



## **TSUEN SHING ENTERPRISES LIMITED**

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**To: HKSTC**

**FR: Tsuen Shing Enterprises Ltd.**

### **BUM Wrist Gauntlet (66446)**

#### **circuit description**

1: OSC(Q5) circuit is the oscillator circuit, the components including Q5 , T1 , C17 ,

C18 , C19 , X1 , R8,R12 , R13 .

2 : MOD circuit is the modulation circuit , the components including Q5 , T1 , C17 , C18 ,

C19 , X1 , R8,R12 , R13 , R14 , C15 , C14.

3:Det(Q1,Q2)circuit are the high frequency amplification and detection circuits,the components including Q1,Q2 , T2,C4,C7 , C5 , C6 , C3,R3,R6,R5,R3,R2.

4:AF AMF(Q3,Q4) circuit is the low frequency amplifier circuit, the components including Q3,Q4,B1,C11,C13,R9,R10.

5 : SP change the electronic signal into audio signal.

6 : MIC pick up the audio signal and chang it into electronic signal.

#### **Confirmation of Bandwith Control of Circuitry**

The frequency response of this circuit's MIC is from 20kHz to 200kHz.

The frequency response' range of the AF AMF(Q3,Q4) circuit is 22Hz~21KHz,so the modulation of the transmit do not beyond 200KHz.