

Sirius XM Radio Inc. SAT-STA-20040623-00122 IB2004001239

Date & Time Filed: Jun 23 2004 3:44:15:020PM
File Number: SAT-STA-20040623-00122
Call sign:



File # SAT-STA-20040623-00122
Call Sign _____ Grant Date 09/15/10
(or other identifier)
From 09/15/10 Term Dates see conditions
To: conditions
Approved: *Stephen J. Duall*
Stephen J. Duall
Chief, Satellite Policy Branch

Approved by OMB
3060-0678

FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY
FOR OFFICIAL USE ONLY

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
Sirius STA Extension of August 2003 Request (June 2004)

| | |
|---------------|---|
| 1. Applicant | |
| Name: | Sirius Satellite Radio Inc. |
| DBA Name: | |
| Street: | 1221 Avenue of the Americas 36th Floor |
| City: | New York |
| Country: | USA |
| Attention: | Mr Patrick L Donnelly |
| Phone Number: | 212-584-5100 |
| Fax Number: | 212-584-5275 |
| E-Mail: | |
| State: | NY |
| Zipcode: | 10020 |

Attachment to Grant
Application of Sirius XM Radio Inc. for Special Temporary Authority
IBFS File Nos. SAT-STA-20020312-00048, SAT-STA-20031219-00369, SAT-STA-20040623-00119,
SAT-STA-20040623-00122, SAT-STA-20050301-00053, SAT-STA-20070710-00097, SAT-STA-
20081020-00206

Special temporary authority (STA) is granted to Sirius XM Radio Inc. (Sirius XM), for a period of 180 days, to continue to operate previously authorized terrestrial repeaters for use in the 2320-2345 MHz frequency band, as set forth in the above-referenced applications. This authorization is granted according to the technical parameters specified in these applications and is subject to the conditions below.

1. Any actions taken as a result of these STAs are solely at the applicant's own risk. These STAs shall not prejudice the outcome of the final rules adopted by the Commission in IB Docket No. 95-91.

2. SDARS terrestrial repeaters are restricted to the simultaneous retransmission of the complete programming, and only that programming, transmitted by the SDARS licensee's satellite(s) directly to the SDARS licensee's subscribers' receivers, and may not be used to distribute any information not also transmitted to all subscribers' receivers.

3. Coordination of the operations of the terrestrial repeaters shall be completed with all affected Administrations prior to operation, in accordance with all applicable international agreements including those with Canada and Mexico.

4. The terrestrial repeaters shall comply with Part 17 of the Commission's rules – Construction, Marking, and Lighting of Antenna Structures.

5. The terrestrial repeaters shall comply with Part 1 of the Commission's rules, Subpart I – Procedures Implementing the National Environmental Policy Act of 1969, including the guidelines for human exposure to radio frequency electromagnetic fields as defined in Sections 1.1307(b) and 1.1310 of the Commission's rules.

6. Any SDARS terrestrial repeater operating at a power level greater than 2-watt average EIRP is required to attenuate its out-of-band emissions below the transmitter power P by a factor of not less than $90 + 10 \log (P)$ dB in a 1-megahertz bandwidth outside the 2320-2345 MHz band, where P is average transmitter output power in watts. Any SDARS terrestrial repeater operating at a power level equal to or less than 2-watt average EIRP is required to attenuate its out-of-band emissions below the transmitter power P by a factor of not less than $75 + 10 \log (P)$ dB in a 1-megahertz bandwidth outside the 2320-2345 MHz band, where P is average transmitter output power in watts.

7. These STAs expire after 180 days, or on the date that permanent authority to operate the covered repeater operations becomes effective, whichever occurs first.

8. Sirius XM is granted 30 days from the date of the release of this authorization to decline the authorization as conditioned. Failure to respond within that period will constitute formal acceptance of the authorization as conditioned.

9. This action is taken on delegated authority pursuant to 47 C.F.R. § 0.261 and is effective upon release. Petitions for reconsideration under 47 C.F.R. § 1.106 or applications for review under 47 C.F.R. § 1.115 may be filed within 30 days of the date of the Public Notice announcing this action.



*with conditions

File # see above
Call Sign _____ Grant Date 09/15/10
(or other identifier)
From 09/15/10 Term Dates see conditions
To: _____
Approved: Stephen J. Duall
Stephen J. Duall
Chief, Satellite Policy Branch

2. Contact

| | | | |
|-----------------------|-----------------------|----------------------|----------------|
| Name: | Mr. Carl Frank | Phone Number: | 202-719-7269 |
| Company: | Wiley Rein & Fielding | Fax Number: | 202-719-7049 |
| Street: | 1776 K Street NW | E-Mail: | cfrank@wrf.com |
| City: | Washington | State: | DC |
| Country: | USA | Zipcode: | 20006 - |
| Contact Title: | Attorney | Relationship: | Legal Counsel |

(If your application is related to an application filed with the Commission, enter the file number below.)

3. Reference File Number SATSTA2003082700299

4a. Is a fee submitted with this application?

- If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).
- Governmental Entity Noncommercial educational licensee
- Other(please explain):

4b. Fee Classification CXW – Space Station (Non-Geostationary)

5. Type Request

- Change Station Location
- Extend Expiration Date
- Other

6. Temporary Orbit Location

Not applicable

7. Requested Extended Expiration Date

2004-12-23 00:00:00.0

8. Description (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

Sirius Satellite Radio Inc. requests an extension of the special temporary authority ('STA') the FCC granted it on December 29, 2003. Specifically, it requests an extension of its STA for 180 days, or until the FCC issues final rules governing the use of satellite digital audio radio service terrestrial repeaters.

9. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application"; for these purposes. Yes No

10. Name of Person Signing
Patrick L. Donnelly

11. Title of Person Signing
Executive Vice President and General Counsel

12. Please supply any need attachments.

Attachment 1: Attachment 1

Attachment 2:

Attachment 3:

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT
(U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION
(U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

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THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.



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June 23, 2004

DELIVERY VIA COURIER TO MELLON BANK

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
c/o International Bureau—Satellites
P.O. Box 358210
Pittsburgh, PA 15251-5210

Re: Request To Extend Special Temporary Authority To Operate Satellite DARS Terrestrial Repeaters; File Nos. SAT-STA-20020827-00248 and SAT-STA-20030827-00299

Dear Ms. Dortch:

Pursuant to Section 25.120 of the Federal Communications Commission's ("FCC" or "Commission") rules,¹ Sirius Satellite Radio Inc. ("Sirius"), one of the two satellite digital audio radio service ("satellite DARS") licensees in the United States, hereby requests an extension of the special temporary authority ("STA") the Commission granted it on December 29, 2003.² Sirius requests an extension of this STA for 180 days or until such time as the Commission issues final rules governing the use of satellite DARS terrestrial repeaters.³ Grant of Sirius' extension request would serve the public interest by allowing Sirius to continue its roll-out of uniformly high quality commercial satellite DARS programming nationwide.

Attached as an Exhibit is a list of sites in which Sirius operates terrestrial repeaters pursuant to this STA and for which Sirius seeks an extension of its STA. Sirius has included the following information for each of the repeaters it operates

¹ 47 C.F.R. § 25.120.

² See Public Notice, Report No. SAT-00184, Jan. 7, 2004. In this Public Notice, the Commission granted a request for STA filed by Sirius in August 2002, File No. SAT-STA-20020827-00248, and a request for STA filed by Sirius in August 2003, File No. SAT-STA-20030827-00299.

³ *Establishment of Rules and Policies for the Digital Audio Radio Satellite Service in the 2310-2360 MHz Frequency Band*, Report and Order Memorandum Opinion and Order and Further Notice of Proposed Rulemaking, 12 FCC Red 5754, 5810-12 (1997) ("*Terrestrial Repeater NPRM*").

Ms. Marlene H. Dortch
June 23, 2004
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pursuant to its STA: (1) geographic coordinates; (2) antenna type; (3) antenna orientation; (4) antenna radiation pattern vertical downtilt; (5) total EIRP; and (6) height Above Ground Level (AGL).

For the same reasons that grant of Sirius' original STA request served the public interest, grant of Sirius' request to extend its STA will serve the public interest.⁴ The extension will allow Sirius to continue to offer "high quality radio signals to listeners in areas that have limited radio service," and ensure that no reduction in the quality of this service occurs.⁵ Further, grant of the extension request would allow the public to continue to take advantage of long-awaited satellite DARS service, which offers both an increase in listening choices and greatly improved digital quality sound.

In granting Sirius' original request, the Commission itself noted that "Sirius has proceeded with satellite construction, has in fact launched both of its satellites, and needs to employ terrestrial repeaters to provide adequate service" and that it has not yet issued final rules governing the operation of satellite DARS terrestrial repeaters.⁶ The FCC concluded that "this situation has created the extraordinary circumstances required by the statute and our rules to justify grant of an STA" and noted that "it would be unfair to penalize Sirius for complying with our required milestone schedule on the one hand but on the other hand force it to seriously delay initiation of service because there are no final repeater rules."⁷ These considerations apply with equal force here as the FCC still has not issued final repeater rules.

Sirius has established that its terrestrial repeaters will not cause harmful interference to other radio services.⁸ Nevertheless, Sirius will continue to comply with the condition placed upon its STA that it protect "all existing authorized

⁴ *Sirius Satellite Radio Inc. Application for Special Temporary Authority to Operate Satellite Digital Audio Radio Service Complementary Terrestrial Repeaters*, Order and Authorization, File No. SAT-STA-20010724-00064, DA 01-2171, ¶ 9 (Sept. 17, 2001) ("*Sirius STA Order*").

⁵ *Id.*

⁶ *Id.*, ¶ 7.

⁷ *Id.*

⁸ *Establishment of Rules and Policies for the Digital Audio Radio Service in 2310-2360 MHz Frequency Band*, Supplemental Comments of Sirius Satellite Radio (Jan. 18, 2000).

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radiocommunication facilities that are in operation during the period the STA is in effect” from interference caused by its terrestrial repeaters.⁹

Sirius also will comply with the requirements that it not (1) originate any original programming, (2) transmit signals other than those used by its satellites or (3) extend satellite DARS coverage outside of the satellites’ authorized service area.¹⁰ Sirius certifies that the out-of-band emissions of these terrestrial repeaters will be attenuated below the transmitted EIRP by no less than $75 + 10 \log (P)$.¹¹ In accordance with Part 17 of the Commission’s Rules, Sirius has or will notify the Federal Aviation Administration (“FAA”) of antenna structures for which such notification is required. 47 C.F.R. § § 17.7-17.17.

As Sirius’ extension request is timely filed, Sirius understands that, pursuant to Section 1.62 of the FCC’s Rules, 47 C.F.R. § 1.62, its STA will continue in effect without further action by the Commission until such time as the Commission shall make a final determination with respect to its request. Sirius urges the FCC to grant its extension request.

⁹ See Public Notice, Report No. SAT-00184, Jan. 7, 2004 (requiring Sirius to comply with “terms and conditions set forth in the *Sirius STA Order*”); *Sirius STA Order*, ¶¶ 13, 18(b).

¹⁰ *Sirius STA Order*, ¶ 18(c). See also *Terrestrial Repeater NPRM*, 12 FCC Rcd at 5845-46.

¹¹ *Sirius STA Order*, ¶ 18(g).

Wiley Rein & Fielding LLP

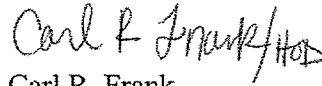
Ms. Marlene H. Dortch

June 23, 2004

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If there are any questions concerning this request, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in cursive script that reads "Carl R. Frank".

Carl R. Frank

Counsel for Sirius Satellite Radio Inc.

