

From: Roland Gubisch Intertek
Sent: Thursday, June 05, 2008 1:08 PM
To: Wakeyou Wang Intertek
Cc: Terre Wolak Intertek
Subject: RE: Klipsch FCC and IC certification applications

Dear Wakeyou,

Thank you for this response. I see that the preamplifiers are also listed in the test reports you submitted.

Best wishes,
Roland

Roland W. Gubisch
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From: Wakeyou Wang Intertek
Sent: Wednesday, June 04, 2008 9:23 PM
To: Roland Gubisch Intertek
Cc: Terre Wolak Intertek
Subject: RE: Klipsch FCC and IC certification applications

Dear Roland:

Thanks you for your reply.

As I indicated in clause 6.3 of report, while testing for spurious emission higher than 1GHz, the pre-amplifier with 30dB gain is equipped just at the output terminal of the antenna. Two preamplifiers were used--- "Pre-amp 18" for lower than 18GHz and "Pre-amp 40" for 18GHz ~ 25GHz.

Pre-amplifier	Pre-amp 18	R&S	EC 3222	2007-6-30	2008-6-29
Pre-amplifier	Pre-amp 40	Beijing Radio 2	-	2008-3-4	2009-3-3

Best wishes

Wakeyou Wang
Intertek Shanghai
EMC Dep.
Tel: 86 21 61278448
Fax: 86 21 54262335 448

From: Wakeyou Wang Intertek
Sent: Tuesday, June 03, 2008 8:35 AM
To: Roland Gubisch Intertek
Subject: RE: Klipsch FCC and IC certification applications

Attachments: report_subwoofer.pdf; Internal picture_subwoofer.pdf; Internal picture_DVD.pdf; report_DVD.pdf

Dear Roland:

Thank you!
I give the comment below.

Best wishes

Wakeyou Wang
Intertek Shanghai
EMC Dep.
Tel: 86 21 61278448
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From: Roland Gubisch Intertek
Sent: 2008年5月30日 23:35
To: Wakeyou Wang Intertek
Cc: Terre Wolak Intertek
Subject: Klipsch FCC and IC certification applications

Dear Wakeyou,

Review of these applications is complete, and the following points are noted:

Klipsch DVD Player FCC ID: STI-CS700 and IC: 5788A-CS700

1. Administrative

1. The device appears to contain 4 printed circuit boards. The **internal photo exhibit must contain a photo of each side of every PC board**, and some photos are missing. Also, some of the existing photos are not clear and should be re-taken.

I offer new internal photos here.

2. A "non-standard" 2.4 GHz antenna connector is shown in a fuzzy photo, but the type of connector is not defined. **Please indicate the specific type of non-standard 2.4 GHz antenna connector.**

The connector is reverse-SMA type and was added in the report.

2. Technical

1. Plots showing compliance with the 20 dB spurious attenuation requirements of 15.247(d) and RSS-210 A8.5 only extend to 2.5 GHz. According to 15.33(a)(1), the spectrum shall be investigated up to the 10th harmonic of the highest fundamental frequency, or 25 GHz for this device. (RSS-Gen clause 4.9 requires testing to the 5th harmonic or 12.5 GHz). A test setup photo is labeled "18-25

GHz" but there is no plot or data up to either 12.5 or 25 GHz. **Please provide plots showing compliance to 15.247(d) up to 25 GHz.**

Yeah, the test is till to 25GHz, but all other plots are submerged in floor noise and as a result only fundamental and harmonics are listed. I have added the explanation in the report just under the data table.

Klipsch Subwoofer FCC ID: STI-CS700SUB and IC: 5788A-CS700SUB

1. Administrative

1. The device appears to contain 3 printed circuit boards. The **internal photo exhibit must contain a photo of each side of every PC board**, and some photos are missing. One PC board contains a shield; **a clear photo of this PCB must be provided with the shield in place and removed.**

I offer new internal photos here.

2. Technical

1. Plots showing compliance with the 20 dB spurious attenuation requirements of 15.247(d) and RSS-210 A8.5 only extend to 2.5 GHz. According to 15.33(a)(1), the spectrum shall be investigated up to the 10th harmonic of the highest fundamental frequency, or 25 GHz for this device. RSS-Gen clause 4.9 requires testing to the 5th harmonic or 12.5 GHz. A test setup photo is labeled "18-25 GHz" but there is no plot or data up to either 12.5 or 25 GHz. **Please provide plots showing compliance to 15.247(d) up to 25 GHz.**

The test is till to 25GHz, but all other plots are submerged in floor noise and as a result only fundamental and harmonics are listed. I have added the explanation in the report just under the data table.

2. Data plots on pages 12, 14 and 16 indicate that **a QP detector was used above 1 GHz**. Above 1 GHz, the FCC and IC rules specify that only peak and average detectors are used. Please explain.

I didn't find unsuitable QP detector was employed in pages 12, 14 and 16. Page 12 is spurious data for less than 1GHz while Page 14 and Page 16 are for restrict-band emission and AV detector is employed.

Certification can proceed as soon as these points are addressed.

Thank you,
Roland
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