

William Graff

From: Chen, Jerry (Guangzhou) [Jerry.Chen@sgs.com]
Sent: Wednesday, January 11, 2006 5:09 PM
To: William Graff
Cc: Li, Cherry (Guangzhou); Wu, Gavin (Guangzhou)
Subject: RE: KHK88001205

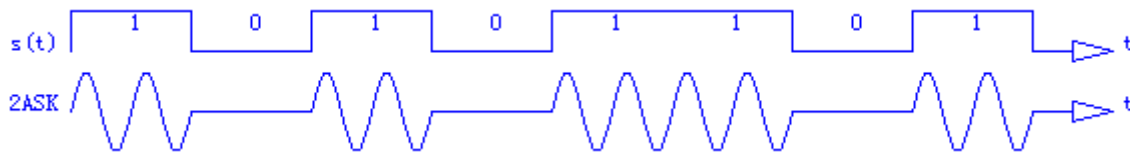
Dear Bill,

For the digital modulation (e.g. Amplifier Shift Key Control/FSK/PSK), it's not to see its difference in spectrum. The difference can be seen after de-modulation. Hence no analog variation can be observed in Spectrum Analyzer.

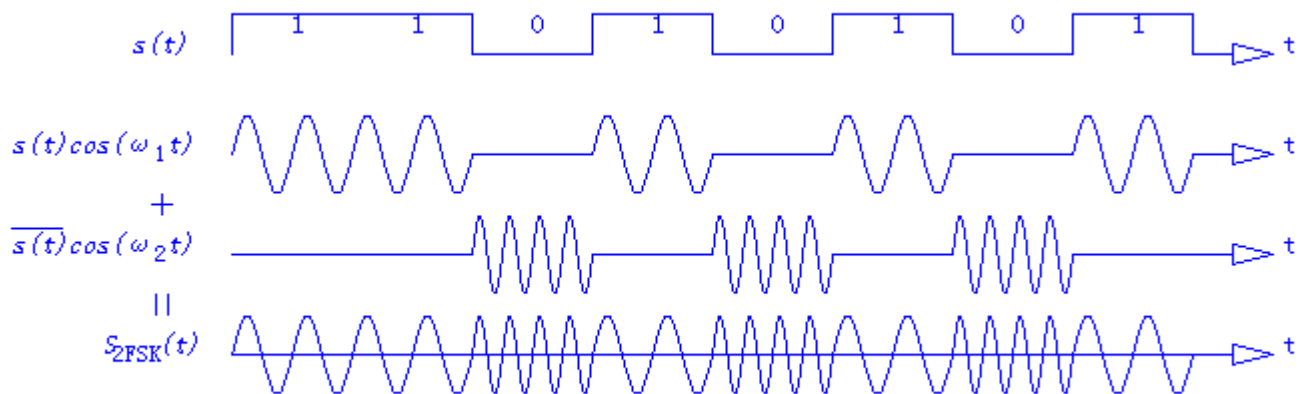
The EUT is used in ASK not FSK, sorry for mistake.

The waveform of ASK/FSK signal like, the series code of TX & Rx changed, the channel may change,

2ASK , below is carrier



2FSK



$$S_{2FSK}(t) = s(t) \cos(\omega_1 t) + \overline{s(t)} \cos(\omega_2 t)$$

Hope this can help you.

Rgds

Jerry Chen / 陈志远

SGS GZ EMC Laboratory

Tel: 86-20-82155318 Fax: 86-20-82075059

From: William Graff [mailto:whgraff@atcb.com]

Sent: 2006年1月11日 15:17

To: Chen, Jerry (Guangzhou)

Cc: Li, Cherry (Guangzhou); Wu, Gavin (Guangzhou)

Subject: RE: KHK88001205

Jerry,

Okay..... So changing the 'channel' will not affect the frequency. But what about radiated field strength? Will it affect other parameters? What about 20db BW? What about any of the pulse timing or repetition parameters? In other words, what would I see different on a spectrum analyzer if I saw the 'channels' changed?

Bill

From: Chen, Jerry (Guangzhou) [mailto:Jerry.Chen@sgs.com]

Sent: Wednesday, January 11, 2006 2:53 PM

To: whgraff@atcb.com

Cc: Li, Cherry (Guangzhou); Wu, Gavin (Guangzhou)

Subject: RE: KHK88001205

Dear Graff,

Thanks for your hard work.

The Tx only used 433.92MHz as carrier for all channels, and by changing the modulation method (FSK) to make different channels. Hence we performed test on one of channels.

Best Regards

Jerry Chen / 陈志远

SGS GZ EMC Laboratory

Tel: 86-20-82155318 Fax: 86-20-82075059

From: William Graff [mailto:whgraff@atcb.com]

Sent: 2006年1月11日 14:22

To: Li, Cherry (Guangzhou)

Cc: jerry@atcb.com; major@atcb.com

Subject: RE: KHK88001205

Importance: High

Cherry,

1/12/2006

I see something that caught my eye with this project. Please observe the newest Label uploaded 01/10/2005 and on file at our website. The EUT appears to suggest that any one of three 'channels' can be selected. But all of the reports and manual given suggest that this is only a single-channel 433.79MHz transmitter. If there are extra frequencies that this can be set, then these must be tested too!

I know this is an urgent filing, and I would only ask if this was important. Please look as soon as possible and tell me what is going on.

Bill

From: Li, Cherry (Guangzhou) [mailto:Cherry.Li@sgs.com]
Sent: Wednesday, January 11, 2006 10:50 AM
To: jerry@atcb.com
Cc: dnoble1@cox.net; wgraff@atcb.com; major@atcb.com
Subject: RE: KHK88001205

Dear Jerry,
Thanks for your help even since.
I will check the case's reviewer in your web site next time.
Sorry to trouble you and Douglas.

By the way, due to we hadn't emphasized our client to add Pt.15.21 statement in manual.
Hence I will remind our client to add it from now on.
The revised manual would be downloaded to web site soon.

I was thankful that you and Bill gave me great support once again.

Best regards,

Cherry Li

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From: Jerry [mailto:jerry@atcb.com]
Sent: 2006年1月11日 9:54
To: Li, Cherry (Guangzhou)
Cc: dnoble1@cox.net; wgraff@atcb.com; major@atcb.com
Subject: RE: KHK88001205

Cherry,

This is not Doug's case, so you don't have to CC to Doug. You may check the case's reviewer from our web site.

1/12/2006

I have asked Bill to expedite this case. Hopefully we can issue you the Grant by this afternoon.

But, there is still a little problem in the manual. As I explained to you the other day, the manufacturer has to put Part 15.21 statement in manual. As I double check with this one, there is nothing in it.

As Bill understands that your customer is very urgent to get Grant, he agrees to issue the Grant first. But, you have to ask your customer adding the statement in the manual (I found there is still space in the last page of the manual) and upload the revised manual to our web site within 5 days. Otherwise, the Grant may possibly be dismissed 5 days later.

Call me if you have any question.

Jerry

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

From: Li, Cherry (Guangzhou) [mailto:Cherry.Li@sgs.com]

Sent: Tuesday, January 10, 2006 3:54 PM

To: jerry@atcb.com

Cc: dnoble1@cox.net

Subject: KHK88001205

Dear Jerry,

Because the client urged this FCC ID, would you remind to chase your reviewer to grant it as quickly as possible. If it still have some problems, please contact me immediately.

Best regards,

Cherry Li

SGS-CSTC EMC GZ Lab

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Fax: +86 20 8207 5059

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