

Report No.: TB-MPE160193

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RF Exposure Evaluation FCC ID: 2AP7B-A10

1. Client Information

Applicant	:	Shenzhen Jiabaile Technology Co., Ltd.		
Address		7th Floor, 5th Building, Fumin Industrial Zone, Qiaotou Community, Fuyong Street, Baoan District, Shenzhen, Guangdong, China		
Manufacturer	:	Shenzhen Jiabaile Technology Co., Ltd.		
Address	:	h Floor, 5th Building, Fumin Industrial Zone, Qiaotou Community, uyong Street, Baoan District, Shenzhen, Guangdong, China		

2. General Description of EUT

Z. General i	JE	Scription of EUT		
EUT Name		Bluetooth Speaker		
Models No.		A10		
Model Difference		N/A		
Product Description	N.	Operation Frequency:	Bluetooth 4.2(BT): 2402MHz~2480MHz	
		Number of Channel:	Bluetooth: 79 Channels	
): []	RF Output Power:	GFSK:2.387dBm π/4-DQPSK :2.415 dBm 8-DPSK :1.939 dBm	
		Antenna Gain:	0.9dBi PCB Antenna	
Power Supply	÷	DC Voltage Supply from USB Port. DC Voltage supplied by Li-ion battery.		
Power Rating		Input: DC 5V 1A Supply from USB Port. DC Voltage supplied by 3.7V 300mAh Li-ion battery.		
Software Version		N/A		
Hardware Version	÷	N/A		
Connecting I/O Port(S)	Š	Please refer to the User's Manual		

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

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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:

			1M 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	-0.820	-1±1	0	1.000	0.310	3.0
2.441	2.387	2±1	3	1.995	0.623	3.0
2.480	2.274	2±1	3	1.995	0.628	3.0
		2	M Mode (π/4-DQPSK)	Alle	0	
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	-0.752	0±1	1	1.259	0.390	3.0
2.441	2.415	2±1	3	1.995	0.623	3.0
2.480	2.327	2±1	3	1.995	0.628	3.0
Lilling			3M Mode (8-DPSK)		MALL	
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	-1.375	-1±1	0	1.000	0.310	3.0
2.441	1.939	1±1	2	1.585	0.495	3.0
2.480	1.701	1±1	2	1.585	0.499	3.0

Test separation: 5mm					
The worst RF Exposure Evaluation					
Worst Calculation Value	Threshold Value				
0.628	3.0				

The worst RF Exposure Evaluation is $0.628 / cm^2 < limit 3.0$, So standalone SAR measurements are not required.

----END OF REPORT----