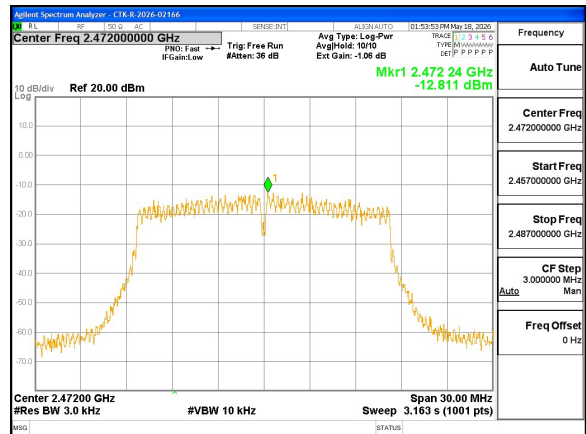
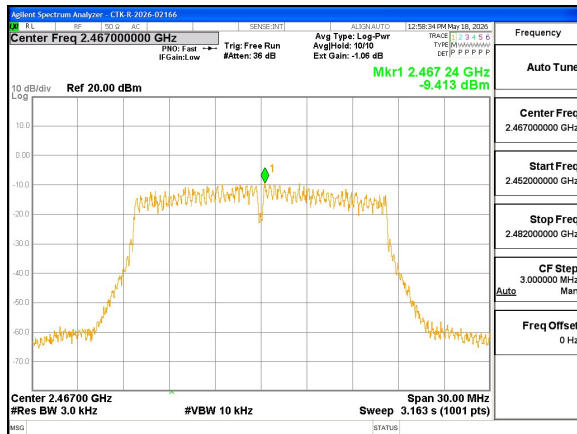
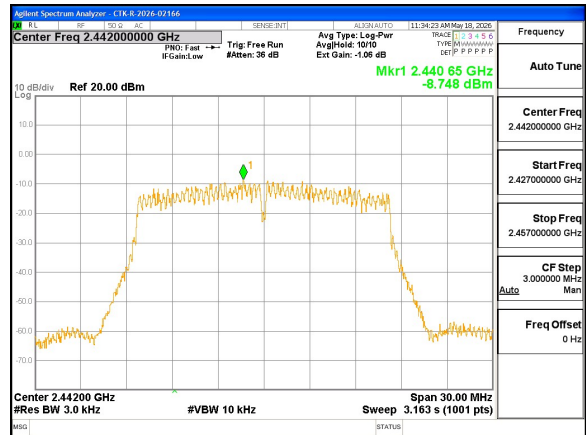
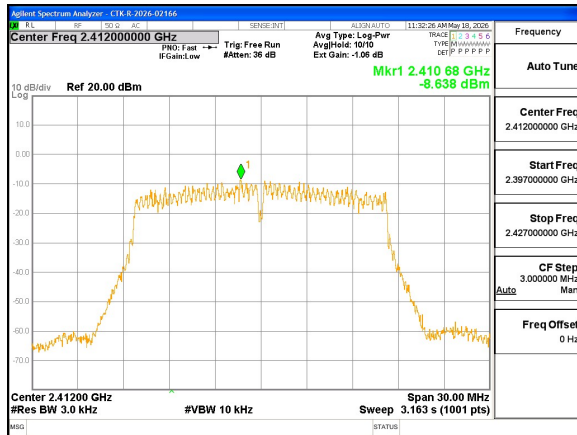




