

Reference

[1] FCC publication 865664 SAR measurement 100 MHz to 6 GHz DR02-4116, 9/12/2012

Request for modification

Minor formal changes are proposed:

- 3.2.2 2) c) and other places: Return loss of dipoles should be a positive value.
- 3.2.2.2) c):
The criteria is a deviation of the return-loss results exceeding 20%, or the value in dB x 0.2 if the resulting return loss is less than 30dB.

Rationale

Return loss describes the attenuation of the reflected wave w.r.t. the forward wave and is therefore positive for passive devices.

Assuming a RL of 20 dB, the change should be within 4 dB. For a return loss of 40 dB (at the notch of a resonance), the criteria would be 8 dB, and a degradation would be possible to 32 dB return loss only. For very high values, the requirement appears too strong. Therefore, we suggest to limit the values when this has to be considered to 30dB.