

**Table 5.2.1.1-5** Survey Result of Woreta PCO Subscriber Station (No.5/Anguko)

**(1) Site Information**

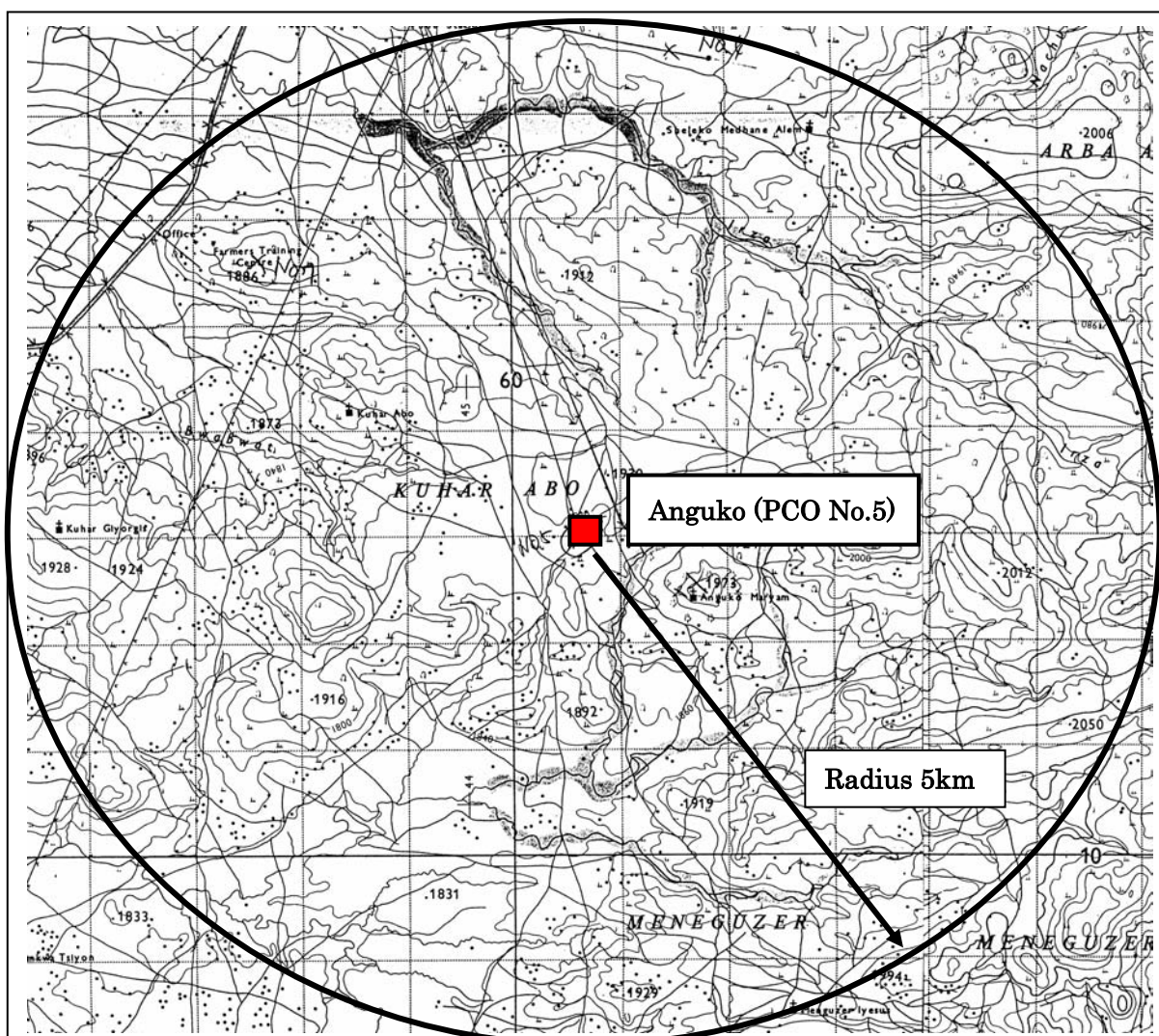
<i>Category</i>	<i>Survey Item</i>	<i>Survey Result</i>	<i>Remarks</i>
1. Location	Site Name	Anguko	Map Survey Data
	Address		
	Latitude	11° 52' 38" N	
	Longitude	37° 43' 15" E	
	Above Sea Level	1,920 m	
	Site condition		
2. Building	Building Structure	None	Required
3. Power	Commercial Power	None	Solar power system required
4. Grounding	Indoor Grounding	None	Required
	Outdoor Grounding	None	Required
5. Equipment Installation	Vehicle Access Road	Not OK (accessible in dry season only)	Cannot be used in rainy season
	Material Temporary Storage	Not defined	Use empty space
	Vehicle Carrying in/Parking	Not defined	
	Minimum Entrance	Carry-in road: Meadow	
	Security Guard	Required (The janitor of the elementary school may be arranged.)	Request for placing
6. Others	Population of Site (Within 2km radius) Temperature/Humidity/ Precipitation Data	About 250 households	

