

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

Submission Title: [**Comment Resolutions related to the modulation mode in Japanese 950 MHz band**]

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Re: [TG4e comment resolution]

Abstract: [Comment resolutions related to the modulation mode in Japanese 950 MHz band]

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Summary

This document describes the proposed resolution on the comments related to modulation scheme in Table 1, especially related to entries from 802.15.4d.

The following comments are addressed;

CID #347, #747, #951, #953, #1054, #506 and #507.

Comments

CID #347: The first two modes in the 950 MHz band using GFSK and BPSK are not defined later in the draft. They don't have a corresponding channel page definition in clause 6.1.2.7.2.

CID #747: Since we don't use the term GFSK anymore, we don't need to distinguish between the MR-FSK PHY at 950 MHz and the 15.4d PHYs. The footnotes referencing subclauses 6.11, 6.7 and 6.12a are no longer necessary.

CID #951: Group's consensus during the past meetings was that GFSK is not an accurate term. This also is not consistent with page 15

CID #953: GFSK instead of "Filtered 2FSK"

Resolution Comments (to all in the last slide)

Comment resolution: Accept

Proposed change: Delete the first two rows (950MHz PHYs) from Table 1, as well as footnotes described as below;

~~†~~ For the 950 MHz PHYs, at At least one of the two 950 MHz PHYs shall be implemented when operating in Japan.

~~‡~~ See 6.11.

~~§~~ See 6.7.

~~††~~ See 6.12a.

Rationale: These entries are from 802.15.4d, which was put in the draft in order to share the channel page / number between 4d and 4g. However, the group has decided to use a different channel page / numbering scheme for 4g, it is not relevant anymore. Therefore, they should be removed from the 4g draft, along with associated footnotes, for clarity.

Related comments resolved by this resolution

CID #1054: OFDM in 950MHz Table have to be marked " † ", because OFDM should have been one of 950MHz alternate PHYs.

CID #506: The sentence needs to be rewritten, such that it can support a device with only supporting other than 950MHz band (i.e., 2.4 GHz) operating in Japan.

CID #507: Notation "†" should be placed at the leftmost column (950), rather than at Modulation columns (Filtered 2FSK), in order for OFDM and O-QPSK PHYs to be applicable to this note.

Comment resolution: Accept in principle. Resolved by the comment resolution of CID #347, #747, #951 and #953.

Proposed Change: Notation "† ††" should be removed from Filtered 2FSK and Filtered 4FSK column in the row of 950MHz band.