

RF EXPOSURE EVALUATION

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

rek and	An A
FCC ID	2BBP3-BANDIT-N-M
EUT Anboten And	Bandit Micro
Frequency band (Operating)	☐ BT: 2.402GHz ~ 2.480GHz
All Stek Aupor	☐ WLAN: 2.412GHz ~ 2.462GHz
Potek Vupo	☐ RLAN: 5.180GHz ~ 5.240GHz
Anbotek Anbote An	☐ RLAN: 5.260GHz ~ 5.320GHz
Aug Ver upolek	☐ RLAN: 5.500GHz ~ 5.700GHz
Aupor	☐ RLAN: 5.745GHz ~ 5.825GHz
Aupolen Aug	☑ Others: 903.5-926.9MHz
Device category	☐ Portable (<20cm separation)
te All Stek Anbo	⊠ Mobile (>20cm separation)
upotek Vupo	Others And Andrew
Exposure classification	☐ Occupational/Controlled exposure (S = 5mW/cm2)
Yun Vipolek	☐ General Population/Uncontrolled exposure (S=1mW/cm2)
Antenna diversity	⊠ Single antenna
Anbote, Anbotek	☐ Multiple antennas
rek upotek Anbo	☐ Tx diversity
ore Arr Otek Aupt	☐ Rx diversity
Anbotek Anbo	☐ Tx/Rx diversity
Antenna gain (Max)	1.35dBi Andolek And
Evaluation applied	⊠ MPE Evaluation
Aupo K Polek	☐ SAR Evaluation
16.	100





Limits for Maximum Permissible Exposure(MPE)

	W.L.	1.07	Q V	10 U					
Frequency	Electric Field	Magnetic Field	Power Novembore	Average					
Range(MHz)	Strength(V/m)	Strength(A/m)	Density(mW/cm ²)	Time noon					
(A) Limits for Occupational/Control Exposures									
300-1500	Potek - Aupo	W. Tek	F/300	6					
1500-100000	Vun	upotek Anbo	5 otek	Anbor 6					
(B) Limits for General Population/Uncontrol Exposures									
300-1500	ALPOPO.	VIII.	F/1500	6 botek					
1500-100000	iek - upotek	Aupo	hotek 1 Anbore	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, 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)
, de 19	(dBm) 📈	(dBm)	(dBm)	(dBi)	(mW/ cm2)	(IIIVV/CITIZ.)
SRD	29.822	29.822 ±1	30.822	1.35	0.3280	0.6024

Note: The 4 antennas cannot transmit at the same time. For example, when using antenna 1, only antenna 1 can transmit. During the test, pre-scan all antennas, only the worst case(antenna 4) is recorded in the report.

Result: No Standalone SAR test is required.

