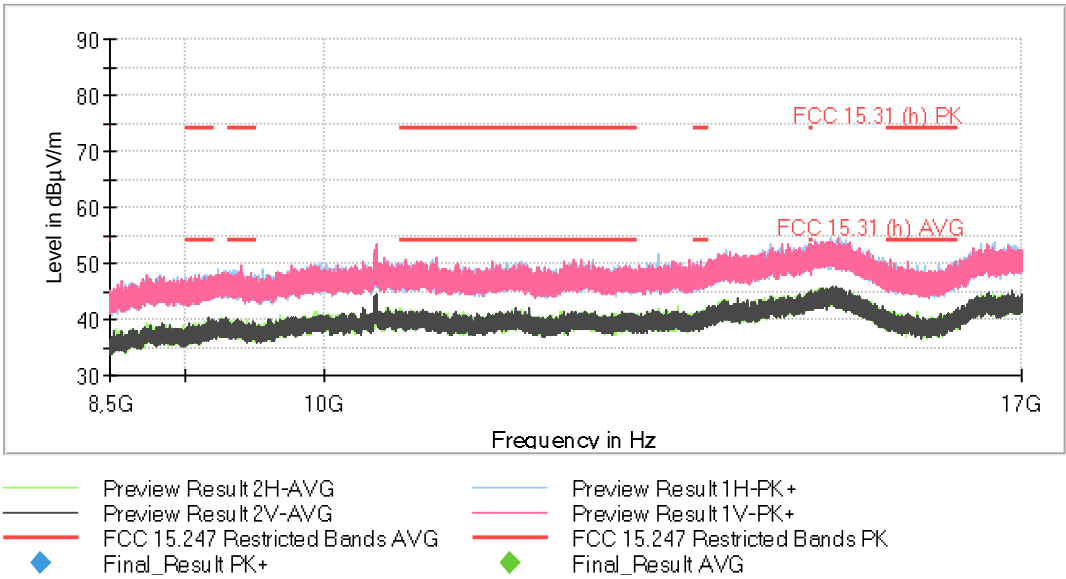
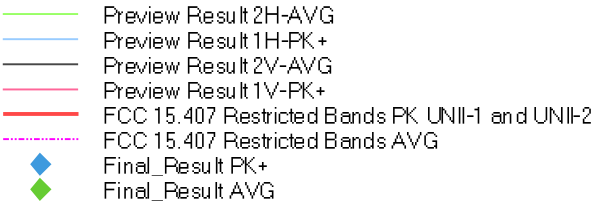
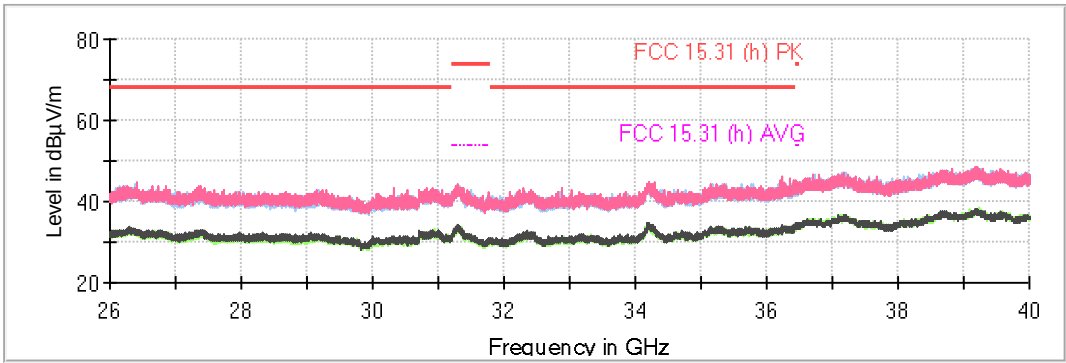
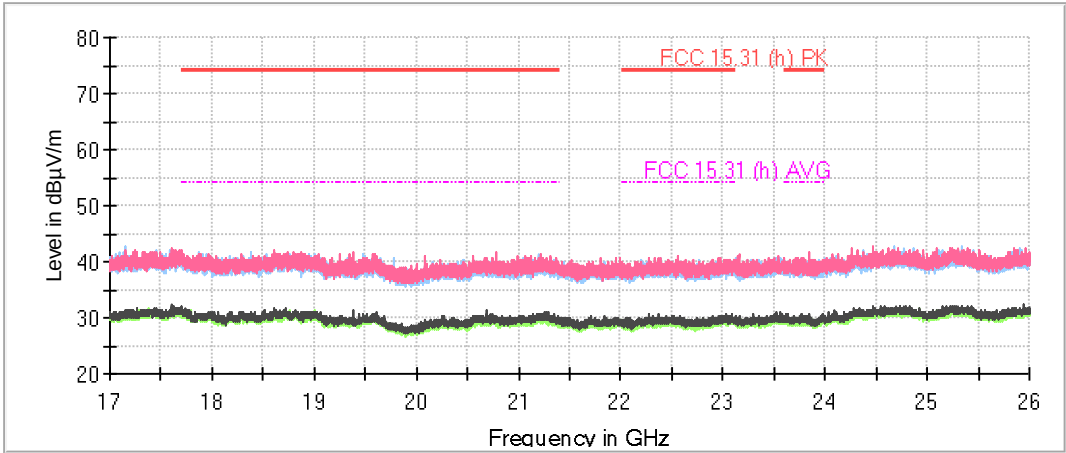


Frequency range 8.5 GHz – 17 GHz



Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [FSW 50] 3 GHz - 17 GHz	140 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency range 17 GHz – 40 GHz



Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [FSW 50]					
17 GHz - 40 GHz	766,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Simultaneous transmission BLE, WLAN 2.4 GHz, WLAN 5 GHz U-NII-1, 2G 1900

BLE: Low Channel (2402 MHz), 1 Mbps.
 WLAN 2.4 GHz: CH3 (2422 MHz), 802.11 g.
 WLAN 5 GHz: CH40 (5200 MHz), 802.11 n20.
 2G 1900: High Channel (1909.8 MHz), GPRS.

The limit of the test is determined by:

Frequency Range	Detector	Limit at 3m (dBµV/m)
30 MHz to 19 GHz	Peak	$43 + 10 \log (P) \text{ dB} = -13 \text{ dBm} \rightarrow 82.23 \text{ dB}\mu\text{V/m}$
19 GHz to 40 GHz	Peak	68.23 dBµV/m (*) or 74 dBµV/m (**)
19 GHz to 40 GHz	Average	54 dBµV/m (**)

(*) Radiated emissions which fall in the non-restricted bands.

(**) Radiated emissions which fall in the restricted bands, as defined in §15.205(a).

Results

Frequency range 30 MHz – 1 GHz

No spurious frequencies at less than 20 dB below the limit.

Frequency range 1 GHz – 40 GHz

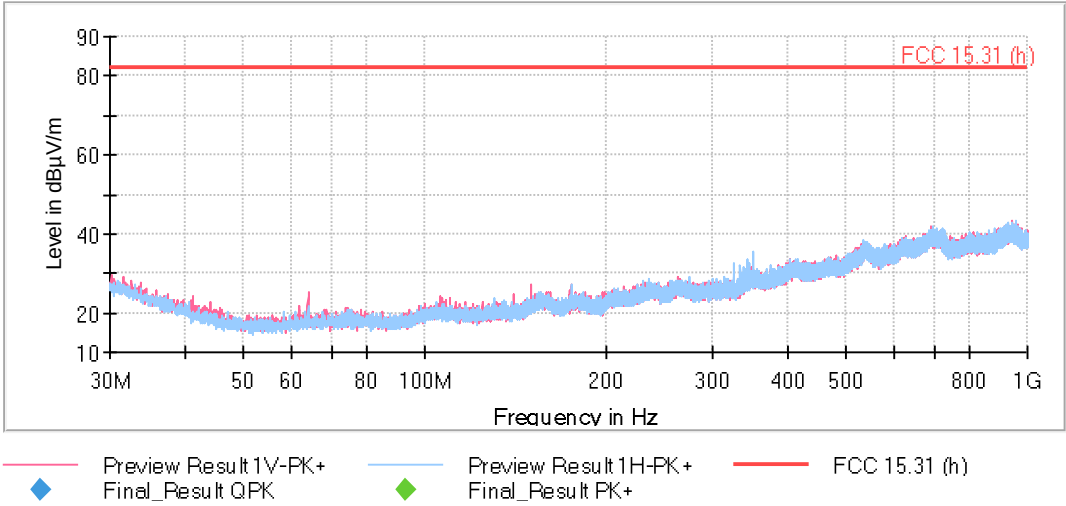
No spurious frequencies at less than 20 dB below the limit.

