KDB Data Referencing

Date: 2025/08/18

KDB 484596 v03 – Data Referencing

"2.1 Differences from the Parent Model Allowed for a Variant

A proposed variant may be acceptable (for the Data Referencing process) if, compared to its parent, it only contains differences that do not impact the validity of the referenced data. In other words, **the referenced data can still be considered sufficient to demonstrate the variant's compliance fully**.

The essential (and qualitative) requirement is that variants must have the same materials, form factors, functions, printed circuit board (PCB) layout, and components as the parent."

Further

"The guiding principle for accepting a Data Referencing Plan is based on the assessment that the modifications in the variant(s) only "marginally" affect RF emissions, as reported in the parent model test data that are being referenced."

Parent FCC ID: 2BO4Q-VMODULE200A (model name: Velaris 200)

Variant FCC ID: 2BO4Q-V200 (model name: VM01)

The Velaris 200 **is** the VM01. Absolutely no changes to the VM01 have taken place being 'incorporated' to the Velaris 200. It is an entire unchanged product, with a variant antenna enclosure, under a new ID.

We attest

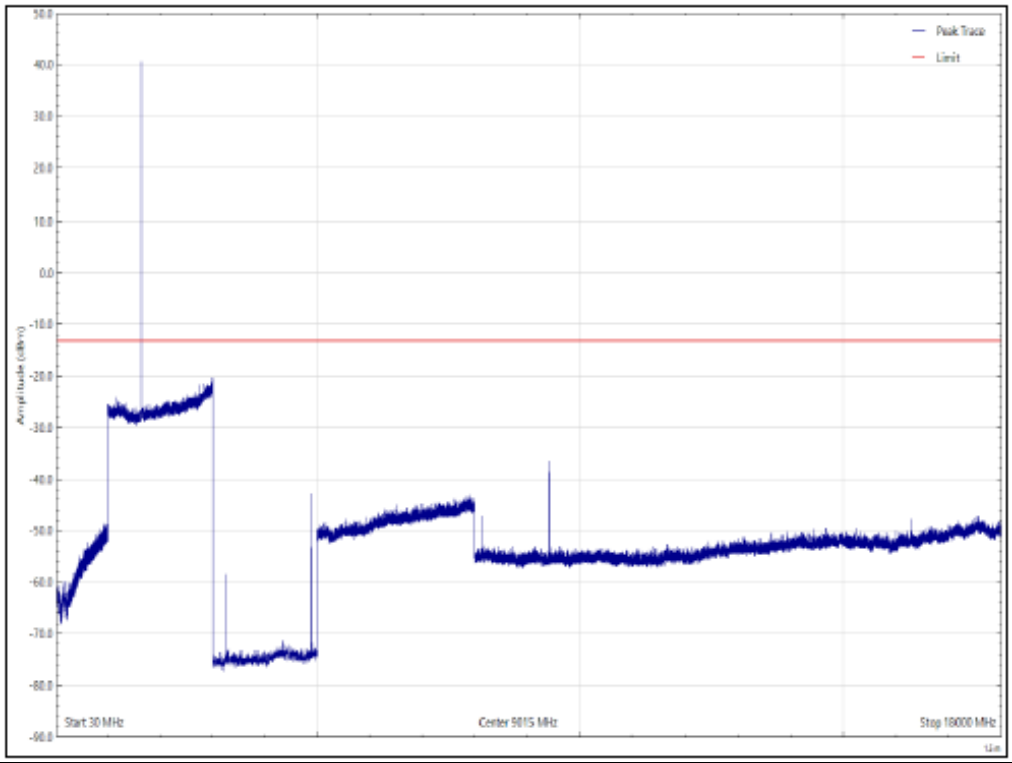
- No hardware or software changes to the certified parent.
- Power table is identical.
- Antenna is same type to original certification and same gain (no changes to report EIRP values), is only a change to non-metallic antenna enclosure.
- The referenced data can still be considered sufficient to demonstrate the variant's compliance fully under the above wording. Diligence testing has been undertaken and provided to the TCB for evaluation.
    - Original Report: Document 75962190-21 Issue 03
    - Diligence Variant Report: Document 75962190-20 Issue 02

We certify the correctness of the following evidence as a comparison for submission to the TCB to ensure the 'guiding principle' of this KDB is followed; that the variant only *marginally* effects the reported characteristics by directly comparing the Radiated Spurious Emissions measurements spectrum analyser plots.

Signed: Matthew Hill

Print Name: Matthew Hill

Original
30 MHz – 18 GHz. Bottom channel, horizontal polarization, X orientation.



Variant
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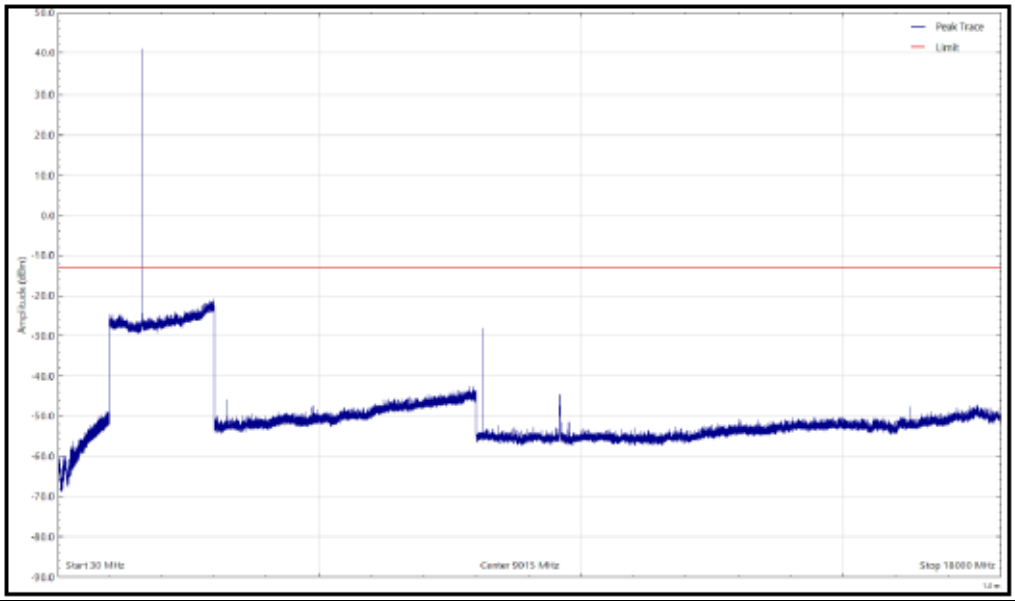

TCB Evaluation:

Worst-case emission <0.2dB variance. Accepted.

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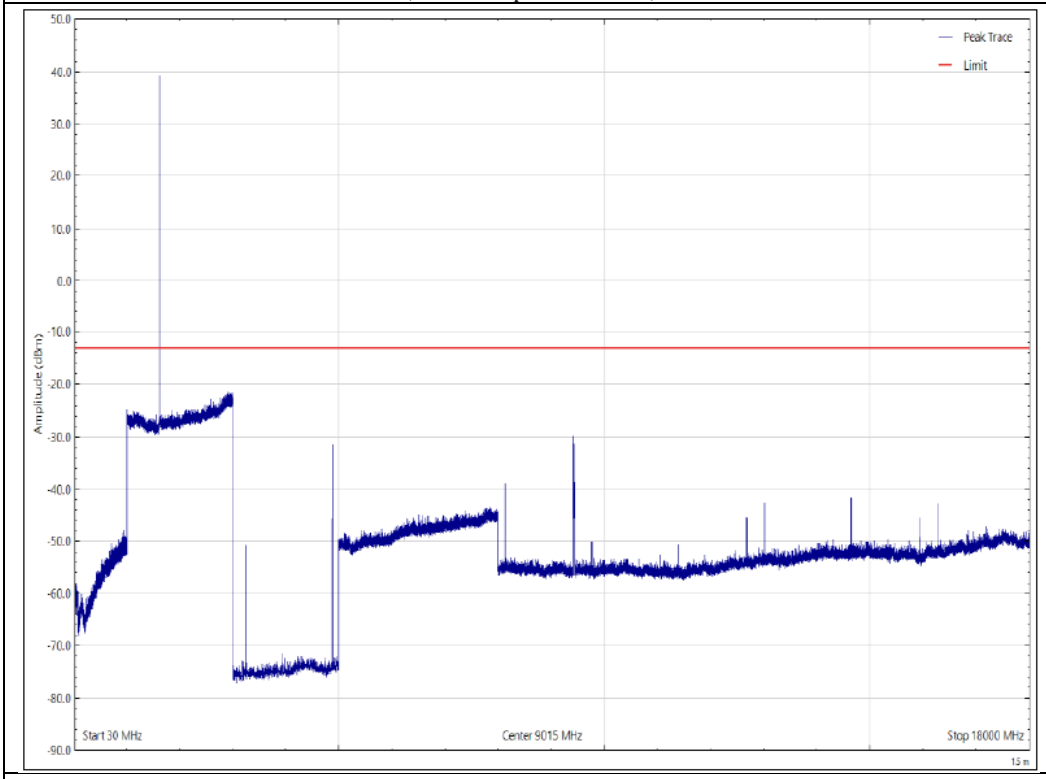

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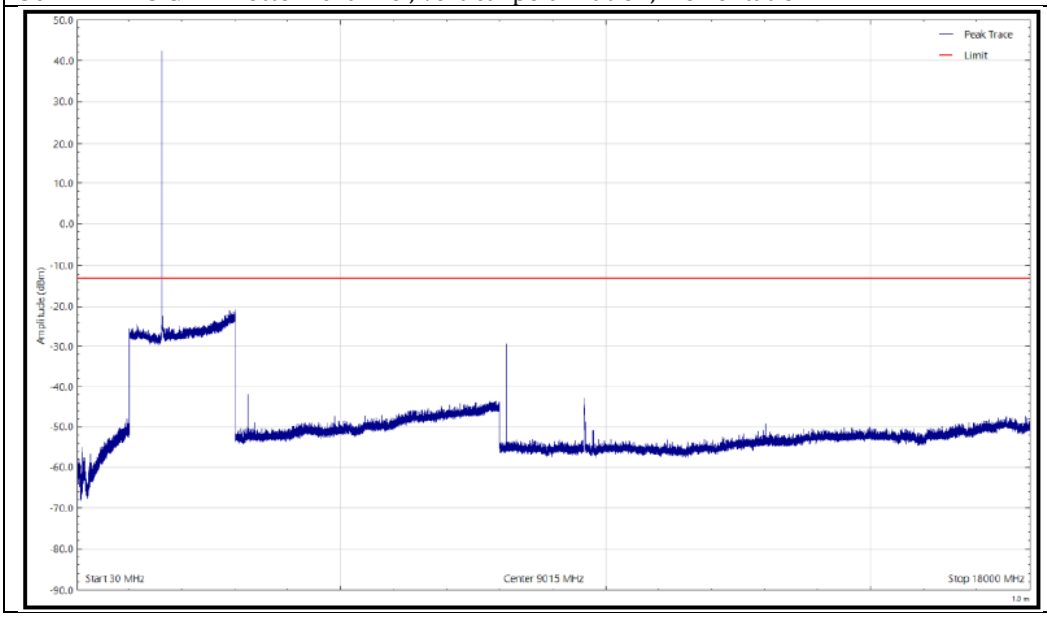

