

Report No.: TB-MPE154686

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## RF Exposure Evaluation FCC ID: 2AMQR-X720

## 1. Client Information

**Applicant**: Shenzhen Zhixingsheng Electronics Co.,Ltd.

Address: 4/F, Building F.No.8 of East Zone, Shangxue Science Park, Bantian,

Jihua Road, Longgang Disctrict, Shenzhen, China

Manufacturer : Shenzhen Zhixingsheng Electronics Co.,Ltd.

Address: 4/F, Building F.No.8 of East Zone, Shangxue Science Park, Bantian,

Jihua Road, Longgang Disctrict, Shenzhen, China

2. General Description of EUT

Zi Collorai i	General Description of Lot							
EUT Name		Action Camera						
Models No.	A VOICE TO A	\$720, T720, V720, W7 360F, 360H, 360I, 360I Pano360, PanoLive, A7 A600, A800, A900, A10 B30, B50, B60, B80, B8 F80, F90, H2, H3, H8, I H9PRO, H9SE, H9RSE M20, M30, M50, M60, I M800, M900, M1000, N N50, N60, N80, N90, N	20, D720, H720, I720, K720, N720, Q720, 20, Pano720, 360A, 360B, 360C, 360D, 360E, K, 360M, 360N, 360Q, 360S, 360T, 360W, 7, A7S, A100, A123, A180, A200, A300, A500, 200, B1, B2, B3, B5, B6, B8, B9, B10, B20, 200, B100, D3, D3S, D3W, D5, D5S, F50, F60, H8R, H8PRO, H8PLUS, H8SE, H9, H9R, E, H16, H20, M1, M2, M3, M5, M6, M8, M10, M80, M90, M100, M200, M300, M500, M600, M1, N2, N3, N5, N6, N8, N9, N10, N20, N30, M300, N200, N300, N500, N600, N800, N900, W8, W9, W9R, W9SE, W100, W200, W300, W900, W1000					
Model Difference	:	All these models are identical in the same PCB layout and electrical circuit, the only difference is model name for commercial and shape.						
Product Description	3	Operation Frequency:  RF Output Power:	802.11b/g/n(HT20): 2412MHz~2462MHz 802.11n(HT40): 2422MHz~2452MHz 802.11b: 9.60dBm 802.11g: 9.21dBm 802.11n (HT20): 7.89dBm 802.11n (HT40): 6.34dBm					
A 100		Antenna Gain:	2.11dBi Integral Antenna					
Power Supply			C Voltage supplied by AC/DC Adapter. C Voltage supplied by Li-ion battery.					
Power Rating		DC 5.0 V from the USB Cable. DC 3.7V by 1500mAh Li-ion battery.						
Connecting I/O Port(S)		Please refer to the User's Manual						

Note: More test information about the EUT please refer the RF Test Report.

TB-RF-074-1. 0

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## **SAR Test Exclusion Calculations**

1. FCC: According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v06.

- (1) Clause 4.3: General SAR test reduction and exclusion guidance Sub clause 4.31: Standalone SAR test exclusion considerations
  - 1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6GHz at test separation distance ≤ 5 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]\*[ $\sqrt{f_{(GHz)}}$ ]  $\leq$ 3.0 for 1-g SAR

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]\*[  $\sqrt{f_{(GHz)}}$  ]  $\leq$ 7.5.0 for 10-g SAR



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## 2.Calculation:

Test separatio	n: 5mm					
	CALL	A U	WiFi Mode(802.11b)	CILLID.	7	MAINT.
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (dbm)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.412	9.60	8±1.6	9.6	9.120	2.833	3.0
2.437	8.88	8±1.6	9.6	9.120	2.847	3.0
2.462	8.17	8±1.6	9.6	9.120	2.862	3.0
JA W			WiFi Mode(802.11g)	MILLION .	an Will	
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (dbm)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.412	8.97	8±1.3	9.3	8.511	2.644	3.0
2.437	9.21	8±1.3	9.3	8.511	2.657	3.0
2.462	8.49	8±1.3	9.3	8.511	2.671	3.0
All Indian		Wi	Fi Mode(802.11n(HT2	0))	All Inches	
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (dbm)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.412	7.50	7±1	8	6.310	1.960	3.0
2.437	7.89	7±1	8	6.310	1.970	3.0
2.462	7.33	7±1	8	6.310	1.980	3.0
		Wi	Fi Mode(802.11n(HT4	0))		a v
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (dbm)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.422	6.31	6±1	7	5.012	1.557	3.0
2.437	6.34	6±1	7	5.012	1.565	3.0
2.452	6.17	6±1	7	5.012	1.573	3.0

So standalone SAR measurements are not required.

----END OF REPORT----