

The EUT is a True Wireless Bluetooth Headphones, which consist of a Charging case, a left earbud and a right earbud, both the left and right earbuds support Bluetooth dual mode function used for audio entertainment in house or similar environment.

Technical Specification of Classical Bluetooth	
Bluetooth Core Version	Bluetooth 5.3
Operating Frequency band	2402 ~ 2480 MHz
Channel Number	79 channels
Channel separation	1MHz
Modulation	GFSK, $\pi/4$ DQPSK, 8DPSK
Antenna Type	PIFA LDS antenna
Antenna Gain	-0.37 dBi for left earbud -0.04 dBi for right earbud
Technical Specification of Bluetooth Low Energy	
Bluetooth Core Version	Bluetooth 5.3
Operating Frequency band	2402 ~ 2480 MHz
Channel Number	40 channels
Channel separation	2MHz
Data rate	1Mbps, 2Mbps
Modulation	GFSK
Antenna Type	PIFA LDS antenna
Antenna Gain	-0.37 dBi for left earbud -0.04 dBi for right earbud

For Bluetooth chipset:

BES2600Z is an ultra-low power and highly integrated Bluetooth audio SoC, which features a high-performance dual-core STAR-MC1 CPU subsystem and a sensor hub subsystem. This combination dramatically reduces power consumption while enabling abundant application processing capabilities.

The platform integrates a dual-mode BT 5.3 subsystem to support BT classic and LE audio, and also integrates a codec subsystem to support always-on voice assistants and audio applications. BES2600Z improves RF performance for TWS applications by using the IBRT technology, which is the BES-patented sniffing technology with the FEC (forward error correction) function.