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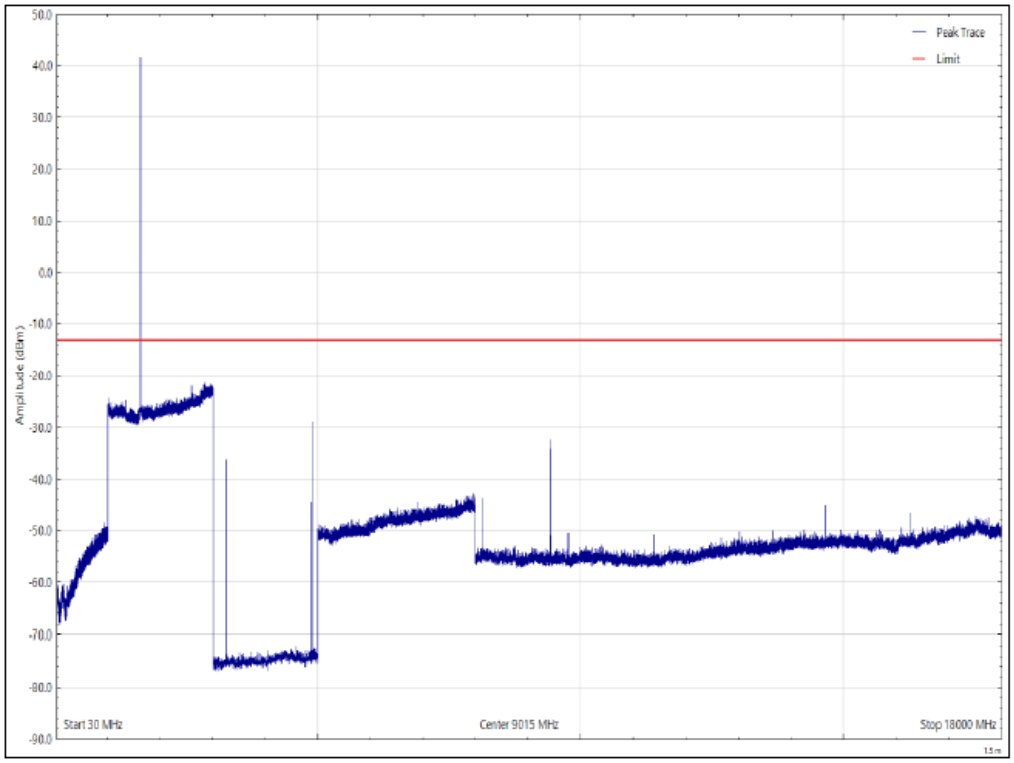

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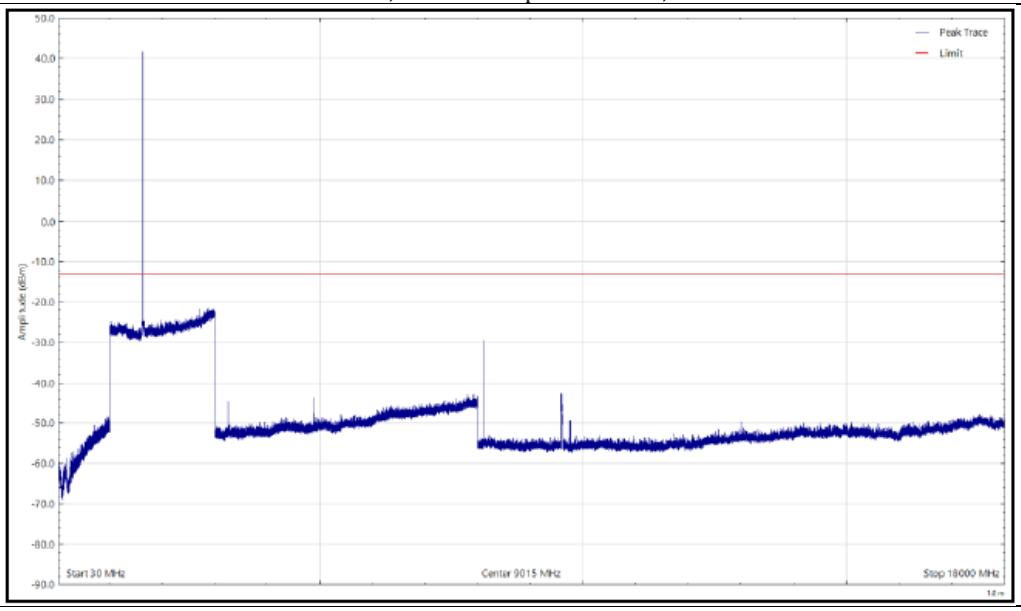

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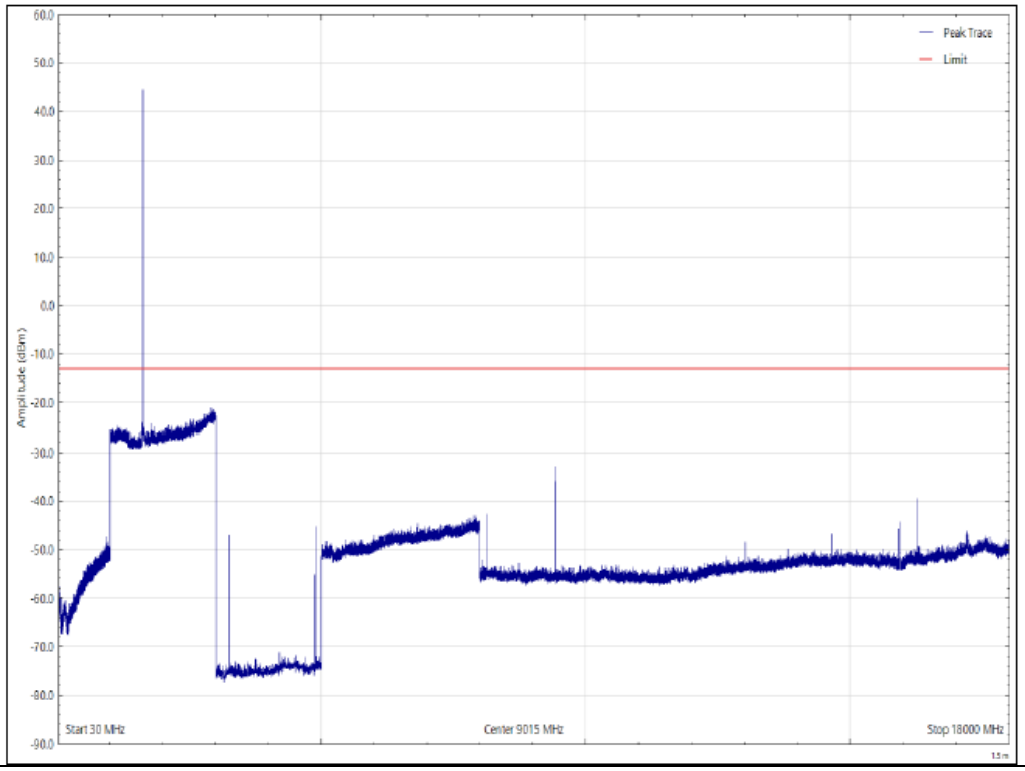

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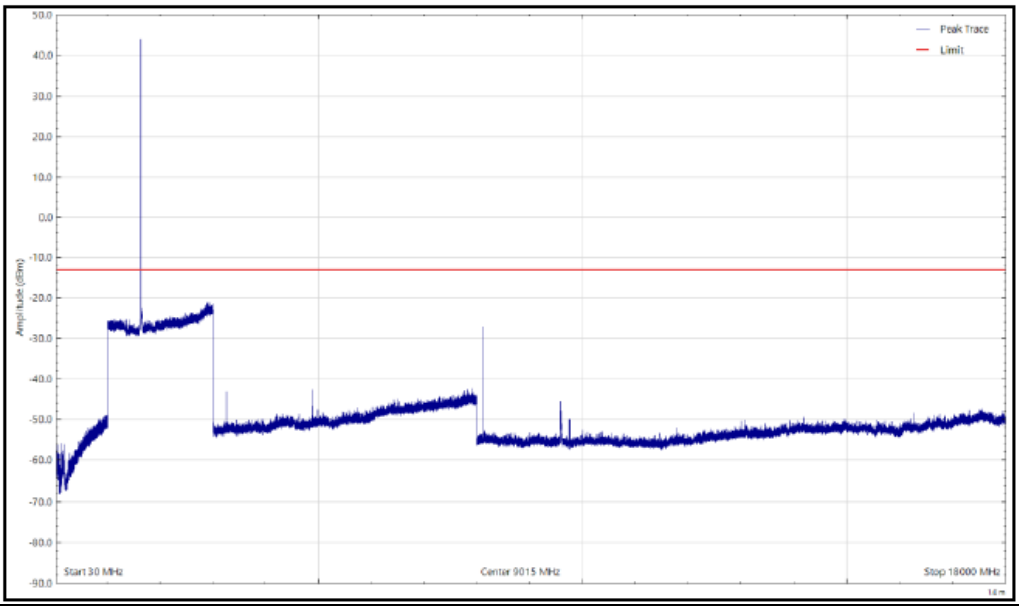

