



Intel® Wi-Fi 6E AX211

Model: AX211D2WL

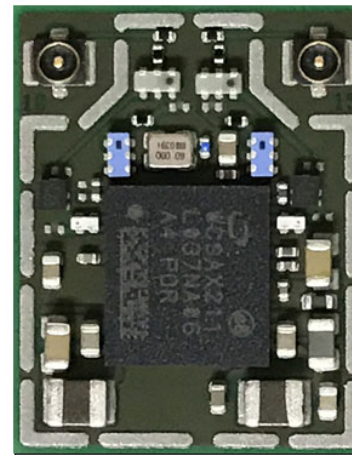
Front Side



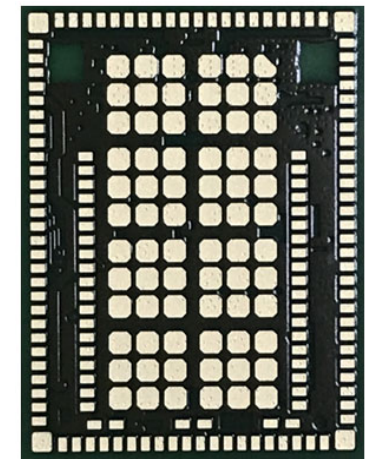
Front Side
w/ Marking



Without Shield



Back Side





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Model: AX211D2WL

1216 soldered on 2230 adapter for test purpose







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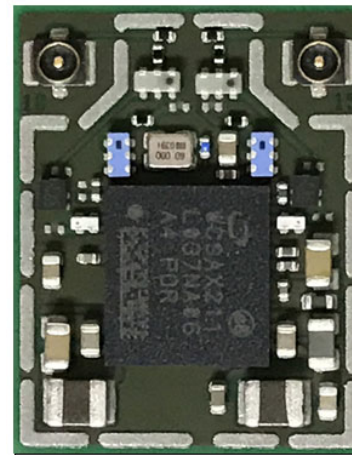
Front Side



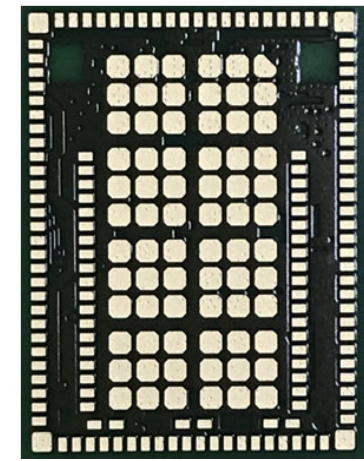
Front Side
w/ Marking



Without Shield



Back Side





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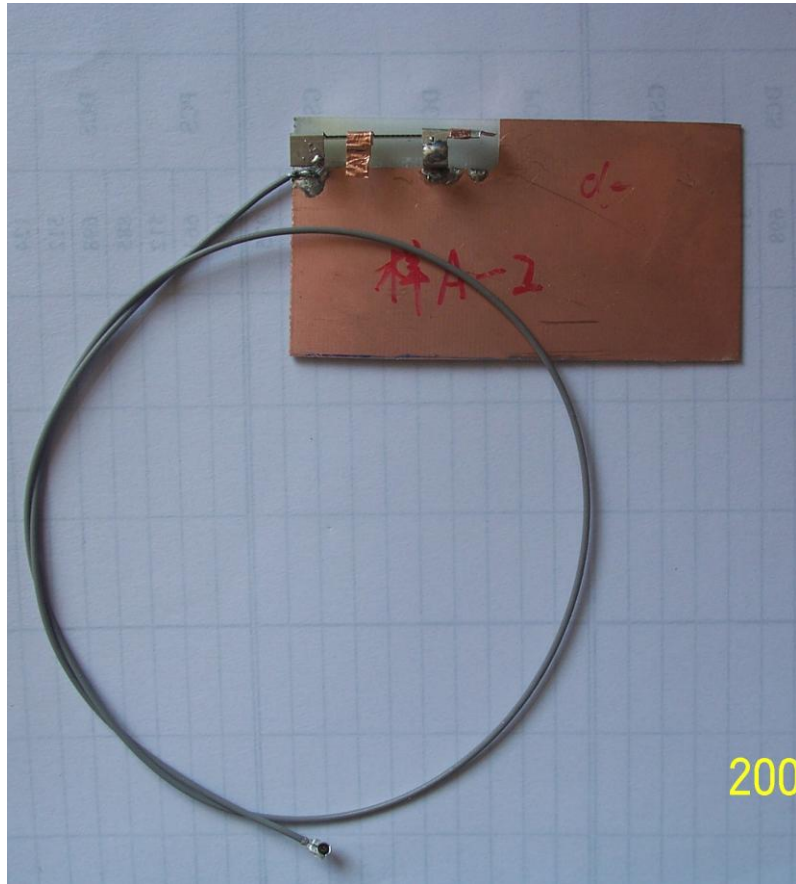
1216 soldered on 2230 adapter for test purpose





1 Summary of the Test results

The test fixture was made for further testing, which was shown below.



2. Test Result

2.1 RF Performance

2.1.1 S11 Measurement

The S11 parameter was performed using a Hewlett Packard E5071B Network Analyzer. We use a 45cm long 1.13 cable to mitigate surface currents on the outside of the testing cable.

We used no matching circuit .

The S11 parameter was shown below, you could check it.

| SUC ANT S11 parameter Summary | | | | | | |
|-------------------------------|---------------------------------|--------|-------|-------|-------|--------|
| Band | 2.3 ~2.7&3.3~3.8&5.15~5.85(GHz) | | | | | |
| | 2.3 | 2.7 | 3.3 | 3.8 | 5.15 | 5.85 |
| R.L (dB) | -16.59 | -11.22 | -8.87 | -8.96 | -8.46 | -10.04 |
| VSWR | 1.35 | 1.76 | 2.13 | 2.11 | 2.22 | 1.92 |

You could also check in detail in below figures.

S11 parameter of sample antenna tested in free space