FCC ID QIPELS81-US
Pcb Comparison for C2PC

Intel 2019-05-13

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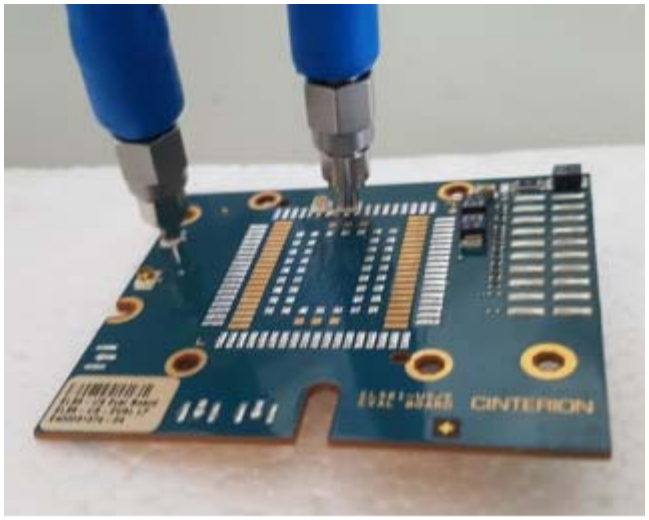
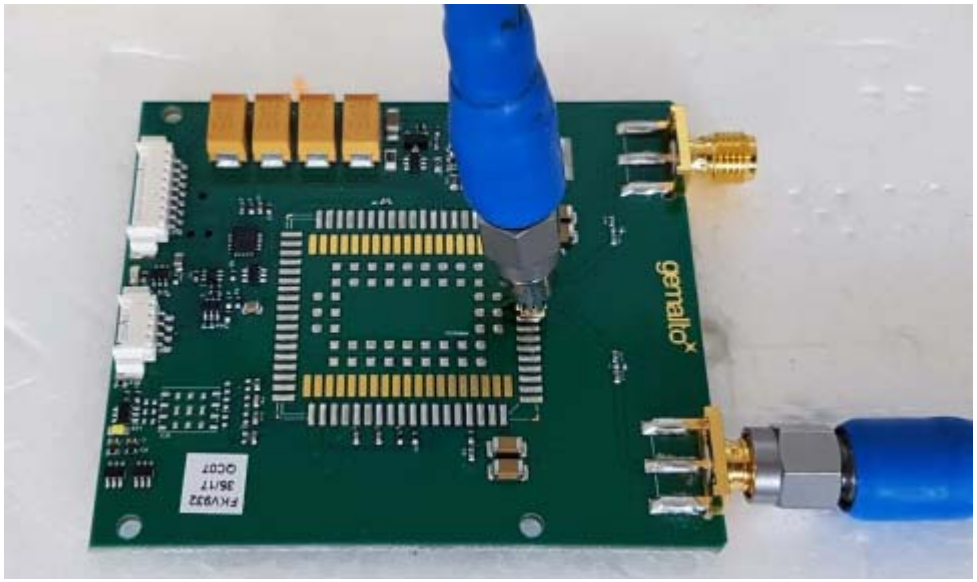
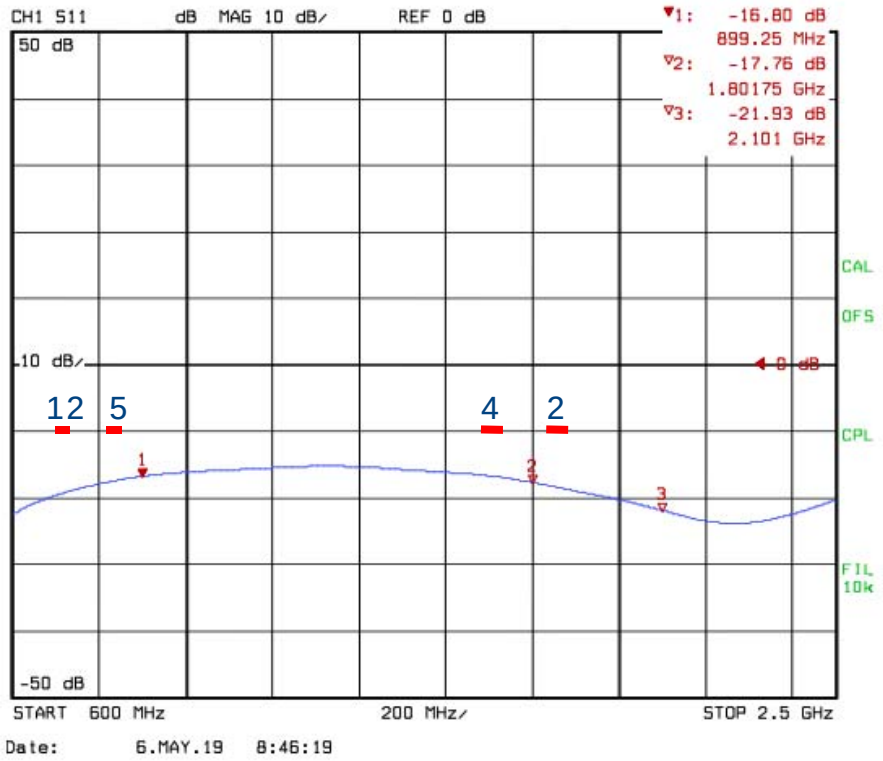
S Parameter Measurement – R&S VNA ZVRE

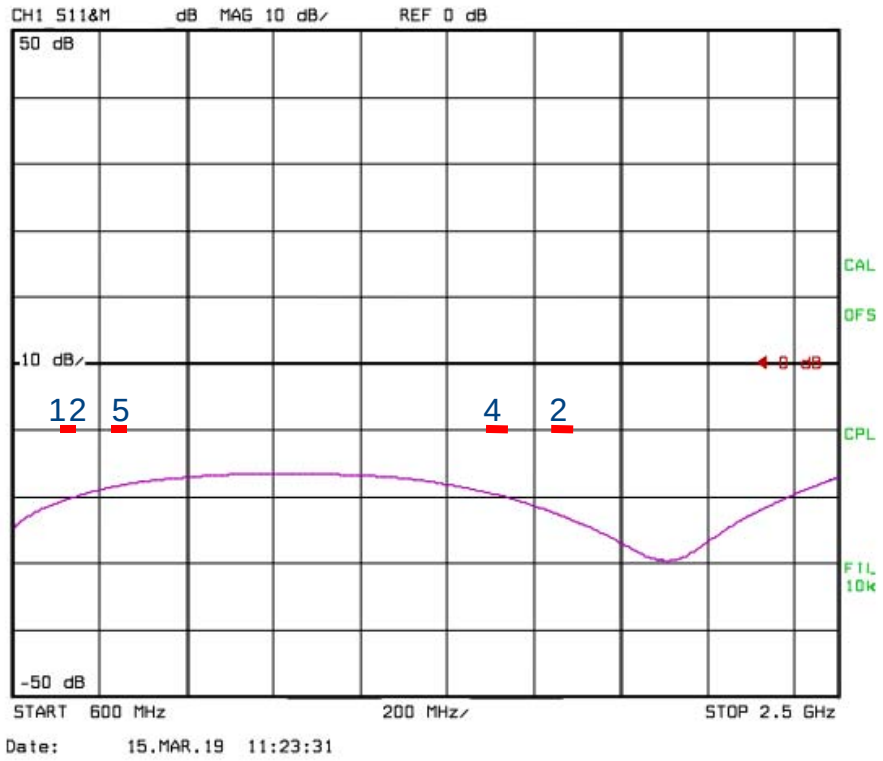




Initial Submission PCB → C2PC request PCB

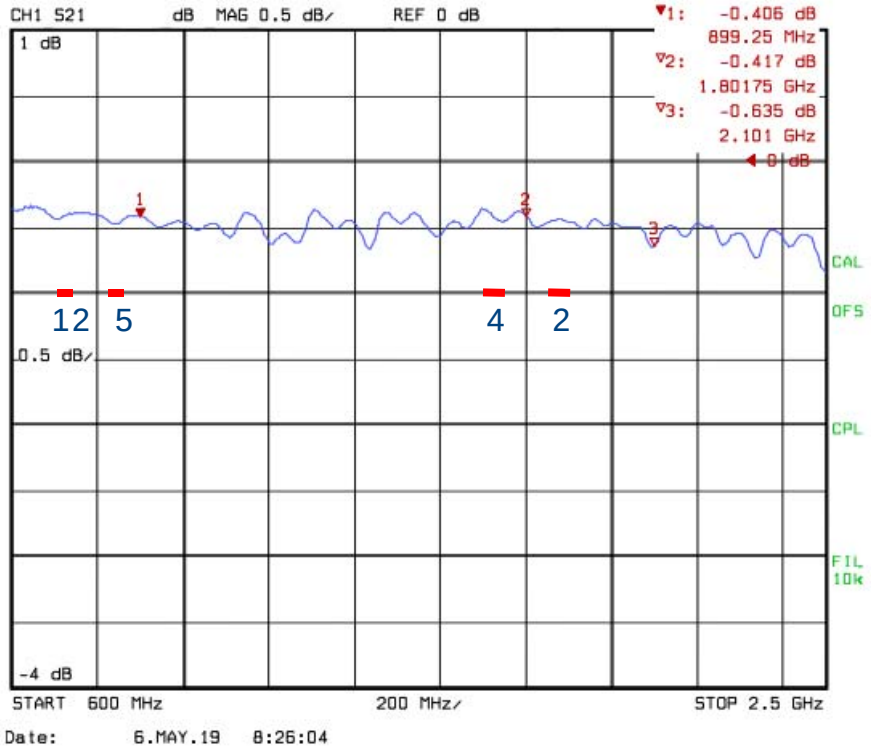
S11 – Return Loss

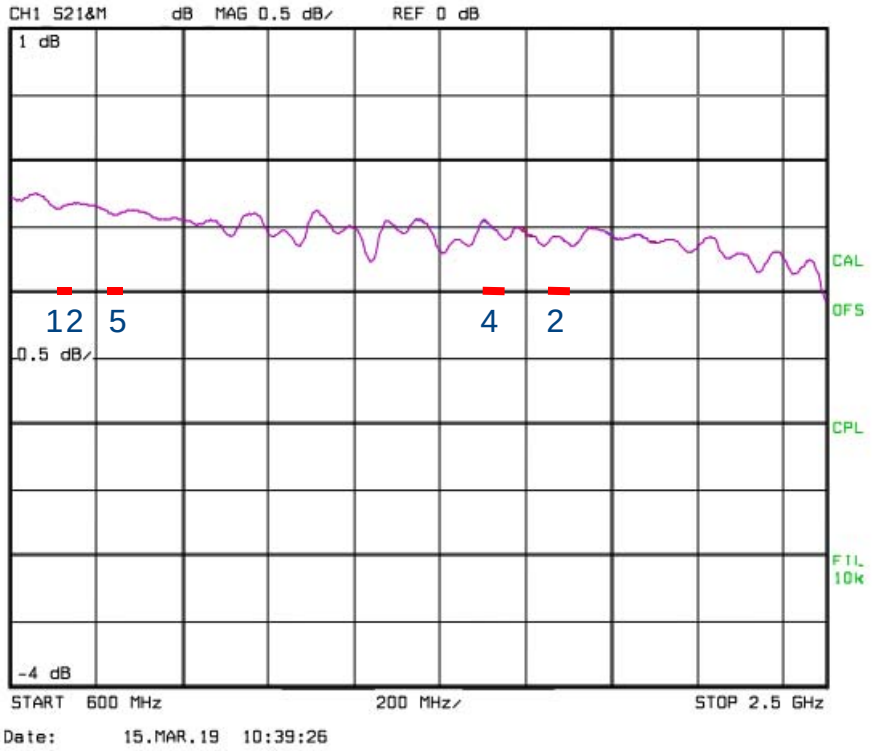




Initial Submission PCB → C2PC request PCB

S21 – Path Loss

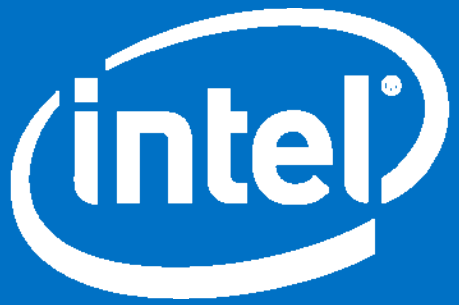




Initial Submission PCB → C2PC request PCB

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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