



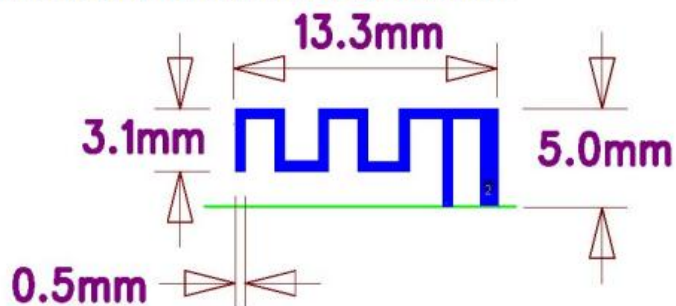
REGULATORY TESTING FROM START TO CERTIFICATE

1. Company: Solcharge
2. Product name: Solcharge
3. RF module/chip: TI CC2640
4. Antenna description

Antenna type	PCB antenna
Frequency range	2402MHz~2480MHz
Modulation	IFA
Antenna gain max (peak)	1.5dBm
Cable loss	NA
Connector type	direct

5. Antenna layout

Antenna Layout & module on the system board



6. Antenna radiation pattern
Please refer to [appendix A >>](#)



REGULATORY TESTING FROM START TO CERTIFICATE

Appendix A - Radiation Pattern

RP - Low channel	RP - Mid channel	RP - High channel																								
<div>2. Antenna Radiation Pattern</div> <div>Radiation pattern@2.400GHZ</div> <div>Antenna Max. Peak Gain:0.7dbi</div> <table><tr><th>Freq. [MHz]</th><td>2400</td></tr><tr><th>Eff. [%]</th><td>38.46</td></tr><tr><th>Antenna Max. Peak Gain</th><td>0.7dbi</td></tr><tr><th>Minimum Peak Gain of Antenna</th><td>-1.46dbi</td></tr></table> <div><div>2400.000MHz</div><div><div>2400.000MHz H</div><div>2400.000MHz E1</div><div>2400.000MHz E2</div></div></div>	Freq. [MHz]	2400	Eff. [%]	38.46	Antenna Max. Peak Gain	0.7dbi	Minimum Peak Gain of Antenna	-1.46dbi	<div>Radiation pattern@2.430GHZ</div> <div>Antenna Max. Peak Gain:1.5dbi</div> <table><tr><th>Freq. [MHz]</th><td>2430</td></tr><tr><th>Eff. [%]</th><td>43.35</td></tr><tr><th>Antenna Max. Peak Gain</th><td>1.5dbi</td></tr><tr><th>Minimum Peak Gain of Antenna</th><td>-0.65dbi</td></tr></table> <div><div>2450.000MHz</div><div><div>2450.000MHz H</div><div>2450.000MHz E1</div><div>2450.000MHz E2</div></div></div>	Freq. [MHz]	2430	Eff. [%]	43.35	Antenna Max. Peak Gain	1.5dbi	Minimum Peak Gain of Antenna	-0.65dbi	<div>Radiation pattern@2.500GHZ</div> <div>Antenna Max. Peak Gain:1.08dbi</div> <table><tr><th>Freq. [MHz]</th><td>2500</td></tr><tr><th>Eff. [%]</th><td>38.77</td></tr><tr><th>Antenna Max. Peak Gain</th><td>1.08dbi</td></tr><tr><th>Minimum Peak Gain of Antenna</th><td>-1.07dbi</td></tr></table> <div><div>2500.000MHz</div><div><div>2500.000MHz H</div><div>2500.000MHz E1</div><div>2500.000MHz E2</div></div></div>	Freq. [MHz]	2500	Eff. [%]	38.77	Antenna Max. Peak Gain	1.08dbi	Minimum Peak Gain of Antenna	-1.07dbi
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