

## **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**

FOO ID SOTOK ATTOON	OACCL OPPOSES
FCC ID	2A96L-SRP2302A
EUT-K Anbore And	NanoCure
Frequency band	☐ BT: 2.402GHz ~ 2.480GH
(Operating)	⊠ WLAN: 2.412GHz ~ 2.462GHz
Anboten Anb	⊠ RLAN: 5.180GHz ~ 5.240GHz
ek abotek Anbo	⊠ RLAN: 5.260GHz ~ 5.320GHz
k hotek Anbotes	⊠ RLAN: 5.500GHz ~ 5.700GHz
boten And tek abotek	⊠ RLAN: 5.745GHz ~ 5.825GHz
shotek Anbo, the hotel	☐ Others:
Device category	☐ Portable (<20cm separation)
And otek Anbotek Anb	⊠ Mobile (>20cm separation)
Anbo sek spotek	☐ Others
Exposure classification	☐ Occupational/Controlled exposure
otek Anboten Anbo	⊠ General Population/Uncontrolled exposure
Antenna diversity	⊠ Single antenna
Anbore K Anbores	☐ Multiple antennas
Anboter And	☐ Tx diversity
upotek Anbo. Ak	☐ Rx diversity
k hotek Anbote A	☐ Tx/Rx diversity
Max. output power	16.96 dBm (0.0497W)
Antenna gain (Max)	WiFi 2.4G: 2.28dBi
sbotek Anbore Ans	Wi-Fi 5.2G: 1.42dBi
atek Anbotek Anbo	Wi-Fi 5.3G: 1.83dBi
And Lek abovek Anbo	Wi-Fi 5.6G: 2.29dBi
Anbor Ali	Wi-Fi 5.8G: 2.45dBi
Evaluation applied	⊠MPE Evaluation
tek nbotek Anbore	☐ SAR Evaluation
n. h.	VUL





Limits for Maximum Permissible Exposure(MPE)

Frequency	Electric Field	Magnetic Field	Power Density	Average Time	
Range(MHz)	Strength(V/m)	Strength(A/m)	(mW/cm <sup>2</sup> )	An arek anbor	
ek Aupoles	(A) Limits for	Occupational/Con	trol Exposures	Anb	
300-1500	Vupo, - by	ek Mipole,	F/300	Map 6	
1500-100000	Anbore Ans	dek -nbotek	Anbo 5	6	
Anbore Are	(B) Limits for Gen	eral Population/Ur	control Exposures	otek Anbotek	
300-1500	ek botek	Aupore - Are	F/1500	30	
1500-100000	A A Lotek	Anborer Anbor	lek 1botek	30	

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

Where

Pd= Power density in mW/cm<sup>2</sup>

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	Measured Power	Tune up tolerance	Max. Tune up Power	Antenna Gain	Power density at 20cm	Power density Limits
Mode	(dBm)	(dBm)	(dBm)	(dBi)	(mW/cm <sup>2</sup> )	(mW/cm²)
WiFi	16.96	16.96 ±1	17.96	2.45	0.0219	tek 1 nbotek
otek Aupo.	rok by	botek Anbote	N VUD	rek	Anborek Anb	sek abotek
inbotek Ant	10. Vr	hotek Anb	yer Yun	rek	anbotek (	Wpo, by
borek	Anbore	Ans Lotek D	nbotek A	Upo NOK	abotek	Anbore Am
Ar. Polek	Anboter	Andarotek	anbotek	Vupo.	r spojek	Anbores An

Note: 2.4G&5G WiFi cannot support simultaneous transmission.

Result: No Standalone SAR test is required.



400-003-0500