

RF Exposure Evaluation

FCC ID:2A7ZM-PRESTOG2

1. Client Information

Applicant	:	JBU GLOBAL LLC
Address	:	19416 NE 26th Ave, 114B, Miami, Florida 33180
Manufacturer	:	NINGBO SUNNUO INTERNATIONAL TRADE CO., LTD
Address	:	No. 23, Jinshan Road, Taoyuan Street NINGBO Zhejiang Province 315600, China.

2. General Description of EUT

EUT Name	:	Presto G2
Model(s) No.	:	Presto G2, Spinto G3
Model Difference	:	All PCB boards and circuit diagrams are the same, the only difference is the appearance.
Product Description	Operation Frequency:	Bluetooth 5.2(BLE): 2402MHz~2480MHz Bluetooth V5.2: 2402MHz~2480MHz
	Number of Channel:	Bluetooth 5.2(BLE): 40 channels Bluetooth 5.2(BDR+EDR): 79 channels
	RF Output Power:	2.048dBm (Max)
	Antenna Gain:	-0.58dBi PCB Antenna
	Modulation Type:	GFSK, π /4-DQPSK
	Bit Rate of Transmitter:	1/2Mbps
Power Supply	:	For Adapter (Model: GA-0502000) Input: AC100-240V~ 50/60Hz 0.6A Output: 5.0V $\pm$ 2000mA DC 7.4V by 2000mAh Rechargeable Li-ion battery
Software Version	:	ZXW_AC6925B_MASINGO_D2D5_20201231
Hardware Version	:	SD301-KT-TPC
Remark: The antenna gain provided by the applicant, the adapter and verified for the RF conduction test and adapter provided by TOBY test lab.		

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

TB-RF-074-1.0

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)	Limit (mw)
2.402	0.387	0 ± 1	1	1.259	3.0
2.441	0.535	1 ± 1	2	1.585	3.0
2.480	1.299	1 ± 1	2	1.585	3.0
Bluetooth Mode ($\pi/4$ -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)	Limit (mw)
2.402	1.182	1 ± 1	2	1.585	3.0
2.441	1.613	2 ± 1	3	1.995	3.0
2.480	2.048	2 ± 1	3	1.995	3.0
BLE Mode 1Mbps					
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (dBm)	Max power of tune up tolerance (mw)	Limit (mw)
2.402	0.866	1 ± 1	2	1.585	3.0
2.441	1.114	1 ± 1	2	1.585	3.0
2.480	1.477	1 ± 1	2	1.585	3.0

Conclusion:

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 v06.

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