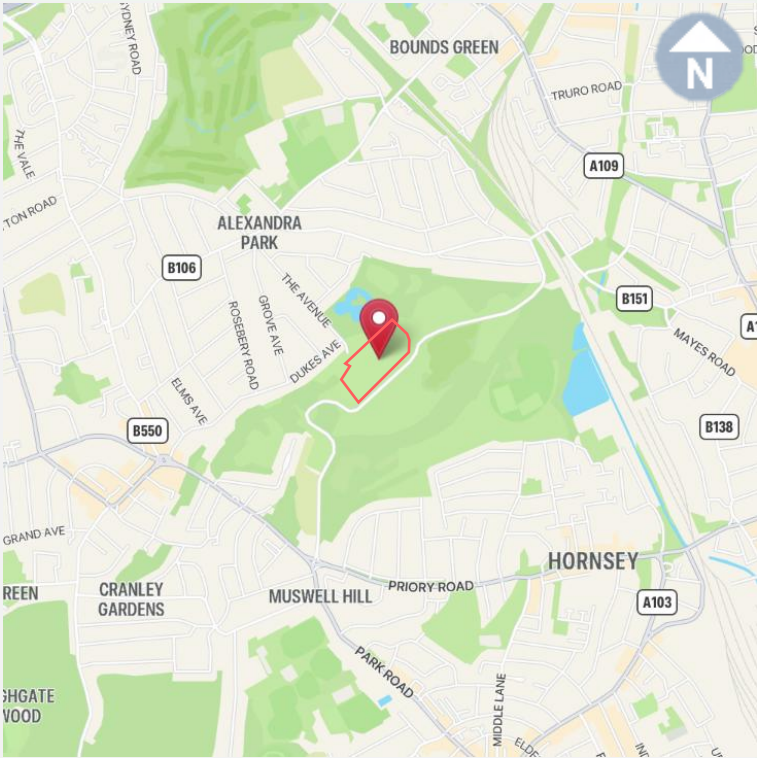
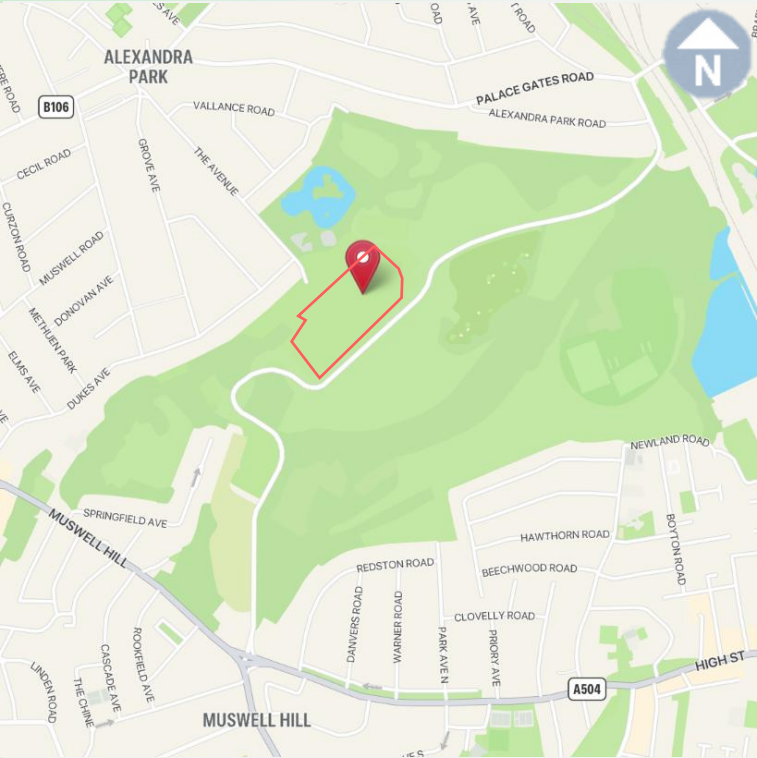
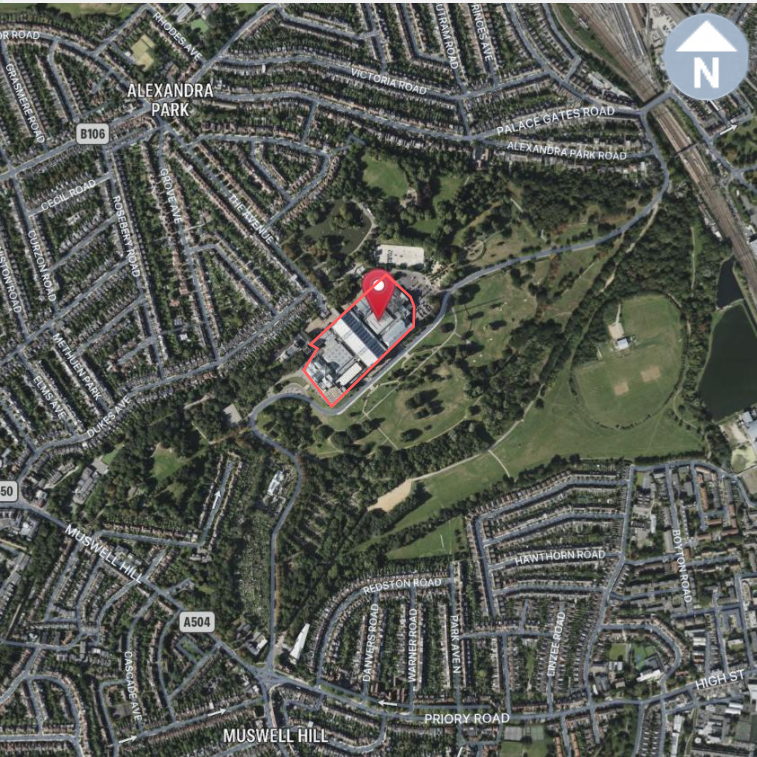




