



# FCC Test Report

**FCC ID** : ZE9-TCAW7CM  
**Product** : Magnetic Charging Cable  
**Trade mark** : S A T E C H I  
**Model Name** : ST-TCAW7CM  
**Applicant** : SARIANA LLC  
**Date of Issue** : July 21, 2020  
**Report No** : S20080601405001-01

**Prepared for**

SARIANA LLC

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**Prepared by**

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**TEST RESULT CERTIFICATION**

**Applicant's name** ..... : SARIANA LLC  
Address..... : 7365 Mission Gorge Road Suite G, San Diego, CA 92120  
U.S.A.

**Manufacturer's Name** ..... : SARIANA LLC  
Address..... : 7365 Mission Gorge Road Suite G, San Diego, CA 92120  
U.S.A.

**Product description**

Product name ..... : Magnetic Charging Cable  
Model and/or type reference ... : ST-TCAW7CM

**Date of Test** ..... :  
Date (s) of performance of tests ..... : July 17.2020 ~ July 21.2020  
Date of Issue ..... : July 21.2020  
Test Result..... : **Pass**

Testing Engineer : Eder Zhan  
(Eder Zhan)

Technical Manager : Jason Chen  
(Jason Chen)

Authorized Signatory : Sam Chen  
(Sam Chen)

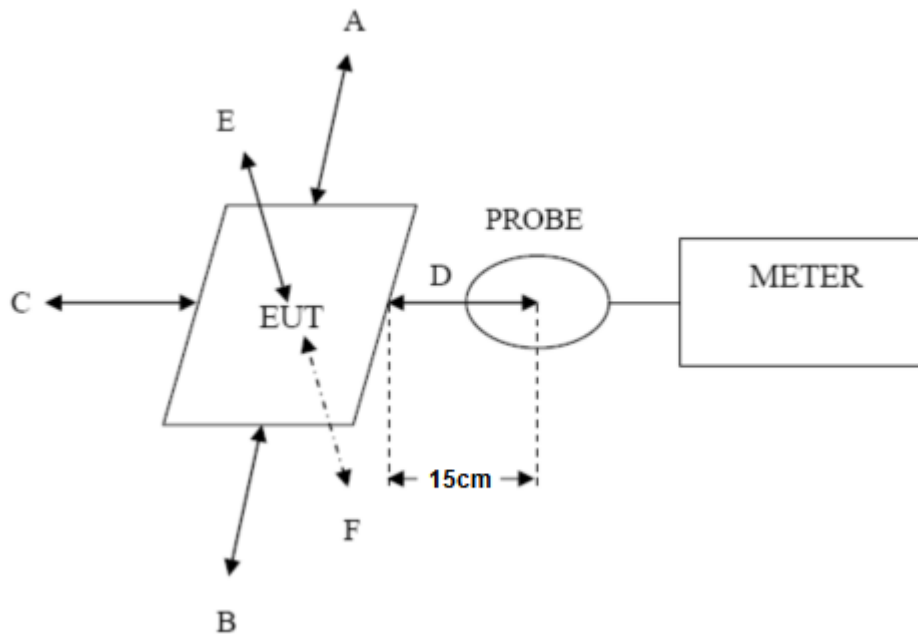
## 1.Measuring Standard

FCC Part 1(1.1310) and Part 2(2.1091)

### 1.1 Test configuration

1. The field strength of both E-field and H-field was measured at 15cm using the equipment list above for determining compliance with the MPE requirements of FCC Part 1.1310.
2. The RF power density was measured at Under maximum load test
3. Maximum E-field and H-field measurements were made 15cm from each side of the EUT. Along the side of the EUT and still 15cm away from the edge of the EUT, the field probes were positioned at the location where there is maximum field strength. The maximum E-field and H-field is reported below.
4. This device uses a wireless charging circuit for power transfer operating at the frequency of 110 –205kHz. Thus, the 300kHz limits were used: E-field Limit = 614 (V/m); H-field limit = 1.63 (A/m).

### 1.2 Test Setup



## 2. Limits

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	Averaging time (minutes)
<b>(A) Limits for Occupational/Controlled Exposure</b>				
0.3-3.0	614	1.63	*100	6
3.0-30	1842/f	4.89/f	*900/f <sup>2</sup>	6
30-300	61.4	0.163	1.0	6
300-1,500			f/300	6
1,500-100,000			5	6
<b>(B) Limits for General Population/Uncontrolled Exposure</b>				
0.3-1.34	614	1.63	*100	30
1.34-30	824/f	2.19/f	*180/f <sup>2</sup>	30
30-300	27.5	0.073	0.2	30
300-1,500			f/1500	30
1,500-100,000			1.0	30

f = frequency in MHz \* = Plane-wave equivalent power density

## 3. MEASURING DEVICE AND TEST EQUIPMENT

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Electric and Magnetic Field Probe - Analyzer	Narda	EHP-200A	/	May 15, 2021	1 Year
Adapter	N/A	SAW30-120-2500U	N/A	N/A	N/A
Load	N/A	N/A	N/A	N/A	N/A

#### 4. Measuring Results

EUT	Magnetic Charging Cable	Model Name. :	ST-TCAW7CM
Temperature:	24.6 °C	Relative Humidity:	55%
Pressure:	1010hPa	Test Date:	2020-07-22
Test Voltage:	Output :DC 5V,Input Adapter AC 120/60Hz		
Test Result:	Pass		

E-Field Strength at 10 cm surrounding the EUT and 15cm above the top surface of the EUT							
EUT Side	Frequency Range (KHz)	Probe B (V/m)	Probe A (V/m)	Probe C (V/m)	Probe D (V/m)	Probe E (V/m)	Limits (V/m)
Full load	100~205	0.15	0.15	0.15	0.14	1.61	614
Half load	100~205	0.13	0.13	0.14	0.13	1.57	
Null load	100~205	0.13	0.14	0.14	0.13	1.19	

H-Field Strength at 10 cm surrounding the EUT and 15cm above the top surface of the EUT							
EUT Side	Frequency Range (KHz)	Probe B (A/m)	Probe A (A/m)	Probe C (A/m)	Probe D (A/m)	Probe R (A/m)	Limits (A/m)
Full load	100~205	0.15	0.15	0.15	0.15	0.49	1.63
Half load	100~205	0.13	0.12	0.13	0.13	0.33	
Null load	100~205	0.12	0.12	0.12	0.12	0.28	

Remark: The device meets the mobile RF exposure limit at a 15cm separation distance as specified in §2.1091 of the FCC Rules.

Note: Only the worst case modes is recorded in the report.

**5.TEST SETUP**



\*\*\*\*\* End of Report \*\*\*\*\*