

Exhibit #13B **FM Over Calculation** **Translator K224CW**

Seeks Channel 278D – 103.5 MHz
0.036 kW ERP – 2346 m COR AMSL
Cuba, New Mexico
December 2009

12-07-2009 NGDC 30 SEC Terrain Data FMOver Analysis

KDRF BLH20020425ABH
Channel = 277C
Max ERP = 20 kW
RCAMSL = 3314 M
N. Lat. 35 12 50.0
W. Lng. 106 27 01.0

K224CW
Channel = 278D
Max ERP = 0.036 kW
RCAMSL = 2346 M
N. Lat. 36 06 54.0
W. Lng. 106 57 17.0

Protected
60 dBu

Interfering
54 dBu

Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
310.0	020.0000	1545.1	095.3	215.3	000.0360	0159.4	047.5	33.73	
311.0	020.0000	1540.9	095.3	215.1	000.0360	0159.9	045.9	34.42	
312.0	020.0000	1536.6	095.2	214.8	000.0360	0160.6	044.2	35.15	
313.0	020.0000	1531.9	095.2	214.5	000.0360	0161.6	042.6	35.91	
314.0	020.0000	1527.4	095.2	214.1	000.0360	0162.6	040.9	36.71	
315.0	020.0000	1523.2	095.1	213.6	000.0360	0163.7	039.3	37.52	
316.0	020.0000	1519.4	095.1	213.0	000.0360	0164.7	037.7	38.35	
317.0	020.0000	1516.1	095.1	212.3	000.0360	0165.5	036.1	39.19	
318.0	020.0000	1513.4	095.0	211.6	000.0360	0165.8	034.5	40.01	
319.0	020.0000	1510.5	095.0	210.7	000.0360	0165.6	032.9	40.81	
320.0	020.0000	1507.6	095.0	209.7	000.0360	0164.7	031.4	41.59	
321.0	020.0000	1504.6	094.9	208.5	000.0360	0163.0	029.9	42.37	
322.0	020.0000	1501.6	094.9	207.1	000.0360	0159.1	028.4	43.07	
323.0	020.0000	1498.3	094.9	205.6	000.0360	0150.2	026.9	43.48	
324.0	020.0000	1494.6	094.8	203.8	000.0360	0139.3	025.5	43.76	
325.0	020.0000	1490.5	094.8	201.7	000.0360	0135.9	024.1	44.52	
326.0	020.0000	1486.3	094.8	199.3	000.0360	0155.5	022.7	46.76	
327.0	020.0000	1482.5	094.7	196.5	000.0360	0191.8	021.5	49.61	
328.0	020.0000	1479.2	094.7	193.4	000.0360	0213.0	020.3	51.46	
329.0	020.0000	1475.8	094.7	189.8	000.0360	0224.6	019.2	52.82	
330.0	020.0000	1472.5	094.6	185.8	000.0360	0214.3	018.2	53.23	
331.0	020.0000	1469.5	094.6	181.3	000.0360	0204.0	017.3	53.51	
332.0	020.0000	1466.9	094.6	176.3	000.0360	0200.8	016.6	53.98	
333.0	020.0000	1464.7	094.5	170.9	000.0360	0181.0	016.0	53.56	
334.0	020.0000	1463.1	094.5	165.1	000.0360	0149.3	015.6	52.09	
335.0	020.0000	1461.8	094.5	159.0	000.0360	0095.5	015.4	48.34	
336.0	020.0000	1460.9	094.5	152.9	000.0360	0001.8	015.4	38.25	
337.0	020.0000	1460.1	094.5	146.8	000.0360	-0095.1	015.6	38.08	
338.0	020.0000	1458.6	094.5	141.0	000.0360	-0210.7	016.0	37.74	
339.0	020.0000	1456.0	094.4	135.6	000.0360	-0311.5	016.6	37.24	
340.0	020.0000	1452.4	094.4	130.7	000.0360	-0391.3	017.3	36.60	
341.0	020.0000	1447.8	094.3	126.3	000.0360	-0460.7	018.2	35.84	
342.0	020.0000	1442.2	094.3	122.4	000.0360	-0515.5	019.3	34.99	
343.0	020.0000	1435.8	094.2	119.0	000.0360	-0548.9	020.4	34.07	
344.0	020.0000	1428.7	094.1	116.1	000.0360	-0567.3	021.7	33.12	
345.0	020.0000	1421.2	094.0	113.5	000.0360	-0581.7	023.0	32.14	
346.0	020.0000	1413.8	093.9	111.3	000.0360	-0591.7	024.3	31.18	
347.0	020.0000	1406.4	093.8	109.4	000.0360	-0598.1	025.7	30.24	
348.0	020.0000	1398.8	093.7	107.7	000.0360	-0600.9	027.2	29.33	
349.0	020.0000	1390.8	093.6	106.3	000.0360	-0603.6	028.7	28.49	
350.0	020.0000	1382.4	093.5	105.1	000.0360	-0607.7	030.2	27.72	

At no point on the KDRF (FM) 60 dBu (protected) contour does the proposed K224CW deliver more than 54 dBu (interfering).

Bromo Communications, Inc.