

RF EXPOSURE EVALUATION

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	2AWT7-RBX-H10
EUT Amborek	4G Solar Trail Camera
Frequency band (Operating)	☐ WLAN: 2.412GHz ~ 2.462GHz
botek Anbore An	☐ WLAN: 5.18GHz ~ 5.24GHz
Lotek Anbotek Anb	☐ WLAN: 5.745GHz ~ 5.825GHz
Anbe	⊠ Others:
Anbor Air sotek	FDD Band 2: 1850.7~1909.3MHz
Anbores Anu	FDD Band 4: 1710.7~1754.3MHz
ek abotek Anbot	FDD Band 5: 824.7~848.3MHz
k hotek Anboten	FDD Band 12: 699.7~715.3MHz
poter And tek nbotek	FDD Band 13: 779.5~784.5MHz
anbotek Anbo. A. ho	FDD Band 25: 1850.7~1914.3MHz
hotek Anbotes And	FDD Band 26: 814.7~848.3MHz
Device category	☐ Portable (<20cm separation)
Anbo Ak hotek	⊠ Mobile (>20cm separation)
k Aupore Aug	Others
Exposure classification	☐ Occupational/Controlled exposure (S = 5mW/cm2)
totek Anbore	☐ General Population/Uncontrolled exposure (S=1mW/cm2)
Antenna diversity	⊠ Single antenna
Anboren Anbo	☐ Multiple antennas
abotek Anbor	☐ Tx diversity
Anbotek Anboten	☐ Rx diversity
And ask abotek	☐ Tx/Rx diversity
Antenna gain (Max)	FDD Band 2: 3 dBi (Provided by customer)
botek Anbote And	FDD Band 4: 3 dBi (Provided by customer)
me dek unpotek Anbo.	FDD Band 5: 3 dBi (Provided by customer)
Anbo Lek botek Ant	FDD Band 12: 3 dBi (Provided by customer)
Anbore Ans otek	FDD Band 13: 3 dBi (Provided by customer)
Anboten Anbo	FDD Band 25: 3 dBi (Provided by customer)
ek stotek Anbore	FDD Band 26: 3 dBi (Provided by customer)
Evaluation applied	
boten Anb	☐ SAR Evaluation





Limits for Maximum Permissible Exposure(MPE)

Frequency	Electric Field	Magnetic Field	netic Field Power		
Range(MHz)	Strength(V/m)	Strength(A/m)	Density(mW/cm²)	Time	
ek abotek	(A) Limits for	Occupational/Control	Exposures	botek An	
300-1500	k Alpolon	And tek-	F/300	work 6	
1500-100000	otek -nbotek	Anbo	notek 5,nbote	6,ek	
Anbotek Anb	(B) Limits for Ger	eral Population/Unco	ntrol Exposures	Anbo	
300-1500	'upor - bu	k ansolek	F/1500	61001	
1500-100000	Anboten Anbo	tek - abotek	Anbot 1 Att	iek 30 Anbori	

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, 1mW/cm2. 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 Power	Tune up tolerance		Max. Tune up Power	Antenna Gain	Power density at 20cm	Power density Limits (mW/cm2)
	(dBm)	(dBr	dBm) (dBm)	(dBi)	(mW/ cm2)		
FDD Band 2	23.62	23.62	±1,	24.62	3	0.1151	1.00
FDD Band 4	23.13	23.13	±1	24.13	bote 3	0.1028	1.00
FDD Band 5	24.68	24.68	±1	25.68	Anb 3	0.1469	0.55
FDD Band 12	24.07	24.07	±1	25.07	3	0.1276	0.47
FDD Band 13	24.56	24.56	±1	25.56	3 300	0.1429	0.52
FDD Band 25	23.32	23.32	nb±'il	24.32	3	0.1074	1.00
FDD Band 26	23.85	23.85	±10	24.85	3	0.1213	0.54

Result: No Standalone SAR test is required.