cc (w/encl.): Steve Duall

| Market | No Of Sectors | Antenna Type | Sector 1 | | | | Sector 2 | | | | Sector 3 | | | | Coordinates | | Antenna Height (feet) |
|----------------------------|---------------|-----------------------|-------------------|-------------|----------|--------------|-------------------|-------------|----------|--------------|-------------------|-------------|-------------|--------------|---------------|--------------|-----------------------|
| | | | Antenna Beamwidth | Orientation | Downhill | EIRP (Watts) | Antenna Beamwidth | Orientation | Downhill | EIRP (Watts) | Antenna Beamwidth | Orientation | Downhill | EIRP (Watts) | Longitude (W) | Latitude (N) | |
| Akron, OH | 1 | HMD8V90-R05-H | 90 | 320 | 0 | 14700 | - | - | - | - | - | - | - | 81-30-14.00 | 41-03-53.00 | 150 | |
| Albany, NY | 2 | Andrew HMD8V360-R05-H | Omni | - | - | 3100 | - | - | - | - | - | - | - | 73-45-55.80 | 42-39-32.18 | 178 | |
| Albuquerque, NM | 1 | HMD8V90-R05-H | 90 | 230 | 0 | 22400 | - | - | - | - | - | - | - | 106-26-58.50 | 35-12-46.50 | 65 | |
| Allentown, PA | 1 | Andrew HMD8V360-R05-H | Omni | 0 | 0 | 180.00 | - | - | - | - | - | - | - | 75-28-10.50 | 40-36-10.20 | 204 | |
| Ann Arbor, MI | 2 | HMD8V120-R05-H | 120 | 150 | 0 | 180.00 | 340 | 0 | 180.00 | - | - | - | - | 83-44-32.33 | 42-16-40.26 | 270 | |
| Arlington, TX | 1 | EMS FR90-17-00NVL | 90 | 20 | 0 | 7000.00 | - | - | - | - | - | - | - | 97-06-10.08 | 32-45-42.84 | 198 | |
| Asheville, NC | 1 | EMS FR90-17-00NVL | 90 | 140 | 0 | 7000.00 | - | - | - | - | - | - | - | 82-33-21.82 | 35-35-47.93 | 156 | |
| Atlanta, GA | 2 | Andrew HMD8V360-R05-H | Omni | - | - | 3100 | - | - | - | - | - | - | - | 84-23-13.19 | 33-45-39.46 | 1016 | |
| Atlanta, GA | 1 | EMS FR65-18-00NVL | 65 | 30 | 0 | 13800 | - | - | - | - | - | - | - | 84-20-07.00 | 33-55-16.00 | 443 | |
| Atlanta, GA | 2 | EMS FR65-18-00NVL | 65 | 100 | 8 | 6200 | 320 | 0 | 6200 | - | - | - | - | 84-28-25.09 | 33-53-59.70 | 228 | |
| Atlanta, GA | 2 | EMS FR65-18-00NVL | 65 | 30 | 0 | 13800 | 180 | 15 | 13800 | - | - | - | - | 84-22-39.00 | 33-51-07.00 | 231 | |
| Atlanta, GA | 2 | EMS FR90-17-00NVL | 90 | 180 | 0 | 4900 | 330 | 0 | 4900 | - | - | - | - | 84-23-25.80 | 33-47-54.60 | 154 | |
| Atlanta, GA | 2 | EMS FR90-17-00NVL | 90 | 220 | 0 | 7000.00 | - | - | - | - | - | - | - | 84-25-30.26 | 33-39-35.60 | 199 | |
| Atlanta, GA | 1 | EMS FR90-17-00NVL | 90 | 100 | 0 | 7000.00 | - | - | - | - | - | - | - | 84-15-19.00 | 33-43-03.00 | 150 | |
| Atlantic City/Cape May, NJ | 1 | EMS FR90-17-00NVL | 90 | 60 | 0 | 7000.00 | - | - | - | - | - | - | - | 74-26-49.83 | 39-21-02.86 | 429 | |
| Augusta, GA | 1 | EMS FR90-17-00NVL | 90 | 300 | 0 | 7000.00 | - | - | - | - | - | - | - | 81-57-52.43 | 33-28-30.07 | 127 | |
| Austin, TX | 1 | EMS FR90-16-00NVL | 90 | 175 | 0 | 8800 | - | - | - | - | - | - | - | 97-44-29.00 | 30-17-00.00 | 292 | |
| Bakersfield, CA | 1 | EMS FR90-17-00NVL | 90 | 0 | 0 | 7000.00 | 315 | 0 | 4900 | - | - | - | - | 119-01-4.56 | 35-22-23.67 | 150 | |
| Baltimore, MD | 2 | EMS FR90-17-00NVL | 90 | 45 | 0 | 4900 | - | - | - | - | - | - | - | 76-36-50.12 | 39-17-15.41 | 526 | |
| Baton Rouge, LA | 1 | EMS FR90-17-00NVL | 90 | 90 | 0 | 7000.00 | - | - | - | - | - | - | - | 91-11-17.45 | 30-27-05.47 | 310 | |
| Birmingham, AL | 2 | Andrew HMD8V360-R05-H | Omni | - | - | 3100 | - | - | - | - | - | - | - | 86-48-30.00 | 33-31-04.00 | 537 | |
| Boise, ID | 1 | EMS FR90-17-00NVL | 90 | 30 | 0 | 7000.00 | - | - | - | - | - | - | - | 116-12-08.70 | 43-38-53.07 | 267 | |
| Boston, MA | 3 | EMS FR90-17-00NVL | 90 | 30 | 0 | 3100 | 150 | 0 | 3100 | 270 | 0 | 3100 | 71-03-41.12 | 42-21-30.60 | 554 | | |
| Boston, MA | 1 | EMS FR90-17-00NVL | 90 | 235 | 0 | 7000.00 | - | - | - | - | - | - | - | 71-14-07.80 | 42-20-51.65 | 200 | |
| Boston, MA | 1 | EMS FR90-17-00NVL | 90 | 180 | 0 | 7000.00 | - | - | - | - | - | - | - | 71-02-30.82 | 42-16-26.65 | 210 | |
| Bridgeport, CT | 2 | EMS RV80-18-00NVL | 80 | 50 | 0 | 360.00 | 310 | 0 | 360.00 | - | - | - | - | 73-11-19.05 | 41-10-42.35 | 240 | |
| Buffalo, NY | 1 | EMS FR90-17-00NVL | 90 | 30 | 0 | 11000 | - | - | - | - | - | - | - | 76-52-55.00 | 42-52-47.00 | 580 | |
| Charleston, SC | 1 | EMS FR90-17-00NVL | 90 | 300 | 0 | 7000.00 | - | - | - | - | - | - | - | 79-56-12.81 | 32-47-10.42 | 164 | |
| Charleston, WV | 1 | EMS FR90-17-00NVL | 90 | 230 | 0 | 7000.00 | - | - | - | - | - | - | - | 81-37-56.37 | 38-21-02.68 | 384 | |
| Charlotte, NC | 2 | EMS FR90-16-00NVL | 90 | 20 | 0 | 3900 | 110 | 0 | 3900 | - | - | - | - | 80-50-49.74 | 35-13-29.49 | 524 | |
| Chattanooga, TN | 1 | EMS FR90-17-00NVL | 90 | 140 | 0 | 7000.00 | - | - | - | - | - | - | - | 85-18-41.84 | 35-02-56.86 | 300 | |
| Chicago, IL | 2 | EMS FR90-17-00NVL | 90 | 235 | 0 | 4900 | 340 | 0 | 4900 | - | - | - | - | 87-37-17.81 | 41-53-6.88 | 998 | |
| Chicago, IL | 2 | EMS FR90-17-00NVL | 90 | 170 | 0 | 4900 | 340 | 0 | 4900 | - | - | - | - | 87-39-18.00 | 41-58-50.00 | 286 | |
| Chicago, IL | 2 | EMS FR65-18-00NVL | 65 | 180 | 15 | 13800 | 330 | 6 | 13800 | - | - | - | - | 87-35-25.68 | 41-48-24.88 | 250 | |
| Chicago, IL | 1 | EMS FR90-17-00NVL | 90 | 165 | 0 | 7000.00 | - | - | - | - | - | - | - | 87-51-34.67 | 41-59-27.33 | 130 | |
| Chicago, IL | 1 | EMS FR90-17-00NVL | 90 | 290 | 0 | 7000.00 | - | - | - | - | - | - | - | 84-30-51.00 | 39-06-24.00 | 308 | |
| Cincinnati, OH | 2 | Andrew HMD8V360-R05-H | Omni | - | - | 3100 | - | - | - | - | - | - | - | 81-41-34.37 | 41-29-58.50 | 656 | |
| Cleveland, OH | 2 | EMS FR90-16-00NVL | 90 | 70 | 0 | 3900 | 260 | 0 | 3900 | - | - | - | - | 104-49-31.14 | 38-49-57.18 | 230 | |
| Colorado Springs, CO | 1 | EMS FR90-17-00NVL | 90 | 30 | 0 | 7000.00 | - | - | - | - | - | - | - | 81-01-53.60 | 34-00-07.80 | 290 | |
| Columbia, SC | 1 | Andrew HMD8V360-R05-H | Omni | 0 | 0 | 180.00 | - | - | - | - | - | - | - | 82-59-46.00 | 39-57-47.00 | 442 | |
| Columbus, OH | 2 | Andrew HMD8V360-R05-H | Omni | 250 | 0 | 7000.00 | - | - | - | - | - | - | - | 97-23-23.14 | 27-47-55.45 | 411 | |
| Corpus Christi, TX | 1 | EMS FR90-17-00NVL | 90 | 80 | 0 | 7000 | 80 | 0 | 7000 | - | - | - | - | 96-47-52.23 | 32-47-8.95 | 489 | |
| Dallas, TX | 2 | HMD8V120-R05-H | 120 | 315 | 0 | 3900 | 225 | 0 | 3900 | - | - | - | - | 97-19-46.00 | 32-45-11.00 | 525 | |
| Dallas, TX | 2 | EMS FR90-16-00NVL | 90 | 260 | 0 | 7000.00 | - | - | - | - | - | - | - | 73-26-41.28 | 41-23-55.64 | 84 | |
| Danbury, CT | 1 | EMS FR90-17-00NVL | 90 | 175 | 0 | 11000 | - | - | - | - | - | - | - | 84-11-46.00 | 39-45-39.00 | 240 | |
| Dayton, OH | 1 | EMS FR90-17-00NVL | 90 | 170 | 0 | 7000.00 | - | - | - | - | - | - | - | 104-53-49.55 | 39-37-49.74 | 229 | |
| Denver, CO | 1 | EMS FR90-17-00NVL | Omni | - | - | 3200.00 | - | - | - | - | - | - | - | 104-50-22.06 | 39-44-52.04 | 598 | |
| Denver, CO | 2 | HMD8V160-R05-H | Omni | 0 | 0 | 180.00 | - | - | - | - | - | - | - | 93-37-32.70 | 41-35-14.80 | 476 | |
| Des Moines, IA | 1 | Andrew HMD8V360-R05-H | Omni | 330 | 11 | 13800 | - | - | - | - | - | - | - | 83-02-51.00 | 42-19-50.00 | 648 | |
| Detroit, MI | 1 | EMS FR65-18-00NVL | 65 | 125 | 4 | 360.00 | 210 | 0 | 360.00 | - | - | - | - | 83-18-10.15 | 42-19-13.13 | 135 | |
| Detroit, MI | 2 | EMS RV80-18-00NVL | 80 | 50 | 0 | 360.00 | 280 | 0 | 360.00 | - | - | - | - | 83-03-50.80 | 42-22-20.00 | 190 | |
| Detroit, MI | 2 | EMS RV80-18-00NVL | 80 | 50 | 0 | 360.00 | 245 | 0 | 360.00 | - | - | - | - | 83-05-01.95 | 42-29-18.80 | 120 | |
| Detroit, MI | 3 | EMS FR65-18-00NVL | 65 | 75 | 5 | 2800.00 | 165 | 5 | 2800.00 | 315 | 0 | 6200.00 | 83-14-35.42 | 42-28-28.15 | 389 | | |
| El Paso, TX | 1 | EMS FR90-17-00NVL | 90 | 30 | 0 | 7000.00 | - | - | - | - | - | - | - | 106-29-08.41 | 31-45-37.47 | 296 | |
| Flint, MI | 1 | Andrew HMD8V360-R05-H | Omni | 0 | 0 | 180.00 | - | - | - | - | - | - | - | 83-41-24.14 | 43-00-56.46 | 260 | |
| Fresno, CA | 1 | HMD8V150-R05-H | 90 | 120 | 0 | 22400 | - | - | - | - | - | - | - | 119-52-56.90 | 36-48-59.50 | 180 | |
| Fresno, CA | 1 | EMS FR90-17-00NVL | 90 | 220 | 0 | 7000.00 | - | - | - | - | - | - | - | 119-47-40.75 | 36-44-16.47 | 173 | |

