

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

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FCC ID	2A8WK-CLDA02
EUTek Anboten Anbo	Catlink smart pet dryer
Frequency band (Operating)	BT: 2.402GHz ~ 2.480GH
Anboit Air sotek Anb	UWLAN: 2.412GHz ~ 2.462GHz
Anboten Anbo	RLAN: 5.180GHz ~ 5.240GHz
ek abotek Anboi A	🗌 RLAN: 5.260GHz ~ 5.320GHz
At hotek Anboten	🗌 RLAN: 5.500GHz ~ 5.700GHz
poter And tek anbotek	RLAN: 5.745GHz ~ 5.825GHz
nbotek Anboi ak hotek	⊠ Others: BLE: 2.402GHz ~ 2.480GH
Device category	□ Portable (<20cm separation)
Ant otek Anbotek Anb	Mobile (>20cm separation)
Anbo isk sbotek A	Others
Exposure classification	Occupational/Controlled exposure
otek anboten Anbo	General Population/Uncontrolled exposure
Antenna diversity	Single antenna
Anbo, Anbotek Anbote.	Multiple antennas
Anbote, Ant stek anbo	Tx diversity
Anbotek Anbot A	Rx diversity
s hotek Anbote. An	Tx/Rx diversity
Antenna gain (Max)	1.51 dBi
Evaluation applied	MPE Evaluation
abotek Anbort Ant atek	□ SAR Evaluation
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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)	Anti-	
tek anbotek	(A) Limits fo	r Occupational/Contro	ol Exposures	Anbo	
300-1500	Anboro - Ano	ek unotek	F/300	6	
1500-100000	Anboten Anbo	ek - botek	Anbor 5	et 6 oter	
Anboten Anot	(B) Limits for Ge	neral Population/Unc	ontrol Exposures	kek abotek	
300-1500	- wotek	Anboten And	F/1500	30	
1500-100000	pres And	abotek - Anbo	ak 1 notek	30	

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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/cm ²)	Power density Limits (mW/cm ²)
BLE nbotek	4.20	4.20 ±1	5.20	1.51	0.0009	ak 1 Anbo.

Result: No Standalone SAR test is required.

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