

From: alan_lane@adt.com.tw
Subject: =?big5?B?pl6rSKFHIEZDQyBJRDogIFBBTkJUMDAzMEg=?=
To: "Timothy R. Johnson" <tjohnson@AmericanTCB.com>
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X-MIMETrack: Serialize by Router on RF/ADT(Release 5.0.8 |June 18, 2001) at 2002/03/25
08:27:59 PM,
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08:34:38 PM,
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Dear Tim,

Question: With respect to the test data, we are missing Power Spectral Density requirements for the unit when it is in the acquisition mode

Please reference the plot of our Peak output power measurement. The RB is 2 MHz in that measurement, and the maximum reading is 10.01 dBm. In the power spectral density measurement, the RB is 3KHz only, even the frequency response over 2MHz bandwidth is flat, the measurement result under 3KHz RB is completely NOT possible to over the 8dBm limit. There is no need to test this item. I believe, the FCC's policy is that we have to show the device fulfill the rule, exact measurement value is not always needed.

Question: With respect to the processing gain, I have been instructed that all applications should have either test data, or copy of letter or email regarding discussion with the FCC.

I just receive the reply from Mr. Chris Neal who talk with FCC Joe for their O2Z-BT2 project. He said that even the customer add their own-designed LNA in front of Chip BC01, the processing gain test data will not be changed. Because the LNA will have the same contribution on both input signal and input jamming, so the SNR will be the same in front of the correlator. PG is not needed to re-test. I will submit his e-mail to you later.

ALSO PLEASE REFERENCE PROCESSING GAIN DISCUSSION PROVIDE IN SEPARATE FILE

Thank you.

Alan