

RF EXPOSURE EVALUATION

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	2AXZP-L1
EUTek Anbotek Anbo	Android TV Box
Frequency band (Operating)	⊠ WLAN: 2.412GHz ~ 2.462GHz
Anbor Anbo	☐ WLAN: 5.18GHz ~ 5.32GHz / 5.50GHz ~ 5.70GHz
Anboren Anb	☐ WLAN: 5.745GHz ~ 5825GHz
ek abotek Anbo, k	☐ Others
Device category	☐ Portable (<20cm separation)
porter And Otek Anbotek	⊠ Mobile (>20cm separation)
anbotek Anbo. Ak botek	Others
Exposure classification	☐ Occupational/Controlled exposure
All otek Anbotek Anbo	☐ General Population/Uncontrolled exposure
Antenna diversity	⊠ Single antenna
k Aupol k All Totak	☐ Multiple antennas
otek Anbotek Anb	☐ Tx diversity
tek nbotek Anbo	☐ Rx diversity
Anbore Anboren	☐ Tx/Rx diversity
Antenna gain (Max)	3.97dBi
Evaluation applied	☑ MPE Evaluation
s shotek Anbore An	☐ 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)	oten Anbe		
And tek anbore	(A) Limits for	Occupational/Contr	ol Exposures	nbotek Anbo.		
300-1500	otek Anbore	And otek-	F/300	hotek 6 Anbore		
1500-100000	otek - nbotek	Mupo	otek 5 both	Arel 6 Mabel		
ek anboten	(B) Limits for Ge	neral Population/Unc	ontrol Exposures	And		
300-1500	Anbor - An	lek Misolen	F/1500	30		
1500-100000	Anbore And	tek - abotek	Aupo, 1 h.	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 up tolerance (dBm)	Max. Tune up Power (dBm)	Antenna Gain (dBi)	Power density at 20cm (mW/cm²)	Power density Limits (mW/cm²)
WLAN	14.99	14.99 ±1	15.99	3.97	0.0197	1 Anbo.

Result: No Standalone SAR test is required.



Hotline

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