

FCC Requirements

Content

This section presents Federal Communications Commission (FCC) Rules Parts 15 and 68 requirements and compliance information for the SC™ 300 Microcell Base Transceiver Stations (BTS).

Warning – Radio Frequency Radiation Hazard



WARNING

This equipment is designed to generate and radiate radio frequency (RF) energy. It should be installed and maintained only by trained technicians. Licensees of the Federal Communications Commission (FCC) using this equipment are responsible for insuring that its installation and operation comply with FCC regulations (47 C.F.R. & 1.1310) designed to limit human exposure to RF radiation.

MPE Limit Warning

In order to comply with the FCC guidelines on RF exposure, the antennas for this equipment must not exceed the maximum gain shown in the MPE Limits table. Antennas must be installed more than the minimum distance specified in the MPE Limits table away from persons. No antenna used with this equipment should be installed in a location in which any persons are likely to be within the maximum permissible distance from the antenna.



WARNING

Verify that transmitter output is turned off before performing antenna service within the restricted area.

MPE Limits		
Parameter	Frequency	
	800 MHz	1.9 GHz
Maximum Gain	5.2dBd	5.5dBi
Distance	1.0m (40 in.)	0.5m (20 in.)

FCC Part 15 Requirements

Part 15.19a(3) – Information to User

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Part 15.21 – Information to User

Changes or modifications not expressly approved by Motorola could void your authority to operate the equipment.

Part 15.105(b) – Information to User

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Part 68 Requirements

This equipment complies with Part 68 of the Federal Communications Commission (FCC) Rules. A label located on the upper-right corner of the right side of the cooling fins contains, among other information, the FCC Registration Number and Ringer Equivalence Number (REN) for this equipment. If requested, this information must be provided to the telephone company.

The REN is useful to determine the quantity of the devices which may connect to the telephone line. Excessive RENs on the telephone line may result in the devices not ringing in response to incoming calls. In most, but not all areas, the sum of the RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to the line as determined by the total RENs, contact the telephone company to determine the maximum REN for the calling area.

If the dial-in site access modem causes harm to the telephone network, the telephone company will notify you in advance that temporary

discontinuance of service may be required. If advance notice is not practical, the telephone company will notify you of the discontinuance as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the operation of your dial-in site access modem. If this happens, the telephone company will provide advance notice so that you can modify your equipment as required to maintain uninterrupted service.

If you experience trouble with the dial-in site access modem, please contact:

Motorola Customer Network Resolution Center (CNRC)
3436 N. Kennicott Drive
Arlington Heights, Illinois 60004
Phone Number: 800-433-5202

for repair and/or warranty information. If the trouble is causing harm to the telephone network, the telephone company may request you to disconnect the equipment from the network until the problem is solved. You should not attempt to repair this equipment yourself. This equipment contains no customer or user-serviceable parts.

Changes or modifications not expressly approved by Motorola could void your authority to operate this equipment.