

December 2004
New FM – Channel 289C2 – Manhattan, MT
Allocation Study

One-Step Upgrade Allotment Site and Transmitter Site

A single site is specified as both the Channel 289C2 allotment site and the proposed transmitter site. The attached spacing study shows that this site meets the co-channel and adjacent channel spacing requirements for Class C2 stations as prescribed in §73.207 of the Commission's Rules. This site is located 26 kilometers from the far side of Manhattan, and therefore will encompass the entirety of Manhattan within a 32.6 kilometer arc (standard Class C2 70 dBu contour distance).

SEARCH PARAMETERS

FM Database Date: 041222

Channel: 289C2 105.7 MHz
 Latitude: 45 38 16
 Longitude: 111 16 5
 Safety Zone: 32 km
 Job Title: MANHATTAN 289C2 AT HIGH FLAT
 Page 1

Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
KMMS-FM LIC	BOZEMAN MT	BLH-860825KA	236C1 95.1	100.000 238.0	45-40-24 110-52-02	82.6	31.49 4.49	27 CLOSE
NEW-T APP	BOZEMAN MT	BNPFT-030317LYP	286D 105.1	0.025 155.0	45-40-03 111-01-30	80.0	19.23 0.00	0 TRANS
NEW-T APP	BOZEMAN MT	BNPFT-030317KAK	286D 105.1	0.140 137.0	45-39-33 111-03-22	81.7	16.69 0.00	0 TRANS
NEW-T APP	GALLATIN GATEWAY MT	BNPFT-030314ASI	286D 105.1	0.170 DA 319.0	45-38-15 111-16-04	145.0	0.04 0.00	0 TRANS
NEW-T APP	BOZEMAN MT	BNPFT-030317JRE	287D 105.3	0.250 104.0	45-42-27 111-04-27	62.7	16.98 0.00	0 TRANS
K288ES LIC	BIG SKY MT	BLFT-961104TD	288D 105.5	0.035 DA 640.0	45-16-25 111-23-36	193.6	41.64 0.00	0 TRANS
K288FR CP	BOZEMAN MT	BNPFT-030829AUN	288D 105.5	0.016 387.0	45-58-38 111-20-23	351.7	38.14 0.00	0 TRANS
K288DZ LIC	DILLON MT	BLFT-890613TB	288D 105.5	0.075 DA 1018.0	44-56-20 112-43-57	236.4	138.68 0.00	0 TRANS
K288DQ LIC	MAMMOTH HOT SPRINGS, WY	BLFT-871208TH	288D 105.5	0.038 DA 745.0	44-55-56 110-42-20	150.5	89.98 0.00	0 TRANS
NEW-T APP	BOZEMAN MT	BNPFT-030317ETC	289D 105.7	0.092 170.0	45-40-33 111-08-25	66.9	10.82 0.00	0 TRANS
VAC	MANHATTAN MT	-	289A 105.7	0.000 0.0	45-51-12 111-19-42	349.0	24.41 -141.59	166 SHORT
ABSOLUTE MINIMUM 73.215 SPACING = 143 KM								
NEW APP	MANHATTAN MT	BSFH-040727AGU	289A 105.7	0.000 0.0	45-57-25 111-22-11	347.5	36.34 -129.66	166 SHORT
ABSOLUTE MINIMUM 73.215 SPACING = 143 KM								
K289BB CP	WEST YELLOWSTONE MT	BNPFT-030829AIZ	289D 105.7	0.250 37.0	44-39-36 111-06-14	173.2	109.43 0.00	0 TRANS
NEW-T APP	BOZEMAN MT	BNPFT-030314ADC	290D 105.9	0.015 331.0	45-38-10 111-16-21	241.8	0.39 0.00	0 TRANS

=====

SEARCH PARAMETERS	Channel: 289C2 105.7 MHz	FM Database Date: 041222
	Latitude: 45 38 16	Page 2
	Longitude: 111 16 5	
	Safety Zone: 32 km	
	Job Title: MANHATTAN 289C2 AT HIGH FLAT	

Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
NEW-T	BOZEMAN		290D	0.092	45-40-33	66.9	10.82	0
APP	MT	BNPFT-030317IOR	105.9	170.0	111-08-25		0.00	TRANS
NEW-T	BOZEMAN		291D	0.010	45-40-24	82.6	31.49	0
APP	MT	BNPFT-030310AQK	106.1	578.0	110-52-02		0.00	TRANS
NEW-T	BOZEMAN		291D	0.092	45-40-33	66.9	10.82	0
APP	MT	BNPFT-030317IOW	106.1	170.0	111-08-25		0.00	TRANS
KEAC-LP	CARDWELL		291L1	0.001	45-55-15	298.6	66.46	53
CP	MT	BNPL-010615ANR	106.1	441.0	112-01-15		13.46	CLEAR
NEW-T	BOZEMAN		292D	0.092	45-40-33	66.9	10.82	0
APP	MT	BNPFT-030317IPA	106.3	170.0	111-08-25		0.00	TRANS

44444 END OF FM SPACING STUDY FOR CHANNEL 289 44444