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Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY CELLCO PARTNERSHIP 1120 SANCTUARY PKWY, #150 GASA5REG ALPHARETTA, GA 30009-7630

Call Sign WQJQ689	File Number
Radio	Service
WU - 700 MHz Up	per Band (Block C)

FCC Registration Number (FRN): 0003290673

Grant Date 11-26-2008	Effective Date 05-28-2014	Expiration Date 06-13-2019	Print Date
Market Number REA001	Chan	nel Block C	Sub-Market Designator 0
	ACCESSES	et Name theast	
1st Build-out Date 06-13-2013	2nd Build-out Date 06-13-2019	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

If the facilities authorized herein are used to provide broadcast operations, whether exclusively or in combination with other services, the licensee must seek renewal of the license either within eight years from the commencement of the broadcast service or within the term of the license had the broadcast service not been provided, whichever period is shorter in length. See 47 CFR §27.13(b).

This authorization is conditioned upon compliance with section 27.16 of the Commission's rules

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

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Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY CELLCO PARTNERSHIP 5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING ALPHARETTA, GA 30022

Call Sign	File Number
KNLH253	0007716971
Radio	Service
CW - PCS	Broadband

FCC Registration Number (FRN): 0003290673

Grant Date 06-02-2017	Effective Date 06-02-2017	Expiration Date 06-27-2027	Print Date 06-06-2017
Market Number BTA201	Channe		Sub-Market Designator 0
	Market Hyannis		7
1st Build-out Date 06-27-2002	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is subject to the condition that, in the event that systems using the same frequencies as granted herein are authorized in an adjacent foreign territory (Canada/United States), future coordination of any base station transmitters within 72 km (45 miles) of the United States/Canada border shall be required to eliminate any harmful interference to operations in the adjacent foreign territory and to ensure continuance of equal access to the frequencies by both countries.

License renewal granted on a conditional basis, subject to the outcome of FCC proceeding WT Docket No. 10-112 (see FCC 10-86, paras. 113 and 126).

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

Call Sign: KNLH253

File Number: 0007716971

Print Date: 06-06-2017

This authorization is subject to the condition that the remaining balance of the winning bid amount will be paid in accordance with Part 1 of the Commission's rules, 47 C.F.R. Part 1.

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Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY CELLCO PARTNERSHIP 5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING ALPHARETTA, GA 30022

Call Sign WQGB350	File Number
AW - AWS (171	Service 0-1755 MHz and
2110-21	55 MHz)

FCC Registration Number (FRN): 0003290673

Grant Date 11-29-2006	Effective Date 11-01-2016	Expiration Date 11-29-2021	Print Date	
Market Number CMA471	A STATE OF THE STA	Channel Block A		
	Market Massachusetts 2	The state of the s		
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date	

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

Call Sign: WQGB350

File Number:

Print Date:

The license is subject to compliance with the provisions of the January 12, 2001 Agreement between Deutsche Telekom AG, VoiceStream Wireless Corporation, VoiceStream Wireless Holding Corporation and the Department of Justice (DOJ) and the Federal Bureau of Investigation (FBI), which addresses national security, law enforcement, and public safety issues of the FBI and the DOJ regarding the authority granted by this license. Nothing in the Agreement is intended to limit any obligation imposed by Federal lawor regulation including, but not limited to, 47 U.S.C. Section 222(a) and (c)(1) and the FCC's implementing regulations. The Agreement is published at VoiceStream-DT Order, IB Docket No. 00-187, FCC 01-142, 16 FCC Rcd 9779, 9853 (2001).

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign KNKN826	File Number
	Service Cellular
Market Numer CMA471	Channel Block B
Sub-Marke	t Designator

FCC Registration Number (FRN): 0003290673

Market	Name	
Massach	usetts 2 -	Barnstable

Grant Date	Effective Date	Expiration Date	Five Yr Build-Out Date	Print Date
09-28-2010	11-01-2016	10-01-2020		

Site Information:

Site In	iformation:		Kin						
Locati	on Latitude	Longitude		ound Elevers)	ation	Structure Hg (meters)	t to Tip	Antenna St Registratio	
1	41-41-54.4 N	070-05-52.1 W	15	.2		46.3			
Addre	ss: (Harwich site) 7 Q	ueen Anne Road		A					
City: F	HARWICH County	: BARNSTABLE	State: MA	Consti	uction	Deadline:			
•					ANY,	distr.			
Antenn		Date was				- The state of the	No		
	um Transmitting ERP		45	00	125	180	225	270	315
	Azimuth(from true north an Height AAT (meters		45 38.600	90 45.900	135 55.40	AND DESCRIPTION OF THE PERSON	225 57,000	46,700	51.800
Transn Antenn	nitting ERP (watts)	59.230	290.100	100.590	4.490		0.820	0.820	3.490
	um Transmitting ERP					Personal			
	Azimuth(from true north na Height AAT (meters		45 38.600	90	135	180	225	270	315
	nitting ERP (watts)	0.680	0.680	45.900 7.630	55.40 98.30		57.000 98.300	46.700 7.630	51.800 0.680
Maxim	um Transmitting ERP					V.		/	
	Azimuth(from true north 18 Height AAT (meters		45	90	135	180	225	270	315
	nitting ERP (watts)	49.270	38.600 2.150	45.900 0.680	55.40 0.680		57.000 19.170	46.700 163.140	51.800 220.070

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

Call Sign: KNKN826	File	Number:			P	rint Date	:	
Location Latitude 2 41-41-01.4 N	Longitude 070-21-34.1 W	(m	round Eleveters) 8.8		ructure Hg 1eters) 1.6	t to Tip	Antenna St Registration 1014687	
Address: CLAY HILL OFF	ROUTE 6							
City: BARNSTABLE Cou	unty: BARNSTABL	E State	: MA C	onstruction	n Deadline:			
Antenna: 4								
Maximum Transmitting ERP								
Azimuth(from true north)		45	90	135	180	225	270	315
Antenna Height AAT (meters) Transmitting ERP (watts)	AND CONTRACTOR	97.000	82.200	88.100	88.700	88.800	60.600	91.000
Antenna: 5	25.240	30.340	7.800	0.860	0.100	0.100	0.710	5.040
Maximum Transmitting ERP	in Watts: 140.820							
Azimuth(from true north)		45	90	135	180	225	270	315
Antenna Height AAT (meters)	V/30/32 V	97.000	82.200	88.100	88.700	88.800	60.600	91.000
Transmitting ERP (watts) Antenna: 6	0.100	1.390	10.050	32.510	21.480	3.910	0.310	0.100
Maximum Transmitting ERP	in Watts: 140.820	1989						
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	4970	97.000	82.200	88.100	88.700	88.800	60.600	91.000
Transmitting ERP (watts)	1.790	0.150	0.100	0.260	2.360	16.670	35.650	13.250
Location Latitude	Longitude	G	round Ele	vation St	ructure Hg	t to Tip	Antenna St	ructure
Location Latitude	Dongitude	STATISTICS OF THE PARTY OF THE	eters)		neters)		Registratio	
3 41-36-52.6 N	070-36-31.1 W	40.00	2.4	50).7			
Address: THOMAS LANDE		Children	(10)	3,				
		Ctatas 7	AA Com	struction I	Doodling			
City: FALMOUTH Count	ty: BARNSTABLE	State: 1	VIA COI	struction i	Deadine:			
		No.	407.0070.0736.30	Account to				
		(v	19952	VA.				
		(a)	(Comment)				
Maximum Transmitting ERP					100	225	250	215
Maximum Transmitting ERP Azimuth(from true north)	0	45	90	135	180	225	270	315
Maximum Transmitting ERP Azimuth(from true north) Antenna Height AAT (meters)) 0 86.600	57.500	82.400	93,100	93.300	96.000	96.200	95.500
Maximum Transmitting ERP Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts)	0		44500					
Maximum Transmitting ERP Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 5 Maximum Transmitting ERP	0 86.600 75.860 in Watts: 140.820	57.500 89.130	82.400 23.440	93,100 2,290	93.300 0.200	96.000 0.200	96.200 1.510	95.500 15.140
Maximum Transmitting ERP Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 5 Maximum Transmitting ERP Azimuth(from true north)	0 86.600 75.860 in Watts: 140.820	57.500 89.130	82.400 23.440 90	93.100 2.290	93.300 0.200	96.000 0.200 225	96.200 1.510 270	95.500 15.140 315
Maximum Transmitting ERP Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 5 Maximum Transmitting ERP Azimuth(from true north) Antenna Height AAT (meters)	0 86.600 75.860 in Watts: 140.820 0 86.600	57.500 89.130 45 57.500	82.400 23.440 90 82.400	93.100 2.290 135 93.100	93.300 0.200 180 93.300	96.000 0.200 225 96.000	96.200 1.510 270 96.200	95.500 15.140 315 95.500
Maximum Transmitting ERP Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 5 Maximum Transmitting ERP Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts)	0 86.600 75.860 in Watts: 140.820	57.500 89.130	82.400 23.440 90	93.100 2.290	93.300 0.200	96.000 0.200 225	96.200 1.510 270	95.500 15.140 315
Maximum Transmitting ERP Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 5 Maximum Transmitting ERP Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 6	0 86.600 75.860 in Watts: 140.820 0 86.600 0.120	57.500 89.130 45 57.500	82.400 23.440 90 82.400	93.100 2.290 135 93.100	93.300 0.200 180 93.300	96.000 0.200 225 96.000	96.200 1.510 270 96.200	95.500 15.140 315 95.500
Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 5 Maximum Transmitting ERP Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 6 Maximum Transmitting ERP Azimuth(from true north)	0 86.600 75.860 in Watts: 140.820 0 86.600 0.120 in Watts: 140.820	57.500 89.130 45 57.500 1.240	82.400 23.440 90 82.400	93.100 2.290 135 93.100	93.300 0.200 180 93.300	96.000 0.200 225 96.000 4.490	96.200 1.510 270 96.200	95.500 15.140 315 95.500
Maximum Transmitting ERP Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 5 Maximum Transmitting ERP Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 6 Maximum Transmitting ERP	0 86.600 75.860 in Watts: 140.820 0 86.600 0.120 in Watts: 140.820	57,500 89,130 45 57,500 1,240	82.400 23.440 90 82.400 12.080	93,100 2,290 135 93,100 37,330	93.300 0.200 180 93.300 26.430	96.000 0.200 225 96.000 4.490	96.200 1.510 270 96.200 0.420	95.500 15.140 315 95.500 0.100

