IEEE P802.11  
Wireless LANs

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| TGah D0.1 Comment Collections 9 Resolutions on 24.3.17 Sections | | | | |
| Date: 2013-07-15 | | | | |
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Abstract: This document contains proposed resolutions for the following CIDs from TGah D0.1 Comment Collection 9:

* Clause 24.3.17 S1G Transmit Specification CIDs: 302, 801, 802, 803, 804, 805, 806

##### CIDs for Clause 24.3.17

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| CID | Commenter | Section | Page | Line | Comment | Proposed Change | Resolution |
| 302 | Li Chia Choo | 24.3.17.2 | 278 | 55 | Unknown table reference in the description for 24.3.17.2 Spectral flatness | Change line 55 to: "deviation in Table 24-30 from the average of..." | Accepted |
| 801 | Shusaku Shimada | 24.3.17.1 | 275 | 31 | Spurious region spectrum mask of 1MHz channel has to conform with general international limit or may be as same as 11af mask. | Change "40dBm/MHz" to "-45dBm/MHz", or otherwise at least as same as 11af,i.e. (+16-59)dBm/MHz. | Rejected, until further discussion on whether its necessary to conform to 11af mask |
| 802 | Shusaku Shimada | 24.3.17.1 | 276 | 4 | Spurious region spectrum mask of 2MHz channel has to conform with general international limit or may be as same as 11af mask. | Change "43dBm/MHz" to "-48dBm/MHz", or otherwise at least as same as 11af,i.e. (+13-59)dBm/MHz. | Rejected, until further discussion on whether its necessary to conform to 11af mask |
| 803 | Shusaku Shimada | 24.3.17.1 | 276 | 40 | Spurious region spectrum mask of 4MHz channel has to conform with general international limit or may be as same as 11af mask. | Change "46dBm/MHz" to "-51dBm/MHz", or otherwise at least as same as 11af,i.e. (+10-59)dBm/MHz. | Rejected, until further discussion on whether its necessary to conform to 11af mask |
| 804 | Shusaku Shimada | 24.3.17.1 | 277 | 33 | Spurious region spectrum mask of 8MHz channel has to conform with general international limit or may be as same as 11af mask. | Change "49dBm/MHz" to "-54dBm/MHz", or otherwise at least as same as 11af,i.e. (+7-59)dBm/MHz. | Rejected, until further discussion on whether its necessary to conform to 11af mask |
| 805 | Shusaku Shimada | 24.3.17.1 | 278 | 7 | Spurious region spectrum mask of 16MHz channel has to conform with general international limit or may be as same as 11af mask. | Change "52dBm/MHz" to "-57dBm/MHz", or otherwise at least as same as 11af,i.e. (+4-59)dBm/MHz. | Rejected, until further discussion on whether its necessary to conform to 11af mask |
| 806 | Shusaku Shimada | 24.4.3 | 298 | 48 | The value of TXTIME calculation result to be returned has to be accumulated in summation, which has to be used for possible regulatory requirement, e.g. TX time and duty ratio control rulrs. | Introduce an accumulated TXTIME service in PLME interface. | Rejected, please specify what the problem is with current equations |
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*TGah Editor: Please make the following changes on Page 278 for clause 24.3.17.2, changes highlighted in yellow:*

* Spectral flatness

Spectral flatness measurements shall be conducted using BPSK modulated PPDUs.

Let  denote the average constellation energy of a BPSK modulated subcarrier *i* in a S1G data symbol.

In a normal mode S1G transmission or contiguous 1MHz or 2MHz Duplicate mode transmission having a bandwidth listed in Table 24-30 (Maximum Spectral Flatness Deviations),  of each of the subcarriers with indices listed as tested subcarrier indices shall not deviate by more than the specified maximum deviation in Table 24-30 - Maximum Spectral Flatness Deviations from the average of  over subcarrier indices listed as averaging subcarrier indices. Averaging of  is done in the linear domain.

For the spectral flatness test, the transmitting STA shall be configured to use a spatial mapping matrix  with flat frequency response. Each output port under test of the transmitting STA shall be connected through a cable to one input port of the testing instrumentation. The requirements apply to 1 MHz, 2 MHz, 4 MHz, 8 MHz and 16 MHz normal mode transmissions and transmissions based on 1 and 2 MHz duplicated segments.