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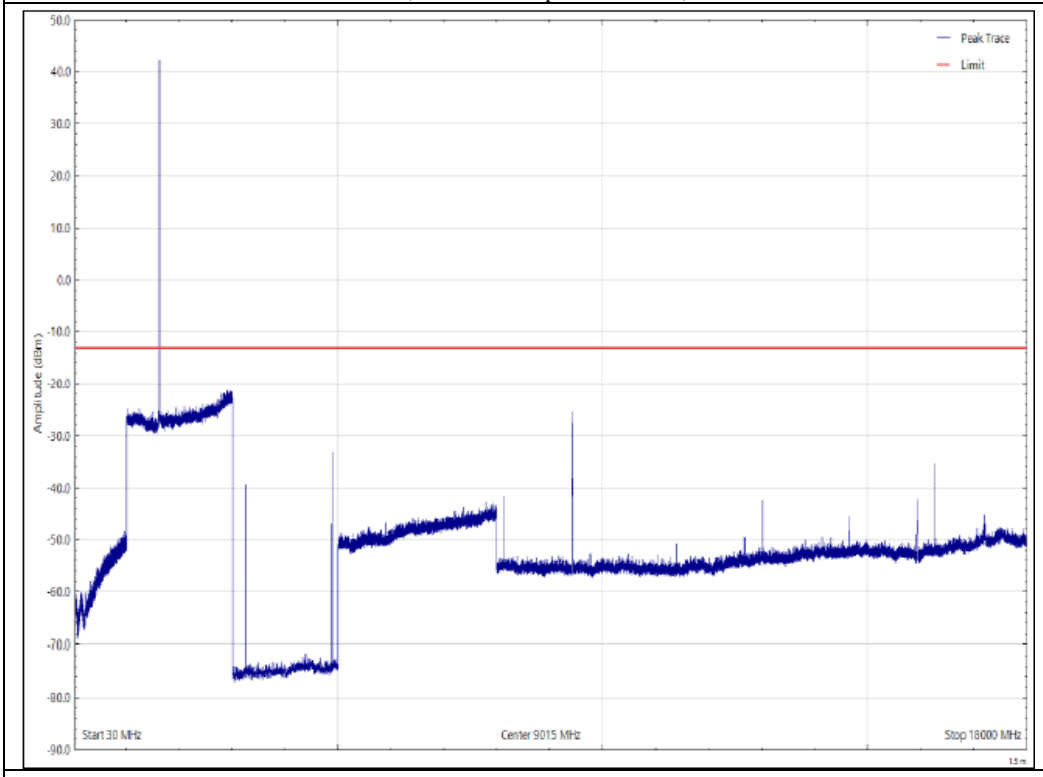

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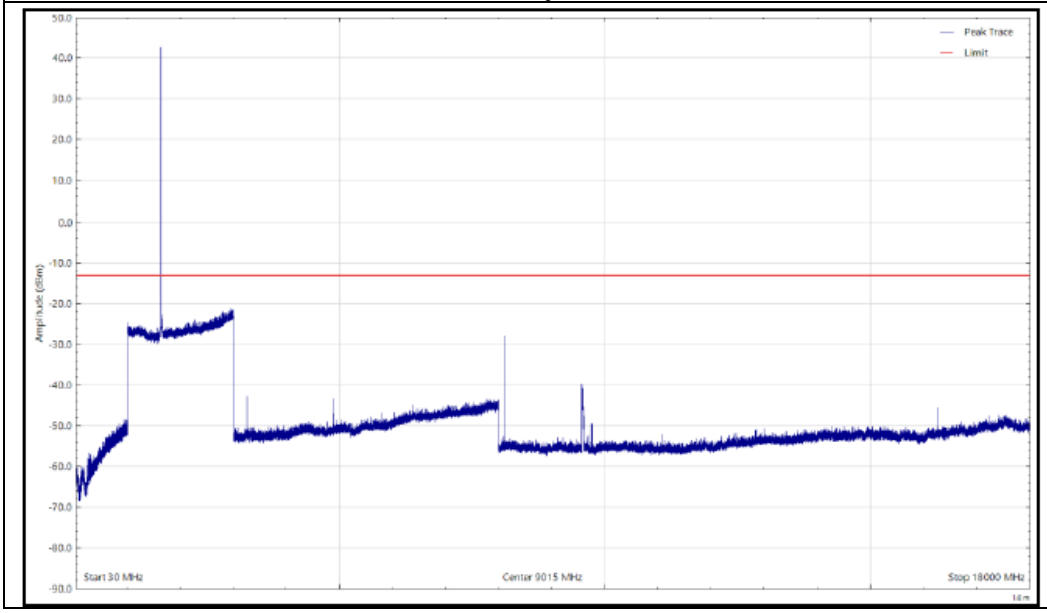

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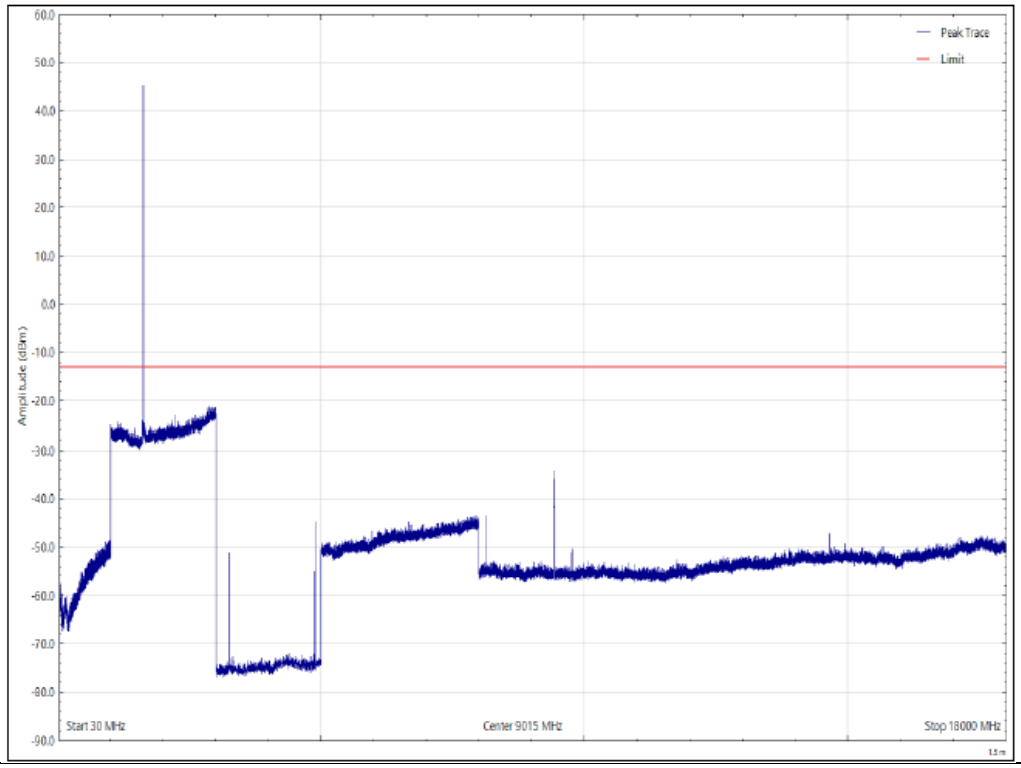

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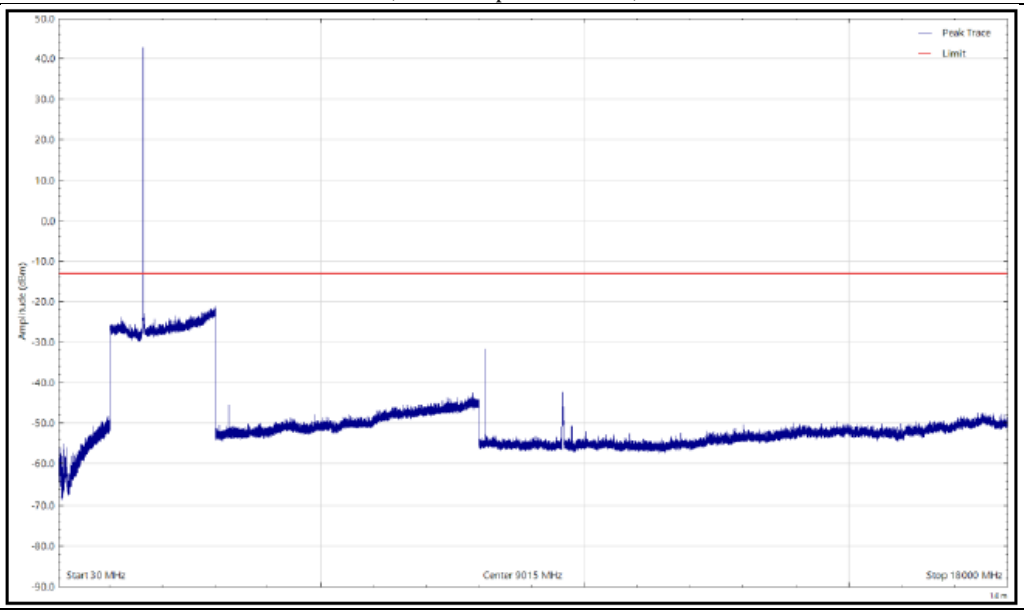

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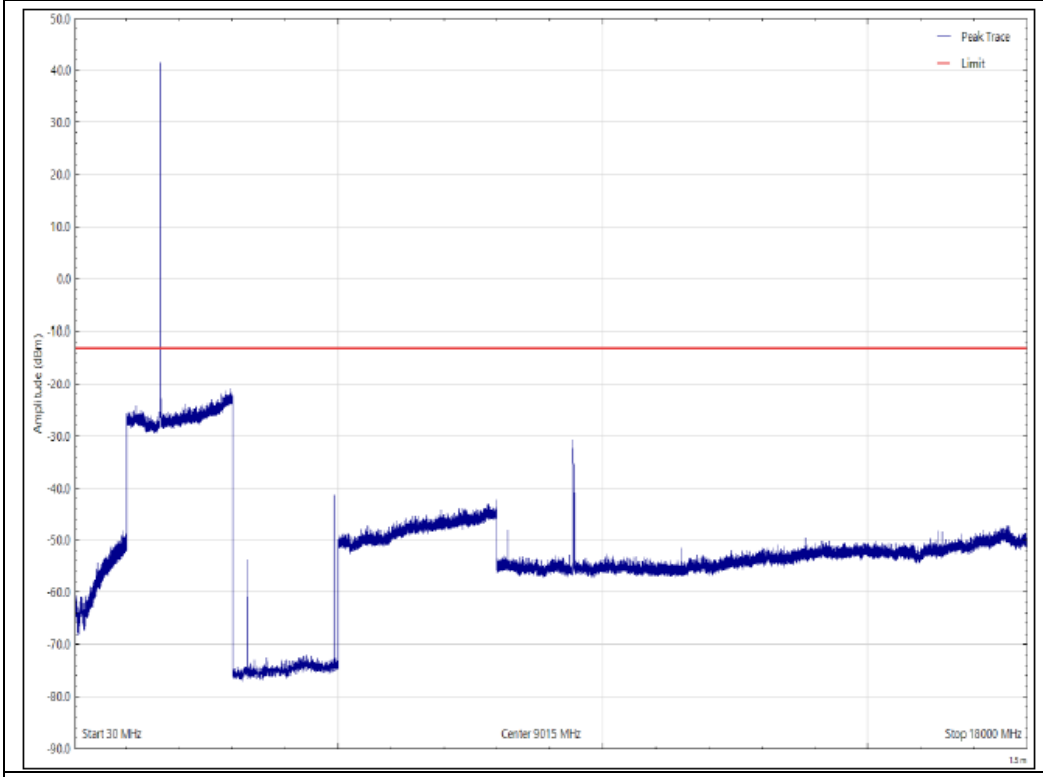

