

KMTJ(FM) Columbus, MT											
Section 73.509 Channel Overlap Study											
REFERENCE		CH#	213A	-	90.5 MHz,	Pwr= 0.1 kW,	HAAT= 1.0 M,	COR= 1232 M	DISPLAY DATES		
45 37 13.0 N.		Average Protected F(50-50)= 5.64 km								DATA 07-19-12	
109 15 29.0 W.		Omni-directional								SEARCH 07-22-12	
CH	CALL	TYPE	ANT	AZI	DIST	LAT	PWR(kW)	INT(km)	PRO(km)	*IN*	*OUT*
CITY		STATE		<--	FILE #	LNG	HAAT(M)	COR(M)	LICENSEE	(Overlap in km)	
215C3	KLRV	LIC_VX		75.2	64.56	45 45 54.0	7.500	4.3	44.7	54.2	19.2
Billings		MT		255.8	BLED20050531AIX	108 27 19.0	181	1230	Educational	Media Foundati	
211A	KBLW	LIC_CX		75.7	64.65	45 45 37.0	0.450	1.5	22.2	56.9	41.7
Billings		MT		256.3	BLED20060320AGX	108 27 09.0	137	1187	Hi-line	Radio Fellowship,	
266L1	KFWH-LP«	CP_		71.7	56.27	45 46 36.0	0.100	80.9	26.5	5.5R	50.8M
Billings		MT		252.2	BPL20120403AAA	108 34 15.0	-73	974	Best Of	Billings Schools A	
266L1	KFWH-LP«	LIC_		72.2	60.23	45 46 59.0	0.100	80.9	26.5	5.5R	54.7M
Billings		MT		252.7	BLL20090504AAR	108 31 13.0		971	Best Of	Billings Schools A	
06 2C	KTVM-TV	LI_HN		281.0	251.16	46 00 27.0	19.200	0.7	55.6	0.0R	251.2M
Butte		MT		98.8	BLCDT20100629AVB	112 26 30.0	591	2566	Bluestone	License Holdings	

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM  
 Contour distances are on direct line to and from reference station. Reference zone= , Co to 3rd adjacent.  
 All separation margins (if shown) include rounding  
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beam tilt(Y,N,X)  
 "\*"affixed to 'IN' or 'OUT' values = site inside protected contour.  
 « = Station meets FCC minimum distance spacing for its class.