

Broadcast Engineering Services of Bonny Doon, Inc.

Donald E. Mussell Jr. NCE-CBT
Consulting Engineer
740 Front Street Suite 305
Santa Cruz, Ca 95060

(831) 420-1571 Office
(831) 588-9463 Cell
dmsml@well.com
www.well.com/user/dmsml

**Engineering Statement in support of a Minor Change
KZET Cortez, New Mexico
BLED-20111122COP**

Community Radio Project (CRP) is requesting a minor change to KZET (BLED-20111122COP). CRP proposes to migrate to first adjacent Ch 213 (90.5 mhz), change the location and height of the antenna system, and increase the effective radiated power to 1.9 kilowatts. CRP proposes using a two-bay circularly polarized non-directional antenna system on an existing tower. The tower is 29 meters in height, and the proposed radiation center above mean sea level is 2753 meters, and 901.8 meters above average terrain. The ground elevation is 2729 meters above sea level. The proposed center of the antenna array is 24 meters above ground.

The proposed antenna system is a Shively 6813-2R-.925-SS, a two bay, .925 wave spaced design. This antenna will produce a calculated worst-case RFR energy field of 26 microwatts per squared centimeter at a distance of 13.2 meters from the base of the tower support structure. This is 13 % of the public limit, and is therefore compliant with the FCC rules concerning RFR both on and adjacent to the proposed tower location.

An allocation study for Ch. 213 was performed to verify clearances to other authorized facilities surrounding the proposed site. One conflict was found, which is addressed in the applicant statement below. The construction permit for KFDC, Shiprock, New Mexico (BNPED-20071022BJP) expired on January 8th, 2012. There are no other conflicts with the proposed KIPM facilities.

Statement regarding KFDC Construction Permit File No.: BNPED-20071022BJP:

In December 2011, Community Radio Project, Inc. attended a Board Meeting of Dine Agriculture, designee for the KFDC CP. Dine Agriculture indicated in this meeting and through subsequent conversations with their General Counsel that KFDC has not been constructed and will not be constructed.

Verification of the status of KFDC can be made by contacting:

Matt Van Wormer
DNA – People’s Legal Services
P.O. Box 987, Shiprock, NM 87420
505-368-3211, fax 505-368-3212
mvan@dnalegalservices.org

CRP is ready to construct the facility with these specified changes. Once this modification is granted, construction will commence on the transmission facilities and will be completed well within the time limitations imposed by the construction permit.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'D. Mussell Jr.', with a stylized, cursive flourish at the end.

Donald E. Mussell Jr. NCE-CBT
Consulting Engineer
January 9, 2012

Don Mussell Consulting Engineer
Broadcast Engineering Services of Bonny Doon, Inc.

KZET Minor Change

Community Radio Project

REFERENCE CH# 213C1 - 90.5 MHz, PWR= 1.9 kw, HAAT= 901.8 M, COR= 2753 M
37 13 10.0 N. Average Protected F(50-50)= 59.9 km
108 48 26.0 W. Omni-directional

DISPLAY DATES
DATA 01-02-12
SEARCH 01-07-12

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
213C0 Shiprock	KFDC	CP NM	DCX	197.0 16.9	88.0 BNPED20071022BJP	36 27 39.4 109 05 45.7	11.000 741	163.6 3004	64.5 Dine Agriculture, Inc.	-134.1*	-120.2
212A Cortez	KZET	LIC CO	_CX	41.9 222.1	39.3 BLED20111122COP	37 28 57.0 108 30 34.0	0.100 100	26.7 2269	18.0 Community Radio Project	-42.6*	-64.4
214A Placerville	KTEI	LIC CO	_HX	40.3 220.8	113.0 BLED20071012AOD	37 59 30.0 107 58 21.0	0.250 449	47.9 3359	30.7 Educational Communications	9.8	0.5
216C Dove Creek	NEW	CP CO	DCX	319.8 139.4	89.8 BMPED20090603AFO	37 50 04.0 109 28 00.0	18.000 976	7.4 3401	82.8 Community Radio Project	24.2	3.8
213A Dulce	KCIE	LIC NM	DEN	98.6 279.7	165.4 BLED19901001KA	36 59 00.0 106 58 12.0	0.100 468	57.2 2757	13.5 Jicarilla Apache Tribe	52.7	9.3
215C3 Farmington	KSJE	LIC NM	_CN	137.9 318.2	78.0 BLED19901108KB	36 41 52.0 108 13 14.0	15.000 119	4.6 1824	43.5 San Juan College	11.1	30.9
211C1 Ignacio Vertical Polarization Only	KUTE	LIC CO	DVN	79.6 260.2	92.3 BLED19980717KA	37 21 51.0 107 46 56.0	3.000 599	1.9 3029	45.0 Kute, Inc.	30.8	38.9
212A Ouray	NEW	CP CO	_CX	48.3 229.0	134.0 BNPED20071018AWW	38 00 57.0 107 39 59.0	3.000 -764	19.5 2521	13.2 Academy Media Inc.	56.8	36.0

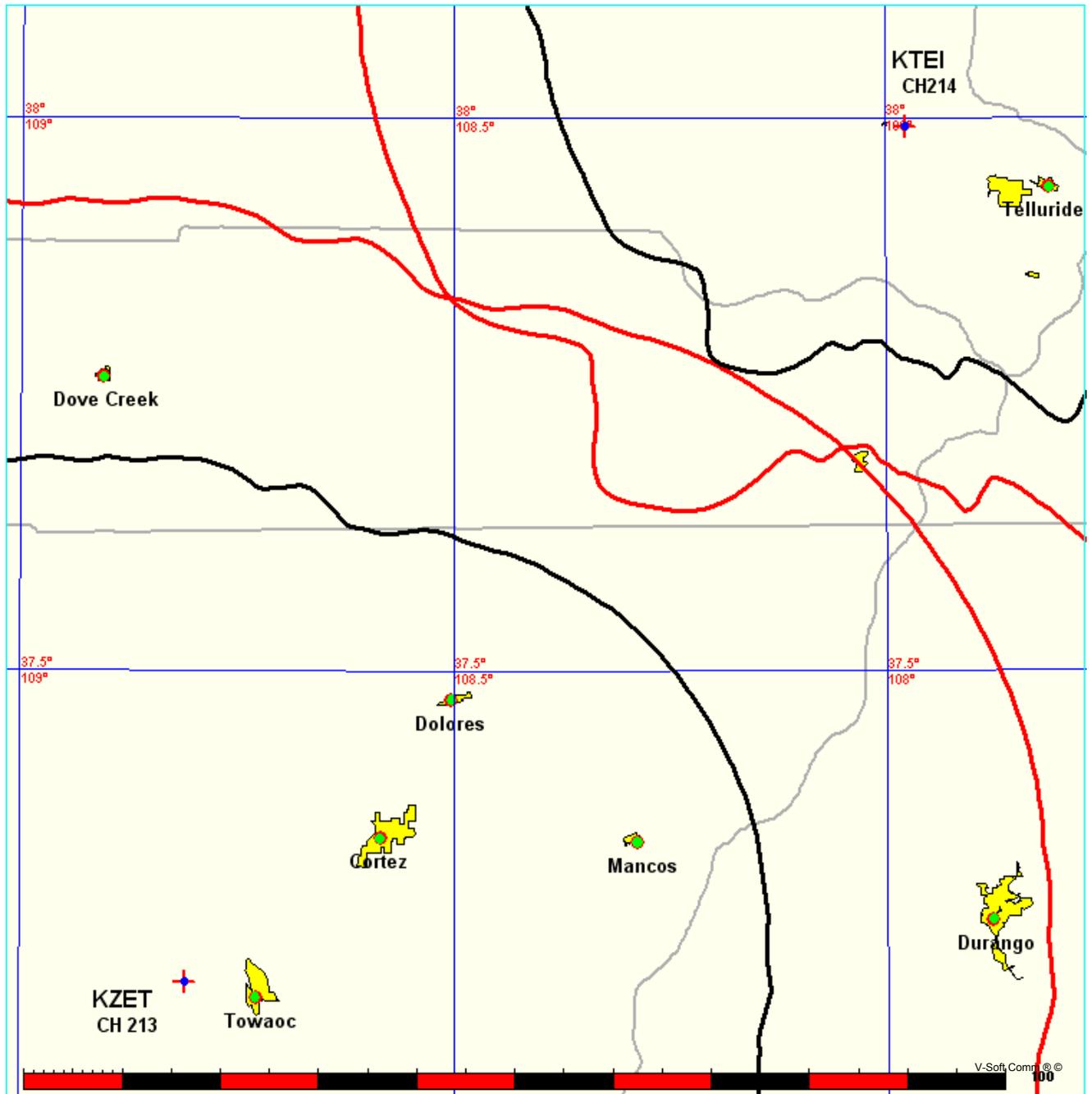
Terrain database is FCC NGDC 30 Sec , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference zone= - Zone 2, Co to 3rd adjacent.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
"*"affixed to 'IN' or 'OUT' values = site inside protected contour.
« = Station meets FCC minimum distance spacing for its class.

KZET - KTEI
Community Radio Project

FMCommander Single Allocation Study - 01-07-2012 - FCC NGDC 30 Sec
KZET's Overlaps (In= 9.78 km, Out= 0.48 km)

KZET CH 213 C1
Lat= 37 13 10.0, Lng= 108 48 26.0
1.9 kW 901.8 M HAAT, 2753 M COR
Prot.= 60 dBu, Intef.= 54 dBu

KTEI CH 214 A BLED20071012AOD
Lat= 37 59 30.0, Lng= 107 58 21.0
0.25 kW 449.3 M HAAT, 3359 M COR
Prot.= 60 dBu, Intef.= 54 dBu

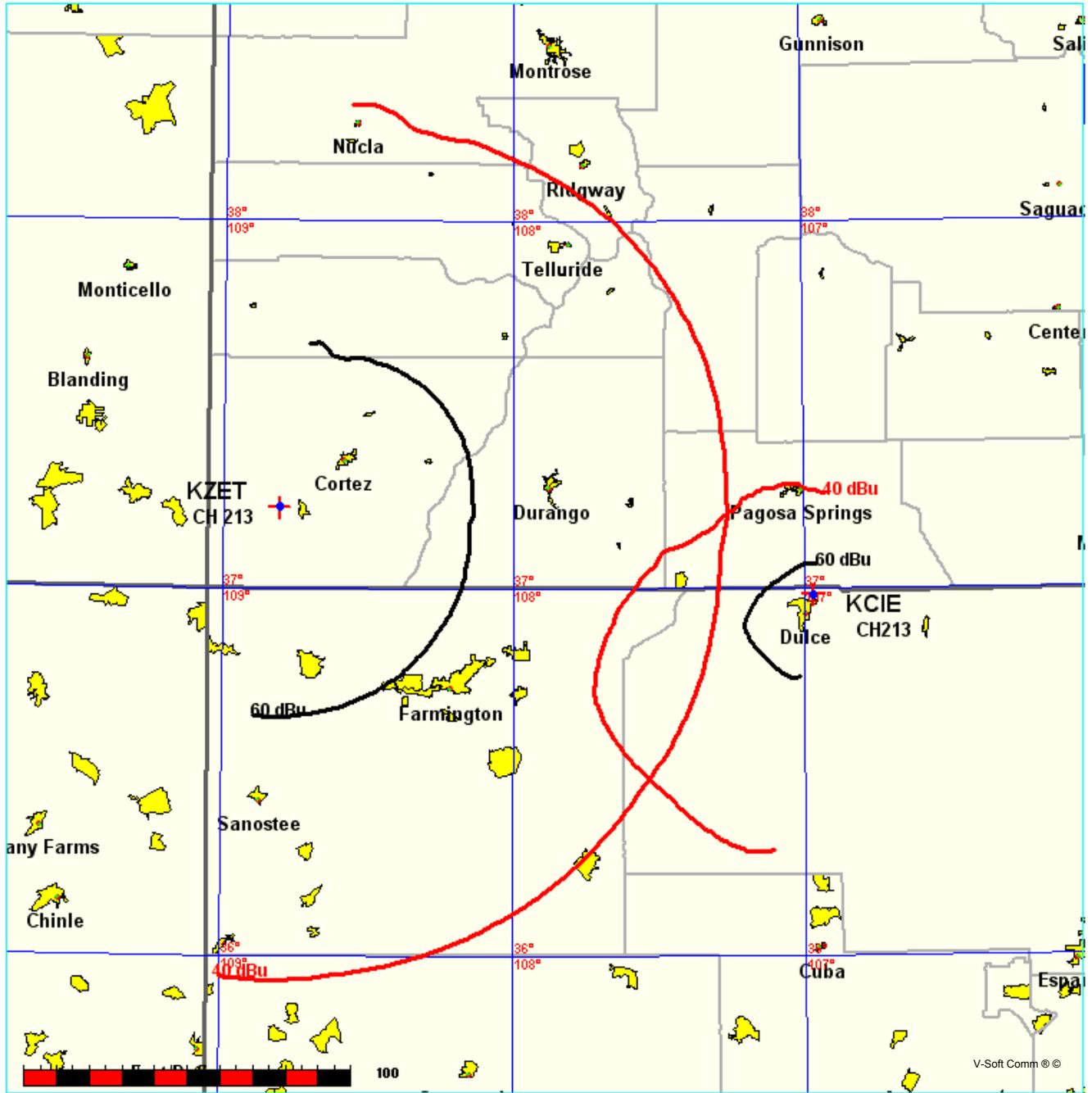


KZET - KCIE
Community Radio Project

FMCommander Single Allocation Study - 01-07-2012 - FCC NGDC 30 Sec
KZET's Overlaps (In= 52.74 km, Out= 9.31 km)

KZET CH 213 C1
Lat= 37 13 10.0, Lng= 108 48 26.0
1.9 kW 901.8 M HAAT, 2753 M COR
Prot.= 60 dBu, Intef.= 40 dBu

KCIE CH 213 A DA BLED19901001KA
Lat= 36 59 00.0, Lng= 106 58 12.0
0.1 kW 468 M HAAT, 2757 M COR
Prot.= 60 dBu, Intef.= 40 dBu