**(2) PCO Subscriber Station**

<i>Category</i>	<i>Survey Item</i>	<i>Survey Result</i>	<i>Remarks</i>
1. System	No. of Subscriber Lines	8 lines (VoIP compatible telephones)	
2. Antenna	Antenna Facility		
	PCO Antenna Height	20 m	
	PCO Antenna Direction	Azimuth: 338.4° (in the direction of base station)	
3. Tower	Presence of Towers	None	To be newly installed
	Tower Height	Pole: 20m (new installation)	To be newly installed
	Installation Location	There are installation spaces on the ground.	
4. Equipment	Space for Equipment	No space	Required shelter

(3) Subscribers (Demand Area)

Category	Survey Item	Survey Result	Remarks
1. Demand Area	Summary of Topography		
	- Above Sea Level	1,920 m	Verified by 1/50,000 map and visual check
	- Land Feature	In the meadow (on the hill)	
	- House	One-story houses	
	- Tree	In the meadow	
Expected Demand Area	Attachment - 5		



Attachment-5 Expected Demand Area (Reference)

**Table 5.2.1.1-6** Survey Result of Woreta PCO Subscriber Station  
(No.6/Mobil Gas Station)

**(1) Site Information**

<i>Category</i>	<i>Survey Item</i>	<i>Survey Result</i>	<i>Remarks</i>
1. Location	Site Name Address Latitude Longitude Above Sea Level Site condition	Mobil Gas Station  11° 55' 58" N 37° 41' 23" E 1,800 m Attachment 5.2.1.1-No.6	Map Survey Data
2. Building	Building Structure	None	Required
3. Power	Commercial Power	AC 220V available	
4. Grounding	Indoor Grounding Outdoor Grounding	None None	Required Required
5. Equipment Installation	Vehicle Access Road Material Temporary storage Vehicle Carrying in/Parking Minimum Entrance Security Guard	OK (near the main road) 5m×5m OK Carry-in road: 5m wide Not required (A gas station attendant can take charge.)	Use empty space Request for placing
6. Others	Population of Site (Within 2km radius) Temperature/Humidity/ Precipitation Data	About 1500 households	

