

2008

Base station code: **1562**

Cape regional building

**40 Ringer street
Carmichael
6552**



Site Management Report

In terms of

EMF Exposure

Compliance report
Issue No: 1
Date: 20/10/2009



Compliance report Document Revision History

Issue No	Issue Date	Reason for Amendment
1	20/10/2009	Original

Glossary of Terms and Abbreviations

Term	
EMF	Electromagnetic Fields
Exclusion Zone	Area around an antenna or antennas where the RF field values emanating from the antennas exceed the ICNIRP public guidelines (public exclusion zone) or the ICNIRP occupational guidelines (occupational exclusion zone)
ICNIRP	International Commission on Non-Ionizing Radiation Protection
RF	Radio-Frequency

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Intended Use of Site Report

This report is created to assist RF trained personnel in ensuring a safe working environment, with respect to electromagnetic radiation, when working in the vicinity of RF sources. Personnel must at all times follow the company's safety procedures.

Details of access control and signage at the site is given in this report. The numerically computed compliance zones are also shown. All this information, including top and side views, can be used to determine safe working positions around the RF sources.

Contact the Base station RF Assessor to ensure that this document is still the current version of the report for this site.

Site Contact Details

This Section shows the contact details for all individuals or organisations with which this site is associated. **Permission to access this site must be obtained from the relevant party.**

Site Information Contacts

Site Owner

The site owner is the individual or organisation that is responsible for the stated building(s) or structure(s) at this base station. Contact the Site Owner for building or site renovations and general maintenance issues.



Linked Head Office building
103 Viceroy road
Cape Town

Phone	+27 56 829 3355
Mobile	+27 56 829 3355
Email	hands@linked.com

Site Manager

The site manager is the individual or organisation that is responsible for managing access and maintenance on the stated building(s) or structure(s) at this base station. Contact the Site Manager for building or site renovations and general maintenance issues and when changes to access arrangements or equipment on the base station have been made.



Linked Head Office building
103 Viceroy road
Cape Town

Phone	+27 56 829 3355
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Email	hands@linked.com

Site RF assessor

The site RF assessor is the individual or organisation that is responsible for assessing the extent of RF emissions at the site, as well as certifying the base stations compliance with relevant EMF standards. Contact the Site RF Assessor for the latest RF Safety information and when changes to access arrangements or equipment on the base station have been made.



EMSS Consulting Pty. Ltd.
32 Techno avenue
Stellenbosch

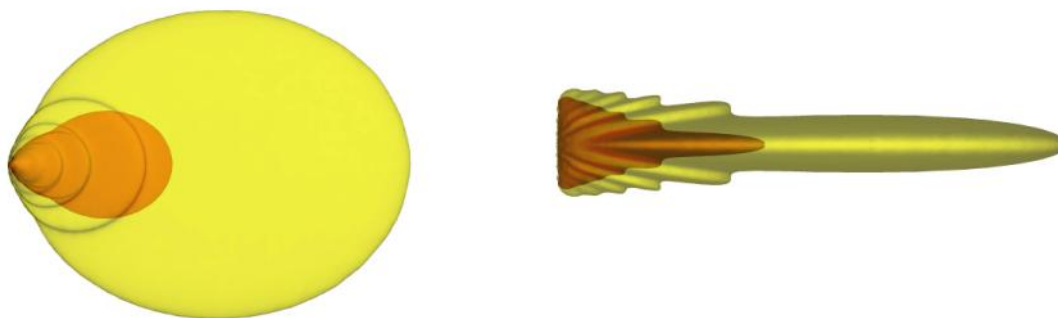
Phone	+27 21 880 1880
Mobile	+27 84 555 2088
Email	Info@emss.co.za

Exclusion Zone Indicators

This report contains numerically computed exclusion zones. These zones are computed based on the ICNIRP guidelines. The red zone is the occupational exclusion zone. No person is allowed into these areas without following the appropriate shut-down, power-down or safe pass-through procedures. RF trained personnel are allowed into the yellow zone, on condition that they follow the relevant site access procedures. No other person is allowed in the yellow, general public exclusion zone. The area outside the yellow is open to public access.

The compliance zones shown in this version of the report were generated using: CAD Tool version: 2.8.26 (internal) (Calculator: 4.8)

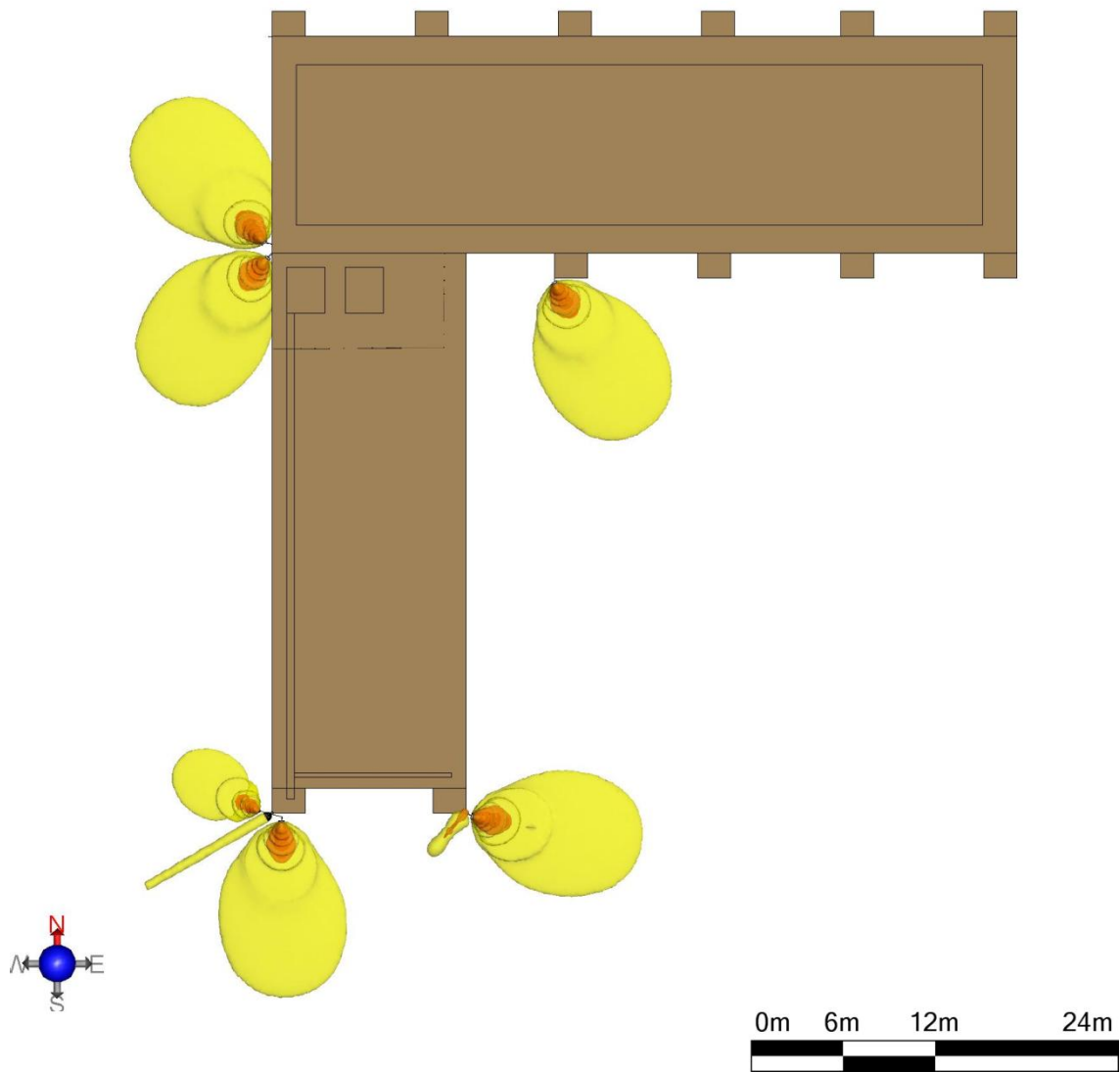
- Red Zone = No access without following appropriate shut-down, power-down or pass through procedures
- Yellow Zone = Access only allowed for RF trained personnel. No access for general staff, maintenance personnel or the public
- White Zone = Free access



Important :

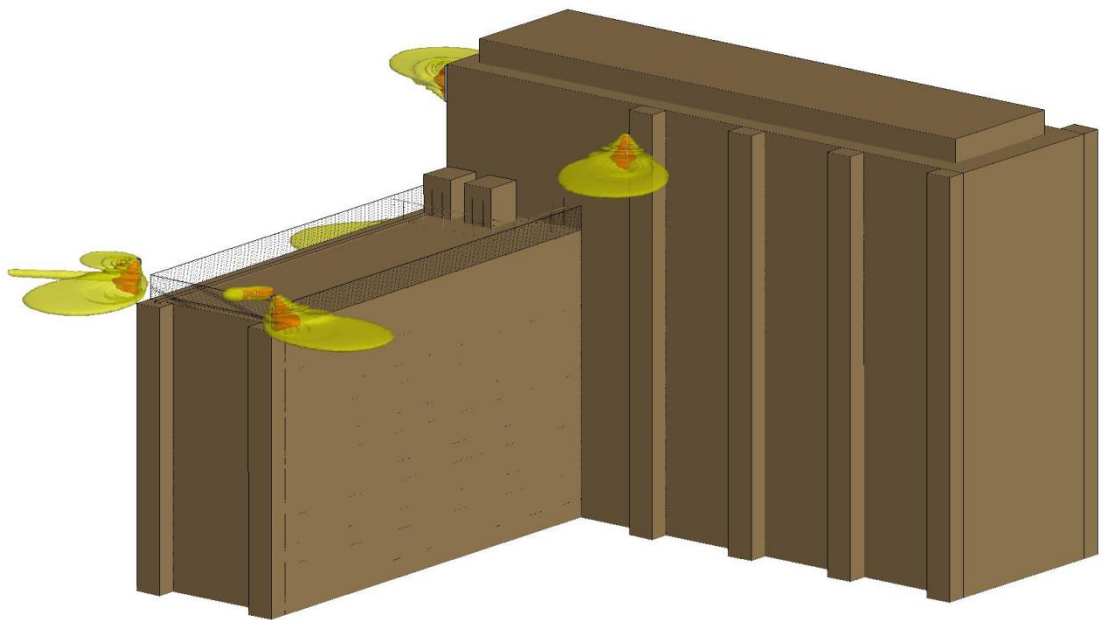
General Public and Maintenance Personnel and your staff do not enter red or yellow zones.



Top view



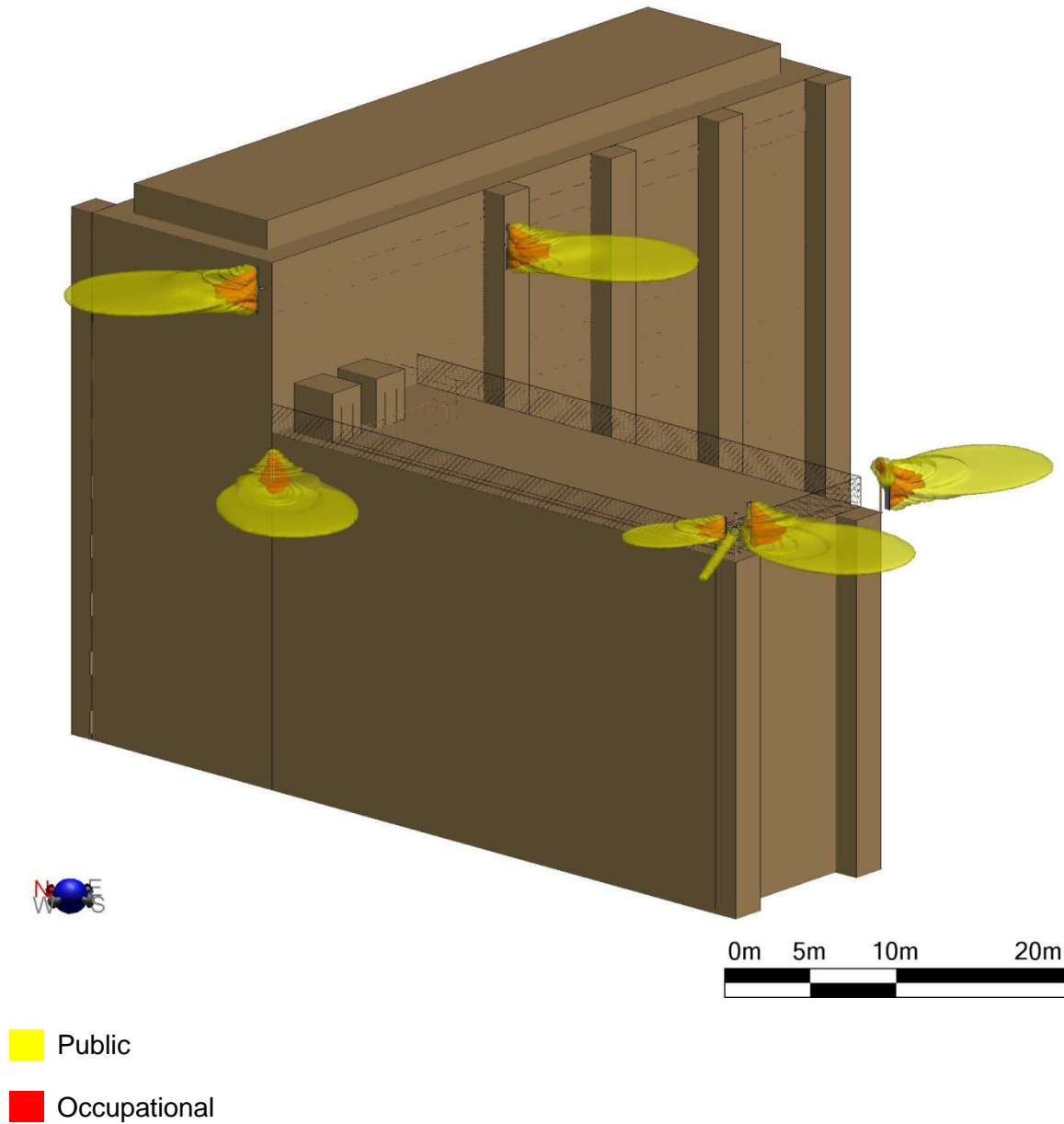
- Public
- Occupational

Overview from 140°

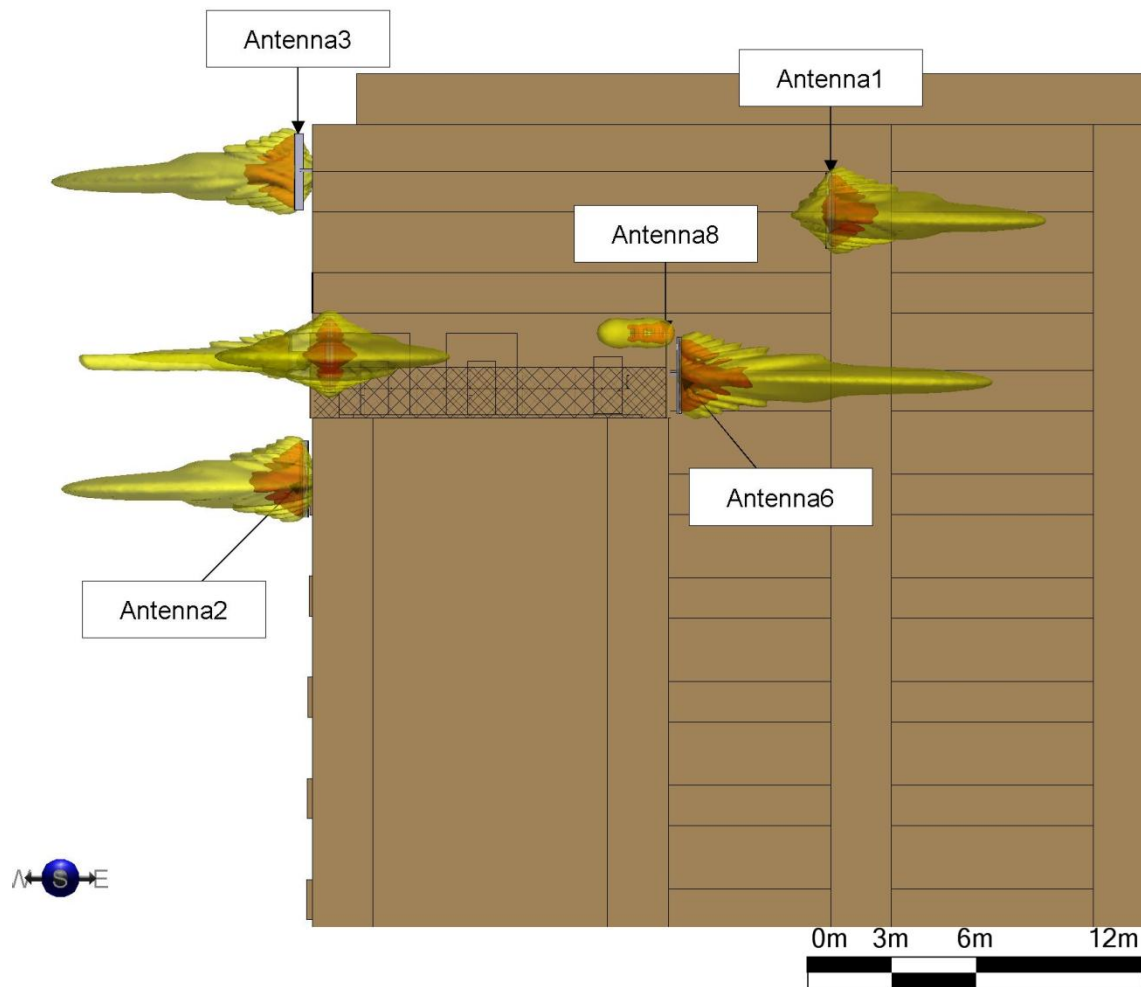


-  Public
-  Occupational

Overview from 228°

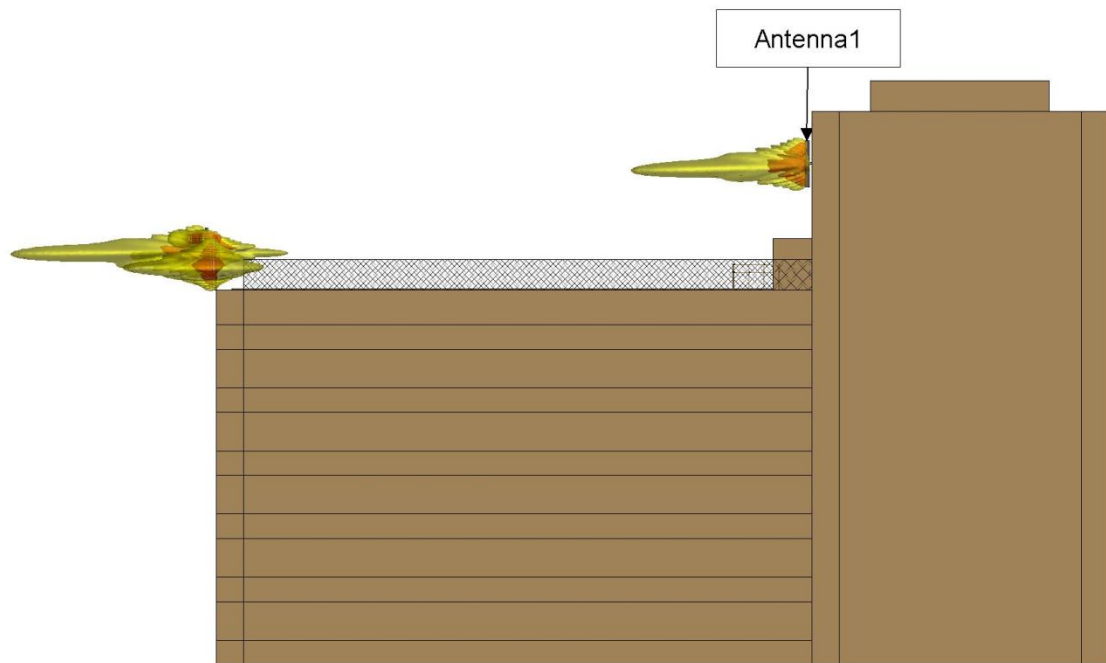


View from South



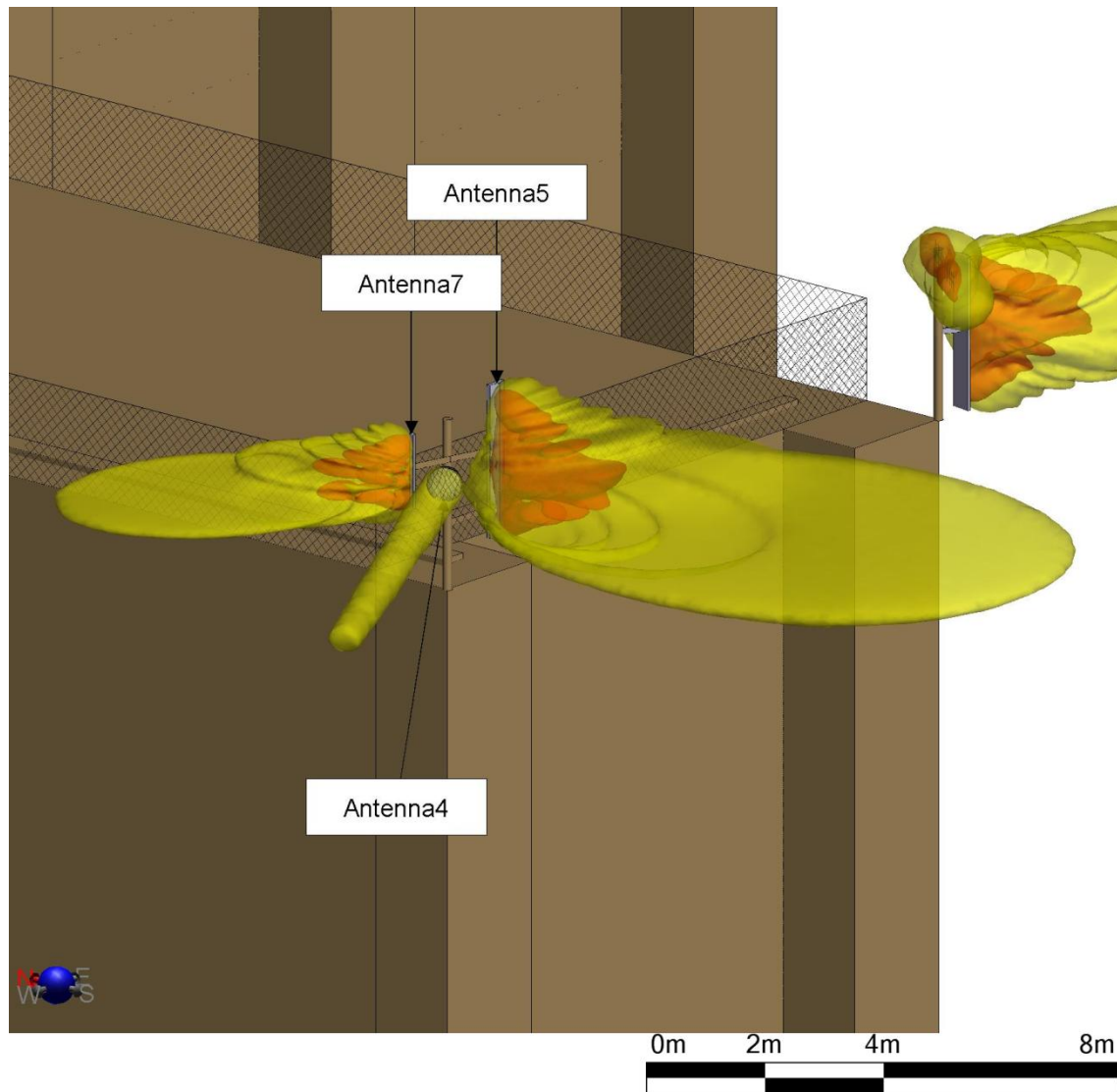
- Public
- Occupational

View from East



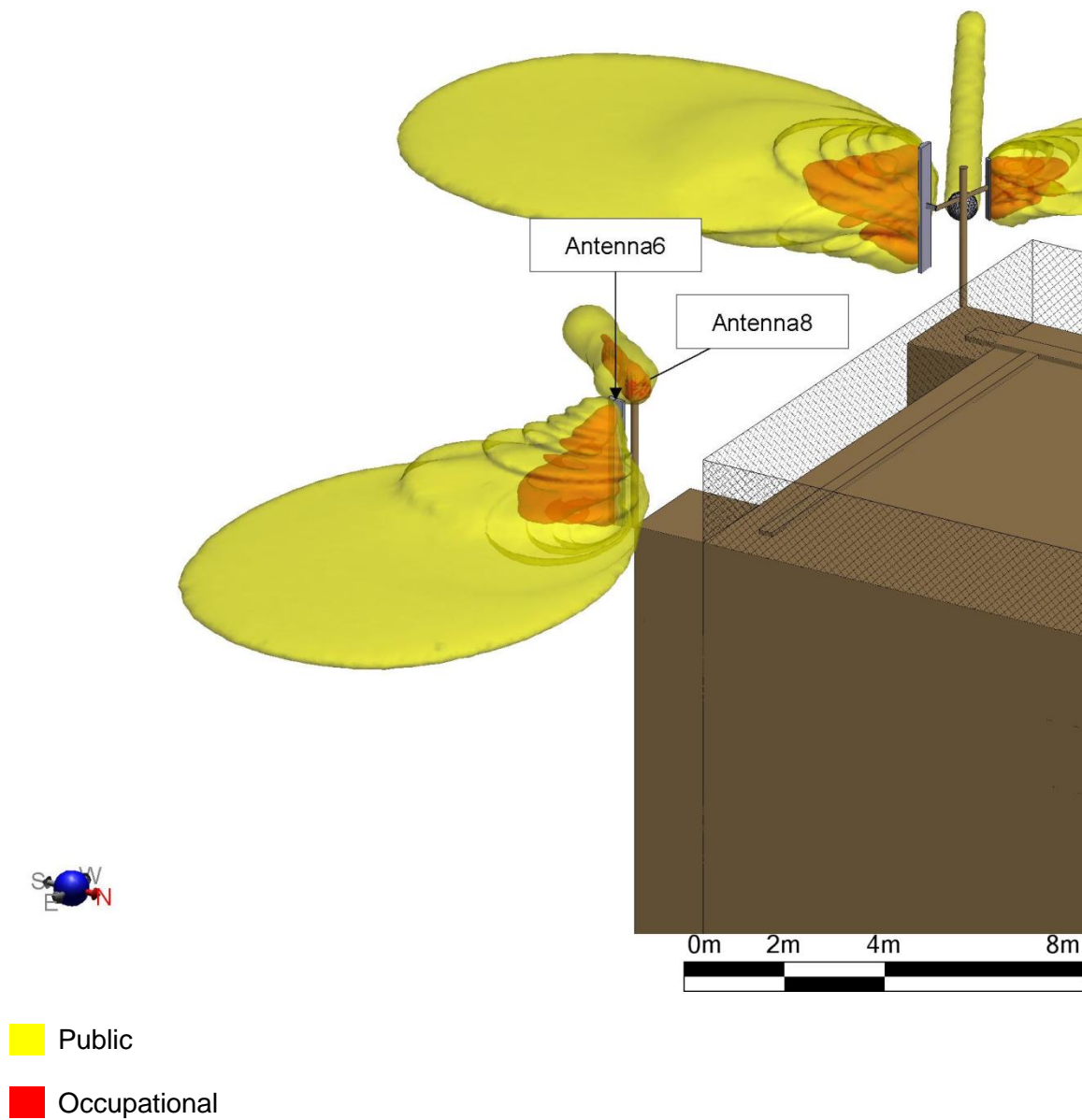
- Public
- Occupational

Antenna group 4, 5 and 7

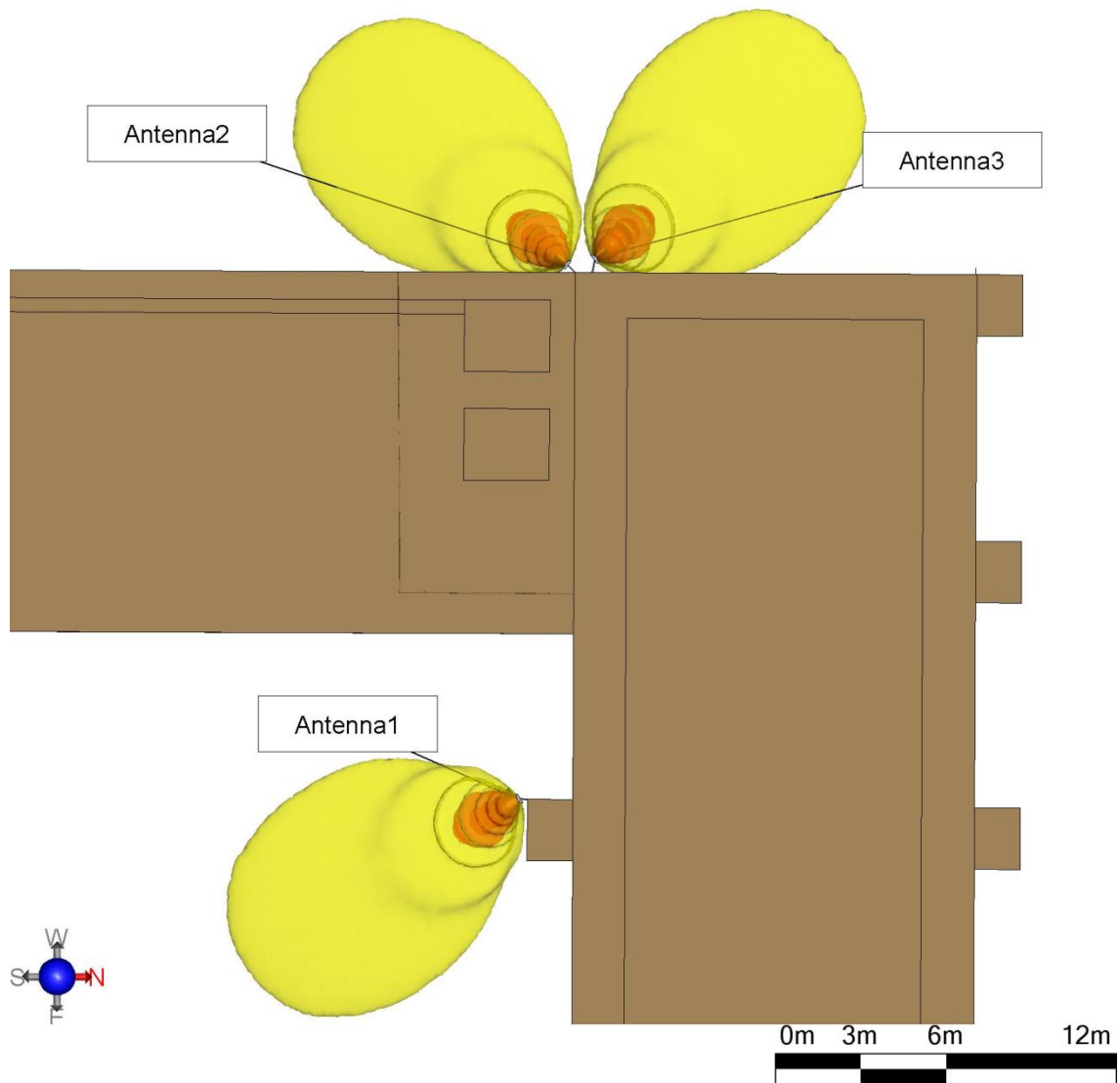


- Public
- Occupational

Antenna group 6 and 8

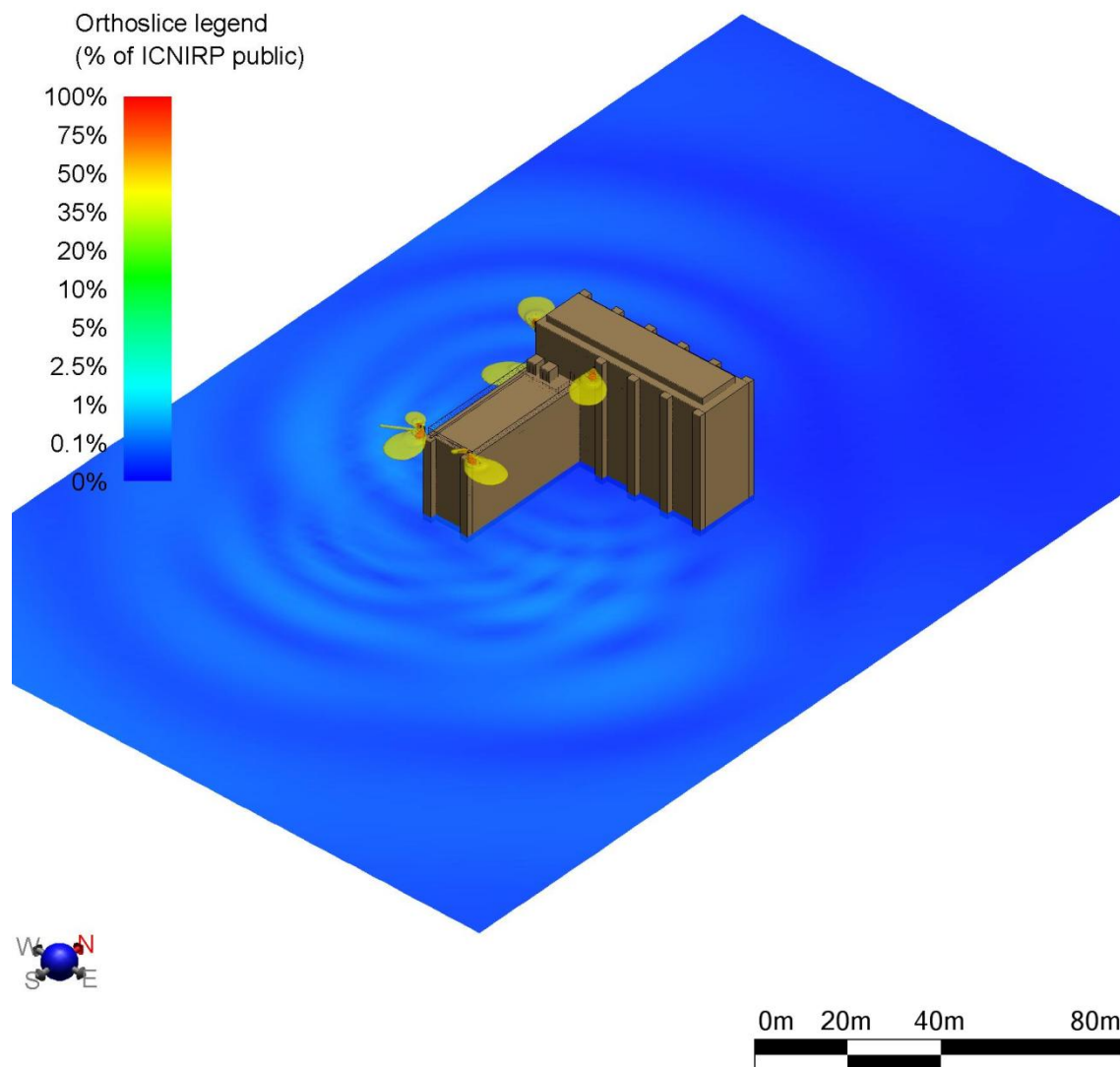


Top view Antenna 1, 2 and 3



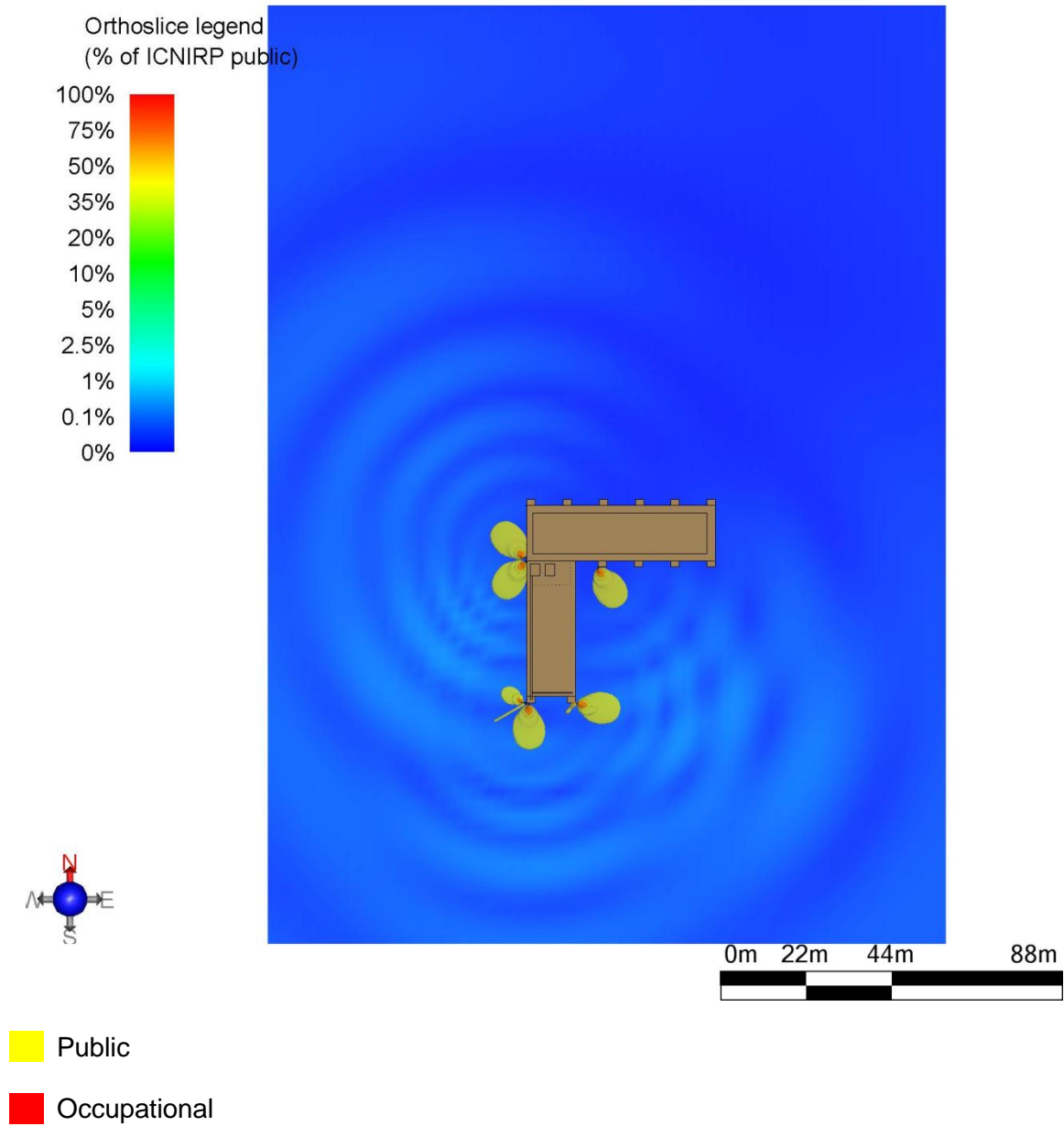
- Public
- Occupational

Environmental orthoslice 1



- Public
- Occupational

Environmental orthoslice 2



Signage and Access Control

This section details the access control procedures in place at the site and the RF hazard warning signs.

