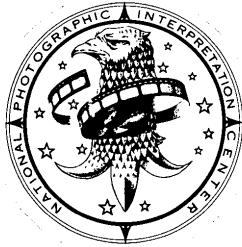


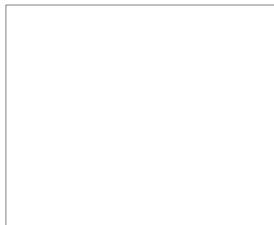
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**PHOTOGRAPHIC
INTERPRETATION
REPORT**

**NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER**

**NEW HF COMMUNICATIONS FACILITIES
WU-LU-MU-CHI
CHINA**



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INSTALLATION OR ACTIVITY NAME					COUNTRY	
New HF Communications Facilities, Wu-lu-mu-chi					CH	
UTM COORDINATES	GEOGRAPHIC COORDINATES	CATEGORY	BE NUMBER	COMIREX NO.	NIETR NO.	
NA	See Below	See Below	None	None	See Below	
MAP REFERENCE						

SAC. US Air Target Chart, Series 200, Sheet 0330-3, scale 1:200,000

	NEGATION DATE (if required)
	NA
	NPIC PROJECT
	250678

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Two high frequency (HF) communications facilities -- one transmitting and one receiving -- have been newly identified in the Wulumuchi area of China:

Wulumuchi HF Communications Facility East (transmitting)

43-47-45N 087-39-25E, BE None, [redacted]

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Wulumuchi HF Communications Facility South (receiving)

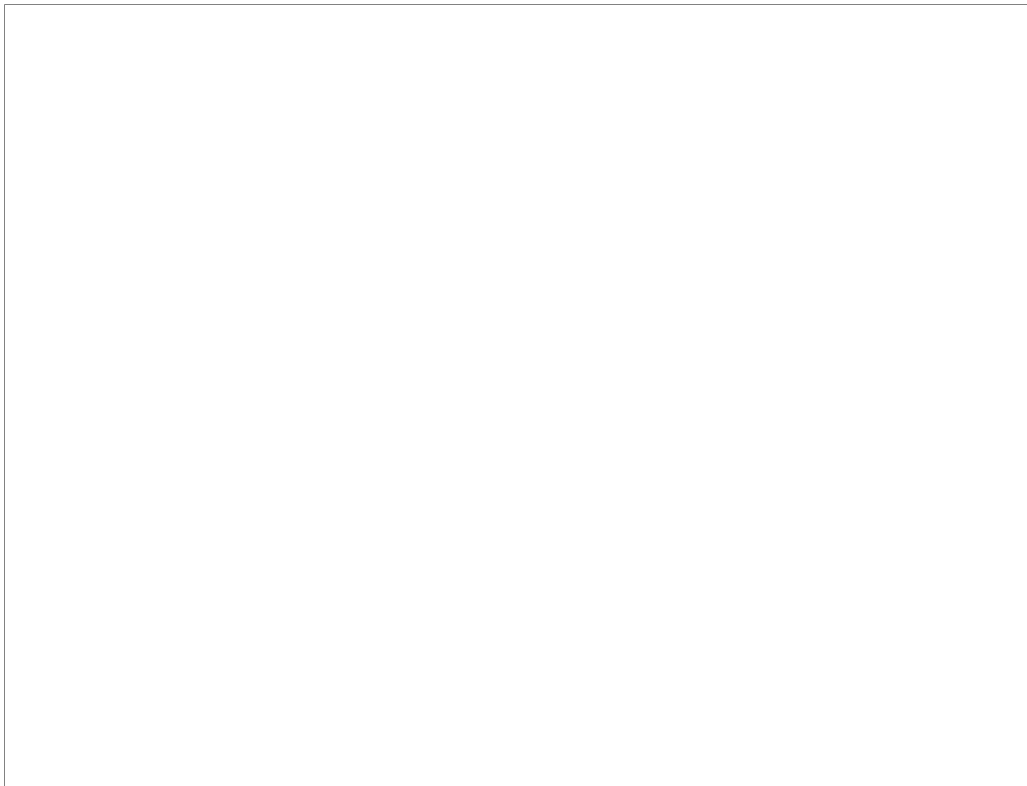
43-43-48N 087-36-00E, BE None, [redacted]

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The Wulumuchi HF Communications Facility East (transmitting) is paired with Wulumuchi HF Communications Facility South (receiving) to form an integrated radio-communications terminal (Figure 1). The probable correspondents for both facilities are in the Peking area. It is possible that this radio-communications terminal links the Wulumuchi Headquarters (HQ) Hsinchiang Military District (BE [redacted] 43-47-30N 087-39-05E) with the Ministry of National Defense, Peking Military Region.

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The Wulumuchi HF transmitting facility (Figure 2, Table 1) is located on the eastern edge of the city and immediately south of Wulumuchi HQ Hsinchiang



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Military District. The facility contains one rhombic antenna (item E), three quadrant antennas (items B through D), 12 horizontal dipole antennas (items G through P), and four masts that are arranged in an unidentified pattern. The rhombic antenna

The presence of a dissipation line on the rhombic antenna indicates that this is a transmitting facility. The facility is unsecured and contains two control buildings (items 1 and 8) among 21 structures.

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The Wulumuchi HF receiving facility (Figure 3) is located 3.5 nautical miles (nm) south of the city. This facility is unsecured and contains two 3-2-2-3 fishbone antennas (items A and B) arranged in a space diverse pattern, one control building (item 1), and one support building (item 2).

Table 1. Wulumuchi HF Communications Facility East (Transmitting)

Item	Description	
A	Horizontal dipole	
B	Quadrant	
C	Quadrant	
D	Quadrant	
E	Horizontal dipole	
F	Rhombic	
G	Horizontal dipole	
H	Horizontal dipole	
I	Horizontal dipole	
J	Horizontal dipole	
K	Horizontal dipole	
L	Horizontal dipole	
M	Horizontal dipole	
N	Horizontal dipole	
O	Horizontal dipole	
P	Horizontal dipole	

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Buildings

Table 1 (Con't)

Item	Description	Item	Description
1	Control bldg	11	Support bldg
a		a	
b		b	
c		12	Support bldg
2	Support bldg	13	Prob barracks
3	Support bldg	14	Support bldg
4	Support bldg	15	Support bldg
5	Support bldg	16	Support bldg
6	Support bldg	17	Support bldg
7	Support bldg	18	Support bldg
8	Control bldg	19	Support bldg
a		a	
b		b	
c		20	Support bldg
9	Support bldg	a	
10	Heat/Power plant	b	
a		21	Support bldg
b			

**Azimuths are accurate to within ± 3 degrees with a 95% confidence level.

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