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

Submission Title: [π/2BPSK description related comment resolutions]
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Re: [In response to]
Abstract: [Comment Resolutions related to π/2 BPSK and (G)MSK description]
Purpose: [This document provides a list of the editing staff that will be working on 802.15.3c.]

Summary

- This document proposes resolutions for comments related to π/2 BPSK and MSK/GMSK description.

Suggested Resolutions for Comments 402, 511, 610

CID	Subclause	Page	Line	Comment	SuggestedRemedy	Response
402	12.2.2.1.1	68	48	Are the pi/2 BPSK and GMSK modulations equivalent as seen by the receiver is concerned? If not, how will a 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.	Clarify what we want to do here.	π/2BPSK is approximately equivalent to (G)MSK. Revise the text and the figure to clarify the approximate equivalence of π/2 BPSK and (G)MSK.
511	12.2.2.1	74	1-32	Table 100, How is pi/2 BPSK and GMSK differentiated in each mode?	Need discussion.	Resolve as indicated in CID 402
610	12.2.2.1.1	69	1-32	Figure 190 is confusing when considered along side the 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 choice of filter is an APPROXIMATION to (G)MSK; they are not equivalent for finite-length filters.	This subclause needs a major re-write. For a start, replace "c(n)" with a(n) in figure 190(b).	Accept in principle: Rewrite the text and remove Figure 190.