Call Sign: KNKN826	File	Number	:		P	rint Date	:	
	ngitude 0-04-30.0 W	(1	Ground Elev meters) 31.7	vation	Structure Hg (meters) 54.9	t to Tip	Antenna St Registratio	
Address: 344 Route 6 North								
City: TRURO County: BARNS	TABLE St	ate: MA	Construc	tion Dea	adline:			
(7/)								
Antenna: 4	A468A							
Maximum Transmitting ERP in Wat Azimuth(from true north)	ts: 140.820 0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	57.100	39.600	39.200	50.900	The state of the s	71.300	71.100	68,900
Transmitting ERP (watts)	74.130	89.130	22.910	1.290	0.200	0.200	0.650	13.180
Antenna: 5 Maximum Transmitting ERP in Wat	ts: 140 820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	57.100	39.600	39.200	50.900	67.800	71.300	71,100	68.900
Transmitting ERP (watts) Antenna: 6	0.200	1.820	28.180	93.330	67.610	10.230	0.400	0.200
Maximum Transmitting ERP in Wat	ts: 140.820	Viol						
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters) Transmitting ERP (watts)	57.100	39.600	39.200	50.900		71.300	71.100	68.900
Transmitting ERF (watts)	3.890	0.200	0.200	0.230	5.130	50.120	100.000	42.660
,	ngitude	(Ground Elemeters)	vation	Structure Hg (meters)	t to Tip	Antenna St Registratio	
5 41-17-06.0 N 070)-08-37.0 W	1	11.0		68.0		1006317	
Address: Eel Point Road		40						
City: NANTUCKET County: N	ANTUCKET	State	MA Cor	structio	on Deadline:			
Antenna: 4			Contract of the second					
Maximum Transmitting ERP in Wat		45	00	125	180	225	270	315
Azimuth(from true north) Antenna Height AAT (meters)	0 63.100	45 63,100	90 50.600	135 56.100	Miles	225 56,200	59.200	63.100
Transmitting ERP (watts)	0.200	2.000	33.880	95.500		10.720	0.200	0.200
Antenna: 5	to. 140 920							
Maximum Transmitting ERP in Wat Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	63.100	63.100	50.600	56.100	A STATE OF THE PARTY OF THE PAR	56.200	59.200	63.100
Transmitting ERP (watts) Antenna: 6	3.890	0.200	0.200	0.200	6.760	57.540	100.000	44.670
Maximum Transmitting ERP in Wat	ts: 140.820				A STATE OF THE PARTY OF THE PAR	A STATE OF THE PARTY OF THE PAR		
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	63.100	63.100	50.600	56.10		56,200	59.200	63.100
Transmitting ERP (watts)	81,280	89.130	24.550	1.120	0.200	0.200	0.420	16.600

Call Sign: KNKN826	File	Number:			Pı	int Date	:	
Location Latitude 6 41-46-37 4 N	Longitude	-	ound Elev eters)		Structure Hgt (meters)	to Tip	Antenna St Registratio	
11 10 500	069-59-51.4 W	30	.2		60.4			
Address: (Orleans) Pine Road		C4-4 3.4.4	C4-		Na allina			
City: ORLEANS / County: 1	BARNSTABLE	State: MA	Consti	uction 1	Deadline:			
	A) .							
Antenna: 4	W-44- 140 920							
Maximum Transmitting ERP in Azimuth (from true north)	0 vvatts: 140.820	45	90	135	180	225	270	315
Antenna Height AAT (meters)	70,500	62.500	66.100	73.900		62,300	74.400	75.900
Transmitting ERP (watts)	154,850	178.510	41.520	1.840	0.580	0.580	1.450	23.440
Antenna: 5	134.630	176.510	41.520	1.040	0.560	0.500	1.450	23.440
Maximum Transmitting ERP in	n Watts: 140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	70,500	62.500	66.100	73,900	67.400	62,300	74.400	75.900
Transmitting ERP (watts)	0.700	1.120	16.870	165.12	0 191.880	20.920	0.700	0.700
Antenna: 6								
Maximum Transmitting ERP in		in Mary			400		0.00	215
Azimuth(from true north)	0 500	45	90	135	180	225	270	315
Antenna Height AAT (meters)	70.500	62.500	66.100	73.900	67.400	62.300	74.400	75.900
		0.=00	0 =00			1 60 000	100 ((0	17 000
Transmitting ERP (watts)	0.700	0.700	0.700	0.840	14.280	163.980	192.660	17.980
Location Latitude	0.700 Longitude	Gı	ound Ele	0.840 vation	14.280 Structure Hg		Antenna S	tructure
Location Latitude	Longitude	Gr (m	ound Electers)	0.840 vation	14.280 Structure Hg (meters)		Antenna S Registratio	tructure
	(1)	Gı	ound Electers)	0.840 vation	14.280 Structure Hg		Antenna S	tructure
Location Latitude	Longitude 070-40-19.0 W	Gr (m	ound Electers)	0.840 vation	14.280 Structure Hg (meters)		Antenna S Registratio	tructure
Location Latitude 7 41-25-26.0 N Address: VINEYARD HAVE	Longitude 070-40-19.0 W EN RD.	Gr (m	round Eleveters)	0.840 vation	Structure Hg (meters) 24.6		Antenna S Registratio	tructure
Location Latitude 7 41-25-26.0 N Address: VINEYARD HAVE	Longitude 070-40-19.0 W EN RD.	Gr (m 75	round Eleveters)	0.840 vation	Structure Hg (meters) 24.6		Antenna S Registratio	tructure
Location Latitude 7 41-25-26.0 N Address: VINEYARD HAVE City: WEST TISBURY Co	Longitude 070-40-19.0 W EN RD.	Gr (m 75	round Eleveters)	0.840 vation	Structure Hg (meters) 24.6		Antenna S Registratio	tructure
Location Latitude 7 41-25-26.0 N Address: VINEYARD HAVE City: WEST TISBURY Co	Longitude 070-40-19.0 W EN RD. ounty: DUKES S	Gr (m 75	round Eleveters)	0.840 vation	Structure Hg (meters) 24.6		Antenna S Registratio	tructure
Location Latitude 7 41-25-26.0 N Address: VINEYARD HAVE City: WEST TISBURY Co Antenna: 2 Maximum Transmitting ERP in	Longitude 070-40-19.0 W EN RD. ounty: DUKES S	Gı (m 75 State: MA	cound Eleveters)	0.840 vation	14.280 Structure Hg (meters) 24.6 eadline:	t to Tip	Antenna S Registratio 1008408	tructure n No.
Location Latitude 7 41-25-26.0 N Address: VINEYARD HAVE City: WEST TISBURY Co Antenna: 2 Maximum Transmitting ERP in Azimuth(from true north)	Longitude 070-40-19:0 W EN RD. bunty: DUKES 140.820	Gi (m 75 State: MA	cound Eleveters) .3 Constru	0.840 vation uction De	14.280 Structure Hg (meters) 24.6 eadline:	t to Tip	Antenna S Registratio 1008408	tructure on No.
Location Latitude 7 41-25-26.0 N Address: VINEYARD HAVE City: WEST TISBURY Co Antenna: 2 Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters)	Longitude 070-40-19.0 W EN RD. bunty: DUKES 140.820 0 94.100	G1 (m 75 State: MA 45 85.900	cound Eleveters) .3 Constru	0.840 vation 135 81,300	14.280 Structure Hg (meters) 24.6 eadline:	225 65.700	Antenna S Registratio 1008408	315 92.200
Location Latitude 7 41-25-26.0 N Address: VINEYARD HAVE City: WEST TISBURY Co Antenna: 2 Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts)	Longitude 070-40-19:0 W EN RD. bunty: DUKES 140.820	Gi (m 75 State: MA	cound Eleveters) .3 Constru	0.840 vation uction De	14.280 Structure Hg (meters) 24.6 eadline:	t to Tip	Antenna S Registratio 1008408	tructure on No.
Location Latitude 7 41-25-26.0 N Address: VINEYARD HAVE City: WEST TISBURY Co Antenna: 2 Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 3	Longitude 070-40-19.0 W EN RD. punty: DUKES S n Watts: 140.820 0 94.100 0.280	G1 (m 75 State: MA 45 85.900	cound Eleveters) .3 Constru	0.840 vation 135 81,300	14.280 Structure Hg (meters) 24.6 eadline:	225 65.700	Antenna S Registratio 1008408	315 92.200
Location Latitude 7 41-25-26.0 N Address: VINEYARD HAVE City: WEST TISBURY Co Antenna: 2 Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 3 Maximum Transmitting ERP in	Longitude 070-40-19.0 W EN RD. cunty: DUKES S n Watts: 140.820 0 94.100 0.280 n Watts: 140.820	G1 (m 75 State: MA 45 85,900 14.130	Constru 90 74,600 75,860	0.840 vation letion Description 135 81,300 93,330	14.280 Structure Hg (meters) 24.6 eadline: 180 88.400 27.540	225 65.700 1.480	Antenna S Registratio 1008408 270 94,200 0.200	315 92.200 0.200
Location Latitude 7 41-25-26.0 N Address: VINEYARD HAVE City: WEST TISBURY Co Antenna: 2 Maximum Transmitting ERP in Azimuth (from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 3 Maximum Transmitting ERP in Azimuth (from true north)	Longitude 070-40-19.0 W EN RD. punty: DUKES S n Watts: 140.820 0 94.100 0.280	G1 (m 75 State: MA 45 85,900 14.130	cound Eleveters) .3 Construe 90 74.600 75.860 90	0.840 vation letion Description 135 81,300 93,330	14.280 Structure Hg (meters) 24.6 eadline: 180 88.400 27.540 180	225 65,700 1,480	Antenna S Registratio 1008408 270 94.200 0.200	315 92.200 0.200
Location Latitude 7 41-25-26.0 N Address: VINEYARD HAVE City: WEST TISBURY Co Antenna: 2 Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 3 Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters)	Longitude 070-40-19.0 W EN RD. bunty: DUKES n Watts: 140.820 0 94.100 0.280 n Watts: 140.820 0 94.100	G1 (m 75 State: MA 45 85,900 14.130 45 85,900	90 74.600 75.860	0.840 vation 135 81,300 93,330 135 81,300	14.280 Structure Hg (meters) 24.6 eadline: 180 88.400 27.540 180 88.400	225 65.700 1.480 225 65.700	Antenna S Registratio 1008408 270 94.200 0.200 270 94.200	315 92.200 0.200
Location Latitude 7 41-25-26.0 N Address: VINEYARD HAVE City: WEST TISBURY Co Antenna: 2 Maximum Transmitting ERP in Azimuth (from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 3 Maximum Transmitting ERP in Azimuth (from true north)	Longitude 070-40-19.0 W EN RD. bunty: DUKES n Watts: 140.820 0 94.100 0.280 n Watts: 140.820 0	G1 (m 75 State: MA 45 85,900 14.130	cound Eleveters) .3 Construe 90 74.600 75.860 90	0.840 vation letion Description 135 81,300 93,330	14.280 Structure Hg (meters) 24.6 eadline: 180 88.400 27.540 180	225 65,700 1,480	Antenna S Registratio 1008408 270 94.200 0.200	315 92.200 0.200
Location Latitude 7 41-25-26.0 N Address: VINEYARD HAVE City: WEST TISBURY Co Antenna: 2 Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 3 Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Transmitting ERP (watts)	Longitude 070-40-19.0 W EN RD. punty: DUKES S n Watts: 140.820 94.100 0.280 n Watts: 140.820 0 94.100 0.270	G1 (m 75 State: MA 45 85,900 14.130 45 85,900	90 74.600 75.860	0.840 vation 135 81,300 93,330 135 81,300	14.280 Structure Hg (meters) 24.6 eadline: 180 88.400 27.540 180 88.400	225 65.700 1.480 225 65.700	Antenna S Registratio 1008408 270 94.200 0.200 270 94.200	315 92.200 0.200 315 92.200 12.590
Location Latitude 7 41-25-26.0 N Address: VINEYARD HAVE City: WEST TISBURY Co Antenna: 2 Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 3 Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 4 Maximum Transmitting ERP in Azimuth(from true north) Azimuth(from true north)	Longitude 070-40-19.0 W EN RD. Dunty: DUKES S 140.820 0 94.100 0.280 n Watts: 140.820 0 94.100 0.270 n Watts: 140.820 0	G1 (m 75 State: MA 45 85,900 14.130 45 85,900	90 74.600 75.860	0.840 vation 135 81,300 93,330 135 81,300	14.280 Structure Hg (meters) 24.6 eadline: 180 88.400 27.540 180 88.400	225 65.700 1.480 225 65.700	Antenna S Registratio 1008408 270 94.200 0.200 270 94.200	315 92.200 0.200
Location Latitude 7 41-25-26.0 N Address: VINEYARD HAVE City: WEST TISBURY Co Antenna: 2 Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 3 Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 4 Maximum Transmitting ERP in	Longitude 070-40-19.0 W EN RD. punty: DUKES S n Watts: 140.820 0 94.100 0.280 n Watts: 140.820 0 94.100 0.270 n Watts: 140.820	Gi (m 75 State: MA 45 85.900 14.130 45 85.900 0.200	90 74.600 75.860 90 74.600 0.200	0.840 vation 135 81.300 93.330 135 81.300 1.550	14.280 Structure Hg (meters) 24.6 eadline: 180 88.400 27.540 180 88.400 29.510	225 65,700 1.480 225 65,700 93,330	Antenna S Registratio 1008408 270 94.200 0.200 270 94.200 74.130	315 92.200 0.200 315 92.200 12.590

Call Sign: KNKN826	File	Number:	i.		P	rint Date	:	
8 41-23-37.0 N 07	ongitude 70-32-13.0 W	(n	round Elev neters) 1.0		ructure Hg eters) .8	t to Tip	Antenna St Registratio 1006319	
Address: PENNYWISE PATH	DUIVES Sto	ite: MA	Construct	ion Doodli	no•			
City: EDGARTOWN County:	DUKES SIA	ite: MA	Construct	ion Deadn	<u></u>			
Antenna: 2 Maximum Transmitting ERP in Wa Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 3	tts: 140.820 0 49.100 330.250	45 49.100 46.650	90 44.700 1.120	135 45.200 0.910	180 47.400 0.910	225 45.700 1.170	270 27.900 25.640	315 39.600 301.190
Maximum Transmitting ERP in Wa Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 4	49.100 3.150	45 49.100 67.430	90 44.700 415.760	135 45.200 203.630	180 47.400 16.940	225 45.700 0.910	270 27.900 0.910	315 39.600 0.910
Maximum Transmitting ERP in Wa Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts)	49.100 0.910	45 49.100 0.910	90 44.700 0.910	135 45.200 8.890	180 47.400 158.070	225 45.700 425.450	270 27.900 104.440	315 39.600 4.560
	ongitude 70-34-14.1 W	(r	Ground Elev neters) 9.6		ructure Hg neters)	t to Tip	Antenna Se Registration	
Address: BOURNEDALE ROAD	The state of the second second	NE)			n Deadline	:		
Antenna: 2 Maximum Transmitting ERP in Wa Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts)	140.820 0 62.400 40.000	45 83.800 40.000	90 86.700 40.000	135 34,600 40,000	180 41.500 40.000	225 85.900 40.000	270 77.400 40.000	315 55.000 40.000
Location Latitude Lo	ongitude		Ground Elev meters)	A CONTRACTOR OF THE PARTY OF TH	/ ructure Hg neters)	t to Tip	Antenna S Registratio	
Address: 1.0 MILE NW OF THE	59-58-31.1 W INTERSEC. (RNSTABLE				EURSON			
Antenna: 4					1			
Maximum Transmitting ERP in Wa Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 5	0 63.500 75.860	45 69.600 89.130	90 69.600 23.440	135 64.800 2.290	180 69.500 0.200	225 68.900 0.200	270 57.100 1.510	315 54.300 15.140
Maximum Transmitting ERP in Wa Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts)	140.820 0 63.500 0.300	45 69.600 3.090	90 69.600 30.200	135 64.800 93.330	180 69.500 66.070	225 68.900 11.220	270 57.100 1.050	315 54.300 0.200

Call Sign: KNKN826

File Number:

Print Date:

O 0.g	File	Mulliper.				Tillt Date	•	
Location Latitude	Longitude		round Elev neters)		ructure Hg neters)	gt to Tip	Antenna St Registratio	
10 41-41-38.4 N	069-58-31.1 W		5.1		5.6			
Address: 1.0 MILE NW OF TH	IE INTERSEC. C	F RTE. 2	8 AND MA	IN STRE	ET			
City: CHATHAM/ County: I	BARNSTABLE	State: M	A Const	ruction D	eadline:			
Antenna: 6 Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts)	Watts: 140,820 0 63,500 5,500	45 69.600 0.500	90 69.600 0.200	135 64.800 0.780	180 69.000 6.760	225 68.900 51.290	270 57.100 100.000	315 54,300 42,660
Location Latitude 11 41-43-48.4 N Address: RTE. 130 City: SANDWICH County:	Longitude 070-29-26.1 W BARNSTABLE	(m	round Elev neters) 3.3 MA Cons			gt to Tip	Antenna St Registratio	
Antenna: 4 Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts)	Watts: 140.820 0 103.400 33:270	45 106.700	90	135 84,200	180 86.900	225 68.600	270 83.600	315 77.200
Antenna: 5 Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 6	Watts: 140.820 0 103.400 0.280	36.480 45 106.700 5.500	90 100,400 39,810	1.520 135 84.200 95.500	0.100 180 86.900 75.860	0.100 225 68.600 16.980	0.980 270 83.600 1.740	8.750 315 77.200 0.200
Maximum Transmitting ERP in Azimuth (from true north) Antenna Height AAT (meters) Transmitting ERP (watts)	Watts: 140.820 0 103.400 8.510	45 106.700 0.720	90 100.400 0.200	135 84,200 0,950	180 86.900 11.220	225 68.600 61.660	270 83.600 100.000	315 77.200 53.700

