

- **Mode 802.11 b:**

Frequency range 1 - 26 GHz:

The results in the next tables show the maximum measured levels in the 1-26 GHz range including the restricted bands 2.31-2.39 GHz and 2.4835-2.5 GHz.

Spurious frequencies with peak levels above the average limit (54 dB μ V/m at 3 m) are measured with average detector for checking compliance with the average limit.

- LOW CHANNEL. Spurious frequencies closest to the limit:

Spurious frequency (GHz)	Emission Level (dB μ V/m)	Polarization	Detector	Measurement Uncertainty (dB)
2.8232	57.38	V	Peak	< $\pm$ 5.13
	44.43		Average	< $\pm$ 5.13
3.1920	41.81	H	Peak	< $\pm$ 5.13
5.3740	46.96	H	Peak	< $\pm$ 5.13

- MIDDLE CHANNEL. Spurious frequencies closest to the limit:

Spurious frequency (GHz)	Emission Level (dB μ V/m)	Polarization	Detector	Measurement Uncertainty (dB)
2.8988	58.64	V	Peak	< $\pm$ 5.13
	44.80		Average	< $\pm$ 5.13
3.1960	40.24	H	Peak	< $\pm$ 5.13
5.3415	41.53	V	Peak	< $\pm$ 5.13
5.3740	45.86	H	Peak	< $\pm$ 5.13

- HIGH CHANNEL. Spurious frequencies closest to the limit:

Spurious frequency (GHz)	Emission Level (dB μ V/m)	Polarization	Detector	Measurement Uncertainty (dB)
3.1955	42.14	V	Peak	< $\pm$ 5.13
5.3745	46.12	V	Peak	< $\pm$ 5.13

- RESTRICTED BAND 2.31-2.39 GHz. LOW CHANNEL. No spurious frequencies at less than 20 dB below the limit.
- RESTRICTED BAND 2.4835-2.5 GHz. HIGH CHANNEL. No spurious frequencies at less than 20 dB below the limit.

Measurement Uncertainty (dB): 1 GHz $\leq$ f $\leq$ 17 GHz: < $\pm$ 5.13
17 GHz $\leq$ f $\leq$ 26 GHz: < $\pm$ 5.08

Verdict: PASS

OFDM modes:

For spurious emissions in the range 30 MHz - 26 GHz (except field strength at the band edges that was performed for all modes) a preliminary scan was performed to determine the worst case mode.

Spurious emissions in the Restricted Bands 2.31-2.39 GHz and 2.4835-2.5 GHz are measured for all modes. The following results and plots are for the worst case OFDM mode.

- **Worst case OFDM mode: 802.11 g.**

- **Mode 802.11 g (OFDM worst case for spurious emissions):**

Frequency range 1 - 26 GHz:

The results in the next tables show the maximum measured levels in the 1-26 GHz range including the restricted bands 2.31-2.39 GHz and 2.4835-2.5 GHz.

Spurious frequencies with peak levels above the average limit (54 dBµV/m at 3 m) are measured with average detector for checking compliance with the average limit.

- **LOW CHANNEL.** Spurious frequencies closest to the limit

Spurious frequency (GHz)	Emission Level (dBµV/m)	Polarization	Detector	Measurement Uncertainty (dB)
3.1965	40.81	V	Peak	<± 5.13
5.3415	42.06	H	Peak	<± 5.13
5.3740	45.78	V	Peak	<± 5.13

- **MIDDLE CHANNEL.** Spurious frequencies closest to the limit

Spurious frequency (GHz)	Emission Level (dBµV/m)	Polarization	Detector	Measurement Uncertainty (dB)
3.1970	41.25	V	Peak	<± 5.13
4.3775	41.14	V	Peak	<± 5.13
5.3740	46.15	H	Peak	<± 5.13

- **HIGH CHANNEL.** Spurious frequencies closest to the limit

Spurious frequency (GHz)	Emission Level (dBµV/m)	Polarization	Detector	Measurement Uncertainty (dB)
2.8358	57.90	V	Peak	<± 5.13
	44.44		Average	<± 5.13
3.1940	40.83	V	Peak	<± 5.13
4.3775	41.52	V	Peak	<± 5.13
5.3745	46.03	H	Peak	<± 5.13

- **RESTRICTED BAND 2.31-2.39 GHz. LOW CHANNEL.** No spurious frequencies at less than 20 dB below the limit.

- **RESTRICTED BAND 2.4835-2.5 GHz. HIGH CHANNEL.** No spurious frequencies at less than 20 dB below the limit.

Measurement Uncertainty (dB): 1 GHz ≤ f ≤ 17 GHz: <± 5.13
17 GHz ≤ f ≤ 26 GHz: <± 5.08

Verdict: PASS

- **Mode 802.11 n20:**

The results in the next tables show the maximum measured levels in the Restricted Bands 2.31-2.39 GHz and 2.4835-2.5 GHz.

Spurious frequencies with peak levels above the average limit (54 dBµV/m at 3 m) are measured with average detector for checking compliance with the average limit.

- RESTRICTED BAND 2.31-2.39 GHz. LOW CHANNEL. No spurious frequencies at less than 20 dB below the limit.

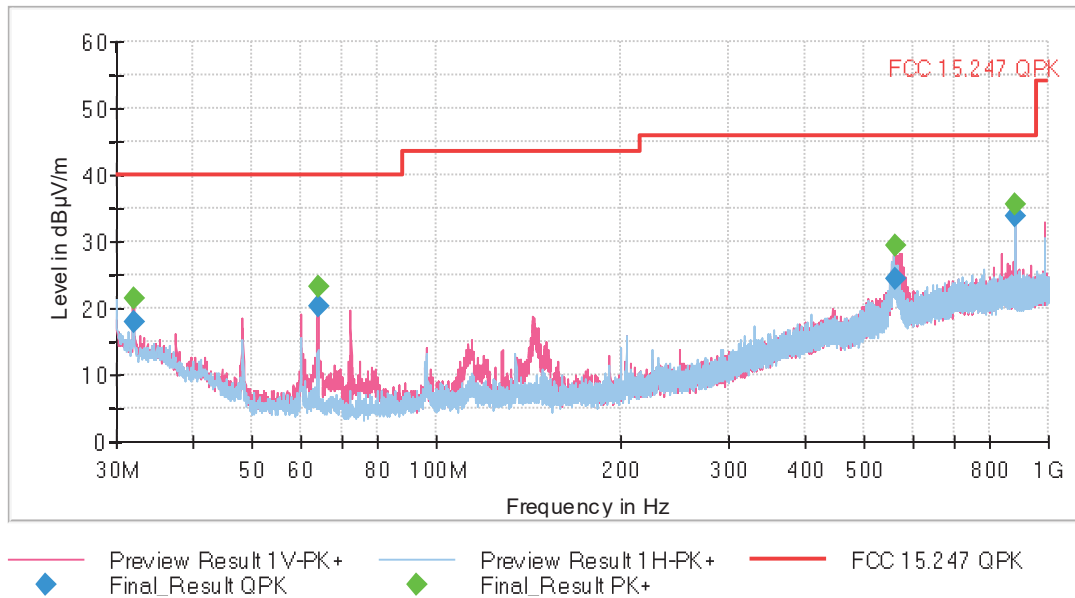
- RESTRICTED BAND 2.4835-2.5 GHz. HIGH CHANNEL. No spurious frequencies at less than 20 dB below the limit.

Measurement Uncertainty (dB): 1 GHz $\leq f \leq$ 17 GHz: $<\pm 5.13$
17 GHz $\leq f \leq$ 26 GHz: $<\pm 5.08$

Verdict: PASS

FREQUENCY RANGE 30 MHz - 1 GHz:

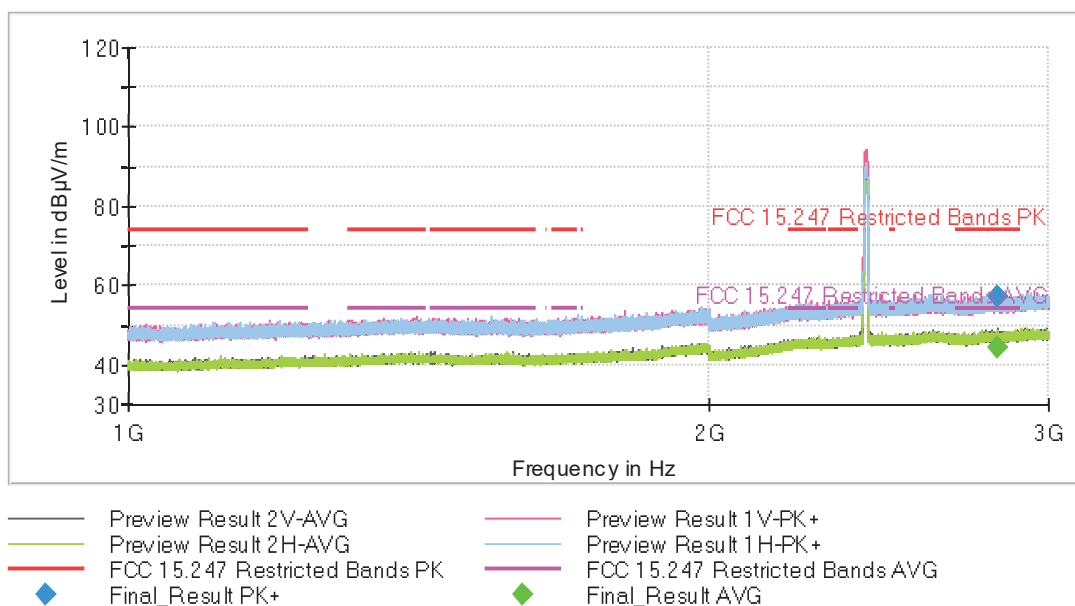
The spurious frequencies detected do not depend neither on the operating channel nor the modulation mode.



• Mode 802.11 b:

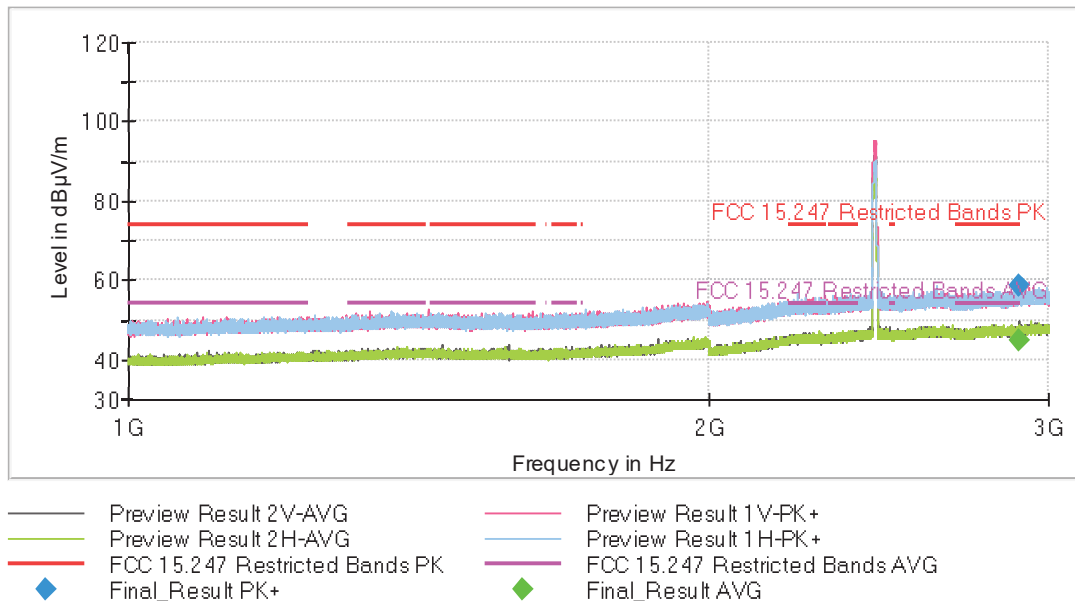
FREQUENCY RANGE 1 - 3 GHz:

- Low Channel:



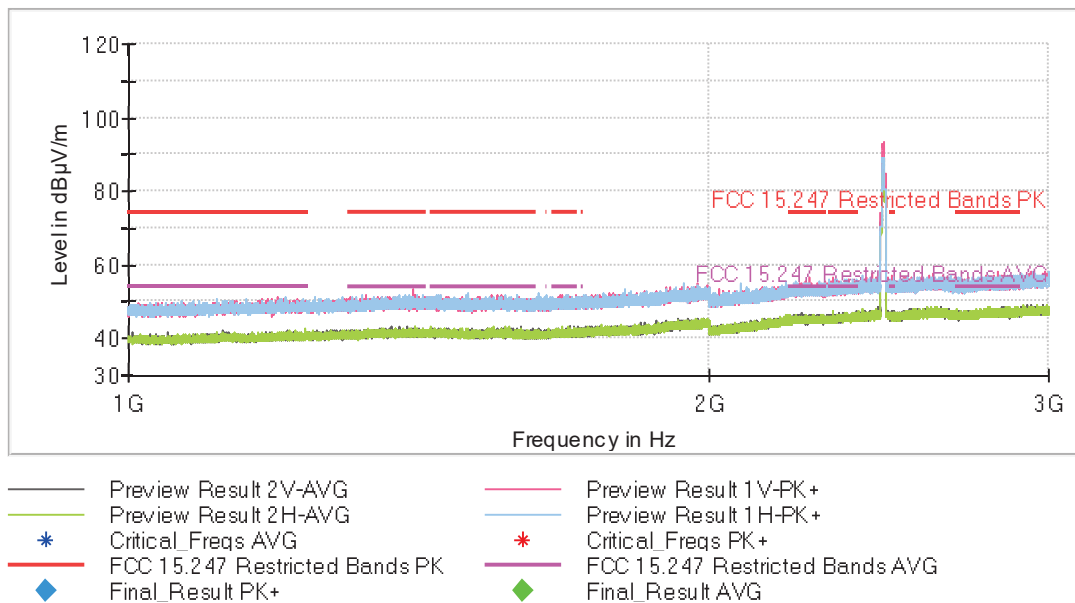
The peak above the limit is the carrier frequency.

- Middle Channel:



The peak above the limit is the carrier frequency.

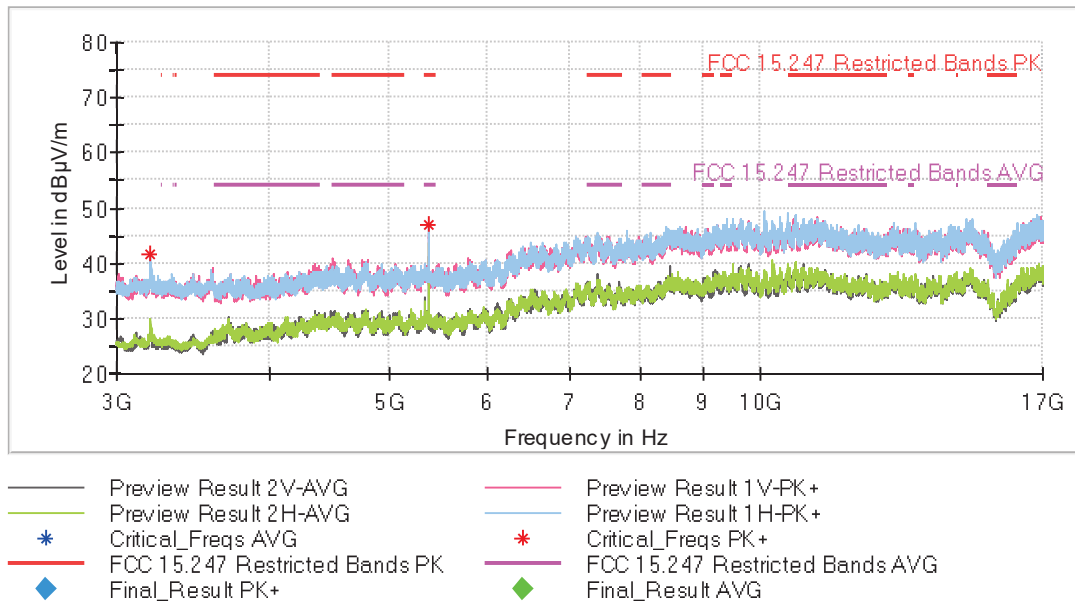
- High Channel:



The peak above the limit is the carrier frequency.

FREQUENCY RANGE 3 - 17 GHz:

- Low Channel:



- Middle Channel:

