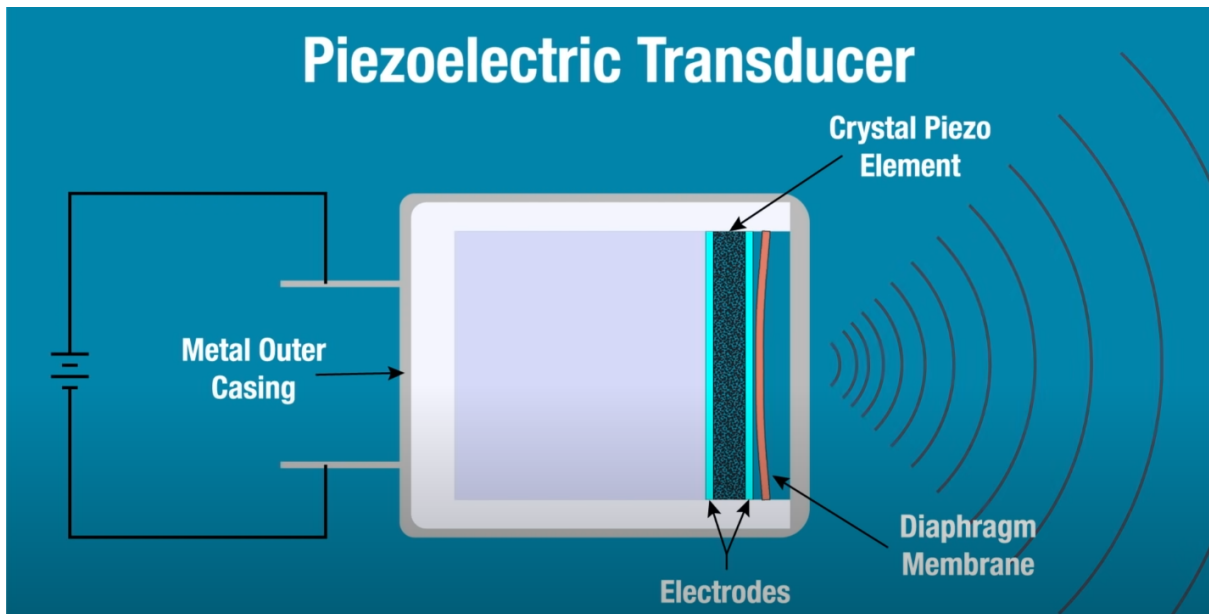
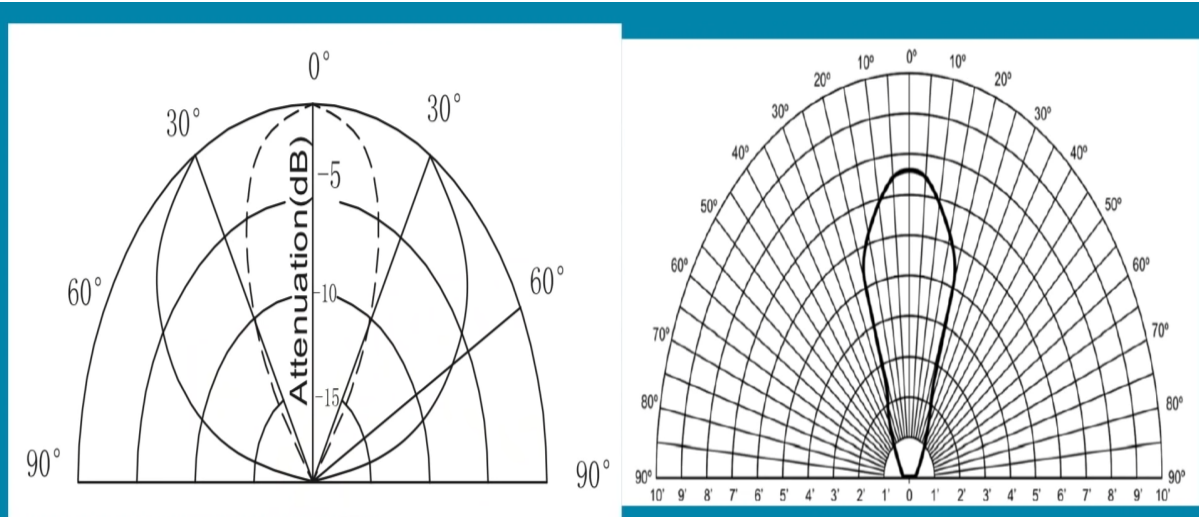
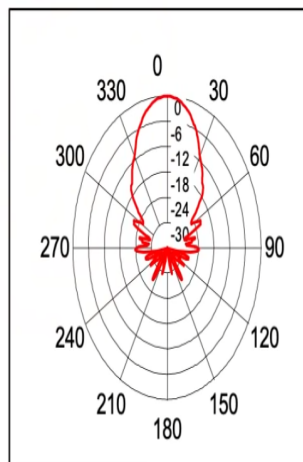


WORKING





Beam Angle: Tested at 50.0Khz frequency



```
distance.py x
4 import time
5 TRIG = 21
6 ECHO = 20
7 GPIO.setmode(GPIO.BCM)
8 while True:
9     print("distance measurement in progress")
10    GPIO.setup(TRIG,GPIO.OUT)
11    GPIO.setup(ECHO,GPIO.IN)
12    GPIO.output(TRIG,False)
13    print("waiting for sensor to settle")
14    time.sleep(0.2)
15    GPIO.output(TRIG,True)
16    time.sleep(0.00001)
17    GPIO.output(TRIG,False)
18    while GPIO.input(ECHO) == 0:
19        pulse_start = time.time()
20    while GPIO.input(ECHO) == 1:
21        pulse_end = time.time()
22        pulse_duration = pulse_end-pulse_start
23        distance = pulse_duration*17150
24        distance = round(distance, 2)
25        print("Distance to object is: ", distance, "centimeters")
26        os.system("echo 'Distance to object is " + distance + " centimeters' | festival --tts")
27        time.sleep(5)
```