

FCC ID QIPELS81-US Pcb Comparison for C2PC

Intel 2019-05-13

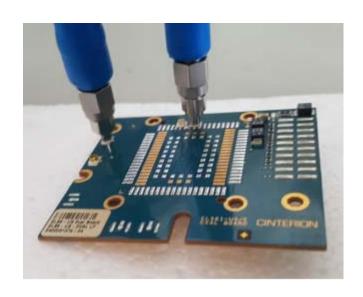
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S Parameter Measurement – R&S VNA ZVRE

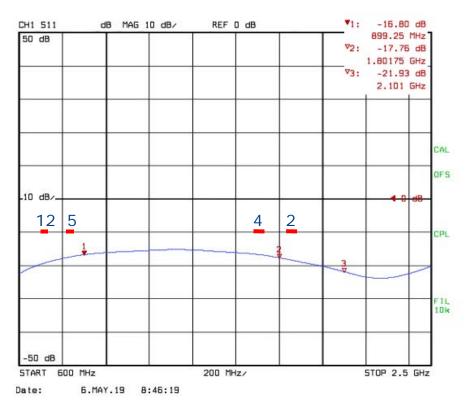


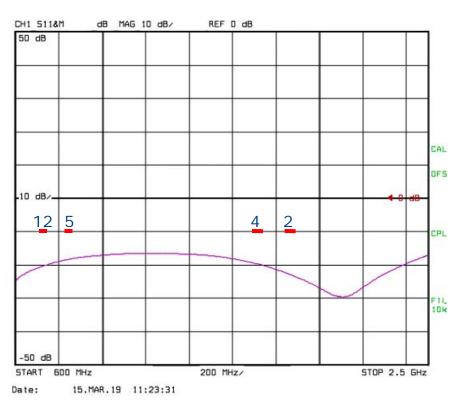


Initial Submission PCB → C2PC request PCB

(Intel[®]

S11 – Return Loss

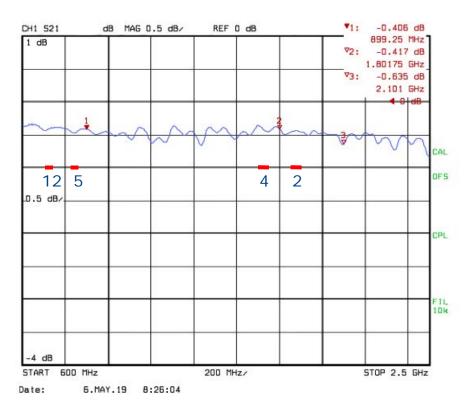


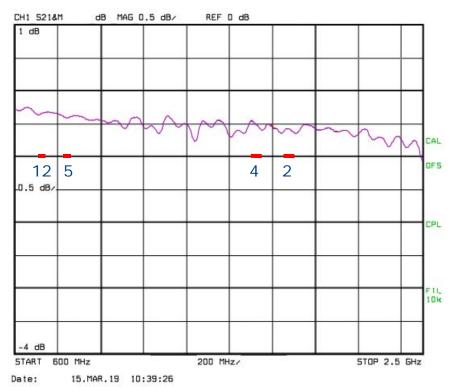


Initial Submission PCB → C2PC request PCB

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S21 – Path Loss





Initial Submission PCB → C2PC request PCB

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Conclusion

- S11 Return Loss Impedance Adaptation is in both case below -17dB so very good adaptation → no significant difference and impact on transmitted / received signal
- S21 Path Loss difference is less than 0.1-0.2dB that is also non significant for transmitted/received signal
- Variant PCB RF Traces are designed following guidance from module vendor and don't show significant difference



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