Test Report

FCC ID: 2AWX9-Q05W1

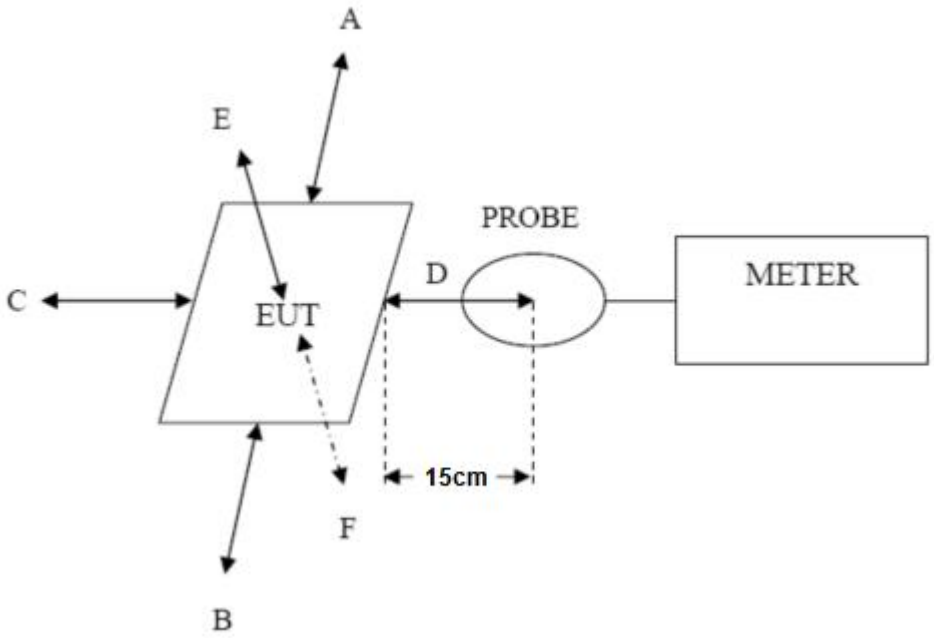
1.Measuring Standard

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^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. MEASURING DEVICE AND TEST EQUIPMENT

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
E-Field Probe(100kHz-3GHz)	Narda	EF0391	Q15221	May 15, 2021	1 Year
H-Field Probe(300KHz-30MHz)	Narda	HF3061	Q15835	May 16, 2021	1 Year
Broadband Field Meter	Narda	NBM-550	Q201455	May 16, 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	Wireless Charger	Model Name. :	KS-Q05W-1
Temperature:	24.6 ℃	Relative Humidity:	55%
Pressure:	1010hPa	Test Date:	2020-07-25
Test Voltage:	Input:DC 5V 1.5A . (total)Wireless Charger Output: 5W Max		
Test Result:	Pass		

E-Field Strength at 15 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	0.16	0.13	0.15	0.16	1.82	614
Half load	100~205	0.13	0.12	0.14	0.14	1.66	
Null load	100~205	0.2	0.15	0.12	0.16	1.38	

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	0.17	0.17	0.17	0.17	0.62	1.63
Half load	100~205	0.15	0.14	0.13	0.15	0.48	
Null load	100~205	0.13	0.15	0.13	0.13	0.36	

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.

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