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22 March 2007

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Re: P1631 - Recommended Practice for Measurement of 8-VSB Digital Television Transmission Mask Compliance for the USA

Dear William:

I am pleased to inform you that on 22 March 2007 the IEEE-SA Standards Board approved the above referenced project until 31 December 2008. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/1631.pdf>.

Now that your project has been approved, please forward a roster of participants involved in the development of this project. This request is in accordance with the IEEE-SA Operations Manual, Clause 5.1.2i under Duties of the Sponsor which states:

"Submit annually to the IEEE Standards Department an electronic roster of individuals participating on standards projects"

For your convenience, an Excel spreadsheet for your use has been posted on our website at <http://standards.ieee.org/guides/par/roster.xls>. Please forward this list to me via e-mail at s.hampton@ieee.org no later than 20 June 2007.

Please visit our website, IEEE Standards Development Online (<http://standards.ieee.org/resources/development/index.html>), for tools, forms and training to assist you in the standards development process. Also, we strongly recommend that a copy of your draft be sent to this office for review prior to the final vote by the working group to allow for a quick review by editorial staff before sponsor balloting begins.

If you should have any further questions, please contact me at +1 732 562 6003 or by email at s.hampton@ieee.org.

Sincerely,

Sherry Hampton
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Standards Activities
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PAR Request Date: 17 February 2007**PAR Approval Date:** 22 March 2007**PAR Signature Page on File:** Yes**Type of PAR:** Modification to Approved PAR**Status:** Modification to a Previously Approved PAR P1631, 12 September 2002**Root Project:** New Project**1.1 Project No.:** **1631****1.2 Type of Document:** Recommended Practice**1.3 Life Cycle:** Full-Use**1.4 Is this document in ballot now?** No**2.1 Title**

Recommended Practice for Measurement of 8-VSB Digital Television Transmission Mask Compliance for the USA

3.1 Working Group Name [DTV Transmission Working Group](#)**Working Group Chair**
[Best, Greg](#)
Phone: 816-792-2913
Email: gbconsulting@kc.rr.com**Working Group Vice Chair****3.2 Sponsor** [IEEE Broadcast Technology Society RF Techniques \(BTS/RFTech\)](#)**Sponsor Chair**
[Hayes, William T.](#)
Phone: 515-242-3116
Email: wt_hayes@ieee.org**Name of Standards Liaison Representative (if applicable)****3.3 Joint Sponsor****4.1 Type of Ballot:** Individual**4.2 Expected Date of Submission for Initial Sponsor Ballot:** April 2007**4.3 Projected Completion Date for Submittal to RevCom:** May 2007**5.1 Approximate number of people expected to work on this project:** 8**5.2 Scope:** This document provides a standardized body of theory, techniques and procedures for measuring the spectral characteristics of 8-VSB transmitters used for terrestrial transmission of digital television (DTV) in the frequency range near their assigned channels (near-band). Essential characteristics are specified and measurement procedures are given to ensure that all parties will obtain comparable results. The theory and techniques presented are applicable to all 8-VSB transmitters. However, the specification and interpretation of these measurements is primarily focused on DTV transmitters used within the United States of America**Old Scope:** The proposed standard will create a new document to specify techniques of measuring frequency spectrum characteristics of digitally modulated television signals. The techniques will relate to the measurement of the frequency spectrum, in and out of channel and include definitions to correctly apply and interpret the measurement techniques.**5.3 Is the completion of this document contingent upon the completion of another document?** No

5.4 Purpose: This document is intended to provide manufacturers, installers, TV station personnel and other concerned parties with a standardized body of information for the purpose of determining whether DTV transmission systems are in compliance with the specifications prescribed in the FCC rules. .

Old Purpose: This project will provide a standard method for measuring the frequency spectrum characteristics of digitally modulated television signals. The standard will be used by manufacturers and engineers to insure compliance with federal regulations and accepted engineering practices.

5.5 Need for the Project: A new and consistent test methodology is required to accurately determine whether transmission facilities meet FCC rules regarding out-of-band emissions. Presently, no methodology is documented.

5.6 Stakeholders for the Standard: Television stations, consultants, broadcast equipment manufacturers, system installers, and FCC enforcement personnel will all be impacted by the use of this standard.

6.1.a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR prior to the PAR submittal to the IEEE-SA Standards Board? Yes **Presented Date:** 2005-03-28

If no, please explain:

6.1.b. Is the Sponsor aware of any copyright permissions needed for this project? No

If yes, please explain:

6.1.c. Is the Sponsor aware of possible registration activity related to this project? No

If yes, please explain:

7.1 Are there other standards or projects with a similar scope? No

If yes, please explain:

Sponsor Organization:

Project/Standard Number:

Project/Standard Date: 0000-00-00

Project/Standard Title:

7.2 Is there potential for this standard (in part or in whole) to be adopted by another national, regional, or international organization? ? Do not know at this time

Technical Committee Name and Number:

Contact person:

Contact person Phone Number:

Contact person Email Address:

7.3 Will this project result in any health, safety, security, or environmental guidance that affects or applies to human health or safety? No

7.4 Additional Explanatory Notes:

The purpose of the change in title and type of standard document is to more accurately reflect the document that is being prepared. The primary objective of the working group with this project was to provide a means to accurately and consistently measure DTV spectrum and to determine whether terrestrial DTV transmitters were in compliance with the FCC emission mask. The early PAR may not have been defined well enough. The term 8-VSB was included in the title because within the broadcast industry, DTV signals could be interpreted as baseband signals, RF signals, or even DVB-H signals so we wanted to clarify that. Part of achieving FCC emission mask compliance would include measurement of harmonics. This RP only deals with the adjacent channel measurements. The measurement of harmonics has been specifically left out of this document because FCC policy for acceptable measurement processes has not yet been determined and no timetable for resolving this issue is known. Once this issue is resolved, it is expected a new PAR or revision to the document will be initiated.

8.1 Sponsor Information:

Is the Scope of this project within the approved scope/definition of the Sponsor's Charter? Yes

If no, please explain: