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401 Main St., Ste 213, Cedar Falls, IA 50613

Contour-to-Contour Allocations Table

Kcbx, Inc										
REFERENCE	CH#	215D	-	90.9 MHz,	Pwr= 0.25 kW DA,	HAAT= -66.9 M,	COR= 17.4 M	DISPLAY DATES		
35 10 12.5 N.					Average Protected F(50-50)= 7.09 km			DATA 02-12-15		
120 44 22.9 W.					Standard Directional			SEARCH 02-12-15		
CH	CALL	TYPE	ANT	AZI	DIST	LAT	PWR (kW)	INT (km)	PRO (km)	*OUT*
CITY		STATE		<--	FILE #	LNG	HAAT (M)	COR (M)	LICENSEE	(Overlap in km)
215D	K215AH	LIC DHN		63.8	1.57	35 10 35.0	0.010	6.8	2.2	-19.3*
Avila Beach		CA		243.8	BLFT19830509MF	120 43 27.0	-20	71	Kcbx, Inc	
217A	KCPR	LIC DCX		19.8	22.49	35 21 38.0	0.310	0.9	29.4	-7.1*JEE
San Luis Obispo		CA		199.8	BLED20071017AGL	120 39 21.0	432	803	Kcpr-fm	
213B	KGDP-FM	LIC DCX		150.6	54.64	34 44 30.0	17.500	5.5	51.2	3.2
Santa Maria		CA		330.7	BLED20060828AAQ	120 26 45.0	252	403	Family Life Broadcasting,	
214D	K214ET	LIC DV		20.0	22.49	35 21 37.0	0.005	18.7	11.4	7.4
San Luis Obispo		CA		200.0	BLFT20110517ADY	120 39 18.0	502	828	Calvary Chapel Of Twin Fal	
215A	KSIY	CP DVX		323.6	48.98	35 31 28.0	0.500	66.9	22.2	18.9
San Simeon		CA		143.4	BMPED20130222ADO	121 03 39.0	150	263	Centro Cristiano Vida Abun	
215A	KSIY	LIX VX		323.6	48.98	35 31 28.0	0.320	65.3	21.5	19.5
San Simeon		CA		143.4	BLED20130326BDK	121 03 39.0	150	263	Centro Cristiano Vida Abun	
216D	K216AG	LIC C		337.4	33.23	35 26 46.0	0.038	12.8	9.1	20.0
Cayucos		CA		157.3	BLFT20050309ABU	120 52 50.0	13	183	Kcbx, Inc	
218B1	KRQZ	LIC ZCX		140.3	48.28	34 50 08.0	4.000	1.2	25.2	22.6
Lompoc		CA		320.5	BLED20080821AAI	120 24 06.0	238	410	Spirit Communications, Inc	
06ZT	KUHD-LP	LI D_N		125.0	157.43	34 20 57.0	0.999	0.8	3.2	133.5R
Ventura		CA		305.8	BLTVL20100402ABY	119 20 07.0	632	642	Obidia Porras	23.9M
06 D	1329572	AP D_N		119.7	58.10	34 54 36.0	0.300	2.3	23.2	25.5R
Santa Maria		CA		300.0	BNPDVL20090825BOX	120 11 10.0	677	897	James L. Primm	32.6M
216D	K216FQ	LIC DV		138.9	49.55	34 50 02.0	0.010	13.6	9.6	32.9
Santa Maria		CA		319.1	BLFT20090209AAF	120 22 57.0	228	419	Calvary Chapel Of Twin Fal	
215B	KGZO	LIC DC		81.9	90.92	35 16 51.0	1.900	90.6	31.1	37.3
Shafter		CA		262.5	BLED19980713KA	119 44 52.0	631	1294	The Association For Commun	
215D	K215EQ	LIC DV		150.2	56.27	34 43 50.0	0.010	21.5	6.5	37.6
Lompoc		CA		330.4	BLFT20080902AAE	120 26 01.0	127	292	Calvary Chapel Of Twin Fal	
215D	K215AF	LIC C		324.3	52.01	35 32 59.0	0.013	17.1	5.3	38.7
Cambria		CA		144.1	BLFT20040813AAV	121 04 30.0	-2	140	Kcbx, Inc	
06 D	1433847	AP N		119.7	58.10	34 54 36.0	0.020	2.3	3.3	5.7R
San Luis Obispo		CA		300.0	BNPDVL20090825BTH	120 11 10.0	-180	40	Termer	52.4M
06ZD	KJKZ-LP	AP D_N		36.4	218.82	36 44 45.0	3.000	0.8	3.2	133.5R
Fresno		CA		217.2	BDISTVL20130325APW	119 16 57.0	894	1054	Cocola Broadcasting Compan	85.3M
06-T	KBKF-LP	LI D_N		335.7	237.44	37 06 39.1	0.600	0.8	3.2	133.5R
San Jose		CA		155.0	BLTVL20100818AAH	121 50 37.0	1007	1184	Venture Technologies Group	103.9M
06 T	KBKF-LP	CP D_N		335.7	237.44	37 06 39.1	2.000	0.8	3.2	133.5R
San Jose		CA		155.0	BDFCDVL20140213AAR	121 50 37.0	1007	1184	Venture Technologies Group	103.9M
06 D	K06QL-D	CP D_N		357.4	258.28	37 29 26.8	0.300	2.3	23.2	133.5R
Ceres		CA		177.3	BNPDVL20090825BYV	120 52 26.8	79	95	One Ministries, Inc.	124.8M
06-D	KSFV-CD	LI N		112.7	266.93	34 12 46.0	0.499	0.8	3.2	133.5R
San Fernando Valley		CA		294.3	BLTVA20041104AKL	118 03 42.0		1680	Venture Technologies Group	133.4M
06 D	KMRZ-LD	AP D_N		112.7	266.94	34 12 46.1	1.500	0.8	3.2	133.5R
Los Angeles		CA		294.3	BDISDVL20140401AHG	118 03 41.6	1486	1680	Venture Technologies Group	133.4M
06-D	KSFV-CD	AP N		112.7	266.94	34 12 46.1	3.000	0.8	3.2	133.5R
Los Angeles		CA		294.3	BPTVA20090630AFD	118 03 41.6	1486	1680	Venture Technologies Group	133.4M
06 D	KMRZ-LD	AP D_N		112.7	266.94	34 12 46.1	3.000	0.8	3.2	133.5R
Los Angeles		CA		294.3	BDISDVL20130424ABJ	118 03 41.6	1486	1680	Venture Technologies Group	133.4M
06ZT	KLOA-LP	LI D_N		82.8	266.95	35 26 10.0	3.000	0.8	3.2	133.5R
Inyokern, Etc.		CA		264.5	BLTVL20080516ABV	117 48 56.0	895	1528	Robert D. Adelman	133.5M
06ZT	KLOA-LP	AP D_N		82.0	277.88	35 28 41.0	0.749	0.8	3.2	133.5R
Inyokern, Etc.		CA		263.8	BPTVL20130318AFK	117 41 58.0	587	1345	Robert D. Adelman	144.4M

CH CITY	CALL	TYPE STATE	ANT N	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*OUT*
									(Overlap in km)	
06-T San Jose	KBKF-LP	AP CA	___N	339.0 158.3	278.02 BPTVL20101014ACL	37 29 56.0 121 52 16.0	3.000 819	0.8 831	3.2 Venture Technologies Group	133.5R 144.5M
06+T Johannesburg	1273699	AP CA	D_N	84.8 266.5	282.17 BNPTVL20000829AXH	35 21 46.0 117 38 24.0	0.250 525	0.8 1291	3.2 Jeff Chang	133.5R 148.7M
06 T Newberry Springs	K06IQ	CP CA	D_N	94.6 276.9	371.65 BDFCDTV20120622ADG	34 50 03.0 116 40 45.0	0.208 69	0.8 618	3.2 County Of San Bernardino A	133.5R 238.2M

Terrain database is FCC 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= West Zone, Co to 3rd adjacent.
All separation margins (if shown) include rounding. Call signs with strikeout need not be protected.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt (Y,N,X)
Incoming contour overlap is ignored.

"*"affixed to 'IN' or 'OUT' values = site inside restricted contour.

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HOW TO READ THE FM COMPUTER PRINT-OUT

Translator Reference Station

The computer printout should be self-explanatory for the most part. The parameters of the station being checked, (reference station) are printed in the heading. The 60 dBu protected contour is predicted from the Commission's F(50-50) table. Contour distances are in kilometers and are predicted using the Commission's TVFMINT FORTRAN subroutine. When interference contour distances are less than 16 kilometers the F(50-50) tables are used. If signal contour distances are less than 1.6 km the free-space equation is used.

All distances are derived by the method detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90. The column labeled "* OUT *" shows the greatest distance in kilometers of overlap (or smallest distance of clearance) between the reference station's interference contour and the database station's protected contour. Negative distance figures in this column indicate outgoing contour overlap. Since translators are able to receive interference there is no "In" or incoming column in this report.

Listed antenna heights and power are the specific antenna heights and power from the FCC database.

Under the "AZI" column, the first row of numbers indicate the True North azimuths from the reference station toward the database stations, while the numbers in the second row indicate the reverse bearings from the database stations to the reference station. Bearings are calculated using spherical trigonometry.

The columns labeled "INT" and "PRO" contain the distance in kilometers of the appropriate interference contour and the protected contour of a data base station.

For I.F. relationships the minimum spacings the "OUT" columns change its significance. The letter "R" stands for the minimum **required** distance in kilometers, while the letter "M" in the next column displays the **available clear space** separation in kilometers. Minimum separation distances when displayed are taken from Sec 73.207 of the rules as amended. Canadian and Mexican separation distances, U/D ratios and protected contour values are from the US/Mexican Working Agreement and the US/Canada Working Agreement".

The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" if the facility is directional. "Z" indicates a 73.215 directional. An "N" indicates it is a 73.215 station that operates with an omni-directional antenna. The fifth letter will be an E, H or V depending on the type of antenna polarization. The sixth letter will be a "Y" if the antenna uses beam tilt or an "X" if the commission is not sure, otherwise it will be an "N" or left blank.

2nd Adjacent Interference Analysis:

K215AH, proposed antenna located at pier end.

The proposed Scala CA5-FM antenna will be side-mounted to the existing transmitter building, owned by California Polytechnic State University, on a 35' pole to be placed alongside the radio communication antennas of the University.



