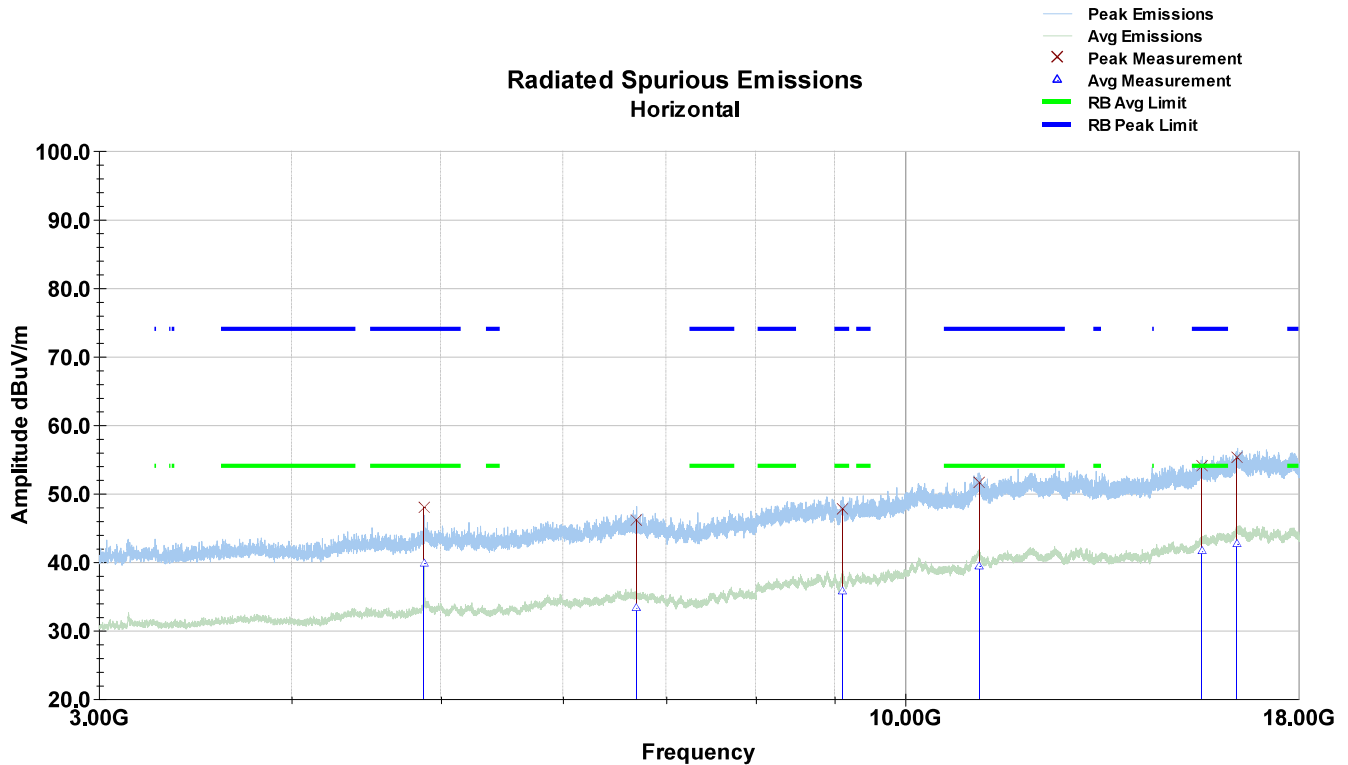


3-18GHz – Horizontal – CH6 X-axis



Peak

Frequency MHz	Raw Pk dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Final Pk dBuV/m	Limit dBuV/m	Margin dB
4874.00	45.0	H	105.0	208.0	34.1	3.1	0.0	34.2	48.0	74.0	-26.0
6693.00	41.5	H	68.0	242.0	35.6	3.2	0.0	34.1	46.2	74.0	-27.8
9114.00	42.1	H	68.0	175.0	36.4	3.6	0.0	34.4	47.7	74.0	-26.3
11170.00	43.8	H	360.0	242.0	38.6	4.3	0.0	35.1	51.6	74.0	-22.4
15580.00	44.8	H	238.0	250.0	40.6	4.9	0.0	36.2	54.0	74.0	-20.0
16418.00	44.9	H	208.0	100.0	41.1	5.2	0.0	36.0	55.2	74.0	-18.8
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

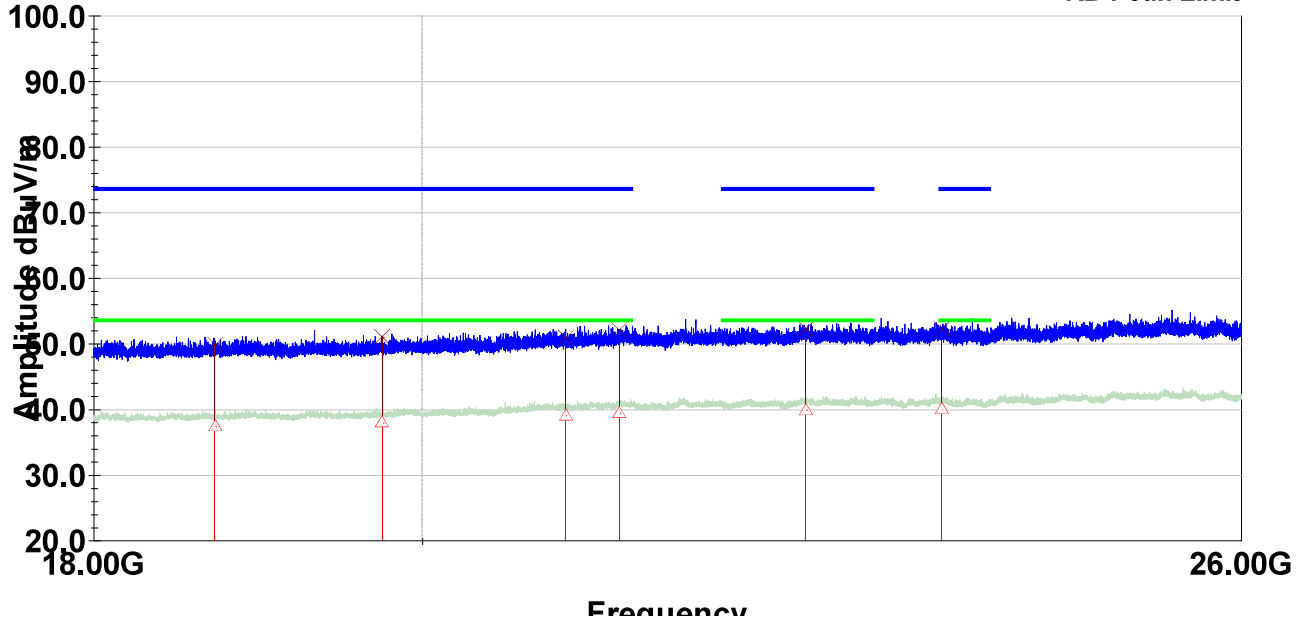
Average

Frequency MHz	Raw Avg dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Avg Value dBuV/m	Limit (dBuV/m)	Margin (dB)
4874.00	36.9	H	105.0	208.0	34.1	3.1	0.0	34.2	39.9	54.0	-14.1
6693.00	28.7	H	68.0	242.0	35.6	3.2	0.0	34.1	33.3	54.0	-20.6
9114.00	30.2	H	68.0	175.0	36.4	3.6	0.0	34.4	35.9	54.0	-18.1
11170.00	31.6	H	360.0	242.0	38.6	4.3	0.0	35.1	39.4	54.0	-14.6
15580.00	32.4	H	238.0	250.0	40.6	4.9	0.0	36.2	41.6	54.0	-12.4
16418.00	32.4	H	208.0	100.0	41.1	5.2	0.0	36.0	42.7	54.0	-11.3
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											

18-26GHz – Vertical – CH6 X-axis

Radiated Spurious Emissions Vertical

— Peak Emissions
 — Avg Emissions
 × Peak Measurement
 △ Avg Measurement
 — RB Avg Limit
 — RB Peak Limit



Peak

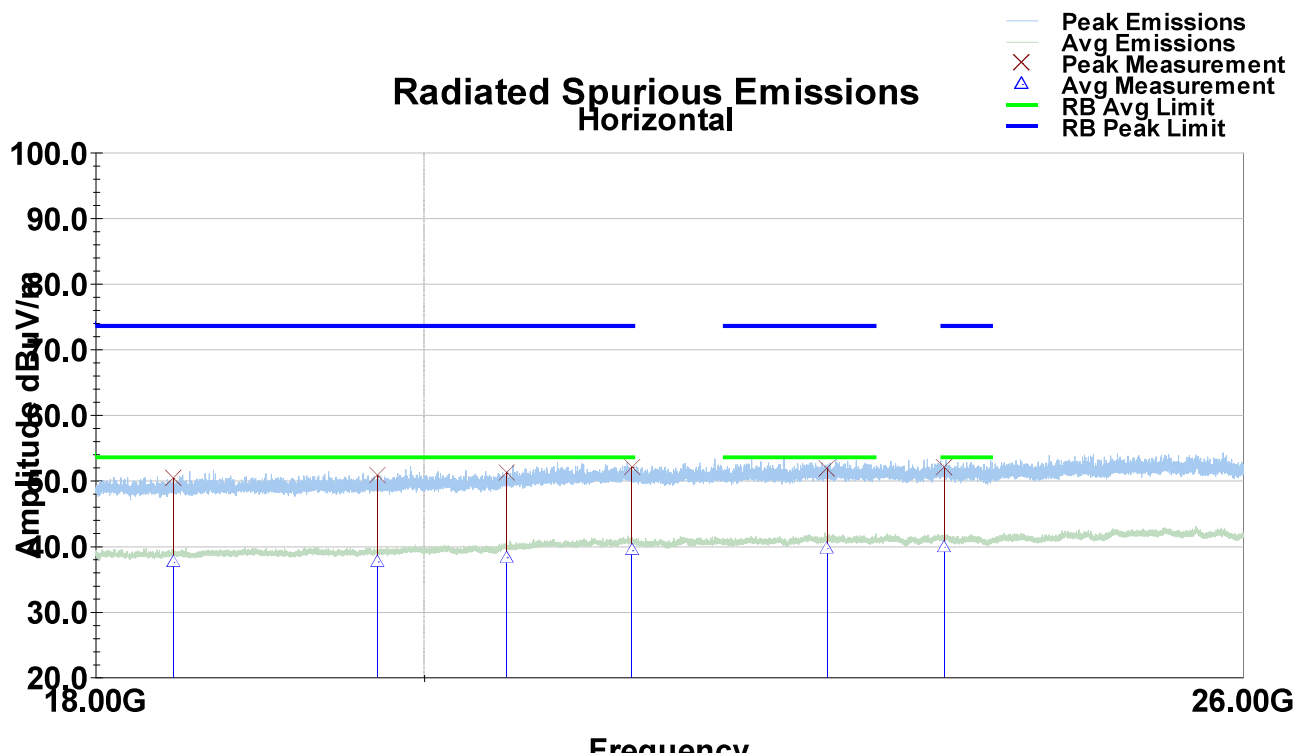
Frequency MHz	Raw Pk (dBuV)	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF (dB)	Amp (dB)	Final Pk (dBuV/m)	Limit (dBuV/m)	Margin (dB)
18715.36	54.8	V	299.0	200.0	44.5	9.1	-9.5	49.0	49.8	83.5	-33.7
19748.36	55.8	V	154.0	169.0	44.8	9.3	-9.5	49.5	51.0	83.5	-32.5
20940.36	55.0	V	23.0	210.0	45.4	9.7	-9.5	49.8	50.9	83.5	-32.6
21304.88	56.2	V	43.0	249.0	45.6	9.7	-9.5	49.9	52.1	83.5	-31.4
22618.64	55.7	V	-1.0	180.0	45.7	10.1	-9.5	49.9	52.1	83.5	-31.4
23626.64	55.6	V	24.0	191.0	45.5	10.5	-9.5	50.0	52.2	83.5	-31.4
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

