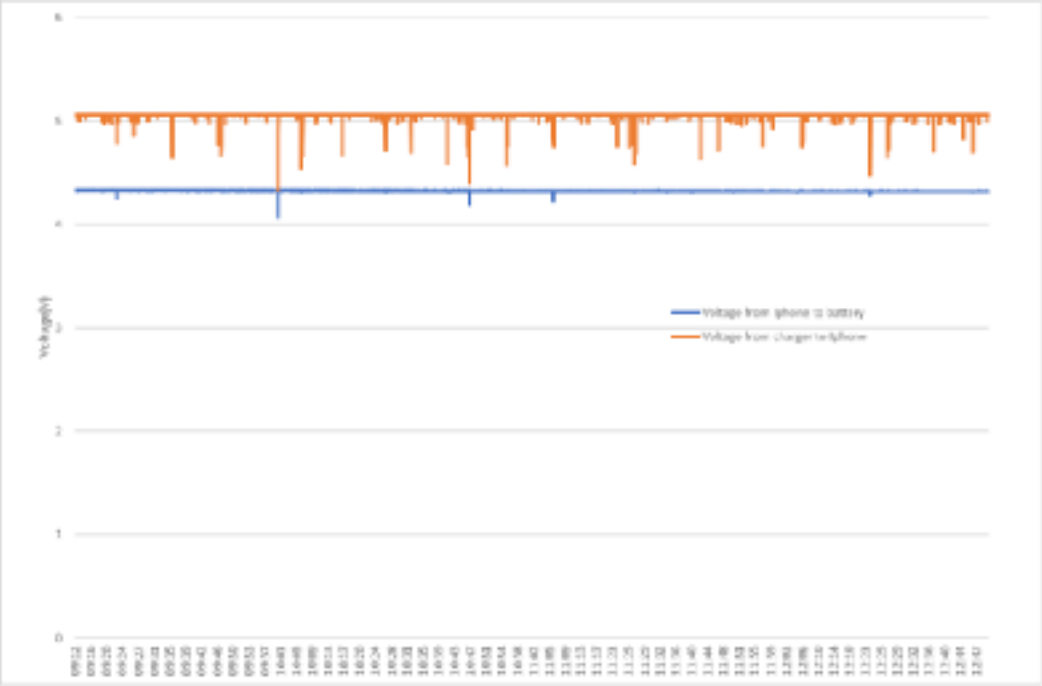
Dokumentasjon

- Telefonen din kutter ikke spenningen når batteriet er fulladet.

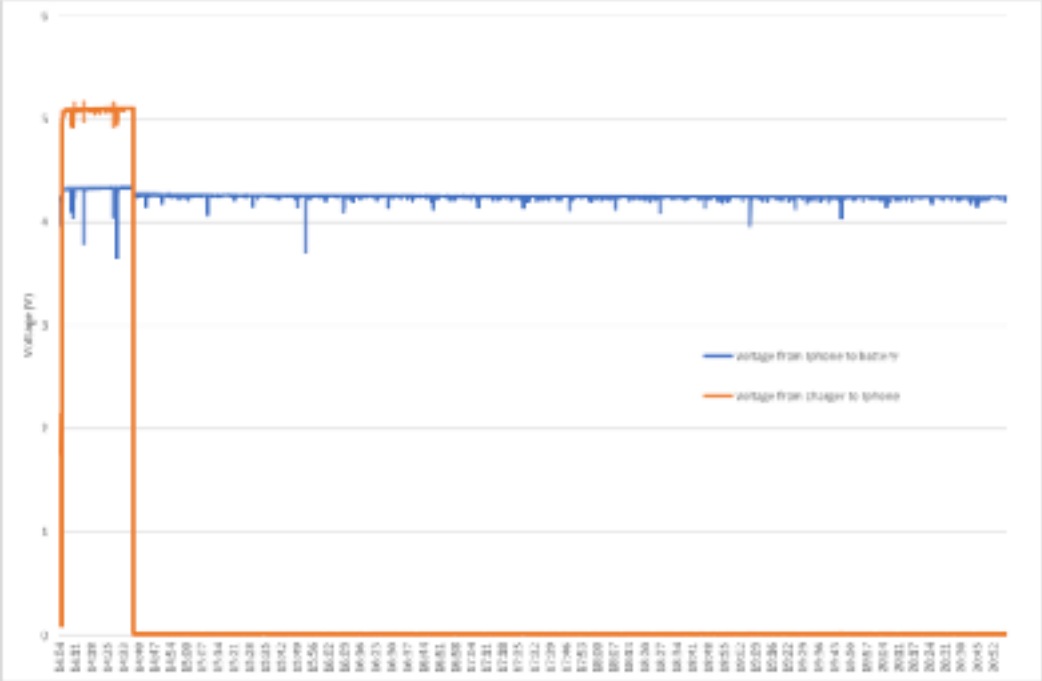
Det sies ofte at telefonen selv kutter spenningen når batteriet er fulladet. Dette stemmer ikke.

Under følger et utdrag fra rapporten Polytec / Gas and material technology T-18035-R001. Prosjektet ble gjennomført på bestilling av apias AS, med delfinansiering fra VRI-ordningen. Hele rapporten oversendes ved ønske/forespørsel.



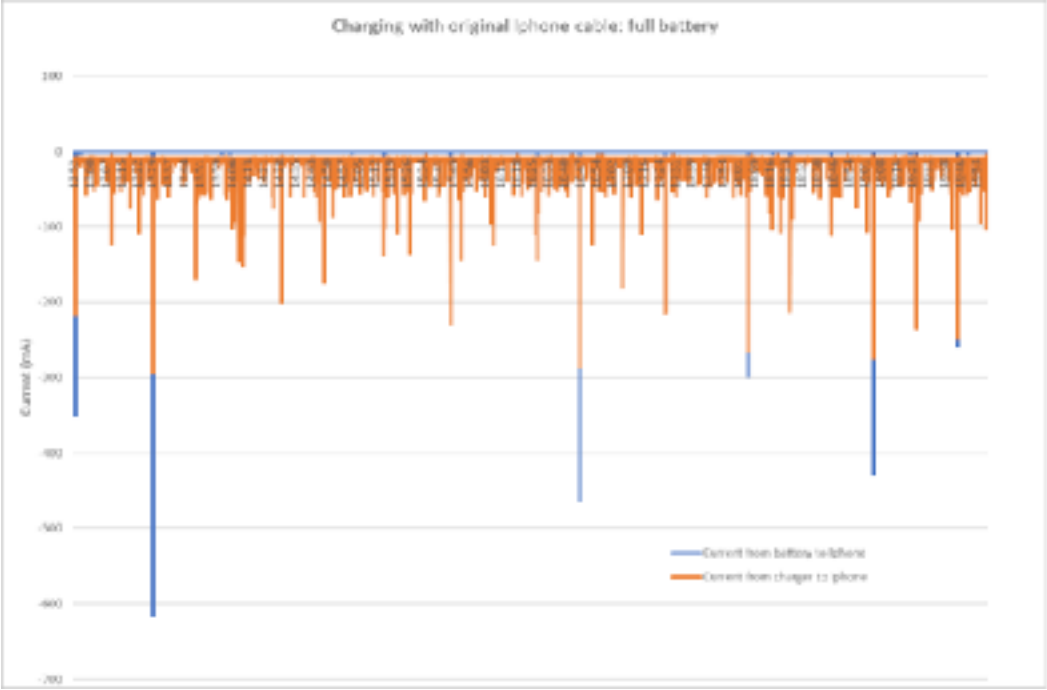
Tradisjonell kabel

Volt (Spenning): Datapunktene viser at spenningen holdes konstant etter at batteriet er fulladet ved bruk av tradisjonell ladekabel.



