



## REGULATORY TESTING FROM START TO CERTIFICATE

### **Intro**

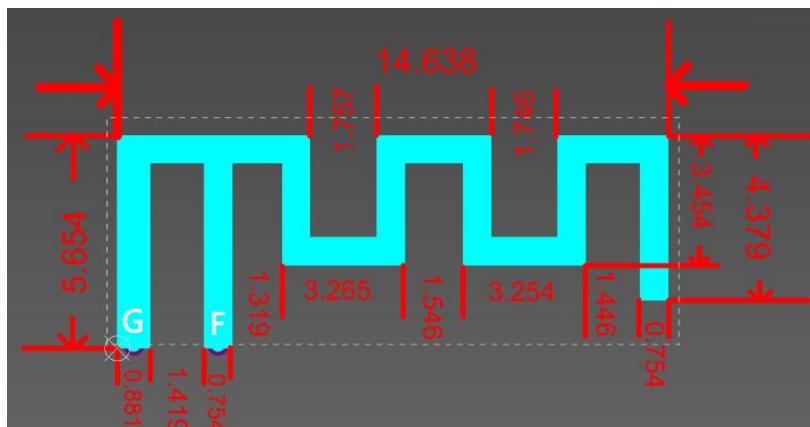
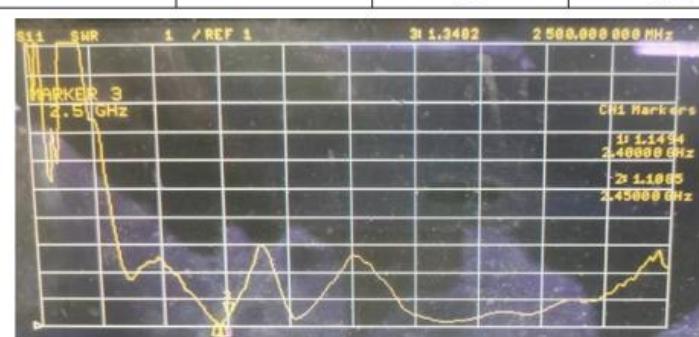
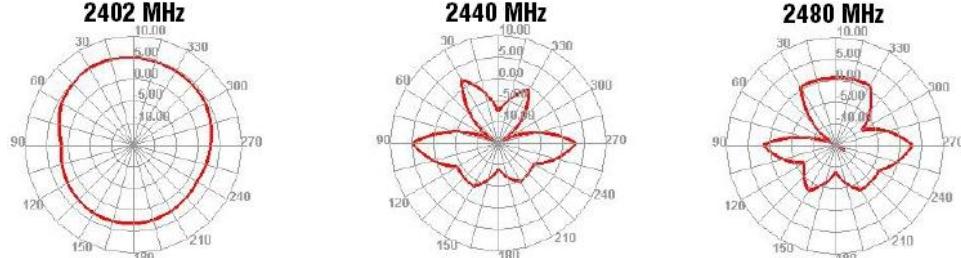
Antenna gain documentation required for all FCC Part 15 devices. Must provide either an antenna datasheet/specification or a test report with gain measurements and plots. This Information cannot be held confidential. Additionally, proprietary information of the design itself can remain confidential in either the 'operational description' or 'schematic'.



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## Antenna specification:

1. Company: Afimilk Agricultural Cooperative LTD.
2. Product name: Afi2Go Wand
3. RF module/chip: BLE ESP32-S3-MINI-1
4. Antenna description:

Antenna type	PCB								
Antenna manufacturer	ESPRESSIF SYSTEMS (SHANGHAI) CO., LTD								
Frequency range	2402-2480 MHz								
Antenna gain	4.54dBi								
Dimensions									
VSWR	<table border="1"><thead><tr><th>Frequency(GHz)</th><th>2.4</th><th>2.45</th><th>2.5</th></tr></thead><tbody><tr><td>VSWR</td><td>1.14</td><td>1.10</td><td>1.34</td></tr></tbody></table> 	Frequency(GHz)	2.4	2.45	2.5	VSWR	1.14	1.10	1.34
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VSWR	1.14	1.10	1.34						
Radiation Pattern									



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