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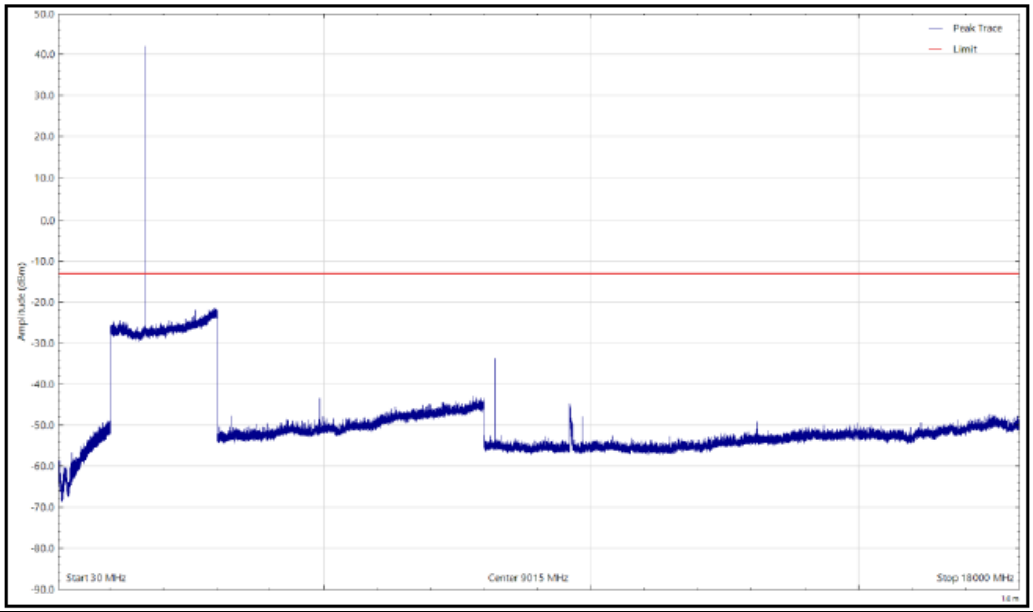

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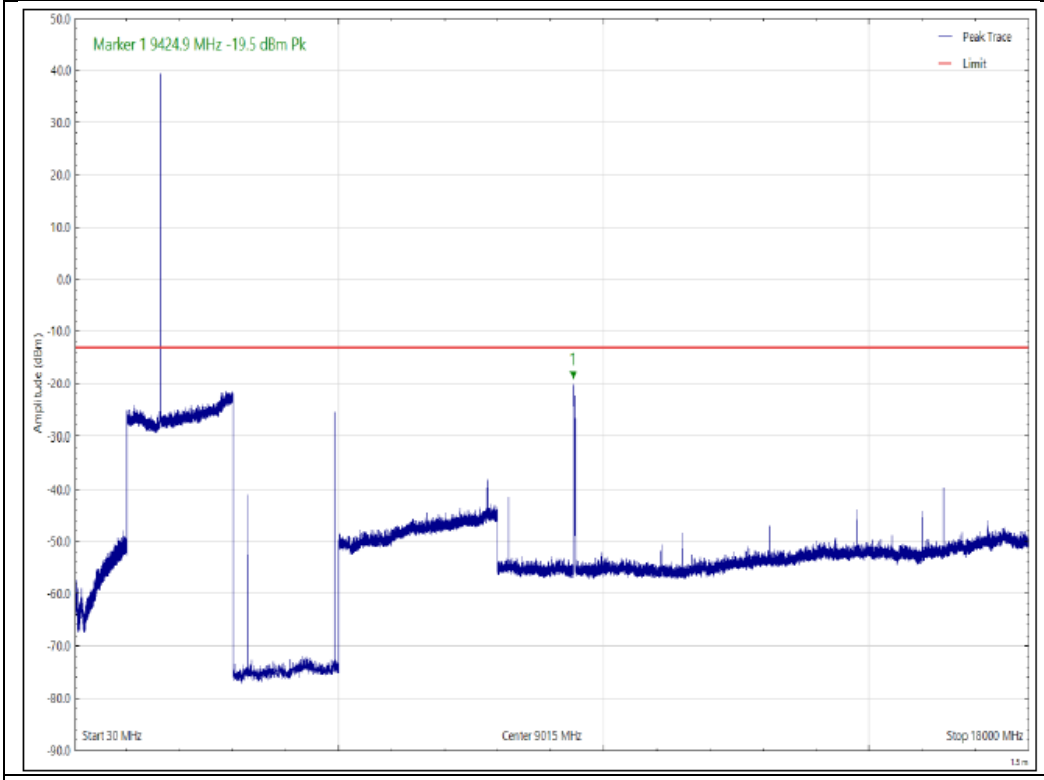

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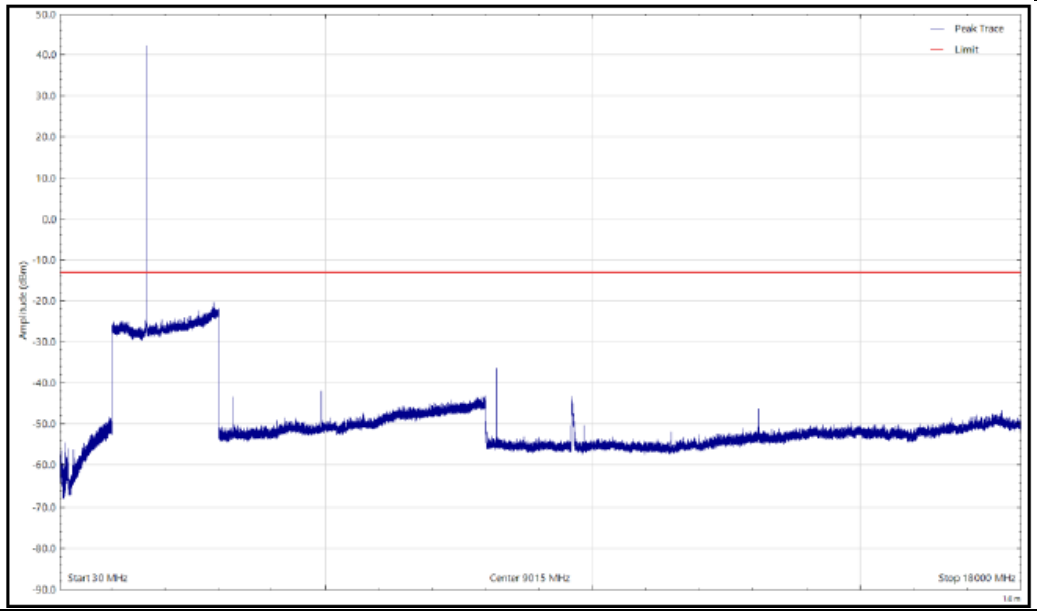

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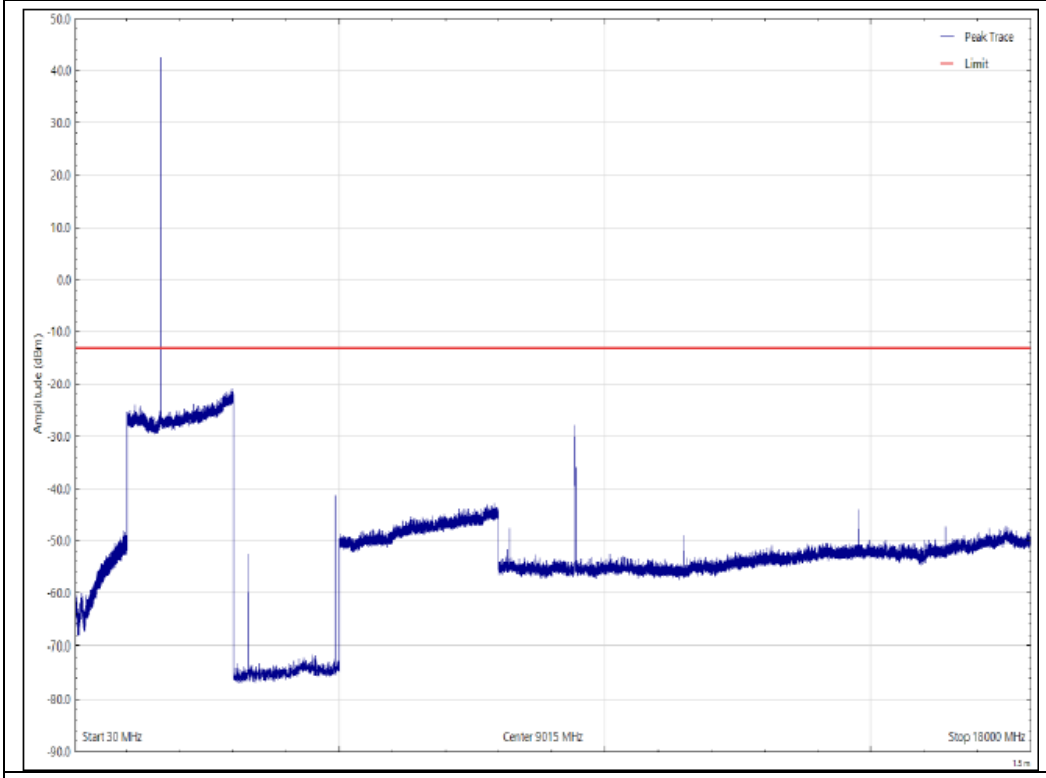

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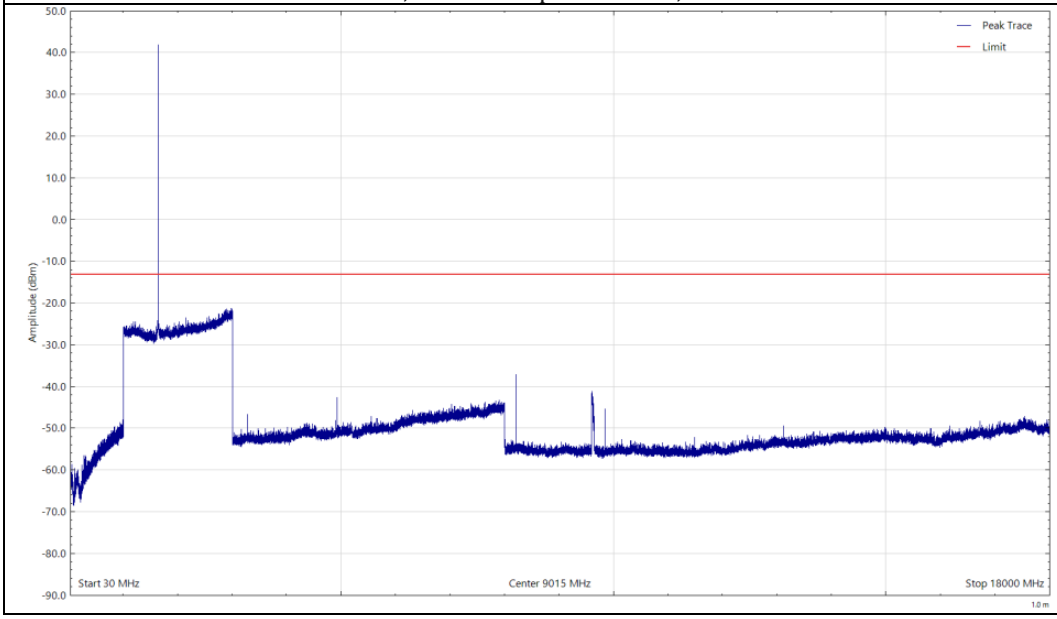

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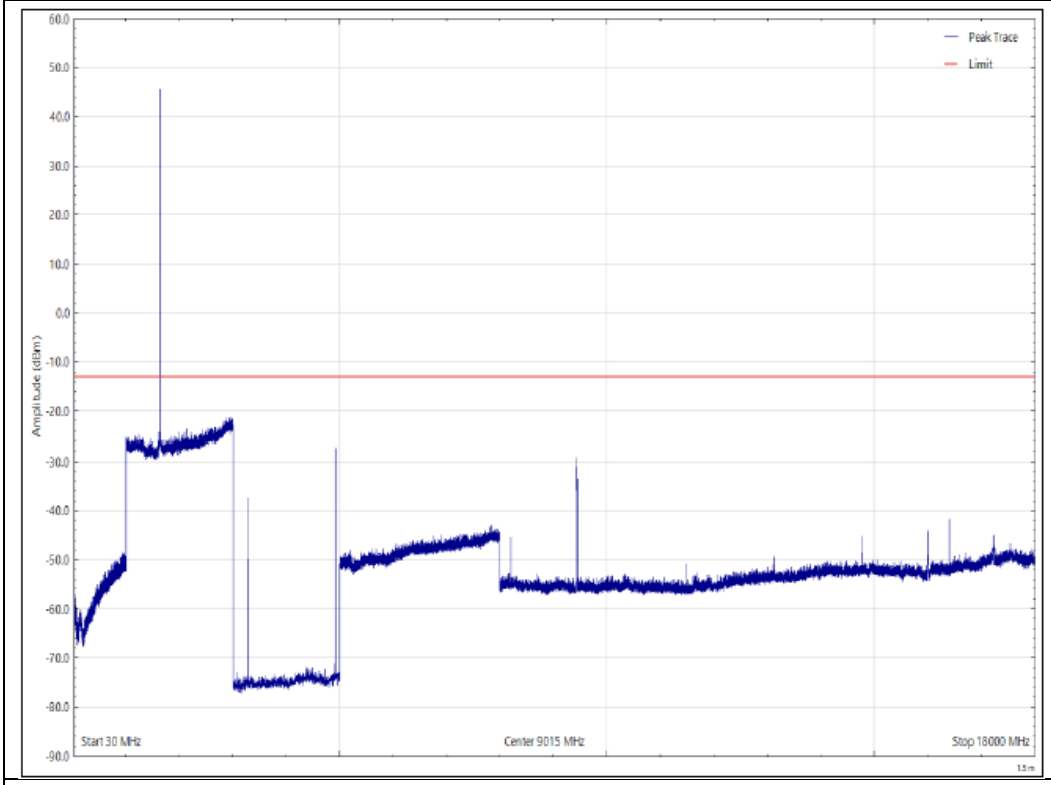

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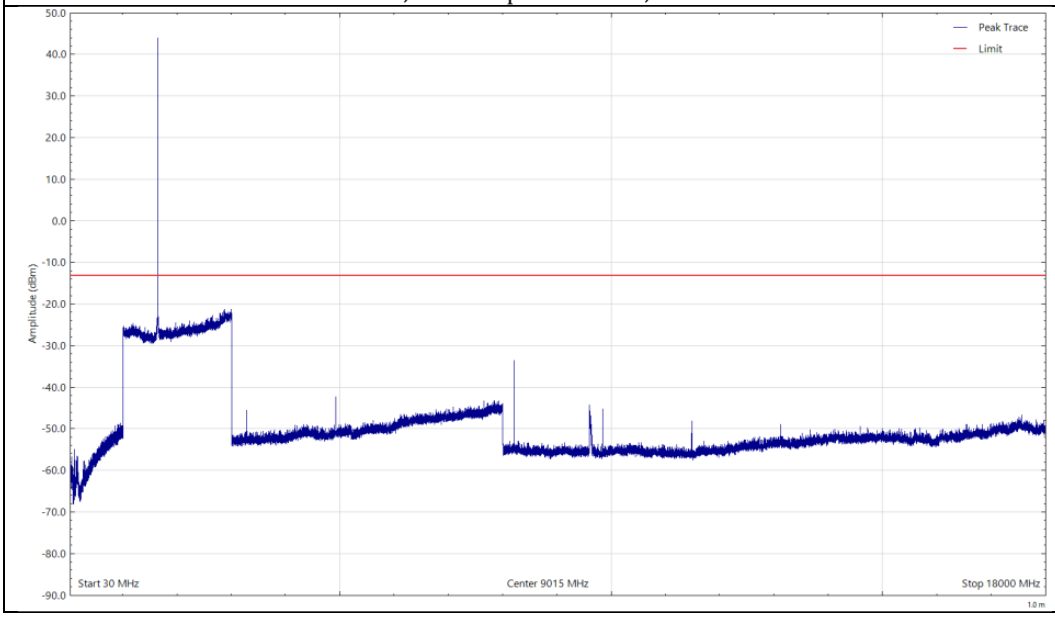

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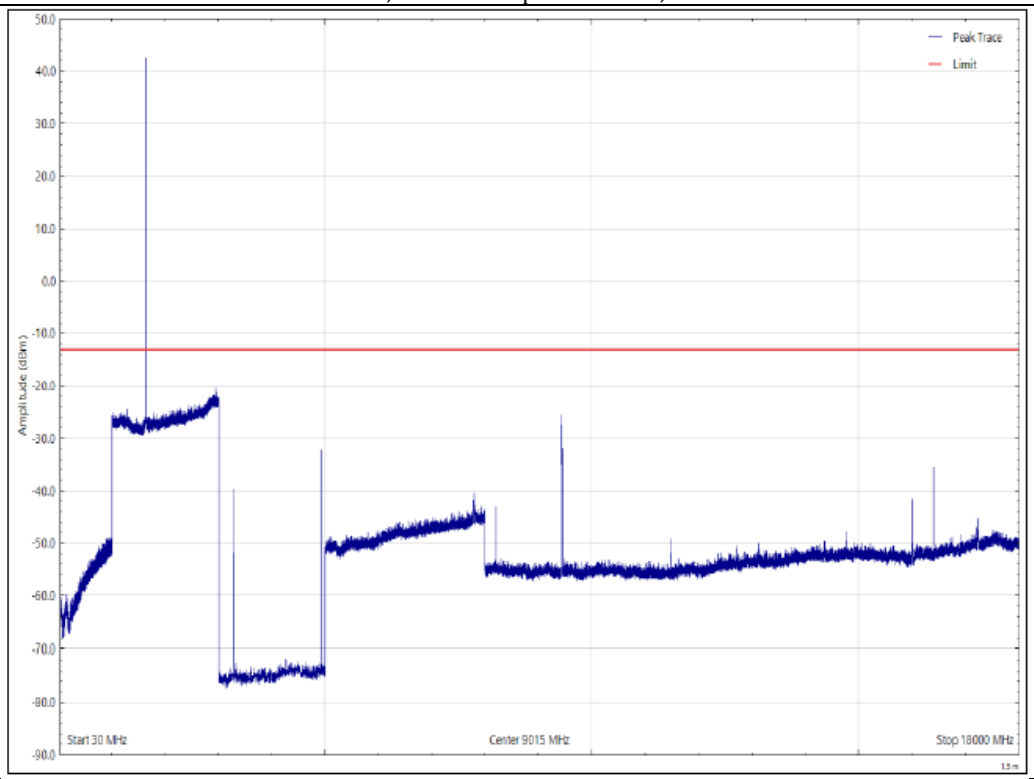

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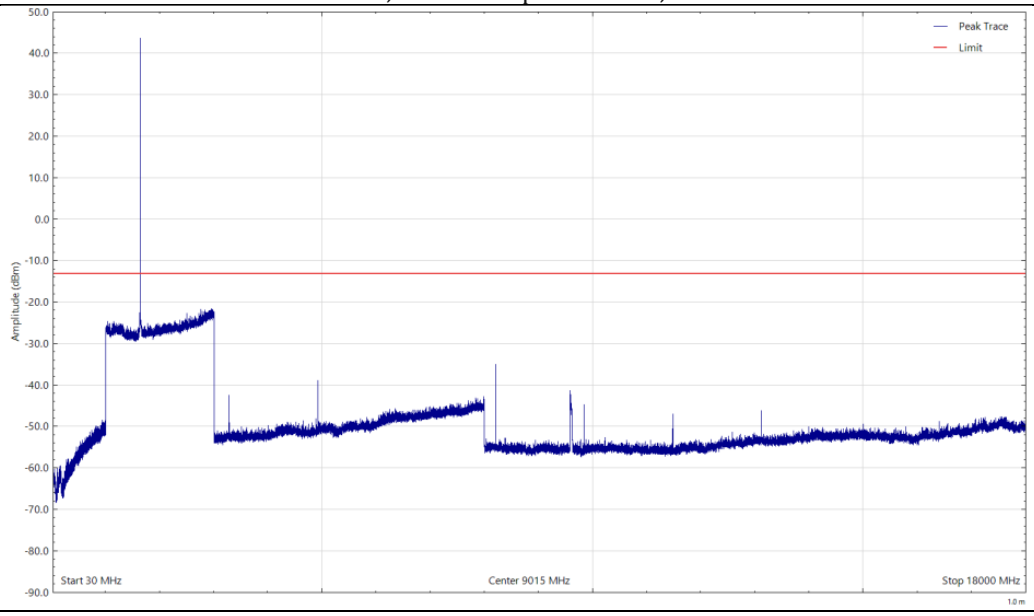

