



## Office of Engineering and Technology

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### Reply to an OET Inquiry Response

Currently Displaying Inquiry Tracking Number: **944034**

#### Contact Information:

Customer First Name: Sophia  
Customer Last Name: Li  
Telephone Number: 13428789826  
Extension:  
E-mail Address: liqian@sz-ctc.com.cn

#### Address:

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P.O. Box:  
City: Shenzhen  
State:  
Zip Code: 51800  
Country: China

#### Inquiry Details on 02/28/2019:

First category: RF Exposure \*  
Second category: Test Procedures (RF Exposure)  
Third category:  
Subject: Camera SAR test method  
Inquiry: Dear Expert;  
We have a 360° camera ,it' is now under SAR investigation as a new product that will apply FCC ID. we are not sure how to test SAR and what's the test distances of SAR testing for EACH SIDE of the camera.  
i will share all the necessary documents as attachments for your technical evaluation.  
We are intend is to test SAR with minimum 15mm distance since the camera's UM (page 58-62) and QSG clearly show that the camera is used with accessories-mounts, grip, helmet, etc. as below, all the usage cases will have minimum 15mm far from camera.  
  
for more information about all the accessories you can refer the link as below for details:  
Grip: <https://shop.gopro.com/mounts/fusion-grip/ASBHM-001.html>  
Mounts: <https://shop.gopro.com/mounts/fusion-mounts/ASBMB-001.html>  
Helmet: <https://shop.gopro.com/mounts/helmet-front-plus-side-mount/AHFSM-001.html>  
<https://shop.gopro.com/mounts/nvg-mount/ANVGM-001.html>  
Let me know if you have more questions and I'd like to support you for all need.

FCC Response on 03/05/2019:

Thank you for your inquiry. To provide you with appropriate guidance, more information is needed.

1. Please identify all wireless technologies utilized by the device. Please include information about frequency band and modulation, if applicable.
2. Please provide the conducted output powers with tune-up tolerance for each wireless technology, per frequency band.
3. Please provide a diagram showing the dimensions of the device.
4. Please provide a diagram showing the distance of each antenna to each surface and edge of the device.
5. Does the device support any power reduction mechanisms or simultaneous transmission?
6. Does the camera have viewfinder? Would there be an exposure scenario during normal operation where the user's head or body would be in close proximity to the device?
7. Can the user mount the camera to his/her clothing or use the device with a strap or lanyard?

---Reply from Customer on 03/06/2019---

Thanks and see my response in blue ink:

1. Please identify all wireless technologies utilized by the device. Please include information about frequency band and modulation, if applicable.  
Sophia:Frequency/Band: 2.4G BT(2402-2480MHz), 2.4G WIFI(2412-2462MHz), 5G WIFI full bands, , 5745-5825MHz): U-NII-1((5180-5320Mhz), U-NII-2A(5500-5700MHz), U-NII-2C(5500-5700MHz), U-NII-3(5745-5825MHz). Modulation types: BT BR/EDR: GFSK,  $\pi/4$ -DQPSK, 8-DPSK; BLE: GFSK; WLAN: 802.11b:BPSK, QPSK, CCK; 802.11a/g/n: BPSK, QPSK, 16-QAM, 64-QAM; 802.11ac:BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM.



Proceed

Clear

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Federal Communications Commission  
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