Project: IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)

Submission Title: $[\pi/2BPSK description related comment resolutions]$

Date Submitted: [10 September 2008]

Source: [R. Funada, M.A Rahman, C.S Sum, T. Baykas, J. Wang, H. Harada, M. Umehira,

S. Kato, I. Lakkis*]

Company [National Institute of Information and Communications Technology (NICT)]

Address [3-4 Hikari-no-oka, Yokosuka-shi, Kanagawa 239-0847, Japan]

Voice:[+81-46-847-5074], FAX: [+81-46-847-5440]

E-Mail:[funada@nict.go.jp, aziz@nict.go.jp, sum@nict.go.jp, tuncerbaykas@nict.go.jp, junyi.wang@nict.go.jp, harada@nict.go.jp, umehira@mx.ibaraki.ac.jp, shu.kato@nict.go.jp]

Company* [Tensorcom]

Address* [10875 Rancho Bernardo Rd#108, San Diego, CA, USA]

Voice*:[858-676-0200], FAX*: [858-676-0300]

E-Mail*:[i.lakkis@tensorcom.com]

Re: [In response to]

Abstract: [Comment Resolutions related to $\pi/2$ BPSK and (G)MSK description]

Purpose: [This document provides a list of the editing staff that will be working on 802.15.3c.]

Notice: This document has been prepared to assist the IEEE P802.15. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.

Release: The contributor acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by P802.15.

Summary

• This document proposes resolutions for comments related to $\pi/2$ BPSK and (G)MSK description.

Suggested Resolutions for Comments #402 and #610

CID	402	Subclause 12.2.2.1.1	Page 68	48	Are the pi/2 BPSK and GMSK modulations equivalent as	Clarify what we	Response Accept in principle: π/2BPSK is approximately equivalent to
					receiver know which is sent and how can we insure interoperability between products? If they are equivalent, can we remove one of the descriptions from the normative text? Maybe it can be kept in an informative annex.		pre-coded (G)MSK. Revise the text and the figure to clarify the approximate equivalence of π/2 BPSK and pre-coded (G)MSK.
	610	12.2.2.1.1	69		text in lines 23-32. c(n) is overloaded in Figure 190; it doesn't have the same meaning in 190(b) as it does in 190(a). The text clearly is using the pi/2-BPSK (190(a)) interpretation. Also note that pi/2-BPSK with appropriate	needs a major re- write. For a start, replace "c(n)" with	Accept in principle: Rewrite the text and the figure.