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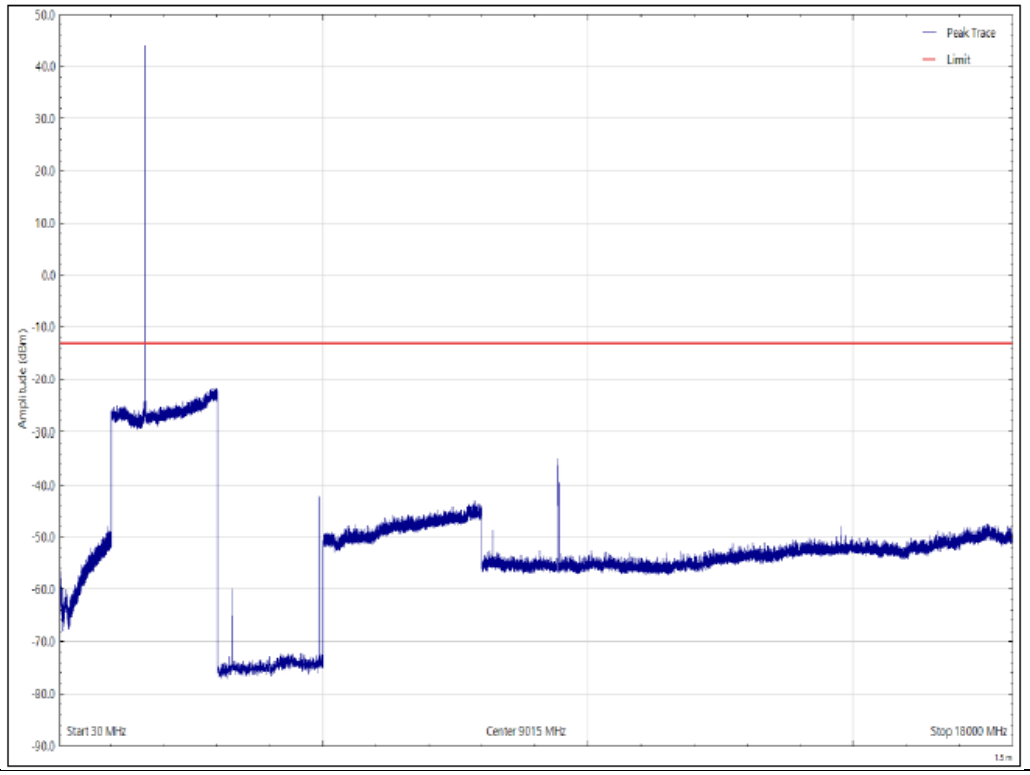

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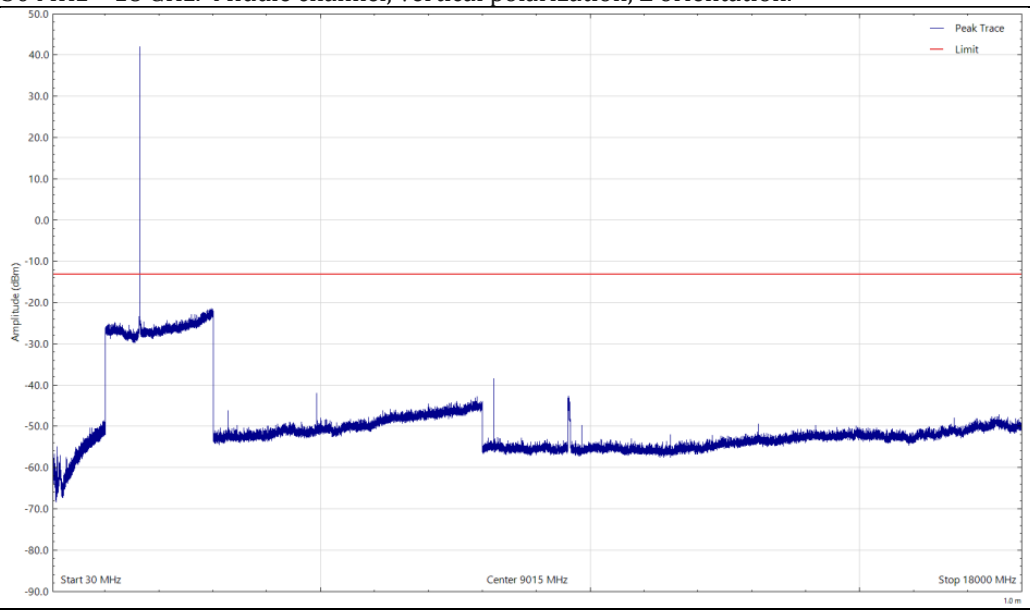

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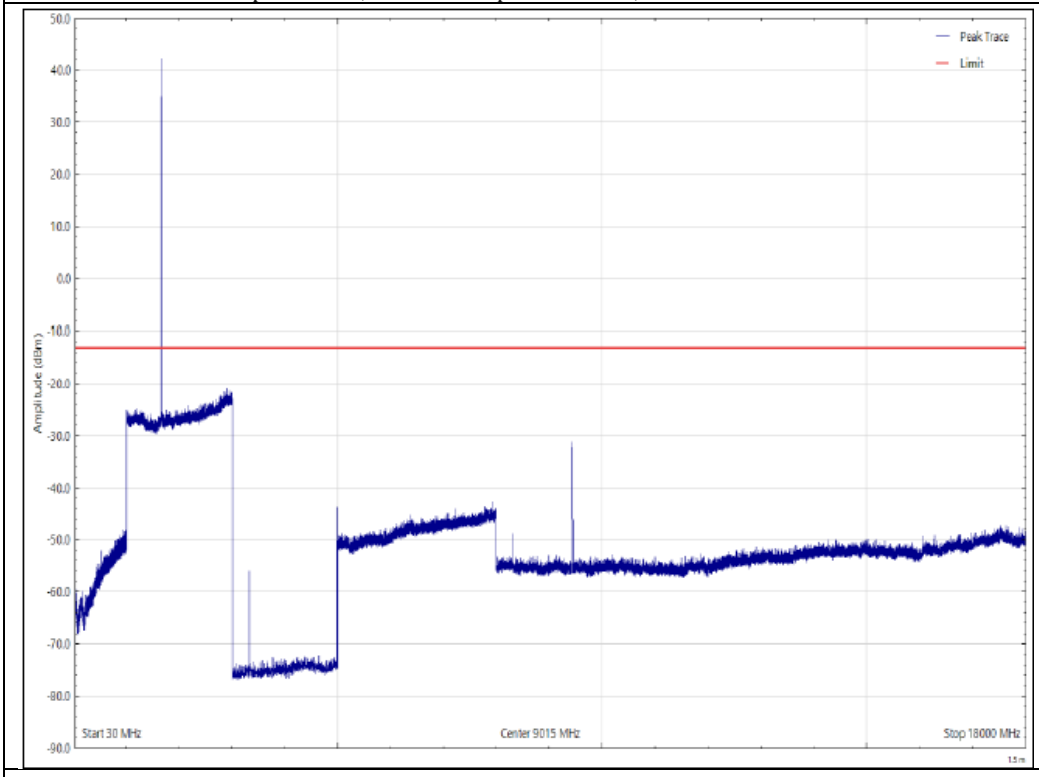

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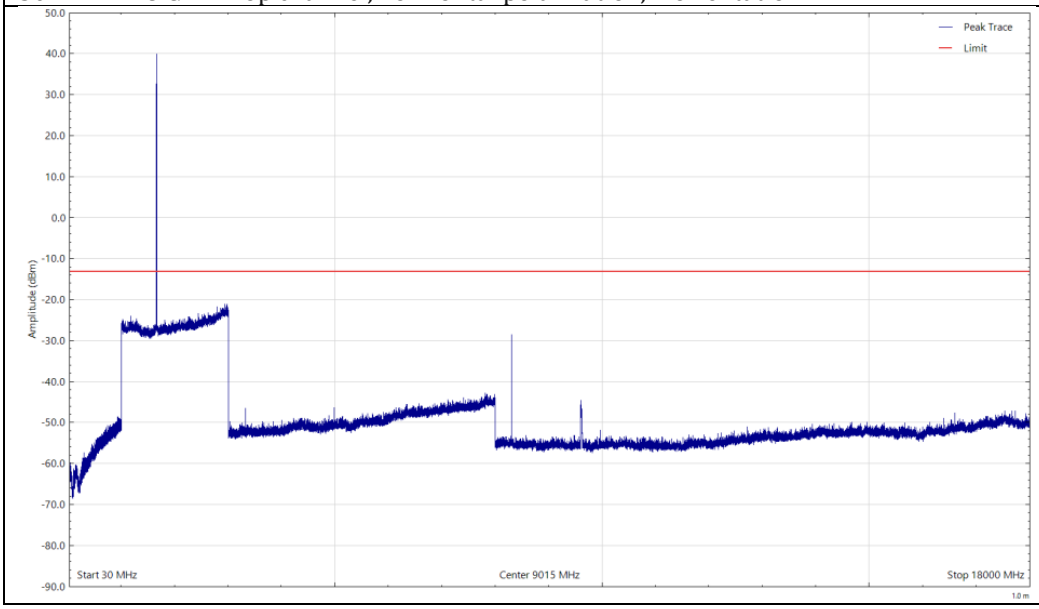

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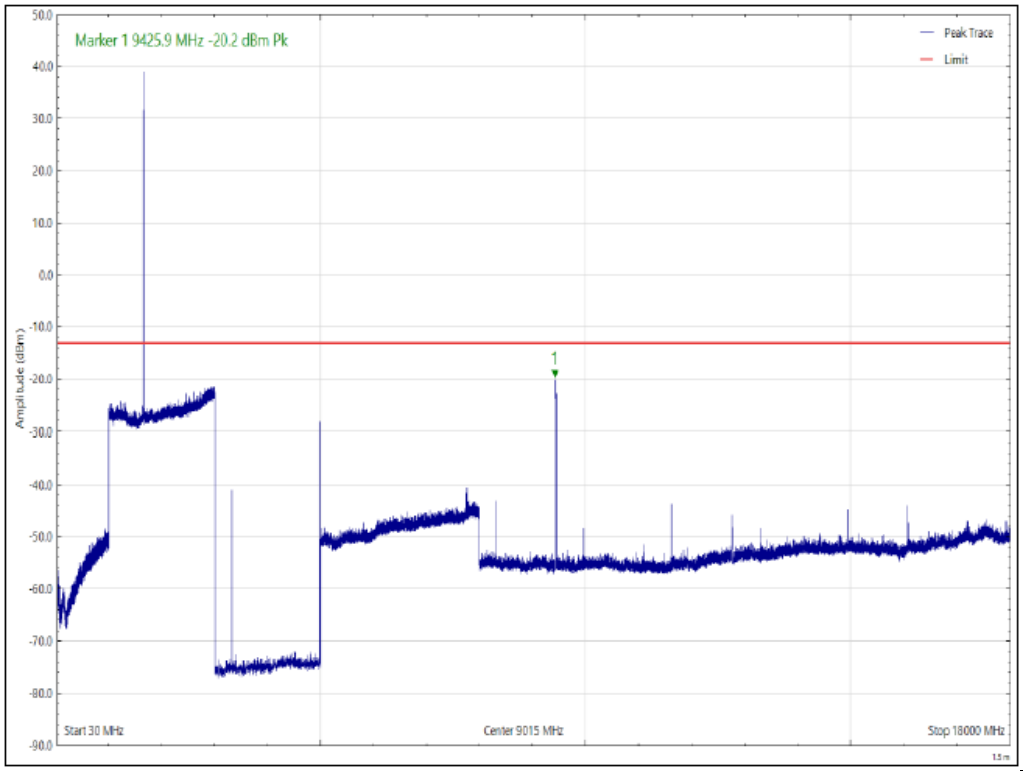

