

Sirius XM Radio Inc. SAT-STA-20050301-00053 IB2005000454

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File Number: SAT-STA-20050301-00053
Callsign:



File # SPT-STA-20050301-00053

Call Sign Grant Date 09/15/10
(or other identifier)

From 09/15/10 Term Dates see
To: conditions

Approved: *Steph J. Dye*
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 Satellite Radio Inc. STA Extension of Sept. 2004 Order (DA 04-2987)

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:	PDonnelly@siriusradio.com
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.



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 LLP	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 SATSTA2003110600370

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): Check being mailed to FCC Mellon Bank in Pittsburgh.

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
2005-09-14 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. request an extension of the STA authority the FCC granted it on Sept. 15, 2004. Specifically, it requests an extension of its STA for 180 days, or until the FCC issues final rules governing the use of SDARS 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 VP and Gen. Counsel
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12. Please supply any need attachments.

Attachment 1: Exhibit A	Attachment 2: Attachment 2	Attachment 3:
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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).

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to jboley@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember — You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

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.

EXHIBIT A

Market	No Of Satets	Antenna Type	Sector 1				Sector 2				Sector 3				Coordinates		Antenna Height (feet)
			Antenna Beamwidth	Orientation	Down tilt	EIRP (Watts)	Antenna Beamwidth	Orientation	Down tilt	EIRP (Watts)	Antenna Beamwidth	Orientation	Down tilt	EIRP (Watts)	Longitude (W)	Latitude (N)	
Akron, OH	1	HMD8V90-805-H	90	320	0	14100	90	320	0	14100	81-30-14.00	41-03-53.00	150				
Albany, NY	2	HMD8V360-R05-H	Omni	-	-	5000	Omni	-	-	5000	73-45-55.80	42-30-21.18	178				
Albuquerque, NM	1	HMD8V90-R05-H	Omni	230	0	22400	-	-	-	-	106-26-58.50	35-12-46.50	65				
Allentown, PA	1	Andrew HMD8V90-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	199				
Ashville, NC	1	EMS FR90-17-00NVL	90	140	0	7000.00	-	-	-	-	82-33-21.82	35-35-47.93	166				
Atlanta GA	2	Andrew HMD8V90-R05-H	Omni	-	-	3100	-	-	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	33-55-59.70	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	1	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					
Atlanta GA	1	EMS FR90-17-00NVL	90	80	0	7000.00	-	-	-	74-26-48.83	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	-	-	-	119-01-4.56	35-22-23.67	150					
