Technical Description

The equipment under test (EUT) is a 6.0 SOUNDBAR with Bluetooth function. The EUT will operate from external power adapter. 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, π/4-DQPSK，8-DPSK
Bluetooth Version:　2.1 with EDR function
Antenna Type: Integral antenna
Antenna Gain: 0dBi
The nominal radiated output power (e.i.r.p) specified: 2dBm (Tolerance: +/- 3dB)
The nominal conducted output power specified: 2dBm (Tolerance: +/- 3dB)

The function of main IC is mentioned as below.

1) IC1 acts as digital audio interface receiver
2) IC2 acts as D/A Converter
3) IC3 acts as LDO.
4) IC4 acts as DC to DC.
5) U1-A acts as differential amplifier
6) U1-B acts as differential amplifier
7) U2 acts as 3D Sound Processor
8) U3 acts as Flash Memory
9) U4 acts as LDO
10) U5 acts as EMI REDUCTION
11) U6 acts as Audio Enhancing Engine and CODEC Decoding
12) U7 acts as Audio Processor
13) U8 acts as RESET
14) U9 acts as POWER AMP
15) U10 acts as MCU
16) U11 acts as RESET
17) U12-A acts as differential amplifier
18) U12-B acts as differential amplifier
19) U13-A acts as differential amplifier
20) U13-B acts as differential amplifier

21) U14 acts as LDO
22) U15 acts as POWER AMP
23) U16-A acts as BUFFER
24) U16-B acts as BUFFER
25) U16-C acts as BUFFER
26) U16-D acts as BUFFER
27) U17 acts as LDO.
28) U18 acts as LDO
29) U19 acts as LDO.
30) U20 acts as RESET
31) U300 acts as Touch Key MCU
32) U600 acts as LED DRIVER
33) BL501 acts as Bluetooth module

In Bluetooth Module:

1) U1 acts as Bluetooth chip.
2) Y1 is a 26MHz oscillator for Bluetooth chip.
3) U3 acts as EEPROM.
4) U2 is a filter.