Verdict

Pass

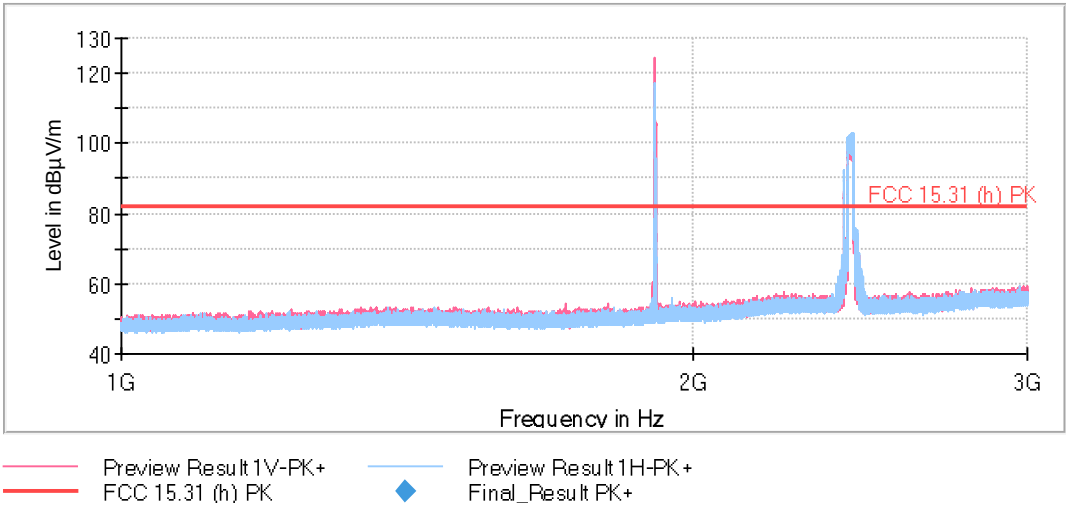
Attachments

Frequency range 30 MHz – 1 GHz



Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [ESR 7] 30 MHz - 1 GHz	30,312 kHz	PK+	100 kHz	1 s	0 dB

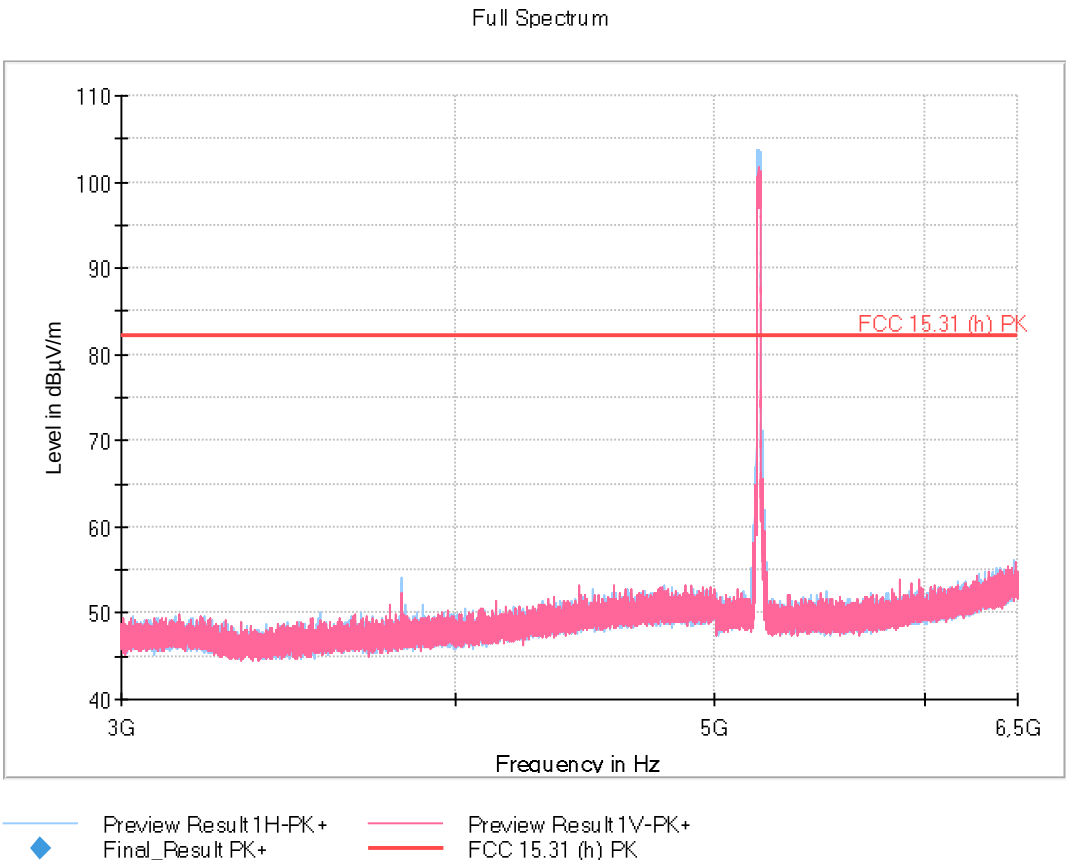
Frequency range 1 GHz – 3 GHz



The peak on the left above the limit is the 2G 1900 carrier frequency.
The peaks on the right above the limit are the BLE and WLAN 2.4 GHz carrier frequencies.

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [FSW 50]					
1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

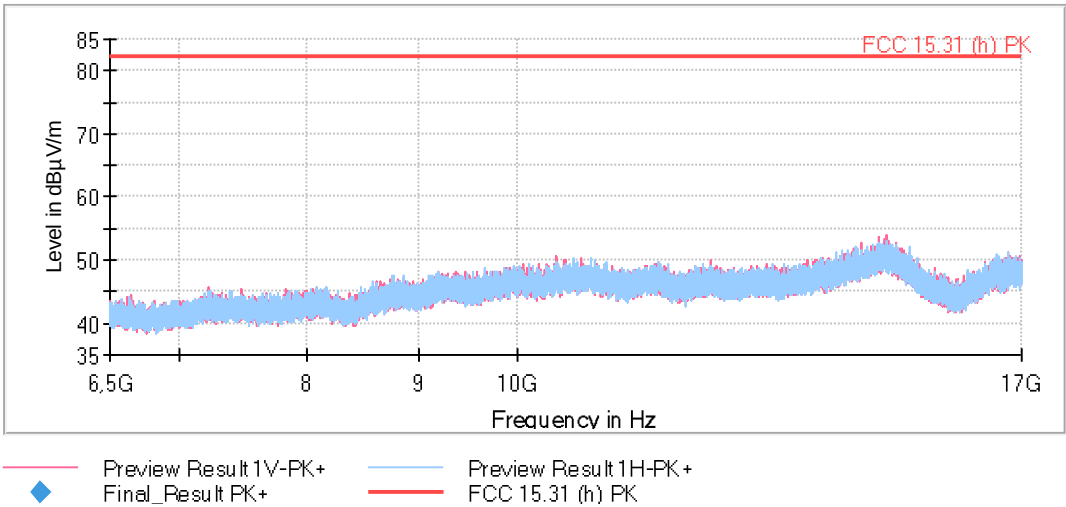
Frequency range 3 GHz – 6.5 GHz



The peak above the limit is the WLAN 5 GHz U-NII-1 carrier frequency.

