

#### **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	OKUSB28380B
EUT Anbores Anbores	Bluetooth Soundbar
Anborek Anbore	⊠ BT: 2.402GHz ~ 2.480GHz
Anbore Anbo	☐ WLAN: 2.412GHz ~ 2.462GHz
Frankotek Anb	☐ RLAN: 5.180GHz ~ 5.240GHz
Frequency band	☐ RLAN: 5.260GHz ~ 5.320GHz
(Operating)	RLAN: 5.500GHz ~ 5.700GHz
potek Anbo sek shotek	☐ RLAN: 5.745GHz ~ 5.825GHz
nbotek Anbore Anti-	☐ Others:
notek Anbore And	☐ Portable (<20cm separation)
Device category	⊠ Mobile (>20cm separation)
Anbor ok Anborek An	☐ Others
Exposure classification	☐ Occupational/Controlled exposure
	⊠ General Population/Uncontrolled exposure
tek abotek Anbot	⊠ Single antenna
Inport All Hotek Amboren	☐ Multiple antennas
Antenna diversity	☐ Tx diversity
nbotek Anbor A	Rx diversity
Anbotes Anto	☐ Tx/Rx diversity
Max. output power	4.56dBm (0.0029W)
Antenna gain (Max)	1.9 dBi
Evaluation applied	⊠ MPE Evaluation
Evaluation applied	☐ SAR Evaluation





#### 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 Anbot	
sk Aupoter	(A) Limits for	Occupational/Con	trol Exposures	Aug sek	
300-1500	Wupo.	F/300		Anb 6	
1500-100000	Anbore And	tek -nbotek	Anbo 5	16 A 6 OT	
Anbore And	(B) Limits for Gen	eral Population/Ur	control Exposures	otek Anbotek	
300-1500	ek -botek	Anbore An	F/1500	30	
1500-100000	Dr. Dr.	Anborer Anbo	ak Inotek	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.

### **Max Measurement Result**

ek Anboren	Measured	Tune	up	Max. Tune	Antenna	Power density	Power density
Operating Power		tolerance		up Power (	Gain	at 20cm	Limits
Mode	(dBm)	(dBr	n)	(dBm)	(dBi)	(mW/cm²)	(mW/cm²)
BDR+EDR	4.56	4.56	±1	5.56	1.9	0.0011	abotek1 Anbr

Result: No Standalone SAR test is required.



Hotline

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