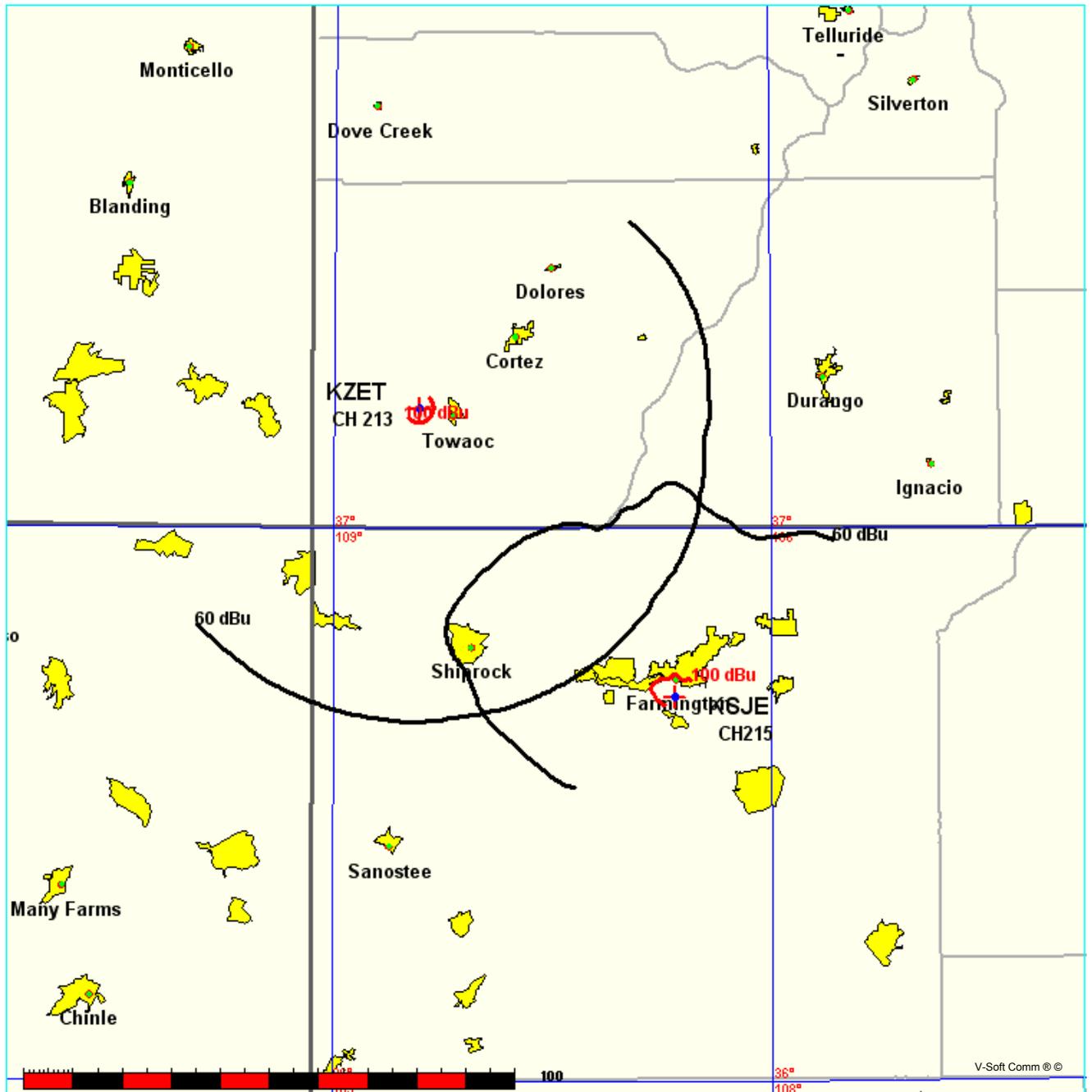


KZET - KSJE
Community Radio Project

FMCommander Single Allocation Study - 01-07-2012 - FCC NGDC 30 Sec
KZET's Overlaps (In= 11.09 km, Out= 30.87 km)

KZET CH 213 C1
Lat= 37 13 10.0, Lng= 108 48 26.0
1.9 kW 901.8 M HAAT, 2753 M COR
Prot.= 60 dBu, Intef.= 100 dBu

KSJE CH 215 C3 BLED19901108KB
Lat= 36 41 52.0, Lng= 108 13 14.0
15.0 kW 119 M HAAT, 1824 M COR
Prot.= 60 dBu, Intef.= 100 dBu



KZET - New Dove Creek
Community Radio Project

FMCommander Single Allocation Study - 01-07-2012 - FCC NGDC 30 Sec
KZET's Overlaps (In= 24.24 km, Out= 3.77 km)

KZET CH 213 C1
Lat= 37 13 10.0, Lng= 108 48 26.0
1.9 kW 901.8 M HAAT, 2753 M COR
Prot.= 60 dBu, Intef.= 100 dBu

NEW-C CH 216 C DA BMPED20090603AFO
Lat= 37 50 04.0, Lng= 109 28 00.0
18.0 kW 976 M HAAT, 3401 M COR
Prot.= 60 dBu, Intef.= 100 dBu

