RF Exposure Evaluation
FCC ID: 2AYMN-S350T

1. Client Information

Applicant	:	Shenzhen Jiuzhou Electronic Co., Ltd
Address	:	401, 1-7 Longling South Road, Pingxi Community, Pingdi Street, Longgang District, Shenzhen, China
Manufacturer	:	Shenzhen Jiuzhou Electronic Co., Ltd
Address	:	401, 1-7 Longling South Road, Pingxi Community, Pingdi Street, Longgang District, Shenzhen, China

2. General Description of EUT

EUT Name	:	S350T	
Model(s) No.	:	S350T	
Model Different	:	N/A	
Sample ID	:	20201104-11-1#& 20201104-11-2#	
Product Description	:	Operation Frequency:	Bluetooth 5.2: 2402MHz~2480MHz
		Number of Channel:	Bluetooth 5.2: 79 channels
		RF Output Power:	Bluetooth: -1.020dBm(GFSK)
		Antenna Gain:	2.26dBi FPCB Antenna
		Modulation Type:	GFSK, π/4-DQPSK, 8-DPSK
		Bit Rate of Transmitter:	1/2/3Mbps
Power Supply (Charge box)	:	Input: DC 5V 1A. Output: DC 5V 1A. DC 3.7V by 800mAh Li-ion battery.	
Power Supply (Earphone)	:	Input: DC 5V. DC 3.7V by 60mAh Li-ion battery.	
Software Version	:	V1.3	
Hardware Version	:	V1.1	
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.

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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)]*[$\sqrt{f_{(GHz)}}$] ≤3.0 for 1-g SAR
   [(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]*[$\sqrt{f_{(GHz)}}$] ≤7.5.0 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	-1.165	-1±1	0	1.000	0.310	**3.0**
2.441	-1.020	-1±1	0	1.000	0.312	**3.0**
2.480	-1.681	-1±1	0	1.000	0.315	**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	-1.710	-1±1	0	1.000	0.310	**3.0**
2.441	-1.514	-1±1	0	1.000	0.312	**3.0**
2.480	-2.132	-2±1	-1	0.794	0.250	**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	-1.281	-1±1	0	1.000	0.310	**3.0**
2.441	-1.123	-1±1	0	1.000	0.312	**3.0**
2.480	-1.767	-1±1	0	1.000	0.315	**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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