Proposed Comment Resolution for CID 235 (MR-O-QPSK PHY)

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Title:	Proposed Comment Resolution for CID 235 (MR-O-QPSK PHY)
Date Submitted:	October 5, 2011
Source:	Michael Schmidt - Atmel (email: michael.schmidt@atmel.com)
Re:	Task Group 15.4g sponsor ballot comment resolution
Abstract:	Proposed comment resolution for CID 235 (MR-O-QPSK PHY)
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CID 235

Comment:
Local regulations are usually only designed to prevent interference from one type of service to another. Thus, they may not have any spectral mask limits in band. The lack of a spectral mask can allow devices of the same type to interfere with each other. A standard should prevent this.
Response:
Accept in principle. This is a proposed resolution for MR-O-QPSK.

Proposed Changes

Add the text and table to section 16.3.4.2:
"The transmitted spectral products shall be less than the limits specified in Table 1. For both, relative and absolute limits, average spectral power shall be measured using a resolution bandwidth given in Table 1. For the relative limit, the reference level shall be the highest average spectral power measured within $\pm f_o^{rel}$ kHz of the carrier frequency f_c, where f_o^{rel} is defined in Table 1."

Table: 1 - MR-O-QPSK PHY transmit PSD limits

Frequency band (MHz)	Frequency range	Relative limit dB	Absolute limit dBm	f_o^{rel} (kHz)	Resolution bandwidth (kHz)
470 - 510	$\|f - f_c\| > 150$ kHz	-30	-30	50	10
779 - 787	$\|f - f_c\| > 1.2$ MHz	-30	-30	600	100
868 - 870	$\|f - f_c\| > 150$ kHz	-30	-30	50	10
902 - 928	$\|f - f_c\| > 1.2$ MHz	-20	-20	600	100
917 - 923.5	$\|f - f_c\| > 1.2$ MHz	-20	-20	600	100
920 - 928	$\|f - f_c\| > 150$ kHz	-30	-30	50	10
950 - 958	$\|f - f_c\| > 150$ kHz	-30	-30	50	10
2405 - 2483.5	$\|f - f_c\| > 3.5$ MHz	-20	-30	1000	100