

Operational Description (WCR-100U)

WCR-100U (EUT) is a TV broadcast receiver without a monitor. It is fixed inside the vehicle and powered 12V from car battery. It is available to transmit audio signal on AV mode only. It is designed to operate on frequency in the 88.1 - 89.5 MHz rang.

The u-com in the EUT tune the OSD frequency to the car stereo select by using + CH- button. The selected frequency varies as voltage and the voltage inputs to the OSC port of FM stereo transmitter IC (BA1404F). The stereo audio signal is modulated the selected frequency and the modulated RF is amplified by FM stereo transmitter IC (BA1404F). The amplified RF is transmitted via transmitting antenna

All tuning and verification are performed by the manufacturer and there are adjustments which can be made by the user within the 88.1 - 89.5 MHz rang. External ground is the chassis of vehicle and transmitting antenna is fixed on unique connector of the transmitter.

** FM-TX PART Operational Description

