



ATSC Standard: A/322:2025-07a Amend. No. 1, "ATSC 3.0 Errata"

Doc A/322:2025-07a Amend. No. 1
26 January 2026

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Revision History

Version	Date
Amendment approved	26 January 2026

ATSC Proposed Standard: A/322:2025-07a Amend. No. 1, “ATSC 3.0 Errata”

1. OVERVIEW

1.1 Definition

An Amendment is generated to document an enhancement, an addition or a deletion of functionality to previously agreed technical provisions in an existing ATSC document. Amendments shall be published as attachments to the original ATSC document. Distribution by ATSC of existing documents shall include any approved Amendments.

1.2 Scope

This document mainly corrects errata items found in MIMO scattered pilot pattern 4_2 with 32K FFT in the physical layer. This amendment is in response to New Project Proposal N-074r0, "ATSC 3.0 MIMO Extension".

1.3 Rationale for Changes

In A/322, optional MIMO technology typo fix for scattered pilot 4_2 usage in 32K FFT is proposed to be removed. It conflicts with continual pilot patterns for MIMO usage and should not be available for implementation usage.

1.4 Compatibility Considerations

The changes described in this document are to correct specification language that incorrectly describes scattered pilots in continual pilot locations. Transmitters should not tolerate the overlap of pilots and therefore backward-compatibility to the error is not a concern. Receivers should see no harm in data as the conflict is with pilots.

2. LIST OF CHANGES

Change instructions are given below in *italics*. Unless otherwise noted, inserted text, tables, and drawings are shown in **blue**; deletions of existing text are shown in **red**. The text “[ref]” indicates that a cross reference to a cited referenced document should be inserted. **Yellow highlighted references** indicate the document editor should insert the appropriate internal document references.

2.1 Normative References

2.2 Acronyms, Abbreviations and Mathematical Operators

2.3 Terms

2.4 Change Instructions

Remove the MIMO pattern MP4_2 from Table L.9.3.

Table L.9.3 Allowed Scattered Pilot Patterns for Each Allowed Combination of FFT Size and Guard Interval Length in MIMO Mode with Walsh-Hadamard Encoding

GI Pattern	Samples	8K FFT	16K FFT	32K FFT
GI1_192	192	MP16_2, MP16_4, MP8_2, MP8_4	MP16_2, MP16_4	MP16_2
GI2_384	384	MP8_2, MP8_4, MP4_2, MP4_4	MP16_2, MP16_4, MP8_2, MP8_4	MP16_2
GI3_512	512	MP6_2, MP6_4, MP3_2, MP3_4	MP12_2, MP12_4, MP6_2, MP6_4	MP12_2
GI4_768	768	MP4_2, MP4_4	M8_2, M8_4, MP4_2, MP4_4	MP16_2, MP8_2
GI5_1024	1024	MP3_2, MP3_4	MP6_2, MP6_4, MP3_2, MP3_4	MP12_2, MP6_2
GI6_1536	1536	N/A	MP4_2, MP4_4	MP8_2, MP4_2
GI7_2048	2048	N/A	MP3_2, MP3_4	MP6_2, MP3_2
GI8_2432	2432	N/A	MP3_2, MP3_4	MP6_2, MP3_2
GI9_3072	3072	N/A	N/A	MP3_2
GI10_3648	3648	N/A	N/A	MP3_2
GI11_4096	4096	N/A	N/A	MP3_2
GI12_4864	4864	N/A	N/A	MP3_2

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