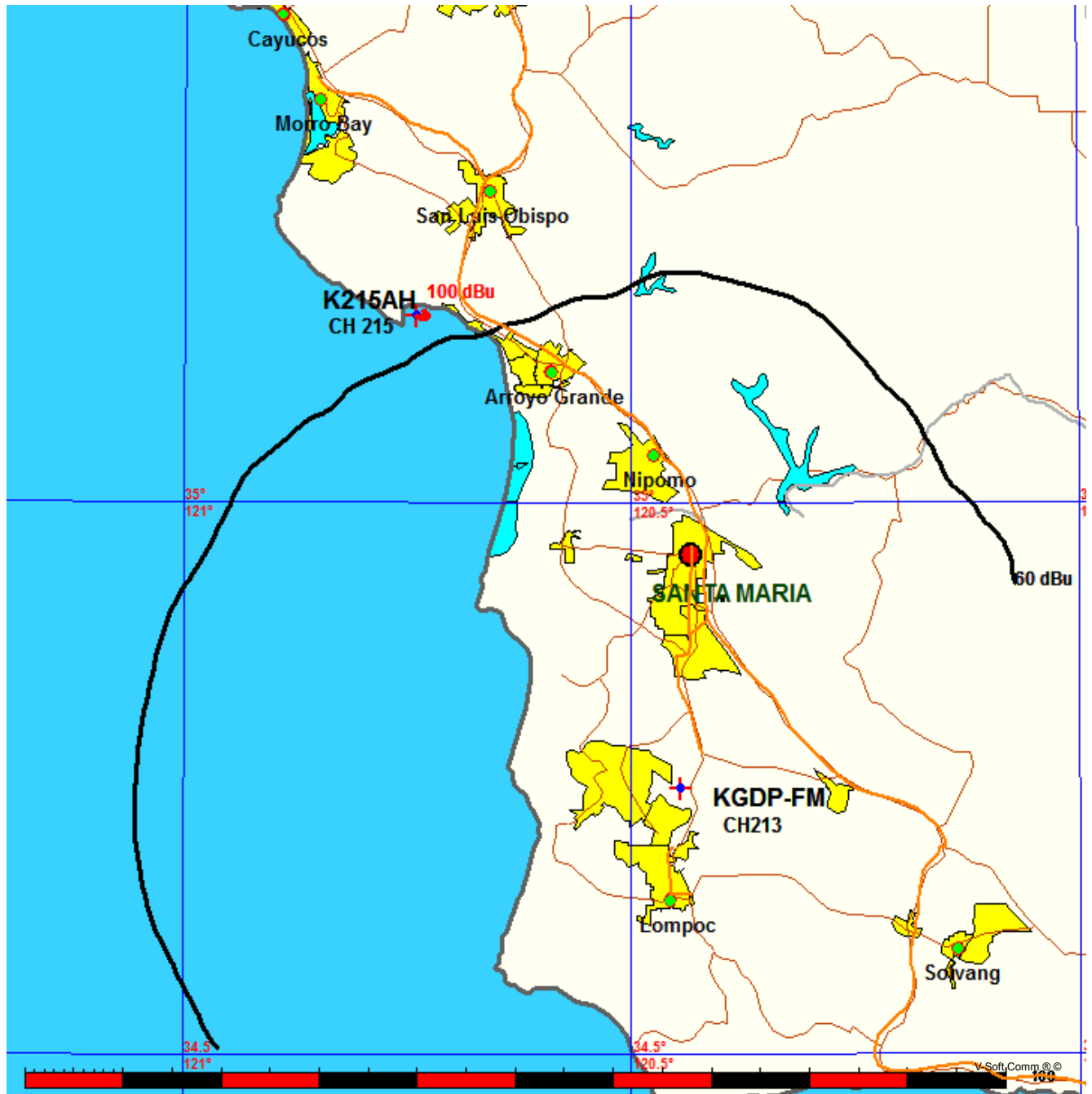
With regard to protection of KCPR's 2nd adjacent 60 dBu protected contour, a population study, using the 2010 U.S. census, shows **no population** within the 104.9 dBu interference contour. The signal strength of KCPR at the site is 64.9 dBu. The 104.9 dBu interference contour of the proposed facility has a radius of 200 meters. The pier is length is 927 meters; therefore the interference contour will not come close to touching the shoreline.

Contour-to-Contour Interference Map - KGDP-FM
Kcbx, Inc

FMCommander Single Allocation Study - 02-12-2015 - FCC NGDC 30 Sec
K215AH's Overlaps (In= 45.36 km, Out= 3.17 km)

K215AH CH 215 D DA
Lat= 35 10 12.5, Lng= 120 44 22.9
0.25 kW -66.9 M HAAT, 17.4 M COR
Prot.= 60 dBu, Intef.= 100 dBu

KGDP-FM CH 213 B DA BLED20060828AAQ
Lat= 34 44 30.0, Lng= 120 26 45.0
17.5 kW 252 M HAAT, 403 M COR
Prot.= 60 dBu, Intef.= 100 dBu



02-12-2015

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

KGDP-FM BLED20060828AAQ

K215AH

Channel = 213B

Max ERP = 17.5 kW

RCAMSL = 403 M

N. Lat. 34 44 30.0

W. Lng. 120 26 45.0

Protected

60 dBu

Channel = 215D

Max ERP = 0.25 kW

RCAMSL = 17.4 M

N. Lat. 35 10 12.5

W. Lng. 120 44 22.9

Interfering

100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
271.0	017.5000	0304.1	055.5	211.5	000.0085	0017.4	054.9	14.16	
272.0	017.5000	0303.3	055.5	212.0	000.0085	0017.4	054.0	14.34	
273.0	017.5000	0302.4	055.4	212.4	000.0084	0017.4	053.2	14.51	
274.0	017.5000	0301.8	055.4	212.9	000.0084	0017.4	052.3	14.68	
275.0	017.5000	0301.2	055.3	213.4	000.0083	0017.4	051.4	14.80	
276.0	017.5000	0300.4	055.3	213.9	000.0081	0017.4	050.6	14.93	
277.0	017.5000	0299.6	055.2	214.3	000.0080	0017.4	049.7	15.07	
278.0	017.5000	0298.8	055.2	214.8	000.0080	0017.4	048.8	15.21	
279.0	017.5000	0298.0	055.1	215.2	000.0079	0017.4	047.9	15.36	
280.0	017.5000	0297.0	055.1	215.7	000.0078	0017.4	047.0	15.52	
281.0	017.5000	0296.1	055.0	216.1	000.0077	0017.4	046.1	15.69	
282.0	017.5000	0295.8	055.0	216.6	000.0076	0017.4	045.2	15.83	
283.0	017.5000	0296.0	055.0	217.1	000.0075	0017.4	044.4	15.99	
284.0	017.5000	0296.2	055.0	217.6	000.0074	0017.4	043.5	16.17	
285.0	017.5000	0296.3	055.0	218.2	000.0073	0017.4	042.6	16.35	
286.0	017.5000	0296.0	055.0	218.6	000.0071	0017.4	041.7	16.54	
287.0	017.5000	0295.6	055.0	219.1	000.0070	0017.4	040.8	16.74	
288.0	017.5000	0294.8	054.9	219.6	000.0069	0017.4	039.9	16.95	
289.0	017.5000	0293.7	054.8	220.0	000.0068	0017.4	039.0	17.18	
290.0	017.5000	0292.5	054.8	220.4	000.0067	0017.4	038.1	17.41	
291.0	017.5000	0290.9	054.6	220.7	000.0066	0017.4	037.1	17.65	
292.0	017.5000	0288.4	054.5	220.9	000.0065	0017.4	036.2	17.93	
293.0	017.5000	0285.7	054.3	221.1	000.0064	0017.4	035.2	18.24	
294.0	017.5000	0283.3	054.1	221.4	000.0064	0017.4	034.3	18.55	
295.0	017.5000	0281.3	054.0	221.6	000.0063	0017.4	033.3	18.86	
296.0	017.5000	0280.0	053.9	221.9	000.0063	0017.4	032.4	19.17	
297.0	017.5000	0279.4	053.8	222.3	000.0062	0017.4	031.5	19.47	
298.0	017.5000	0279.3	053.8	222.7	000.0061	0017.4	030.6	19.80	
299.0	017.5000	0279.6	053.9	223.2	000.0059	0017.4	029.7	20.15	
300.0	017.5000	0280.2	053.9	223.8	000.0058	0017.4	028.8	20.53	
301.0	017.5000	0281.2	054.0	224.4	000.0057	0017.4	027.9	20.92	
302.0	017.5000	0282.5	054.1	225.0	000.0056	0017.4	027.0	21.34	
303.0	017.5000	0284.1	054.2	225.7	000.0054	0017.4	026.1	21.77	
304.0	017.5000	0285.7	054.3	226.4	000.0052	0017.4	025.2	22.23	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
305.0	017.5000	0286.7	054.4	227.0	000.0051	0017.4	024.3	22.73
306.0	017.5000	0286.8	054.4	227.5	000.0050	0017.4	023.4	23.30
307.0	017.5000	0285.2	054.2	227.7	000.0050	0017.4	022.4	23.96
308.0	017.5000	0282.3	054.0	227.6	000.0050	0017.4	021.4	24.70
309.0	017.5000	0278.6	053.8	227.3	000.0050	0017.4	020.5	25.50
310.0	017.5000	0275.0	053.5	227.0	000.0051	0017.4	019.5	26.34
311.0	017.5000	0272.4	053.3	226.7	000.0052	0017.4	018.6	27.15
312.0	017.5000	0270.8	053.2	226.7	000.0052	0017.4	017.6	27.94
313.0	017.5000	0269.7	053.2	226.6	000.0052	0017.4	016.7	28.72
314.0	017.5000	0268.4	053.1	226.5	000.0052	0017.4	015.8	29.54
315.0	017.5000	0265.1	052.8	225.7	000.0054	0017.4	014.8	30.52
316.0	017.5000	0260.0	052.5	224.3	000.0057	0017.4	013.9	31.88
317.0	017.5000	0256.5	052.2	223.0	000.0060	0017.4	013.0	33.30
318.0	017.5000	0257.0	052.2	222.8	000.0060	0017.4	012.1	34.66
319.0	017.5000	0259.0	052.4	223.1	000.0060	0017.4	011.2	36.06
320.0	017.5000	0259.3	052.4	222.7	000.0061	0017.4	010.3	37.65
321.0	017.5000	0257.2	052.3	221.1	000.0065	0017.4	009.4	39.48
322.0	017.5000	0254.5	052.1	218.7	000.0071	0017.4	008.5	41.49
323.0	017.5000	0251.9	051.9	215.7	000.0078	0017.4	007.7	43.50
324.0	017.5000	0248.5	051.6	211.5	000.0085	0017.4	006.9	45.67
325.0	017.5000	0244.9	051.4	206.2	000.0088	0017.4	006.2	47.69
326.0	017.5000	0242.2	051.2	199.9	000.0085	0017.4	005.6	49.43
327.0	017.5000	0240.9	051.1	192.9	000.0072	0017.4	005.0	50.73
328.0	017.5000	0240.8	051.1	184.6	000.0058	0017.4	004.4	51.89
329.0	017.5000	0241.5	051.1	174.3	000.0047	0017.4	003.9	53.06
330.0	017.5000	0241.9	051.2	161.4	000.0062	0017.4	003.5	55.80
331.0	017.5000	0241.8	051.2	146.8	000.0308	0017.4	003.5	63.01
332.0	017.5000	0240.9	051.1	133.2	000.0976	0013.2	003.7	66.84
333.0	017.5000	0238.6	050.9	122.5	000.1610	0004.8	004.3	66.71
334.0	017.5000	0234.2	050.6	115.8	000.1971	-0001.7	005.0	64.84
335.0	017.5000	0228.5	050.2	111.7	000.2136	-0006.7	005.9	62.39
336.0	017.5000	0224.3	049.8	108.3	000.2256	-0013.9	006.8	60.31
337.0	017.5000	0223.1	049.7	104.4	000.2371	-0030.6	007.5	58.76
338.0	017.5000	0224.1	049.8	100.3	000.2459	-0065.3	008.2	57.53
339.0	017.5000	0224.8	049.9	097.0	000.2485	-0081.5	008.9	56.21
340.0	017.5000	0223.4	049.8	095.2	000.2449	-0087.3	009.7	54.65
341.0	017.5000	0221.1	049.6	094.1	000.2432	-0092.8	010.6	53.12
342.0	017.5000	0219.7	049.5	093.0	000.2409	-0097.8	011.4	51.69
343.0	017.5000	0220.8	049.6	091.1	000.2356	-0102.6	012.2	50.39
344.0	017.5000	0223.2	049.7	089.2	000.2300	-0096.1	013.0	49.16
345.0	017.5000	0226.0	050.0	087.4	000.2245	-0090.5	013.8	47.99
346.0	017.5000	0228.1	050.1	086.0	000.2196	-0087.5	014.6	46.87
347.0	017.5000	0229.4	050.2	085.1	000.2166	-0085.7	015.5	45.98
348.0	017.5000	0230.3	050.3	084.5	000.2142	-0084.0	016.3	45.19
349.0	017.5000	0230.0	050.3	084.2	000.2134	-0083.4	017.2	44.44
350.0	017.5000	0228.3	050.1	084.4	000.2140	-0083.8	018.1	43.71
351.0	017.5000	0226.4	050.0	084.7	000.2149	-0084.5	019.0	43.01
352.0	017.5000	0227.1	050.1	084.4	000.2138	-0083.7	019.8	42.29
353.0	017.5000	0229.2	050.2	083.8	000.2119	-0082.6	020.7	41.56
354.0	017.5000	0234.3	050.6	082.8	000.2083	-0082.4	021.6	40.81
355.0	017.5000	0240.1	051.0	081.7	000.2036	-0082.3	022.5	40.03

