

Location #1

55 Broad Street, New York, New York
40deg, 42min, 18 sec N
074deg, 00min, 37sec W

Box 4: Applicant seeks Commission consent for the testing and experimentation of a data telecommunications system using millimeter wave spectrum. In this experiment, Applicant seeks to test transmissions in the 71-73 GHz and 74-76 GHz bands.

Box 5: Test, Development, and demonstration of millimeter-wave technology in various environments and configurations.

Box 7: Operation Start Date: 08/07/2002
 Operation End Date: 02/07/2003

Antenna 1: Beam width: 0.36 degrees
 Orientation in Horizontal Plane: 239.62 degrees
 Orientation in Vertical Plane: -8.64 degrees
 Radius of Operation: 0.25 km
 Lower frequency: 74000 MHz
 Upper frequency: 76000 MHz
 Power: 40 milliwatts
 ERP: 4000 watts peak
 Emission type: A1F, 622Mb/s modulating signal,
 1.75 GHz necessary bandwidth

 Antenna Elevation: 132 m
 Ground Elevation: 5 m
 Distance to Nearest airfield: 13.5 km

Antenna 2: Beam width: 0.36 degrees
 Orientation in Horizontal Plane: 243.10 degrees
 Orientation in Vertical Plane: -0.33 degrees
 Radius of Operation: 0.35 km
 Lower frequency: 71000 MHz
 Upper frequency: 73000 MHz
 Power: 40 milliwatts
 ERP: 4000 watts peak
 Emission type: A1F, 622Mb/s modulating signal,
 1.75 GHz necessary bandwidth

 Antenna Elevation: 132 m
 Ground Elevation: 5 m
 Distance to Nearest airfield: 13.5 km

STA Box 5: NO (antenna will not extend more than 6 meters above existing building)

Location #2

One Battery, New York City, NY
40deg, 42min, 13 sec N,
074deg, 00min, 50sec W

Box 4: Applicant seeks Commission consent for the testing and experimentation of a data telecommunications system using millimeter wave spectrum. In this experiment, Applicant seeks to test transmissions in the 71-73 GHz and 74-76 GHz bands.

Box 5: Test, Development, and demonstration of millimeter-wave technology in various environments and configurations.

Box 7: Operation Start Date: 08/07/2002
 Operation End Date: 02/07/2003

Antenna 1: Beam width: 0.36 degrees
 Orientation in Horizontal Plane: 63.10 degrees
 Orientation in Vertical Plane: 0.33 degrees
 Radius of Operation: 0.35 km
 Lower frequency: 74000 MHz
 Upper frequency: 76000 MHz
 Power: 40 milliwatts
 ERP: 4000 watts peak
 Emission type: A1F, 622Mb/s modulating signal,
 1.75 GHz necessary bandwidth

 Antenna Elevation: 130 m
 Ground Elevation: 4 m
 Distance to Nearest airfield: 13.5 km

Antenna 2: Beam width: 0.18 degrees
 Orientation in Horizontal Plane: 334.10 degrees
 Orientation in Vertical Plane: -1.21 degrees
 Radius of Operation: 3.6 km
 Lower frequency: 74000 MHz
 Upper frequency: 76000 MHz
 Power: 40 milliwatts
 ERP: 16,000 watts peak
 Emission type: A1F, 622Mb/s modulating signal,
 1.75 GHz necessary bandwidth

 Antenna Elevation: 130 m
 Ground Elevation: 4 m
 Distance to Nearest airfield: 13.5 km

STA Box 5: NO (antenna will not extend more than 6 meters above existing building)

Location #3

111 Pavonia, Jersey City, New Jersey
40deg, 43min, 56 sec N,
074deg, 01min, 56sec W

Box 4: Applicant seeks Commission consent for the testing and experimentation of a data telecommunications system using millimeter wave spectrum. In this experiment, Applicant seeks to test transmissions in the 71-73 GHz and 74-76 GHz bands.

Box 5: Test, Development, and demonstration of millimeter-wave technology in various environments and configurations.

Box 7: Operation Start Date: 08/07/2002
 Operation End Date: 02/07/2003

Antenna 1:	Beam width:	0.18 degrees
	Orientation in Horizontal Plane:	154.10 degrees
	Orientation in Vertical Plane:	1.21 degrees
	Radius of Operation:	3.6 km
	Lower frequency:	71000 MHz
	Upper frequency:	73000 MHz
	Power:	40 milliwatts
	ERP:	16,000 watts peak
	Emission type:	A1F, 622Mb/s modulating signal, 1.75 GHz necessary bandwidth
	Antenna Elevation:	54 m
	Ground Elevation:	1 m
	Distance to Nearest airfield:	12.7 km

Antenna 2:	Beam width:	0.18 degrees
	Orientation in Horizontal Plane:	120.38 degrees
	Orientation in Vertical Plane:	1.78
	Radius of Operation:	2.7 km
	Lower frequency:	71000 MHz
	Upper frequency:	73000 MHz
	Power:	40 milliwatts
	ERP:	16,000 watts peak
	Emission type:	A1F, 622Mb/s modulating signal, 1.75 GHz necessary bandwidth
	Antenna Elevation:	54 m
	Ground Elevation:	1 m
	Distance to Nearest airfield:	12.7 km

STA Box 5: NO (antenna will not extend more than 6 meters above existing building)

Location #4

32 Ave. of the Americas, New York City, New York
40deg, 43min, 12 sec N,
074deg, 00min, 17sec W

Box 4: Applicant seeks Commission consent for the testing and experimentation of a data telecommunications system using millimeter wave spectrum. In this experiment, Applicant seeks to test transmissions in the 71-73 GHz and 74-76 GHz bands.

