

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)

FCC ID: 2A7VD-H6099

EUT Specification

EUT has a seek	Govee Smart TV Backlight 3S					
Frequency band	☐ WLAN: 2.412GHz ~ 2.462GHz					
(Operating)	☐ WLAN: 5.18GHz ~ 5.24GHz / 5.50GHz ~ 5.70GHz					
notek Anbotek Anbo	□ WLAN: 5.745GHz ~ 5.825GHz					
Anbore Anbore	⊠ Others: BLE: 2.402GHz~2.480GHz					
Device category	☐ Portable (<20cm separation)					
Anboten And	⊠Mobile (>20cm separation)					
sek abotek Anbot A	☐ Others					
Exposure classification	☐ Occupational/Controlled exposure					
pote, Aug stek aupotek	⊠ General Population/Uncontrolled exposure					
Antenna diversity	⊠ Single antenna					
shotek Anbore An	☐ Multiple antennas					
An otek Anbotek Anbo	☐Tx diversity					
Anbo	☐ Rx diversity					
anbore Ambore	☐ Tx/Rx diversity					
Max. output power	-2.59dBm (0.0006W)					
Antenna gain (Max)	3.18dBi					
Evaluation applied	⊠MPE Evaluation					
Anbore Ant stek anbore	☐SAR Evaluation					

Limits for Maximum Permissible Exposure(MPE)

Frequency Range(MHz)	Electric Field Strength(V/m)	Magnetic Field Strength(A/m)	Power Density (mW/cm²)	Average Time	
hotek Anbotek	(A) Limits for (Occupational/Con	trol Exposures	oter Ann	
300-1500	sk Vupor b	hotek Anbores	F/300	abotek 6Anbo	
1500-100000	otek Poles	Amb otel-	An5	hotek 6 Anbote	
Anbor (E	B) Limits for Gene	ral Population/U	ncontrol Exposur	es nek nabo	
300-1500	kup - upotek	Anbore An	F/1500	30	
1500-100000	Pupor - bu	lek Vipoles	And lek 1 abotel	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 P	Measured Power	Tune up tolerance	Max. Tune up Power	Antenna Gain	Power density at 20cm	Power density Limits
	(dBm)	(dBm)	(dBm)	(dBi)	(mW/cm ²)	(mW/cm²)
BLE	-2.59	-2.59 ±1	-1.59	3.18	0.0003	botek 1 Anbot

Result: No Standalone SAR test is required.

Hotline o