

End-product: Medical Diagnostic Imaging System

Application: Pt-Pt system communication



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Customer needed to evaluate radio for ease of integration and performance.

PLATFORM

- **OS:** FreeRTOS
- **MCU:** i.MXRT1160 or i.MX1064

CEL SUPPORT TO WIN DESIGN

- **Immediate Support:** Customer obtained CMP9010-1-EVB in <24 hours.
- **Plug and Play:** The CMP9010-1-EVB directly interfaces with NXP's i.MXRTxxx development boards.
- **Software Excellence:** Within a day, CEL re-configured existing i.MXRT1060/1170 driver examples for the i.MX1160/1064 and pushed to CEL repository for the customer.
- **New Drivers at Their Fingertips:** Customer easily downloaded new drivers which enabled them to take full control of the CMP9010-1-EVB.
- **Outstanding Customer Field Test Results:** Customer achieved long distance performance through radiation shielded glass, in noisy environment, with on-board antenna.

Exceeding Customer Expectations



OUTCOME

- **Exceeding Expectations:** Customer was pleasantly surprised they were able to reliably connect at the distance they tested, through the special glass window, and overcoming all the environmental noise.
- **Cost-Effective Solution:** The system eliminated the need for an external antenna.
 - Reduced BOM cost
 - Reduced installation costs
 - Eliminated point of failure
- **The Easy Choice:** CEL gave no opportunity or reason for customer to evaluate Infineon, Qualcomm, or anyone else. Customer moved on to next part of project once field testing was done.



Reliable Connectivity Through Special Glass