| Market | No Of Sectors | Antenna Type | Sector 1 | | | | Sector 2 | | | | Sector 3 | | | | Antenna Height (feet) | |
|----------------------------|---------------|-----------------------|-------------------|-------------|----------|--------------|-------------------|-------------|----------|--------------|-------------------|-------------|----------|--------------|-----------------------|---------------|
| | | | Antenna Beamwidth | Orientation | Downlink | EIRP (Watts) | Antenna Beamwidth | Orientation | Downlink | EIRP (Watts) | Antenna Beamwidth | Orientation | Downlink | EIRP (Watts) | | Longitude (W) |
| Fl Meyers, FL | 2 | EMS RV80-18-00NV | 80 | 130 | 0 | 360.00 | 80 | 310 | 0 | 360.00 | - | - | - | 81-47-26.00 | 26-33-53.00 | 154 |
| Fl Wayne, IN | 1 | EMS FR90-17-00NV | 90 | 320 | 0 | 7000.00 | - | - | - | - | - | - | - | 85-08-19.62 | 41-04-41.24 | 442 |
| Galveston, TX | 1 | EMS FR90-17-00NV | 90 | 230 | 0 | 7000.00 | - | - | - | - | - | - | - | 94-47-21.45 | 29-18-24.50 | 358 |
| Glendale, CA | 2 | EMS RV80-18-00NV | 80 | 70 | 0 | 80.00 | 330 | 0 | 80.00 | - | - | - | - | 118-16-18.05 | 34-09-17.84 | 80 |
| Grand Rapids, MI | 1 | Andrew HMD8V360-R05-H | Omni | 0 | 0 | 180.00 | - | - | - | - | - | - | - | 85-40-24.50 | 42-57-50.10 | 340 |
| Greensboro, NC | 1 | HMD8V90-R05-H | 90 | 240 | 0 | 14100.00 | - | - | - | - | - | - | - | 79-45-38.10 | 36-05-10.30 | 504 |
| Greenville, SC | 1 | EMS FR90-17-00NV | 90 | 0 | 0 | 7000.00 | - | - | - | - | - | - | - | 82-23-59.13 | 34-50-56.55 | 132 |
| Harrisburg, PA | 1 | HMD8V90-R05-H | 90 | 140 | 0 | 22400.00 | - | - | - | - | - | - | - | 76-56-45.00 | 40-19-07.00 | 178 |
| Hartford, CT | 2 | Andrew HMD8V360-R05-H | Omni | - | - | 3100.00 | - | - | - | - | - | - | - | 72-40-32.00 | 41-46-06.00 | 383 |
| Hilton Head, SC | 1 | EMS FR90-17-00NV | 90 | 300 | 0 | 7000.00 | - | - | - | - | - | - | - | 80-43-02.00 | 32-10-00.99 | 70 |
| Houston, TX | 1 | EMS FR90-17-00NV | 90 | 350 | 0 | 7000.00 | - | - | - | - | - | - | - | 95-23-48.22 | 29-56-16.20 | 188 |
| Houston, TX | 2 | HMD8V180-R05-H | 180 | 200 | 0 | 6000.00 | 270 | 0 | 6000.00 | - | - | - | - | 95-21-50.00 | 29-45-37.00 | 1000 |
| Indianapolis, IN | 1 | EMS FR90-17-00NV | 90 | 190 | 0 | 7000.00 | - | - | - | - | - | - | - | 86-35-11.82 | 34-43-51.59 | 148 |
| Indianapolis, IN | 3 | EMS FR90-17-00NV | 90 | 0 | 0 | 3100.00 | 120 | 0 | 3100.00 | 90 | 240 | 0 | 3900.00 | 86-09-20.00 | 39-46-13.00 | 532 |
| Jackson, MS | 1 | Mobile Mark OD12-2400 | Omni | - | 0 | 400.00 | - | - | - | - | - | - | - | 90-11-09.38 | 32-18-01.47 | 324 |
| Jacksonville, FL | 2 | EMS FR90-17-00NV | 90 | 30 | 0 | 4900.00 | 300 | 0 | 4900.00 | - | - | - | - | 81-39-24.00 | 30-19-08.00 | 436 |
| Jersey City, NJ | 1 | EMS FR90-17-00NV | 90 | 260 | 0 | 7000.00 | - | - | - | - | - | - | - | 74-02-03.89 | 40-42-57.09 | 548 |
| Kansas City | 2 | HMD8V180-R05-H | 180 | 160 | 0 | 5500.00 | 160 | 0 | 5500.00 | - | - | - | - | 94-34-57.00 | 39-06-12.00 | 558 |
| Knoxville, TN | 1 | HMD8V60-R05-H | 90 | 90 | 0 | 22400.00 | - | - | - | - | - | - | - | 84-01-22.60 | 35-57-46.20 | 265 |
| Kokomo, IN | 1 | Andrew HMD8V360-R05-H | Omni | 0 | 0 | 160.00 | - | - | - | - | - | - | - | 86-06-30.78 | 40-27-23.47 | 78 |
| Lakehurst-Winter Haven, FL | 1 | EMS FR90-17-00NV | 90 | 180 | 0 | 7000.00 | - | - | - | - | - | - | - | 81-57-18.65 | 28-02-37.97 | 128 |
| Lancaster, PA | 1 | EMS FR90-17-00NV | 90 | 300 | 0 | 7000.00 | - | - | - | - | - | - | - | 76-18-11.29 | 40-02-13.22 | 195 |
| Lansing, MI | 1 | EMS FR90-17-00NV | 90 | 120 | 0 | 7000.00 | - | - | - | - | - | - | - | 84-33-07.21 | 42-43-56.76 | 345 |
| Las Vegas, NV | 2 | Andrew HMD8V360-R05-H | Omni | 0 | 0 | 3100.00 | 0 | 0 | 3100.00 | - | - | - | - | 115-08-31.00 | 36-10-10.10 | 466 |
| Las Vegas, NV | 1 | EMS FR90-16-00NV | 90 | 180 | 0 | 8800.00 | - | - | - | - | - | - | - | 115-10-00.00 | 36-07-57.00 | 401 |
| Las Vegas, NV | 1 | EMS RV80-18-00NV | 80 | 180 | 0 | 100.00 | - | - | - | - | - | - | - | 115-10-19.33 | 36-08-02.24 | 250 |
| Lexington, KY | 2 | Andrew HMD8V360-R05-H | Omni | 0 | 0 | 2000.00 | 0 | 0 | 2000.00 | - | - | - | - | 84-30-01.50 | 38-02-50.80 | 333 |
| Lincoln, NE | 1 | EMS FR90-17-00NV | 90 | 330 | 0 | 7000.00 | - | - | - | - | - | - | - | 96-42-00.90 | 40-46-32.88 | 388 |
| Little Rock, AR | 2 | Andrew HMD8V360-R05-H | Omni | - | - | 3100.00 | - | - | - | - | - | - | - | 92-16-32.46 | 34-44-37.67 | 686 |
| Los Angeles, CA | 3 | EMS FR90-16-00NV | 90 | 0 | 0 | 2500.00 | 120 | 8 | 2500.00 | 90 | 240 | 4 | 2500.00 | 118-16-22.00 | 34-02-58.00 | 868 |
| Los Angeles, CA | 2 | EMS FR65-18-00NV | 65 | 90 | 15 | 13800.00 | 250 | 0 | 13800.00 | - | - | - | - | 118-27-35.00 | 34-03-03.00 | 273 |
| Los Angeles, CA | 2 | HMD8V180-R05-H | 180 | 110 | 0 | 5100.00 | 180 | 290 | 0 | 5100.00 | - | - | - | 118-23-55.00 | 34-03-20.00 | 158 |
| Los Angeles, CA | 2 | EMS FR65-18-00NV | 65 | 100 | 15 | 13800.00 | 280 | 0 | 13800.00 | - | - | - | - | 118-21-04.55 | 34-03-44.18 | 372 |
| Los Angeles, CA | 2 | EMS FR65-18-00NV | 65 | 90 | 15 | 6200.00 | 65 | 230 | 0 | 6200.00 | - | - | - | 118-18-34.00 | 34-03-41.00 | 302 |
| Los Angeles, CA | 1 | EMS FR65-18-00NV | 65 | 30 | 0 | 13800.00 | - | - | - | - | - | - | - | 118-11-44.00 | 34-09-48.00 | 78 |
| Los Angeles, CA | 1 | EMS FR65-18-00NV | 65 | 0 | 0 | 13800.00 | - | - | - | - | - | - | - | 118-15-26.39 | 34-08-29.27 | 98 |
| Los Angeles, CA | 2 | EMS FR65-18-00NV | 65 | 135 | 0 | 13800.00 | 65 | 225 | 0 | 13800.00 | - | - | - | 118-11-09.00 | 33-46-03.00 | 146 |
| Los Angeles, CA | 2 | EMS FR65-18-00NV | 65 | 0 | 15 | 6200.00 | 65 | 130 | 0 | 6200.00 | - | - | - | 117-52-8.01 | 33-46-34.23 | 120 |
| Los Angeles, CA | 2 | EMS FR65-18-00NV | 65 | 160 | 0 | 13800.00 | 65 | 225 | 0 | 13800.00 | - | - | - | 117-52-52.00 | 33-41-22.00 | 159 |
| Los Angeles, CA | 2 | EMS FR65-18-00NV | 65 | 0 | 0 | 13800.00 | 65 | 320 | 0 | 13800.00 | - | - | - | 118-22-03.00 | 34-07-34.00 | 50 |
| Los Angeles, CA | 1 | EMS FR65-18-00NV | 65 | 290 | 0 | 13800.00 | - | - | - | - | - | - | - | 118-27-56.86 | 34-09-15.13 | 218 |
| Los Angeles, CA | 1 | EMS RV80-18-00NV | 80 | 15 | 0 | 800.00 | 130 | 0 | 800.00 | - | - | - | - | 118-08-30.20 | 33-48-14.50 | 155 |
| Los Angeles, CA | 2 | EMS RV80-18-00NV | 80 | 230 | 0 | 800.00 | - | - | - | - | - | - | - | 117-45-00.18 | 33-39-32.54 | 148 |
| Los Angeles, CA | 2 | EMS FR65-18-00NV | 65 | 80 | 0 | 3500.00 | 200 | 0 | 3500.00 | - | - | - | - | 118-23-05.38 | 33-56-44.38 | 180 |
| Los Angeles, CA | 1 | EMS FR90-17-00NV | 90 | 280 | 0 | 7000.00 | - | - | - | - | - | - | - | 117-22-20.00 | 33-59-09.00 | 140 |
| Los Angeles, CA | 1 | EMS FR90-17-00NV | 90 | 100 | 0 | 7000.00 | - | - | - | - | - | - | - | 117-32-32.82 | 33-52-51.943 | 208 |
| Los Angeles, CA | 1 | EMS FR90-17-00NV | 90 | 45 | 0 | 7000.00 | - | - | - | - | - | - | - | 117-43-33.79 | 34-02-37.96 | 146 |
| Los Angeles, CA | 1 | EMS FR90-17-00NV | 90 | 130 | 0 | 7000.00 | - | - | - | - | - | - | - | 118-08-37.64 | 34-08-32.51 | 140 |
| Los Angeles, CA | 1 | EMS FR90-17-00NV | 90 | 143 | 0 | 7000.00 | - | - | - | - | - | - | - | 117-55-30.39 | 33-48-37.79 | 140 |
| Los Angeles, CA | 1 | EMS FR90-17-00NV | 90 | 110 | 0 | 7000.00 | - | - | - | - | - | - | - | 117-52-27.79 | 33-37-04.91 | 200 |
| Louisville, KY | 2 | Andrew HMD8V360-R05-H | Omni | - | - | 3100.00 | - | - | - | - | - | - | - | 117-48-49.79 | 33-51-49.94 | 250 |
| Lowell, MA | 1 | EMS FR90-17-00NV | 90 | 0 | 0 | 7000.00 | Omni | - | - | - | - | - | - | 85-45-28.00 | 38-15-20.00 | 560 |
| Macomb, GA | 1 | EMS FR90-17-00NV | 90 | 180 | 0 | 7000.00 | - | - | - | - | - | - | - | 71-18-44.06 | 42-38-57.14 | 220 |
| Madison, WI | 1 | Andrew HMD8V360-R05-H | Omni | 0 | 0 | 160.00 | - | - | - | - | - | - | - | 83-37-37.40 | 32-50-13.73 | 125 |
| Manchester, MA | 1 | EMS FR90-17-00NV | 90 | 0 | 0 | 7000.00 | - | - | - | - | - | - | - | 89-23-07.58 | 43-04-25.54 | 190 |
| Marin County, CA | 1 | EMS FR90-17-00NV | 90 | 330 | 0 | 7000.00 | - | - | - | - | - | - | - | 122-43-34.03 | 37-54-48.87 | 320 |
| Memphis, TN | 2 | Andrew HMD8V360-R05-H | Omni | - | - | 3100.00 | - | - | - | - | - | - | - | 90-02-59.80 | 35-08-58.70 | 358 |