Control Points:

Control Pt. No. 1

Address: 500 West Dove Road

City: Southlake County: TARRANT State: TX Telephone Number: (800)264-6620

Waivers/Conditions:

License renewal granted on a conditional basis, subject to the outcome of FCC proceeding WT Docket No. 10-112 (see FCC 10-86, paras. 113 and 126).

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY CELLCO PARTNERSHIP 5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING ALPHARETTA, GA 30022

Call Sign WPOJ760	File Number				
Radio Service					
CW - PCS Broadband					
š.					

FCC Registration Number (FRN): 0003290673

Grant Date 06-19-2009	Effective Date 11-30-2017	Expiration Date 06-30-2019	Print Date		
Market Number BTA201	Chamiei Diock				
	Market Hyannis				
1st Build-out Date 06-30-2004	2nd Build-out Date 06-30-2009	3rd Build-out Date	4th Build-out Date		

Waivers/Conditions:

This authorization is subject to the condition that, in the event that systems using the same frequencies as granted herein are authorized in an adjacent foreign territory (Canada/United States), future coordination of any base station transmitters within 72 km (45 miles) of the United States/Canada border shall be required to eliminate any harmful interference to operations in the adjacent foreign territory and to ensure continuance of equal access to the frequencies by both countries.

Spectrum Lease associated with this license. See Spectrum Leasing Arrangement Letter dated 07/27/2004 and File No. 0001765259.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

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Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY CELLCO PARTNERSHIP 5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING ALPHARETTA, GA 30022

Call Sign KNLG356	File Number 0007716985	
ATTENDED TO THE PERSON OF THE	Service Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 06-02-2017	Effective Date 06-02-2017	Expiration Date 06-27-2027	Print Date 06-03-2017
Market Number BTA201	Chann	el Block	Sub-Market Designator 0
	Market Hyannis	s, MA	
1st Build-out Date 06-27-2002	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

License renewal granted on a conditional basis, subject to the outcome of FCC proceeding WT Docket No. 10-112 (see FCC 10-86, paras. 113 and 126).

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

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Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY **CELLCO PARTNERSHIP** 5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING ALPHARETTA, GA 30022

Call Sign WQCN362	File Number
Radio	Service
CW - PCS	Broadband

FCC Registration Number (FRN): 0003290673

Grant Date 07-30-2009	Effective Date 11-30-2017	Expiration Date 06-30-2019	Print Date		
Market Number BTA201	Channel Block				
	Market Hyannis	s, MA			
1st Build-out Date 06-30-2004	2nd Build-out Date 06-30-2009	3rd Build-out Date	4th Build-out Date		

Waivers/Conditions:

This authorization is subject to the condition that, in the event that systems using the same frequencies as granted herein are authorized in an adjacent foreign territory (Canada/United States), future coordination of any base station transmitters within 72 km (45 miles) of the United States/Canada border shall be required to eliminate any harmful interference to operations in the adjacent foreign territory and to ensure continuance of equal access to the frequencies by both countries.

Spectrum Lease associated with this license. See Spectrum Leasing Arrangement Letter dated 07/27/2004 and File No. 0001765259.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

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Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY CELLCO PARTNERSHIP 5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING ALPHARETTA, GA 30022 Call Sign File Number
WQGA900

Radio Service
AW - AWS (1710-1755 MHz and
2110-2155 MHz)

FCC Registration Number (FRN): 0003290673

Grant Date 11-29-2006	Effective Date 11-01-2016	Expiration Date 11-29-2021	Print Date				
Market Number BEA003 Channel Block B Sub-Market Des							
Market Name Boston-Worcester-Lawrence-Lowe							
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date				

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

AWS operations must not cause harmful interference across the Canadian or Mexican Border. The authority granted herein is subject to future international agreements with Canada or Mexico, as applicable.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.