

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

FCCID	2BLYD-HL100
EUT Anboten And	Sauna room
Frequency band (Operating)	⊠ BT: 2.402GHz ~ 2.480GHz
ore Annotek Anbotek	☐ WLAN: 2.412GHz ~ 2.462GHz
upotek Aup	☐ RLAN: 5.180GHz ~ 5.240GHz
Aupotek Aupote An	☐ RLAN: 5.260GHz ~ 5.320GHz
And tek Anbotek An	☐ RLAN: 5.500GHz ~ 5.700GHz
Vupo, K Polek	☐ RLAN: 5.745GHz ~ 5.825GHz
K Aupole, Aur	☐ Others:
Device category	☐ Portable (<20cm separation)
or Ar Auborer	⊠ Mobile (>20cm separation)
Andotek And	Others
Exposure classification	☐ Occupational/Controlled exposure
All stek Aupoten A	⊠ General Population/Uncontrolled exposure
Antenna diversity	⊠ Single antenna
The Pupose Will Stok	☐ Multiple antennas
rek upotek Anbo	☐ Tx diversity
bo Anbole	☐ Rx diversity
Auporge Aug	☐ Tx/Rx diversity
Antenna gain (Max)	1.6 dBi
Evaluation applied	⊠ MPE Evaluation
Ano ok botek	☐ SAR Evaluation

Limits for Maximum Permissible Exposure(MPE)

		-13		DA.*		
Frequency	Electric Field	Magnetic Field Power		Average Time		
Range(MHz)	Strength(V/m)	Strength(A/m)	Density(mW/cm ²)	All. Stok		
abolek Anbe	(A) Limits for	Occupational/Contro	ol Exposures	Aup		
300-1500	upoler - Aug	k opolek	F/300	rek 6upore		
1500-100000	Potek Aupor	- wotek	Anbore 5	tek 6 nbotek		
olek Aupote	(B) Limits for Gei	neral Population/Unc	ontrol Exposures	'upo K hote		
300-1500	And OK	"potek Vupor	F/1500	Anbore 30		
1500-100000	Aupor	W. Viek- Vupo	Jun 16K	nbo'30 An		
1300-100000	P	Ans Ans	1919	Aupo 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)
BT tek	1.06	1.06 ±1	2.06	1.6	0.0005	potek 1 Ar

Result: No Standalone SAR test is required.