Baltimore, MD	2	EMS FR90-17-00NVL	90	45	0	4900	315	0	4900	76-56-50.12	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	HMD8V360-R05-H	Omni	-	-	5000	-	-	5000	86-48-30.00	33-11-04.00	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	71-03-41.2	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	-	-	360.00	73-11-19.05	41-10-42.35	240					
Bridgport, CT	2	EMS FR90-18-00NVL	80	50	0	360.00	90	310	-	78-52-35.00	42-16-26.65	580					
Buffalo, NY	1	EMS FR90-17-00NVL	90	30	0	11000	-	-	-	79-56-12.81	32-47-10.42	154					
Charleston, SC	1	EMS FR90-17-00NVL	90	300	0	7000.00	-	-	-	81-57-56.37	38-21-02.68	364					
Charleston, WV	1	EMS FR90-17-00NVL	90	230	0	7000.00	-	-	-	80-50-49.74	35-13-29.49	524					
Charlotte, NC	2	EMS FR90-16-00NVL	90	20	0	3900	90	110	0	3900	85-18-41.84	35-02-56.86	300				
Chattanooga, TN	1	EMS FR90-17-00NVL	90	140	0	7000.00	-	-	-	87-37-17.81	41-53-6.89	998					
Chicago, IL	2	EMS FR90-17-00NVL	90	235	0	4900	340	0	4900	87-38-21.13	41-55-33.28	266					
Chicago, IL	2	EMS FR90-17-00NVL	90	170	0	4900	340	0	4900	87-39-18.00	41-58-50.00	489					
Chicago, IL	2	EMSFRR85-18-00NVL	65	180	15	13800	330	6	13800	87-35-26.68	41-48-24.88	250					
Chicago, IL	1	EMS FR90-17-00NVL	90	165	0	7000.00	-	-	-	84-30-51.00	39-06-24.00	308					
Chicago, IL	1	EMS FR90-17-00NVL	90	290	0	7000.00	-	-	-	81-11-54.37	41-29-58.50	666					
Chicago, IL	1	HMD8V360-R05-H	Omni	-	-	5000	-	-	5000	81-41-54.37	41-29-58.50	666					
Cincinnati, OH	2	EMS FR90-16-00NVL	90	70	0	3900	260	0	3900	81-01-53.60	34-00-07.80	280					
Cleveland, OH	2	EMS FR90-16-00NVL	90	70	0	3900	260	0	3900	82-59-46.00	39-57-47.00	412					
Colorado Springs, CO	1	EMS FR90-17-00NVL	90	30	0	7000.00	-	-	-	87-23-29.14	27-47-55.45	411					
Columbia, SC	1	Andrew HMD8V90-R05-H	Omni	0	0	180.00	-	-	-	96-47-52.23	32-47-3.95	499					
Columbus, OH	2	HMD8V360-R05-H	Omni	-	-	5000	-	-	-	87-19-46.00	32-45-11.00	525					
Corpus Christi, TX	1	EMS FR90-17-00NVL	90	250	0	7000.00	-	-	-	73-26-41.28	41-23-59.64	84					
Dallas, TX	2	HMD8V120-R05-H	120	80	0	7000	80	0	7000	84-11-46.00	39-45-39.00	240					
Dallas, TX	2	EMS FR90-16-00NVL	90	315	0	3900	225	0	3900	104-53-49.55	39-37-49.74	228					
Danbury, CT	1	EMS FR90-17-00NVL	90	260	0	7000.00	-	-	-	84-23-29.14	27-47-55.45	411					
Dayton, OH	1	EMS FR90-17-00NVL	90	115	0	11000	-	-	-	93-57-32.70	41-35-14.80	476					
Denver, CO	1	EMS FR90-17-00NVL	90	170	0	7000.00	-	-	-	83-02-51.00	42-13-60.00	648					
Denver, CO	2	HMD8V360-R05-H	Omni	-	-	5000	-	-	-	83-13-10.15	42-19-13.13	135					
Des Moines, IA	1	Andrew HMD8V90-R05-H	Omni	0	0	180.00	-	-	-	83-03-50.80	42-22-20.00	180					
Detroit, MI	1	EMS FR65-18-00NVL	65	330	11	13800	-	-	-	83-05-01.95	42-29-16.80	120					
Detroit, MI	2	EMS RV80-18-00NVL	80	125	4	360.00	210	0	360.00	-	-	-					
Detroit, MI	2	EMS RV80-18-00NVL	80	50	0	360.00	280	0	360.00	-	-	-					
Detroit, MI	2	EMS RV80-18-00NVL	80	90	0	360.00	245	0	360.00	-	-	-					