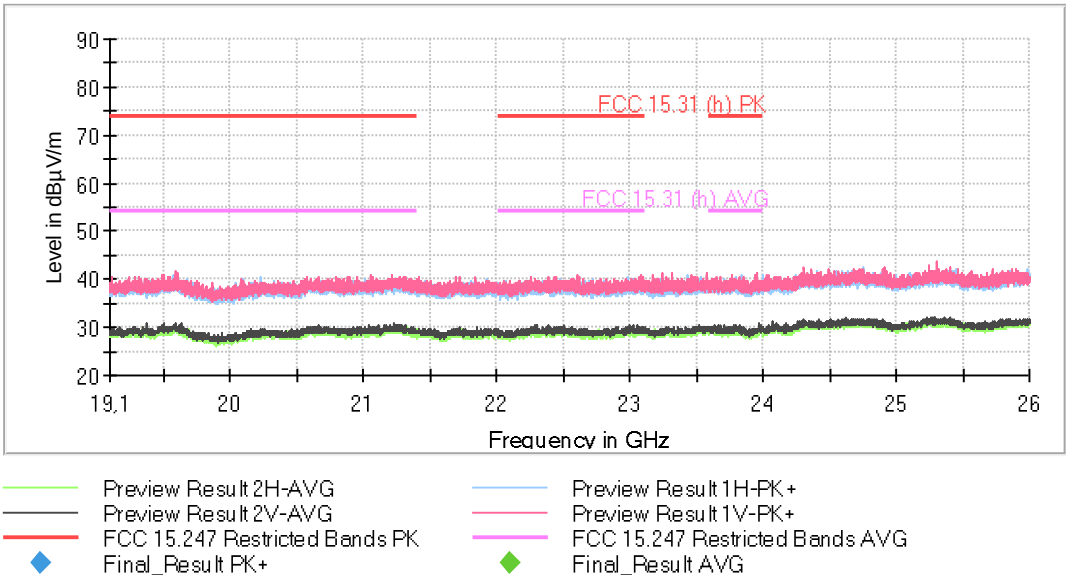
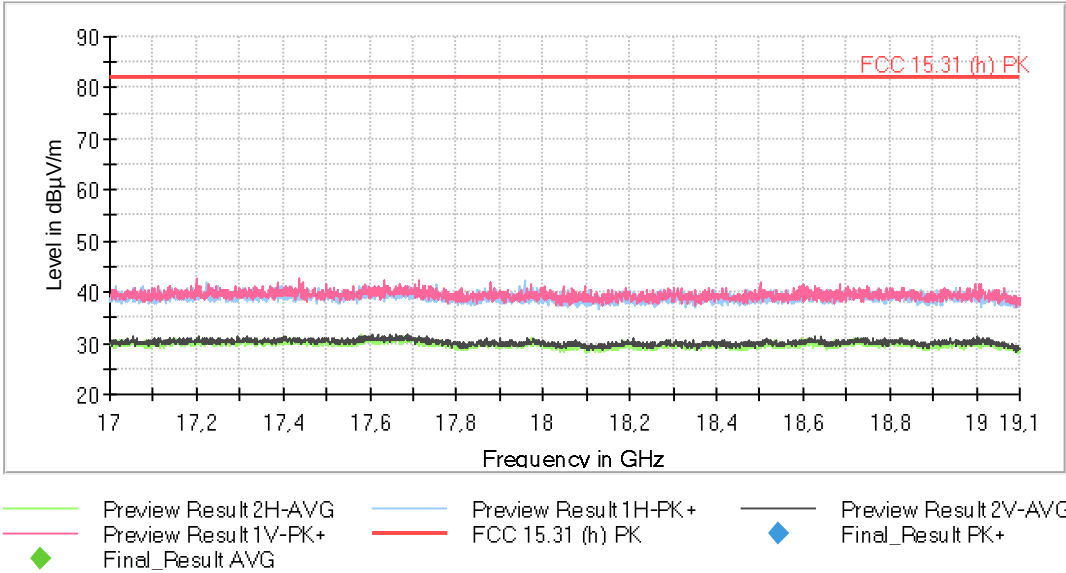
Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [FSW 50] 1 GHz - 6,5 GHz	100 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

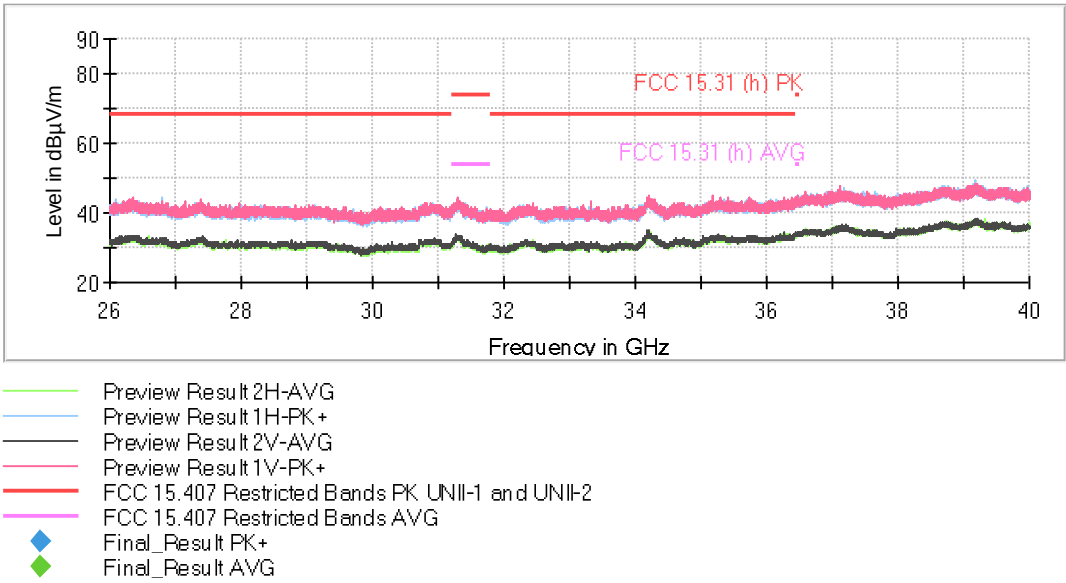
Frequency range 6.5 GHz – 17 GHz



Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [FSW 50] 3 GHz - 17 GHz	140 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency range 17 GHz – 40 GHz





Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [FSW 50] 17 GHz - 40 GHz	766,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Simultaneous transmission BT EDR, WLAN 2.4 GHz, WLAN 5 GHz U-NII-1, 2G 1900

BT EDR: CH30 (2432 MHz), GFSK.
WLAN 2.4 GHz: CH3 (2422 MHz), 802.11 g.
WLAN 5 GHz: CH40 (5200 MHz), 802.11 n20.
2G 1900: High Channel (1909.8 MHz), GPRS.

The limit of the test is determined by:

Frequency Range	Detector	Limit at 3m (dBμV/m)
30 MHz to 19 GHz	Peak	$43 + 10 \log (P) \text{ dB} = -13 \text{ dBm} \rightarrow 82.23 \text{ dB}\mu\text{V/m}$
19 GHz to 40 GHz	Peak	68.23 dBμV/m (*) or 74 dBμV/m (**)
19 GHz to 40 GHz	Average	54 dBμV/m (**)

(*) Radiated emissions which fall in the non-restricted bands.

(**) Radiated emissions which fall in the restricted bands, as defined in §15.205(a).

Results

Frequency range 30 MHz – 1 GHz

No spurious frequencies at less than 20 dB below the limit.

Frequency range 1 GHz – 40 GHz

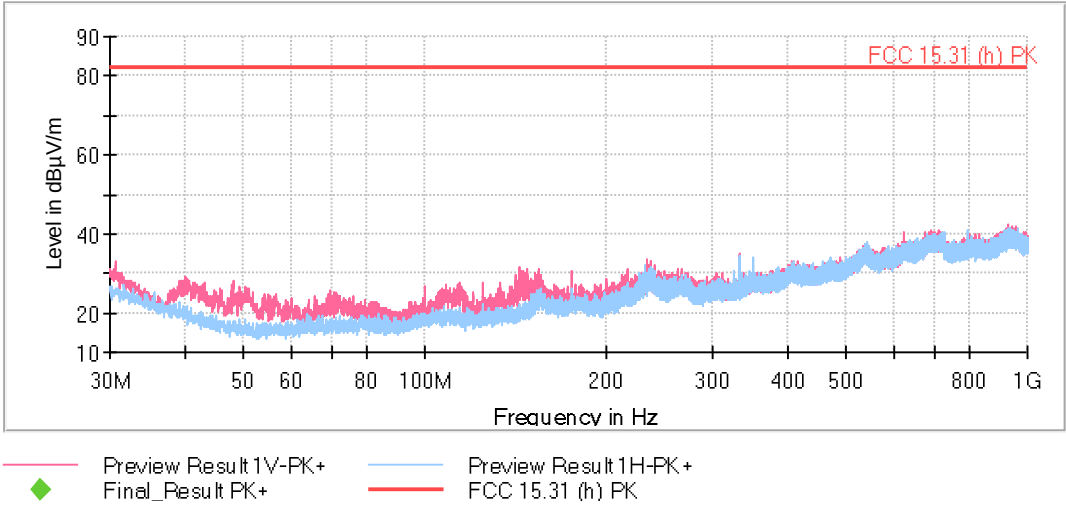
No spurious frequencies at less than 20 dB below the limit.

