

# Qualcomm PCOEM Customer Host Platform Compliance Assessment Program

80-YA111-1 Rev. C

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# Revision History

Revision	Date	Description
A	October 2015	Initial release
B	April 2017	Overall updates to program description; added references to RSE spot check guide
C	March 2026	Update company name, process, and legal statements and legends

# Qualcomm PCOEM Customer Host Platform Compliance Assessment Program

- This program is **mandatory** for all Qualcomm Technologies Inc. (QTI) PCOEM customers for all their platforms integrated with certified QTI modules.
- All new host platform models must each be submitted for assessment.
  - The same host design using different QTI modules must be individually submitted.
  - The same module used in different host platforms must be individually submitted.
  - The program includes two stages:
    - **Stage 1** – Initial host system review and assessment by UL Verification Services
    - **Stage 2** – Three scenarios, depending on outcome of assessment:
      - Possible SAR testing and C2PC filing
      - Part 15 radiated emission test, SAR test, and C2PC filing for all MoB and SiP module integrated host platforms
      - RF exposure testing is not required to support a Class 1 Permissive Change.
- Stage 1 is free for all customers, fully paid by QTI.
- Stage 2 financial responsibility is on Qualcomm customers, with available Qualcomm regulatory support.

# Summary of the Program

## ■ What the program does:

- Offers a path for host system to comply with RF exposure requirements with professional assessment and option of full testing and certification service.
- Provides a standardized, automated host system submission system for host RF exposure assessment
- Ensures radiated emissions of MoB or SiP integrated host platforms are in full compliance
- Provides PCOEM customer following procedure to submit host system for assessment and receive feedback within 14 days of submission
- Manages testing/certification within customer's launch timeline

# Stage 1 - PCOEM Customer Host Submission (1 of 2)

- Prerequisite: A three-way NDA must be in place; if not, PCOEM needs to plan time to get through with the NDA. This needs to be done only once. We suggest customers send NDA contact information as early as possible to [QCA.C2PC@qti.qualcomm.com](mailto:QCA.C2PC@qti.qualcomm.com) for Qualcomm to initiate the NDA process.
- Per agreement between PCOEM and its ODM, submissions may be made from ODM. If so, a three-way NDA will need to be in place with the submitting ODM.
- Submission form – Refer to 80-PA439-2
  - Complete and name the file as instructed in slide 7.
  - Application attachment file size limit is 15 MB.
  - If the XLS file is larger than 10 MB, use Winrar to split the XLS file into multiple emails.

# Stage 1 - PCOEM Customer Host Submission (2 of 2)

- Pre-assessment email details
  - **Host platform submission address:** [RFESubmittal@ul.com](mailto:RFESubmittal@ul.com)
  - **Email subject header:** Put the name of the application form (see below) *PCOEM\_modulename\_ODM-hostmodel\_yyyy-mm-dd*. **This is important** because it helps to ensure the submission is not confused with other submissions and helps speed up the process.
  - **Naming of application form:**
    - Follow the standing file naming format detailed below:  
*PCOEM\_Modulename\_ODM-hostmodel\_yyyy-mm-dd.xlsx*, where:
      - **PCOEM:** PCOEM company name abbreviation up to 5 characters
      - **Modulename:** QTI module name (for example: QCNFA765, QCNCM865)
      - **ODM:** ODM name
      - **Hostmodel:** Host model number
      - **yyyy-mm-dd:** Date of application form submission from customer
      - Example: **BrndX-SuperT\_QCNCM865\_XYZCo\_2026-02-13.xlsx**
  - **Antenna spec sheet requirements**
    - Each antenna spec sheet must include all of the following information:
      - **Peak gain**, including cable loss information of each approved frequency band of the QTI module.
      - **Radiation pattern** for each band. The gain on the radiation pattern must match the gain on the summarization table.
      - **Antenna type:** (e.g., PIFA, monopole, dipole)
      - **Mechanical drawings** of each antenna element showing dimensions
      - **Photos** showing each antenna element. (Drawings are not sufficient. Photos must be included.)