Average

Frequency MHz	Raw Avg dBuV	Polarity V/H	Azimuth degrees	Height cm	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
18715.36	42.4	V	299.0	200.0	44.5	9.1	-9.5	49.0	37.4	63.5	-26.1
19748.36	42.8	V	154.0	169.0	44.8	9.3	-9.5	49.5	38.0	63.5	-25.6
20940.36	43.2	V	23.0	210.0	45.4	9.7	-9.5	49.8	39.1	63.5	-24.4
21304.88	43.6	V	43.0	249.0	45.6	9.7	-9.5	49.9	39.5	63.5	-24.1
22618.64	43.5	V	-1.0	180.0	45.7	10.1	-9.5	49.9	39.9	63.5	-23.6
23626.64	43.4	V	24.0	191.0	45.5	10.5	-9.5	50.0	40.0	63.5	-23.6
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											

18-26GHz – Horizontal – CH6 X-axis

Radiated Spurious Emissions Horizontal



Peak

Frequency MHz	Raw Pk dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Final Pk dBuV/m	Limit dBuV/m	Margin dB
18458.80	55.1	H	228.0	245.0	44.5	9.0	-9.5	48.8	50.3	83.5	-33.2
19704.00	55.6	H	69.0	189.0	44.8	9.3	-9.5	49.4	50.7	83.5	-32.8
20535.20	55.6	H	69.0	198.0	45.2	9.5	-9.5	49.6	51.2	83.5	-32.3
21378.00	56.2	H	341.0	175.0	45.6	9.7	-9.5	50.0	52.0	83.5	-31.5
22759.20	55.6	H	148.0	146.0	45.8	10.1	-9.5	50.2	51.8	83.5	-31.7
23629.60	55.4	H	39.0	166.0	45.5	10.5	-9.5	50.0	51.9	83.5	-31.6
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

Average

Frequency MHz	Raw Avg dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Avg Value dBuV/m	Limit dBuV/m	Margin dB
18458.80	42.4	H	228.0	245.0	44.5	9.0	-9.5	48.8	37.6	63.5	-25.9
19704.00	42.5	H	69.0	189.0	44.8	9.3	-9.5	49.4	37.7	63.5	-25.9
20535.20	42.7	H	69.0	198.0	45.2	9.5	-9.5	49.6	38.3	63.5	-25.2
21378.00	43.5	H	341.0	175.0	45.6	9.7	-9.5	50.0	39.4	63.5	-24.2
22759.20	43.5	H	148.0	146.0	45.8	10.1	-9.5	50.2	39.7	63.5	-23.8
23629.60	43.4	H	39.0	166.0	45.5	10.5	-9.5	50.0	39.9	63.5	-23.6
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											

7.5.3 WLAN 802.11b – 1Mbps – DSSS - Antenna 1 – Channel 11

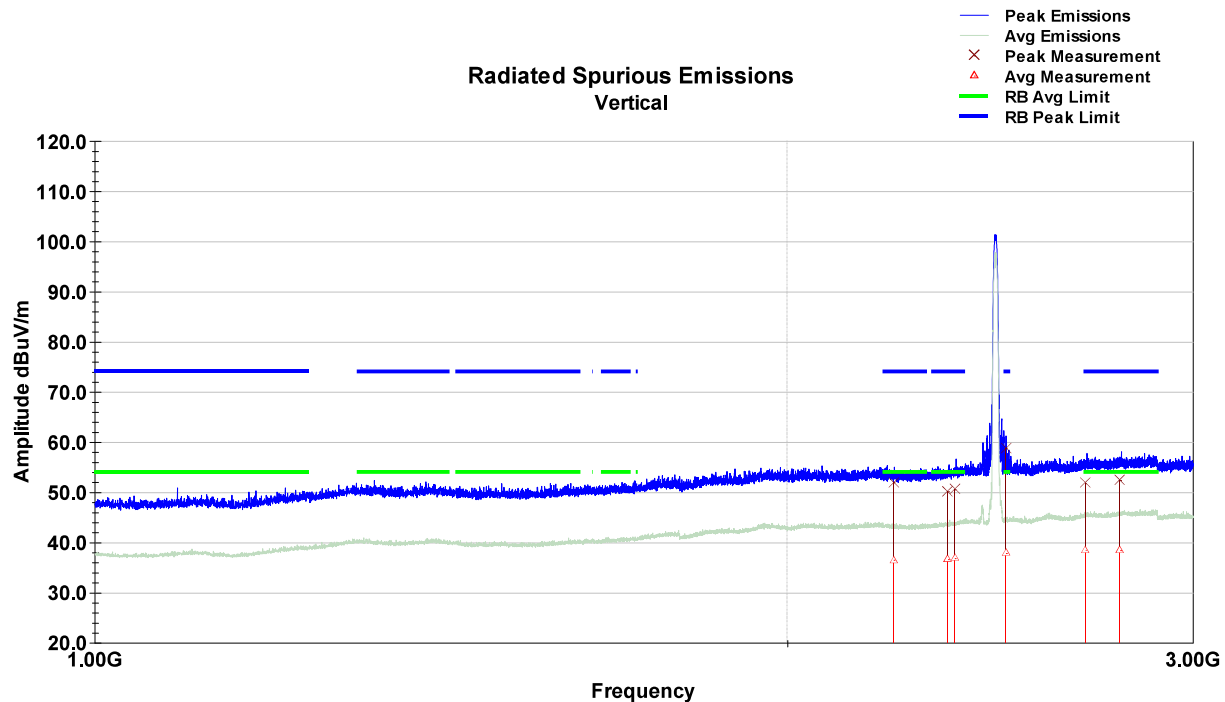
9kHz-30MHz

- This frequency range does not show any significant difference between different chains, channels and/or orientation. No unwanted emissions within 20db of the limit.

30-1000MHz

- This frequency range does not show any significant difference between different chains, channels and/or orientation. Worst case plots shown on channel 6.

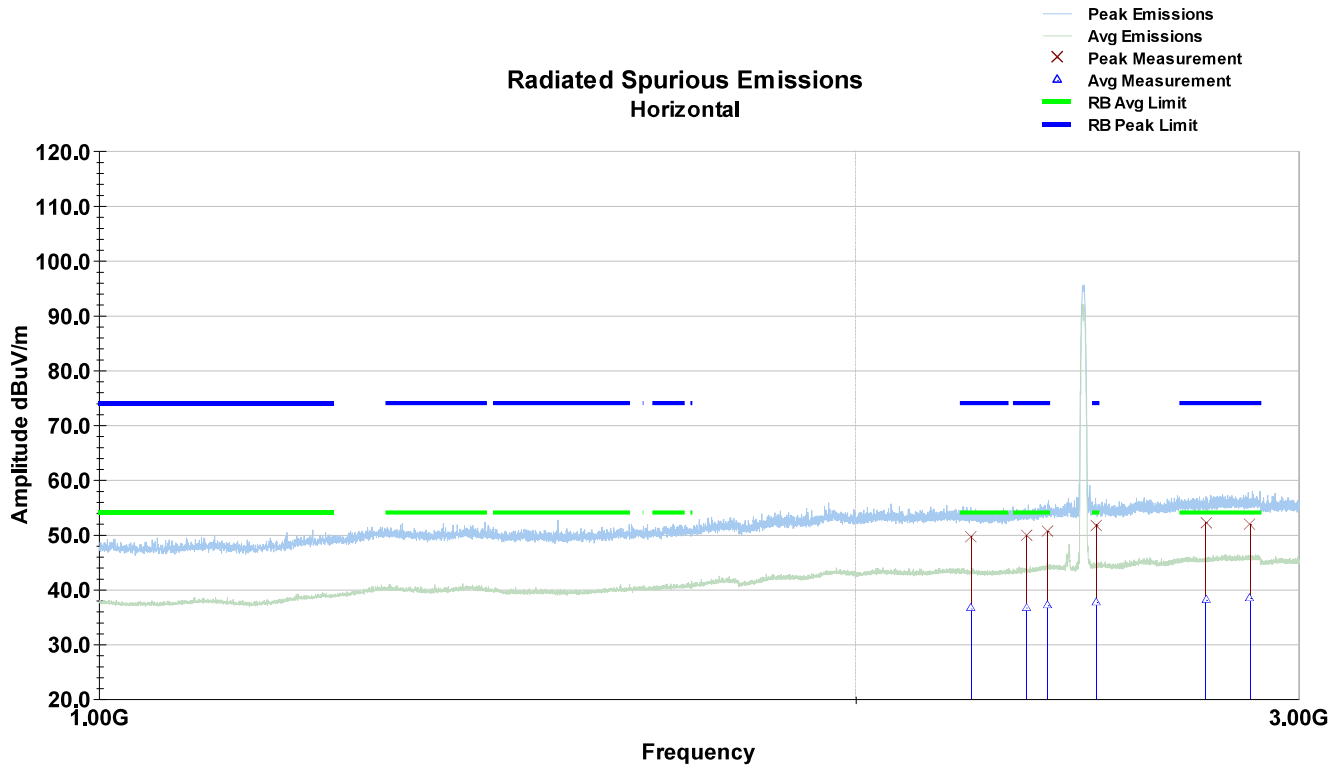
1-3GHz – Vertical – CH11 X-axis



Peak											
Frequency MHz	Raw Pk (dBuV)	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF (dB)	Amp (dB)	Final Pk (dBuV/m)	Limit (dBuV/m)	Margin (dB)
2224.12	43.2	V	155.0	198.0	31.3	11.9	0.0	34.5	52.0	74.0	-22.0
2348.28	41.3	V	192.0	125.0	31.5	12.0	0.0	34.6	50.1	74.0	-23.9
2364.44	41.4	V	177.0	206.0	31.6	12.0	0.0	34.5	50.5	74.0	-23.5
2488.48	49.1	V	354.0	164.0	31.9	12.0	0.0	34.2	58.9	74.0	-15.1
2695.52	41.3	V	261.0	106.0	32.4	12.1	0.0	34.1	51.8	74.0	-22.2
2790.00	41.9	V	305.0	139.0	32.5	12.1	0.0	34.2	52.4	74.0	-21.6
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

Average											
Frequency MHz	Raw Avg dBuV	Polarity V/H	Azimuth degrees	Height cm	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
2224.12	27.8	V	155.0	198.0	31.3	11.9	0.0	34.5	36.5	54.0	-17.5
2348.28	27.8	V	192.0	125.0	31.5	12.0	0.0	34.6	36.6	54.0	-17.4
2364.44	27.8	V	177.0	206.0	31.6	12.0	0.0	34.5	36.9	54.0	-17.1
2488.48	28.2	V	354.0	164.0	31.9	12.0	0.0	34.2	37.9	54.0	-16.1
2695.52	28.0	V	261.0	106.0	32.4	12.1	0.0	34.1	38.5	54.0	-15.5
2790.00	28.0	V	305.0	139.0	32.5	12.1	0.0	34.2	38.4	54.0	-15.5
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											

1-3GHz – Horizontal – CH11 X-axis



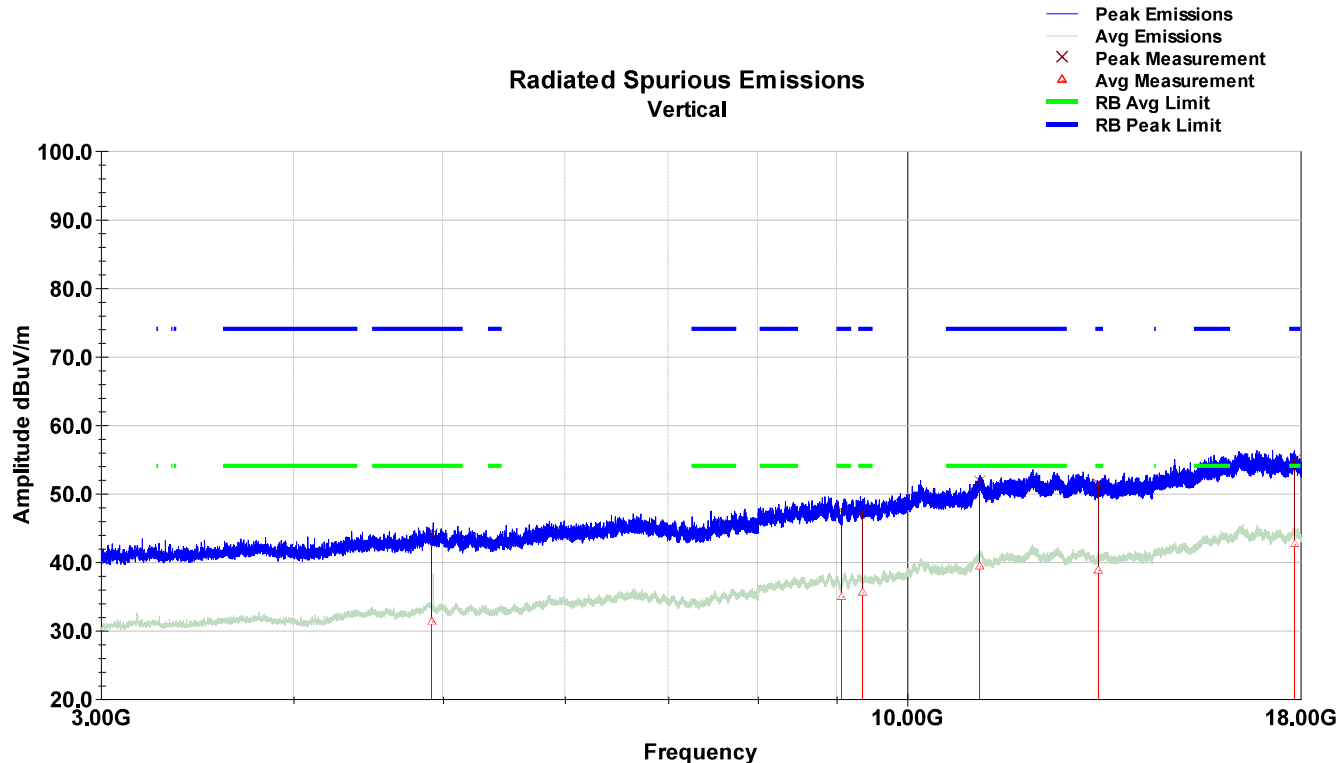
Peak

Frequency MHz	Raw Pk dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Final Pk dBuV/m	Limit dBuV/m	Margin dB
2223.00	41.0	H	232.0	106.0	31.3	11.9	0.0	34.5	49.7	74.0	-24.3
2338.00	40.9	H	289.0	248.0	31.4	12.0	0.0	34.6	49.8	74.0	-24.2
2384.00	41.2	H	220.0	175.0	31.8	12.0	0.0	34.4	50.6	74.0	-23.4
2493.00	42.0	H	271.0	159.0	31.9	12.0	0.0	34.2	51.7	74.0	-22.3
2756.00	42.0	H	150.0	100.0	32.5	12.2	0.0	34.5	52.2	74.0	-21.8
2870.00	41.7	H	288.0	249.0	32.4	12.2	0.0	34.4	51.9	74.0	-22.1
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

Average

Frequency MHz	Raw Avg dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Avg Value dBuV/m	Limit dBuV/m	Margin dB
2223.00	27.8	H	232.0	106.0	31.3	11.9	0.0	34.5	36.6	54.0	-17.4
2338.00	27.8	H	289.0	248.0	31.4	12.0	0.0	34.6	36.7	54.0	-17.3
2384.00	27.7	H	220.0	175.0	31.8	12.0	0.0	34.4	37.1	54.0	-16.9
2493.00	28.0	H	271.0	159.0	31.9	12.0	0.0	34.2	37.7	54.0	-16.3
2756.00	28.0	H	150.0	100.0	32.5	12.2	0.0	34.5	38.1	54.0	-15.9
2870.00	28.2	H	288.0	249.0	32.4	12.2	0.0	34.4	38.4	54.0	-15.5
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											

3-18GHz – Vertical – CH11 X-axis



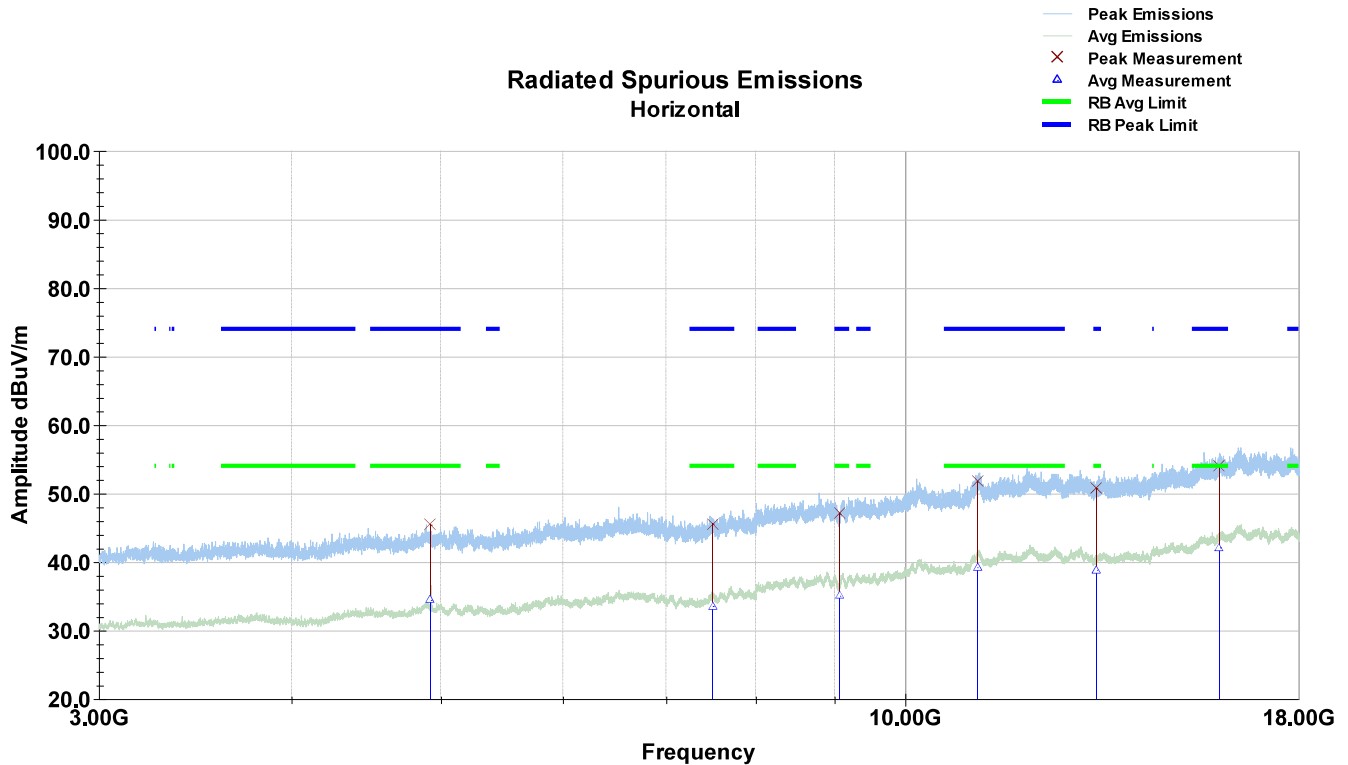
Peak

Frequency MHz	Raw Pk (dBuV)	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF (dB)	Amp (dB)	Final Pk (dBuV/m)	Limit (dBuV/m)	Margin (dB)
2224.12	43.2	V	155.0	198.0	31.3	11.9	0.0	34.5	52.0	74.0	-22.0
2348.28	41.3	V	192.0	125.0	31.5	12.0	0.0	34.6	50.1	74.0	-23.9
2364.44	41.4	V	177.0	206.0	31.6	12.0	0.0	34.5	50.5	74.0	-23.5
2488.48	49.1	V	354.0	164.0	31.9	12.0	0.0	34.2	58.9	74.0	-15.1
2695.52	41.3	V	261.0	106.0	32.4	12.1	0.0	34.1	51.8	74.0	-22.2
2790.00	41.9	V	305.0	139.0	32.5	12.1	0.0	34.2	52.4	74.0	-21.6
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

Average

Frequency MHz	Raw Avg dBuV	Polarity V/H	Azimuth degrees	Height cm	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
2224.12	27.8	V	155.0	198.0	31.3	11.9	0.0	34.5	36.5	54.0	-17.5
2348.28	27.8	V	192.0	125.0	31.5	12.0	0.0	34.6	36.6	54.0	-17.4
2364.44	27.8	V	177.0	206.0	31.6	12.0	0.0	34.5	36.9	54.0	-17.1
2488.48	28.2	V	354.0	164.0	31.9	12.0	0.0	34.2	37.9	54.0	-16.1
2695.52	28.0	V	261.0	106.0	32.4	12.1	0.0	34.1	38.5	54.0	-15.5
2790.00	28.0	V	305.0	139.0	32.5	12.1	0.0	34.2	38.4	54.0	-15.5
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											

3-18GHz – Horizontal – CH11 X-axis



Frequency MHz	Raw Pk dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Final Pk dBuV/m	Limit dBuV/m	Margin dB
2223.00	41.0	H	232.0	106.0	31.3	11.9	0.0	34.5	49.7	74.0	-24.3
2338.00	40.9	H	289.0	248.0	31.4	12.0	0.0	34.6	49.8	74.0	-24.2
2384.00	41.2	H	220.0	175.0	31.8	12.0	0.0	34.4	50.6	74.0	-23.4
2493.00	42.0	H	271.0	159.0	31.9	12.0	0.0	34.2	51.7	74.0	-22.3
2756.00	42.0	H	150.0	100.0	32.5	12.2	0.0	34.5	52.2	74.0	-21.8
2870.00	41.7	H	288.0	249.0	32.4	12.2	0.0	34.4	51.9	74.0	-22.1
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

Frequency MHz	Raw Avg dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Avg Value dBuV/m	Limit dBuV/m	Margin dB
2223.00	27.8	H	232.0	106.0	31.3	11.9	0.0	34.5	36.6	54.0	-17.4
2338.00	27.8	H	289.0	248.0	31.4	12.0	0.0	34.6	36.7	54.0	-17.3
2384.00	27.7	H	220.0	175.0	31.8	12.0	0.0	34.4	37.1	54.0	-16.9
2493.00	28.0	H	271.0	159.0	31.9	12.0	0.0	34.2	37.7	54.0	-16.3
2756.00	28.0	H	150.0	100.0	32.5	12.2	0.0	34.5	38.1	54.0	-15.9
2870.00	28.2	H	288.0	249.0	32.4	12.2	0.0	34.4	38.4	54.0	-15.5
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											

18-26GHz

- This frequency range does not show any significant difference between different EUT orientations, channels, or chains. Worst Case plots shown on Channel 6.

7.5.4 WLAN 802.11n – MCS4 – OFDM - Antenna 1 - Channel 1

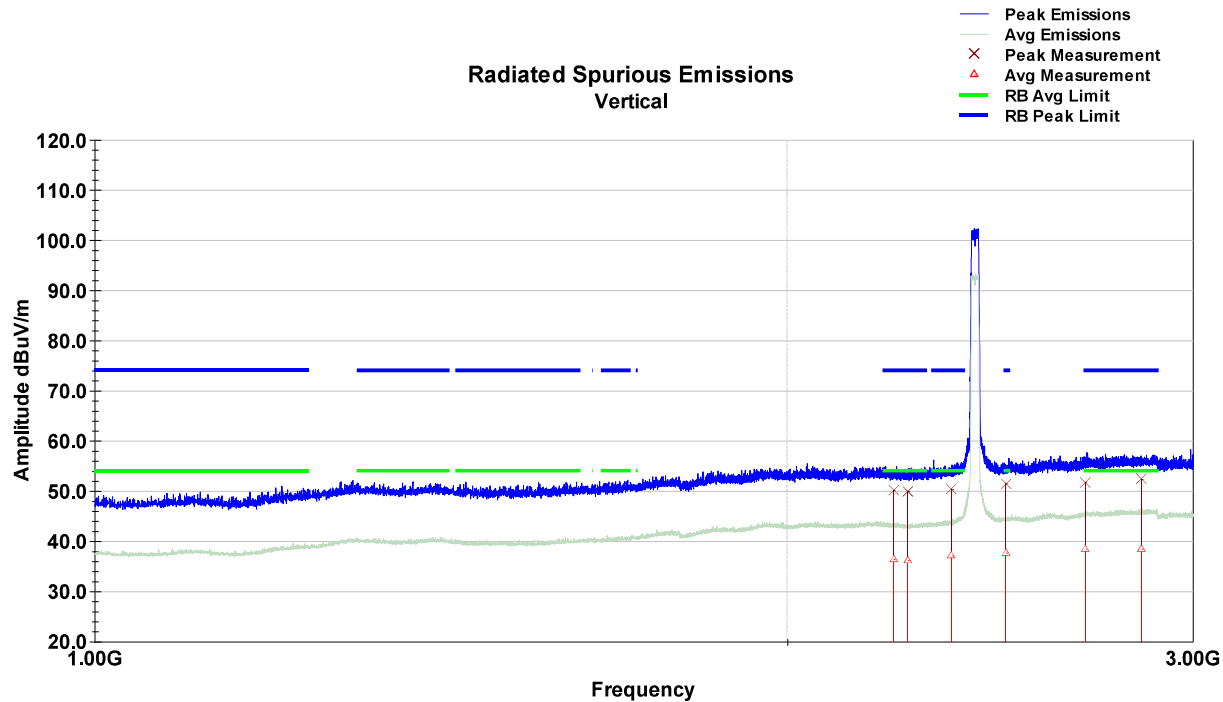
9kHz-30MHz

- This frequency range does not show any significant difference between different chains, channels and/or orientation. Worst Case plots shown on Channel 11.

30-1000MHz

- This frequency range does not show any significant difference between different chains, channels and/or orientation. Worst Case plots shown on Channel 6 and 11.

1-3GHz – Vertical – CH1 Z-axis



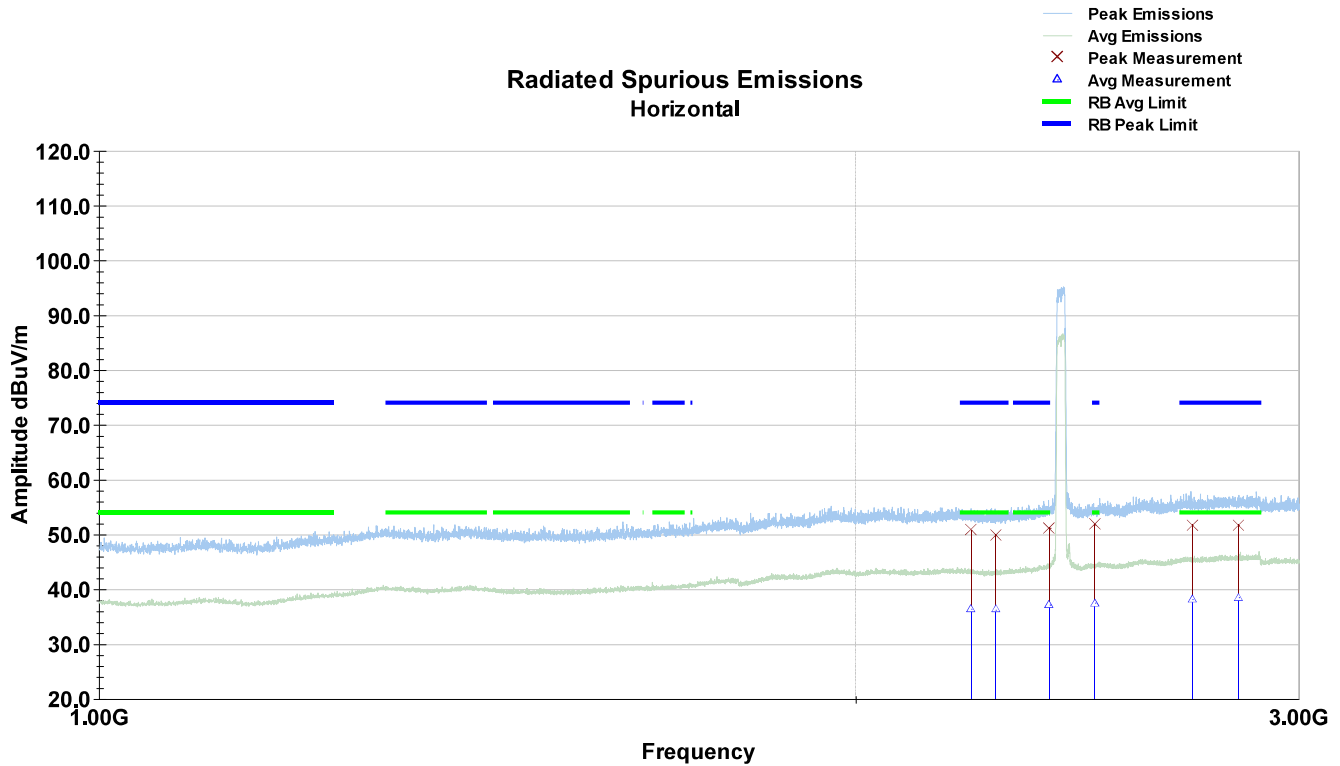
Peak

Frequency MHz	Raw Pk (dBuV)	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF (dB)	Amp (dB)	Final Pk (dBuV/m)	Limit (dBuV/m)	Margin (dB)
2224.00	41.5	V	-1.0	223.0	31.3	11.9	0.0	34.5	50.2	74.0	-23.8
2256.24	41.4	V	163.0	102.0	31.1	11.9	0.0	34.5	50.0	74.0	-24.0
2358.20	41.3	V	276.0	145.0	31.5	12.0	0.0	34.6	50.3	74.0	-23.7
2488.60	41.7	V	104.0	231.0	31.9	12.0	0.0	34.2	51.5	74.0	-22.5
2695.44	41.3	V	117.0	174.0	32.4	12.1	0.0	34.1	51.8	74.0	-22.2
2850.40	42.1	V	344.0	233.0	32.5	12.2	0.0	34.4	52.3	74.0	-21.7
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

Average

Frequency MHz	Raw Avg dBuV	Polarity V/H	Azimuth degrees	Height cm	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
2224.00	27.7	V	-1.0	223.0	31.3	11.9	0.0	34.5	36.5	54.0	-17.5
2256.24	27.7	V	163.0	102.0	31.1	11.9	0.0	34.5	36.2	54.0	-17.7
2358.20	28.1	V	276.0	145.0	31.5	12.0	0.0	34.6	37.1	54.0	-16.9
2488.60	28.0	V	104.0	231.0	31.9	12.0	0.0	34.2	37.7	54.0	-16.3
2695.44	27.9	V	117.0	174.0	32.4	12.1	0.0	34.1	38.3	54.0	-15.7
2850.40	28.2	V	344.0	233.0	32.5	12.2	0.0	34.4	38.4	54.0	-15.5
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											

1-3GHz – Horizontal – CH1 Z-axis



Peak

Frequency MHz	Raw Pk dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Final Pk dBuV/m	Limit dBuV/m	Margin dB
2223.00	42.1	H	216.0	217.0	31.3	11.9	0.0	34.5	50.8	74.0	-23.2
2273.00	41.2	H	216.0	173.0	31.1	12.0	0.0	34.4	49.9	74.0	-24.1
2388.00	41.8	H	118.0	222.0	31.8	12.0	0.0	34.3	51.3	74.0	-22.7
2490.00	42.1	H	359.0	159.0	31.9	12.0	0.0	34.2	51.8	74.0	-22.2
2722.00	41.4	H	132.0	100.0	32.4	12.1	0.0	34.2	51.7	74.0	-22.3
2840.00	41.4	H	34.0	172.0	32.5	12.2	0.0	34.3	51.7	74.0	-22.3
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

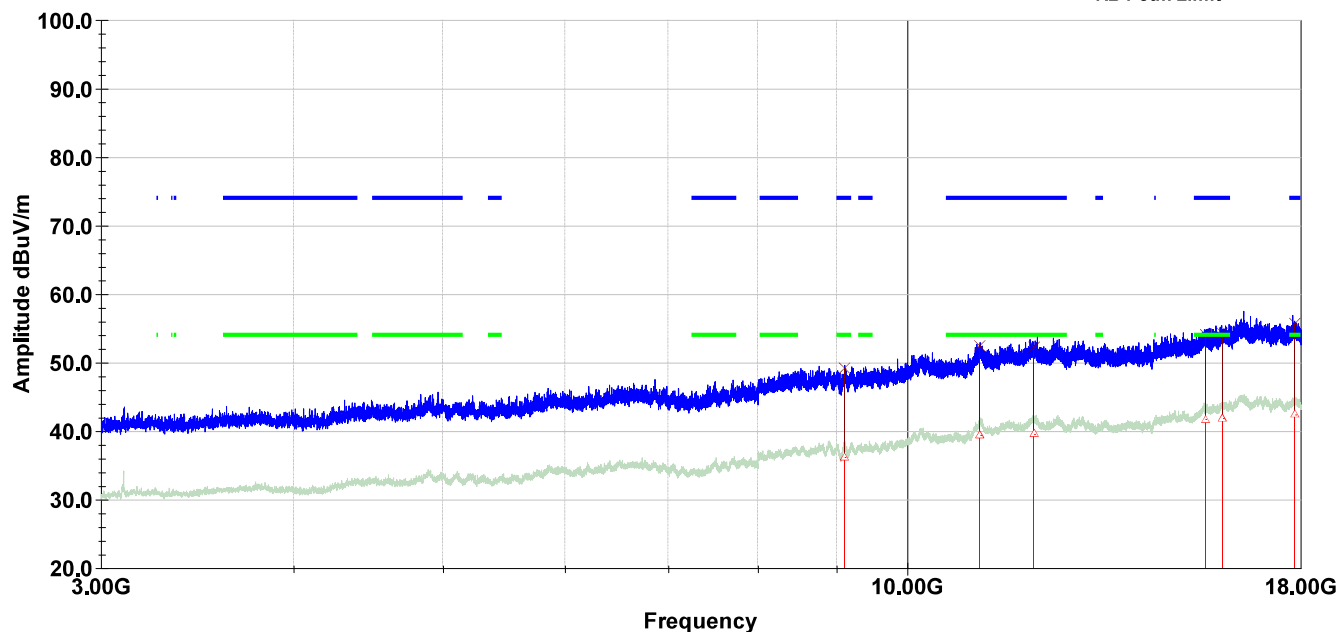
Average

Frequency MHz	Raw Avg dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Avg Value dBuV/m	Limit dBuV/m	Margin (dB)
2223.00	27.7	H	216.0	217.0	31.3	11.9	0.0	34.5	36.5	54.0	-17.5
2273.00	27.6	H	216.0	173.0	31.1	12.0	0.0	34.4	36.3	54.0	-17.7
2388.00	27.7	H	118.0	222.0	31.8	12.0	0.0	34.3	37.2	54.0	-16.8
2490.00	27.8	H	359.0	159.0	31.9	12.0	0.0	34.2	37.6	54.0	-16.4
2722.00	27.9	H	132.0	100.0	32.4	12.1	0.0	34.2	38.2	54.0	-15.8
2840.00	28.2	H	34.0	172.0	32.5	12.2	0.0	34.3	38.5	54.0	-15.5
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											

3-18GHz – Vertical – CH1 Z-axis

Radiated Spurious Emissions
Vertical

- Peak Emissions
- Avg Emissions
- × Peak Measurement
- △ Avg Measurement
- RB Avg Limit
- RB Peak Limit



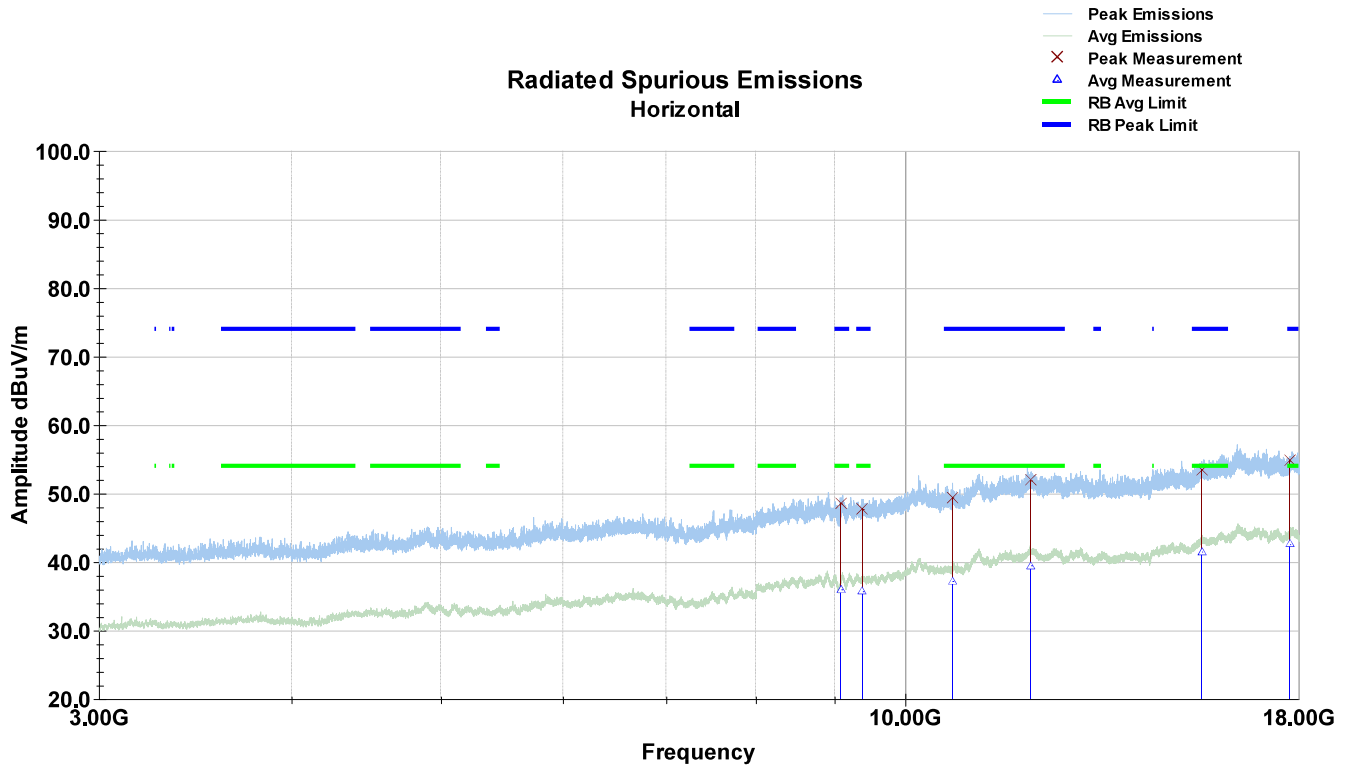
Peak

Frequency MHz	Raw Pk (dBuV)	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF (dB)	Amp (dB)	Final Pk (dBuV/m)	Limit (dBuV/m)	Margin (dB)
9108.60	43.3	V	360.0	150.0	36.4	3.6	0.0	34.2	49.2	74.0	-24.8
11152.80	44.5	V	189.0	208.0	38.6	4.3	0.0	35.0	52.4	74.0	-21.6
12086.20	44.6	V	287.0	122.0	39.2	4.4	0.0	35.9	52.3	74.0	-21.7
15608.24	44.7	V	74.0	177.0	40.6	4.9	0.0	36.3	54.0	74.0	-20.0
16020.16	44.2	V	303.0	175.0	40.9	5.1	0.0	35.9	54.3	74.0	-19.7
17853.40	45.9	V	27.0	168.0	41.0	5.5	0.0	36.7	55.6	74.0	-18.4
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

Average

Frequency MHz	Raw Avg dBuV	Polarity V/H	Azimuth degrees	Height cm	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
9108.60	30.4	V	360.0	150.0	36.4	3.6	0.0	34.2	36.2	54.0	-17.8
11152.80	31.5	V	189.0	208.0	38.6	4.3	0.0	35.0	39.4	54.0	-14.6
12086.20	31.9	V	287.0	122.0	39.2	4.4	0.0	35.9	39.6	54.0	-14.4
15608.24	32.5	V	74.0	177.0	40.6	4.9	0.0	36.3	41.8	54.0	-12.2
16020.16	31.8	V	303.0	175.0	40.9	5.1	0.0	35.9	41.9	54.0	-12.0
17853.40	32.7	V	27.0	168.0	41.0	5.5	0.0	36.7	42.4	54.0	-11.6
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											

3-18GHz – Horizontal – CH1 Z-axis



Frequency MHz	Raw Pk dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Final Pk dBuV/m	Limit dBuV/m	Margin dB
9090.00	42.9	H	362.0	193.0	36.4	3.5	0.0	34.2	48.6	74.0	-25.4
9387.00	42.4	H	32.0	234.0	36.6	3.7	0.0	35.0	47.8	74.0	-26.2
10730.00	42.6	H	82.0	167.0	38.3	4.0	0.0	35.5	49.5	74.0	-24.5
12070.00	44.2	H	82.0	150.0	39.2	4.4	0.0	35.9	51.9	74.0	-22.1
15580.00	44.3	H	82.0	225.0	40.6	4.9	0.0	36.2	53.5	74.0	-20.5
17770.00	45.1	H	339.0	216.0	41.0	5.4	0.0	36.7	54.8	74.0	-19.2
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

Average

Frequency MHz	Raw Avg dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Avg Value dBuV/m	Limit (dBuV/m)	Margin (dB)
9090.00	30.3	H	362.0	193.0	36.4	3.5	0.0	34.2	36.0	54.0	-18.0
9387.00	30.4	H	32.0	234.0	36.6	3.7	0.0	35.0	35.8	54.0	-18.2
10730.00	30.4	H	82.0	167.0	38.3	4.0	0.0	35.5	37.3	54.0	-16.7
12070.00	31.8	H	82.0	150.0	39.2	4.4	0.0	35.9	39.5	54.0	-14.5
15580.00	32.3	H	82.0	225.0	40.6	4.9	0.0	36.2	41.5	54.0	-12.4
17770.00	32.9	H	339.0	216.0	41.0	5.4	0.0	36.7	42.6	54.0	-11.4
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											

18-26 GHz

- This frequency range does not show any significant difference between different EUT orientations, channels, or chains. Worst Case plots shown on CH 6.

7.5.5 WLAN 802.11n – MCS4 – OFDM - Antenna 1 - Channel 6

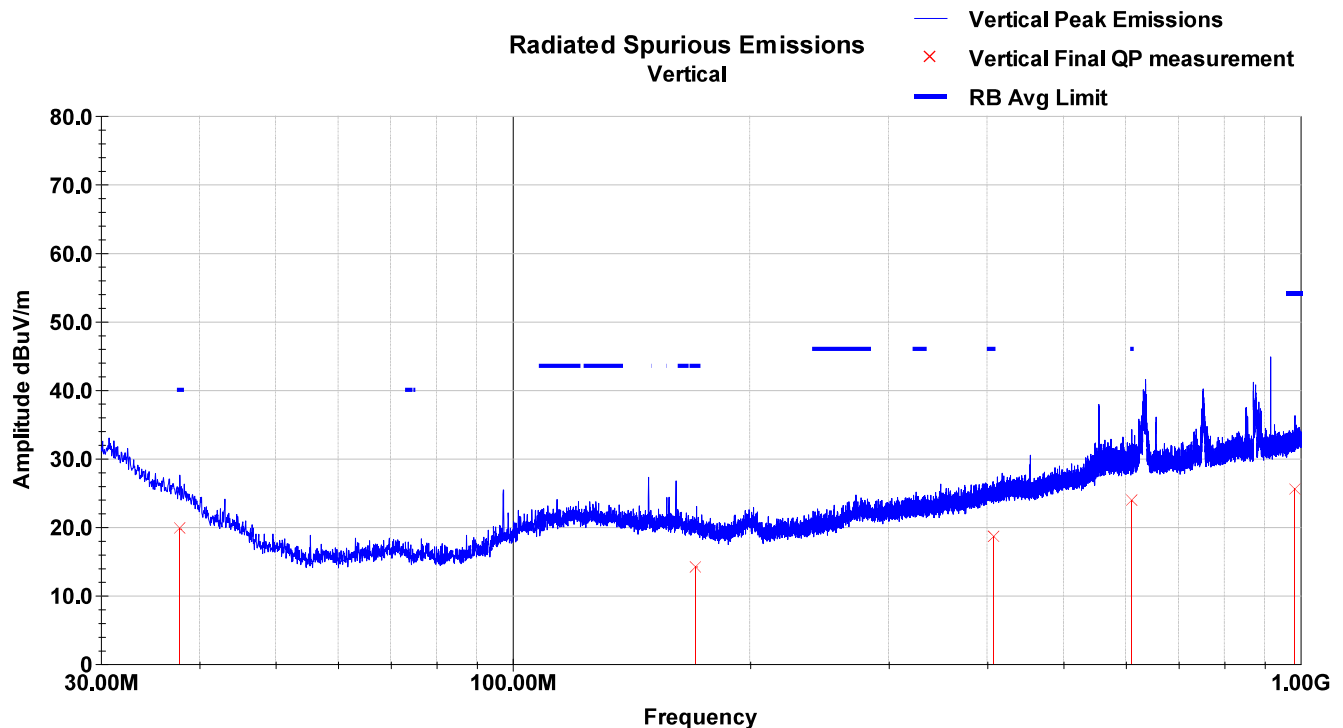
9kHz-30MHz

- This frequency range does not show any significant difference between different chains, channels and/or orientation. Worst Case plots shown on Channel 11.

30-1000MHz

- This frequency range does not show any significant difference between different chains, channels and/or orientation.

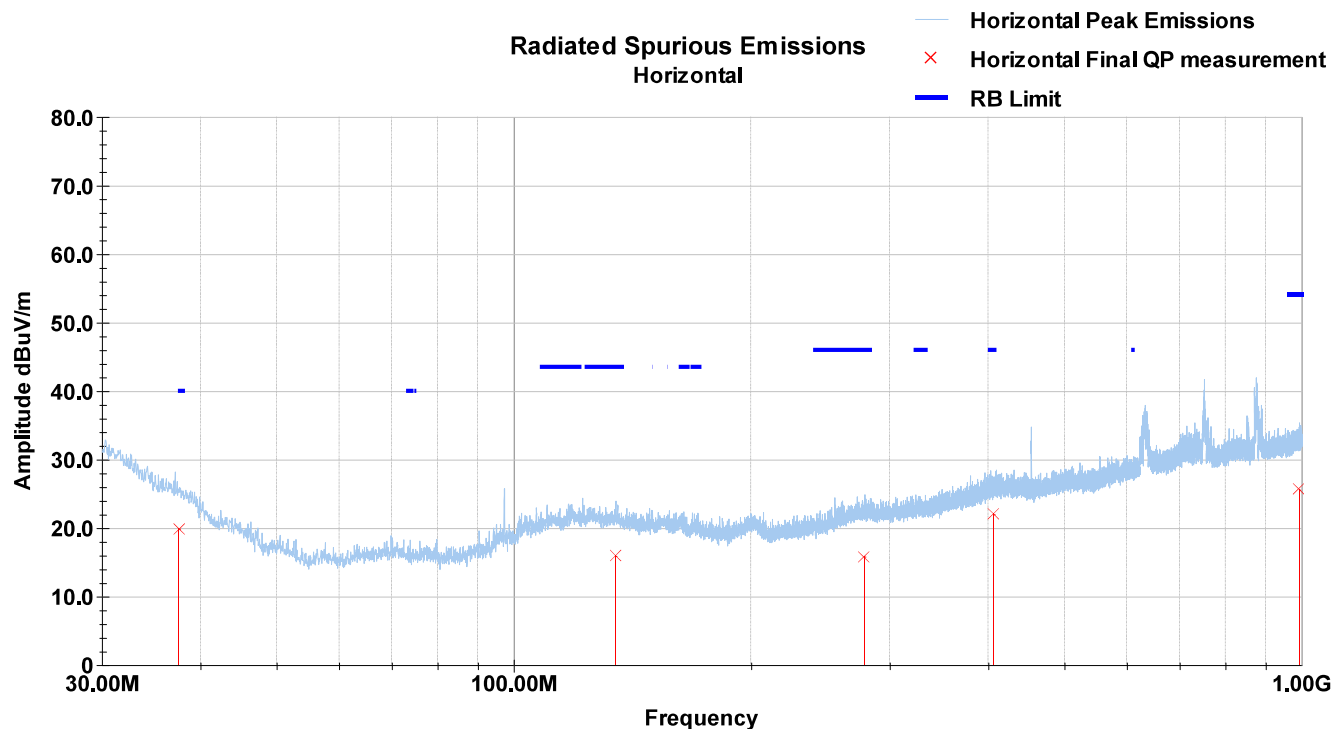
30-1000MHz – Vertical – CH6 X-axis



Quasi Peak

Frequency MHz	Raw QP (dBuV)	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	Amp (dB)	QP Value (dBuV/m)	Limit (dBuV/m)	Margin (dB)
37.82	30.0	V	196.0	125.0	20.0	0.3	30.7	19.8	40.0	-20.2
170.78	27.6	V	306.0	220.0	16.2	0.8	30.4	14.2	43.5	-29.3
407.42	26.3	V	61.0	143.0	20.5	1.7	30.0	18.6	46.0	-27.4
609.58	27.7	V	98.0	100.0	23.9	1.9	29.7	23.9	46.0	-22.2
981.73	24.3	V	352.0	266.0	27.8	2.2	28.7	25.6	54.0	-28.4
QP Value = Raw QP + AF + Loss - Amp										
Margin = QP Value - Limit										