| Market | No Of Sectors | Antenna Type | Sector 1 | | | | Sector 2 | | | | Sector 3 | | | | Antenna Height (feet) | |
|------------------------------|---------------|-------------------------------------|-------------------|-------------|----------|--------------|-------------------|-------------|----------|--------------|-------------------|-------------|--------------|--------------|-----------------------|---------------|
| | | | Antenna Beamwidth | Orientation | Downfill | EIRP (Watts) | Antenna Beamwidth | Orientation | Downfill | EIRP (Watts) | Antenna Beamwidth | Orientation | Downfill | EIRP (Watts) | | Longitude (W) |
| Miami, FL | 2 | EMS FR90-17-00NVL | 90 | 0 | 5 | 4900 | 90 | 230 | 0 | 4900 | - | - | - | 80-11-31.00 | 25-46-19.00 | 696 |
| Miami, FL | 1 | EMS FR90-17-00NVL | 90 | 30 | 0 | 11000 | - | - | - | - | - | - | - | 80-08-30.84 | 26-06-50.67 | 640 |
| Miami, FL | 1 | EMS FR90-17-00NVL | 90 | 290 | 0 | 7000.00 | - | - | - | - | - | - | - | 80-19-25.81 | 25-49-24.64 | 205 |
| Miami, FL | 1 | EMS FR90-17-00NVL | 90 | 255 | 0 | 7000.00 | - | - | - | - | - | - | - | 80-21-20.81 | 25-35-46.62 | 220 |
| Milwaukee, WI | 2 | EMS FR90-16-00NVL | 90 | 265 | 0 | 3900 | 365 | 0 | 3900 | - | - | - | 87-54-06.69 | 43-02-17.95 | 568 | |
| Minneapolis, MN | 2 | Andrew HMDV120-R05-H | 120 | 315 | 0 | 7000 | 315 | 0 | 7000 | - | - | - | 93-16-16.00 | 44-56-36.00 | 775 | |
| Minneapolis, MN | 1 | EMS FR90-16-00NVL | 90 | 103 | 0 | 8800 | - | - | - | - | - | - | 93-05-43.00 | 44-56-52.00 | 500 | |
| Minneapolis, MN | 1 | EMS FR90-17-00NVL | 90 | 220 | 0 | 7000.00 | - | - | - | - | - | - | 93-13-34.20 | 44-51-21.12 | 232 | |
| Mobile, AL | 1 | HMD8V180-R05-H | 180 | 270 | 0 | 3200.00 | - | - | - | - | - | - | 88-02-29.22 | 30-41-34.80 | 507 | |
| Modesto, CA | 1 | EMS FR90-17-00NVL | 90 | 105 | 0 | 7000.00 | - | - | - | - | - | - | 121-00-20.98 | 37-36-34.73 | 150 | |
| Monterey, CA | 1 | HMD8V180-R05-H | 180 | 180 | 0 | 9000 | - | - | - | - | - | - | 121-51-24.00 | 36-36-26.00 | 135 | |
| Naples, FL | 1 | Andrew HMDV360-R05-H | Omni | 0 | 0 | 160.00 | - | - | - | - | - | - | 81-45-50.00 | 28-09-18.99 | 110 | |
| Nashville, TN | 2 | Andrew HMDV360-R05-H | Omni | - | - | 3100 | Omni | - | - | 3100 | - | - | 72-48-16.64 | 41-33-03.65 | 180 | |
| New Haven, CT | 1 | EMS FR90-17-00NVL | 90 | 110 | 0 | 7000.00 | - | - | - | - | - | - | 72-55-20.00 | 41-18-33.00 | 243 | |
| New Haven, CT | 2 | EMS FR90-17-00NVL | 90 | 205 | 0 | 4900.00 | 295 | 0 | 4900.00 | - | - | - | 90-04-16.00 | 29-57-00.00 | 626 | |
| New Orleans, LA | 2 | Andrew HMDV360-R05-H | Omni | - | - | 3100 | Omni | - | - | 3100 | - | - | 90-11-59.67 | 29-54-52.97 | 175 | |
| New Orleans, LA | 1 | EMS FR90-17-00NVL | 90 | 270 | 0 | 7000.00 | - | - | - | - | - | - | 73-58-22.93 | 40-51-18.12 | 210 | |
| New York, NY | 3 | EMS FR90-16-00NVL | 90 | 30 | 6 | 2500 | 195 | 0 | 2500 | 2500 | 0 | 2500 | 73-58-55.20 | 40-45-33.00 | 670 | |
| New York, NY | 2 | EMS FR90-17-00NVL EMS FR65-18-00NVL | 90 | 140 | 0 | 4900 | 350 | 8 | 6200 | - | - | - | 73-57-01.70 | 40-46-30.00 | 560 | |
| New York, NY | 1 | EMS FR65-18-00NVL | 65 | 160 | 0 | 13800 | - | - | - | - | - | - | 74-00-40.32 | 40-42-29.88 | 524 | |
| New York, NY | 1 | HMD8V360-R05-H | Omni | - | - | 9000 | - | - | - | - | - | - | 73-59-48.00 | 40-42-54.00 | 474 | |
| New York, NY | 2 | EMS FR90-17-00NVL EMS FR65-18-00NVL | 90 | 5 | 0 | 4900 | 65 | 160 | 6200 | 6200 | 12 | 6200 | 73-54-19.50 | 40-51-57.50 | 170 | |
| New York, NY | 2 | EMS FR90-17-00NVL | 90 | 0 | 5 | 4900 | 90 | 180 | 4900 | - | - | - | 73-56-36.00 | 40-46-54.00 | 180 | |
| New York, NY | 2 | EMS FR65-18-00NVL | 65 | 15 | 3 | 13800 | 65 | 320 | 13800 | - | - | - | 73-58-22.93 | 40-51-18.12 | 210 | |
| New York, NY | 1 | HMD8V180-R05-H | 180 | 110 | 0 | 16300 | - | - | - | - | - | - | 74-00-03.00 | 40-47-25.00 | 438 | |
| New York, NY | 2 | EMS FR90-17-00NVL EMS FR65-18-00NVL | 90 | 315 | 0 | 4900 | 65 | 45 | 6200 | 6200 | 8 | 6200 | 73-45-44.75 | 41-01-51.38 | 261 | |
| New York, NY | 1 | EMS FR90-17-00NVL | 90 | 100 | 0 | 7000.00 | - | - | - | - | - | - | 73-49-51.83 | 40-42-52.63 | 239 | |
