

MAXIMUM PERMISSIBLE EXPOSURE

KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v06.

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency(RF) Radiation as specified in §1.1307(b)

EUT Specification

FCC ID	2AOKB-A2345
EUT Anbore And	Anker Prime Charger (250W, 6 Ports, GaNPrime)
Frequency band (Operating)	⊠ BT: 2.402GHz ~ 2.480GH
Anbore Anbore	⊠ WLAN: 2.412GHz ~ 2.462GHz
Ambore Anniek Ambe	☐ RLAN: 5.180GHz ~ 5.240GHz
Anbotek Anbo	☐ RLAN: 5.260GHz ~ 5.320GHz
ek abotek Anbor A	☐ RLAN: 5.500GHz ~ 5.700GHz
k hotek Anboten	☐ RLAN: 5.745GHz ~ 5.825GHz
poter And	☐ Others:
Device category	☐ Portable (<20cm separation)
botek Anbote Ant	⊠ Mobile (>20cm separation)
Ant otek Anbotek Anbo	Others
Exposure classification	☐ Occupational/Controlled exposure
ek Anbor k Arr wotek	⊠ General Population/Uncontrolled exposure
Antenna diversity	⊠ Single antenna
tek abotek Anbot	☐ Multiple antennas
Anbore Anbores	☐ Tx diversity
Anbotes And tek abot	☐ Rx diversity
abotek Anbor Ar	☐ Tx/Rx diversity
Antenna gain (Max)	1.97dBi
Evaluation applied	⊠ MPE Evaluation
otek Anbo ek botek	☐ SAR Evaluation



Limits for Maximum Permissible Exposure(MPE)

Frequency	Electric Field	Magnetic Field	Power	Average Time		
Range(MHz)	Strength(V/m)	Strength(A/m)	Density(mW/cm ²)	Air.		
k Aupoter b	(A) Limits fo	r Occupational/Contr	ol Exposures	And		
300-1500	Aupo, N.	lek Alpoter	F/300	6		
1500-100000	Anbore Ans	tek -nbotek	Anbo 5	6 o		
Anto otel	(B) Limits for Ge	neral Population/Und	control Exposures	otek Anbotek		
300-1500	ek -botek	Anbore - An	F/1500	30		
1500-100000	Die Diek	Anbotes Anbo	ak 1,00tek	30		

Friis transmission formula: Pd=(Pout*G)\(4*pi*R2)

Where

Pd= Power density in mW/cm²

Pout=output power to antenna in Mw

G= gain of antenna in linear scale

Pi=3.1416

R= distance between observation point and center of the radiator in cm

Pd the limit of MPE. If we know the maximum gain of the antenna and total power input to the antenna, through the calculation, we will know the distance where the MPE limit is reached.

Measurement Result

Operating Mode	Maximum output power (dBm)	Tune tolerar (dBm	nce	Max. Tune up Power (dBm)	Antenna Gain (dBi)	Power density at 20cm (mW/cm²)	Power density Limits (mW/cm²)
BLE Anbot	0.40	0.40	±1	1.40	1.97	0.0004	inboten 1 P
WLAN	16.56	16.56	±1	17.56	1.97	0.0179	Vupo, by

BT and 2.4G WIFI cannot support simultaneous transmission.



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