

Test report

Number T251-0508/25

Project file: C20242750

Date: 2025-07-14

Pages: 7

Product: Wireless charger

Type reference: buzzard bird40A

Ratings: Input: WPT (Magnetic field)
Output: 18 – 60 V d.c.
Class III

Trademark: multipowr

Applicant: Multipowr NV
Finlandstraat 11, 9940 Evergem, Belgium

Manufacturer: Multipowr NV
Finlandstraat 11, 9940 Evergem, Belgium

Place of manufacture: Simonyi Technology
Hunyadi út 28, 2699 Szugy, Hungary

Summary of testing

Testing method: Antenna pattern measurements

Testing location: SIQ Ljubljana
Mašera-Spasičeva ulica 10, SI-1000 Ljubljana, Slovenia

Remarks: Date of receipt of test items: 2025-02-10
Number of items tested: 1
Date of performance of tests: 2025-06-16
The test results presented in this report relate only to the items tested.
The test items were tested in the condition as received.
The product complies with the requirements of the testing methods.

Tested by: Luka Cvajnar

Approved by: Marjan Mak



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1 GENERAL

History sheet			
Date	Report No.	Change	Revision
2025-07-14	T251-0508/25	Initial Test Report issued.	--

Environmental conditions:

Ambient temperature: 15 °C to 35 °C

Relative humidity: 30 % to 60 %

Atmospheric pressure: 860 mbar to 1060 mbar

1.1 Equipment under test

Wireless charger

Type: **buzzard bird40A**

FCC ID: **2BOHG-B04000001**

Contains FCC ID: **A8TBM78ABCDEFGH**

Device is a wireless charger for industrial trolleys.

Equipment Description

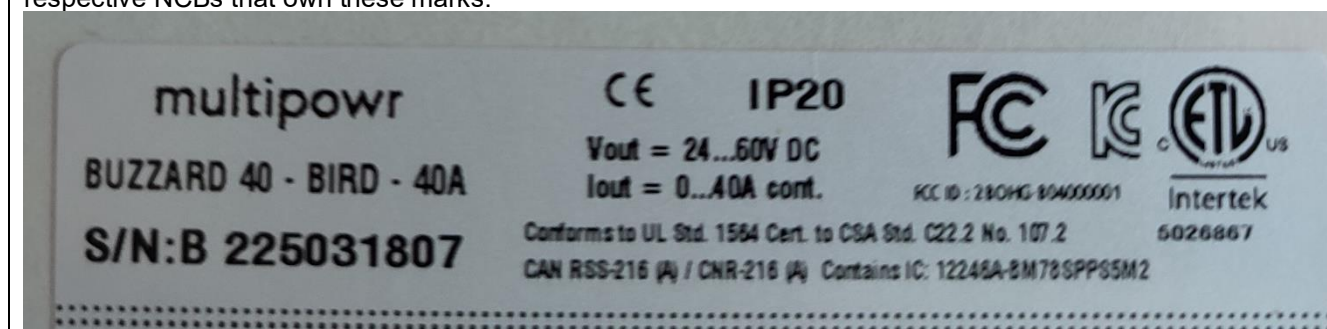
Hardware version :	Rev 5.0
Firmware version :	2.1.1.7
SIQ tested number :	S202500837
Operating frequency:	290 kHz and 330 kHz
One/two/three phase EUT:	Battery powered 20 -58 V d.c.
Floor standing / table-top equipment or a combination:	Floor standing
Built in BLE module	
Manufacturer:	Microchip Technology Inc.
Type	RN4678
Hardware version:	Rev 1.0/ 1522
Firmware version:	1.005

EUT Internal Frequencies

Frequency	Description
290&330 kHz	NFC Transmitter
2.4835 GHz	Bluetooth 5.0 module

Copy of marking plates (examples):

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.





1.2 Antenna pattern measurement

1.2.1 Test procedure

The radiation pattern at 290 kHz and 330 kHz has been measured in an anechoic chamber with 3 meters test distance. Test results show maximum radiation pattern.

1.3 Test results

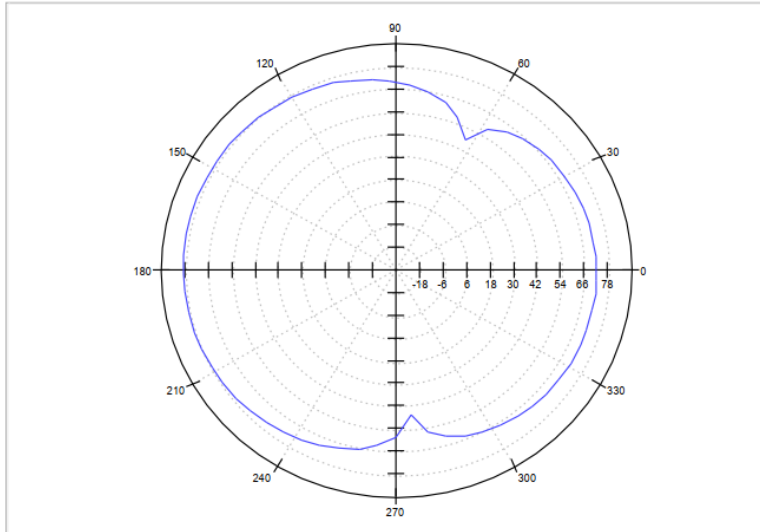
EUT Information

EUT: BIRD40A
Operating Mode: TX: 290 kHz
Antenna polarization: Coaxial

AziChart MinMax Eval

Frequency (MHz)	Max. Value (dBμV/m)	Azimuth max. (deg)	Pol max.	Min. Value (dBμV/m)	Azimuth min. (deg)	Pol min.
0.290000	78.93	170	H	46.80	276	H

Azimuth Chart: Horizontal



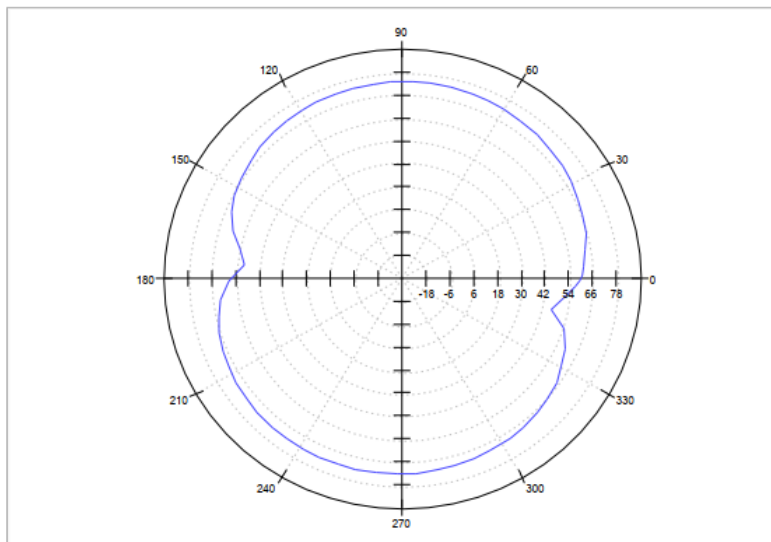
EUT Information

EUT: BIRD40A
Operating Mode: TX: 290 kHz
Antenna polarization: Coplanar

AziChart MinMax Eval

Frequency (MHz)	Max. Value (dBμV/m)	Azimuth max. (deg)	Pol max.	Min. Value (dBμV/m)	Azimuth min. (deg)	Pol min.
0.290000	73.03	87	H	47.21	348	H

