

## Technical Description

The equipment under test (EUT) is a Car Audio with Bluetooth. The EUT will operate in the Car and is powered by DC 12V vehicle battery. For more detail information pls. refer to the user manual.

### Channel List

2402	2403	2404	2405	2406	2407	2408	2409	2410
2411	2412	2413	2414	2415	2416	2417	2418	2419
2420	2421	2422	2423	2424	2425	2426	2427	2428
2429	2430	2431	2432	2433	2434	2435	2436	2437
2438	2439	2440	2441	2442	2443	2444	2445	2446
2447	2448	2449	2450	2451	2452	2453	2454	2455
2456	2457	2458	2459	2460	2461	2462	2463	2464
2465	2466	2467	2468	2469	2470	2471	2472	2473
2474	2475	2476	2477	2478	2479	2480		

**Modulation Type: GFSK**

**Bluetooth Version: 3.0 disable the EDR function**

**Antenna Type: integral antenna (Reverse F type)**

**Antenna Gain: 3dBi**

**The nominal radiated output power specified: -7 dBm (tolerance: +/- 4dB)**

**The function of main IC are mentioned as below.**

- 1) CN501 acts as Bluetooth Module.
- 2) IC315 acts as Power regulator.
- 3) IC101 act as LCD driver.
- 4) X401 acts as 8MHz OSC for MCU.
- 5) IC201 acts as Power Amp.
- 6) IC401 acts as MCU.
- 7) IC402 acts as MCU RESET.
- 8) IC316 acts as KB LAMP Charger.
- 9) IC2 acts as AUDIO PROCESSOR.
- 10) IC801 acts as TUNER.
- 11) X801 acts as 32.768KHz OSC for IC801.
- 12) IC802 acts as TUNER charger.
- 13) IC803 acts as AUDIO PRE-AMP.

**In Bluetooth Module (CN501):**

- 1) U1 acts as Power regulator.
- 2) U2 (MC56-YG1) acts as Bluetooth module
- 3) U6 act as BT Audio Amp.

**Bluetooth Module on CN501 (U2 MC56-YG1):**

- 1) U1 acts as Bluetooth Chip.
- 2) U4 acts as band pass filter.
- 3) U5 acts as Flash.
- 4) U6 acts as OSC for U1.