Sirius Satellite Radio - Current Terrestrial Repeater STA

Market	No Of Sectors	Antenna Type	Sector 1					Sector 2					Sector 3					Coordinates		Antenna Height (feet)
			Antenna Beamwidth	Orientation	Downtilt	EIRP (Watts)		Antenna Beamwidth	Orientation	Downtilt	EIRP (Watts)		Antenna Beamwidth	Orientation	Downtilt	EIRP (Watts)		Longitude (W)	Latitude (N)	
Los Angeles, CA	1	EMS FR90-17-00NVL	90	130	0	7000.00	-	-	-	-	-	-	-	-	-	-	117-55-30.39	33-48-37.79	140	
Los Angeles, CA	1	EMS FR90-17-00NVL	90	143	0	7000.00	-	-	-	-	-	-	-	-	-	-	117-52-27.79	33-37-04.91	200	
Los Angeles, CA	1	EMS FR90-17-00NVL	90	110	0	7000.00	-	-	-	-	-	-	-	-	-	-	117-48-48.79	33-51-49.94	250	
Louisville, KY	2	HMD8V360-R05-H	Omn	-	-	5000	-	-	-	-	-	-	-	-	-	-	85-45-28.00	38-15-20.00	560	
Lowell, MA	1	EMS FR90-17-00NVL	90	0	0	7000.00	-	-	-	-	-	-	-	-	-	-	71-18-44.06	42-38-57.14	220	
Mason, GA	1	EMS FR90-17-00NVL	90	180	0	7000.00	-	-	-	-	-	-	-	-	-	-	83-57-37.40	32-50-13.73	125	
Madison, WI	1	Andrew HMD8V360-R05-H	Omn	0	0	1800.00	-	-	-	-	-	-	-	-	-	-	89-23-07.58	43-04-25.54	190	
Manchester, MA	1	EMS FR90-17-00NVL	90	0	0	7000.00	-	-	-	-	-	-	-	-	-	-	70-43-35.09	42-35-35.81	344	
Main County, CA	1	EMS FR90-17-00NVL	90	330	0	7000.00	-	-	-	-	-	-	-	-	-	-	122-43-34.03	37-54-48.87	320	
Memphis, TN	2	HMD8V360-R05-H	Omn	-	-	5000	-	-	-	-	-	-	-	-	-	-	90-02-59.80	35-08-39.70	358	
Miami, FL	2	EMS FR90-17-00NVL	90	0	5	4900	-	-	-	-	-	-	-	-	-	-	80-1-13.00	25-46-19.00	586	
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	26-35-46.62	220	
Milwaukee, WI	2	EMS FR90-16-00NVL	90	255	0	3900	-	-	-	-	-	-	-	-	-	-	87-54-06.69	43-02-17.95	588	
Minneapolis, MN	2	Andrew HMD8V120-R05-H	120	315	0	7000	-	-	-	-	-	-	-	-	-	-	93-16-16.00	44-58-36.00	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	320.00	-	-	-	-	-	-	-	-	-	-	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	37-38-34.73	150	
Monterey, CA	1	HMD8V180-R05-H	180	180	0	9000	-	-	-	-	-	-	-	-	-	-	121-51-24.00	36-36-26.00	135	
Naples, FL	1	Andrew HMD8V360-R05-H	Omn	0	0	1600.00	-	-	-	-	-	-	-	-	-	-	81-45-50.00	26-08-18.99	110	
Nashville, TN	2	HMD8V360-R05-H	Omn	-	-	5000	-	-	-	-	-	-	-	-	-	-	86-46-55.09	36-09-48.85	868	
New Haven/Hartford, CT	1	EMS FR90-17-00NVL	90	110	0	7000.00	-	-	-	-	-	-	-	-	-	-	72-48-16.64	41-33-03.65	190	
