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KDSP-FM2, BOULDER, CO EXHIBIT 13
CONTOUR SPACING STUDY

09-09-2011

PAGE 1

FM Study for: KDSP-FM2 Proposed FCC Database Date: 9/9/2011 39-57-37
 Location: BOULDER, CO Channel Class: D 105-12-46

Contours calculated on direct line using 73.509(a)

[*] by Distance indicates directional antenna used in calculation.

[*] by HAAT indicates calculated as missing in database.

Call City, State Chan Class Freq kw Latitude Dist. Required
 Status Proponent File Number HAAT Longitude Azm. Clear (km)

>>>>>>> Study For Channel 272 102.3 MHz <<<<<<<<

K219LF	IDAHO SPRINGS, CO	219 D	91.7	.026+	39-43-45	25.7	0	
LIC	Fac. No. 158527	BLFT-20090415ADB	229		105-14-08	184.4	+25.7	CLEAR
K269AE	BOULDER, CO	269 D	101.7	.103	39-57-38	0.1	14	
LIC	Fac. No. 26927	BLFT-221		-58	105-12-52	282.2	-13.9	SHORT
KDSP-B	F(50,10) 100 dBu =	1 km, K269AEF(50,50)	60 dBu =	11 KM	-11 km			
K269CL	EVERGREEN, CO	269 D	101.7	.035+	39-37-24	38.0	14	
LIC	Fac. No. 48963	BLFT-19950811TB	354		105-17-24	190.1	+24.0	CLEAR
KDSP-B	F(50,10) 100 dBu =	1 km, K269CLF(50,50)	60 dBu =	1 KM	+37 km*			
NEW-X	GOLDEN, CO	270 D	101.9	.010+	39-43-46	25.7	14	
APP	Fac. No. 147935	BNPFT-20030314BOM	216		105-14-08	184.4	+11.7	CLOSE
KDSP-B	F(50,10) 100 dBu =	1 km, NEW-X F(50,50)	60 dBu =	10 KM	+15 km*			
KXWA	CENTENNIAL, CO	270 C3	101.9	9.50	39-23-07	65.4	40	73.215
LIC	Fac. No. 70822	BLH-20071207AAY	163		105-02-52	167.4	+25.4	CLEAR
KDSP-B	F(50,10) 100 dBu =	1 km, KXWA F(50,50)	60 dBu =	58 KM	+7 km			
KRKYFM	ESTES PARK, CO	271 A	102.1	6.00	40-21-38	51.6	47	
LIC	Fac. No. 76780	BLH-20070117AAE	25		105-31-12	329.6	+4.6	CLOSE
KDSP-B	F(50,10) 54 dBu =	6 km, KRKYFMF(50,50)	60 dBu =	39 KM	+6 km			
KSMT	BRECKENRIDGE, CO	271 A	102.1	6.00+	39-29-44	86.9	47	73.215
LIC	Fac. No. 57336	BLH-20070504ABR	-64		106-01-44	233.9	+39.9	CLEAR
KDSP-B	F(50,10) 54 dBu =	6 km, KSMT F(50,50)	60 dBu =	12 KM	+68 km*			
K271BN	ESTES PARK, CO	271 D	102.1	.250+	40-26-15	67.4	32	
LIC	Fac. No. 142146	BLFT-20100922ABN	69		104-43-25	38.0	+35.4	CLEAR
KDSP-B	F(50,10) 54 dBu =	6 km, K271BNF(50,50)	60 dBu =	9 KM	+52 km*			
KDSP	GREENWOOD VILLAG, CO	272 A	102.3	1.00+	39-43-59	25.3	73	
LIC	Fac. No. 37028	BLH-20070514AGO	238		105-14-10	184.5	-47.7	SHORT
KDSP-B	F(50,10) 40 dBu =	14 km, KDSP F(50,50)	60 dBu =	36 KM	-25 km*			
KTRR	LOVELAND, CO	273 C2	102.5	17.0	40-38-31	82.8	71	73.215
LIC	Fac. No. 50375	BLH-20051107AEI	234		104-49-03	23.8	+11.8	CLOSE
KDSP-B	F(50,10) 54 dBu =	6 km, KTRR F(50,50)	60 dBu =	53 KM	+24 km			
K274BW	BERTHOUD, CO	274 D	102.7	.250+	40-00-43	6.1	14	
LIC	Fac. No. 140247	BLFT-20090623ACK	-16		105-11-16	20.4	-7.9	SHORT
KDSP-B	F(50,10) 100 dBu =	1 km, K274BWF(50,50)	60 dBu =	7 KM	-1 km*			
KARSFM	LARAMIE, WY	275 C1	102.9	83.0	40-52-37	109.7	73	
LIC	Fac. No. 10334	BLH-20051031ABO	248		105-41-44	338.2	+36.7	CLEAR
KDSP-B	F(50,10) 100 dBu =	1 km, KARSFMF(50,50)	60 dBu =	68 KM	+41 km			