CSR / Site ID	4582	Project No.	FIWS2622
Customer / Site	Alexandra Palace		
Project Name	Design Report		
Address	Alexandra Palace, Alexandra Palace Way, London, N22 7AY		



NGR	TQ296900
OS X	529610
OS Y	190071
Survey date	07/05/2025
Design Contact	David Sayer Senior Design Engineer e: David.Sayer@freshwavegroup.com m: +44 7860 931610
Virgin Media O2 Contact	Moataz Halawa Radio Lead m: +44 (0) 7548 768654 e: moataz.halawa@virginmediao2.co.uk
Site access contact	Iain McDonald Head of Property and Facilities t 020 8365 4334 e: iain.mcdonald@alexandrapalace.com / security.control@alexandrapalace.com



Document Reference	Revision	Description of Changes	Date	Author	Approved
FIWS2622_C4582_Alexandra Palace_Design Report	A	Original Submission	02/04/2026	David Sayer	Tom Dulley

Declaration of Conformity Summary – Ericsson Dot 4475



ICNIRP Public and Occupational Exposures Guidelines for Ericsson DOT 4475 (B1B3B78K)

Concerning the Ericsson DOT 4475 (B1B3B78K)

The Ericsson DOT 4475 units are NOT deemed to be touch-safe for General Public, and a touch safe cover for the DOT 4475 must be used if the units are mounted at 2.5m or lower to have the unit touch-safe for General Public.

If the Ericsson DOT 4475 units are installed above 2.5m, this is considered as Occupational Limit and consequently extra measures are not needed.

Antenna Name	Height	Snap on Cover Required?
4G/5G S1-ANT 1 - 3	2.5m or above	No
4G/5G S2-ANT 1 - 3	2.5m or above	No
4G/5G S3-ANT 1 - 4	2.5m or above	No
4G/5G S4-ANT 1	2.5m or above	No
4G/5G S5-ANT 5	2.5m or above	No
4G/5G S6-ANT 1	2.5m or above	No

This document and any information contained therein is intended for the sole use of the employees and customers of Freshwave Group Limited only. No part of this document may be reproduced or transmitted to a third party in any form or means without prior written consent of Freshwave Group Limited.

ICNIRP Sign Off



50 Cowcross St., London, England, EC1M 3HP
Tel: +44 333 00 66 100
Web: www.freshwavegroup.com
Copyright © 2025

Client:



Site Details:
C4582
Alexandra Palace

Site Address:
Alexandra Palace Way,
London,
N22 7AY

Title:
Design Report

Drawing No:
C4582 Alexandra Palace_Design
Report

Drawn: DS	Checked: TD	Sheet: 2	Rev: C	Date: 15/05/2026	Scale: NTS	Paper: A3
--------------	----------------	-------------	-----------	---------------------	---------------	--------------

Drawing History:

Rev:	Date:	Description:
A	15/05/2026	Original submission



Declaration of Conformity (DoC)

ICNIRP Public and Occupational Exposures Guidelines for Ericsson DOT 4475 (B1B3B78K)

Concerning the Ericsson DOT 4475 (B1B3B78K)

The Ericsson DOT 4475 units are NOT deemed to be touch-safe for **General Public**, and a touch safe cover for the DOT 4475 must be used if the units are mounted at 2.5 m or lower to have the unit touch-safe for General Public.

Please refer to the Datasheet and Installation Instruction for the Snap-on Cover of the RD4475B78K in the next pages.

If the Ericsson DOT 4475 units are installed above 2.5m, this is considered as Occupational Limit and consequently extra measures are not needed.

It is highly recommended that the DOT units are installed above 2.5m as much as possible.