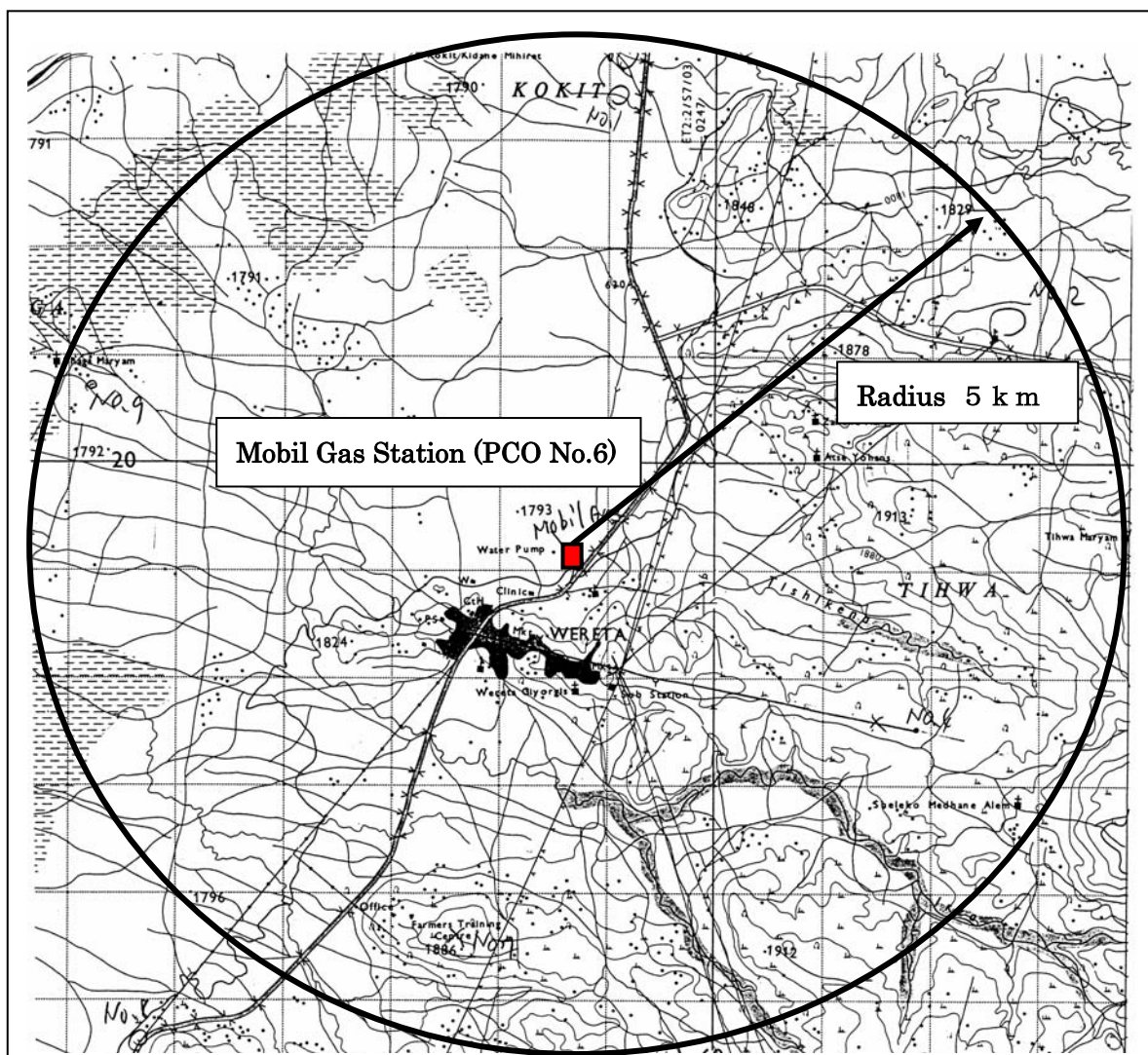
**(2) PCO Subscriber Station**

<i>Category</i>	<i>Survey Item</i>	<i>Survey Result</i>	<i>Remarks</i>
1. System	No. of Subscriber Lines	8 lines (VoIP compatible telephones)	
2. Antenna	Antenna Facility PCO Antenna Height PCO Antenna Direction	10 m Azimuth: 129.4° (in the direction of base station)	
3. Tower	Presence of Towers Tower Height Installation Location	None Pole: 10m (new installation) There are installation spaces on the ground.	To be newly installed To be newly installed
4. Equipment	Space for Equipment	No space	Required shelter



(3) Subscribers (Demand Area)

Category	Survey Item	Survey Result	Remarks
1. Demand Area	Summary of Topography		
	- Above Sea Level	1,800 m	Verified by 1/50,000 map and visual check
	- Land Feature	Outskirts of the town (along the road)	
	- House	One-story houses	
- Tree	Trees standing far in the direction of base station		
	Expected Demand Area	Attachment - 6	



Attachment-6 Expected Demand Area (Reference)



Attachment 5.2.1.1- No.6

**Table 5.2.1.1-7** Survey Result of Woreta PCO Subscriber Station (No.7/ATVET College)

**(1) Site Information**

<i>Category</i>	<i>Survey Item</i>	<i>Survey Result</i>	<i>Remarks</i>
1. Location	Site Name	ATVET College	Map Survey Data
	Address		
	Latitude	11° 54' 7" N	
	Longitude	37° 41' 36" E	
	Above Sea Level	1,880 m	
	Site condition	Attachment 5.2.1.1-No.7	
2. Building	Building Structure	None	Required
3. Power	Commercial Power Supply	220VAC available	
4. Grounding	Indoor Grounding	None	Required
	Outdoor Grounding	None	Required
5. Equipment Installation	Vehicle Access Road	OK	Use empty space
	Material Temporary Storage	20m × 20m	
	Vehicle Carrying in/Parking	OK	
	Minimum Entrance	Carry-in road: 5m wide for exclusive use	
	Security Guard	Not required (The janitor can take charge.)	
6. Others	Population of Site (Within 2km radius)	About 1000 households	Install a public telephone booth at the entrance (ETC).
	Temperature/Humidity/Precipitation Data		

