

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	2ATI2-GSVMAX-I
EUT Anbout Andrew	OVERHEAD GOLF LAUNCH MONITOR
Anbotek Anbot All abo	⊠ BT: 2.402GHz ~ 2.480GHz
Anborek Anbore Ali	☐ WLAN: 2.412GHz ~ 2.462GHz
Frequency band	RLAN: 5.180GHz ~ 5.240GHz
(Operating)	RLAN: 5.260GHz ~ 5.320GHz
	RLAN: 5.500GHz ~ 5.700GHz
anbotek Anbo. Ak botek	RLAN: 5.745GHz ~ 5.825GHz
aborek Anbore Ann	Others:
Dovice category	☐ Portable (<20cm separation) ☑ Mobile (>20cm separation)
Device category	☐ Others
K Bupo, W. Volsk	Occupational/Controlled exposure
Exposure classification	☐ General Population/Uncontrolled exposure
abotek Anbore K hotek	⊠ Single antenna
hotek Anboten And	☐ Multiple antennas
Antenna diversity	☐ Tx diversity
Anlos sek abotek Ant	Rx diversity
Anbore Alli	☐ Tx/Rx diversity
Max. output power	4.89dBm (0.0031W)
Antenna gain (Max)	3.76 dBi
Evaluation applied	⊠ MPE Evaluation
Lvaluation applied	☐ SAR Evaluation





Limits for Maximum Permissible Exposure(MPE)

		1		
Frequency	Electric Field	Magnetic Field	Power Density	Average Time
Range(MHz)	Strength(V/m)	Strength(A/m)	(mW/cm ²)	An-
ak Aupoter	(A) Limits for	Occupational/Con	trol Exposures	Vun Tek
300-1500	Vupo,	F/300		An 6
1500-100000	Anbore Ans	tek -nbotek	Anbo 5	16 A 6
Anbore Am	(B) Limits for Gen	eral Population/Ur	control Exposures	otek Anbotek
300-1500	ek -botek	Aupor	F/1500	30
1500-100000	Dr. Diek	Anbores Anbo	lok 1botek	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.

Max Measurement Result

Operating Mode	Measured	Tune up	Max. Tune	Antenna	Power density	Power density
	Power	tolerance	up Power	Gain	at 20cm	Limits
	(dBm)	(dBm)	(dBm)	(dBi)	(mW/cm²)	(mW/cm²)
BDR+EDR	4.89	4.89 ±1	5.89	3.76	0.0018	botelf1 Anbi

Result: No Standalone SAR test is required.



Hotline

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