Verdict

Pass

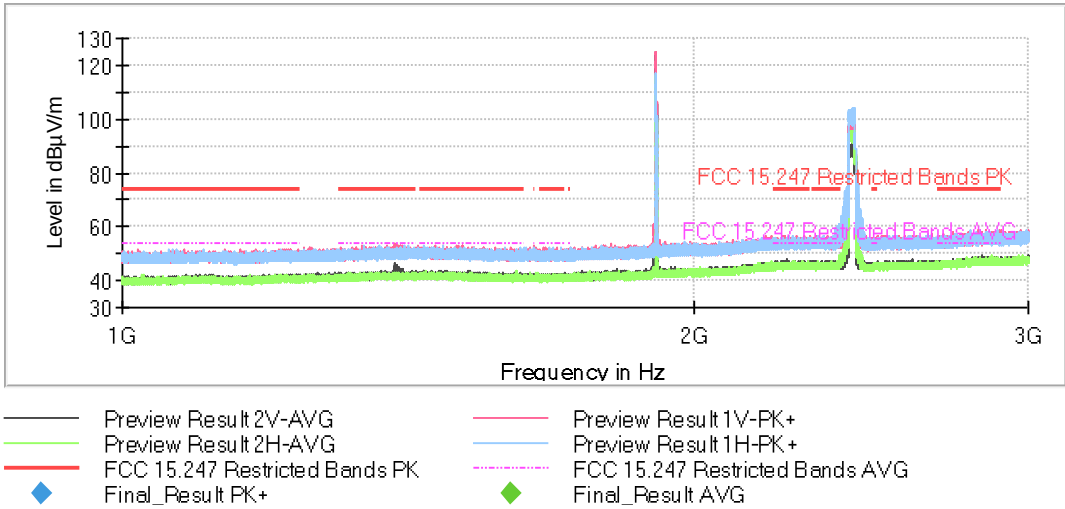
Attachments

Frequency range 30 MHz – 1 GHz



Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [ESR 7] 30 MHz - 1 GHz	30,312 kHz	PK+	100 kHz	1 s	0 dB

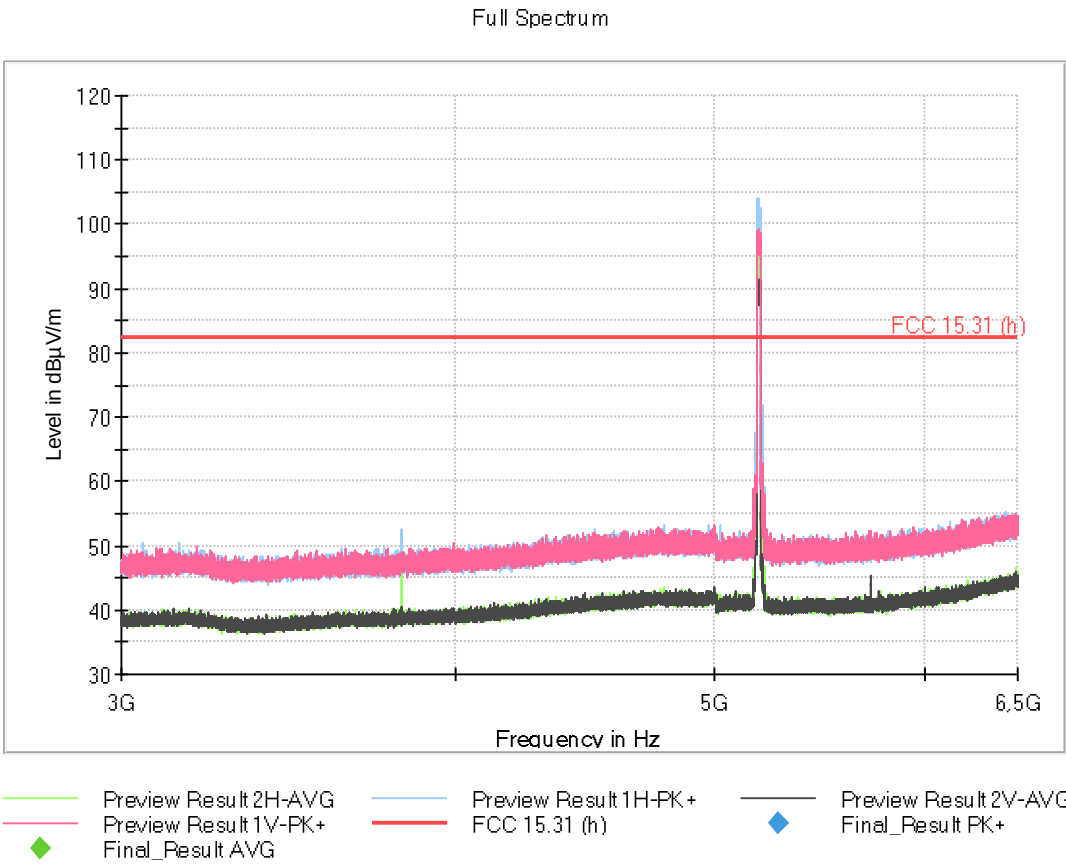
Frequency range 1 GHz – 3 GHz



The peak on the left above the limit is the 2G 1900 carrier frequency.
The peaks on the right above the limit are the BT EDR and WLAN 2.4 GHz carrier frequencies.

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [FSW 50] 1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

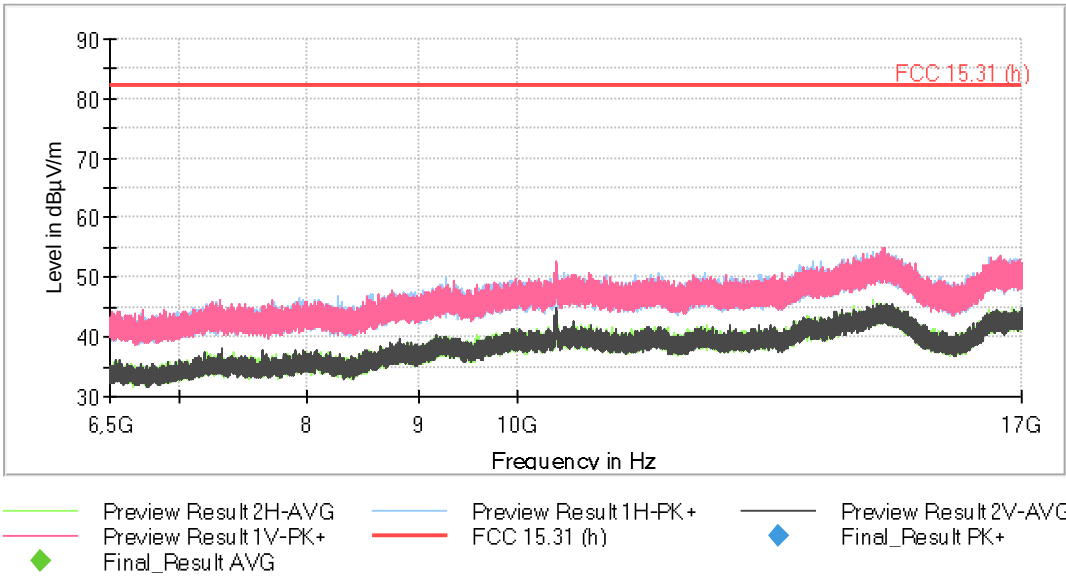
Frequency range 3 GHz – 6.5 GHz



The peak above the limit is the WLAN 5 GHz U-NII-1 carrier frequency.