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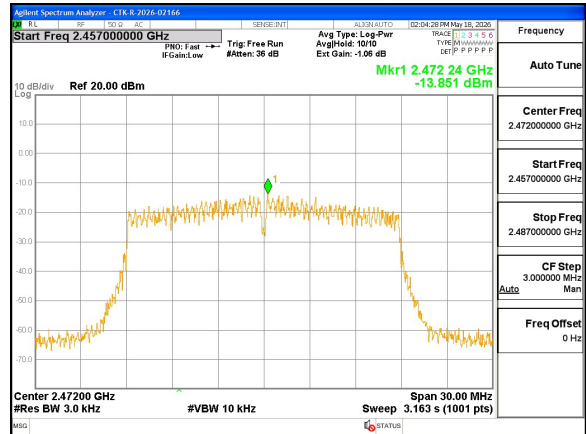
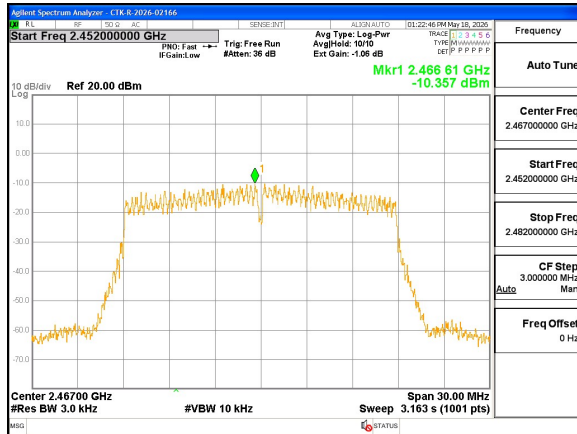
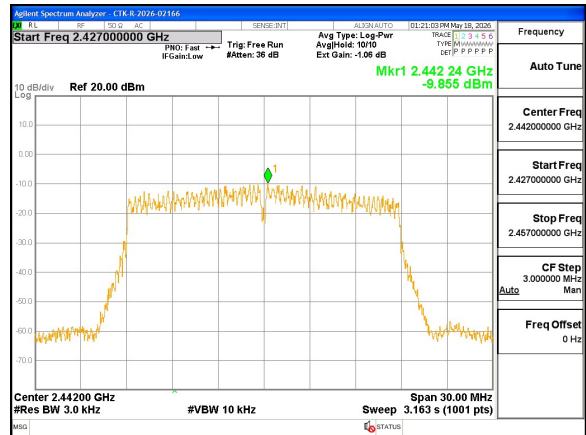
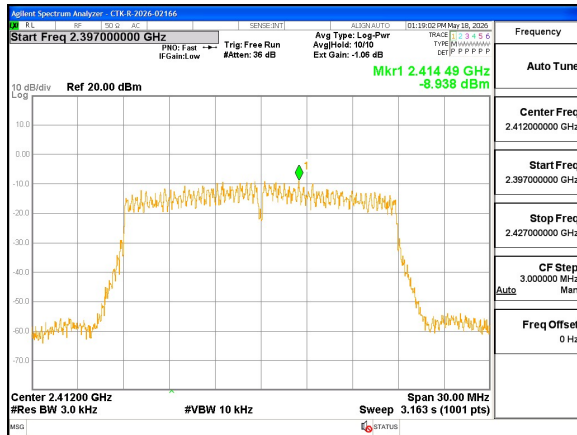
ANT1, 802.11g



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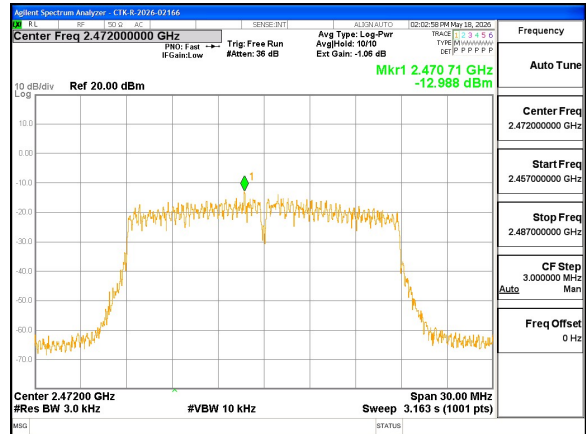
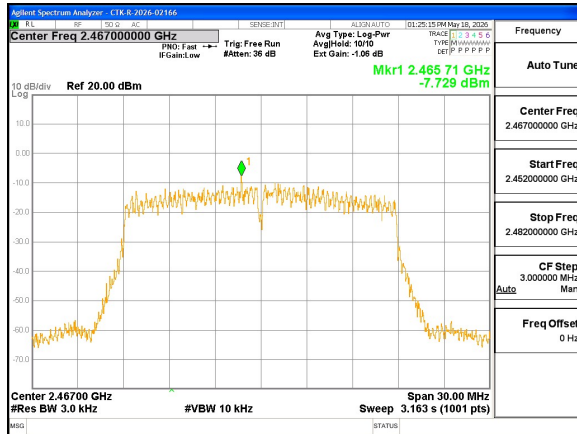
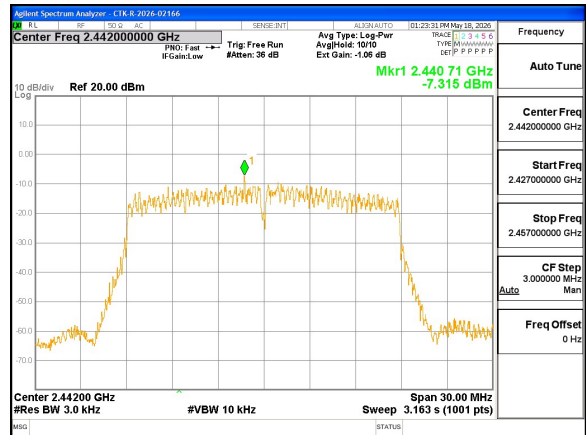
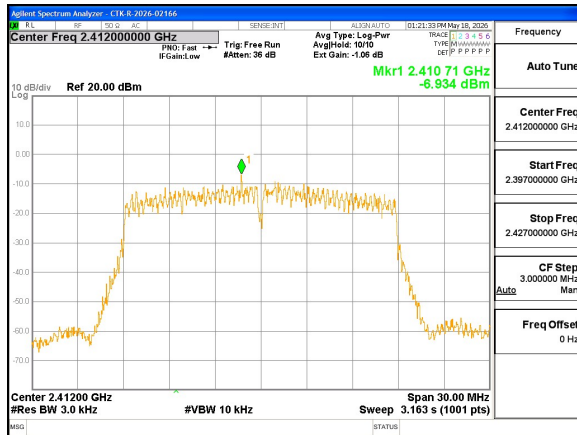
ANT0, 802.11n_HT20



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ANT1, 802.11n_HT20

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4.4 Conducted Spurious Emission

Test Procedures

KDB 558074 - Section 8.5

ANSI C63.10-2020 - Section 11.11.2, Section 11.11.3

The Unwanted emission from the EUT were measured according to the dictates PKPSD measurement procedure in section 11.11 of ANSI C63.10-2020.

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under Section 5.4(4), the attenuation required shall be 30 dB instead of 20 dB.

- Reference Level

Test Settings:

Center frequency = the highest, middle and the lowest channels

- a) Span $\geq [1.5 \times \text{DTS bandwidth}]$
- b) RBW = 100 kHz
- c) VBW $\geq [3 \times \text{RBW}]$
- d) Detector = peak
- e) Sweep time = No faster than coupled (auto) time.
- f) Trace mode = max hold
- g) Allow trace to fully stabilize
- h) Use the peak marker function to determine the maximum amplitude level.

- Emission Level

Test Settings:

Set the center frequency and span to encompass frequency range to be measured.

- a) RBW = 100 kHz
- b) VBW $\geq [3 \times \text{RBW}]$
- c) Detector = peak
- d) Sweep time = No faster than coupled (auto) time.
- e) Trace mode = max hold
- f) Allow trace to fully stabilize
- g) Use the peak marker function to determine the maximum amplitude level.

Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements.

Limit :

Emission Level > 30 dBc

Test Results : Complies

- All conducted emission in any 100 kHz bandwidth outside of the spread spectrum band was at least 30 dB lower than the highest in-band spectral density. Therefore the applying equipment meets the requirement.

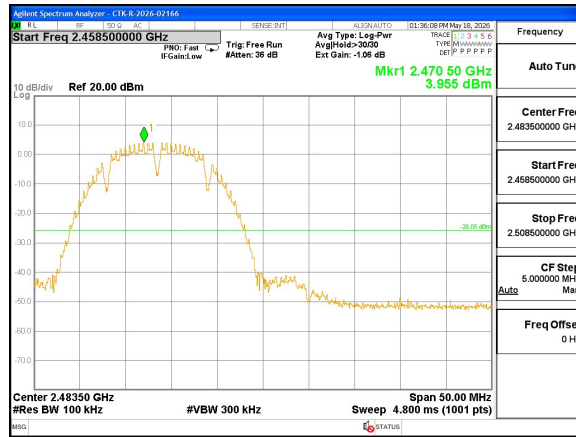
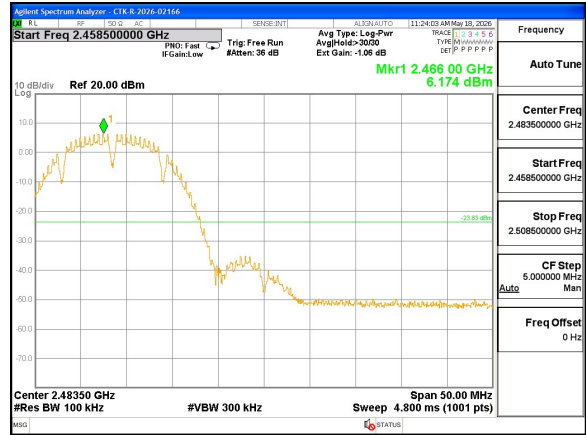
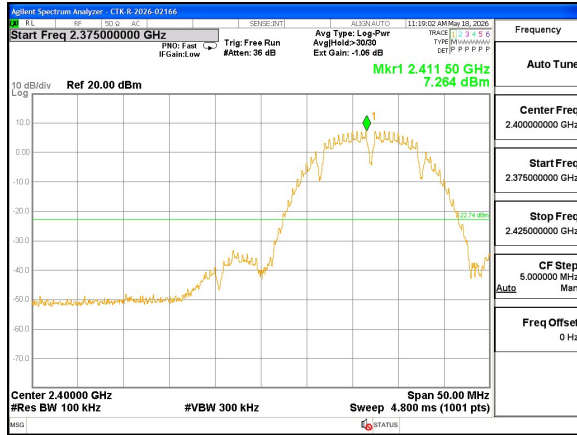
See next pages for actual measured spectrum plots.



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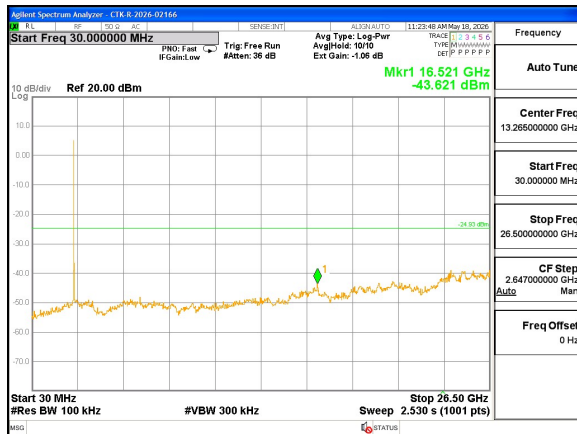
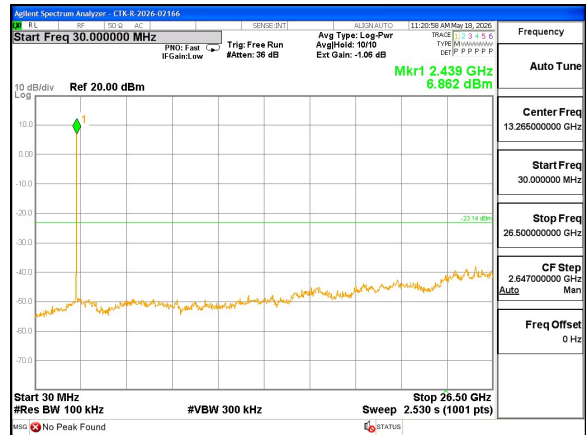
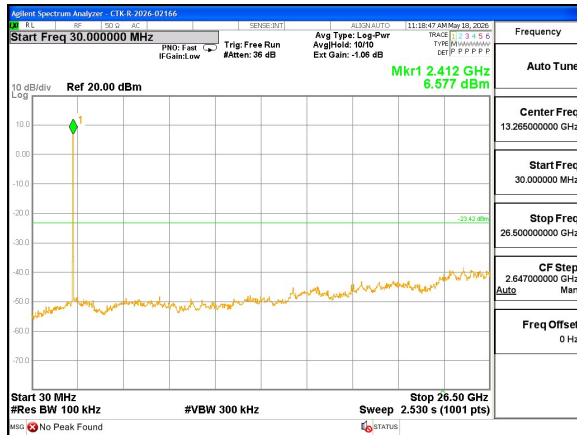
ANT0, 802.11b, Band-edge



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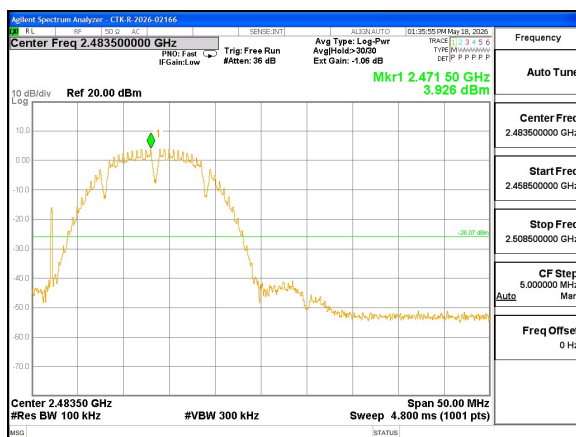
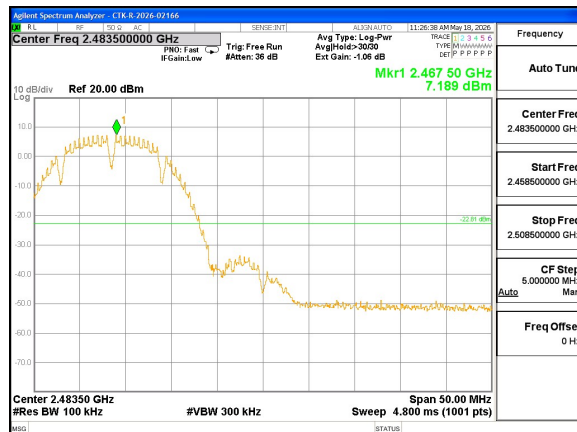
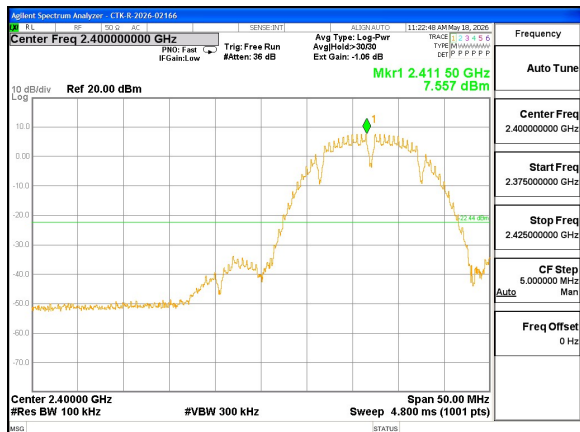
ANT0, 802.11b, Spurious



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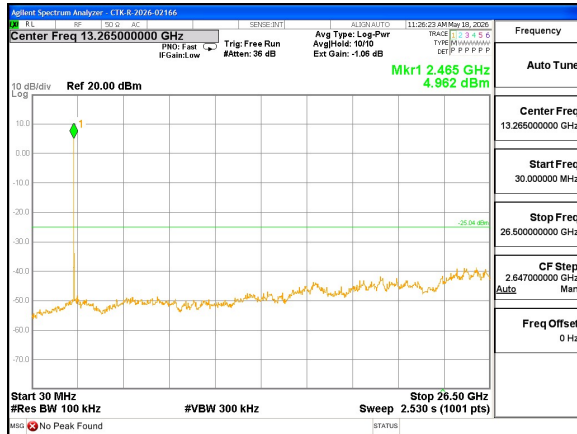
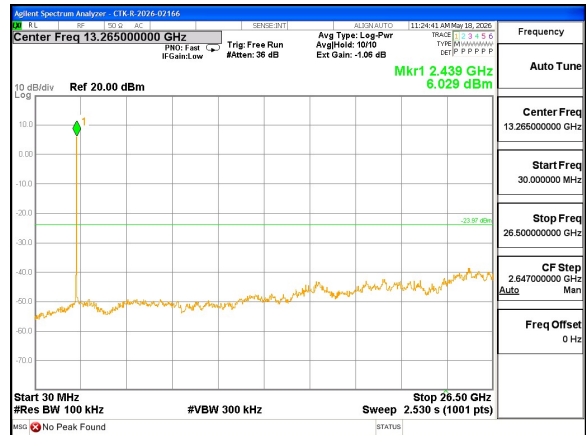
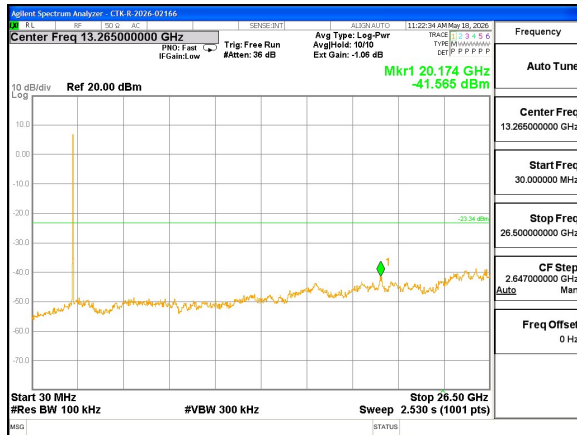
ANT1, 802.11b, Band-edge