| New York, NY | 1 | EMS FR90-17-00NVL | 90 | 75 | 0 | 7000.00 | - | - | - | - | - | - | 73-29-28.42 | 40-49-18.98 | 178 | |
| New York, NY | 1 | EMS FR90-17-00NVL | 90 | 90 | 0 | 7000.00 | - | - | - | - | - | - | 73-21-51.36 | 40-42-32.75 | 175 | |
| New York, NY | 2 | EMS FR65-18-00NVL | 65 | 30 | 0 | 7000.00 | 65 | 330 | 7000.00 | 7000.00 | 0 | 7000.00 | 74-00-26.74 | 41-02-56.88 | 300 | |
| New York, NY | 1 | EMS FR90-17-00NVL | 90 | 160 | 0 | 7000.00 | - | - | - | - | - | - | 73-58-26.76 | 40-40-13.44 | 212 | |
| New York, NY | 1 | EMS FR90-17-00NVL | 90 | 135 | 0 | 7000.00 | - | - | - | - | - | - | 73-47-48.12 | 40-40-00.12 | 150 | |
| Newark, NJ | 1 | EMS FR65-18-00NVL | 65 | 260 | 5 | 13800 | - | - | - | - | - | - | 74-10-11.00 | 40-44-07.00 | 334 | |
| Newark, NJ | 1 | EMS FR90-17-00NVL | 90 | 295 | 0 | 7000.00 | - | - | - | - | - | - | 74-13-31.31 | 40-45-45.88 | 98 | |
| Newark, NJ | 1 | EMS FR90-17-00NVL | 90 | 250 | 0 | 7000.00 | - | - | - | - | - | - | 74-12-59.48 | 40-39-42.63 | 243 | |
| Newark, NJ | 1 | EMS FR90-17-00NVL | 90 | 250 | 0 | 7000.00 | - | - | - | - | - | - | 74-11-21.48 | 40-43-53.32 | 165 | |
| Newark, NJ | 1 | EMS FR90-17-00NVL | 90 | 290 | 0 | 7000.00 | - | - | - | - | - | - | 74-11-09.04 | 40-45-09.03 | 239 | |
| Norfolk, VA | 2 | Andrew HMDV360-R05-H | Omni | - | - | 3100 | Omni | - | - | 3100 | - | - | 76-17-29.21 | 36-50-44.47 | 270 | |
| North Hollywood/ Burbank, CA | 1 | EMS RV80-18-00NVL | 80 | 330 | 0 | 800.00 | - | - | - | - | - | - | 118-22-11.00 | 34-08-44.00 | 90 | |
| Oakland, CA | 1 | EMS FR90-17-00NVL | 90 | 80 | 0 | 7000.00 | - | - | - | - | - | - | 122-15-54.63 | 37-48-39.24 | 404 | |
| Oklahoma City, OK | 1 | HMD8V90-R05-H | 90 | 190 | 0 | 22400 | - | - | - | - | - | - | 97-29-22.00 | 35-35-52.00 | 400 | |
| Omaha, NE | 1 | EMS FR90-17-00NVL | 90 | 45 | 0 | 7000.00 | - | - | - | - | - | - | 95-56-13.54 | 41-16-34.23 | 634 | |
| Orlando, FL | 2 | EMS FR90-17-00NVL | 90-x2 | 45/315 | 0 | 2500 | 90-x2 | 135/225 | 2500 | - | - | - | 81-22-44.32 | 28-32-37.45 | 312 | |
| Orlando, FL | 1 | EMS RV80-18-00NVL | 80 | 130 | 0 | 800.00 | - | - | - | - | - | - | 81-20-17.6 | 28-27-15.7 | 90 | |
| Palm Beach, FL | 1 | EMS FR90-17-00NVL | 90 | 10 | 0 | 7000.00 | - | - | - | - | - | - | 80-04-8.46 | 26-27-37.50 | 165 | |
| Paramus, NJ | 2 | EMS FR90-17-00NVL | 90 | 160 | 0 | 800.00 | 90 | 315 | 800.00 | 800.00 | 0 | 800.00 | 74-04-24.30 | 40-57-41.52 | 165 | |
| Pebble Beach, CA | 1 | EMS FR90-17-00NVL | 90 | 270 | 0 | 7000.00 | - | - | - | - | - | - | 121-55-19.00 | 36-35-10.00 | 45 | |
| Pensacola, FL | 1 | EMS FR90-17-00NVL | 90 | 0 | 0 | 7000.00 | - | - | - | - | - | - | 87-12-53.48 | 30-24-37.41 | 125 | |
| Philadelphia, PA | 2 | EMS FR90-17-00NVL | 90 | 120 | 0 | 4900 | 90 | 280 | 4900 | 4900 | 0 | 4900 | 75-10-11.00 | 39-57-13.00 | 758 | |
| Philadelphia, PA | 1 | EMS FR90-17-00NVL | 90 | 300 | 0 | 7000.00 | - | - | - | - | - | - | 75-12-11.16 | 40-00-11.52 | 280 | |
| Philadelphia, PA | 1 | EMS FR90-17-00NVL | 90 | 356 | 0 | 7000.00 | - | - | - | - | - | - | 75-10-27.74 | 40-01-34.85 | 160 | |
| Philadelphia, PA | 1 | EMS FR90-17-00NVL | 90 | 215 | 0 | 7000.00 | - | - | - | - | - | - | 75-13-50.88 | 39-54-07.80 | 151 | |
| Phoenix, AZ | 2 | HMD8V360-R05-H | Omni | - | - | 3100 | Omni | - | - | 3100 | - | - | 112-04-23.66 | 33-28-37.70 | 298 | |
| Pittsburgh, PA | 2 | EMS FR90-17-00NVL | 90 | 90 | 0 | 4900 | 90 | 270 | 4900 | 4900 | 0 | 4900 | 79-59-42.00 | 40-26-29.00 | 690 | |
| Pittsburgh, PA | 1 | EMS FR90-17-00NVL | 90 | 180 | 0 | 7000.00 | - | - | - | - | - | - | 80-06-03.80 | 40-23-27.75 | 195 | |
| Port Chester, NY | 1 | EMS FR65-18-00NVL | 65 | 50 | 0 | 7000.00 | - | - | - | - | - | - | 73-40-26.00 | 41-00-19.00 | 80 | |
| Portland, OR | 2 | EMS FR90-17-00NVL | 90 | 0 | 0 | 4900 | 90 | 190 | 4900 | 4900 | 0 | 4900 | 122-40-33.74 | 45-30-47.16 | 464 | |
| Portland, ME | 1 | EMS FR90-17-00NVL | 90 | 240 | 0 | 7000.00 | - | - | - | - | - | - | 70-15-13.24 | 43-39-40.37 | 200 | |
| Providence, RI | 3 | EMS FR90-17-00NVL | 90 | 0 | 0 | 3100 | 90 | 120 | 3100 | 3100 | 0 | 3100 | 71-24-36.94 | 41-49-29.33 | 421 | |

| Market | No Of Sectors | Antenna Type | Sector 1 | | | | Sector 2 | | | | Sector 3 | | | | Coordinates | | Antenna Height (feet) | |
|-----------------------|---------------|--------------------------------------|-------------------|-------------|----------|--------------|-------------------|-------------|----------|--------------|-------------------|-------------|----------|--------------|---------------|--------------|-----------------------|-----|
| | | | Antenna Beamwidth | Orientation | Downlink | EIRP (Watts) | Antenna Beamwidth | Orientation | Downlink | EIRP (Watts) | Antenna Beamwidth | Orientation | Downlink | EIRP (Watts) | Longitude (W) | Latitude (N) | | |
| Providence, RI | 1 | EMS FR90-17-00NVL | 90 | 245 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 71-27-46.79 | 41-43-40.64 | 204 |
| Raleigh, NC | 2 | EMS FR90-16-00NVL | 90 | 45 | 0 | 3900 | 90 | - | 0 | - | - | - | - | - | - | 78-38-25.00 | 35-46-27.00 | 458 |
| Raleigh-Durham, NC | 1 | Andrew HMD8V360-R05-H | Omni | 0 | 0 | 180.00 | 90 | 315 | 0 | - | - | - | - | - | - | 78-54-08.70 | 35-59-53.30 | 239 |
| Reading, PA | 1 | EMS FR90-17-00NVL | 90 | 270 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 75-55-29.37 | 40-20-10.35 | 275 |
| Redlands, CA | 1 | EMS FR90-17-00NVL | 90 | 110 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 117-12-02.86 | 34-04-04.95 | 190 |
| Reno, NV | 1 | Andrew HMD8V360-R05-H | Omni | 0 | 0 | 180.00 | 90 | - | 0 | - | - | - | - | - | - | 119-48-56.23 | 39-31-31.00 | 280 |
| Richardson, TX | 1 | EMS FR90-17-00NVL | 90 | 20 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 96-49-06.36 | 32-55-22.14 | 225 |
| Richmond, VA | 2 | EMS FR90-16-00NVL | 90 | 65 | 0 | 3900 | 90 | 305 | 0 | - | - | - | - | - | - | 77-26-06.00 | 37-32-11.94 | 369 |
| Roanoke, VA | 1 | EMS FR90-17-00NVL | 90 | 0 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 79-56-25.65 | 37-16-21.87 | 320 |
| Rochester, NY | 2 | EMS FR90-17-00NVL | 90 | 130 | 0 | 4900 | 90 | 220 | 0 | - | - | - | - | - | - | 77-36-33.00 | 43-09-23.00 | 365 |
| Sacramento, CA | 2 | EMS FR90-17-00NVL | 90 | 50 | 0 | 4900 | 90 | 320 | 0 | - | - | - | - | - | - | 121-29-27.00 | 38-34-28.00 | 140 |
| Salt Lake City, UT | 1 | EMS FR90-16-00NVL | 90 | 290 | 0 | 8600 | 90 | - | 0 | - | - | - | - | - | - | 111-51-02.40 | 40-45-28.80 | 135 |
| San Antonio, TX | 1 | EMS FR90-16-00NVL | 90 | 110 | 0 | 8600 | 90 | - | 0 | - | - | - | - | - | - | 98-29-32.00 | 29-25-42.00 | 428 |
| San Bernardino, CA | 1 | EMS FR90-17-00NVL | 90 | 80 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 117-17-35.6 | 34-08-23.64 | 182 |
| San Diego, CA | 2 | EMS FR90-17-00NVL | 90 | 60 | 0 | 4900 | 90 | 240 | 0 | - | - | - | - | - | - | 117-09-43.28 | 32-42-57.70 | 450 |
| San Diego, CA | 1 | EMS FR90-17-00NVL | 90 | 330 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 117-07-35.88 | 32-46-27.82 | 187 |
| San Francisco, CA | 2 | EMS FR90-17-00NVL, EMS FR85-18-00NVL | 90 | 0 | 0 | 4900 | 65 | 90 | 15 | - | - | - | - | - | - | 122-26-03.00 | 37-41-12.00 | 100 |
| San Francisco, CA | 1 | HMD8V120-R05-H | 120 | 50 | 0 | 15600 | - | - | 0 | - | - | - | - | - | - | 122-27-05.00 | 37-45-20.00 | 382 |
| San Francisco, CA | 1 | EMS FR90-17-00NVL | 90 | 165 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 122-26-51.10 | 37-38-44.23 | 202 |
| San Francisco, CA | 1 | EMS FR90-17-00NVL | 90 | 290 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 122-01-44.28 | 37-58-29.08 | 201 |
| San Francisco, CA | 1 | EMS FR90-17-00NVL | 90 | 150 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 122-09-28.13 | 37-26-56.22 | 282 |
| San Francisco, CA | 1 | EMS FR90-17-00NVL | 90 | 180 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 122-05-34.13 | 37-36-47.25 | 139 |
| San Jose, CA | 1 | EMS FR90-17-00NVL | 90 | 290 | 3 | 11000 | 90 | - | 0 | - | - | - | - | - | - | 121-45-11.23 | 37-19-20.06 | 20 |
| San Jose, CA | 1 | EMS FR90-17-00NVL | 90 | 140 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 121-57-00.22 | 37-21-56.82 | 125 |
| Santa Barbara, CA | 1 | EMS FR90-17-00NVL | 90 | 0 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 119-50-53.99 | 34-24-46.00 | 207 |
| Santa Cruz, CA | 1 | HMD8V180-R05-H | 180 | 180 | 0 | 9000 | 90 | - | 0 | - | - | - | - | - | - | 121-59-45.00 | 36-59-35.50 | 60 |
| Santa Rosa, CA | 1 | EMS FR90-17-00NVL | 90 | 80 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 122-42-29.54 | 38-28-13.02 | 140 |
| Sarasota, FL | 1 | EMS FR90-17-00NVL | 90 | 90 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 82-34-46.15 | 27-19-18.93 | 250 |
| Scranton, PA | 1 | EMS FR90-17-00NVL | 90 | 0 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 75-39-54.81 | 41-24-32.15 | 165 |
| Seattle, WA | 2 | EMS FR90-17-00NVL | 90 | 180 | 0 | 4800 | 90 | 330 | 0 | - | - | - | - | - | - | 122-19-41.77 | 47-36-16.71 | 943 |
| Seattle, WA | 1 | EMS FR90-17-00NVL | 90 | 110 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 122-11-46.22 | 47-36-53.23 | 358 |
| Shreveport, LA | 1 | EMS FR90-17-00NVL | 90 | 300 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 93-44-52.49 | 32-30-50.25 | 364 |
| Spokane, WA | 1 | EMS FR90-17-00NVL | 90 | 120 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 117-25-16.63 | 47-39-28.91 | 288 |
| Springfield, MA | 1 | HMD8V90-R05-H | 90 | 90 | 0 | 14200 | 90 | - | 0 | - | - | - | - | - | - | 72-38-33.50 | 42-06-09.50 | 445 |
| Springfield, MA | 2 | HMD8V180-R05-H | 180 | 0 | 0 | 3500.00 | 180 | 0 | 0 | - | - | - | - | - | - | 72-35-26.99 | 42-06-08.00 | 334 |
| Stamford, CT | 1 | EMS FR90-17-00NVL | 90 | 35 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 73-32-07.60 | 41-03-02.57 | 200 |
| Stamford, CT | 2 | EMS FR90-17-00NVL | 90 | 25 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 73-26-04.20 | 41-08-52.20 | 220 |
| St. Louis, MO | 2 | HMD8V180-R05-H | 180 | 180 | 0 | 4800 | 180 | 180 | 0 | - | - | - | - | - | - | 90-11-26.00 | 38-37-48.00 | 482 |
| Stockton, CA | 1 | EMS FR90-17-00NVL | 90 | 310 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 121-17-12.15 | 37-57-11.92 | 142 |
| Syracuse, NY | 2 | EMS FR90-17-00NVL | 90 | 160 | 0 | 4900 | 90 | 280 | 0 | - | - | - | - | - | - | 76-08-32.00 | 43-02-49.00 | 207 |
| Tacoma, WA | 2 | EMS FR65-18-00NVL | 65 | 170 | 0 | 3500.00 | 65 | 330 | 0 | - | - | - | - | - | - | 122-26-16.91 | 47-15-07.84 | 215 |
| Tampa, FL | 2 | Andrew HMD8V360-R05-H | Omni | - | - | 3100 | Omni | - | - | - | - | - | - | - | - | 82-27-33.00 | 27-56-48.00 | 576 |
| Toledo, OH | 2 | Andrew HMD8V360-R05-H | Omni | 0 | 0 | 2000.00 | Omni | 0 | 0 | - | - | - | - | - | - | 83-32-07.10 | 41-39-04.00 | 400 |
| Trenton, NJ | 2 | HMD8V180-R05-H | 180 | 20 | 0 | 7000.00 | 180 | 20 | 0 | - | - | - | - | - | - | 74-46-03.54 | 40-13-12.780 | 180 |
| Tucson, AZ | 1 | HMD8V120-R05-H | 120 | 135 | 0 | 11300 | - | - | 0 | - | - | - | - | - | - | 110-58-16.50 | 32-13-20.10 | 285 |
| Tulsa, OK | 1 | EMS FR90-16-00NVL | 90 | 240 | 0 | 8800 | 90 | - | 0 | - | - | - | - | - | - | 95-57-10.85 | 36-10-10.02 | 400 |
| Tyson's Corner, VA | 2 | EMS FR90-17-00NVL | 90 | 100 | 0 | 7000.00 | 90 | 290 | 0 | - | - | - | - | - | - | 77-13-43.70 | 38-55-22.70 | 165 |
| Vallejo-Fairfield, CA | 1 | EMS FR90-17-00NVL | 90 | 45 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 122-15-23.70 | 38-06-04.3 | 65 |
| Ventura, CA | 1 | EMS FR90-17-00NVL | 90 | 30 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 119-17-37.94 | 34-16-36.26 | 120 |
| Washington D.C. | 2 | Andrew HMD8V360-R05-H | Omni | - | - | 3100 | Omni | - | - | - | - | - | - | - | - | 77-04-35.08 | 38-53-43.60 | 198 |
| Washington D.C. | 2 | EMS FR90-17-00NVL | 90 | 90 | 0 | 4900 | 90 | 250 | 0 | - | - | - | - | - | - | 77-03-39.00 | 38-51-45.00 | 208 |
| Washington D.C. | 1 | EMS FR90-17-00NVL | 90 | 240 | 0 | 11000 | 90 | - | 0 | - | - | - | - | - | - | 77-06-55.87 | 38-50-36.60 | 208 |
| Washington D.C. | 3 | EMS FR90-17-00NVL, EMS FR65-18-00NVL | 90 | 90 | 7 | 3100 | 65 | 210 | 7 | - | - | - | - | - | - | 77-05-44.00 | 38-59-07.00 | 200 |
| Washington D.C. | 1 | EMS FR90-17-00NVL | 90 | 150 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 76-56-59.00 | 38-51-38.00 | 220 |
| Washington D.C. | 1 | EMS FR90-17-00NVL | 90 | 180 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 77-02-34.08 | 38-48-44.60 | 155 |
| Washington D.C. | 1 | EMS FR90-17-00NVL | 90 | 90 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 76-52-57.10 | 38-59-26.60 | 205 |
| Washington D.C. | 1 | EMS FR90-17-00NVL | 90 | 315 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 77-08-30.08 | 39-00-56.60 | 255 |
| Washington D.C. | 1 | EMS FR90-17-00NVL | 90 | 190 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 77-10-57.07 | 38-46-51.60 | 160 |
| Washington D.C. | 1 | EMS FR90-17-00NVL | 90 | 270 | 0 | 7000.00 | 90 | - | 0 | - | - | - | - | - | - | 77-21-20.05 | 38-56-57.60 | 218 |
| Washington, D.C. | 2 | HMD8V360-R05-H | Omni | - | - | 3500.00 | Omni | - | - | - | - | - | - | - | - | 77-00-41.00 | 38-53-48.00 | 156 |

Sirius Satellite Radio

| Market | No Of Sectors | Antenna Type | Sector 1 | | | | Sector 2 | | | | Sector 3 | | | | Coordinates | | Antenna Height (feet) |
|---------------------|---------------|-----------------------|-------------------|-------------|----------|--------------|-------------------|-------------|----------|--------------|-------------------|-------------|----------|--------------|---------------|--------------|-----------------------|
| | | | Antenna Beamwidth | Orientation | Downfill | EIRP (Watts) | Antenna Beamwidth | Orientation | Downfill | EIRP (Watts) | Antenna Beamwidth | Orientation | Downfill | EIRP (Watts) | Longitude (W) | Latitude (N) | |
| Waterbury, CT | 1 | Andrew HMD8V360-R05-H | Omni | 0 | 0 | 180.00 | - | - | - | - | - | - | - | 73-02-43.02 | 41-33-43.00 | 131 | |
| West Palm Beach, FL | 2 | HMD8V160-R05-H | 180 | 60 | 0 | 150.00 | 240 | 0 | 150.00 | - | - | - | - | 80-04-34.00 | 26-41-28.00 | 200 | |
| Wichita, KS | 1 | EMS FR80-17-00NVL | 90 | 10 | 0 | 7000.00 | - | - | - | - | - | - | - | 87-20-17.82 | 37-41-23.57 | 325 | |
| Wilmington, DE | 1 | HMD8V90-R05-H | 90 | 225 | 0 | 14200 | - | - | - | - | - | - | - | 75-32-49.00 | 39-44-53.00 | 430 | |
| Winston-Salem, NC | 1 | HMD8V90-R05-H | 90 | 30 | 0 | 14200 | - | - | - | - | - | - | - | 80-15-05.00 | 36-05-24.00 | 330 | |
| Worcester, MA | 2 | Andrew HMD8V360-R05-H | Omni | 0 | 0 | 2000.00 | 0 | 0 | 2000.00 | - | - | - | - | 71-48-12.9 | 42-15-47.66 | 333 | |