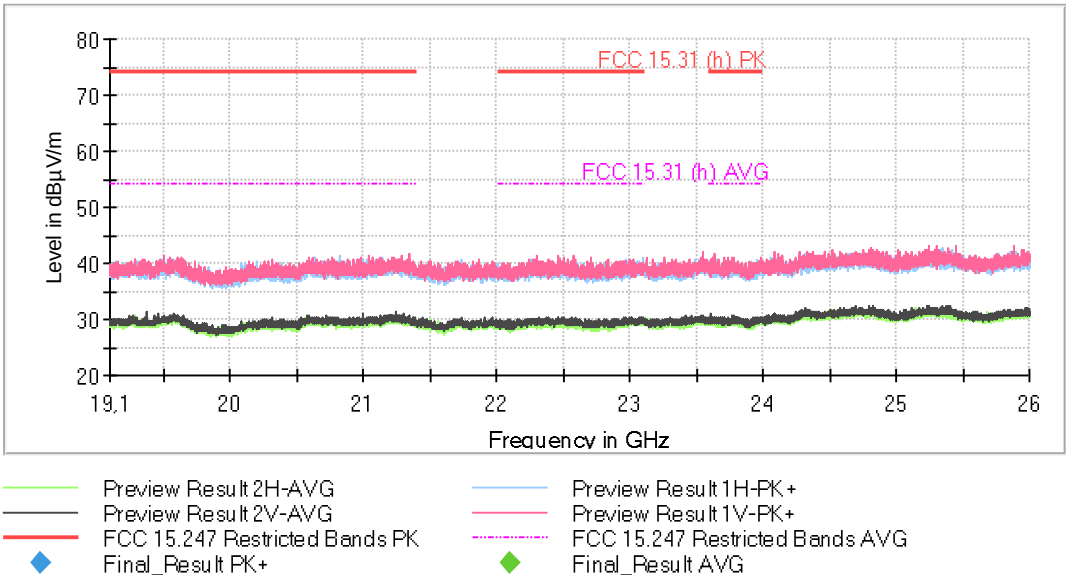
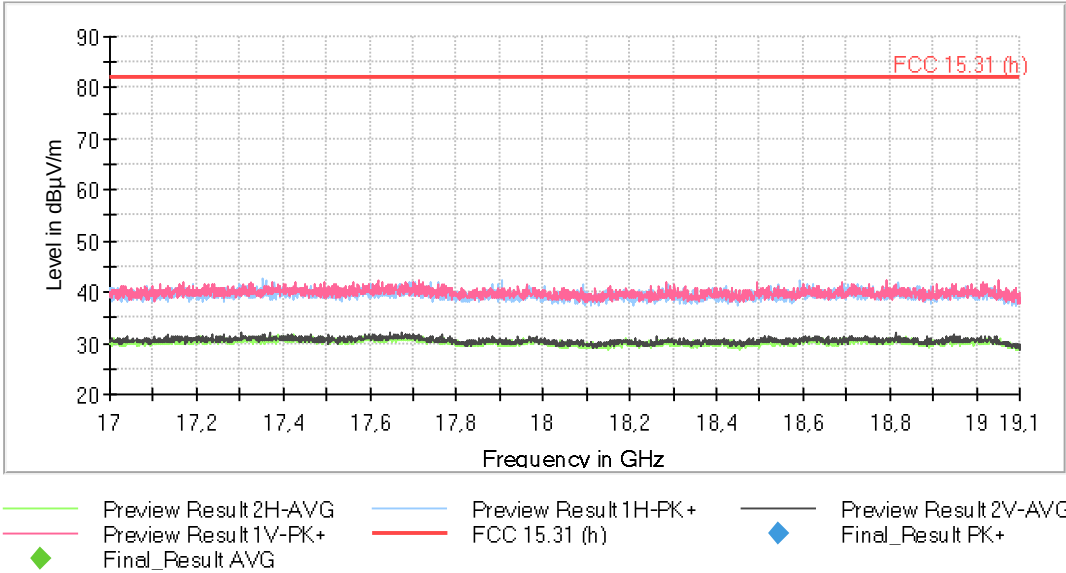
Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [FSW 50] 1 GHz - 6,5 GHz	100 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

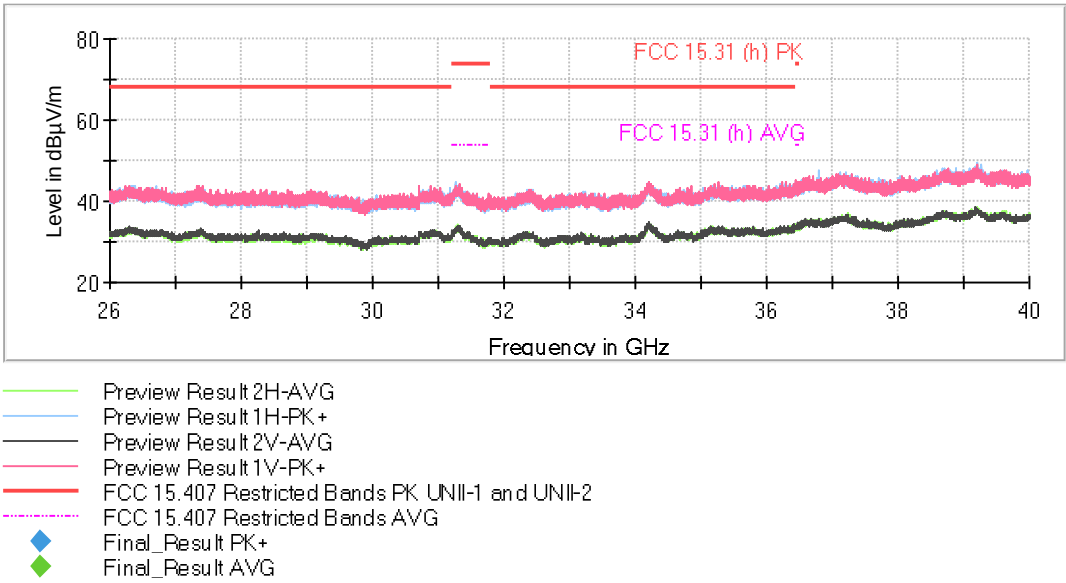
Frequency range 6.5 GHz – 17 GHz



Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [FSW 50] 3 GHz - 17 GHz	140 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency range 17 GHz – 40 GHz





Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [FSW 50] 17 GHz - 40 GHz	766,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Simultaneous transmission BLE, WLAN 2.4 GHz, WLAN 5 GHz U-NII-1, LTE Band 7

BLE: CH30 (2432 MHz), GFSK.
WLAN 2.4 GHz: CH3 (2422 MHz), 802.11 g.
WLAN 5 GHz: CH40 (5200 MHz), 802.11 n20.
LTE Band 7: Low Channel (2510 MHz), QPSK, BW 20 MHz, RB Size: 1, RB Offset: 0.

The limit of the test is determined by:

Frequency Range	Detector	Limit at 3m (dBµV/m)
30 MHz to 1 GHz	Peak	$55 + 10 \log (P) \text{ dB} = -25 \text{ dBm} \rightarrow 70.23 \text{ dBµV/m}$
1 GHz to 26 GHz	Peak	70.23 dBµV/m (*) or 74 dBµV/m (**)
	Average	54 dBµV/m (**)
26 GHz to 40 GHz	Peak	68.23 dBµV/m (*) or 74 dBµV/m (**)
	Average	54 dBµV/m (**)

(*) Radiated emissions which fall in the non-restricted bands.

(**) Radiated emissions which fall in the restricted bands, as defined in §15.205(a).

Results

Frequency range 30 MHz – 1 GHz

No spurious frequencies at less than 20 dB below the limit.

Frequency range 1 GHz – 40 GHz

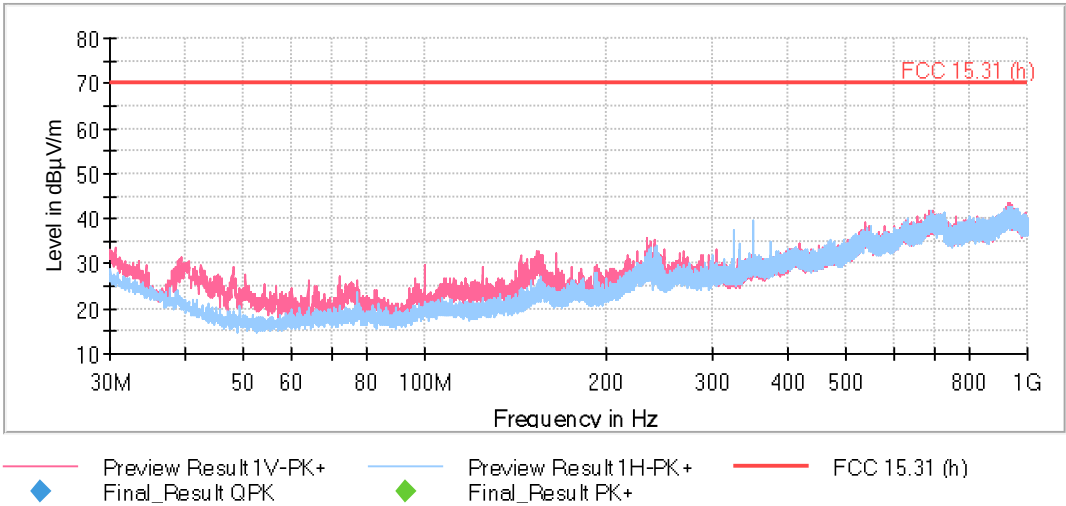
No spurious frequencies found close to the limit.