Box 5: Test, Development, and demonstration of millimeter-wave technology in various environments and configurations.

Box 7: Operation Start Date: 08/07/2002
 Operation End Date: 02/07/2003

Antenna 1: Beam width: 0.18 degrees
 Orientation in Horizontal Plane: 300.38 degrees
 Orientation in Vertical Plane: -1.78 degrees
 Radius of Operation: 2.7 km
 Lower frequency: 74000 MHz
 Upper frequency: 76000 MHz
 Power: 40 milliwatts
 ERP: 16,000 watts peak
 Emission type: A1F, 622Mb/s modulating signal,
 1.75 GHz necessary bandwidth

 Antenna Elevation: 138 m
 Ground Elevation: 5 m
 Distance to Nearest airfield: 12.7 km

Antenna 2: Beam width: 0.36 degrees
 Orientation in Horizontal Plane: 186.06 degrees
 Orientation in Vertical Plane: 0.61 degrees
 Radius of Operation: 1.6 km
 Lower frequency: 74000 MHz
 Upper frequency: 76000 MHz
 Power: 40 milliwatts
 ERP: 4000 watts peak
 Emission type: A1F, 622Mb/s modulating signal,
 1.75 GHz necessary bandwidth

 Antenna Elevation: 138 m
 Ground Elevation: 5 m
 Distance to Nearest airfield: 12.7 km

STA Box 5: NO (antenna will not extend more than 6 meters above existing building)

Location #5

80 Pine, New York City, New York
40deg, 42min, 18 sec N,
074deg, 00min, 24sec W

Box 4: Applicant seeks Commission consent for the testing and experimentation of a data telecommunications system using millimeter wave spectrum. In this experiment, Applicant seeks to test transmissions in the 71-73 GHz and 74-76 GHz bands.

Box 5: Test, Development, and demonstration of millimeter-wave technology in various environments and configurations.

Box 7: Operation Start Date: 08/07/2002
 Operation End Date: 02/07/2003

Antenna 1: Beam width: 0.36 degrees
 Orientation in Horizontal Plane: 6.06 degrees
 Orientation in Vertical Plane: -0.61 degrees
 Radius of Operation: 1.6 km
 Lower frequency: 71000 MHz
 Upper frequency: 73000 MHz
 Power: 40 milliwatts
 ERP: 4000 watts peak
 Emission type: A1F, 622Mb/s modulating signal,
 1.75 GHz necessary bandwidth

 Antenna Elevation: 155 m
 Ground Elevation: 4 m
 Distance to Nearest airfield: 13.5 km

Antenna 2: Beam width: 0.36 degrees
 Orientation in Horizontal Plane: 244.38 degrees
 Orientation in Vertical Plane: -5.81 degrees
 Radius of Operation: 0.6 km
 Lower frequency: 71000 MHz
 Upper frequency: 73000 MHz
 Power: 40 milliwatts
 ERP: 4000 watts peak
 Emission type: A1F, 622Mb/s modulating signal,
 1.75 GHz necessary bandwidth

 Antenna Elevation: 155 m
 Ground Elevation: 4 m
 Distance to Nearest airfield: 13.5 km

STA Box 5: NO (antenna will not extend more than 6 meters above existing building)

Location #6

1 Whitehall, New York City, New York
40deg, 42min, 14 sec N,
074deg, 00min, 46sec W

Box 4: Applicant seeks Commission consent for the testing and experimentation of a data telecommunications system using millimeter wave spectrum. In this experiment, Applicant seeks to test transmissions in the 71-73 GHz and 74-76 GHz bands.

Box 5: Test, Development, and demonstration of millimeter-wave technology in various environments and configurations.

Box 7: Operation Start Date: 08/07/2002
 Operation End Date: 02/07/2003

Antenna 1: Beam width: 0.36 degrees
 Orientation in Horizontal Plane: 64.38 degrees
 Orientation in Vertical Plane: 5.81 degrees
 Radius of Operation: 0.6 km
 Lower frequency: 71000 MHz
 Upper frequency: 73000 MHz
 Power: 40 milliwatts
 ERP: 4000 watts peak
 Emission type: A1F, 622Mb/s modulating signal,
 1.75 GHz necessary bandwidth

 Antenna Elevation: 94 m
 Ground Elevation: 5 m
 Distance to Nearest airfield: 13.5 km

Antenna 2: Beam width: 0.36 degrees
 Orientation in Horizontal Plane: 59.62 degrees
 Orientation in Vertical Plane: 8.64 degrees
 Radius of Operation: 0.3 km
 Lower frequency: 74000 MHz
 Upper frequency: 76000 MHz
 Power: 40 milliwatts
 ERP: 4000 watts peak
 Emission type: A1F, 622Mb/s modulating signal,
 1.75 GHz necessary bandwidth

 Antenna Elevation: 94 m
 Ground Elevation: 5 m
 Distance to Nearest airfield: 13.5 km

STA Box 5: NO (antenna will not extend more than 6 meters above existing building)