

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

Section Number	Issue	Subject
-------------------	-------	---------

402-0 INDEXES AND EQUIPMENT TEST LISTS

- ♠ 402-000-000 44 Numerical Index — Division 402 — Antennas, Transmission Lines, and Waveguide

Sup 402-001-011 1
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

402-110) Waveguide

402-120)

402-110 KS-20001 Flanging Kit

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

402-3 VHF/UHF ANTENNAS

402-300 Federal FTR-29C Antenna System

402-300-100 1 Description
402-300-500 1 Maintenance

402-302 Base Station Mobile Telephone Service Antennas

402-302-100 2 Description

Section Number	Issue	Subject
-------------------	-------	---------

402-304 Mobile Station Mobile Telephone Service Antennas

402-304-100 1 Description
402-304-206 1 KS-15510 Whip
402-304-210 1 Method of Terminating Coaxial Cable
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

402-421-100 3 Description
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

Printed in U.S.A.

SECTION 402-000-000

Section Number	Issue	Subject
402-421-205	2	Rectangular Waveguide, Rigid and Flexible
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
402-421-504	1	Rigid Waveguide and Restrainer
402-421-505	1	Square Restrainer, Hood, Compensator Transducer, and 11A Directional Coupler
402-421-506	3	In-Service Air Leak Detection and Correction
402-421-507	1	Reflector Surface

402-422 KS-21972 Conical Antenna

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

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

Section Number	Issue	Subject
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

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

402-430-501	2	Resin Erosion
-------------	---	---------------

402-431 KS-5708 List 1 Perforated Parabolic Antenna

402-431-100	1	Description
-------------	---	-------------

402-432 KS-5708 List 2 Non-Perforated Parabolic Antenna

402-432-100	1	Description
-------------	---	-------------

402-433 KS-15970 Parabolic Antenna

402-433-200	1	Assembly and Installation
-------------	---	---------------------------

402-435 KS-15852 Parabolic Antenna

402-435-200	1	Assembly and Installation
-------------	---	---------------------------

402-436 KS-15837, KS-15838, and KS-15924 Parabolic Antennas

402-436-200	1	Assembly and Installation
-------------	---	---------------------------

402-438 KS-19273 Parabolic Antenna Radome

402-438-200	1	Installation
-------------	---	--------------