Verdict

Pass

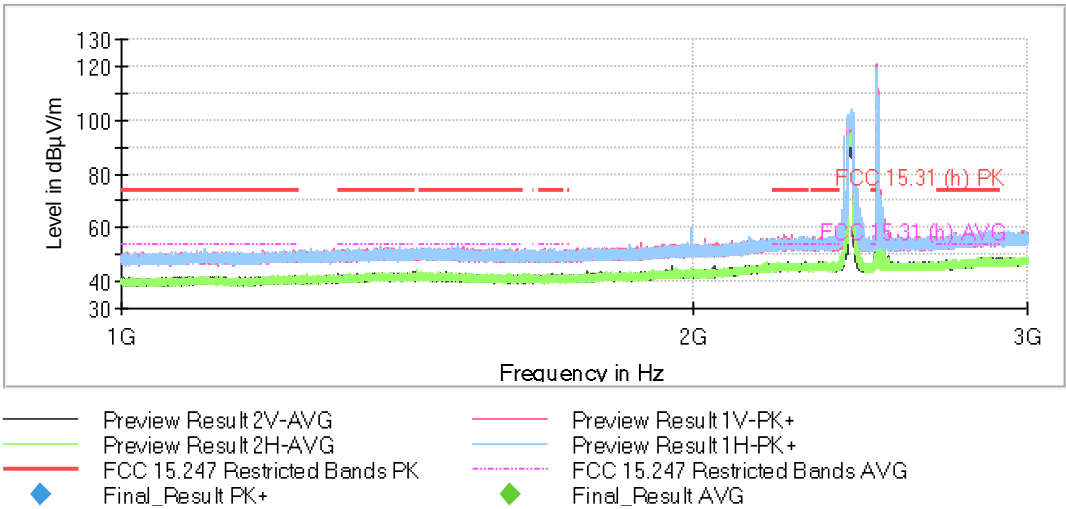
Attachments

Frequency range 30 MHz – 1 GHz



Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [ESR 7] 30 MHz - 1 GHz	30,312 kHz	PK+	100 kHz	1 s	0 dB

Frequency range 1 GHz – 3 GHz

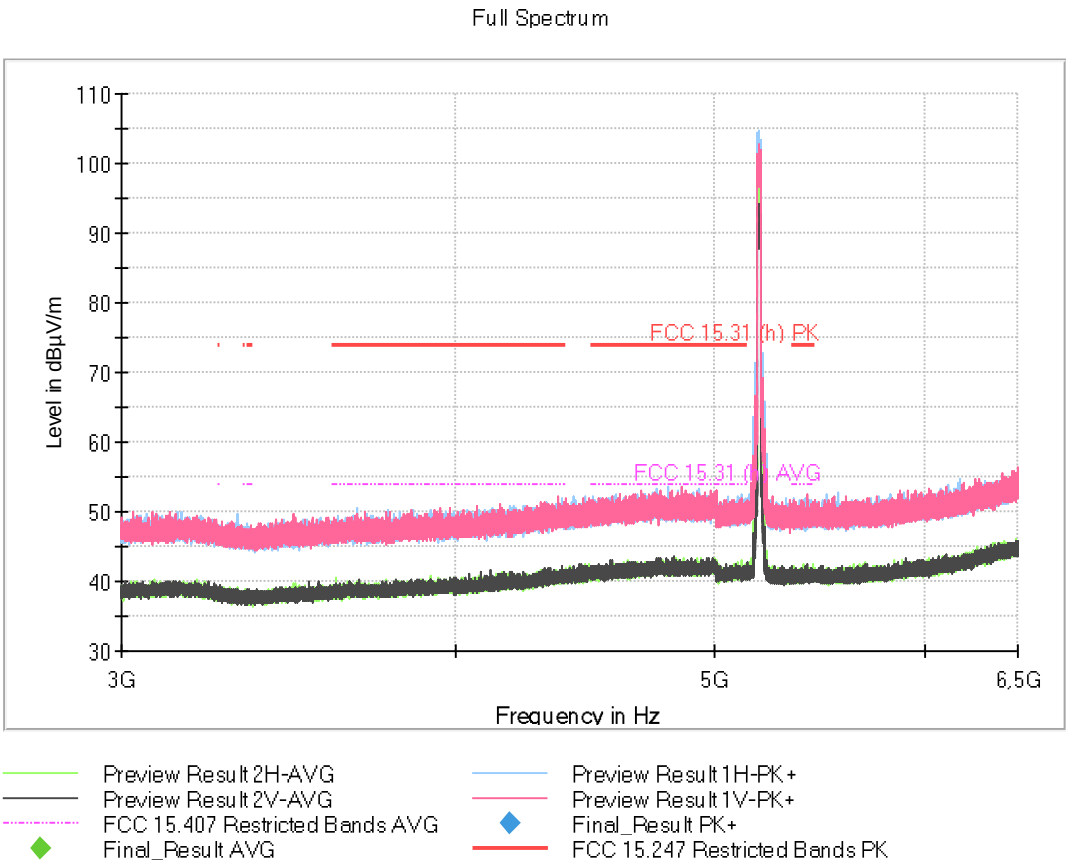


The peaks on the left above the limit are the BLE and WLAN 2.4 GHz carrier frequencies.

The peak on the right above the limit is the LTE Band 7 carrier frequency.

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [FSW 50] 1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

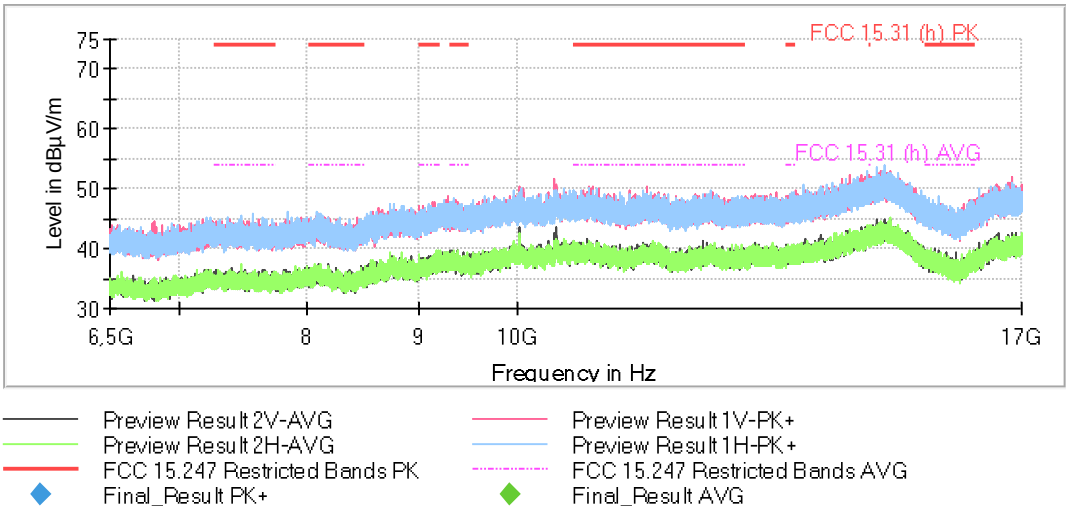
Frequency range 3 GHz – 6.5 GHz



The peak above the limit is the WLAN 5 GHz U-NII-1 carrier frequency.

