

Subject: RE: Review of Jada Toys Co., Ltd. FCC ID: PWYJT27TX87000
From: "Electrical EMC" <ELEEMC@cmatcl.com>
To: "Timothy R. Johnson" <tjohnson@AmericanTCB.com>
Cc: "Electrical EMC" <ELEEMC@cmatcl.com>

<<Channels Explain.pdf>>

Dear Timothy,

Below is the additional information about the application:

1) The try-me cable appears to attach to J4 or JID, but this does not appear in the schematics. Please explain or correct as necessary.

The correct part name for try-me cable connector is J1, which is already shown in the schematic.

2) Please explain what happens with the try-me cable and how the TX functions or affected with this attached. For instance, does it TX with this cable attached, or does this disable the TX from functioning. If the device can TX with the cable attached, then the device configurations should have checked this configuration as well for worse case. Please explain.

The try-me cable will disable the TX from normal functioning.

3) This device mentions different channels and bands from the use of a 3 position switch, but then the test report states that all 3 positions use the same frequency. The manual also mentions up to 3 TX's can be used without interference to each other by using this switch. Typically remotes that operate on the same carrier frequency do cause interference to each other and can not work together easily. Additionally, additionally most of these types of TX's with bands or channels typically refers to new TX carrier frequencies so as up to 3 can operate at the same time without interference problems. It is very unusual that all of these would be the same channel frequency and also work together with others. Please verify with the manufacturer the carrier frequencies for all 3 positions of the switch. Maybe a test showing the fundamental frequency for each switch position would be considered necessary. Please note that if different channel frequencies are seen, this may require additional testing especially to ensure all 3 channels stay inband. Please review/retest/explain as necessary.

Yes, those channels are work in the same carrier frequency (27.145MHz) but with different coding for different channel,

(Attached a pdf in Time Domain plot for these 3 channels for reference). So, the receiver need to switch to corresponding channel

for matching the coding, otherwise it will not work for wrong channel matching.

Usually, most Tx can only work in the same time for different carrier frequency. But for this product it can work together with same carrier, as it

has a constraint that those Tx must be Jada's multi-channel product.

It do has an interference when other players are using non-multi Channel Tx at this carrier frequency.

Regards,

Tommy

-----Original Message-----

From: Timothy R. Johnson [<mailto:tjohnson@AmericanTCB.com>]

Sent: Saturday, July 23, 2005 01:10

To: Danny Chui; Electrical EMC

Subject: Review of Jada Toys Co., Ltd. FCC ID: PWYJT27TX87000

Tommy/Danny,

Attached are the comments regarding this application. Please provide a response as soon as you can.

Thank You,

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