

#### 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**

Edo ID Polek Nipo,	0407504DD004UUTD404
FCC ID	2A2Z5S1PROS1ULTRAS1
EUT Anbote And	Dash cam
Frequency band	⊠ BT: 2.402GHz ~ 2.480GH
(Operating)	⊠ WLAN: 2.412GHz ~ 2.462GHz
Anbote, Ant stek	⊠ RLAN: 5.180GHz ~ 5.240GHz
ek społek Aupo.	⊠ RLAN: 5.260GHz ~ 5.320GHz
ak hotek Anbote	⊠ RLAN: 5.500GHz ~ 5.700GHz
pote, And stek Anbotek	⊠ RLAN: 5.745GHz ~ 5.825GHz
anbotek Anbo. A ho	☐ Others:
Device category	☐ Portable (<20cm separation)
And stek anbotek Ar	⊠ Mobile (>20cm separation)
Anbo ok hotek	☐ Others
Exposure classification	☐ Occupational/Controlled exposure
stek Anbotek Anbo.	⊠ General Population/Uncontrolled exposure
Antenna diversity	⊠ Single antenna
inboth Ani otek Ambot	☐ Multiple antennas
Anboren Anbo	☐ Tx diversity
abotek Anbor	☐ Rx diversity
All Anboten	☐ Tx/Rx diversity
Max. output power	BLE: 4.84dBm 0.0030W
otek Anbor k An hotek	WIFI 2.4G: 13.55dBm 0.0226W
hotek Anbote. And	WIFI 5.2G: 15.61dBm 0.0364W
nb tek anbotek Anbo	WIFI 5.3G: 15.68dBm 0.0370W
Anbotek Anbo hotek Ant	WIFI 5.6G: 16.31dBm 0.0428W
Anbore Ans Stek	WIFI 5.8G: 14.49dBm 0.0281W
Antenna gain (Max)	BLE: 3.3dBi
/ intomia gam (max)	WiFi 2.4G: 3.3dBi
An otek Amborek	Wi-Fi 5.2G: 3.61dBi
ipoter And tek abote	Wi-Fi 5.3G: 3.7dBi
abotek Anbor All	Wi-Fi 5.6G: 3.7dBi
Anboten Anb	Wi-Fi 5.8G: 2.61dBi
Evaluation applied	MPE Evaluation
Evaluation applied	SAR Evaluation
n Anbotek Compliance Laborat	ACT ACT IN ACT I

Shenzhen Anbotek Compliance Laboratory Limited







#### Limits for Maximum Permissible Exposure(MPE)

14	Frequency	Electric Field	Magnetic Field	Power Density	Average Time						
o'le	Range(MHz)	Strength(V/m)	Strength(A/m)	(mW/cm <sup>2</sup> )	Anbo						
	(A) Limits for Occupational/Control Exposures										
'Up	300-1500	Anbore- And	tek -nbotek	F/300	6						
P	1500-100000	k anbatek Ar	botek - botek	Anbor 5 And	ntek 6 nbotek						
	(B) Limits for General Population/Uncontrol Exposures										
-	300-1500	Arr Pur	Anboten Anbo	F/1500	30						
	1500-100000	upoter Ann	abotek Ant	1 notek	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**

Operating	Measured Power	Tune up tolerance	Max. Tune up Power	Antenna Gain	Power density at 20cm	Power density Limits		
Mode	(dBm)	(dBm)	(dBr	n)	(dBm)	(dBi)	(mW/cm <sup>2</sup> )	(mW/cm²)
BLE DOTE	4.84	4.84	nb ± 1	5.84	3.3	0.0016	And otek	
WIFI 2.4G	13.55	13.55	±1510	14.55	3.3	0.0121	ofer And	
WIFI 5.2G	15.61	15.61	±1	16.61	3.61	0.0209	inbotek 1 Anbot	
WIFI 5.3G	15.68	15.68	±1	16.68	3.7	0.0217	Anbotek 1 Anbo	
WIFI 5.6G	16.31	16.31	±1	17.31	3.7	0.0251	aboth Ar	
WIFI 5.8G	14.49	14.49	±1	15.49	2.61	0.0129	Lotek	

This product feature does not support simultaneous launch.

Result: No Standalone SAR test is required.

