RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	R/C DRONE
Test Model	193MAX
Series Model	012, 011, 012S, 016, 186, 007, 660, 480, 870, T07, T60, T70, T80, SG900, SG906MAX, SG906MAX1, SG906MAX2, SG907MAX, SG907ES, SG908, SG908PRO, SG908MAX, SG908MAX1, SG908MAX2, 193, 193MAX1, 193MAX2, 193MAX2S, 011MAX, 011RTS, 193MINI, SG906MINI, 195, 196, 201, 202, 203, 205, 206, 208, 209, 211, 212, 213, 215, 216, 218, 219, 221, 222, 223, 225, 226, 228, 012PRO, 012MAX, 011PRO, 193MINI S, SG906MINI SE
FCC ID	2A45M-193MAX

2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v06
The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.
Where f(GHz) is the RF channel transmit frequency in GHz
Power and distance are rounded to the nearest mW and mm before calculation

3. CALCULATION

Antenna 1：
Pt=-2.837dBm=0.52mW
The value of the Maximum output power Pt is referred to the test report of the CFR47 §15.247.
The result for RF exposure evaluation SAR=(0.52mW /5mm) .[√2.470(GHz)]= 0.16<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

Antenna 2：
Pt=-4.159dBm=0.38mW
The value of the Maximum output power Pt is referred to the test report of the CFR47 §15.247.
The result for RF exposure evaluation SAR=(0.38mW /5mm) .[√2.439(GHz)]= 0.12<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

Antenna 1+2：
Pt=-0.67dBm=0.86mW
The value of the Maximum output power Pt is referred to the test report of the CFR47 §15.247.
The result for RF exposure evaluation SAR=(0.86mW /5mm) .[√2.439(GHz)]= 0.27<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.