

Re: 300baud FSK over GSM

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Hello everybody

Thanks everybody for your excellent input. Its given me lots of room for thought.

Slight mistake in my description of the problem. Let me start again.

What I said was;

"Essentially the requirement comes from the fact that the equipment at the far end can only communicate at 300baud FSK over the PSTN network.

Our end will work with GSM and needs to communicate at the 300 baud FSK."

What I should have said was;

Essentially the requirement comes from the fact that the equipment at the far end can only communicate at 300baud FSK over the PSTN network.

We are connecting a board to this equipment which will have a GSM module (modem) on it.

Our end will be a standard PC with a PC modem(connected to PSTN)."

I had hoped(and I doubt my wisdom on this now) that we could place the call with the GSM modem and simply connect the PSTN output of the equipment to the GSM modules audio input. Of course there is some electronics involved where the audio out of the GSM module is connected to the equipment's PSTN output.

What I am thinking following the discussion here is that I need to take

my 300baud FSK and convert it to a digital data stream (using Microprocessor and zero crossing detector) and use the data communication capabilities of my

GSM modem to send the data to my PC modem. Then, of course, I will also need to take the returned data from my PC modem and convert it to FSK (using Microprocessor and tone generator) for the equipment.

There will also be a requirement to do the tonal handshaking required by the 300 baud FSK modem before communications begins. This can be achieved with the Microprocessor being used.

Now that sounds like a lot of work but I think I could be guaranteed that it would function.

In all this I am assuming that when communicating with my PC modem from my GSM modem that the network is taking care of the change in protocols required. Is my understanding clear with this?

Many thanks again

Denis

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