

MAXIMUM PERMISSIBLE EXPOSURE EVALUATION REPORT

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Product Name: DC Charging Station

FCC ID: 2BS9EANSIDC

Standard(s): 47 CFR §1.1310, 47 CFR §2.1091,
47 CFR §15.247(i)

Report Number: 2502X20431E-RF-00C

Report Date: 2025/12/10

The above device has been tested and found compliant with the requirement of the relevant standards by Bay Area Compliance Laboratories Corp. (Dongguan).

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2502X20431E-RF-00C	Original Report	2025/12/10

1. GENERAL INFORMATION

1.1 General Description Of Equipment under Test

EUT Name:	DC Charging Station
EUT Model:	ANSI-DCL360B
Multiple Model:	ANSI-DCL350B, ANSI-DCL330B, ANSI-DCL300B, ANSI-DCL270B, ANSI-DCL250B, ANSI-DCL240B, ANSI-DCL210B, ANSI-DCL200B, ANSI-DCL180B, ANSI-DCL160B, ANSI-DCL150B, ANSI-DCL125B, ANSI-DCL120B, ANSI-DCL100B, ANSI-DCL090B, ANSI-DCL060B, ANSI-DCL050B, ANSI-DCL040B, ANSI-DCL060A, ANSI-DCL050A, ANSI-DCL030A
Rated Input Voltage:	480Vac
EUT Received Date:	2025/10/23
EUT Received Status:	Good
Note: The multiple models are electrically identical with the test model. Please refer to the declaration letter for more detail, which was provided by manufacturer.	

2. RF EXPOSURE EVALUATION (MPE)

2.1 RF Exposure Evaluation

2.1.1 Applicable Standard

According to subpart 15.247(i), and subpart §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (minutes)
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f ²)	30
30–300	27.5	0.073	0.2	30
300–1500	/	/	f/1500	30
1500–100,000	/	/	1.0	30

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

According to §1.1310 and §2.1091 RF exposure is calculated.

2.1.2 Calculation formula

Prediction of power density at the distance of the applicable MPE limit

$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm²);

P = power input to the antenna (in appropriate units, e.g., mW);

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

For simultaneously transmit system, the calculated power density should comply with:

$$\sum_i \frac{S_i}{S_{Limit,i}} \leq 1$$

2.1.3 Calculated Data:

Operation Modes	Frequency (MHz)	Antenna Gain [▲]		Conducted output power including Tune-up Tolerance [▲]		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
		(dBi)	(numeric)	(dBm)	(mW)			
2.4G Wifi	2412-2462	1.7	1.48	24.5	281.84	20.00	0.083	1.0
WCDMA B2	1850-1910	0.21	1.05	25.0	316.23	20.00	0.066	1.0
WCDMA B4	1710-1755	-2.18	0.61	25.0	316.23	20.00	0.038	1.0
WCDMA B5	824-849	-0.04	0.99	25.0	316.23	20.00	0.062	0.6
LTE B2	1850-1910	0.21	1.05	25.0	316.23	20.00	0.066	1.0
LTE B4	1710-1755	-2.18	0.61	25.0	316.23	20.00	0.038	1.0
LTE B5	824-849	-0.04	0.99	25.0	316.23	20.00	0.062	0.6
LTE B12	699-716	0.01	1.00	25.0	316.23	20.00	0.063	0.5
LTE B13	777-787	-2.2	0.60	25.0	316.23	20.00	0.038	0.5
LTE B14	704-716	0.01	1.00	25.0	316.23	20.00	0.063	0.5
LTE B66	1710-1780	-2.18	0.61	25.0	316.23	20.00	0.038	1.0
LTE B71	663-698	-0.78	0.84	25.0	316.23	20.00	0.053	0.4
NFC	13.56	/	/	-47.18	0.00002	20.00	<<0.001	0.98

Note:

1. NFC field strength is 48.02dBμV/m @ 3m = -47.18 dBm(0.00002mW) EIRP. That equal to antenna gain is 0dBi and used the EIRP value as conducted power.

2. The device built in a certified WWAN module, FCC ID:XMR201909EC25AFX, certified on 2019/09/30.

Note:

The Antenna Gain and Conducted output power including Tune-up Tolerance provided by manufacturer.

2.4G Wifi and WWAN can transmit simultaneously with NFC:

$$\sum_i \frac{S_i}{S_{Limit,i}} \leq 1$$

$$= S_{2.4G\ Wifi} / S_{limit-2.4G\ Wifi} + S_{WWAN} / S_{limit- WWAN} + S_{NFC} / S_{limit- NFC}$$

$$= 0.083/1.0 + 0.053/0.4 + 0.001/0.98$$

$$= 0.22$$

$$< 1$$

Result: The device meet FCC MPE at 20 cm distance

EXHIBIT A - EUT PHOTOGRAPHS

Please refer to the attachment 2502X20431E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2502X20431E-RF-INP EUT INTERNAL PHOTOGRAPHS.

******* END OF REPORT *******