New Haven, CT	2	EMS FR90-17-00NVL	90	205	0	4900.00	-	-	-	-	-	-	-	-	-	-	72-55-20.00	41-13-33.00	243	
New Orleans, LA	2	HMD8V360-R05-H	Omn	-	-	5000	-	-	-	-	-	-	-	-	-	-	90-04-16.00	29-57-00.00	626	
New Orleans, LA	1	EMS FR90-17-00NVL	90	270	0	7000.00	-	-	-	-	-	-	-	-	-	-	90-1-58.67	29-54-52.87	175	
New York, NY	3	EMS FR90-16-00NVL	90	30	6	2500	-	-	-	-	-	-	-	-	-	-	73-58-55.20	40-45-93.00	670	
New York, NY	2	EMS FR90-17-00NVL, EMS FR65-18-00NVL	90	140	0	4900	-	-	-	-	-	-	-	-	-	-	73-57-01.70	40-48-30.00	580	
New York, NY	1	EMS FR65-18-00NVL	65	160	0	13800	-	-	-	-	-	-	-	-	-	-	74-00-40.32	40-42-59.88	524	
New York, NY	1	HMD8V360-R05-H	Omn	-	-	8000	-	-	-	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	-	-	-	73-54-19.90	40-51-57.50	170	
New York, NY	2	EMS FR90-17-00NVL	90	0	5	4900	-	-	-	-	-	-	-	-	-	-	73-56-36.00	40-48-54.00	180	
New York, NY	2	EMS FR65-18-00NVL	65	15	3	13800	-	-	-	-	-	-	-	-	-	-	74-00-03.00	40-51-18.12	210	
New York, NY	2	HMD8V180-R05-H	180	110	6	5300	-	-	-	-	-	-	-	-	-	-	73-58-22.53	40-51-18.12	438	
New York, NY	2	EMS FR90-17-00NVL, EMS FR65-18-00NVL	90	315	0	4900	-	-	-	-	-	-	-	-	-	-	74-00-03.00	40-47-25.00	281	
New York, NY	1	EMS FR90-17-00NVL	90	100	0	7000.00	-	-	-	-	-	-	-	-	-	-	73-46-44.75	41-01-51.38	239	
New York, NY	1	EMS FR90-17-00NVL	90	75	0	7000.00	-	-	-	-	-	-	-	-	-	-	73-49-51.83	40-42-52.63	239	
New York, NY	1	EMS FR90-17-00NVL	90	0	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	-	-	-	-	-	-	-	-	-	-	74-00-26.74	41-02-56.88	300	
New York, NY	1	EMS FR90-17-00NVL	90	150	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 / East Orange, NJ	1	EMS FR90-17-00NVL	90	285	0	7000.00	-	-	-	-	-	-	-	-	-	-	74-13-31.31	40-45-45.88	98	
Newark / Elizabeth, 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	40-45-08.03	239	
Norfolk	2	HMD8V360-R05-H	Omn	-	-	5000	-	-	-	-	-	-	-	-	-	-	76-17-29.21	36-50-44.47	270	
North Hollywood/Beaumont, CA	1	EMS RV800-16-00NVL	80	330	0	8000.00	-	-	-	-	-	-	-	-	-	-	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	37-48-38.24	404	
Oklahoma City, OK	1	HMD8V900-R05-H	90	190	0	22400	-	-	-	-	-	-	-	-	-	-	97-29-22.00	35-35-52.00	400	
Oman NE	1	EMS FR90-17-00NVL	90	45	0	7000.00	-	-	-	-	-	-	-	-	-	-	95-56-13.54	41-15-34.23	634	
Orlando, FL	2	EMS FR90-17-00NVL	90-42	45315	0	2500	-	-	-	-	-	-	-	-	-	-	81-22-44.32	28-32-37.46	312	