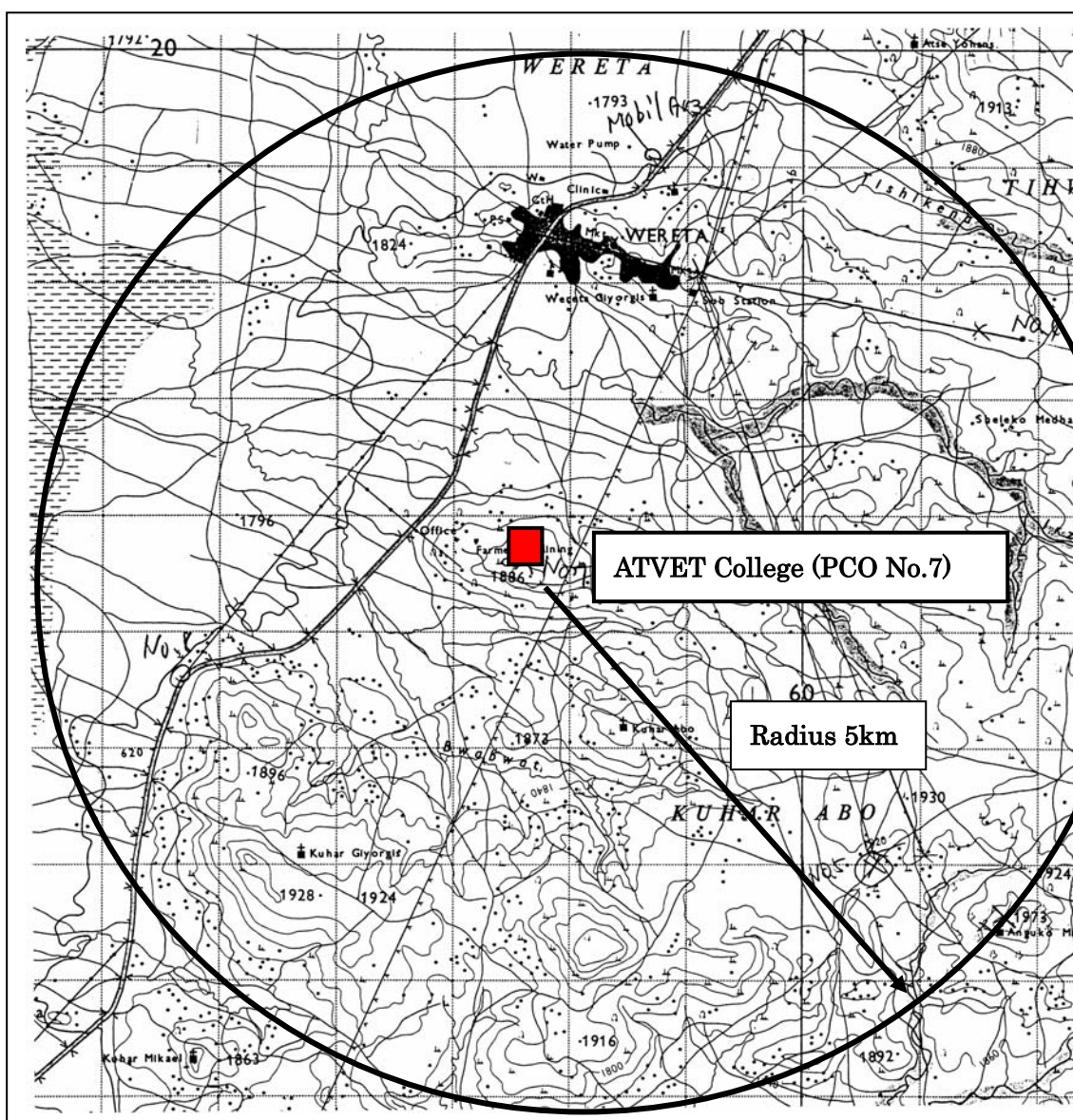
**(2) PCO Subscriber Station**

<i>Category</i>	<i>Survey Item</i>	<i>Survey Result</i>	<i>Remarks</i>
1. System	No. of Subscriber Lines	8 lines (VoIP compatible telephones)	
2. Antenna	Antenna Facility		
	PCO Antenna Height	10 m	
	PCO Antenna Direction	Azimuth: 24.6° (in the direction of base station)	
3. Tower	Presence of Towers	None	To be newly installed
	Tower Height	Pole: 10m (new installation)	To be newly installed
	Installation Location	There are installation spaces on the ground.	
4. Equipment	Space for Equipment	No space	Required shelter



**(3) Subscribers (Demand Area)**

Category	Survey Item	Survey Result	Remarks
1. Demand Area	Summary of Topography	1,880 m	Verified by 1/50,000 map and visual check
	- Above Sea Level - Land Feature	Outskirts of the town (along the road)	
	- House - Tree	One-story houses Clear view in the direction of base station	
	Expected Demand Area	Attachment - 7	



**Attachment-7 Expected Demand Area (Reference)**



Attachment 5.2.1.1 - No.7