ICNIRP Sign Off



Client:



Site Details:
C4582
Alexandra Palace

Site Address:
Alexandra Palace Way,
London,
N22 7AY

Title:
Design Report

Drawing No:
C4582 Alexandra Palace_Design
Report

Drawn: DS	Checked: TD	Sheet: 3	Rev: C	Date: 15/05/2026	Scale: NTS	Paper: A3
--------------	----------------	-------------	-----------	---------------------	---------------	--------------

Drawing History:

Rev:	Date:	Description:
A	15/05/2026	Original submission

Dot 4475



- Compact design
→ 1.8 L / 1.5 kg
- Most energy efficient
→ < 55 W
- Supports fiber and hybrid fiber cable with the RFX unit
- CAT-6A 100m support
- High capacity for 2G+3G+4G+5G
→ 100 MHz IBW on TDD band
→ Full band IBW on FDD bands
- Compatible with IRU 16xx for multi-operator and high capacity
- Compatible with IRU 8848 for lowest triple-band TCO
- Multi-operator use cases

High-capacity triple-band multi-RAT Dot

Max Throughput:	~ 3 Gbps
RAT:	NR, LTE, WCDMA, GSM
IBW/TCBW:	100 + 60 + 75 MHz
Output power:	4x24 dBm (4x250 mW) TDD 4x21 dBm (4x125 mW) FDD
MIMO:	4T4R TDD, 2x 2T2R FDD
Antennas:	8 built-in omni-directional
Total Antenna BW:	670 MHz
Type of cooling:	Passive
Mounting:	ceiling / wall mounting
Dimensions:	210 mm diameter
Operational temp:	+5°C to +40°C (41°F to 104°F)

Product colour: Gray; NCS S 1002-B

Product dimensions:
67mm (height)
210mm (width)
210mm (depth)

Volume 2L
Weight: 1.60kg

This document and any information contained therein is intended for the sole use of the employees and customers of Freshwave Group Limited only. No part of this document may be reproduced or transmitted to a third party in any form or means without prior written consent of Freshwave Group Limited.

ICNIRP Sign Off



50 Cowcross St., London, England, EC1M 3HP
Tel: +44 333 00 66 100
Web: www.freshwavegroup.com
Copyright © 2025

Client:



Site Details:

C4582
Alexandra Palace

Site Address:

Alexandra Palace Way,
London,
N22 7AY

Title:

Design Report

Drawing No:

C4582 Alexandra Palace_Design
Report

Drawn: DS	Checked: TD	Sheet: 4	Rev: C	Date: 15/05/2026	Scale: NTS	Paper: A3
--------------	----------------	-------------	-----------	---------------------	---------------	--------------

Drawing History:

Rev:	Date:	Description:
A	15/05/2026	Original submission

Specifications

Ericsson Dot - Dot 4475 Shroud

Please Note:
Ericsson DOT 4475 units are NOT deemed to be touch-safe for General Public, and a touch safe cover for the DOT 4475 must be used if the units are mounted at 2.5m or lower to have the unit touch-safe for General Public. If the Ericsson DOT 4475 units are installed above 2.5m, this is considered as Occupational Limit and consequently extra measures are not needed.

Function Description

The Snap On Cover is a toolless installation product that together with the dot make a solid and clean installation.



PRODUCT NAME		PRODUCT NUMBER		
Snap On Cover Dot 4475		SDD 513 1591/1		
CONSIST OF		Quantity		
Snap On Cover		1pcs		
Snap Clips		4pcs		
MECHANICAL DATA				
Material for cover		PC/ABS		
Material for snap part		PA46-GF30		
Color		NCS S 1002-B		
Flammability rating		UL94 V-0 @ 2mm		
ENVIRONMENTAL				
Operation Temperature		-10°C to + 80°C		
PRODUCT DIMENSIONS		LENGTH	WIDTH	HEIGHT
SDD 513 1591/1		251mm	251mm	30mm
WEIGHT		270g		
PACKAGE DIMENSIONS		LENGTH	WIDTH	HEIGHT
SDD 513 1591/1		260mm	260mm	35mm
WEIGHT		275g		

The Verification is done in accordance to

- Compliance to RoHS 2&3 (2011/65/EU&2015/863/EU)
- EMF Touch compliance as per EN/IEC 62232:2017

This document and any information contained therein is intended for the sole use of the employees and customers of Freshwave Group Limited only. No part of this document may be reproduced or transmitted to a third party in any form or means without prior written consent of Freshwave Group Limited.

ICNIRP Sign Off

 **FreshWave**
You're on

50 Cowcross St., London, England, EC1M 3HP
Tel: +44 333 00 66 100
Web: www.freshwavegroup.com
Copyright © 2025

Client:



Site Details:				Site Address:			
C4582 Alexandra Palace				Alexandra Palace Way, London, N22 7AY			
Title: Design Report				Drawing No: C4582 Alexandra Palace_Design Report			
Drawn: DS	Checked: TD	Sheet: 5	Rev: C	Date: 15/05/2026	Scale: NTS	Paper: A3	
Drawing History:							
Rev:	Date:	Description:					
A	15/05/2026	Original submission					