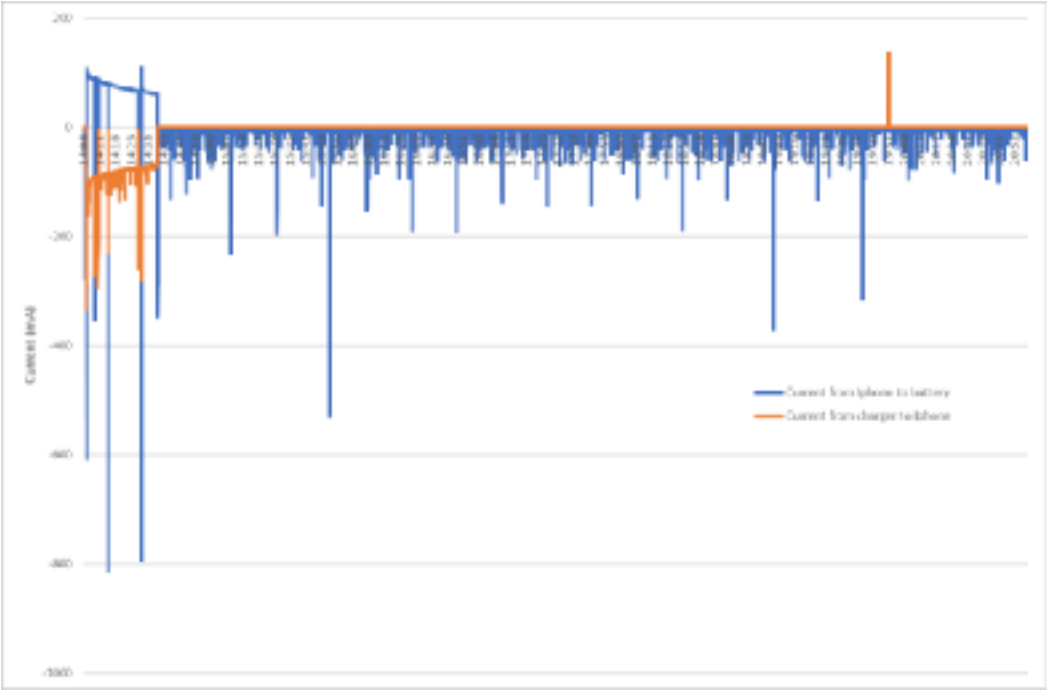
apias-kabel

Volt (Spenning): Datapunktene viser at spenningen kuttes etter at batteriet er fulladet ved bruk av apias sin ladekabel.



Tradisjonell kabel

Ampere (Strøm): Datapunktene viser at det er kontinuerlig tilførsel av strøm fra lader til batteri. Tilsvarende går det strøm fra batteriet til telefonen. Dette viser at batteriet ikke er koblet ut av kretsen når det er fulladet.



apias-kabel

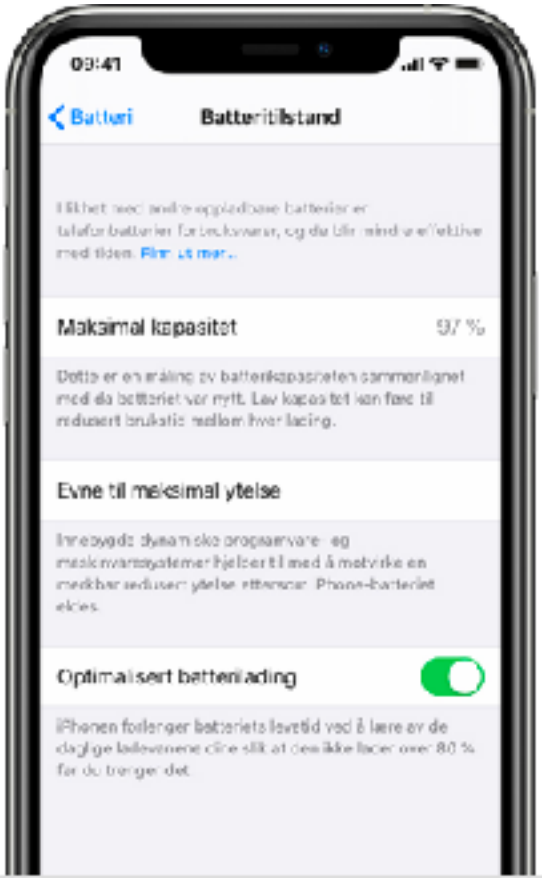
Ampere (Strøm): Datapunktene viser at det ikke er kontinuerlig tilførsel av strøm fra lader til batteri ved bruk av apias sin ladekabel.

Optimalisert batterilading - iPhone

Apple har anerkjent problemet med overlading og har i den anledning implementert en funksjon som heter "Optimalisert lading". Det betyr at telefonen vil bremse ladingen fra 80%, for å redusere tiden batteriet er tilkoblet lader etter 100%. Dette er et steg i riktig retning, men ikke en endelig løsning for å ivareta batterihelsen.

«Levetiden til et batteri henger sammen med den kjemiske alderen, som består av mer enn bare hvor lang tid som har gått siden batteriet ble produsert. Den kjemiske alderen til et batteri er resultatet av en kompleks kombinasjon av flere faktorer, blant annet temperaturhistorikk og lademønster. Alle oppladbare batterier er forbrukskomponenter som blir mindre effektive når de eldes kjemisk. Når litium-ion-batterier eldes kjemisk, minker mengden ladning de kan holde på, noe som fører til redusert batteritid og dårligere toppytelse.

