

RF Exposure Evaluation

FCC ID: 2ALUT-C80037

1. Client Information

Applicant : IZZO Golf, Inc.
Address : 1635 Commons Parkway, Macedon, NY 14502, USA
Manufacturer : Shenzhen GELETE Technology Co. Ltd
Address : 9/F, 7 Building, The 2nd Industrial Zone, Longhua New District, Shenzhen, China

2. General Description of EUT

EUT Name	:	SMART GLASSES	
Models No.	:	C80037, A44050, A44056	
Model Difference	:	All models are identical in the same PCB layout interior structure and electrical circuits, The only difference is shape of the lens.	
Product Description	:	Operation Frequency:	Bluetooth V4.0: 2402~2480 MHz
		RF Output Power:	Bluetooth: 3.950dBm(Max) BLE: 0.430dBm(Max)
		Antenna Gain:	2dBi PCB Antenna
Power Supply	:	DC Voltage Supply from USB Cable. DC Supply by the Li-ion Battery.	
Power Rating	:	DC 5.0 V from the USB Cable. DC 3.7V by 250mAh 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.

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:

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

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

2. Calculation:

Test separation: 5mm

Bluetooth Mode (GFSK)						
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
2.402	2.279	3±1	4	2.512	0.779	3.0
2.441	3.616	3±1	4	2.512	0.785	3.0
2.480	3.950	3±1	4	2.512	0.791	3.0
Bluetooth Mode (π/4-DQPSK)						
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
2.402	0.814	1.5±1.5	3	1.995	0.618	3.0
2.441	2.649	1.5±1.5	3	1.995	0.623	3.0
2.480	2.822	1.5±1.5	3	1.995	0.628	3.0
Bluetooth Mode (8-DPSK)						
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
2.402	1.275	2±1.5	3.5	2.239	0.694	3.0
2.441	2.918	2±1.5	3.5	2.239	0.700	3.0
2.480	3.155	2±1.5	3.5	2.239	0.705	3.0
BLE Mode (GFSK)						
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
2.402	-0.869	0±1	1	1.259	0.390	3.0
2.442	0.056	0±1	1	1.259	0.393	3.0
2.480	0.430	0±1	1	1.259	0.397	3.0

So standalone SAR measurements are not required.

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