FCC RF Exposure Assessment Result

Product Name: Dhyana
Model No: AVDH18JA01
FCC ID: 2AUGNAVDH18JA01

1. General Information

Per KDB680106 D01 v03, for devices designed for typical desktop applications, such a wireless charging pads, RF exposure evaluation should be conducted assuming a user separation distance of 10 cm. E and H field strength measurements or numerical modeling may be used to demonstrate compliance. Measurements should be made from all sides and the top of the primary/client pair, with the 10 cm measured from the center of the probe(s) to the edge of the device. Emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1 of Section 1.1310: 614 V/m and 1.63 A/m.

2. Limit

Basic Restrictions Reference levels Basic restrictions for electric, magnetic and electromagnetic fields (0Hz to 300GHz)

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

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

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

3. Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Broadband Field meter	Nadar	NBM-550	E-0716	Nov.19,18	1 Year
2.	Probe	Nadar	EF-0391	D-0608	Nov.19,18	1 Year
3.	Probe	Nadar	EF-6092	A-0072	Nov.19,18	1 Year
4.	Probe	Nadar	HF-0191	D-0162	Nov.19,18	1 Year
5.	Field meter	Nadar	ELT-400	N-0163	Nov.19,18	1 Year
6.	ELT PROBE	Nadar	ELT PROBE	M-0609	Nov.19,18	1 Year

4. Assess Result

Product Name: Dhyana	M/N:AVDH18JA01
Test Engineer: Lynn Ruan	Test Date: 2019-11-18
Temperature：22.5±0.6 ℃ Humidity: 53.4±3.0 % Pressure: 101.4±1.0kpa	

B- field strength result (Test frequency range from 10Hz to 400KHz)					
Frequency Range	Position	Distance	B-field Strength (uT)(Max)	Limit (uT)	Result
10Hz-400KHz	Front	15cm	0.201	2.3	PASS
	Back	15cm	0.198	2.3	PASS
	Left	15cm	0.206	2.3	PASS
	Right	15cm	0.196	2.3	PASS
	Top	15cm	0.216	2.3	PASS
	Down	15cm	0.203	2.3	PASS
H- field strength result (Test frequency range from 300KHz to 30MHz)					
Frequency Range	Position	Distance	H-field Strength (A/m)(Max)	Limit (A/m)	Result
300KHz-30MHz	Front	15cm	0.0162	0.073	PASS
	Back	15cm	0.0157	0.073	PASS
	Left	15cm	0.0146	0.073	PASS
	Right	15cm	0.0150	0.073	PASS
	Top	15cm	0.0189	0.073	PASS
	Down	15cm	0.0145	0.073	PASS
H- field strength result (Test frequency range from 27MHz to 1GHz)					
Frequency Range	Position	Distance	H-field Strength (A/m)(Max)	Limit (A/m)	Result
27MHz-1GHz	Front	15cm	0.0078	0.073	PASS
	Back	15cm	0.0076	0.073	PASS
	Left	15cm	0.0089	0.073	PASS
	Right	15cm	0.0079	0.073	PASS
	Top	15cm	0.0096	0.073	PASS
	Down	15cm	0.0082	0.073	PASS

E- field strength result (Test frequency range from 100MHz to 60GHz)					
Frequency Range	Position	Distance	E-field Strength (V/m)	Limit(V/m)	Result
100MHz-60GHz	Front	15cm	0.07	0.2	PASS
	Back	15cm	0.06	0.2	PASS
	Left	15cm	0.09	0.2	PASS
	Right	15cm	0.06	0.2	PASS
	Top	15cm	0.10	0.2	PASS
	Down	15cm	0.06	0.2	PASS

Note: 1. The Assess distance is 15cm

2. The more tighter limit apply to each band