

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transmitter for a fart attack machine. The sample supplied operated on a single channel, at 2420MHz.

The EUT is powered by 1 x 1.5V AAA battery. The receiver has 2 modes, the "DEMO" mode and the on mode. For the "DEMO" mode, after switching on the receiver, different sound will be emitted from the receiver based on the button pressed in the receiver. For the on mode, it has all the function that the "DEMO" mode has. Different sound will also be emitted from the receiver based on the button pressed in the controller.

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 92.6dB μ V/m at 3m (Peak), 55.8dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (NS103) acts as MCU
2. X1 acts as 16MHz Oscillator
3. C1, C2, C3 and R1 act as antenna matching circuit
4. U2 (AX2L) acts as voltage regulator.