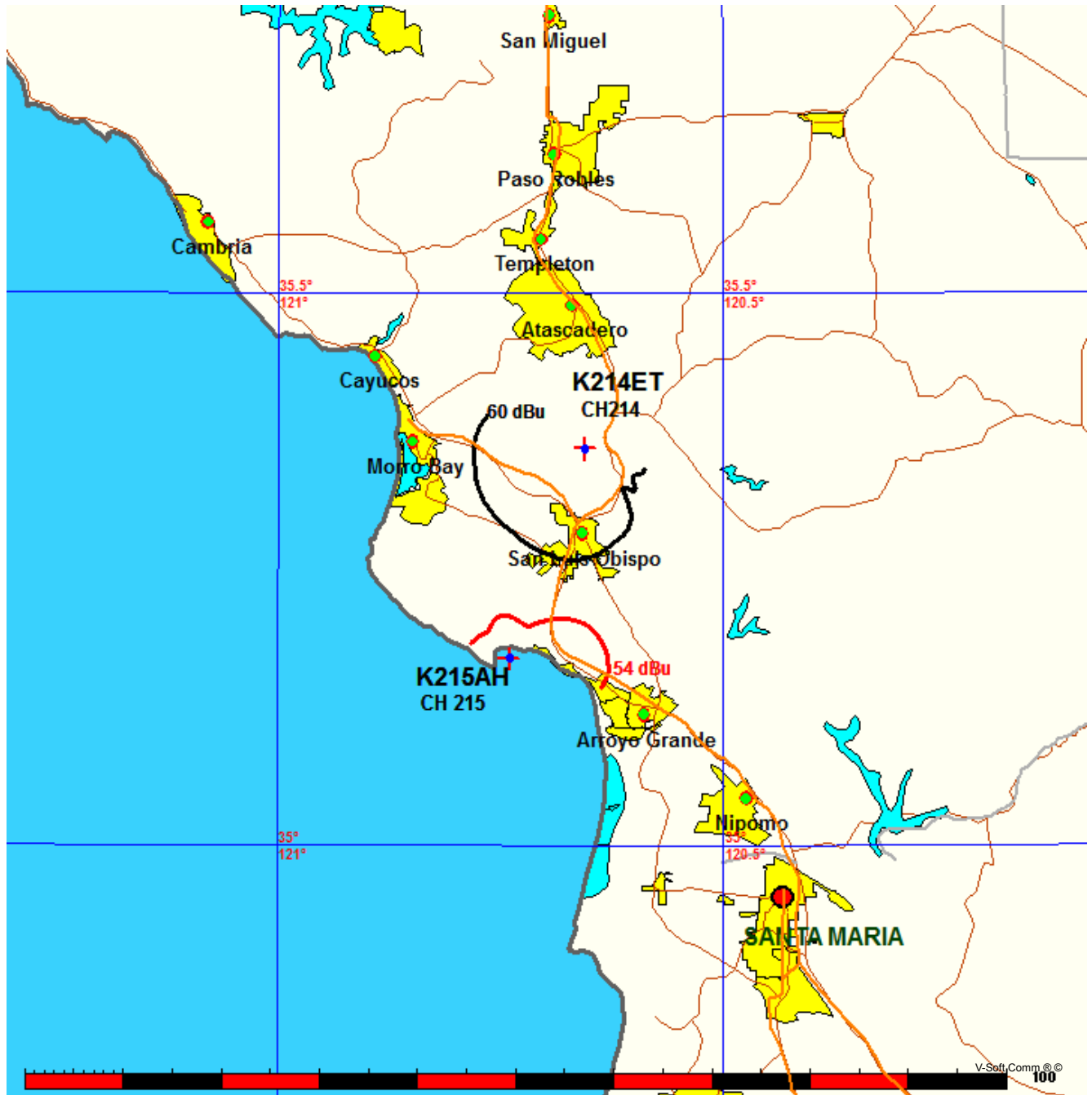
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
356.0	017.5000	0244.6	051.4		081.1	000.2006	-0082.2	023.4	39.30
357.0	017.5000	0249.1	051.7		080.5	000.1984	-0082.1	024.3	38.60
358.0	017.5000	0252.3	051.9		080.3	000.1972	-0082.0	025.2	37.95
359.0	017.5000	0252.3	051.9		080.5	000.1984	-0082.1	026.1	37.39
000.0	017.5000	0252.2	051.9		080.8	000.1996	-0082.2	027.0	36.87
001.0	017.4825	0252.2	051.9		081.2	000.2010	-0082.3	027.9	36.38
002.0	017.4650	0251.7	051.9		081.6	000.2028	-0082.3	028.8	35.92
003.0	017.4475	0250.0	051.7		082.1	000.2054	-0082.3	029.7	35.53
004.0	017.4301	0248.0	051.6		082.8	000.2082	-0082.4	030.5	35.18
005.0	017.4126	0246.3	051.4		083.3	000.2103	-0082.4	031.4	34.84
006.0	017.3952	0244.8	051.3		083.9	000.2121	-0082.7	032.2	34.53
007.0	017.3777	0243.0	051.2		084.4	000.2141	-0083.9	033.1	34.25
008.0	017.3603	0241.5	051.1		085.0	000.2160	-0085.3	033.9	33.97
009.0	017.3429	0240.1	051.0		085.5	000.2177	-0086.5	034.8	33.69
010.0	017.3254	0239.2	050.9		085.9	000.2192	-0087.3	035.6	33.42
011.0	017.3080	0238.4	050.8		086.4	000.2209	-0088.0	036.5	33.15
012.0	017.2906	0237.4	050.7		086.9	000.2227	-0089.1	037.3	32.90
013.0	017.2732	0236.1	050.6		087.4	000.2244	-0090.5	038.1	32.65
014.0	017.2559	0234.2	050.5		087.9	000.2264	-0092.0	038.9	32.42
015.0	017.2385	0231.2	050.2		088.6	000.2283	-0094.2	039.7	32.21
016.0	017.2211	0227.7	050.0		089.3	000.2304	-0096.7	040.5	32.01
017.0	017.2038	0223.8	049.6		090.1	000.2327	-0099.2	041.2	31.82
018.0	017.1864	0219.1	049.3		091.0	000.2351	-0102.0	041.9	31.65
019.0	017.1691	0213.9	048.8		091.8	000.2377	-0102.7	042.6	31.50
020.0	017.1518	0208.6	048.4		092.7	000.2403	-0098.7	043.3	31.35
021.0	016.9789	0204.0	048.0		093.6	000.2423	-0095.2	044.0	31.20
022.0	016.8070	0200.1	047.5		094.4	000.2437	-0091.1	044.7	31.05
023.0	016.6359	0196.5	047.2		095.2	000.2450	-0087.2	045.3	30.90
024.0	016.4658	0192.9	046.8		096.0	000.2465	-0084.3	046.0	30.76
025.0	016.2964	0189.4	046.4		096.7	000.2480	-0082.1	046.7	30.62
026.0	016.1280	0185.8	046.0		097.5	000.2492	-0080.1	047.3	30.50
027.0	015.9604	0182.4	045.7		098.2	000.2497	-0078.0	047.9	30.36
028.0	015.7937	0180.1	045.4		098.8	000.2487	-0074.9	048.6	30.20
029.0	015.6279	0179.2	045.2		099.3	000.2478	-0072.0	049.3	30.03
030.0	015.4630	0179.0	045.1		099.8	000.2470	-0069.1	050.0	29.87

Contour-to-Contour Interference Map - K214ET
Kcbx, Inc

FMCommander Single Allocation Study - 02-12-2015 - FCC NGDC 30 Sec
K215AH's Overlaps (In= 1.12 km, Out= 7.42 km)

K215AH CH 215 D DA
Lat= 35 10 12.5, Lng= 120 44 22.9
0.25 kW -66.9 M HAAT, 17.4 M COR
Prot.= 60 dBu, Intef.= 54 dBu

K214ET CH 214 D DA BLFT20110517ADY
Lat= 35 21 37.0, Lng= 120 39 18.0
0.005 kW 501.8 M HAAT, 828 M COR
Prot.= 60 dBu, Intef.= 54 dBu



02-12-2015

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

K214ET BLFT20110517ADY

K215AH

Channel = 214D

Max ERP = 0.005 kW

RCAMSL = 828 M

N. Lat. 35 21 37.0

W. Lng. 120 39 18.0

Protected

60 dBu

Channel = 215D

Max ERP = 0.25 kW

RCAMSL = 17.4 M

N. Lat. 35 10 12.5

W. Lng. 120 44 22.9

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
140.0	000.0027	0249.6	006.4	036.0	000.0073	-0087.6	020.1	27.44	
141.0	000.0028	0278.2	006.8	037.0	000.0081	-0090.8	019.9	28.03	
142.0	000.0028	0308.4	007.1	037.9	000.0089	-0091.9	019.7	28.60	
143.0	000.0029	0341.4	007.5	038.7	000.0098	-0091.0	019.5	29.18	
144.0	000.0029	0377.6	007.8	039.6	000.0108	-0090.1	019.3	29.80	
145.0	000.0030	0414.3	008.1	040.4	000.0119	-0091.1	019.0	30.37	
146.0	000.0030	0447.4	008.4	041.2	000.0127	-0092.8	018.8	30.85	
147.0	000.0031	0473.9	008.6	041.6	000.0133	-0093.8	018.6	31.20	
148.0	000.0031	0494.8	008.7	041.9	000.0137	-0094.3	018.4	31.47	
149.0	000.0032	0513.3	008.9	042.2	000.0140	-0094.4	018.3	31.73	
150.0	000.0032	0532.3	009.0	042.4	000.0144	-0094.4	018.1	32.00	
151.0	000.0033	0549.7	009.1	042.7	000.0148	-0094.4	017.9	32.27	
152.0	000.0033	0562.3	009.3	042.9	000.0151	-0094.2	017.7	32.51	
153.0	000.0034	0570.1	009.4	043.0	000.0152	-0094.1	017.5	32.71	
154.0	000.0034	0576.8	009.4	043.1	000.0154	-0093.9	017.3	32.91	
155.0	000.0035	0584.5	009.5	043.2	000.0156	-0093.8	017.1	33.12	
156.0	000.0035	0592.2	009.6	043.2	000.0157	-0093.6	016.9	33.31	
157.0	000.0036	0597.8	009.7	043.2	000.0157	-0093.6	016.8	33.48	
158.0	000.0036	0601.2	009.8	043.2	000.0156	-0093.7	016.6	33.61	
159.0	000.0037	0604.1	009.8	043.1	000.0155	-0093.8	016.4	33.73	
160.0	000.0037	0606.7	009.9	043.0	000.0154	-0093.9	016.2	33.83	
161.0	000.0037	0609.8	010.0	043.0	000.0152	-0094.1	016.0	33.94	
162.0	000.0038	0613.4	010.0	042.9	000.0150	-0094.2	015.9	34.06	
163.0	000.0038	0617.1	010.1	042.7	000.0149	-0094.3	015.7	34.17	
164.0	000.0039	0622.1	010.2	042.6	000.0147	-0094.4	015.5	34.28	
165.0	000.0039	0628.7	010.2	042.5	000.0146	-0094.4	015.3	34.41	
166.0	000.0040	0634.0	010.3	042.4	000.0144	-0094.4	015.1	34.50	
167.0	000.0040	0638.1	010.4	042.2	000.0141	-0094.4	014.9	34.59	
168.0	000.0041	0644.1	010.4	042.0	000.0138	-0094.3	014.7	34.72	
169.0	000.0041	0651.0	010.5	041.8	000.0136	-0094.1	014.5	34.86	
170.0	000.0041	0656.8	010.6	041.6	000.0133	-0093.7	014.4	34.99	
171.0	000.0042	0662.4	010.6	041.3	000.0129	-0093.1	014.2	35.11	
172.0	000.0042	0669.1	010.7	041.1	000.0126	-0092.5	014.0	35.24	
173.0	000.0043	0675.6	010.8	040.8	000.0123	-0091.8	013.8	35.35	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
174.0	000.0043	0681.4	010.8	040.4	000.0119	-0091.1	013.6	35.45
175.0	000.0044	0685.7	010.9	040.1	000.0114	-0090.4	013.4	35.52
176.0	000.0044	0689.9	011.0	039.6	000.0109	-0090.1	013.3	35.54
177.0	000.0044	0695.7	011.0	039.2	000.0103	-0090.4	013.1	35.55
178.0	000.0044	0699.3	011.1	038.7	000.0098	-0091.0	012.9	35.54
179.0	000.0045	0702.9	011.1	038.2	000.0092	-0091.6	012.8	35.51
180.0	000.0045	0706.3	011.2	037.6	000.0087	-0092.0	012.6	35.47
181.0	000.0045	0709.8	011.2	037.0	000.0081	-0090.9	012.4	35.42
182.0	000.0046	0714.6	011.3	036.4	000.0076	-0089.1	012.3	35.38
183.0	000.0046	0719.3	011.3	035.8	000.0071	-0086.7	012.1	35.31
184.0	000.0046	0721.7	011.4	035.1	000.0066	-0084.0	012.0	35.16
185.0	000.0047	0721.7	011.4	034.3	000.0060	-0080.6	011.9	34.94
186.0	000.0047	0721.3	011.4	033.5	000.0054	-0076.9	011.8	34.67
187.0	000.0047	0720.7	011.4	032.7	000.0050	-0073.4	011.7	34.51
188.0	000.0047	0720.3	011.4	031.8	000.0049	-0071.5	011.6	34.57
189.0	000.0048	0719.7	011.4	031.0	000.0048	-0072.0	011.5	34.66
190.0	000.0048	0720.2	011.5	030.1	000.0047	-0074.4	011.4	34.69
191.0	000.0048	0720.8	011.5	029.1	000.0046	-0077.8	011.3	34.71
192.0	000.0048	0719.4	011.5	028.2	000.0045	-0082.4	011.2	34.76
193.0	000.0048	0714.1	011.5	027.2	000.0045	-0089.2	011.2	34.82
194.0	000.0049	0706.0	011.5	026.1	000.0045	-0098.0	011.2	34.85
195.0	000.0049	0695.3	011.4	025.1	000.0045	-0108.5	011.1	34.91
196.0	000.0049	0682.5	011.4	024.0	000.0046	-0120.3	011.2	34.87
197.0	000.0049	0674.0	011.3	023.0	000.0046	-0130.3	011.2	34.85
198.0	000.0049	0672.0	011.3	022.0	000.0046	-0135.3	011.2	34.94
199.0	000.0049	0674.6	011.4	021.0	000.0048	-0134.4	011.1	35.12
200.0	000.0049	0675.0	011.4	020.0	000.0048	-0132.4	011.1	35.21
201.0	000.0049	0673.8	011.4	019.0	000.0049	-0132.5	011.1	35.27
202.0	000.0050	0672.2	011.4	017.9	000.0050	-0134.6	011.1	35.38
203.0	000.0050	0670.3	011.4	016.9	000.0051	-0137.2	011.2	35.41
204.0	000.0050	0667.4	011.4	015.9	000.0053	-0141.8	011.2	35.48
205.0	000.0050	0664.6	011.3	014.9	000.0054	-0149.6	011.2	35.53
206.0	000.0050	0662.3	011.3	013.9	000.0055	-0156.9	011.3	35.51
207.0	000.0050	0660.5	011.3	013.0	000.0056	-0159.4	011.3	35.53
208.0	000.0050	0658.8	011.3	012.0	000.0058	-0160.3	011.4	35.55
209.0	000.0050	0656.8	011.3	011.1	000.0058	-0161.2	011.5	35.49
210.0	000.0050	0655.3	011.3	010.2	000.0059	-0161.3	011.5	35.43
211.0	000.0050	0656.4	011.3	009.3	000.0060	-0158.0	011.6	35.43
212.0	000.0050	0659.8	011.3	008.3	000.0061	-0154.1	011.7	35.40
213.0	000.0050	0661.6	011.3	007.4	000.0063	-0151.2	011.7	35.41
214.0	000.0050	0660.6	011.3	006.6	000.0065	-0150.0	011.8	35.38
215.0	000.0050	0657.3	011.3	005.8	000.0066	-0149.9	011.9	35.30
216.0	000.0050	0650.9	011.3	005.1	000.0068	-0151.8	012.1	35.22
217.0	000.0050	0643.6	011.2	004.4	000.0070	-0154.9	012.2	35.11
218.0	000.0050	0639.6	011.2	003.7	000.0071	-0157.7	012.3	35.01
219.0	000.0050	0639.4	011.2	002.9	000.0072	-0159.5	012.5	34.91
220.0	000.0050	0640.5	011.2	002.2	000.0074	-0161.5	012.6	34.83
221.0	000.0050	0641.8	011.2	001.5	000.0075	-0162.8	012.7	34.73
222.0	000.0050	0643.9	011.2	000.8	000.0076	-0164.1	012.8	34.65
223.0	000.0050	0646.7	011.2	000.1	000.0078	-0165.4	012.9	34.58
224.0	000.0050	0650.9	011.3	359.4	000.0079	-0166.7	013.0	34.49

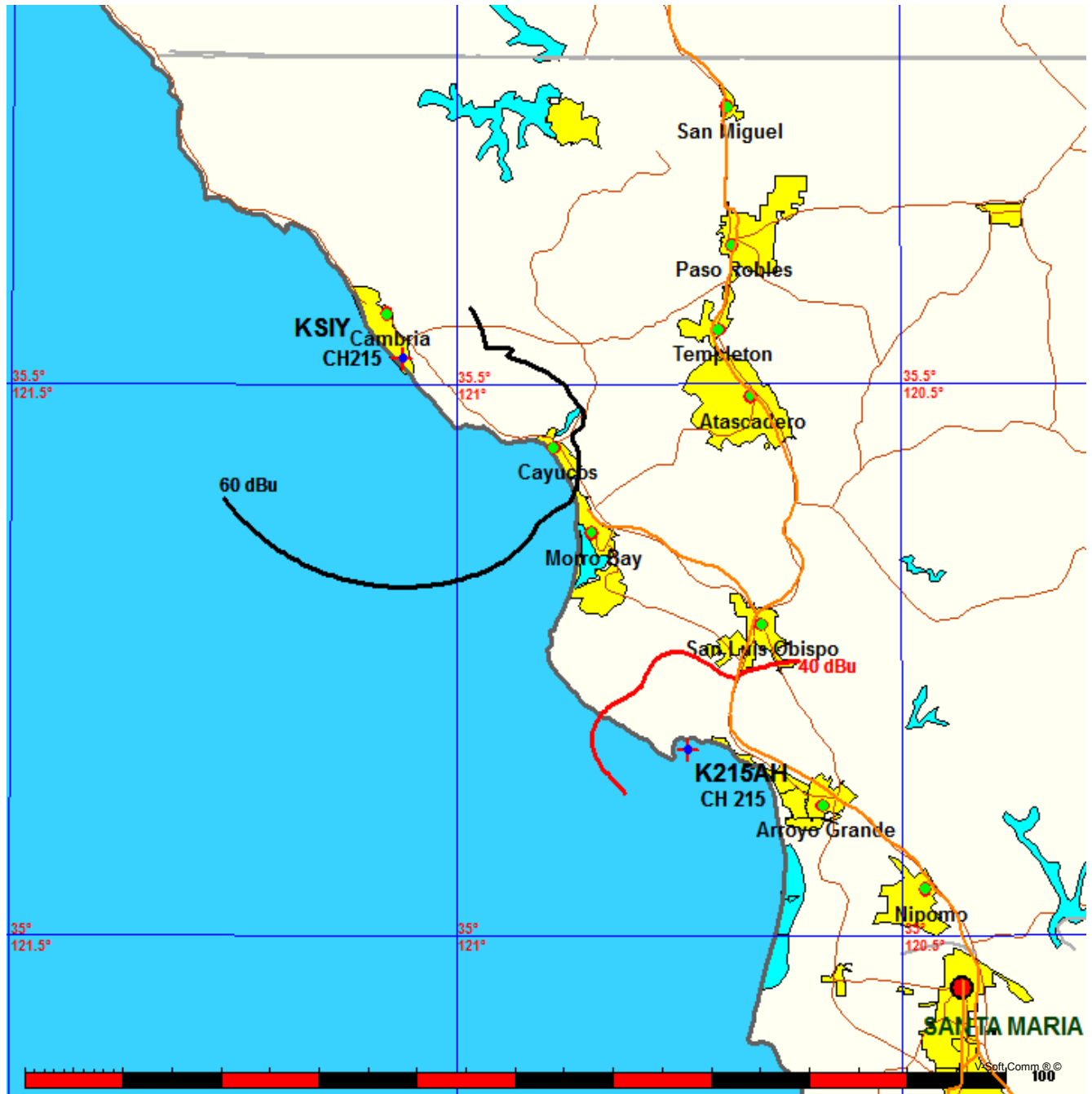
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
225.0	000.0050	0655.3	011.3	358.7	000.0081	-0166.6	013.2	34.39
226.0	000.0050	0659.4	011.3	358.0	000.0082	-0167.3	013.3	34.28
227.0	000.0050	0662.0	011.3	357.4	000.0083	-0167.5	013.4	34.15
228.0	000.0050	0663.0	011.3	356.8	000.0084	-0168.0	013.6	34.00
229.0	000.0050	0663.4	011.3	356.3	000.0084	-0168.7	013.7	33.82
230.0	000.0050	0665.7	011.4	355.8	000.0085	-0170.1	013.9	33.66
231.0	000.0050	0671.3	011.4	355.2	000.0086	-0171.9	014.0	33.53
232.0	000.0050	0678.5	011.4	354.6	000.0087	-0173.4	014.2	33.39
233.0	000.0050	0685.0	011.5	354.1	000.0087	-0175.0	014.3	33.23
234.0	000.0050	0689.7	011.5	353.6	000.0088	-0176.3	014.5	33.09
235.0	000.0050	0693.7	011.5	353.1	000.0089	-0177.6	014.6	32.93
236.0	000.0050	0697.3	011.5	352.7	000.0089	-0179.0	014.8	32.73
237.0	000.0050	0700.3	011.6	352.3	000.0089	-0180.6	015.0	32.52
238.0	000.0050	0701.4	011.6	351.9	000.0088	-0182.1	015.2	32.35
239.0	000.0050	0701.8	011.6	351.6	000.0088	-0183.5	015.3	32.19
240.0	000.0050	0702.2	011.6	351.3	000.0088	-0184.7	015.5	32.03
241.0	000.0050	0703.7	011.6	351.0	000.0088	-0186.2	015.7	31.87
242.0	000.0050	0705.6	011.6	350.8	000.0088	-0187.7	015.9	31.71
243.0	000.0050	0707.9	011.6	350.5	000.0088	-0189.2	016.1	31.55
244.0	000.0050	0710.8	011.6	350.2	000.0088	-0190.6	016.3	31.38
245.0	000.0050	0713.0	011.6	350.0	000.0088	-0191.7	016.5	31.22
246.0	000.0050	0712.8	011.6	349.8	000.0088	-0192.6	016.7	31.05
247.0	000.0050	0711.3	011.6	349.7	000.0088	-0193.2	016.9	30.87
248.0	000.0050	0708.9	011.6	349.6	000.0088	-0193.7	017.1	30.70
249.0	000.0050	0706.8	011.6	349.5	000.0088	-0194.0	017.3	30.53
250.0	000.0050	0706.3	011.6	349.4	000.0088	-0194.5	017.5	30.35
251.0	000.0050	0706.4	011.6	349.3	000.0088	-0194.9	017.7	30.18
252.0	000.0050	0706.4	011.6	349.2	000.0088	-0195.2	017.9	30.01
253.0	000.0050	0705.8	011.6	349.1	000.0088	-0195.4	018.1	29.84
254.0	000.0050	0703.9	011.6	349.1	000.0088	-0195.5	018.3	29.67
255.0	000.0050	0701.5	011.6	349.1	000.0088	-0195.5	018.5	29.51
256.0	000.0050	0699.2	011.6	349.1	000.0088	-0195.5	018.7	29.34
257.0	000.0050	0695.6	011.5	349.1	000.0088	-0195.4	018.9	29.18
258.0	000.0050	0689.7	011.5	349.2	000.0088	-0195.1	019.1	29.02
259.0	000.0050	0682.1	011.5	349.3	000.0088	-0194.7	019.3	28.86

Contour-to-Contour Interference Map - KSIY (CP)
Kcbx, Inc

FMCommander Single Allocation Study - 02-12-2015 - FCC NGDC 30 Sec
K215AH's Overlaps (In= -20.4 km, Out= 18.85 km)

K215AH CH 215 D DA
Lat= 35 10 12.5, Lng= 120 44 22.9
0.25 kW -66.9 M HAAT, 17.4 M COR
Prot.= 60 dBu, Intef.= 40 dBu

KSIY-C CH 215 A DA BMPED20130222ADO
Lat= 35 31 28.0, Lng= 121 03 39.0
0.5 kW 150 M HAAT, 263 M COR
Prot.= 60 dBu, Intef.= 40 dBu



02-12-2015

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

KSIY BMPED20130222ADO

K215AH

Channel = 215A

Max ERP = 0.5 kW

RCAMSL = 263 M

N. Lat. 35 31 28.0

W. Lng. 121 03 39.0

Protected

60 dBu

Channel = 215D

Max ERP = 0.25 kW

RCAMSL = 17.4 M

N. Lat. 35 10 12.5

W. Lng. 120 44 22.9

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
083.0	000.5000	0028.2	008.5	333.0	000.0060	-0288.5	045.4	14.77	
084.0	000.5000	0039.3	009.7	334.4	000.0063	-0279.4	044.8	15.15	
085.0	000.5000	0048.2	010.8	335.6	000.0067	-0270.5	044.3	15.52	
086.0	000.5000	0051.6	011.2	336.0	000.0068	-0268.0	044.0	15.69	
087.0	000.5000	0050.1	011.0	335.7	000.0067	-0269.9	043.9	15.66	
088.0	000.5000	0048.4	010.8	335.4	000.0066	-0272.2	043.8	15.61	
089.0	000.5000	0046.7	010.6	335.0	000.0065	-0274.5	043.7	15.57	
090.0	000.5000	0048.5	010.8	335.2	000.0065	-0273.4	043.4	15.67	
091.0	000.5000	0056.6	011.7	336.1	000.0068	-0267.3	042.9	16.02	
092.0	000.5000	0064.8	012.4	336.9	000.0070	-0263.0	042.4	16.27	
093.0	000.5000	0073.0	013.1	337.5	000.0072	-0259.4	041.9	16.52	
094.0	000.5000	0080.1	013.7	338.1	000.0073	-0256.7	041.4	16.74	
095.0	000.5000	0085.9	014.1	338.6	000.0074	-0254.7	041.0	16.92	
096.0	000.5000	0093.7	014.8	339.2	000.0075	-0251.9	040.5	17.16	
097.0	000.5000	0100.8	015.4	339.9	000.0077	-0249.1	040.0	17.41	
098.0	000.5000	0106.5	015.9	340.3	000.0078	-0246.9	039.5	17.62	
099.0	000.5000	0112.3	016.4	340.8	000.0079	-0244.3	039.0	17.82	
100.0	000.5000	0118.5	016.9	341.2	000.0080	-0241.2	038.5	18.02	
101.0	000.5000	0121.5	017.1	341.3	000.0080	-0240.7	038.1	18.15	
102.0	000.5000	0124.8	017.4	341.4	000.0080	-0240.0	037.8	18.29	
103.0	000.5000	0130.0	017.8	341.6	000.0080	-0237.9	037.3	18.47	
104.0	000.5000	0136.0	018.2	341.9	000.0081	-0235.3	036.8	18.67	
105.0	000.5000	0143.0	018.7	342.3	000.0082	-0231.6	036.3	18.91	
106.0	000.5000	0148.4	019.0	342.5	000.0082	-0229.6	035.8	19.10	
107.0	000.5000	0152.1	019.3	342.5	000.0082	-0229.4	035.4	19.26	
108.0	000.5000	0154.2	019.4	342.4	000.0082	-0230.8	035.0	19.36	
109.0	000.5000	0155.5	019.5	342.1	000.0081	-0233.0	034.7	19.45	
110.0	000.5000	0156.5	019.6	341.9	000.0081	-0235.4	034.4	19.53	
111.0	000.5000	0155.8	019.5	341.5	000.0080	-0239.0	034.2	19.58	
112.0	000.5000	0152.9	019.3	340.9	000.0079	-0243.6	034.0	19.57	
113.0	000.5000	0149.1	019.1	340.2	000.0078	-0247.6	033.9	19.53	
114.0	000.5000	0147.4	019.0	339.6	000.0077	-0250.1	033.8	19.52	
115.0	000.5000	0150.0	019.2	339.5	000.0076	-0250.9	033.4	19.63	
116.0	000.5000	0155.0	019.5	339.4	000.0076	-0251.1	032.9	19.80	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
117.0	000.5000	0161.7	019.9	339.5	000.0076	-0250.8	032.4	20.02
118.0	000.5000	0167.3	020.2	339.4	000.0076	-0251.1	031.9	20.20
119.0	000.5000	0171.8	020.5	339.2	000.0075	-0251.9	031.5	20.35
120.0	000.5000	0176.1	020.7	339.0	000.0075	-0252.9	031.1	20.49
121.0	000.5000	0180.8	021.0	338.7	000.0074	-0254.0	030.7	20.65
122.0	000.5000	0185.2	021.2	338.4	000.0074	-0255.3	030.3	20.80
123.0	000.5000	0188.8	021.4	338.1	000.0073	-0257.0	029.9	20.94
124.0	000.5000	0192.3	021.5	337.7	000.0072	-0258.9	029.6	21.06
125.0	000.5000	0195.8	021.7	337.2	000.0071	-0261.0	029.2	21.17
126.0	000.5000	0199.4	021.9	336.8	000.0070	-0263.5	028.8	21.29
127.0	000.5000	0202.6	022.1	336.3	000.0069	-0266.5	028.5	21.38
128.0	000.5000	0205.6	022.2	335.7	000.0067	-0269.8	028.2	21.46
129.0	000.5000	0208.2	022.3	335.1	000.0065	-0273.9	027.9	21.50
130.0	000.5000	0210.2	022.4	334.5	000.0064	-0278.5	027.7	21.53
131.0	000.4851	0211.4	022.3	333.7	000.0062	-0284.3	027.6	21.43
132.0	000.4705	0212.0	022.2	332.8	000.0060	-0289.4	027.6	21.30
133.0	000.4560	0212.3	022.1	331.9	000.0058	-0293.6	027.6	21.15
134.0	000.4418	0213.1	021.9	331.1	000.0056	-0296.2	027.6	21.01
135.0	000.4278	0214.4	021.8	330.3	000.0054	-0297.7	027.6	20.87
136.0	000.4141	0216.2	021.8	329.5	000.0052	-0298.7	027.6	20.73
137.0	000.4005	0218.7	021.7	328.7	000.0050	-0298.3	027.5	20.61
138.0	000.3872	0221.6	021.7	327.9	000.0049	-0297.8	027.5	20.48
139.0	000.3741	0224.9	021.6	327.1	000.0047	-0296.7	027.5	20.35
140.0	000.3613	0228.3	021.6	326.3	000.0045	-0295.0	027.4	20.17
141.0	000.3613	0231.9	021.8	325.6	000.0043	-0292.3	027.2	20.12
142.0	000.3613	0235.5	021.9	324.8	000.0042	-0288.0	027.1	20.07
143.0	000.3613	0239.0	022.1	324.0	000.0040	-0283.2	026.9	20.01
144.0	000.3613	0242.2	022.2	323.1	000.0038	-0277.7	026.7	19.86
145.0	000.3613	0245.2	022.4	322.3	000.0038	-0274.4	026.6	19.89
146.0	000.3613	0247.8	022.5	321.4	000.0038	-0271.1	026.5	19.95
147.0	000.3613	0250.1	022.6	320.6	000.0038	-0269.3	026.5	19.98
148.0	000.3613	0252.1	022.7	319.7	000.0038	-0267.5	026.5	20.00
149.0	000.3613	0253.8	022.7	318.8	000.0038	-0265.0	026.4	20.01
150.0	000.3613	0255.2	022.8	318.0	000.0038	-0262.1	026.5	20.00
151.0	000.3613	0256.5	022.9	317.1	000.0038	-0259.9	026.5	20.03
152.0	000.3613	0257.6	022.9	316.2	000.0039	-0260.0	026.6	20.06
153.0	000.3613	0258.6	022.9	315.4	000.0039	-0261.9	026.6	20.03
154.0	000.3613	0259.6	023.0	314.5	000.0039	-0262.7	026.7	20.00
155.0	000.3613	0260.4	023.0	313.7	000.0040	-0260.7	026.8	19.99
156.0	000.3613	0261.0	023.0	312.9	000.0040	-0255.8	027.0	19.97
157.0	000.3613	0261.4	023.1	312.1	000.0041	-0249.0	027.1	19.93
158.0	000.3613	0261.8	023.1	311.3	000.0042	-0240.8	027.3	19.93
159.0	000.3613	0262.1	023.1	310.6	000.0043	-0232.1	027.5	19.93
160.0	000.3613	0262.4	023.1	309.8	000.0044	-0223.6	027.6	19.91
161.0	000.3613	0262.6	023.1	309.1	000.0044	-0215.1	027.8	19.84
162.0	000.3613	0262.8	023.1	308.4	000.0045	-0208.2	028.1	19.80
163.0	000.3613	0262.9	023.1	307.7	000.0046	-0202.9	028.3	19.76
164.0	000.3613	0263.0	023.1	307.1	000.0047	-0200.3	028.5	19.72
165.0	000.3613	0263.0	023.1	306.4	000.0048	-0200.5	028.8	19.66
166.0	000.3613	0263.0	023.1	305.8	000.0049	-0202.4	029.0	19.60
167.0	000.3613	0263.0	023.1	305.2	000.0049	-0205.4	029.3	19.54

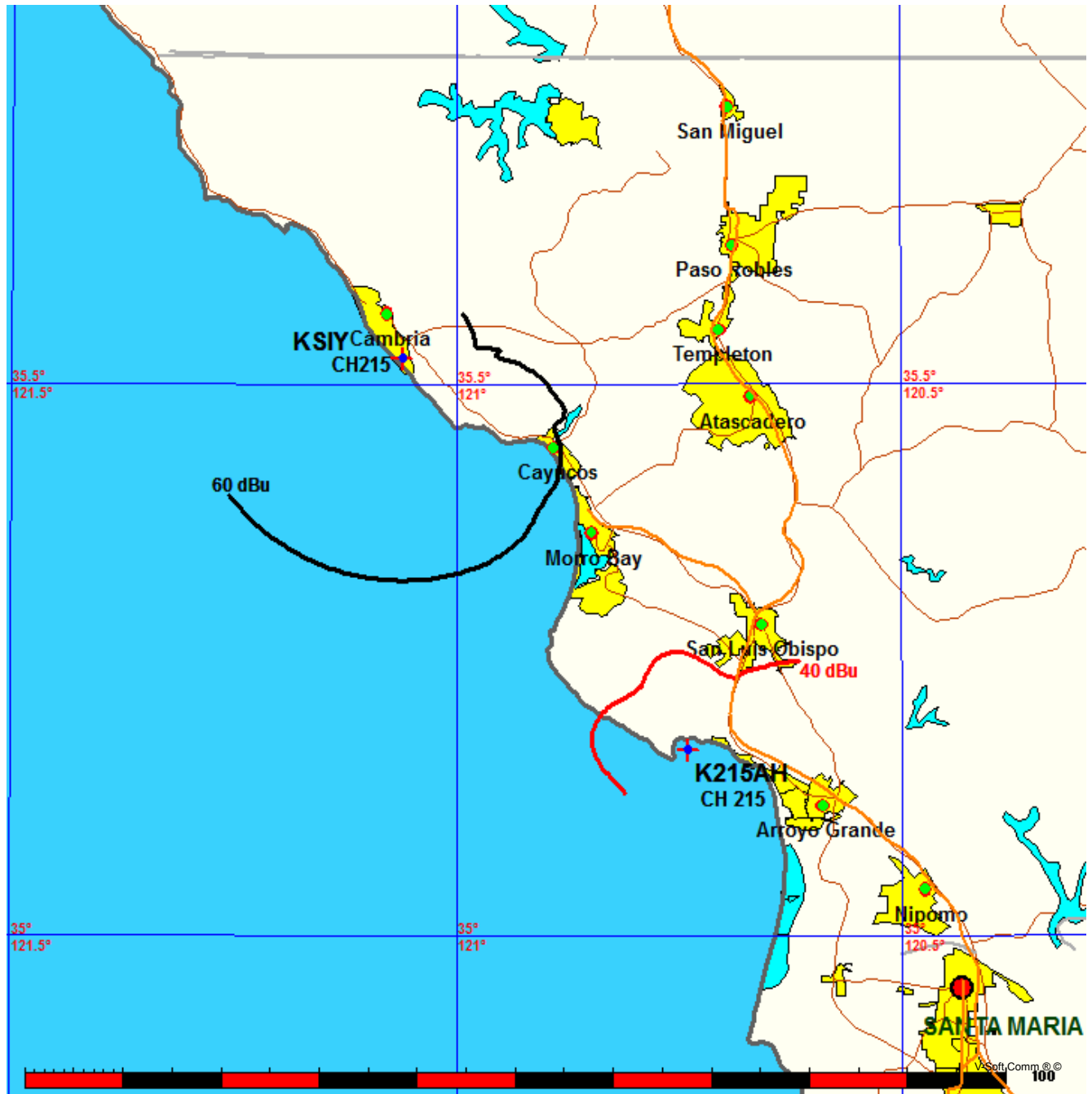
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
168.0	000.3613	0263.0	023.1		304.6	000.0050	-0208.7	029.6	19.47
169.0	000.3613	0263.0	023.1		304.1	000.0051	-0210.6	029.8	19.40
170.0	000.3613	0263.0	023.1		303.5	000.0052	-0210.4	030.1	19.32
171.0	000.3613	0263.0	023.1		303.0	000.0053	-0208.6	030.4	19.24
172.0	000.3613	0263.0	023.1		302.5	000.0054	-0204.5	030.7	19.19
173.0	000.3613	0263.0	023.1		302.1	000.0055	-0199.1	031.1	19.14
174.0	000.3613	0263.0	023.1		301.6	000.0056	-0192.6	031.4	19.08
175.0	000.3613	0263.0	023.1		301.2	000.0057	-0185.7	031.7	19.02
176.0	000.3613	0263.0	023.1		300.7	000.0058	-0178.3	032.0	18.96
177.0	000.3613	0263.0	023.1		300.3	000.0059	-0171.2	032.4	18.90
178.0	000.3613	0263.0	023.1		300.0	000.0059	-0164.3	032.7	18.83
179.0	000.3613	0263.0	023.1		299.6	000.0060	-0157.9	033.0	18.76
180.0	000.3613	0263.0	023.1		299.3	000.0061	-0152.1	033.4	18.69
181.0	000.3613	0263.0	023.1		298.9	000.0062	-0146.5	033.7	18.61
182.0	000.3613	0263.0	023.1		298.6	000.0063	-0141.6	034.1	18.52
183.0	000.3613	0263.0	023.1		298.3	000.0063	-0136.9	034.5	18.44
184.0	000.3613	0263.0	023.1		298.0	000.0064	-0132.7	034.8	18.35
185.0	000.3613	0263.0	023.1		297.8	000.0064	-0128.8	035.2	18.24
186.0	000.3613	0263.0	023.1		297.5	000.0065	-0125.3	035.6	18.13
187.0	000.3613	0263.0	023.1		297.3	000.0065	-0121.9	036.0	18.02
188.0	000.3613	0263.0	023.1		297.1	000.0065	-0119.0	036.3	17.91
189.0	000.3613	0263.0	023.1		296.9	000.0066	-0116.3	036.7	17.80
190.0	000.3613	0263.0	023.1		296.7	000.0066	-0113.8	037.1	17.69
191.0	000.3613	0263.0	023.1		296.5	000.0066	-0111.4	037.5	17.57
192.0	000.3613	0263.0	023.1		296.4	000.0067	-0109.2	037.9	17.46
193.0	000.3613	0263.0	023.1		296.2	000.0067	-0107.3	038.3	17.34
194.0	000.3613	0263.0	023.1		296.1	000.0067	-0105.6	038.7	17.22
195.0	000.3613	0263.0	023.1		296.0	000.0067	-0104.1	039.1	17.11
196.0	000.3613	0263.0	023.1		295.9	000.0067	-0102.6	039.5	16.99
197.0	000.3613	0263.0	023.1		295.8	000.0068	-0101.3	039.9	16.87
198.0	000.3613	0263.0	023.1		295.7	000.0068	-0100.2	040.3	16.75
199.0	000.3613	0263.0	023.1		295.6	000.0068	-0099.3	040.7	16.64
200.0	000.3613	0263.0	023.1		295.6	000.0068	-0098.5	041.1	16.52
201.0	000.3613	0263.0	023.1		295.5	000.0068	-0097.8	041.5	16.40
202.0	000.3613	0263.0	023.1		295.5	000.0068	-0097.3	041.9	16.29

Contour-to-Contour Interference Map - KSIY (LIX)
Kcbx, Inc

FMCommander Single Allocation Study - 02-12-2015 - FCC NGDC 30 Sec
K215AH's Overlaps (In= -18.87 km, Out= 19.49 km)

K215AH CH 215 D DA
Lat= 35 10 12.5, Lng= 120 44 22.9
0.25 kW -66.9 M HAAT, 17.4 M COR
Prot.= 60 dBu, Intef.= 40 dBu

KSIY CH 215 A BLED20130326BDK
Lat= 35 31 28.0, Lng= 121 03 39.0
0.32 kW 150 M HAAT, 263 M COR
Prot.= 60 dBu, Intef.= 40 dBu



02-12-2015

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

KSIYÁÇQØVD BLED20130326BDK

K215AH

Channel = 215A

Max ERP = 0.32 kW

RCAMSL = 263 M

N. Lat. 35 31 28.0

W. Lng. 121 03 39.0

Protected

60 dBu

Channel = 215D

Max ERP = 0.25 kW

RCAMSL = 17.4 M

N. Lat. 35 10 12.5

W. Lng. 120 44 22.9

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
083.0	000.3200	0028.2	007.5	331.9	000.0057	-0293.9	045.7	14.50	
084.0	000.3200	0039.3	008.6	333.1	000.0060	-0287.8	045.2	14.84	
085.0	000.3200	0048.2	009.7	334.2	000.0063	-0280.2	044.7	15.17	
086.0	000.3200	0051.6	010.0	334.6	000.0064	-0277.6	044.4	15.30	
087.0	000.3200	0050.1	009.9	334.3	000.0063	-0279.6	044.3	15.28	
088.0	000.3200	0048.4	009.7	334.0	000.0062	-0281.8	044.2	15.25	
089.0	000.3200	0046.7	009.5	333.7	000.0062	-0283.9	044.1	15.22	
090.0	000.3200	0048.5	009.7	333.9	000.0062	-0282.9	043.9	15.31	
091.0	000.3200	0056.6	010.5	334.7	000.0064	-0276.9	043.4	15.59	
092.0	000.3200	0064.8	011.2	335.4	000.0066	-0272.2	042.9	15.85	
093.0	000.3200	0073.0	011.8	336.0	000.0068	-0268.3	042.5	16.10	
094.0	000.3200	0080.1	012.3	336.4	000.0069	-0265.4	042.0	16.30	
095.0	000.3200	0085.9	012.7	336.8	000.0070	-0263.4	041.7	16.47	
096.0	000.3200	0093.7	013.2	337.3	000.0071	-0260.7	041.2	16.69	
097.0	000.3200	0100.8	013.7	337.7	000.0072	-0258.4	040.8	16.89	
098.0	000.3200	0106.5	014.1	338.0	000.0073	-0257.1	040.4	17.06	
099.0	000.3200	0112.3	014.5	338.3	000.0074	-0255.7	039.9	17.22	
100.0	000.3200	0118.5	014.9	338.7	000.0074	-0254.3	039.5	17.39	
101.0	000.3200	0121.5	015.1	338.7	000.0074	-0254.2	039.2	17.50	
102.0	000.3200	0124.8	015.3	338.7	000.0074	-0254.0	038.8	17.61	
103.0	000.3200	0130.0	015.7	338.9	000.0075	-0253.2	038.4	17.77	
104.0	000.3200	0136.0	016.1	339.2	000.0075	-0252.0	038.0	17.96	
105.0	000.3200	0143.0	016.6	339.6	000.0076	-0250.4	037.5	18.19	
106.0	000.3200	0148.4	016.9	339.8	000.0077	-0249.6	037.0	18.38	
107.0	000.3200	0152.1	017.2	339.8	000.0077	-0249.5	036.6	18.51	
108.0	000.3200	0154.2	017.3	339.7	000.0077	-0250.0	036.3	18.61	
109.0	000.3200	0155.5	017.4	339.5	000.0076	-0250.9	036.0	18.68	
110.0	000.3200	0156.5	017.5	339.2	000.0075	-0251.9	035.7	18.74	
111.0	000.3200	0155.8	017.4	338.9	000.0075	-0253.6	035.5	18.76	
112.0	000.3200	0152.9	017.2	338.3	000.0074	-0255.9	035.4	18.74	
113.0	000.3200	0149.1	017.0	337.7	000.0072	-0258.8	035.4	18.68	
114.0	000.3200	0147.4	016.9	337.2	000.0071	-0261.1	035.3	18.65	
115.0	000.3200	0150.0	017.0	337.0	000.0071	-0262.0	035.0	18.74	
116.0	000.3200	0155.0	017.4	337.0	000.0071	-0262.1	034.5	18.90	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
117.0	000.3200	0161.7	017.8	337.1	000.0071	-0261.8	034.0	19.10
118.0	000.3200	0167.3	018.1	337.0	000.0071	-0262.1	033.5	19.26
119.0	000.3200	0171.8	018.4	336.9	000.0070	-0263.0	033.2	19.38
120.0	000.3200	0176.1	018.6	336.6	000.0070	-0264.1	032.8	19.49
121.0	000.3200	0180.8	018.8	336.4	000.0069	-0265.5	032.4	19.60
122.0	000.3200	0185.2	019.0	336.1	000.0068	-0267.1	032.0	19.70
123.0	000.3200	0188.8	019.2	335.8	000.0067	-0269.2	031.7	19.77
124.0	000.3200	0192.3	019.4	335.4	000.0066	-0271.6	031.4	19.82
125.0	000.3200	0195.8	019.5	335.1	000.0065	-0274.3	031.1	19.87
126.0	000.3200	0199.4	019.7	334.7	000.0064	-0277.2	030.8	19.95
127.0	000.3200	0202.6	019.8	334.2	000.0063	-0280.4	030.5	20.01
128.0	000.3200	0205.6	020.0	333.7	000.0062	-0283.7	030.2	20.06
129.0	000.3200	0208.2	020.1	333.2	000.0061	-0286.9	030.0	20.10
130.0	000.3200	0210.2	020.2	332.7	000.0059	-0290.1	029.7	20.11
131.0	000.3200	0211.4	020.2	332.1	000.0058	-0292.9	029.5	20.10
132.0	000.3200	0212.0	020.3	331.5	000.0057	-0295.2	029.4	20.07
133.0	000.3200	0212.3	020.3	330.8	000.0055	-0296.8	029.3	20.02
134.0	000.3200	0213.1	020.3	330.2	000.0054	-0297.9	029.1	19.98
135.0	000.3200	0214.4	020.4	329.5	000.0052	-0298.6	029.0	19.94
136.0	000.3200	0216.2	020.5	328.9	000.0051	-0298.5	028.8	19.91
137.0	000.3200	0218.7	020.6	328.2	000.0049	-0298.1	028.6	19.89
138.0	000.3200	0221.6	020.7	327.6	000.0048	-0297.3	028.4	19.88
139.0	000.3200	0224.9	020.9	326.9	000.0047	-0296.3	028.2	19.85
140.0	000.3200	0228.3	021.0	326.2	000.0045	-0294.6	028.1	19.78
141.0	000.3200	0231.9	021.2	325.5	000.0043	-0291.9	027.9	19.74
142.0	000.3200	0235.5	021.3	324.7	000.0042	-0287.7	027.7	19.69
143.0	000.3200	0239.0	021.5	324.0	000.0040	-0283.1	027.5	19.63
144.0	000.3200	0242.2	021.6	323.2	000.0038	-0277.9	027.4	19.49
145.0	000.3200	0245.2	021.7	322.4	000.0038	-0274.7	027.3	19.51
146.0	000.3200	0247.8	021.9	321.6	000.0038	-0271.3	027.2	19.56
147.0	000.3200	0250.1	021.9	320.7	000.0038	-0269.7	027.1	19.59
148.0	000.3200	0252.1	022.0	319.9	000.0038	-0267.9	027.1	19.61
149.0	000.3200	0253.8	022.1	319.1	000.0038	-0265.9	027.1	19.62
150.0	000.3200	0255.2	022.2	318.2	000.0038	-0263.0	027.1	19.61
151.0	000.3200	0256.5	022.2	317.4	000.0038	-0260.5	027.1	19.63
152.0	000.3200	0257.6	022.3	316.6	000.0039	-0259.6	027.2	19.65
153.0	000.3200	0258.6	022.3	315.8	000.0039	-0261.0	027.3	19.65
154.0	000.3200	0259.6	022.3	315.0	000.0039	-0262.7	027.3	19.60
155.0	000.3200	0260.4	022.4	314.2	000.0040	-0262.4	027.4	19.59
156.0	000.3200	0261.0	022.4	313.4	000.0040	-0259.4	027.6	19.58
157.0	000.3200	0261.4	022.4	312.7	000.0041	-0254.0	027.7	19.55
158.0	000.3200	0261.8	022.4	311.9	000.0041	-0247.2	027.9	19.51
159.0	000.3200	0262.1	022.4	311.2	000.0042	-0239.4	028.0	19.51
160.0	000.3200	0262.4	022.4	310.5	000.0043	-0231.3	028.2	19.51
161.0	000.3200	0262.6	022.5	309.8	000.0044	-0223.3	028.4	19.48
162.0	000.3200	0262.8	022.5	309.1	000.0044	-0215.4	028.6	19.42
163.0	000.3200	0262.9	022.5	308.5	000.0045	-0208.8	028.8	19.38
164.0	000.3200	0263.0	022.5	307.8	000.0046	-0203.8	029.0	19.34
165.0	000.3200	0263.0	022.5	307.2	000.0047	-0200.7	029.3	19.29
166.0	000.3200	0263.0	022.5	306.6	000.0047	-0200.1	029.5	19.24
167.0	000.3200	0263.0	022.5	306.1	000.0048	-0201.3	029.8	19.19

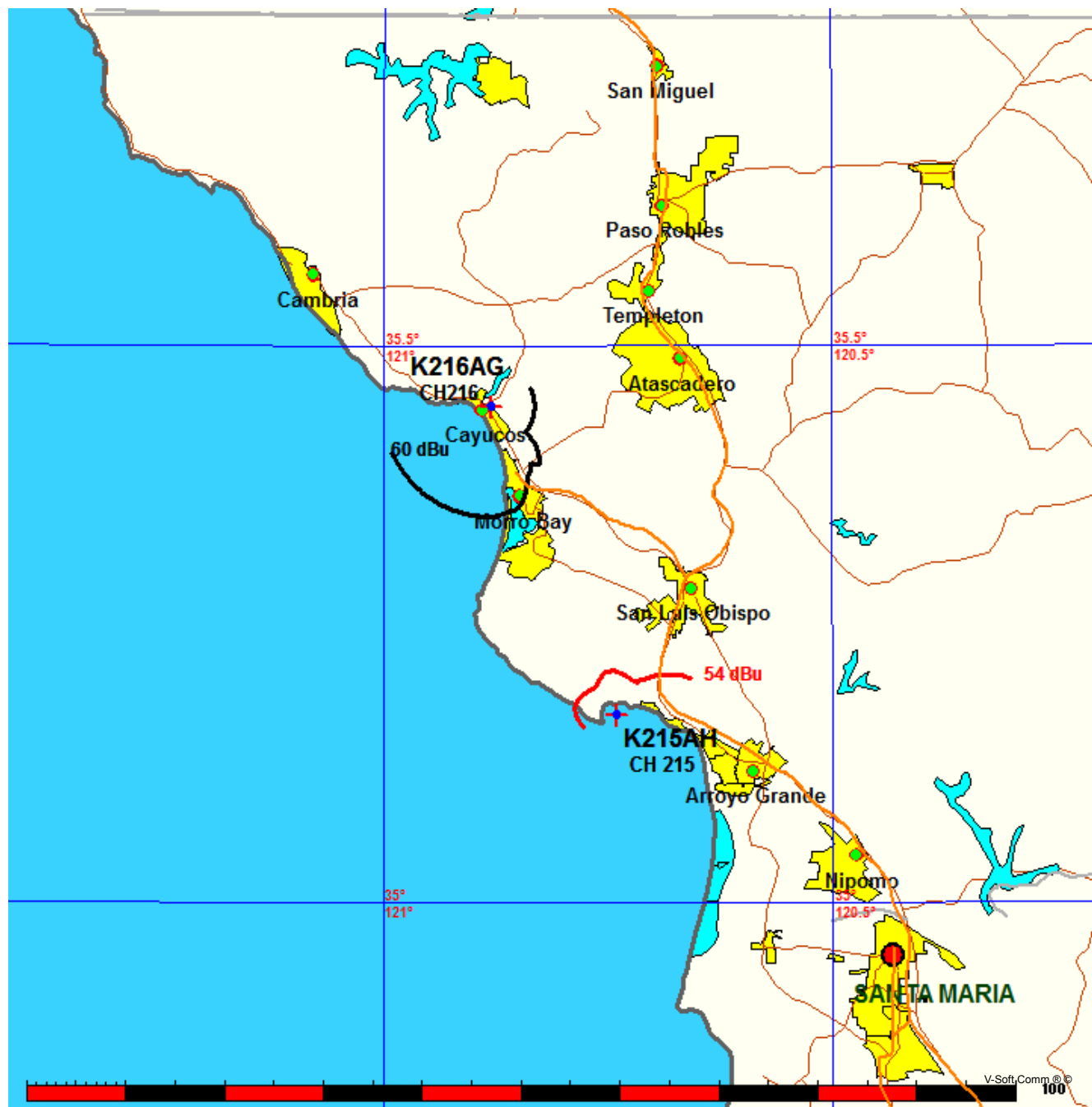
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
168.0	000.3200	0263.0	022.5	305.5	000.0049	-0203.8	030.0	19.13
169.0	000.3200	0263.0	022.5	305.0	000.0050	-0207.0	030.3	19.07
170.0	000.3200	0263.0	022.5	304.4	000.0050	-0209.7	030.6	19.00
171.0	000.3200	0263.0	022.5	303.9	000.0051	-0210.8	030.9	18.93
172.0	000.3200	0263.0	022.5	303.4	000.0052	-0210.2	031.2	18.86
173.0	000.3200	0263.0	022.5	303.0	000.0053	-0208.3	031.5	18.79
174.0	000.3200	0263.0	022.5	302.5	000.0054	-0204.5	031.8	18.75
175.0	000.3200	0263.0	022.5	302.1	000.0055	-0199.7	032.1	18.70
176.0	000.3200	0263.0	022.5	301.7	000.0055	-0194.1	032.4	18.65
177.0	000.3200	0263.0	022.5	301.3	000.0056	-0188.0	032.7	18.59
178.0	000.3200	0263.0	022.5	300.9	000.0057	-0181.5	033.0	18.53
179.0	000.3200	0263.0	022.5	300.6	000.0058	-0175.2	033.4	18.47
180.0	000.3200	0263.0	022.5	300.2	000.0059	-0169.0	033.7	18.40
181.0	000.3200	0263.0	022.5	299.9	000.0060	-0163.2	034.1	18.33
182.0	000.3200	0263.0	022.5	299.6	000.0060	-0157.7	034.4	18.25
183.0	000.3200	0263.0	022.5	299.3	000.0061	-0152.8	034.8	18.17
184.0	000.3200	0263.0	022.5	299.0	000.0062	-0148.1	035.1	18.09
185.0	000.3200	0263.0	022.5	298.8	000.0062	-0143.8	035.5	18.00
186.0	000.3200	0263.0	022.5	298.5	000.0063	-0140.0	035.8	17.91
187.0	000.3200	0263.0	022.5	298.3	000.0063	-0136.2	036.2	17.82
188.0	000.3200	0263.0	022.5	298.1	000.0064	-0133.0	036.6	17.73
189.0	000.3200	0263.0	022.5	297.9	000.0064	-0130.0	036.9	17.63
190.0	000.3200	0263.0	022.5	297.7	000.0065	-0127.3	037.3	17.52
191.0	000.3200	0263.0	022.5	297.5	000.0065	-0124.7	037.7	17.41
192.0	000.3200	0263.0	022.5	297.3	000.0065	-0122.3	038.1	17.30
193.0	000.3200	0263.0	022.5	297.2	000.0065	-0120.3	038.4	17.19
194.0	000.3200	0263.0	022.5	297.1	000.0066	-0118.5	038.8	17.08
195.0	000.3200	0263.0	022.5	296.9	000.0066	-0116.8	039.2	16.96
196.0	000.3200	0263.0	022.5	296.8	000.0066	-0115.3	039.6	16.85
197.0	000.3200	0263.0	022.5	296.7	000.0066	-0113.9	040.0	16.74
198.0	000.3200	0263.0	022.5	296.6	000.0066	-0112.7	040.4	16.63
199.0	000.3200	0263.0	022.5	296.6	000.0066	-0111.6	040.7	16.52
200.0	000.3200	0263.0	022.5	296.5	000.0066	-0110.7	041.1	16.40
201.0	000.3200	0263.0	022.5	296.4	000.0067	-0110.0	041.5	16.29
202.0	000.3200	0263.0	022.5	296.4	000.0067	-0109.4	041.9	16.18

Contour-to-Contour Interference Map - K216AG
Kcbx, Inc

FMCommander Single Allocation Study - 02-12-2015 - FCC NGDC 30 Sec
K215AH's Overlaps (In= 17.57 km, Out= 20.03 km)

K215AH CH 215 D DA
Lat= 35 10 12.5, Lng= 120 44 22.9
0.25 kW -66.9 M HAAT, 17.4 M COR
Prot.= 60 dBu, Intef.= 54 dBu

K216AG CH 216 D BLFT20050309ABU
Lat= 35 26 46.0, Lng= 120 52 50.0
0.038 kW 12.6 M HAAT, 183 M COR
Prot.= 60 dBu, Intef.= 54 dBu



02-12-2015

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

K216AG BLFT20050309ABU

K215AH

Channel = 216D

Max ERP = 0.038 kW

RCAMSL = 183 M

N. Lat. 35 26 46.0

W. Lng. 120 52 50.0

Protected

60 dBu

Channel = 215D

Max ERP = 0.25 kW

RCAMSL = 17.4 M

N. Lat. 35 10 12.5

W. Lng. 120 44 22.9

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
097.0	000.0380	-0141.2	004.4	344.4	000.0085	-0211.1	031.3	20.93	
098.0	000.0380	-0133.1	004.4	344.4	000.0085	-0211.5	031.2	20.96	
099.0	000.0380	-0125.4	004.4	344.3	000.0085	-0212.0	031.2	20.99	
100.0	000.0380	-0117.2	004.4	344.2	000.0085	-0212.5	031.1	21.02	
101.0	000.0380	-0115.6	004.4	344.2	000.0085	-0213.0	031.0	21.05	
102.0	000.0380	-0117.3	004.4	344.1	000.0085	-0213.6	031.0	21.08	
103.0	000.0380	-0120.1	004.4	344.0	000.0085	-0214.2	030.9	21.11	
104.0	000.0380	-0124.1	004.4	344.0	000.0085	-0214.8	030.8	21.14	
105.0	000.0380	-0124.5	004.4	343.9	000.0085	-0215.4	030.8	21.16	
106.0	000.0380	-0124.3	004.4	343.8	000.0084	-0216.1	030.7	21.19	
107.0	000.0380	-0123.9	004.4	343.8	000.0084	-0216.8	030.6	21.22	
108.0	000.0380	-0121.1	004.4	343.7	000.0084	-0217.6	030.6	21.24	
109.0	000.0380	-0115.0	004.4	343.6	000.0084	-0218.4	030.5	21.27	
110.0	000.0380	-0103.5	004.4	343.5	000.0084	-0219.2	030.4	21.29	
111.0	000.0380	-0088.6	004.4	343.4	000.0084	-0220.0	030.4	21.32	
112.0	000.0380	-0074.6	004.4	343.3	000.0084	-0221.0	030.3	21.34	
113.0	000.0380	-0062.7	004.4	343.2	000.0084	-0221.9	030.3	21.36	
114.0	000.0380	-0053.4	004.4	343.1	000.0084	-0222.9	030.2	21.39	
115.0	000.0380	-0046.3	004.4	343.0	000.0084	-0223.9	030.1	21.41	
116.0	000.0380	-0041.5	004.4	343.0	000.0084	-0224.9	030.1	21.43	
117.0	000.0380	-0038.0	004.4	342.8	000.0083	-0225.9	030.0	21.44	
118.0	000.0380	-0034.3	004.4	342.7	000.0083	-0227.0	030.0	21.45	
119.0	000.0380	-0029.1	004.4	342.6	000.0083	-0228.1	029.9	21.46	
120.0	000.0380	-0021.5	004.4	342.5	000.0082	-0229.2	029.9	21.47	
121.0	000.0380	-0013.3	004.4	342.4	000.0082	-0230.2	029.8	21.48	
122.0	000.0380	-0005.6	004.4	342.3	000.0082	-0231.4	029.8	21.49	
123.0	000.0380	0001.0	004.4	342.2	000.0082	-0232.5	029.7	21.50	
124.0	000.0380	0007.2	004.4	342.1	000.0081	-0233.6	029.7	21.51	
125.0	000.0380	0014.7	004.4	342.0	000.0081	-0234.7	029.6	21.51	
126.0	000.0380	0023.4	004.4	341.8	000.0081	-0235.8	029.6	21.53	
127.0	000.0380	0032.4	004.5	341.9	000.0081	-0235.3	029.4	21.62	
128.0	000.0380	0040.3	005.1	342.4	000.0082	-0230.5	028.9	21.96	
129.0	000.0380	0046.5	005.5	342.7	000.0083	-0227.5	028.5	22.21	
130.0	000.0380	0051.4	005.8	342.9	000.0083	-0225.9	028.2	22.39	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
131.0	000.0380	0055.6	006.0	342.9	000.0084	-0225.2	028.0	22.54
132.0	000.0380	0059.7	006.2	343.0	000.0084	-0224.8	027.7	22.68
133.0	000.0380	0063.6	006.4	343.0	000.0084	-0224.8	027.5	22.81
134.0	000.0380	0067.7	006.6	342.9	000.0084	-0224.9	027.3	22.94
135.0	000.0380	0072.1	006.8	342.9	000.0084	-0225.1	027.1	23.08
136.0	000.0380	0076.3	007.0	342.9	000.0083	-0225.5	026.8	23.21
137.0	000.0380	0080.8	007.2	342.8	000.0083	-0225.9	026.6	23.35
138.0	000.0380	0085.2	007.4	342.8	000.0083	-0226.6	026.4	23.49
139.0	000.0380	0088.7	007.6	342.7	000.0083	-0227.8	026.1	23.60
140.0	000.0380	0090.1	007.6	342.5	000.0082	-0230.0	026.0	23.64
141.0	000.0380	0088.3	007.6	342.1	000.0081	-0233.3	026.1	23.57
142.0	000.0380	0084.0	007.4	341.7	000.0080	-0237.1	026.2	23.44
143.0	000.0380	0079.5	007.2	341.3	000.0080	-0240.5	026.4	23.30
144.0	000.0380	0076.8	007.0	341.0	000.0079	-0243.0	026.4	23.22
145.0	000.0380	0077.2	007.1	340.7	000.0079	-0244.6	026.4	23.23
146.0	000.0380	0080.7	007.2	340.5	000.0078	-0245.7	026.2	23.33
147.0	000.0380	0085.6	007.4	340.4	000.0078	-0246.5	026.0	23.47
148.0	000.0380	0089.8	007.6	340.2	000.0078	-0247.5	025.7	23.59
149.0	000.0380	0091.8	007.7	339.9	000.0077	-0248.7	025.6	23.64
150.0	000.0380	0092.6	007.8	339.7	000.0077	-0250.1	025.6	23.63
151.0	000.0380	0094.1	007.8	339.4	000.0076	-0251.3	025.5	23.65
152.0	000.0380	0097.9	008.0	339.1	000.0075	-0252.4	025.3	23.73
153.0	000.0380	0103.1	008.2	338.9	000.0075	-0253.6	025.0	23.86
154.0	000.0380	0108.3	008.4	338.6	000.0074	-0254.8	024.8	23.98
155.0	000.0380	0113.3	008.6	338.2	000.0074	-0256.1	024.6	24.09
156.0	000.0380	0118.7	008.8	337.9	000.0073	-0257.7	024.4	24.19
157.0	000.0380	0124.9	009.0	337.6	000.0072	-0259.4	024.2	24.29
158.0	000.0380	0131.6	009.3	337.2	000.0071	-0261.3	024.0	24.39
159.0	000.0380	0138.3	009.5	336.8	000.0070	-0263.5	023.7	24.49
160.0	000.0380	0144.7	009.8	336.3	000.0069	-0266.1	023.5	24.58
161.0	000.0380	0150.3	010.0	335.9	000.0068	-0268.8	023.3	24.64
162.0	000.0380	0155.2	010.1	335.4	000.0066	-0272.0	023.2	24.65
163.0	000.0380	0159.7	010.3	334.9	000.0065	-0275.4	023.0	24.65
164.0	000.0380	0163.8	010.4	334.4	000.0063	-0279.1	022.9	24.65
165.0	000.0380	0167.2	010.6	333.9	000.0062	-0282.6	022.8	24.63
166.0	000.0380	0169.4	010.6	333.4	000.0061	-0285.9	022.8	24.57
167.0	000.0380	0170.6	010.7	332.9	000.0060	-0288.8	022.8	24.49
168.0	000.0380	0171.1	010.7	332.5	000.0059	-0291.2	022.8	24.39
169.0	000.0380	0171.3	010.7	332.0	000.0058	-0293.3	022.9	24.28
170.0	000.0380	0171.4	010.7	331.6	000.0057	-0294.9	022.9	24.16
171.0	000.0380	0172.4	010.7	331.1	000.0056	-0296.2	023.0	24.06
172.0	000.0380	0173.5	010.8	330.6	000.0055	-0297.2	023.0	23.95
173.0	000.0380	0174.9	010.8	330.2	000.0054	-0297.9	023.0	23.84
174.0	000.0380	0176.6	010.9	329.7	000.0053	-0298.5	023.0	23.74
175.0	000.0380	0178.3	010.9	329.2	000.0052	-0298.6	023.1	23.63
176.0	000.0380	0179.6	010.9	328.7	000.0051	-0298.4	023.1	23.50
177.0	000.0380	0180.7	011.0	328.3	000.0050	-0298.1	023.2	23.37
178.0	000.0380	0181.9	011.0	327.8	000.0049	-0297.7	023.3	23.24
179.0	000.0380	0182.3	011.0	327.4	000.0048	-0297.1	023.3	23.10
180.0	000.0380	0182.6	011.0	327.0	000.0047	-0296.5	023.4	22.95
181.0	000.0380	0182.9	011.0	326.6	000.0046	-0295.7	023.5	22.78

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
182.0	000.0380	0182.9	011.0	326.2	000.0045	-0294.6	023.7	22.60
183.0	000.0380	0182.9	011.0	325.8	000.0044	-0293.2	023.8	22.43
184.0	000.0380	0183.0	011.0	325.5	000.0043	-0291.9	023.9	22.28
185.0	000.0380	0183.0	011.0	325.1	000.0042	-0290.0	024.0	22.12
186.0	000.0380	0183.0	011.0	324.8	000.0042	-0287.9	024.1	21.96
187.0	000.0380	0183.0	011.0	324.4	000.0041	-0285.8	024.3	21.81
188.0	000.0380	0183.0	011.0	324.1	000.0040	-0283.9	024.4	21.65
189.0	000.0380	0183.0	011.0	323.8	000.0040	-0281.9	024.5	21.47
190.0	000.0380	0183.0	011.0	323.4	000.0039	-0279.7	024.7	21.29
191.0	000.0380	0183.0	011.0	323.1	000.0038	-0277.7	024.8	21.11
192.0	000.0380	0183.0	011.0	322.9	000.0038	-0276.4	025.0	20.97
193.0	000.0380	0183.0	011.0	322.6	000.0038	-0275.5	025.1	20.87
194.0	000.0380	0183.0	011.0	322.3	000.0038	-0274.4	025.3	20.77
195.0	000.0380	0183.0	011.0	322.0	000.0038	-0273.1	025.4	20.67
196.0	000.0380	0183.0	011.0	321.8	000.0038	-0272.1	025.6	20.57
197.0	000.0380	0183.0	011.0	321.5	000.0038	-0271.3	025.7	20.47
198.0	000.0380	0183.0	011.0	321.3	000.0038	-0270.8	025.9	20.37
199.0	000.0380	0183.0	011.0	321.1	000.0038	-0270.4	026.0	20.26
200.0	000.0380	0183.0	011.0	320.8	000.0038	-0269.9	026.2	20.16
201.0	000.0380	0183.0	011.0	320.6	000.0038	-0269.4	026.4	20.05
202.0	000.0380	0183.0	011.0	320.4	000.0038	-0268.9	026.5	19.95
203.0	000.0380	0183.0	011.0	320.2	000.0038	-0268.5	026.7	19.84
204.0	000.0380	0183.0	011.0	320.0	000.0038	-0268.2	026.9	19.74
205.0	000.0380	0183.0	011.0	319.9	000.0038	-0267.9	027.1	19.63
206.0	000.0380	0183.0	011.0	319.7	000.0038	-0267.5	027.2	19.53
207.0	000.0380	0183.0	011.0	319.5	000.0038	-0267.1	027.4	19.42
208.0	000.0380	0183.0	011.0	319.4	000.0038	-0266.7	027.6	19.32
209.0	000.0380	0183.0	011.0	319.3	000.0038	-0266.4	027.8	19.21
210.0	000.0380	0183.0	011.0	319.1	000.0038	-0266.0	028.0	19.11
211.0	000.0380	0183.0	011.0	319.0	000.0038	-0265.6	028.1	19.00
212.0	000.0380	0183.0	011.0	318.9	000.0038	-0265.2	028.3	18.90
213.0	000.0380	0183.0	011.0	318.8	000.0038	-0264.8	028.5	18.80
214.0	000.0380	0183.0	011.0	318.7	000.0038	-0264.6	028.7	18.70
215.0	000.0380	0183.0	011.0	318.6	000.0038	-0264.3	028.9	18.60
216.0	000.0380	0183.0	011.0	318.5	000.0038	-0264.0	029.1	18.50