

## Technical Description

The equipment under test (EUT) is TV Soundbar with Bluetooth function.

The EUT was power by AC 110-120 V/60Hz .

For more details 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:** Π/4DQPSK, 8DPSK, GFSK

**Bluetooth Version:** 3.0

**Antenna Type:** Integral antenna

**Antenna Gain:** 2dBi

**The nominal radiated output power (e.i.r.p) specified:** 3dBm ( Tolerance: +/- 4dB)

The function of main IC is mentioned as below.

- 1) U201 acts as Touchkey IC. (Touthkey board)
- 2) U201 acts as OP IC. (Main board)
- 3) U202 acts as NAND IC.
- 4) U203 acts as Switch IC.
- 5) U204 acts as S/Pdif decoder IC
- 6) U205 acts as Audio Processor IC
- 7) U206 acts as Power amplifier IC
- 8) U207 acts as MCU IC.
- 9) U208 acts as EEPROM IC
- 10) U209 acts as LDO IC
- 11) U210 acts as LDO IC
- 12) U211 acts as Reset IC.
- 13) Y201 is a 12.288MHz oscillator
- 14) U801 acts as MCU IC.
- 15) U803 acts as FLASH IC
- 16) Y801 is a 32.768KHz oscillator

In Bluetooth Module:

- 1) U5 acts as Bluetooth Chip.
- 2) Y1 is a 26MHz oscillator for Bluetooth Chip.