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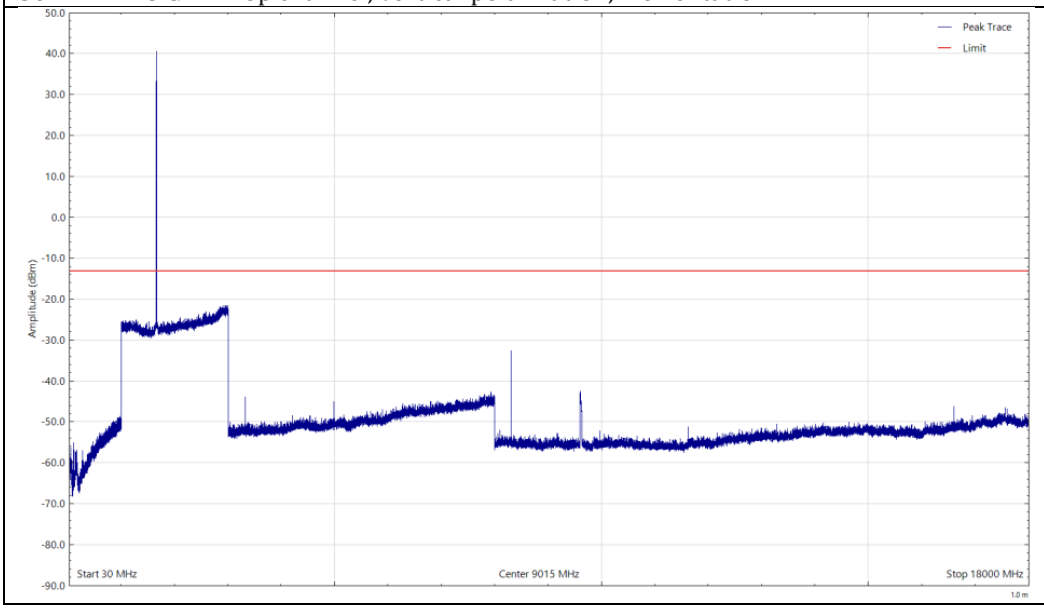

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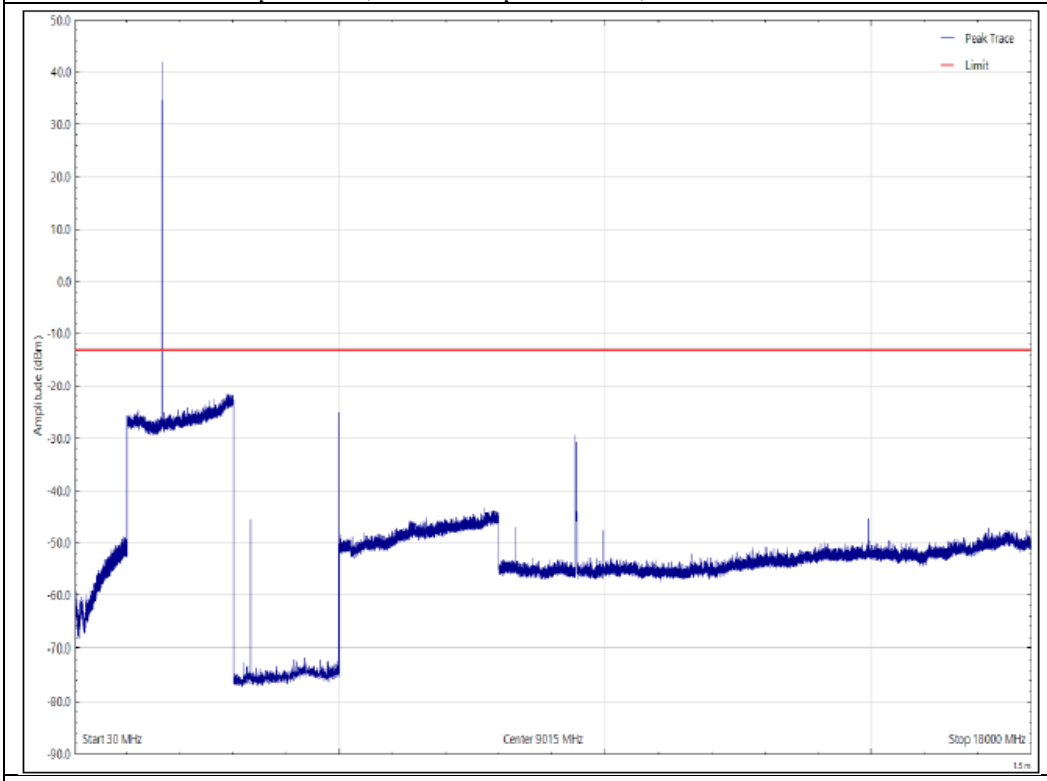

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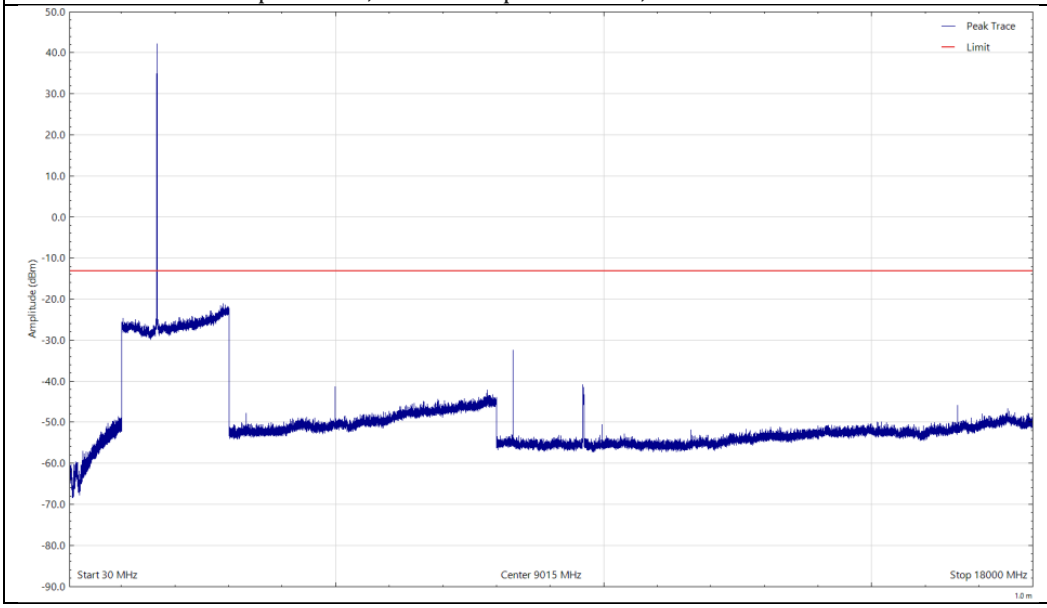

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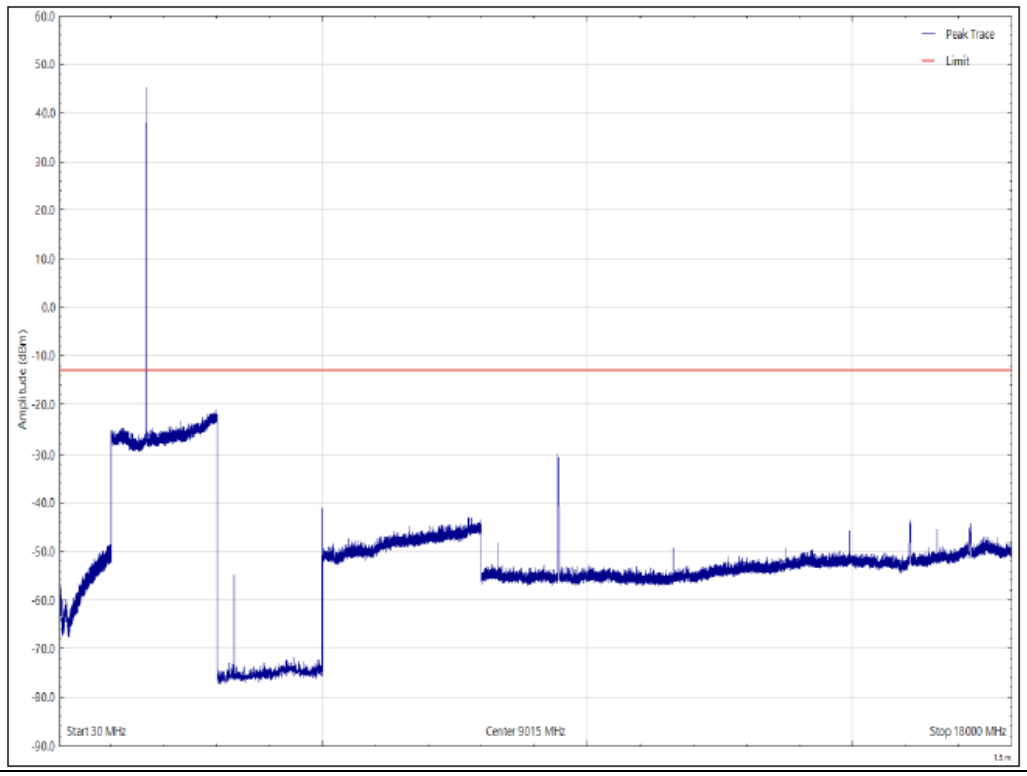