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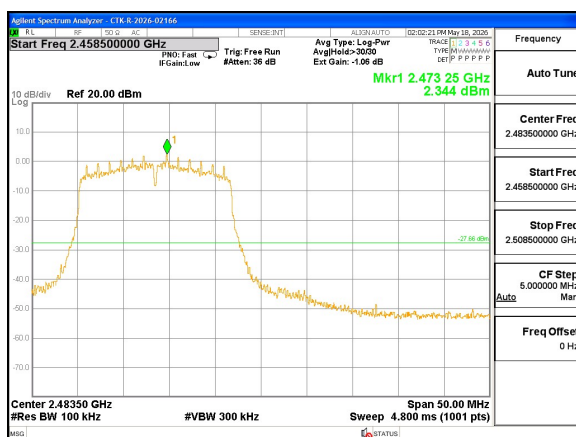
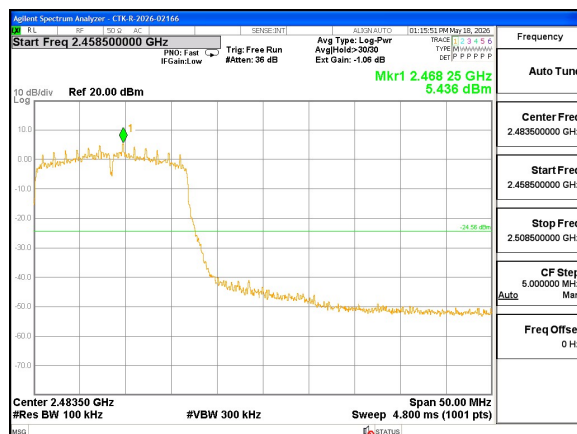
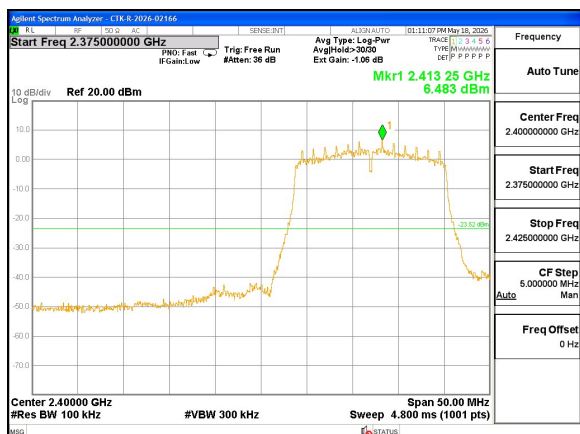
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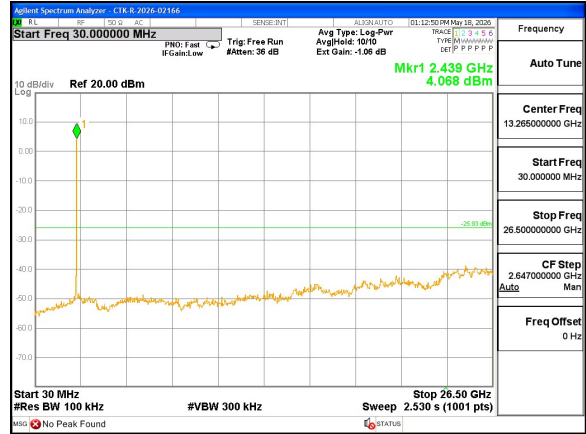
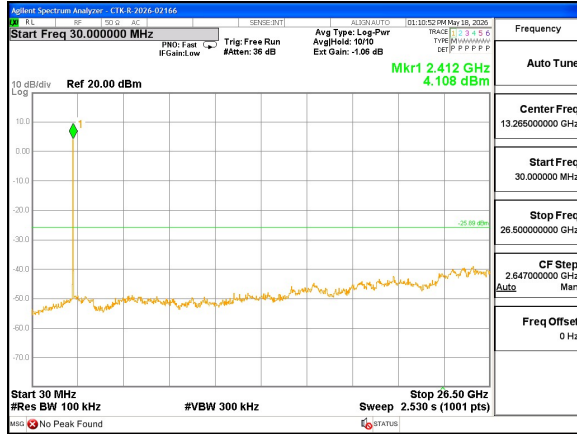
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