# Stage 2 - PCOEM Customer Submission Program (1 of 3)

## ■ Pre-assessment Process

- Upon application submission to [RFESubmittal@ul.com](mailto:RFESubmittal@ul.com), customers will receive a receipt email from UL indicating the receipt of submission and date of receipt.
- UL VS will respond within 14 days upon receipt of the host platform submission, with assessment result.
  - Once conclusion of submission is reached and if testing is required, UL VS will issue a quote and/or PO if OEM selects site as UL VS
  - RF exposure in compliance without additional SAR assessment
  - UL assessment result will be issued in an official letter with UL letterhead

## ■ RSE test and Power reduction

- If C2PC is required to the host platform. RSE spot check test and SAR test must be completed for C2PC submission. Please contact Qualcomm CE or Regulatory team for RSE spot check test table.
- If during the SAR test power reduction is necessary in order to pass SAR test or power reduction is required during the RSE test. Qualcomm Regulatory must be notified and provided with the reduced power table.
- If power reduction (CTL or SAR) through CTL BDF. Please contact the QUALCOMM Customer Engineer (CE) in order to arrange for a custom CTL to be checked into software.
  - PCOEM will receive a new reduced CTL table and must implement the reduced CTL table for the host platform to ensure compliance.
  - Upon receiving the BDF (board data file) containing the custom CTL, inform the regulatory engineer of the BDF file name for efficient processing of the application paperwork
- If power reduction is achieved via ACPI configuration. The ACPI configuration power value must be provided in the RSE spot check test table for Qualcomm review.

# Stage 2 - PCOEM Customer Submission Program (2 of 3)

## ■ Formal submission

### □ Class I Permissive Changes

- If the pre-assessment stage (Stage 1) found that a Class I Permissive Change (C1PC) is allowed, then formal submission of test data is not necessary, however customers are encouraged to obtain spot check test data in order to ensure compliance internally.
  - SAR – spot check worst-case configurations for devices that fall into the portable RF exposure category (but where antenna-to-user separation is greater than the minimum required by modular SAR guidelines).
  - RSE – spot check worst-case test cases. Qualcomm document 80-PA439-1 *RSE Spot Check Guidance for QTI Module Customers* may be used as a guide.
  - Maintain test records internally for possible future auditing purposes.

## ■ Class II (FCC) or Class IV (ISED) Permissive Changes

- If it is necessary to file a Class II/IV Permissive Change (C2PC or C4PC), then the following materials are required:
  - Formal SAR reports for FCC and/or ISED, including Appendices
  - Spot check RSE data measured in accordance with Qualcomm document 80-PA439-1 RSE Spot Check Guidance for QTI Module Customers. This document should be made available in Qualcomm's CreatePoint data access server for all formal module customers.
  - If RSE spot check data was found to be non-compliant and power reduction was required in order to pass spurious emissions, then a full formal RSE test report will be required to be included and provided to Qualcomm for review.
  - Confirmation of CTL check-in to software and BDF file name (see section titled "Power Reduction" on page 8).
  - Upon submitting completed application paperwork to the test lab for TCB review, please forward the TCB project numbers to Qualcomm for efficient tracking of projects. This will make it easier for Qualcomm to answer questions from the TCB when they arise.

# Stage 2 - PCOEM Customer Submission Program (3 of 3)

## ■ Lab selection

- PCOEM customers may decide to use UL VS for the host SAR test or their selected lab for the SAR/Part 15 test.
- If a PCOEM customer decides to use their own chosen lab for SAR/Part 15 test, it is required that FCC/IC Class II Permissive Change filing must be made through UL TCB.
- If a PCOEM customer chooses to use the UL VS for host system SAR test, the customer needs to prepare sample for the SAR test, provide a PO, and book a test schedule.
  - Sample host platform should be shipped to the UL VS:

Attention: Qualcomm Host System Assessment Project Administrator

Address: UL VS

47173 Benicia St.

Fremont, CA 94538

USA

- Should the host SAR exceed the limit and power reduction is necessary, UL VS will engage QTI Regulatory and Customer before moving forward.
- UL VS will inform the customer upon completion of the test and completion of C2PC.
- UL VS will return the host sample to the PCOEM customer upon project completion.

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