Market	No Of Sectors	Antenna Type	Sector 1					Sector 2					Sector 3					Coordinates		Antenna Height (feet)
			Antenna Beamwidth	Orientation	Down tilt	ERP (Watts)	Antenna Beamwidth	Orientation	Down tilt	ERP (Watts)	Antenna Beamwidth	Orientation	Down tilt	ERP (Watts)	Longitude (W)	Latitude (N)				
St. Louis, MO	2	HMD8PV190-R05-H	180	180	0	4800	180	180	0	4800	-	-	-	-	90-11-26.00	38-37-48.00	482			
Stockton, CA	1	EMS FR90-17-00NVL	90	310	0	7000.00	-	-	-	-	-	-	-	121-17-12.15	37-57-11.92	142				
Syracuse, NY	2	EMS FR90-17-00NVL	90	160	0	4900	90	280	0	4900	-	-	-	76-08-32.00	43-02-49.00	207				
Tacoma, WA	2	EMS FR85-18-00NVL	65	170	0	3500.00	65	330	0	3500.00	-	-	-	122-26-16.91	47-15-07.84	215				
Tampa	2	HAD8V360-R05-H	Omn	-	-	5000	Omn	-	-	5000	-	-	-	82-27-33.00	27-56-48.00	576				
Tellico, OH	2	Andrew HMD8V360-R05-H	Omn	0	0	2000.00	Omn	0	0	2000.00	-	-	-	83-32-07.10	41-39-04.00	400				
Trenton, NJ	2	HMD8PV190-R05-H	180	20	0	7000.00	180	20	0	7000.00	-	-	-	74-46-03.54	40-13-12.780	180				
Tucson, AZ	1	HMD8V120-R05-H	120	135	0	11300	-	-	-	-	-	-	-	110-58-16.60	32-13-20.10	265				
Tulsa, OK	1	EMS FR90-16-00NVL	90	240	0	8800	-	-	-	-	-	-	-	95-57-10.85	36-10-10.02	400				
Tryson's Corner, VA	2	EMS FR90-17-00NVL	90	100	0	7000.00	90	290	0	7000.00	-	-	-	77-13-43.70	38-56-22.20	165				
Vallejo-Fairfield, CA	1	EMS FR90-17-00NVL	90	45	0	7000.00	-	-	-	-	-	-	-	122-15-23.70	38-06-04.3	65				
Ventura, CA	1	EMS FR90-17-00NVL	90	30	0	7000.00	-	-	-	-	-	-	-	119-17-37.94	34-16-56.26	120				
Washington D.C.	2	Andrew HMD8V360-R05-H	Omn	-	-	3100	Omn	-	-	3100	-	-	-	77-04-35.08	38-53-43.60	198				
Washington D.C.	2	EMS FR90-17-00NVL	90	90	0	4900	90	250	0	4900	-	-	-	77-03-38.00	38-51-45.00	208				
Washington D.C.	1	EMS FR90-17-00NVL	90	240	0	11600	-	-	-	-	-	-	-	77-06-55.87	38-50-36.60	208				
Washington D.C.	3	EMS FR90-17-00NVL, EMS FR85-18-00NVL	90	90	7	3100	65	210	7	3900	90	330	0	77-05-44.00	38-59-07.00	200				
Washington D.C.	1	EMS FR90-17-00NVL	90	150	0	7000.00	-	-	-	-	-	-	-	76-56-59.00	38-51-39.00	220				
Washington D.C.	1	EMS FR90-17-00NVL	90	180	0	7000.00	-	-	-	-	-	-	-	77-02-34.08	38-48-44.60	155				
Washington D.C.	1	EMS FR90-17-00NVL	90	90	0	7000.00	-	-	-	-	-	-	-	76-52-57.10	38-59-26.60	205				
Washington D.C.	1	EMS FR90-17-00NVL	90	315	0	7000.00	-	-	-	-	-	-	-	77-08-30.08	39-00-56.60	255				
Washington D.C.	1	EMS FR90-17-00NVL	90	190	0	7000.00	-	-	-	-	-	-	-	77-10-57.07	38-46-51.60	160				
Washington D.C.	1	EMS FR90-17-00NVL	90	270	0	7000.00	-	-	-	-	-	-	-	77-21-20.05	38-56-57.60	218				
Washington D.C.	2	HMD8PV360-R05-H	Omn	-	-	3500.00	Omn	-	-	3500.00	-	-	-	77-00-41.00	38-53-48.60	156				
Washburn, CT	1	Andrew HMD8V360-R05-H	Omn	0	0	180.00	-	-	-	-	-	-	-	73-02-43.02	41-33-43.00	131				
West Palm Beach, FL	2	HMD8PV180-R05-H	180	60	0	150.00	180	240	0	150.00	-	-	-	80-04-34.00	26-41-28.00	200				
Wichita, KS	1	EMS FR90-17-00NVL	90	10	0	7000.00	-	-	-	-	-	-	-	97-20-17.82	37-41-23.97	326				
Wilmington, DE	1	HMD8V90-R05-H	90	225	0	14200	-	-	-	-	-	-	-	75-32-48.00	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	Omn	0	0	2000.00	Omn	0	0	2000.00	-	-	-	71-48-12.9	42-15-47.66	333				