Optimalisert batterilading i iOS 13 og nyere er utformet for å redusere slitasje på batteriet og øke batterilevetiden ved å redusere hvor lenge iPhone er fulladet.»



Kilde: https://support.apple.com/no-no/HT210512

Sertifiseringer - CE og FCC

TCT

Certificate of Compliance

Certificate No. : TCT190529E005C

Applicant : Apias AS

Address : Apias AS, Austbøvegen 16, 5542 Karmsund, Norway

Manufacturer : Apias AS

Address : Apias AS, Austbøvegen 16, 5542 Karmsund, Norway

Product : Apias Smart Lightning Cable

Model No. : AP2L20, AP2L12

Trade mark : N/A

The above products have been tested by us with listed standards and found in compliance with the council EMC 2014/30/EU. It is possible to use CE marking to demonstrate the compliance with this EMC.

Test standards:	Report(s) Number	Issued By	Issued Date
EN 55032:2015 EN 55035:2017	TCT190529E005	TCT	Jun. 04, 2019

The statement is based on a single evaluation of one sample of above mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab logo.

Tomsin

Tomsin/Senior Engineer

Jun. 04, 2019

Shenzhen TCT Testing Technology Co.,Ltd.

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 Http://www.tct-lab.com

TCT

Supplier Declaration of Conformity

TCT190529E006C

This declaration that the following designated product

Apias Smart Lightning Cable
Model No: AP2L20, AP2L12

(Product Identification)

It is herewith confirmed and found to comply with the requirements set up by regulation for the evaluation of electromagnetic compatibility.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference , and

(2) this device must accept any interference received, including interference that may cause undesired operation.

This declaration is the responsibility of the manufacturer/importer

Apias AS
Apias AS, Austbøvegen 16, 5542 Karmsund, Norway

Identification of regulation: 47 CFR Part 15 Subpart B Class A, Measurement Procedure: ANSI C63.4: 2014. It is only valid in connection with the test report number: **TCT190529E006**.

TEST LABORATORY

This is the results of test that was carried out from the submitted type-samples of a product in conformity with the specification of the respective standards.

Authorized Signer: Tomsin/Senior Engineer

Date: **Jun. 04, 2019**

This declaration is only valid for the equipment and configuration described, in conjunction with the test data detailed above.

Shenzhen TCT Testing Technology Co.,Ltd.

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 Http://www.tct-lab.com

TCT

Certificate of Compliance

Certificate No. : TCT200310E013C

Applicant : apias AS

Address : Austbøvegen 16, 5542 Karmsund, Norway

Manufacturer : apias AS

Address : Austbøvegen 16, 5542 Karmsund, Norway

Product : Apias Smart Type-C Cable

Model No. : AP2C

Trade mark : N/A

The above products have been tested by us with listed standards and found in compliance with the council EMC 2014/30/EU. It is possible to use CE marking to demonstrate the compliance with this EMC.

Test standards:	Report(s) Number	Issued By	Issued Date
EN 55032:2015 EN 55035:2017	TCT200310E013	TCT	Mar. 16, 2020

The statement is based on a single evaluation of one sample of above mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab logo.

Tomsin

Tomsin/Senior Engineer

Mar. 16, 2020

Shenzhen TCT Testing Technology Co.,Ltd.

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 Http://www.tct-lab.com

TCT

Supplier Declaration of Conformity

TCT200310E014C

This declaration that the following designated product

Apias Smart Type-C Cable
Model No: AP2C

(Product Identification)

It is herewith confirmed and found to comply with the requirements set up by regulation for the evaluation of electromagnetic compatibility.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference , and

(2) this device must accept any interference received, including interference that may cause undesired operation.

This declaration is the responsibility of the manufacturer/importer

apias AS
Austbøvegen 16, 5542 Karmsund, Norway

Identification of regulation: 47 CFR Part 15 Subpart B Class B, Measurement Procedure: ANSI C63.4: 2014. It is only valid in connection with the test report number: **TCT200310E014**.

TEST LABORATORY

This is the results of test that was carried out from the submitted type-samples of a product in conformity with the specification of the respective standards.

Authorized Signer: Tomsin/Senior Engineer

Date: **Mar. 16, 2020**

This declaration is only valid for the equipment and configuration described, in conjunction with the test data detailed above.

Shenzhen TCT Testing Technology Co.,Ltd.

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 Http://www.tct-lab.com