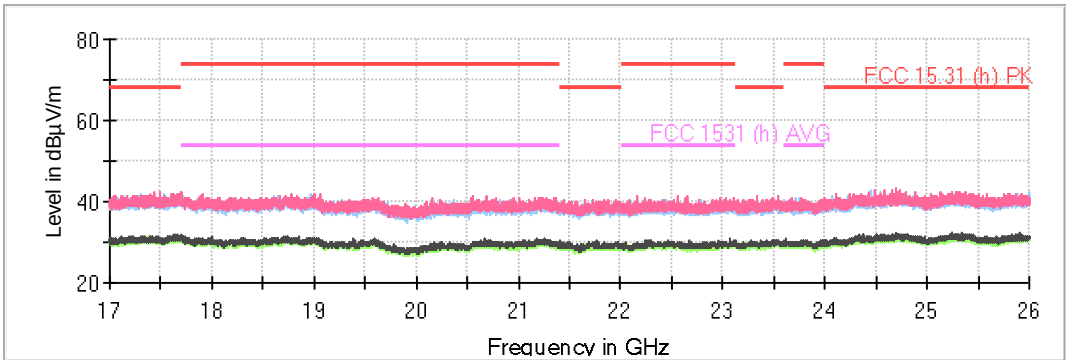
Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [FSW 50] 1 GHz - 6,5 GHz	100 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency range 6.5 GHz – 17 GHz

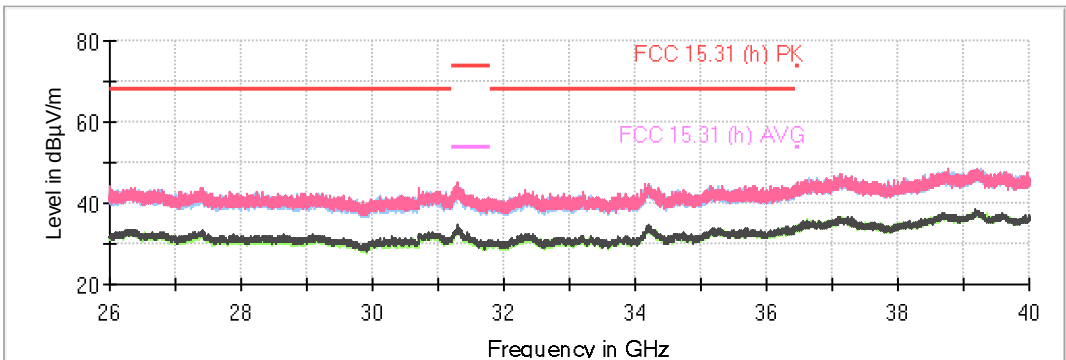


Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [FSW 50] 3 GHz - 17 GHz	140 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency range 17 GHz – 40 GHz



- Preview Result 2H-AVG
- Preview Result 1H-PK+
- Preview Result 2V-AVG
- Preview Result 1V-PK+
- FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
- FCC 15.407 Restricted Bands AVG
- Final_Result PK+
- Final_Result AVG



- Preview Result 2H-AVG
- Preview Result 1H-PK+
- Preview Result 2V-AVG
- Preview Result 1V-PK+
- FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
- FCC 15.407 Restricted Bands AVG
- Final_Result PK+
- Final_Result AVG

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [FSW 50] 17 GHz - 40 GHz	766,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Simultaneous transmission BT EDR, WLAN 2.4 GHz, WLAN 5 GHz U-NII-1, LTE Band 7

BT EDR: Low Channel (2402 MHz), 1 Mbps.
WLAN 2.4 GHz: CH3 (2422 MHz), 802.11 g.
WLAN 5 GHz: CH40 (5200 MHz), 802.11 n20.
LTE Band 7: Low Channel (2510 MHz), QPSK. BW 20 MHz, RB Size: 1, RB Offset: 0.

The limit of the test is determined by:

Frequency Range	Detector	Limit at 3m (dBμV/m)
30 MHz to 1 GHz	Peak	$55 + 10 \log (P) \text{ dB} = -25 \text{ dBm} \rightarrow 70.23 \text{ dB}\mu\text{V/m}$
1 GHz to 26 GHz	Peak	70.23 dBμV/m (*) or 74 dBμV/m (**)
	Average	54 dBμV/m (**)
26 GHz to 40 GHz	Peak	68.23 dBμV/m (*) or 74 dBμV/m (**)
	Average	54 dBμV/m (**)

(*) Radiated emissions which fall in the non-restricted bands.

(**) Radiated emissions which fall in the restricted bands, as defined in §15.205(a).

Results

Frequency range 30 MHz – 1 GHz

No spurious frequencies at less than 20 dB below the limit.

Frequency range 1 GHz – 40 GHz

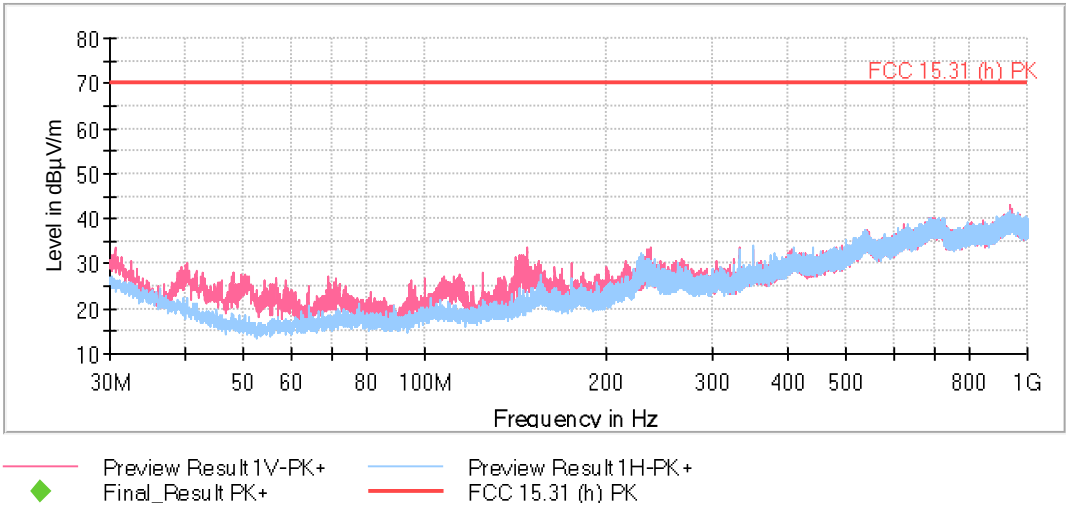
No spurious frequencies found close to the limit.

Verdict

Pass

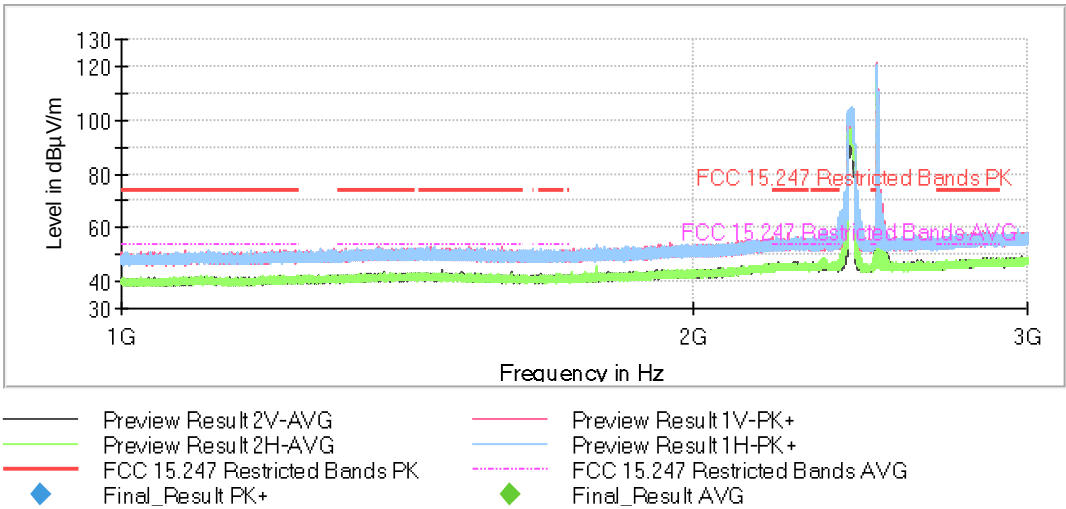
Attachments

Frequency range 30 MHz – 1 GHz



Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [ESR 7] 30 MHz - 1 GHz	30,312 kHz	PK+	100 kHz	1 s	0 dB

