MPE CALCULATION

FCC ID: 2AOHB-R00015A

RF Exposure Requirements:	*47 CFR §1.1307(b)*
RF Radiation Exposure Limits:	*47 CFR §1.1310*
RF Radiation Exposure Guidelines:	*FCC OST/OET Bulletin Number 65*
EUT Frequency Band: 28GHz	*27.5GHz – 28.35GHz*
Limits for General Population/Uncontrolled Exposure in the band of:	*1500 - 100,000 MHz*
Power Density Limit:	*1 mW / cm²*

Equation: $S = PG / 4\pi R^2$ or $R = \sqrt{PG / 4\pi S}$

Where, *S = Power Density*

P = Power Input to Antenna

G = Antenna Gain

R = distance to the center of radiated antenna

EUT: RABACK 5GAC 28GHz Base Station, Model No.: RBK6028

(28GHz Band): Power = 18.91 dBm, Antenna Gain = 19 dBi, Power density = 0.93 mW/ cm²

Type	*CH Freq (GHz)*	*Conducted Power (dBm)*	*Antenna Gain (dBi)*	*Directional Gain (dBi)*	*Tune-Up Tolerance*	*Tolerance Max Power (dBm)*	*Measurement Distance (cm)*	*Calculated MPE (mW/cm²)*	*MPE Limit (mW/cm²)*	*Pass/Fail*
28GHz	*27.93*	*18.91*	*19*	*19*	*±1dB*	*19.91*	*23*	*0.93*	*1*	*Pass*

The Above Result had shown that the Device complied with MPE requirement.

Completed By: Cipher

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