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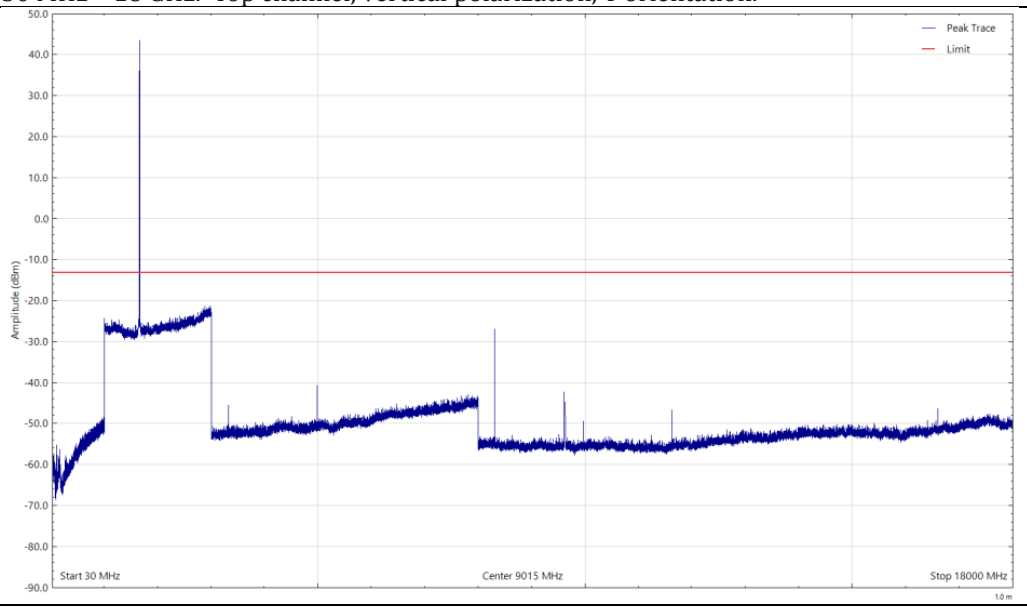

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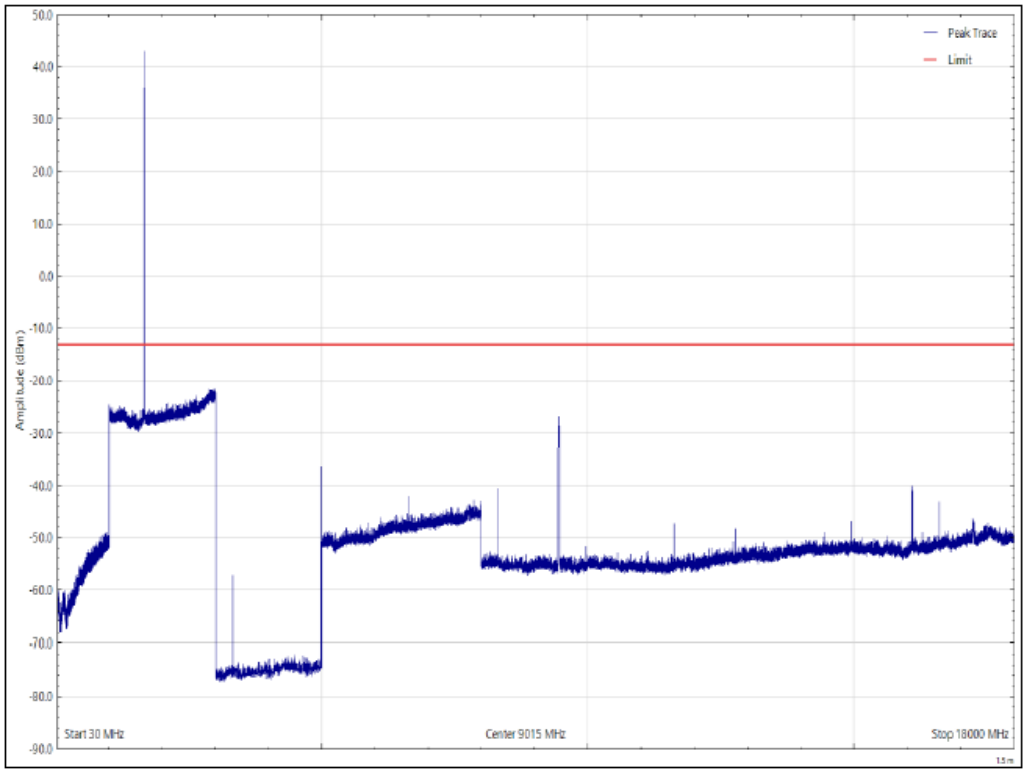

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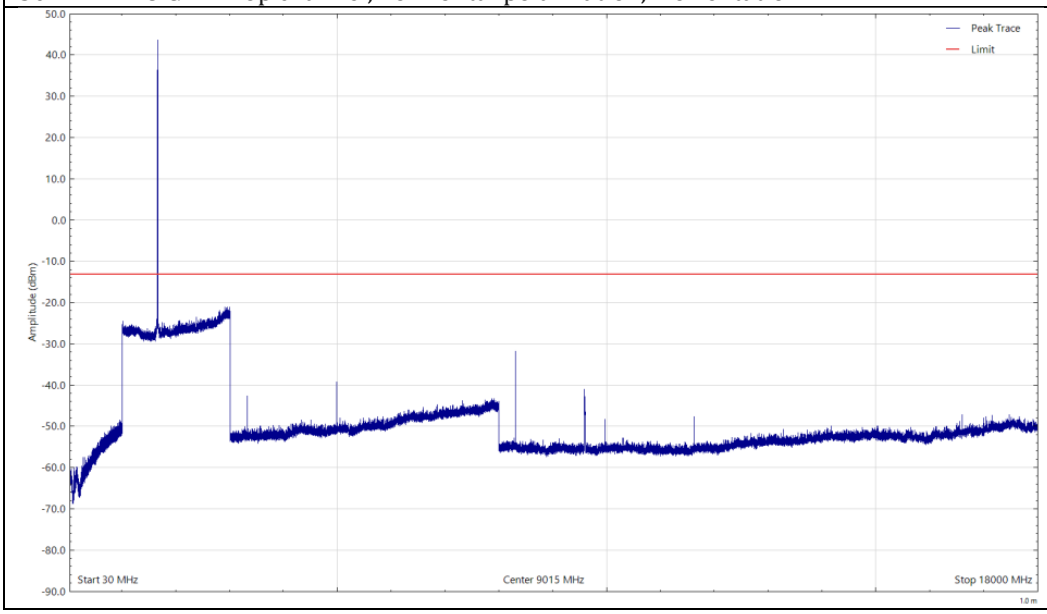

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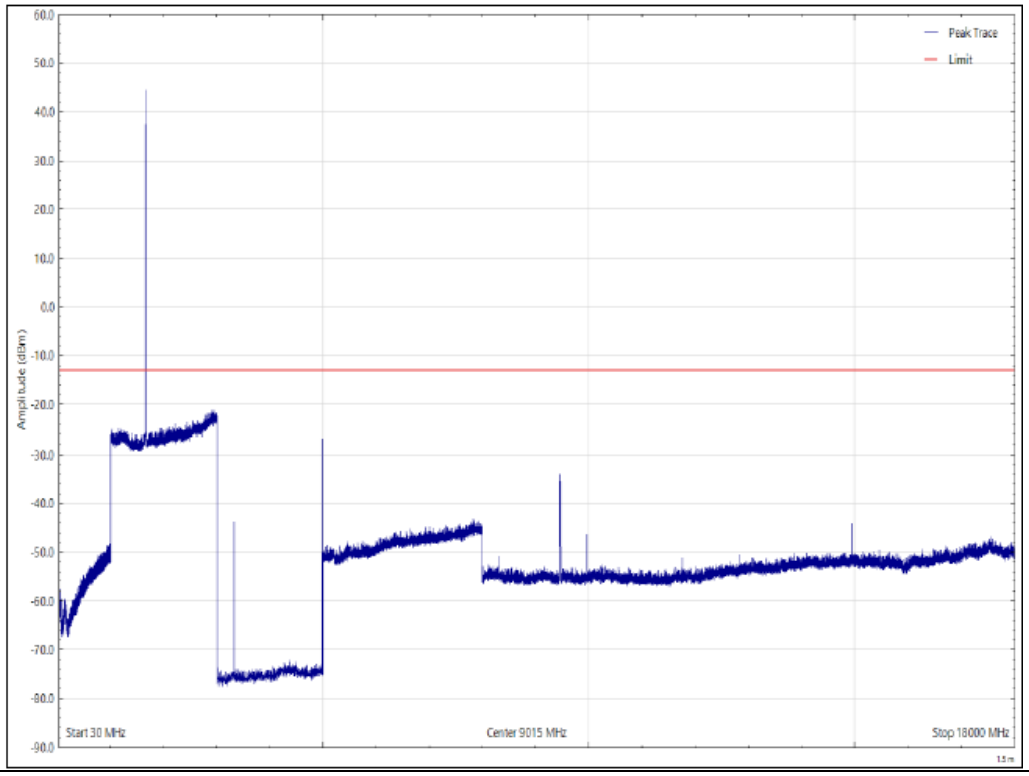

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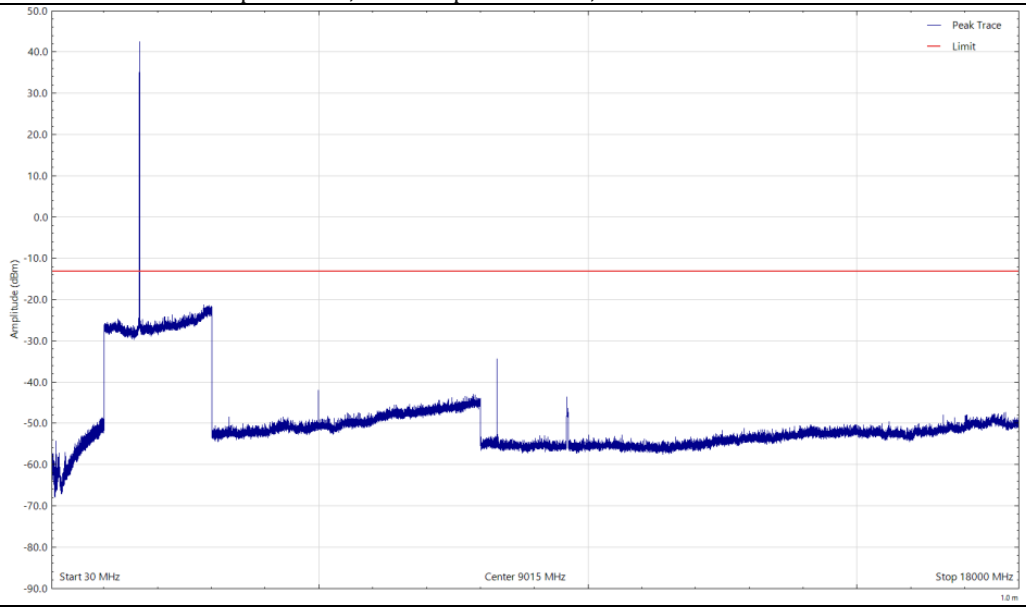

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