Frequency range 1 GHz – 3 GHz

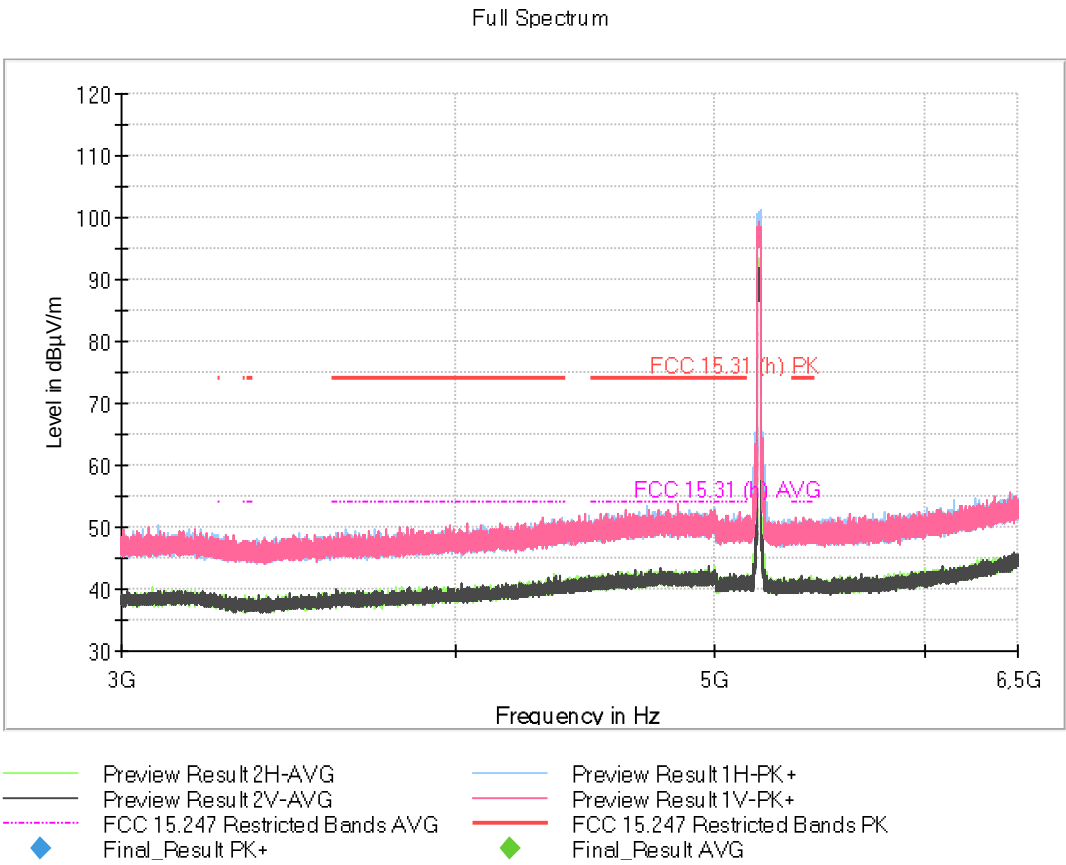


The peaks on the left above the limit are the BTEDR and WLAN 2.4 GHz carrier frequencies.

The peak on the right above the limit is the LTE Band 7 carrier frequency.

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [FSW 50] 1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

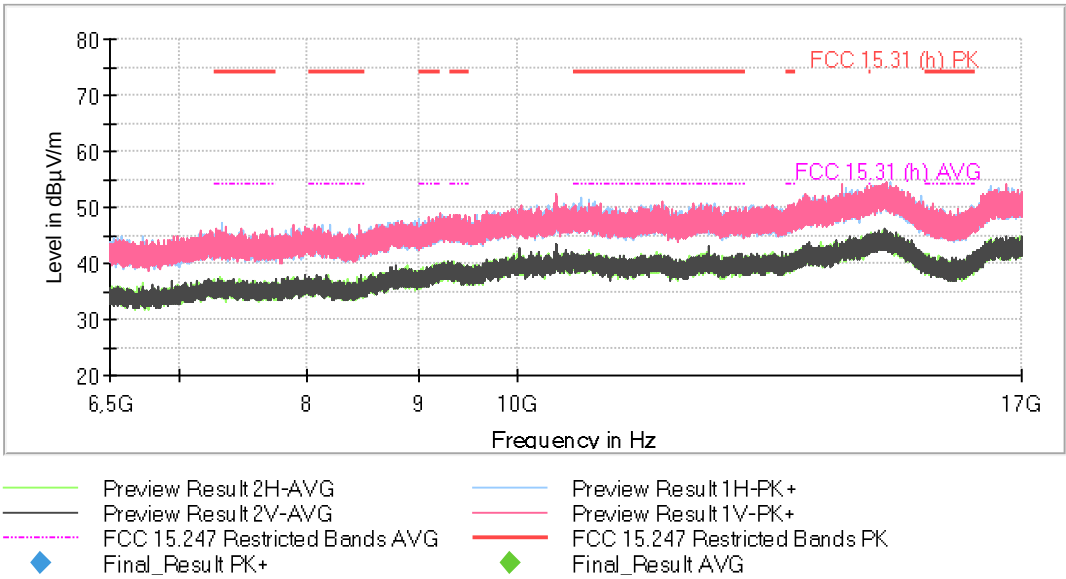
Frequency range 3 GHz – 6.5 GHz



The peak above the limit is the WLAN 5 GHz U-NII-1 carrier frequency.

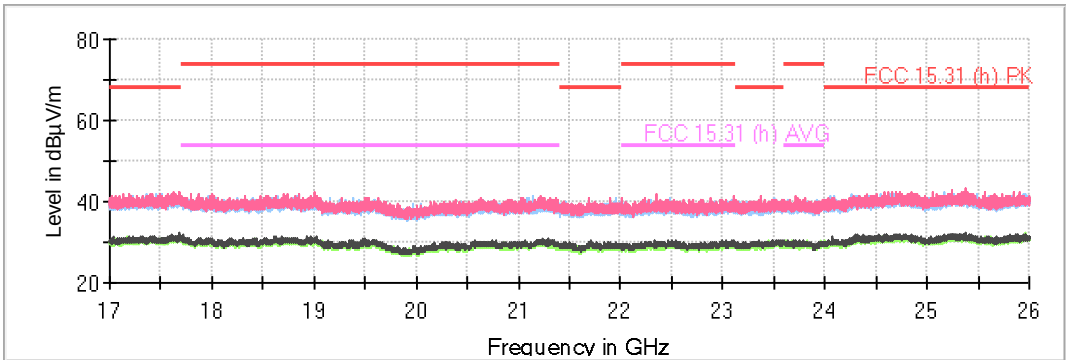
Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [FSW 50] 1 GHz - 6,5 GHz	100 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency range 6.5 GHz – 17 GHz

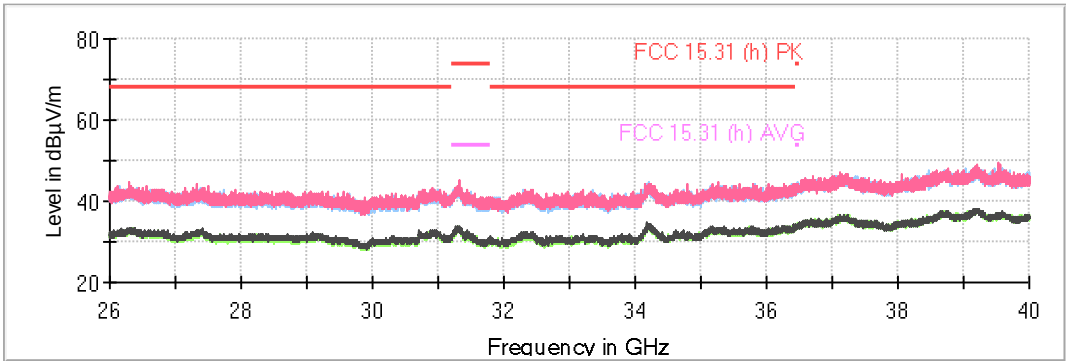


Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [FSW 50] 3 GHz - 17 GHz	140 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency range 17 GHz – 40 GHz



- Preview Result 2H-AVG
- Preview Result 1H-PK+
- Preview Result 2V-AVG
- Preview Result 1V-PK+
- FCC 15.407 Restricted Bands AVG
- FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
- Final_Result PK+
- Final_Result AVG



- Preview Result 2H-AVG
- Preview Result 1H-PK+
- Preview Result 2V-AVG
- Preview Result 1V-PK+
- FCC 15.407 Restricted Bands AVG
- FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
- Final_Result PK+
- Final_Result AVG

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [FSW 50] 17 GHz - 40 GHz	766,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB