

International Telecommunication Union

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

J.83

Amendment 1
(11/2006)

SERIES J: CABLE NETWORKS AND TRANSMISSION
OF TELEVISION, SOUND PROGRAMME AND OTHER
MULTIMEDIA SIGNALS

Digital transmission of television signals

Digital multi-programme systems for television,
sound and data services for cable distribution

Amendment 1: Amendment to Annex B

ITU-T Recommendation J.83 (1997) – Amendment 1



ITU-T Recommendation J.83

Digital multi-programme systems for television, sound and data services for cable distribution

Amendment 1: Amendment to Annex B

Summary

This amendment replaces clause B.6.2 (QAM modulator RF output) with new text, deleting Table B.5.

Source

Amendment 1 to ITU-T Recommendation J.83 (1997) was approved on 29 November 2006 by ITU-T Study Group 9 (2005-2008) under the ITU-T Recommendation A.8 procedure.

FOREWORD

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ITU-T Recommendation J.83

Digital multi-programme systems for television, sound and data services for cable distribution

Amendment 1: Amendment to Annex B

Replace clause B.6.2 with the following:

B.6.2 QAM modulator RF output

The RF modulated QAM signal $s(t)$ is given by:

$$s(t) = I(t) \times \cos(2\pi ft) + Q(t) \times \sin(2\pi ft)$$

where t denotes time, f denotes RF carrier frequency and where $I(t)$ and $Q(t)$ are the respective Root-Nyquist filtered baseband quadrature components of the constellation symbols.

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