30-1000MHz – Horizontal – CH6 X-axis

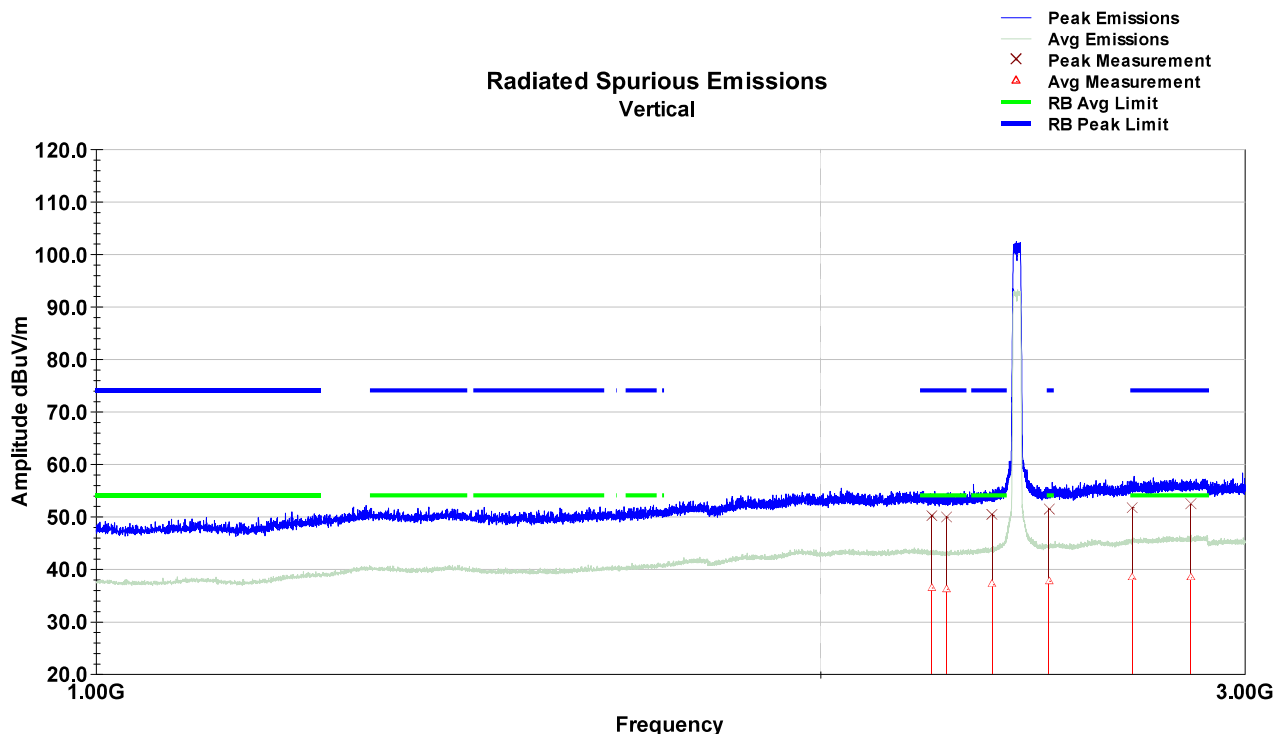


Quasi Peak

Frequency MHz	Raw QP (dBuV)	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	Amp (dB)	QP Value (dBuV/m)	Limit (dBuV/m)	Margin (dB)
37.58	30.0	H	168.0	399.0	20.2	0.3	30.6	19.9	40.0	-20.1
134.60	28.2	H	41.0	338.0	17.6	0.7	30.6	16.0	43.5	-27.6
278.51	26.8	H	354.0	398.0	17.9	1.3	30.2	15.8	46.0	-30.2
406.50	29.7	H	83.0	100.0	20.5	1.7	30.0	22.0	46.0	-24.0
993.00	24.2	H	18.0	250.0	27.9	2.2	28.7	25.6	54.0	-28.4
QP Value = Raw QP + AF + Loss - Amp										
Margin = QP Value - Limit										

1-3GHz – Vertical– X-axis

Radiated Spurious Emissions Vertical



Frequency

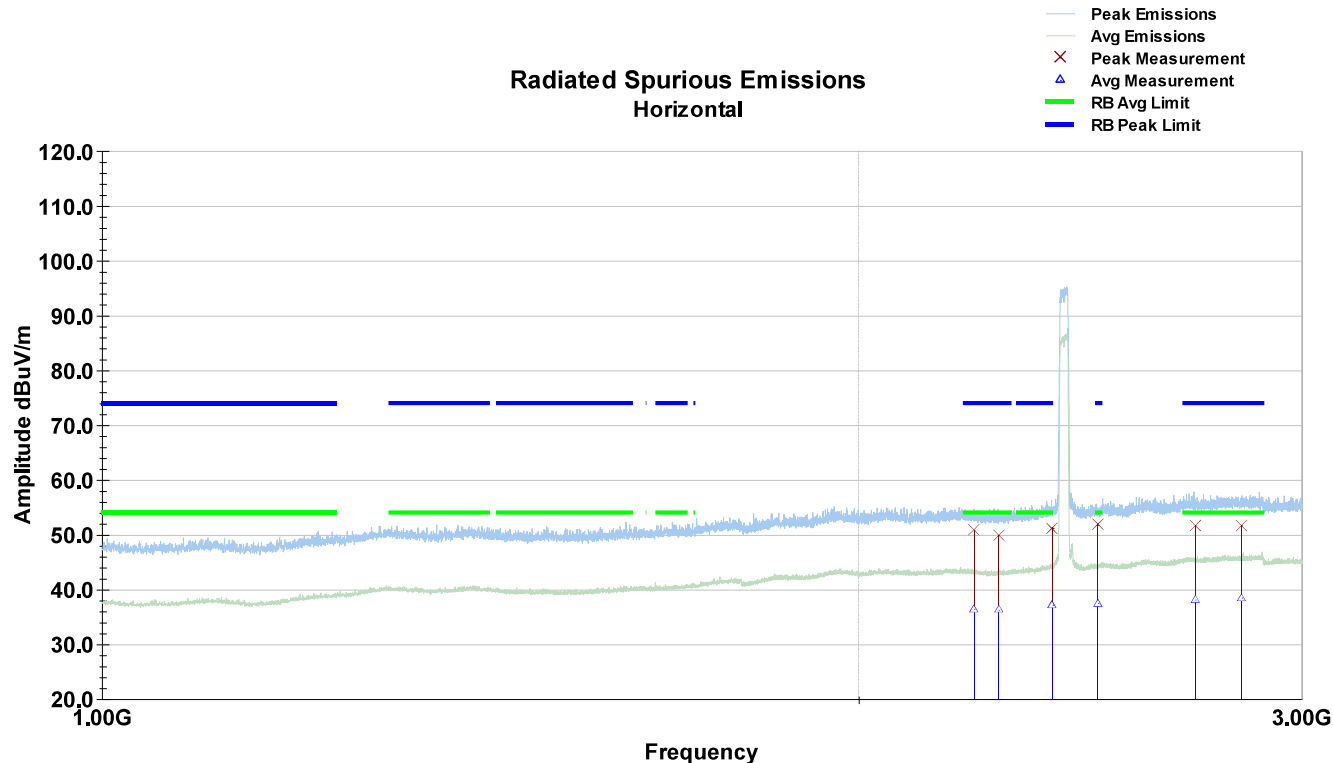
Peak

Frequency MHz	Raw Pk (dBuV)	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF (dB)	Amp (dB)	Final Pk (dBuV/m)	Limit (dBuV/m)	Margin (dB)
2241.48	41.6	V	40.0	235.0	31.2	11.9	0.0	34.5	50.2	74.0	-23.8
2275.96	41.3	V	219.0	117.0	31.1	12.0	0.0	34.4	50.0	74.0	-24.0
2351.44	42.2	V	177.0	186.0	31.5	12.0	0.0	34.6	51.1	74.0	-22.9
2495.84	41.5	V	323.0	130.0	31.9	12.0	0.0	34.1	51.3	74.0	-22.7
2770.20	41.5	V	32.0	219.0	32.5	12.2	0.0	34.3	51.7	74.0	-22.3
2840.76	42.5	V	162.0	195.0	32.5	12.2	0.0	34.3	52.8	74.0	-21.2
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

Average

Frequency MHz	Raw Avg dBuV	Polarity V/H	Azimuth degrees	Height cm	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
2241.48	27.7	V	40.0	235.0	31.2	11.9	0.0	34.5	36.3	54.0	-17.7
2275.96	27.7	V	219.0	117.0	31.1	12.0	0.0	34.4	36.3	54.0	-17.6
2351.44	27.8	V	177.0	186.0	31.5	12.0	0.0	34.6	36.6	54.0	-17.3
2495.84	27.9	V	323.0	130.0	31.9	12.0	0.0	34.1	37.7	54.0	-16.2
2770.20	27.9	V	32.0	219.0	32.5	12.2	0.0	34.3	38.2	54.0	-15.8
2840.76	28.2	V	162.0	195.0	32.5	12.2	0.0	34.3	38.5	54.0	-15.5
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											

1-3GHz – Horizontal – CH6 X-axis



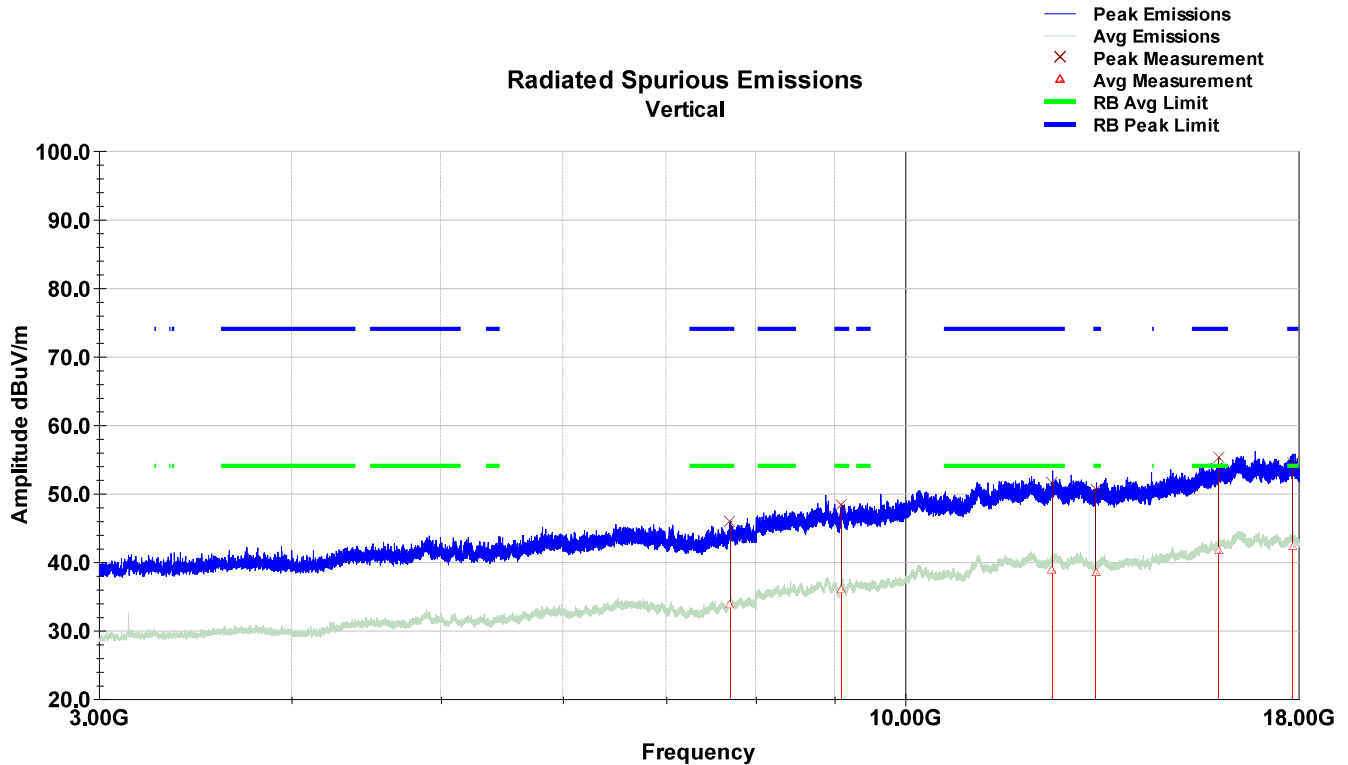
Peak

Frequency MHz	Raw Pk dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Final Pk dBuV/m	Limit dBuV/m	Margin dB
2240.00	41.2	H	244.0	170.0	31.2	11.9	0.0	34.5	49.9	74.0	-24.1
2316.00	41.4	H	346.0	175.0	31.3	12.0	0.0	34.4	50.2	74.0	-23.8
2386.00	41.2	H	30.0	213.0	31.8	12.0	0.0	34.3	50.6	74.0	-23.4
2491.00	41.7	H	168.0	193.0	31.9	12.0	0.0	34.2	51.4	74.0	-22.6
2777.00	41.6	H	266.0	170.0	32.5	12.1	0.0	34.3	51.9	74.0	-22.1
2854.00	41.7	H	157.0	245.0	32.4	12.2	0.0	34.4	51.9	74.0	-22.1
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

Average

Frequency MHz	Raw Avg dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Avg Value dBuV/m	Limit (dBuV/m)	Margin (dB)
2240.00	27.7	H	244.0	170.0	31.2	11.9	0.0	34.5	36.4	54.0	-17.6
2316.00	27.7	H	346.0	175.0	31.3	12.0	0.0	34.4	36.5	54.0	-17.5
2386.00	27.7	H	30.0	213.0	31.8	12.0	0.0	34.3	37.1	54.0	-16.8
2491.00	27.9	H	168.0	193.0	31.9	12.0	0.0	34.2	37.7	54.0	-16.3
2777.00	27.9	H	266.0	170.0	32.5	12.1	0.0	34.3	38.2	54.0	-15.8
2854.00	28.2	H	157.0	245.0	32.4	12.2	0.0	34.4	38.4	54.0	-15.5
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											

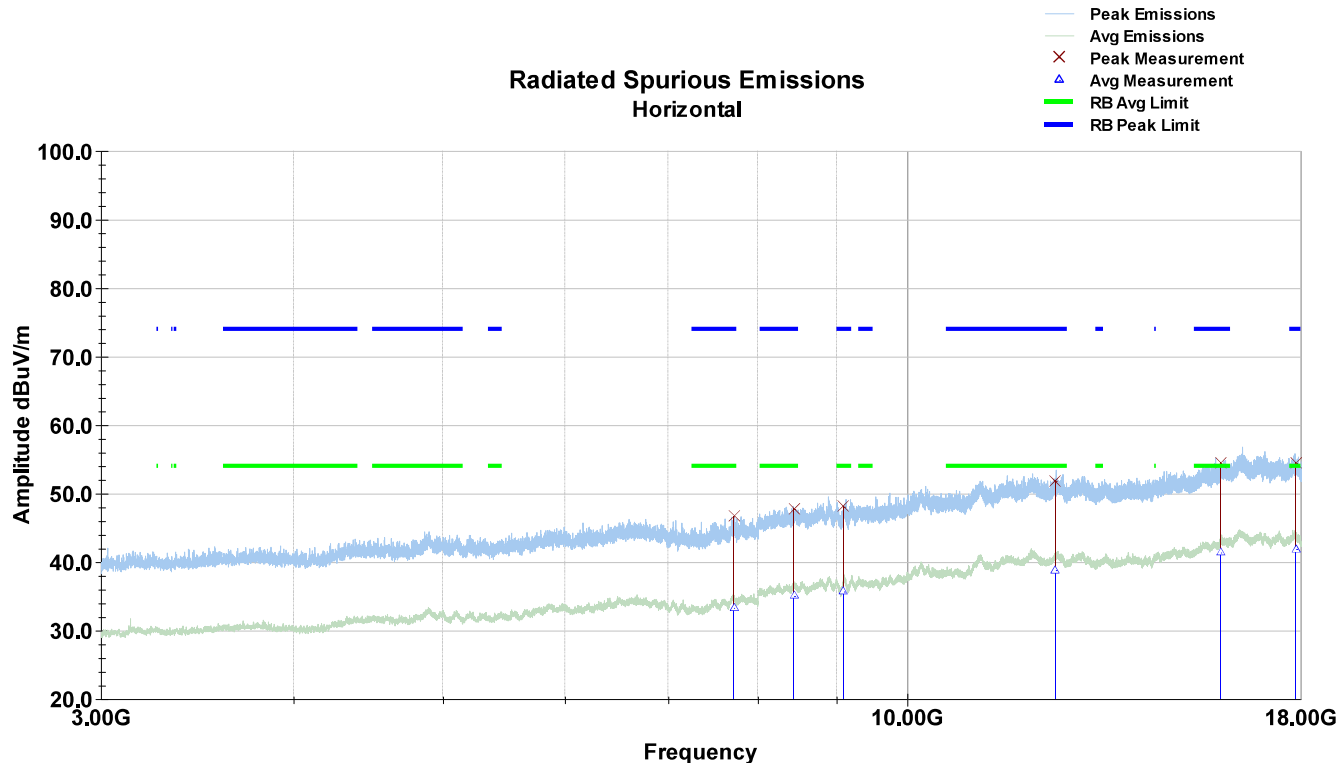
3-18GHz – Vertical – CH6 X-axis



Frequency MHz	Raw Pk (dBuV)	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF (dB)	Amp (dB)	Final Pk (dBuV/m)	Limit (dBuV/m)	Margin (dB)
7704.00	41.0	V	62.0	212.0	35.9	3.4	0.0	34.3	46.0	74.0	-28.0
9099.22	42.3	V	18.0	237.0	36.4	3.5	0.0	33.9	48.4	74.0	-25.6
12457.58	43.7	V	210.0	242.0	39.2	4.5	0.0	35.7	51.6	74.0	-22.4
13300.86	42.8	V	175.0	235.0	39.2	4.5	0.0	36.0	50.6	74.0	-23.4
15979.02	45.1	V	67.0	175.0	40.9	5.1	0.0	35.9	55.2	74.0	-18.8
17847.68	44.6	V	313.0	176.0	41.0	5.5	0.0	36.7	54.4	74.0	-19.6
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

Frequency MHz	Raw Avg dBuV	Polarity V/H	Azimuth degrees	Height cm	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
7704.00	28.9	V	62.0	212.0	35.9	3.4	0.0	34.3	33.8	54.0	-20.1
9099.22	29.9	V	18.0	237.0	36.4	3.5	0.0	33.9	36.0	54.0	-18.0
12457.58	31.0	V	210.0	242.0	39.2	4.5	0.0	35.7	38.9	54.0	-15.1
13300.86	30.6	V	175.0	235.0	39.2	4.5	0.0	36.0	38.4	54.0	-15.6
15979.02	31.5	V	67.0	175.0	40.9	5.1	0.0	35.9	41.6	54.0	-12.4
17847.68	32.5	V	313.0	176.0	41.0	5.5	0.0	36.7	42.3	54.0	-11.7
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											

3-18GHz – Horizontal – CH6 X-axis



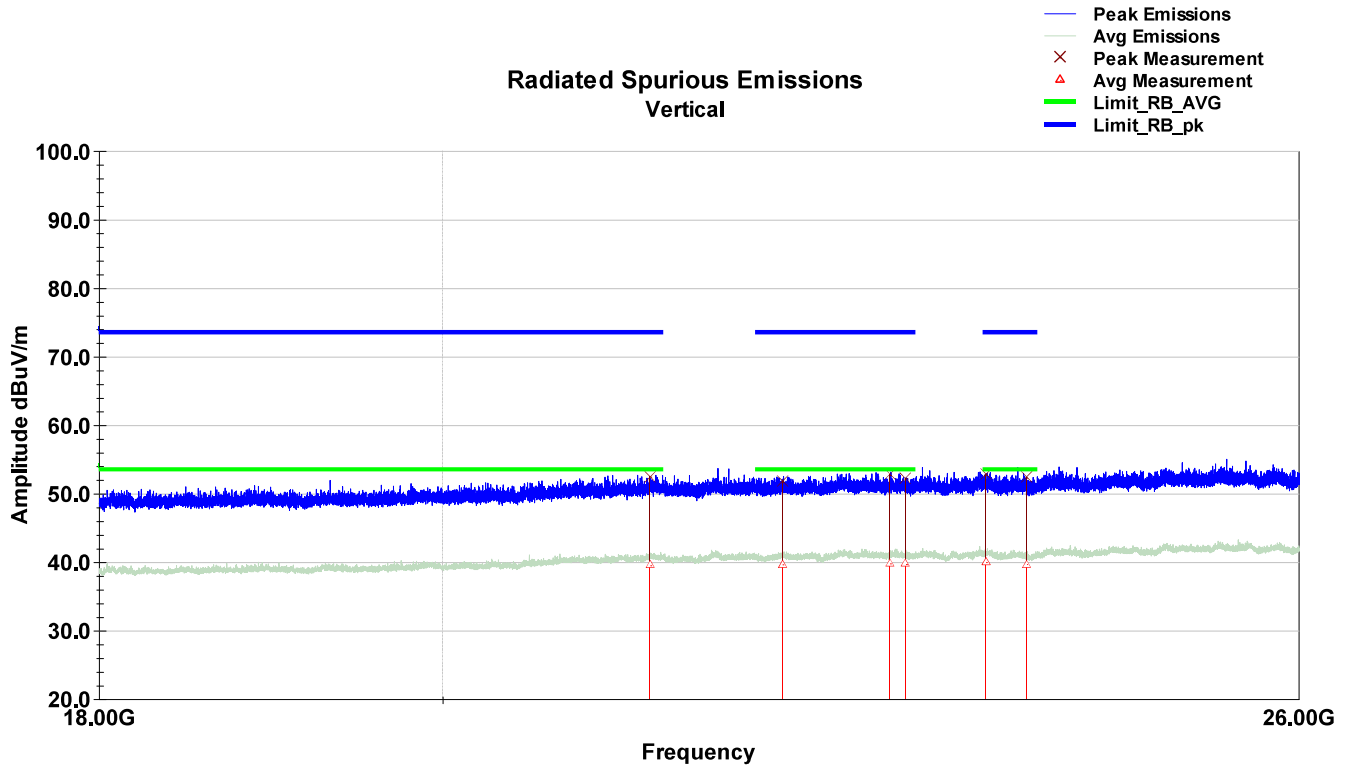
Peak

Frequency MHz	Raw Pk dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Final Pk dBuV/m	Limit dBuV/m	Margin dB
7722.00	42.0	H	50.0	232.0	35.9	3.3	0.0	34.6	46.7	74.0	-27.3
8445.50	42.4	H	356.0	188.0	35.9	3.7	0.0	34.3	47.7	74.0	-26.3
9098.50	42.1	H	78.0	243.0	36.4	3.5	0.0	33.9	48.1	74.0	-25.9
12485.00	43.9	H	356.0	231.0	39.2	4.4	0.0	35.6	51.9	74.0	-22.1
15980.50	44.4	H	287.0	219.0	40.9	5.1	0.0	35.9	54.5	74.0	-19.5
17874.00	44.8	H	358.0	210.0	41.0	5.4	0.0	36.8	54.5	74.0	-19.5
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

Average

Frequency MHz	Raw Avg dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Avg Value dBuV/m	Limit (dBuV/m)	Margin (dB)
7722.00	28.6	H	50.0	232.0	35.9	3.3	0.0	34.6	33.3	54.0	-20.6
8445.50	29.7	H	356.0	188.0	35.9	3.7	0.0	34.3	35.1	54.0	-18.9
9098.50	29.7	H	78.0	243.0	36.4	3.5	0.0	33.9	35.7	54.0	-18.3
12485.00	30.9	H	356.0	231.0	39.2	4.4	0.0	35.6	38.9	54.0	-15.1
15980.50	31.3	H	287.0	219.0	40.9	5.1	0.0	35.9	41.4	54.0	-12.6
17874.00	32.3	H	358.0	210.0	41.0	5.4	0.0	36.8	41.9	54.0	-12.0
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											

18-26GHz – Vertical – CH6 X-axis

Radiated Spurious Emissions
Vertical


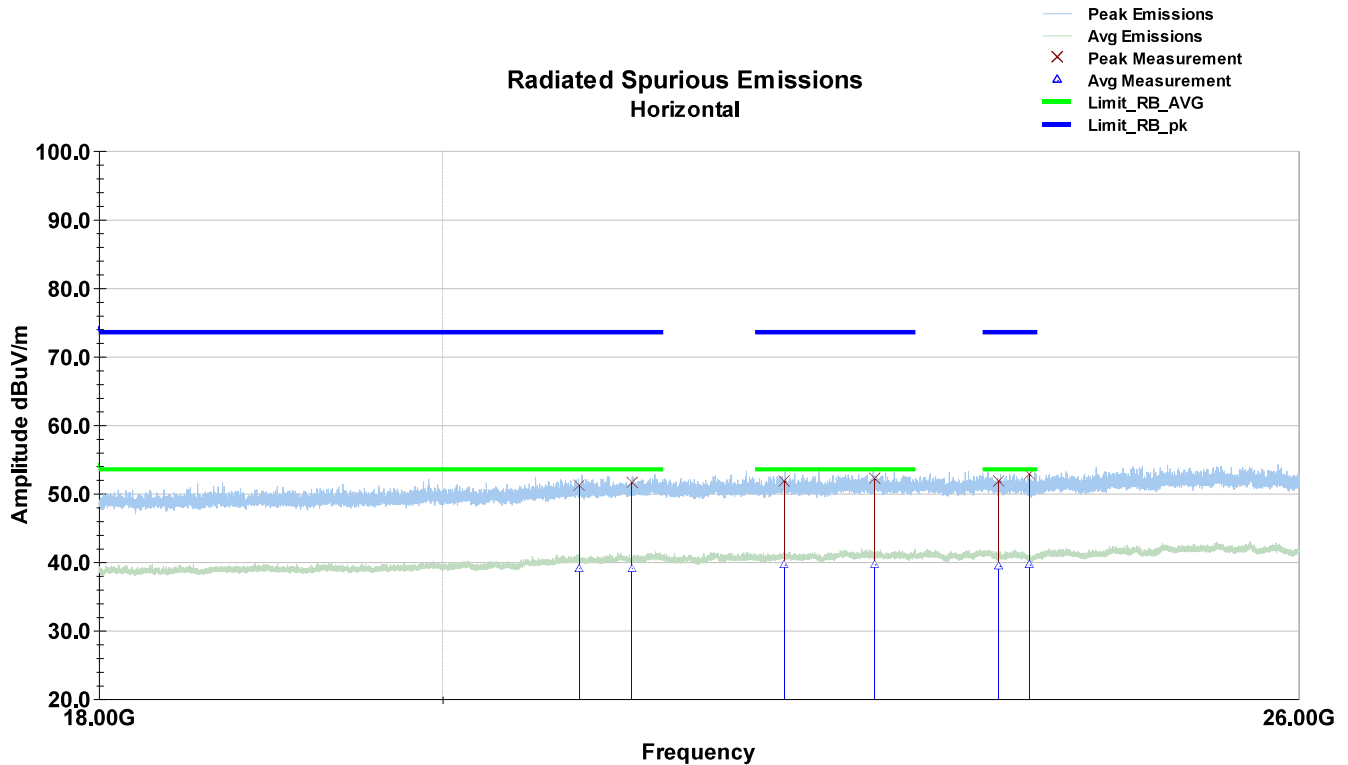
Peak

Frequency MHz	Raw Pk (dBuV)	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF (dB)	Amp (dB)	Final Pk (dBuV/m)	Limit (dBuV/m)	Margin (dB)
21312.56	56.6	V	162.0	237.0	45.6	9.7	-9.5	49.9	52.5	74.0	-21.5
22194.12	55.8	V	15.0	212.0	45.6	9.9	-9.5	50.1	51.8	74.0	-22.2
22937.64	56.4	V	270.0	117.0	45.8	10.2	-9.5	50.2	52.7	74.0	-21.3
23050.88	56.0	V	60.0	245.0	45.7	10.2	-9.5	50.2	52.2	74.0	-21.8
23622.80	56.2	V	227.0	209.0	45.5	10.5	-9.5	50.0	52.8	74.0	-21.2
23922.56	55.9	V	292.0	221.0	45.7	10.3	-9.5	50.1	52.3	74.0	-21.7
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

Average

Frequency MHz	Raw Avg dBuV	Polarity V/H	Azimuth degrees	Height cm	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
21312.56	43.6	V	162.0	237.0	45.6	9.7	-9.5	49.9	39.5	54.0	-14.5
22194.12	43.7	V	15.0	212.0	45.6	9.9	-9.5	50.1	39.7	54.0	-14.3
22937.64	43.5	V	270.0	117.0	45.8	10.2	-9.5	50.2	39.8	54.0	-14.2
23050.88	43.5	V	60.0	245.0	45.7	10.2	-9.5	50.2	39.7	54.0	-14.3
23622.80	43.5	V	227.0	209.0	45.5	10.5	-9.5	50.0	40.0	54.0	-14.0
23922.56	43.3	V	292.0	221.0	45.7	10.3	-9.5	50.1	39.7	54.0	-14.3
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											

18-26GHz – Horizontal – CH6 X-axis



Peak

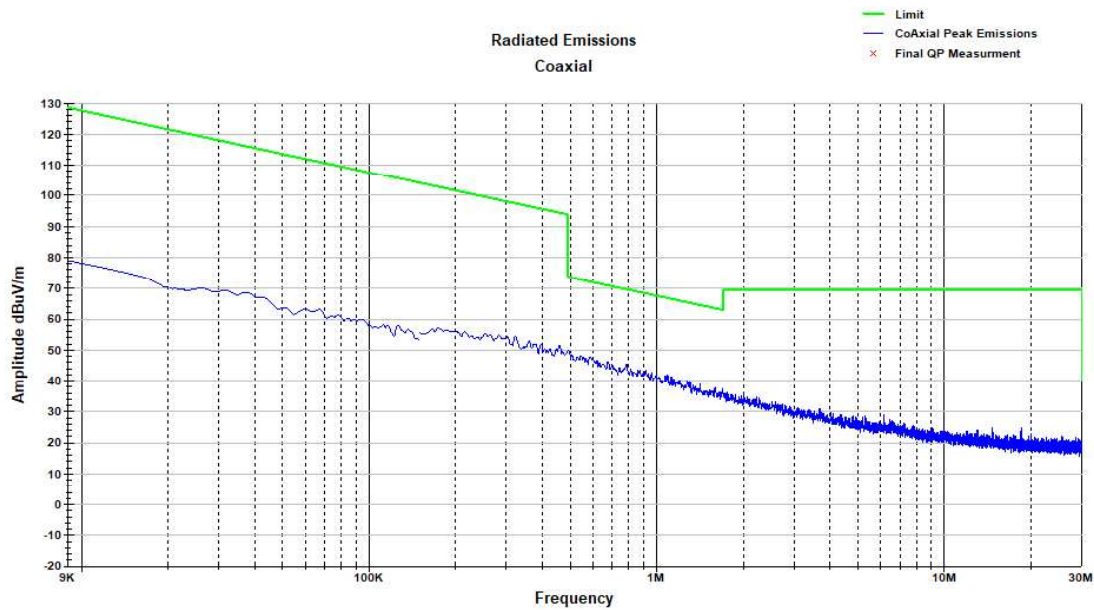
Frequency MHz	Raw Pk dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Final Pk dBuV/m	Limit dBuV/m	Margin dB
20855.00	55.4	H	199.0	134.0	45.4	9.8	-9.5	49.9	51.1	74.0	-22.9
21193.00	55.7	H	186.0	213.0	45.6	9.7	-9.5	49.9	51.6	74.0	-22.4
22210.00	55.9	H	89.0	191.0	45.6	9.9	-9.5	50.1	51.8	74.0	-22.2
22830.00	55.8	H	289.0	237.0	45.8	10.2	-9.5	50.2	52.1	74.0	-21.9
23720.00	55.5	H	228.0	223.0	45.5	10.4	-9.5	50.1	51.8	74.0	-22.2
23940.00	56.4	H	289.0	175.0	45.7	10.3	-9.5	50.1	52.8	74.0	-21.2
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

Average

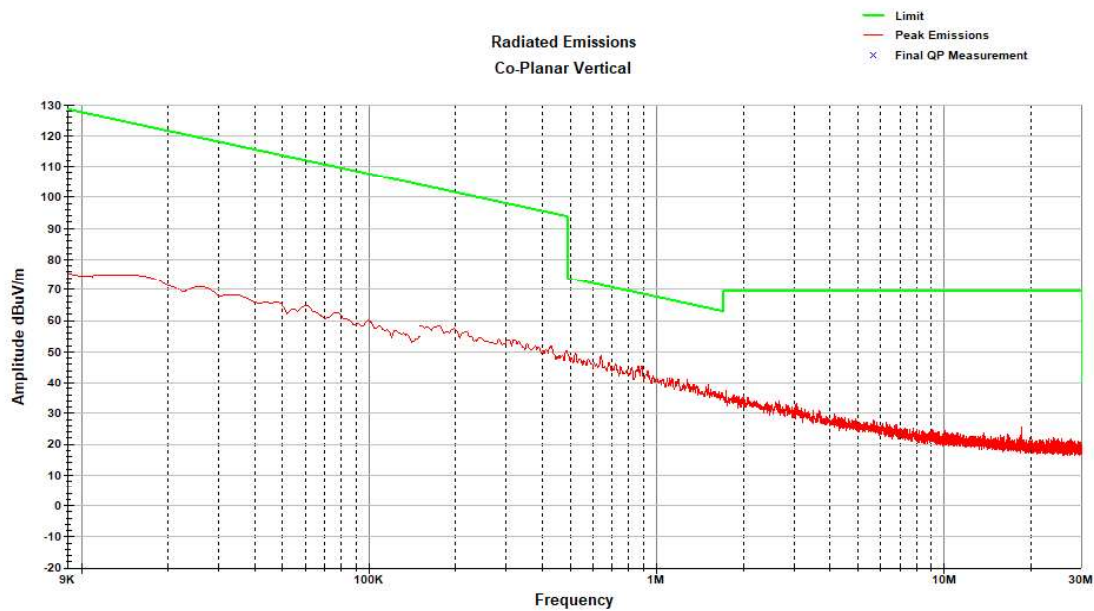
Frequency MHz	Raw Avg dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Avg Value dBuV/m	Limit (dBuV/m)	Margin (dB)
20855.00	43.4	H	199.0	134.0	45.4	9.8	-9.5	49.9	39.1	54.0	-14.9
21193.00	43.2	H	186.0	213.0	45.6	9.7	-9.5	49.9	39.1	54.0	-14.9
22210.00	43.7	H	89.0	191.0	45.6	9.9	-9.5	50.1	39.6	54.0	-14.4
22830.00	43.3	H	289.0	237.0	45.8	10.2	-9.5	50.2	39.7	54.0	-14.3
23720.00	43.2	H	228.0	223.0	45.5	10.4	-9.5	50.1	39.4	54.0	-14.6
23940.00	43.2	H	289.0	175.0	45.7	10.3	-9.5	50.1	39.6	54.0	-14.4
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											

7.5.6 WLAN 802.11n – MCS4 – OFDM - Antenna 1 - Channel 11

9kHz-30MHz – Coaxial – Z-axis



9kHz-30MHz – Co-planar Vertical – Z-axis



9kHz-30MHz – Co-planar Horizontal – Z-axis

