

- **5.8GHz Transmitter:**

The signals of Stereo audio (right audio channel & left audio channel) are translated to 6.0 and 6.5 MHz respectively by FM modulation. In the meantime the stereo audio will combine with video signal together. The combination signal is translated to 5.8GHz signal simultaneously by Frequency Modulation. The transmitting channel of the combination signal has 4 channels. CPU data clock can choose one of 4 channels by PLL control.

- **5.8GHz Receiver:**

When receiving the signal of 5.8GHz audio/video from transmitter, the signal is translated to 479.5 MHz IF signal by mixer. The IF signal is translated to baseband signal by demodulation and the baseband signal is split into the individual signal of video and stereo audio. The receiving channel of the 5.8GHz audio/video signal has 4 channels. CPU data clock can choose one of 4 channels by PLL control.

- **UHF transmitter/IR receiver**

When receiving IR signal from remote controller, the IR signal is translated into UHF signal. The UHF signal is transmitted.

- **UHF receiver/IR transmitter**

When receiving UHF signal, the UHF signal is returned the original IR signal. The IR signal may control the function of audio/video equipment on the side of 5.8GHz Transmitter so that the end user can watch audio/video program on the side of 5.8GHz Receiver.