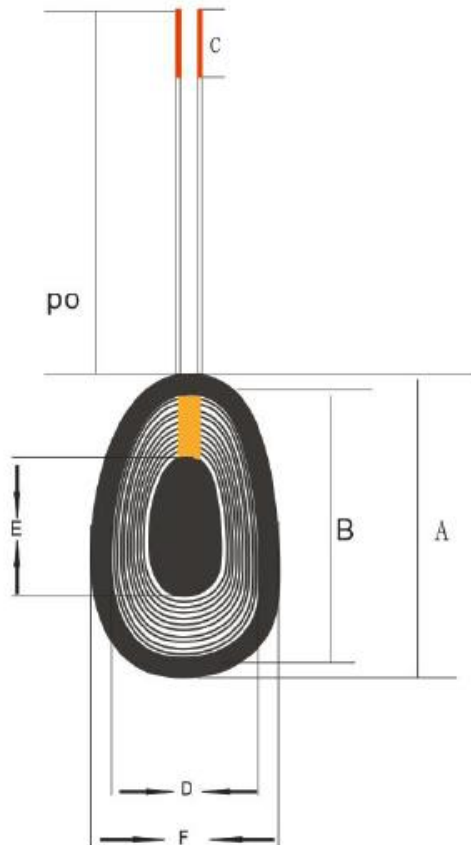
**Regarding:** FCC ID: 2AHAS-XWC81044

Dear Sir/Madam,

Only radiated measurements are used for EUT with FCC ID: 2AHAS-XWC81044 to show compliance with FCC limits for fundamental and spurious emissions. All measurements were performed radiated and therefore additional antenna gain documentation is not required.

The detailed information for antenna as below shows:

Design Specifications	Typical
Antenna Type	Loop Antenna
Working Frequency	113.6kHz to 159.4kHz



CUST P/N:

A  $58 \pm 1$   
B  $55 \pm 1$   
C  $4 \pm 1$   
D  $34.6 \pm 2$   
E  $40 \pm 0.5$   
F  $37 \pm 1$   
PO  $90 \pm 2$

Note:

1. The coil is attached with a magnetic sheet, the thickness of the magnetic sheet is 0.8
2. Wrap 8mm(ref) wide wire coil at the wire outlet position.  
High-temperature adhesive paper 1-2Ts.
3. The front and back side of the magnet sheet is attached with an oval-shaped diameter of 37\*57 ordinary irregular double-sided tape.  
37 \* 57 ordinary irregular double-sided tape
4. The red part is tinned with a length of 3-5mm.