WLAN / Bluetooth / Zigbee Maximum Power Document

FCC ID: A3LSIP007AFS00
Model: **SIP007AFS00**
Date: **2016.08.11**

1. The power levels listed in this document are maximum average power levels set at the time of production. The device will not operate at a power greater than the maximum allowed power. There is, additionally, no required minimum power for this transmitter. All transmissions of a given mode/configuration from this transmitter are required by design to be less than or equal to the maximum power + tolerance for that mode/configuration.

2. **WLAN** Maximum Conducted Output Power in Conducted Mode

IEEE 802.11(in dBm)						
Mode	Protocol	11a	11b	11g	11n	11ac
2.4 GHz	2437 MHz	N/A	16.5	12.5	13.5	N/A
5GHz (20MHz BW)	5180 MHz	15.5	N/A	N/A	15.0	16.0
	5320 MHz	15.0	N/A	N/A	14.5	15.5
	5500 MHz	14.0	N/A	N/A	13.5	15.0
	5825 MHz	13.5	N/A	N/A	13.0	14.5
5GHz (40MHz BW)	5190 MHz	N/A	N/A	N/A	13.0	12.5
	5310 MHz	N/A	N/A	N/A	12.5	11.5
	5510 MHz	N/A	N/A	N/A	11.5	10.5
	5795 MHz	N/A	N/A	N/A	11.0	10.0
5GHz (80MHz BW)	5210 MHz	N/A	N/A	N/A	N/A	11.5
	5290 MHz	N/A	N/A	N/A	N/A	11.0
	5530 MHz	N/A	N/A	N/A	N/A	9.5
	5775 MHz	N/A	N/A	N/A	N/A	9.0

(Upper Tolerance: target +0.5 dB)

*Note: The above maximum levels are for average output power, not peak output power. The maximum achievable powers listed above are for each band listed. The power in each band may vary lower in other channels and not be flat across the entire band. Power that may be lower on other channels is not an intentional lowering of the power for any compliance reason and is inherent to the circuitry design.

3. **Bluetooth** Maximum Conducted Output Power in Conducted Mode

Mode	Target Power
BDR	8.0 dBm
LE	4.0 dBm

(Upper Tolerance: target +0.5 dB)

3. **Zigbee** Maximum Conducted Output Power in Conducted Mode

Mode	Target Power
Zigbee 2.4GHz	7.0 dBm

(Upper Tolerance: target +0.5 dB)

SAMSUNG

*Note: The above maximum levels are for average output power, not peak output power. The maximum achievable powers listed above are for each band listed. The power in each band may vary lower in other channels and not be flat across the entire band. Power that may be lower on other channels is not an intentional lowering of the power for any compliance reason and is inherent to the circuitry design.