

WG 1-15.6, C63.5 Revision October 2007 Update

Dennis Camell
NIST

WG 1-15.6, C63.5 revision

◆ Summary-Last Update

- Multiple items were listed for study and change in the next edition
- AIs assigned from this list
- Harmony with IEC and VCCI
- Next revision by 2008

WG 1-15.6, C63.5 revision

Action Items:

- Clarify text on annex H in section 5.1
- Clarify text on the use of FSAF and near-FSAF in sec 5 and annex G
- 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
- ☑ Add vertical E_{d_max} to annex A

WG 1-15.6, C63.5 revision

Action Items:

- ☑ Fix table 3
- **Add limits to vertical vs. horizontal 1m ratio for hybrid antennas**
- **Add minimum frequency resolution for calibrations**
- ☑ 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

Action Items: Long-term

- Develop text for complex fit of Log periodic antennas
- Develop text for time-domain gating for free-space AFs (i.e. reduction of reflections)
- Measurement uncertainty estimates (either this document or in the uncertainty document)

WG 1-15.6, C63.5 revision

On schedule for mid 2008 revision to SC1