Check that your EMF access control & RF signs are up to date.

The RF EMF access control and RF signage information about this site is maintained on a centralised database that is kept up to date for all carriers and known services transmitting from this site.

Ensure that your EMF signage and access information is up to date by contacting the RF ASSESSOR for this site.

Access Control at Site

Access to the building is controlled by security guards and the door leading to the roof is locked.

RF Signage Installed

A Notice sign is located on the door leading to the roof. A Caution sign is located on the railing around the containers. Warning stickers are located on the back of all the antennas owned by Linked.

Special Access Requirements

Contact Regional head office to arrange access to the base station.

Equipment Installed at this base station

REPORT Ref	Owner	Type/Make/Model	Azimuth	Mech. Tilt	Elec. Tilt	System/Function/Sector	Power (W)
Antenna1	Linked	Panel/Argus/CNNPX310D	150	0	2	GSM900	40+40
					2	GSM1800	40+40
Antenna2	Linked	Panel/Argus/CNNPX310D	220	0	2	GSM900	40+40
					2	GSM1800	40+40
Antenna3	Linked	Panel/Argus/CNNPX310D	320	0	2	GSM900	40+40
					2	GSM1800	40+40
Antenna4	Not specified	Custom/Andrew/VHLP2-180A	240	0	0	19.7GHz	1
Antenna5	Not specified	Panel/Argus/CNNPX310D	180	0	1	GSM900	40+40
					0	GSM1800	40+40
Antenna6	Not specified	Panel/Argus/CNNPX310D	100	0	1	GSM900	40+40
					2	GSM1800	40+40
Antenna7	Not specified	Panel/Kathrein/742215	300	0	2	GSM1800	20+20
					0	WCDMA2100	20+20
Antenna8	Not specified	Custom/RFS/YU11	220	0	0	400MHz	10

Antenna Comments
