

RF EXPOSURE

Product: power bank

Trade Mark: N/A

Model Number: YM208,A2,A3,A4,A5,M208

FCC ID: 2BVCS-YM208

Prepared for

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1 RF Exposure

1.1 Maximum Permissible Exposure

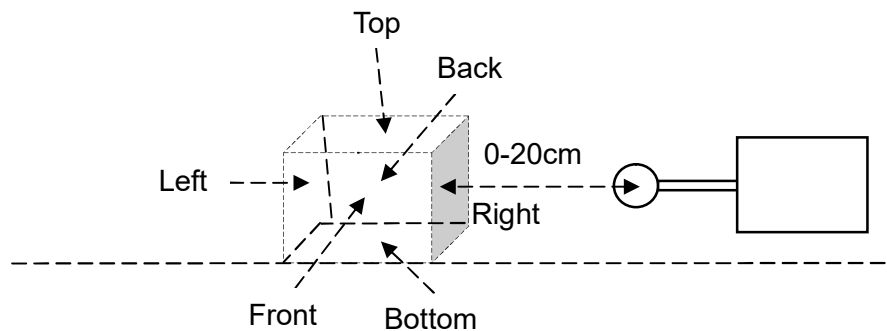
1.2 Limit

Frequency range(MHz)	Electric field strength(V/m)	Magnetic field strength(A/m)	Power density(mW/cm2)	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	6
300-1500			f/300	6
1500-100000			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
300-1500			f/1500	30
1500-100000			1	30
f = frequency in MHz * = Plane-wave equivalent power density				

1.3 Test Procedures

- The RF exposure test was performed in anechoic chamber.
- Perform H-field measurements for each edge/top surface of the host/client pair at every 2 cm, starting from as close as possible out to 20 cm.
- The highest emission level was recorded and compared with limit.

1.4 Test Setup



1.5 Test Result

For portable exposure condition:

Operating modes with client device (1 %, 50%, 99% battery status of client device) have been test, only show the data of worst case of 1% battery status of client device.

H-field measurements taken every 2 cm (starting as close to 20 cm as possible) on each edge/top surface of the host/client pair were also evaluated for portable use conditions. The report reflects data for the worst 0 cm test distance mode only.

Test condition 1: Mode 2 operating mode with client device (1 % battery status of client device).

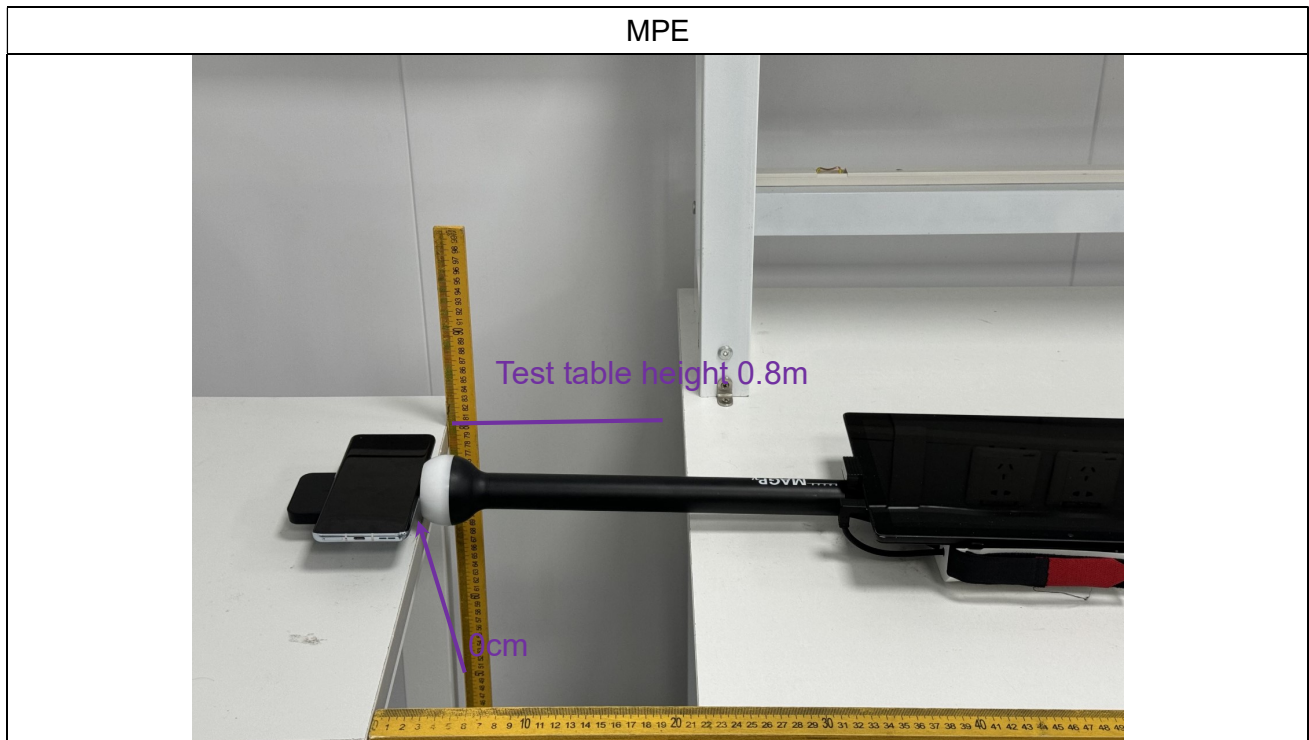
Measurement results directly tested using MAGPy.

Maximum permissible Exposure				
Battery levels	Test sides	Test distance(cm)	E -field(V/m)	H-field(A/m)
<1%	Top	0	9.5412	0.1068
<1%	Left	0	65.065	0.1084
<1%	Right	0	22.351	0.1047
<1%	Front	0	9.4851	0.1925
<1%	Back	0	13.7852	0.0605
<1%	Bottom	0	49.372	0.3518
Limit			614	1.63
Margin Limit (%)			10.60%	21.58%

When setting MAGPy to select compliance location as probe tip, the measured value is extrapolated to 0mm as the result.

Maximum permissible Exposure				
Battery levels	Test sides	Test distance(cm)	E -field(V/m)	H-field(A/m)
<1%	Top	0	10.6251	0.2635
<1%	Left	0	66.595	0.2781
<1%	Right	0	23.545	0.2723
<1%	Front	0	10.362	0.2159
<1%	Back	0	14.548	0.1712
<1%	Bottom	0	50.421	0.4742
Limit			614	1.63
Margin Limit (%)			10.85%	29.09%

2 Photographs of the Test Setup



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