READ INSTRUCTIONS CAREFULLY
BEFORE PROCEEDING

FEDERAL COMMUNICATIONS COMMISSION
REMITTANCE ADVICE

Approved by OMB
3060-0589
Page 1 of 1

(1) LOCK BOX # 358210		SPECIAL USE ONLY	
		FCC USE ONLY	
SECTION A - PAYER INFORMATION			
(2) PAYER NAME (if paying by credit card enter name exactly as it appears on the card) Wiley Rein & Fielding LLP		(3) TOTAL AMOUNT PAID (U.S. Dollars and cents) \$2,535.00	
(4) STREET ADDRESS LINE NO. 1 1776 K Street, N.W.			
(5) STREET ADDRESS LINE NO. 2			
(6) CITY Washinaton		(7) STATE DC	(8) ZIP CODE 20006
(9) DAYTIME TELEPHONE NUMBER (include area code) 202.719.7269		(10) COUNTRY CODE (if not in U.S.A.) US	
FCC REGISTRATION NUMBER (FRN) REQUIRED			
(11) PAYER (FRN) 0002-1517-44		(12) FCC USE ONLY	
IF MORE THAN ONE APPLICANT, USE CONTINUATION SHEETS (FORM 159-C) COMPLETE SECTION BELOW FOR EACH SERVICE, IF MORE BOXES ARE NEEDED, USE CONTINUATION SHEET			
(13) APPLICANT NAME Sirius Satellite Radio Inc.			
(14) STREET ADDRESS LINE NO. 1 1221 Avenue of the Americas			
(15) STREET ADDRESS LINE NO. 2 36th Floor			
(16) CITY New York		(17) STATE NY	(18) ZIP CODE 10020
(19) DAYTIME TELEPHONE NUMBER (include area code) 212.584.5100		(20) COUNTRY CODE (if not in U.S.A.) US	
FCC REGISTRATION NUMBER (FRN) REQUIRED			
(21) APPLICANT (FRN) 0006-3457-30		(22) FCC USE ONLY	
COMPLETE SECTION C FOR EACH SERVICE, IF MORE BOXES ARE NEEDED, USE CONTINUATION SHEET			
(23A) CALL SIGN/OTHER ID	(24A) PAYMENT TYPE CODE CXW	(25A) QUANTITY 1	
(26A) FEE DUE FOR (PTC) \$2,535.00	(27A) TOTAL FEE \$2,535.00	FCC USE ONLY	
(28A) FCC CODE 1	(29A) FCC CODE 2		
(23B) CALL SIGN/OTHER ID	(24B) PAYMENT TYPE CODE	(25B) QUANTITY	
(26B) FEE DUE FOR (PTC)	(27B) TOTAL FEE	FCC USE ONLY	
(28B) FCC CODE 1	(29B) FCC CODE 2		
SECTION D - CERTIFICATION			
CERTIFICATION STATEMENT I, <u>[Signature]</u> , certify under penalty of perjury that the foregoing and supporting information is true and correct to the best of my knowledge, information and belief.			
SIGNATURE <u>[Signature]</u>		DATE <u>2/1/05</u>	
SECTION E - CREDIT CARD PAYMENT INFORMATION			
MASTERCARD _____ VISA _____ AMEX _____ DISCOVER _____			
ACCOUNT NUMBER _____		EXPIRATION DATE _____	
I hereby authorize the FCC to charge my credit card for the service(s)/authorization herein described.			
SIGNATURE _____		DATE _____	

This check is GREEN

WILEY REIN & FIELDING LLP
1776 K Street, N.W.
Washington, DC
Operating Account

182235

Date	Amount
01/10/2005	*****2,535.00

Pay Two Thousand Five Hundred Thirty Five and 00/100 Dollars ONLY

To the Order of FCC

[Signature]
[Signature]
 Bank of America, N.A.
 Washington, DC
 (Two Signatures Required For Amounts Over \$1,000.00)

⑈ 182235 ⑈ ⑆054001204⑆ ⑆000003702987⑈

Attached is our check in full settlement of items shown hereon. If not correct, please return with explanation or call us at (202)719-7512.

No. 182235

Check Date 01/10/2005

FCC					
Description	Date	Invoice No.	Amount of Invoice	Discount	Net
EXTENSION OF STA	01/07/2005		2,535.00	.00	2,535.00
				Total	2,535.00

Remittance Advice
Detach before depositing

WILEY REIN & FIELDING LLP
Operating Account