Azimuth Chart: Horizontal





EUT Information

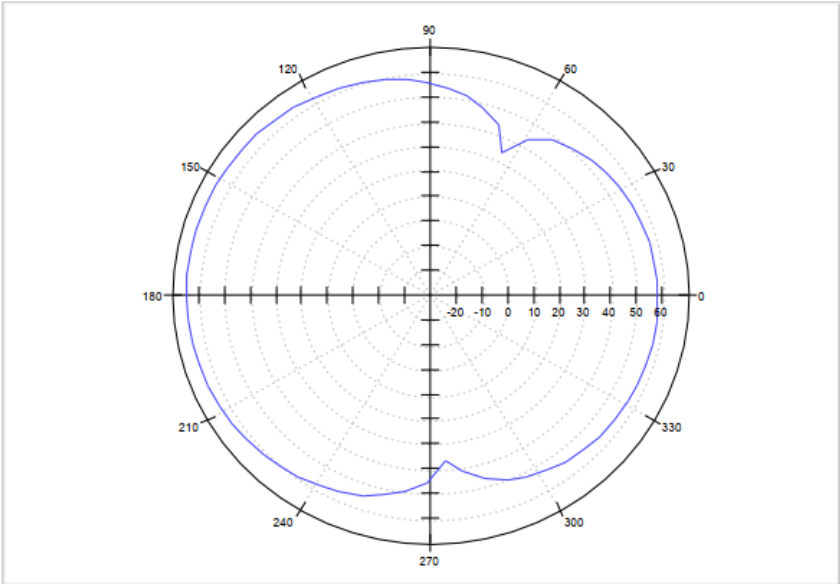
EUT:
Operating Mode:
Antenna polarization:

BIRD40A
TX: 330 kHz
Coaxial

AziChart MinMax Eval

Frequency (MHz)	Max. Value (dBμV/m)	Azimuth max. (deg)	Pol max.	Min. Value (dBμV/m)	Azimuth min. (deg)	Pol min.
0.330000	64.79	175	H	33.84	64	H

Azimuth Chart: Horizontal



EUT Information

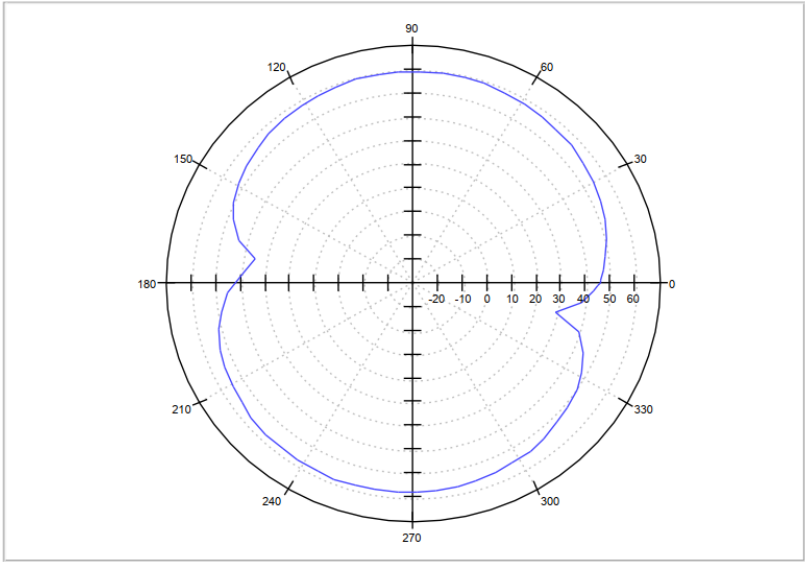
EUT:
Operating Mode:
Antenna polarization:

BIRD40A
TX: 330 kHz
Coplanar

AziChart MinMax Eval

Frequency (MHz)	Max. Value (dBμV/m)	Azimuth max. (deg)	Pol max.	Min. Value (dBμV/m)	Azimuth min. (deg)	Pol min.
0.330000	58.91	82	H	29.06	348	H

Azimuth Chart: Horizontal



2 USED TEST EQUIPMENT

Manufacturer	Model No.	Used	Calibrated	Calibrated until
Comtest engineering, SAC2 (together with controlling equipment)	SAC 3m	X	2025-03-27	2028-03-27
Maturo, Turn table (2 m diameter)	TT 2.0 SI	X	/	/
Maturo, Bore-sight antenna mast	BAM-4.0-P	/	/	/
Maturo, positioning equipment	NCD	X	/	/
Rohde & Schwarz, RFI receiver	ESW 44		2024-09-26	2026-03-26
Schwarzbeck, Loop Antenna	FMZB 1519 B	X	2024-09-18	2026-03-18

-----END OF TEST REPORT-----