

**NUMERICAL INDEX — DIVISION 402
ANTENNAS, TRANSMISSION LINES, AND WAVEGUIDE**

1. GENERAL

- 1.01** This section provides an index of System-issued sections in Division 402.
- 1.02** A bullet (●) indicates an item that has been added or changed since the previous issue of the index.
- 1.03** A square (□) indicates a canceled item. Information relating to the cancellation, if necessary, will be shown in a note following the item. Canceled items and related notes will be deleted upon reissue of the index.
- 1.04** A spade (♠) indicates an item not on microfiche. This index indicates the latest issue for hard-copy BSPs. In some cases, the microfiche BSP will reflect the next higher issue as a result of the reduced distribution interval.
- 1.05** "Add" is the abbreviation for Addendum, and "Sup" is the abbreviation for Supplement.

2. LAYERS

2.01 This division is arranged in layers as follows:

- 402-0 Indexes and Equipment Test Lists
 - 1 Transmission Lines and Waveguide
 - 3 VHF/UHF Antennas
 - 4 Microwave Antennas

3. INDEX

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402-0 INDEXES AND EQUIPMENT TEST LISTS

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Transmission Lines, and Waveguide
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- 402-001-011 5 ETL

402-1 TRANSMISSION LINES AND WAVEGUIDE

402-100 Coaxial Transmission Lines and Connectors

- 402-100-100 1 Description
- 402-100-200 1 Installation

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402-120)

402-110 KS-20001 Flanging Kit

- 402-110-220 1 Field Flanging of Rectangular Waveguide Sections

402-3 VHF/UHF ANTENNAS

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- 402-300-500 1 Maintenance

402-302 Base Station Mobile Telephone Service Antennas

- 402-302-100 2 Description

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- 402-304-206 1 KS-15510 Whip
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- 402-304-211 1 Removal of Antennas

402-307 RF Filters

- 402-307-100 2 Description and Applications

402-4 MICROWAVE ANTENNAS

402-400 Return Loss Measurements

- 402-400-100 1 General Theory
- 402-400-330 2 Periodic Test Intervals
- 402-400-501 3 TD-2 System — Using 45A Test Set
- 402-400-502 1 Return Loss Measurements Through TD-2, TD-3,
TD-3A, TD-3D, and TH-3 Transmitter Receiver
Bays
- 402-400-503 1 TH System
- 402-410-100 1 General — Maintenance

402-420 KS-5759 Delay Lens Antenna

- 402-420-100 4 Description
- 402-420-200 4 Installation
- 402-420-330 4 Periodic Test Intervals
- 402-420-500 2 Tools, Materials, and Safety Precautions
- 402-420-501 1 Repair Procedures
- 402-420-502 1 Replacing Weather Cover and Lens
- 402-420-503 1 Rehabilitating Lens Elements
- 402-420-504 1 Gain Measurement

402-421 KS-15676 Horn-Reflector and Waveguide System

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- 402-421-201 5 Antenna Assembly
- 402-421-202 5 Antenna Installation
- 402-421-203 3 Circular Straight Rigid Waveguide and Circular
Flexible Waveguide — Installation
- 402-421-204 3 Systems Combining Network

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement

SECTION 402-000-000

| Section Number | Issue | Subject |
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| 402-421-206 | 1 | Orientation Using ED-59410-70 Transducer |
| 402-421-207 | 1 | Orientation Using 11A Directional Coupler |
| 402-421-208 | 1 | Orientation Using 21A Coupler |
| 402-421-209 | 1 | Use of the AT-8550 Tools |
| 402-421-210 | 2 | Horn-Reflector Orientation Using 33A or 43A Transducer and Waveguide System Alignment |
| Add 402-421-220 | 1 | |
| 402-421-220 | 1 | KS-15676 L15 Modification Kits |
| 402-421-221 | 1 | KS-15676, L19, L20, L21, and L22 Modification Kits |
| 402-421-250 | 1 | Substituting Performed Rigid for Circular Flexible Waveguide |
| 402-421-330 | 2 | Periodic Test Intervals |
| 402-421-501 | 2 | Horn-Reflector Assembly |
| 402-421-502 | 2 | Weather Cover |
| 402-421-503 | 1 | Feed Horn, Mounting Base and Frame, and Flexible Waveguide |
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| 402-421-506 | 3 | In-Service Air Leak Detection and Correction |
| 402-421-507 | 1 | Reflector Surface |

402-422 KS-21972 Conical Antenna

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| 402-422-100 | 1 | Microwave Antennas — KS-21972 Conical Antenna and Waveguide System — Description |
| 402-422-200 | 2 | KS-21972 Conical Antenna and Waveguide System — Antenna Assembly and Installation — Microwave Antennas |
| 402-422-501 | 1 | Microwave Antennas — KS-21972 Conical Antenna — Repair of Bullet Holes |

402-423 KS-16320 Passive Reflector

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| 402-423-100 | 1 | Description |
| 402-423-201 | 1 | List of Tools and Equipment |
| 402-423-202 | 1 | Assembly of List 1 Reflector |
| 402-423-203 | 1 | Assembly of List 2 Reflector |
| 402-423-204 | 1 | Assembly of Mount for List 1 Reflector |
| 402-423-205 | 1 | Assembly of Mount for List 2 Reflector |
| 402-423-206 | 2 | Installation of Lists 1 and 2 on Miscellaneous Structures |

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| 402-423-207 | 2 | Installation of Lists 1 and 2 on the AT-7728B Guyed Tower, and List 1 on the AT-8009C Guyed Tower and the AT-8013C Self-Supporting Tower |
| 402-423-208 | 2 | Installation of Lists 1 and 2 on the AT-7729B Self-Supporting Tower |
| 402-423-209 | 2 | Elevation Adjustment for Lists 1 and 2 |
| 402-423-210 | 2 | Azimuth Adjustment for Lists 1 and 2 |
| 402-423-211 | 1 | Curvature Adjustment for List 2 |
| 402-423-212 | 2 | Immobilization of Lists 1 and 2 |
| 402-423-330 | 1 | Periodic Test Intervals |
| 402-423-400 | 2 | Supplementary Drawings |
| 402-423-501 | 2 | Tools, Materials, and Safety Precautions |
| 402-423-502 | 2 | Inspection and Repairs |

402-424 KS-19570 Passive Reflector

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| 402-424-100 | 1 | Description |
| 402-424-200 | 1 | Assembly and Installation |
| 402-424-500 | 1 | Maintenance |
| 402-424-501 | 1 | Initial Alignment Elevation and Azimuth Adjustment |

402-430) Parabolic Antennas

402-459)

402-430 General Maintenance

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| 402-430-501 | 2 | Resin Erosion |
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402-431 KS-5708 List 1 Perforated Parabolic Antenna

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| 402-431-100 | 1 | Description |
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402-432 KS-5708 List 2 Non-Perforated Parabolic Antenna

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| 402-432-100 | 1 | Description |
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402-433 KS-15970 Parabolic Antenna

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| 402-433-200 | 1 | Assembly and Installation |
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402-435 KS-15852 Parabolic Antenna

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| 402-435-200 | 1 | Assembly and Installation |
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402-436 KS-15837, KS-15838, and KS-15924 Parabolic Antennas

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| 402-436-200 | 1 | Assembly and Installation |
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402-438 KS-19273 Parabolic Antenna Radome

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| 402-438-200 | 1 | Installation |
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