

WG 1-15.6, C63.5 Revision April 2008 Update

Dennis Camell
NIST

WG 1-15.6, C63.5 revision

Items finished

- ☑ Add vertical E_{d_max} to annex A
- ☑ Fix table 3
- ☑ Re-instate sentence on biconicals-“Antenna factors obtained for biconical dipole antennas using the SSM that are used for either product testing or NSA testing shall be corrected to free space values using the correction factors provided in Annex G.” as in the 2004 edition.

WG 1-15.6, C63.5 revision

For this update (to get done)

- ◆ Clarification of Section 5 and Annex G on the uses of Free Space Antenna Factors and the uses of Near Free Space Antenna Factors
- ◆ Improve horn method
 - remove the ground response
- ◆ Clarify minimum frequency resolution
- ◆ Editorial Revisions

3

April 2008

WG 1-15.6, C63.5 revision

For this update (might get done)

- ◆ Add Time Domain Method for Free Space
- ◆ Add CFNSA annex
- ◆ Add limits to vertical vs. horizontal 1-m ratio

4

April 2008

WG 1-15.6, C63.5 revision

Action Items:

- New text covering standard gain horns above 1 GHz, either use physical dimensions for reference with some S11 electrical check to assure working horn or incorporate what cal labs use for horns above 1 GHz (extrapolation, etc)
- Add free space corrections for dipoles like VCCI

WG 1-15.6, C63.5 revision

**REVISED schedule
late 2008 to SC1**