RF EXPOSURE

1. Test Configuration and Mode

The field strength of both E-field and H-field were measured at 10 cm using RF exposure survey meter with E-field and H-field probes for determining compliance with the MPE requirements of FCC Part 1.1310
During measurements, the wireless charging pad(EUT) was wirelessly charging a battery housed inside a portable handset and was loaded with the client using the resistor as described below summary table for test modes and conditions,

The RF power density was measured with charge condition 1 000 mA(Max. charging current with 5 Ω resister).
These testing were performedat test configuration as test setup diagram on test result.
EUT was placed on a non-conductive turntable, and the portable handset with charging cover for charging a battery or client deivce uses a wireless charging circuit for power transfer operating at the frequency of 110 kHz ~ 205 kHz. Thus, the 300 kHz RF exposure limits were used as below table.

2. Test mode

This device has been tested with the below test modes and charging current conditions;

Charging Current	Support Equipment
1 000 mA (Max)	Wireless Charging Cover

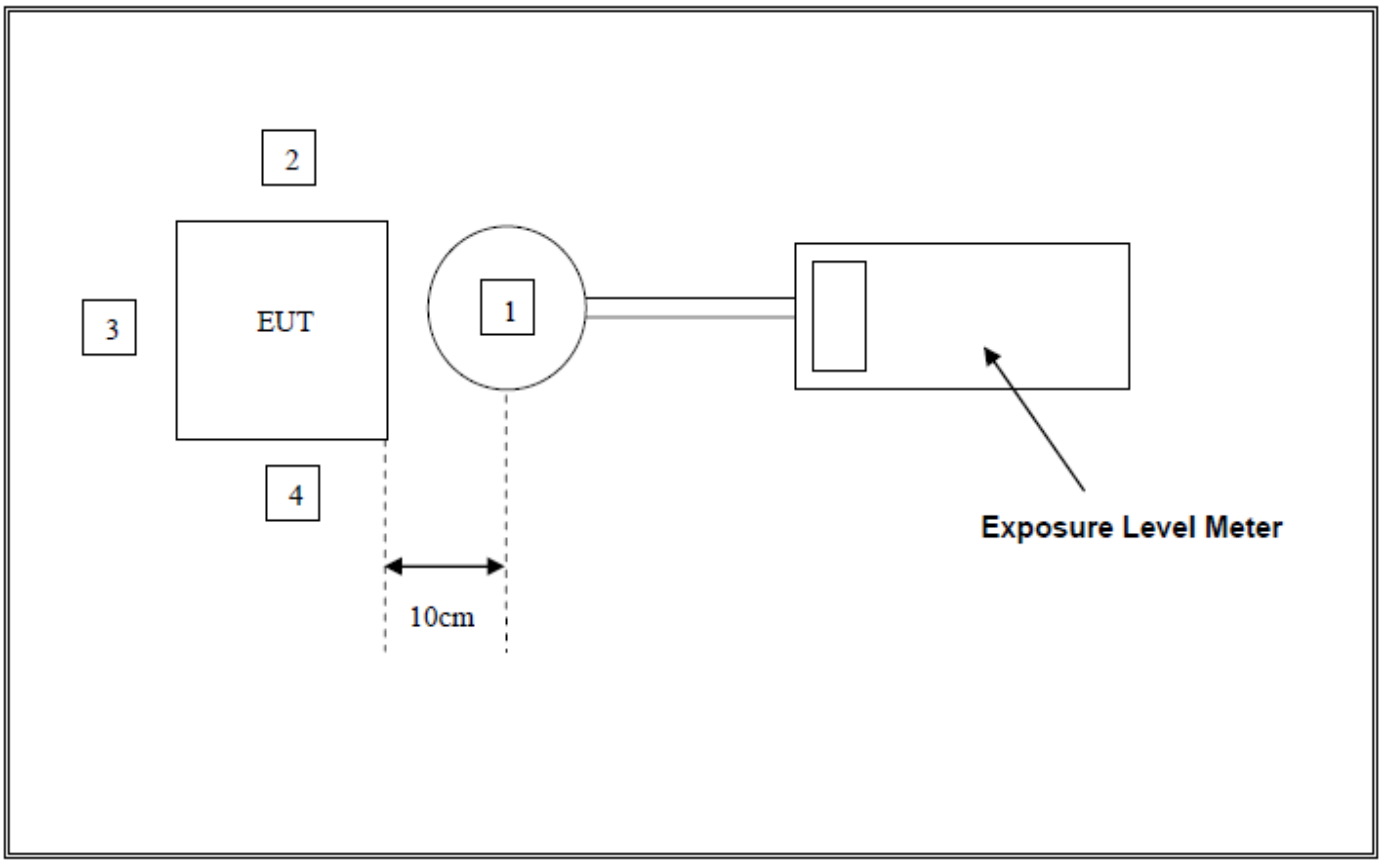
3. Limit

Regulation	Frequency	E-field	H-field
FCC Part 1.1310	300 kHz ~ 3 MHz	614 V/m	1.63 A/m

4. Test setup

For RF exposure purposes, the E and H field strengths are measured separately with E and H probes and meters at different locations surrounding the test setip.

4.1 Test diagram



4.2 Measurement procedure

These testing were performed at test configuration as above diagram.
EUT was placed on a truntable, and the measurement distance of 10 cm from the center of the probe to the edge of the device. And test was performd all sides of the EUT(except bottom side).

4.3 Test Equipment

Type	Manufacturer	Model	Cal.Date	Next.Cal.Date	S/N
EMF Meter	NARDA	ELT-400	14.09.20	16.09.20	N-3042
EMF Probe	NARDA	B-Field Probe	14.09.20	16.09.20	M-0779
Broadband field meter	NARDA	NBM-550	14.09.19	16.09.19	E-1275
Broadband field probe	NARDA	EF-0391	14.09.19	16.09.19	D-0894

MPE Calculations

5. Test Result

Magnetic Field (H-Field) strength at 10cm from the boundaries of the EUT				
Measured Point	Mesuring Distance (cm)	Magnetic Field (A/m)	Limit	Limit (30%)
1	10	0.34	1.63 A/m	0.489 A/m
2	10	0.36		
3	10	0.32		
4	10	0.37		

NOTE : The worst case data were reported.

Calculated Electric Field (E-Field) strength at 10cm from the boundaries of the EUT				
Measured Point	Mesuring Distance (cm)	Electric Field (V/m)	Limit	Limit (30%)
1	10	0.52	614 V/m	184.2 V/m
2	10	1.39		
3	10	1.06		
4	10	0.55		

NOTE : The worst case data were reported.