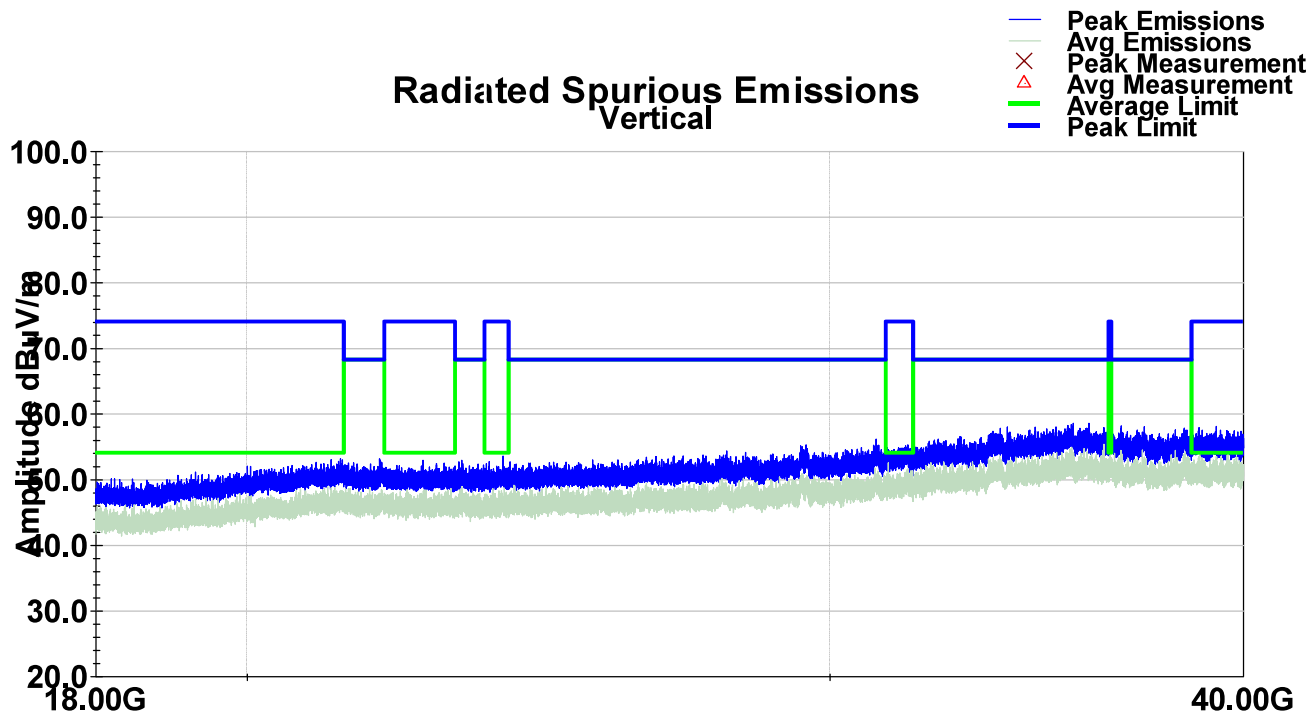


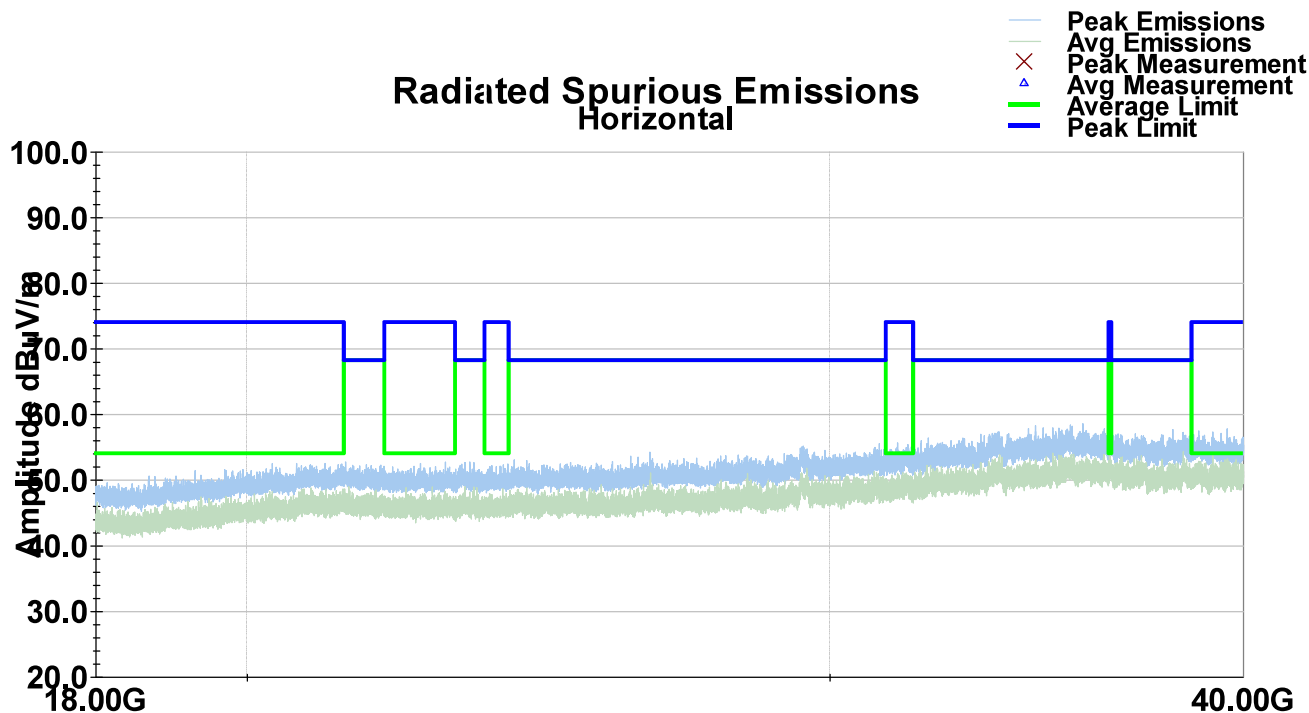
18-40 GHz

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

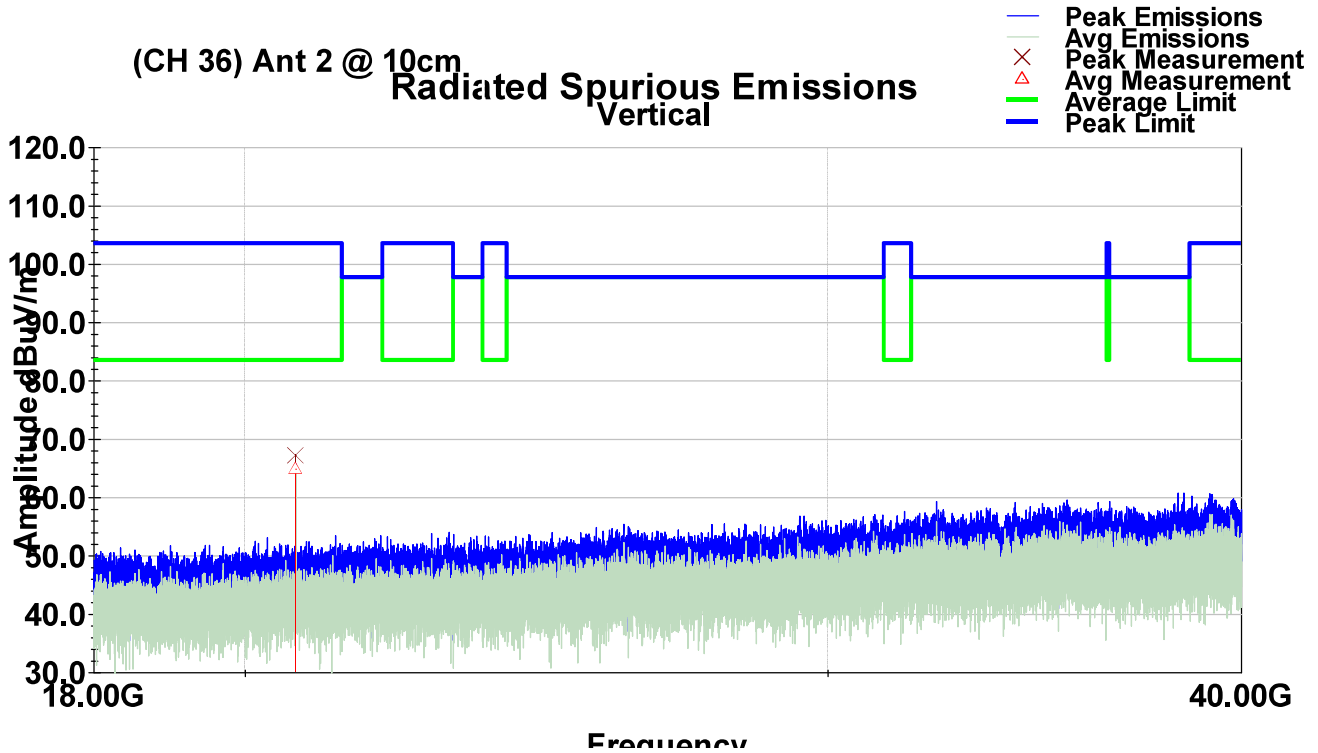
18-40GHz – Vertical – CH36 X-axis



18-40GHz – Horizontal – CH36 X-axis

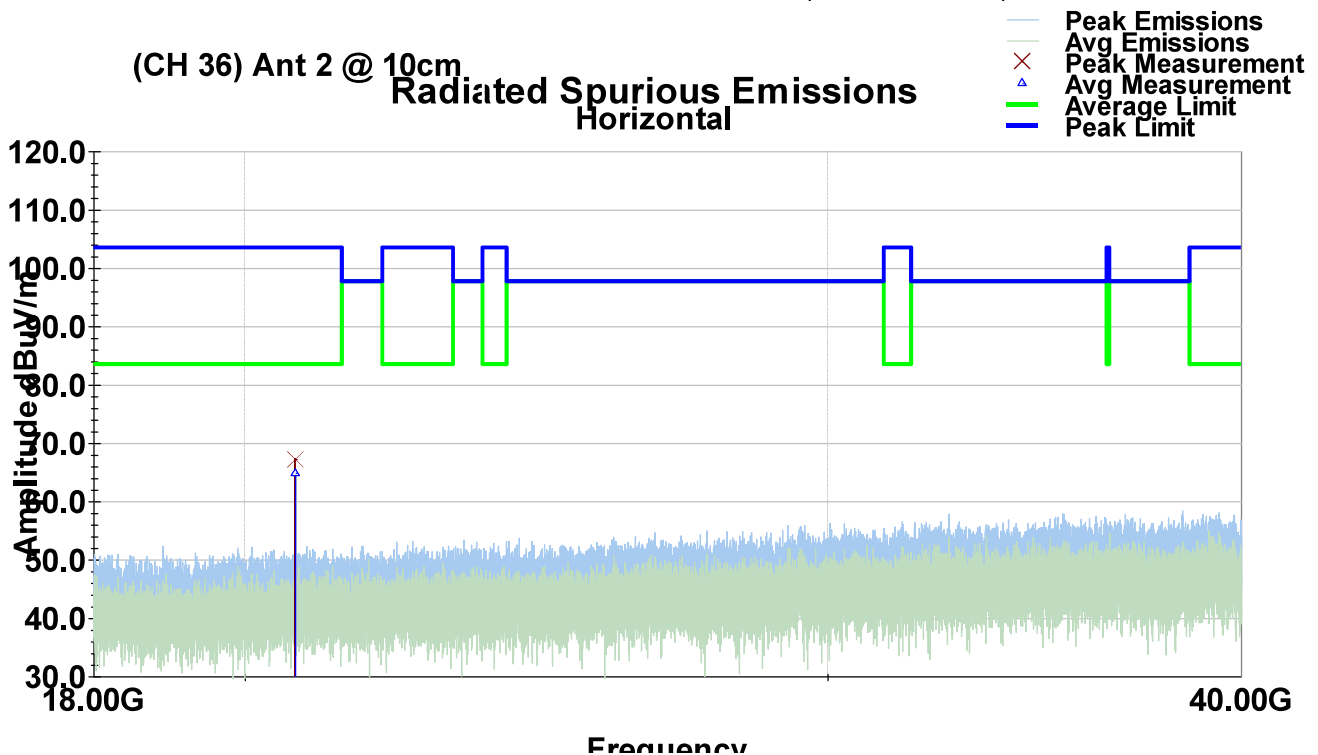


18-40GHz – Vertical – CH36 X-axis (10cm distance)



Note: To verify compliance, measurements were performed at a 10cm distance.

18-40GHz – Horizontal – CH36 X-axis (10cm distance)



6.11.5 **WLAN 802.11ac – MCS7 – OFDM - Antenna 1 - Channel 100**

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. Unintentional emissions are not a part of this evaluation. Worst case plots shown on channel 36.

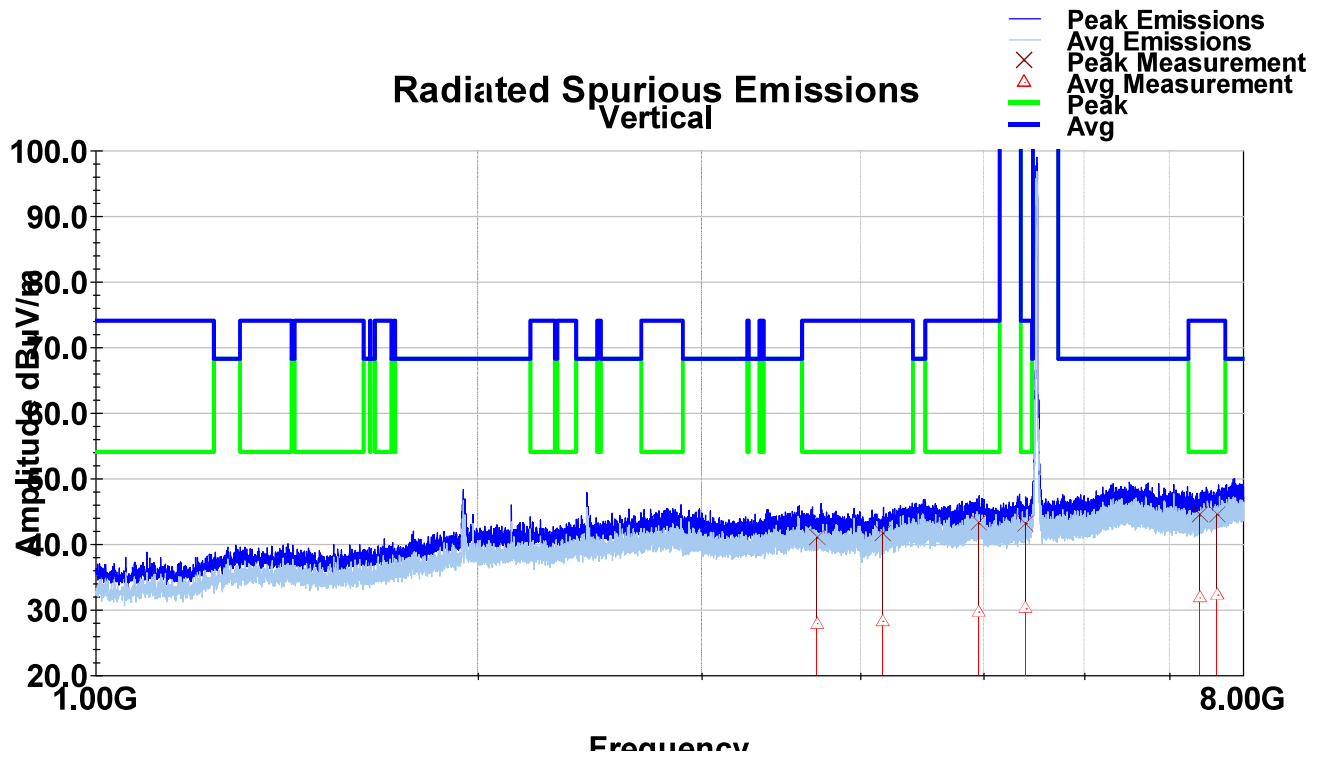
30-1000MHz

- This frequency range does not show any significant difference between different chains, channels and/or orientation. No unwanted emissions within 20db of the limit. Unintentional emissions are not a part of this evaluation. Worst case plots shown on Channel 36.

1-8 GHz

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

1-8GHz – Vertical – CH100 X-axis



Peak

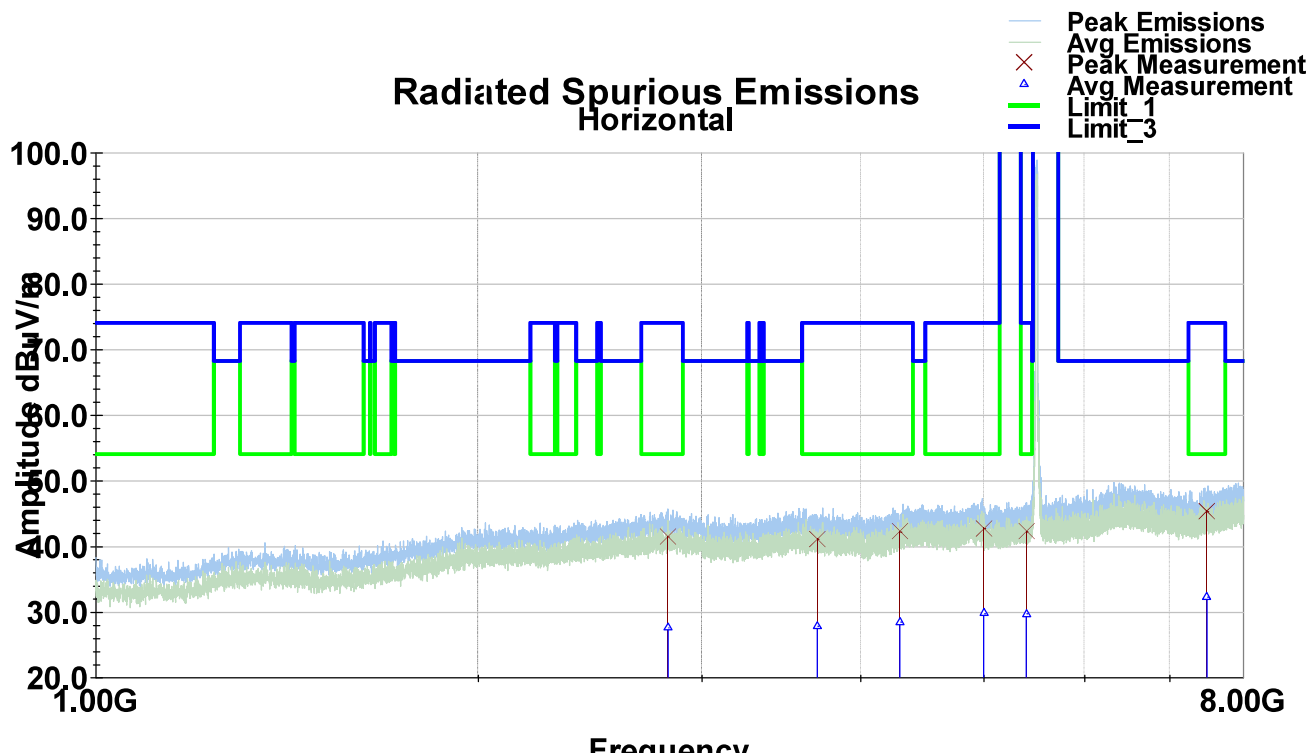
Frequency MHz	Raw Pk dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Final Pk dBuV/m	Limit dBuV/m	Margin dB
3698.60	40.9	V	349.0	201.0	33.1	2.4	0.0	35.5	41.0	74.0	-33.0
4162.68	41.0	V	50.0	146.0	33.5	2.6	0.0	35.3	41.7	74.0	-32.3
4952.32	41.7	V	346.0	247.0	34.0	2.8	0.0	35.4	43.2	74.0	-30.8
5395.84	41.1	V	285.0	244.0	34.5	2.8	0.0	35.2	43.2	74.0	-30.8
7396.80	41.2	V	9.0	190.0	35.7	3.2	0.0	35.7	44.4	74.0	-29.6
7636.80	41.1	V	256.0	180.0	35.8	3.2	0.0	35.6	44.5	74.0	-29.5
Final Pk = Raw Pk + AF + Loss - 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
3698.60	27.9	V	349.0	201.0	33.1	2.4	0.0	35.5	27.9	54.0	-26.0
4162.68	27.6	V	50.0	146.0	33.5	2.6	0.0	35.3	28.3	54.0	-25.7
4952.32	28.3	V	346.0	247.0	34.0	2.8	0.0	35.4	29.7	54.0	-24.3
5395.84	28.2	V	285.0	244.0	34.5	2.8	0.0	35.2	30.2	54.0	-23.8
7396.80	28.7	V	9.0	190.0	35.7	3.2	0.0	35.7	31.9	54.0	-22.1
7636.80	28.9	V	256.0	180.0	35.8	3.2	0.0	35.6	32.3	54.0	-21.7
Final Avg = Raw Avg + AF + Loss - Amp											
Margin = Final Avg - Limit											

1-8GHz – Horizontal – CH100 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
2824.60	42.2	H	104.0	172.0	32.5	2.1	0.0	35.3	41.5	74.0	-32.5
3700.64	41.1	H	349.0	247.0	33.1	2.4	0.0	35.5	41.1	74.0	-32.9
4298.12	41.3	H	253.0	113.0	33.4	2.7	0.0	35.2	42.2	74.0	-31.8
5004.00	41.0	H	263.0	179.0	34.1	3.0	0.0	35.4	42.7	74.0	-31.3
5402.32	40.2	H	351.0	192.0	34.5	2.8	0.0	35.2	42.2	74.0	-31.8
7498.12	42.0	H	34.0	233.0	35.8	3.2	0.0	35.7	45.3	74.0	-28.7
Final Pk = Raw Pk + AF + Loss - Amp											
Margin = Final Pk - Limit											

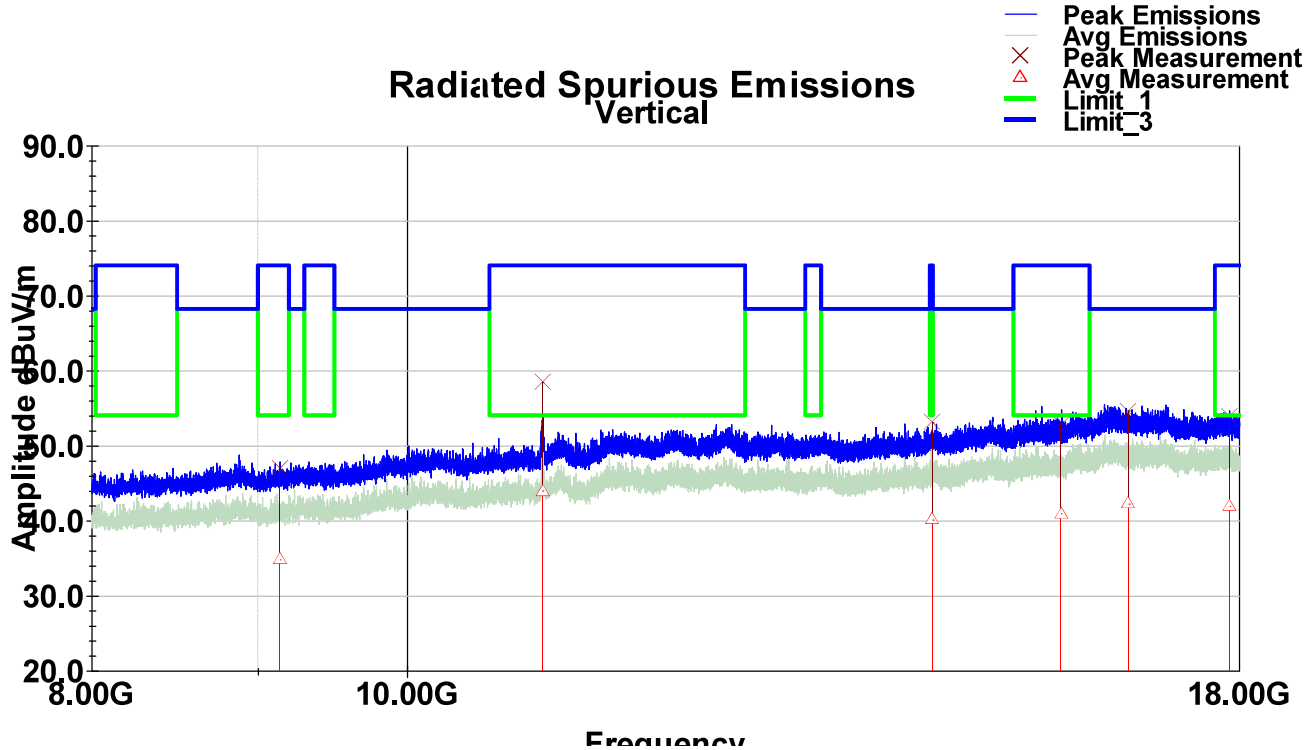
Average

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)
2824.60	28.4	H	104.0	172.0	32.5	2.1	0.0	35.3	27.6	54.0	-26.4
3700.64	27.8	H	349.0	247.0	33.1	2.4	0.0	35.5	27.9	54.0	-26.1
4298.12	27.6	H	253.0	113.0	33.4	2.7	0.0	35.2	28.5	54.0	-25.5
5004.00	28.0	H	263.0	179.0	34.1	3.0	0.0	35.4	29.8	54.0	-24.2
5402.32	27.7	H	351.0	192.0	34.5	2.8	0.0	35.2	29.8	54.0	-24.2
7498.12	29.0	H	34.0	233.0	35.8	3.2	0.0	35.7	32.3	54.0	-21.7
Final Avg = Raw Avg + AF + Loss - Amp											
Margin = Final Avg - Limit											

8-18GHz

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

8-18GHz – Vertical – CH100 X-axis



Peak

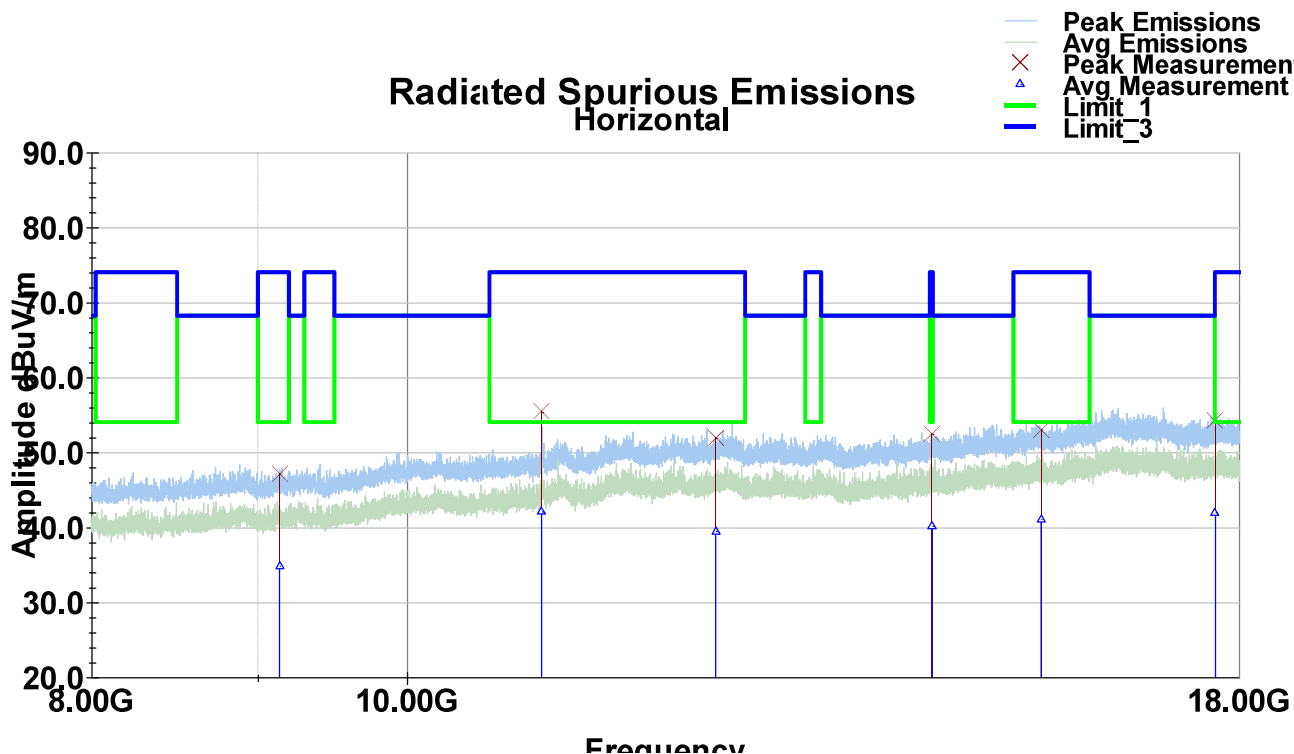
Frequency MHz	Raw Pk dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Final Pk dBuV/m	Limit dBuV/m	Margin dB
9141.48	42.3	V	166.0	109.0	36.4	3.6	0.0	35.4	47.0	74.0	-27.0
11001.96	51.7	V	12.0	106.0	38.4	4.2	0.0	35.9	58.5	74.0	-15.5
14494.24	44.8	V	63.0	192.0	39.8	4.7	0.0	36.2	53.1	74.0	-20.9
15876.20	43.4	V	67.0	180.0	40.7	5.0	0.0	36.3	52.8	74.0	-21.2
16650.28	44.3	V	89.0	135.0	41.5	5.3	0.0	36.4	54.7	74.0	-19.3
17883.52	44.9	V	333.0	227.0	41.0	5.4	0.0	37.3	53.9	74.0	-20.1
Final Pk = Raw Pk + AF + Loss - 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)
9141.48	30.2	V	166.0	109.0	36.4	3.6	0.0	35.4	34.8	54.0	-19.1
11001.96	37.3	V	12.0	106.0	38.4	4.2	0.0	35.9	44.0	54.0	-10.0
14494.24	31.8	V	63.0	192.0	39.8	4.7	0.0	36.2	40.1	54.0	-13.8
15876.20	31.5	V	67.0	180.0	40.7	5.0	0.0	36.3	41.0	54.0	-13.0
16650.28	32.0	V	89.0	135.0	41.5	5.3	0.0	36.4	42.3	54.0	-11.7
17883.52	32.9	V	333.0	227.0	41.0	5.4	0.0	37.3	42.0	54.0	-12.0
Final Avg = Raw Avg + AF + Loss - Amp											
Margin = Final Avg - Limit											

8-18GHz – Horizontal – CH100 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
9139.32	42.5	H	36.0	204.0	36.4	3.6	0.0	35.4	47.1	74.0	-26.9
10998.84	48.7	H	285.0	100.0	38.4	4.2	0.0	35.9	55.4	74.0	-18.6
12436.92	44.1	H	255.0	200.0	39.2	4.5	0.0	35.8	51.9	74.0	-22.1
14494.00	44.2	H	258.0	249.0	39.8	4.7	0.0	36.2	52.5	74.0	-21.5
15653.28	43.8	H	66.0	246.0	40.6	5.0	0.0	36.3	53.0	74.0	-21.0
17704.00	45.1	H	330.0	226.0	40.9	5.3	0.0	37.1	54.3	74.0	-19.7
Final Pk = Raw Pk + AF + Loss - Amp											
Margin = Final Pk - Limit											

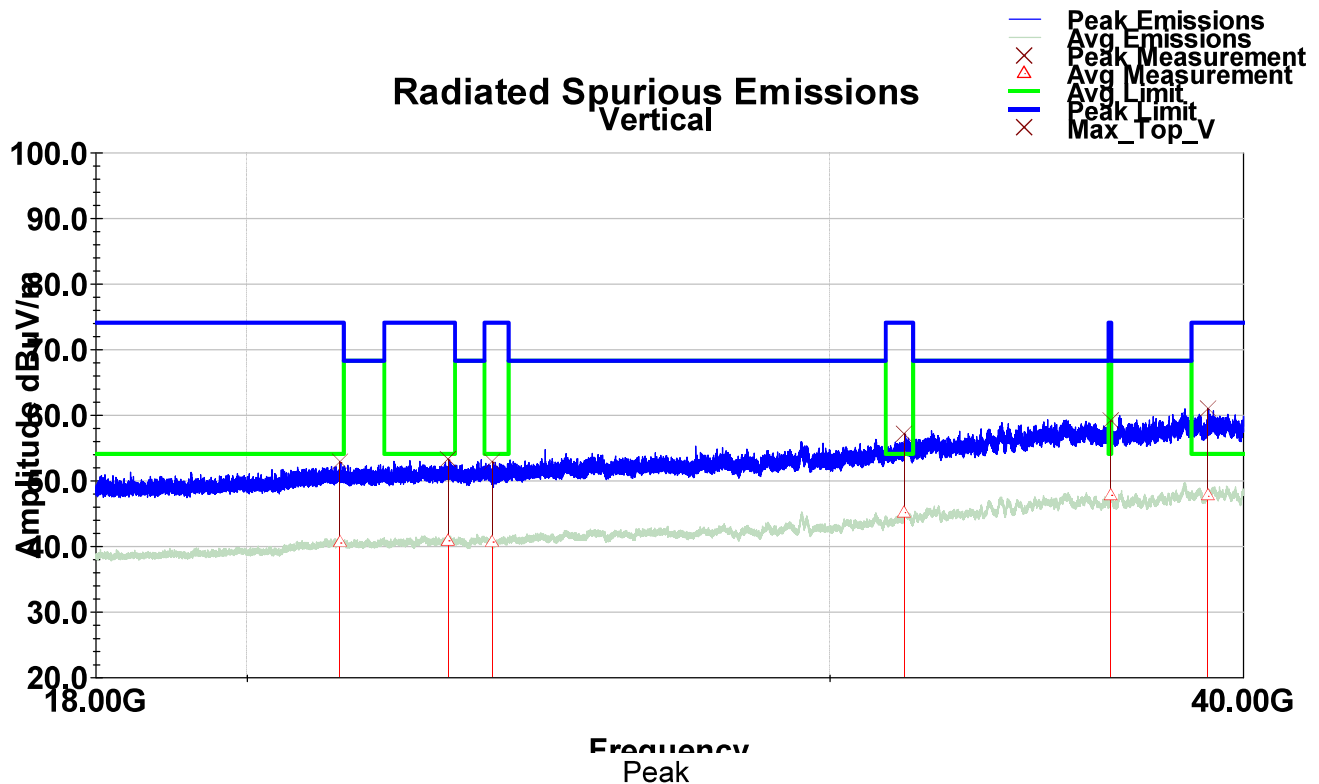
Average

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)
9139.32	30.2	H	36.0	204.0	36.4	3.6	0.0	35.4	34.9	54.0	-19.1
10998.84	35.4	H	285.0	100.0	38.4	4.2	0.0	35.9	42.1	54.0	-11.9
12436.92	31.6	H	255.0	200.0	39.2	4.5	0.0	35.8	39.5	54.0	-14.5
14494.00	31.9	H	258.0	249.0	39.8	4.7	0.0	36.2	40.2	54.0	-13.8
15653.28	31.9	H	66.0	246.0	40.6	5.0	0.0	36.3	41.1	54.0	-12.8
17704.00	32.9	H	330.0	226.0	40.9	5.3	0.0	37.1	42.0	54.0	-11.9
Final Avg = Raw Avg + AF + Loss - Amp											
Margin = Final Avg - Limit											

18-40 GHz

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

18-40GHz – Vertical – CH100 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
21342.24	56.9	V	138.0	246.0	45.6	9.7	-9.5	49.9	52.8	74.0	-21.3
23013.36	56.8	V	61.0	246.0	45.7	10.2	-9.5	50.1	53.1	74.0	-20.9
23729.24	56.6	V	271.0	150.0	45.5	10.3	-9.5	50.1	52.8	74.0	-21.2
31615.36	54.2	V	258.0	200.0	47.4	12.0	-9.5	47.0	57.1	74.0	-16.9
36493.20	56.7	V	246.0	246.0	48.8	13.3	-9.5	50.2	59.1	74.0	-14.9
39043.00	57.9	V	257.0	150.0	48.9	14.1	-9.5	50.4	60.9	74.0	-13.1
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

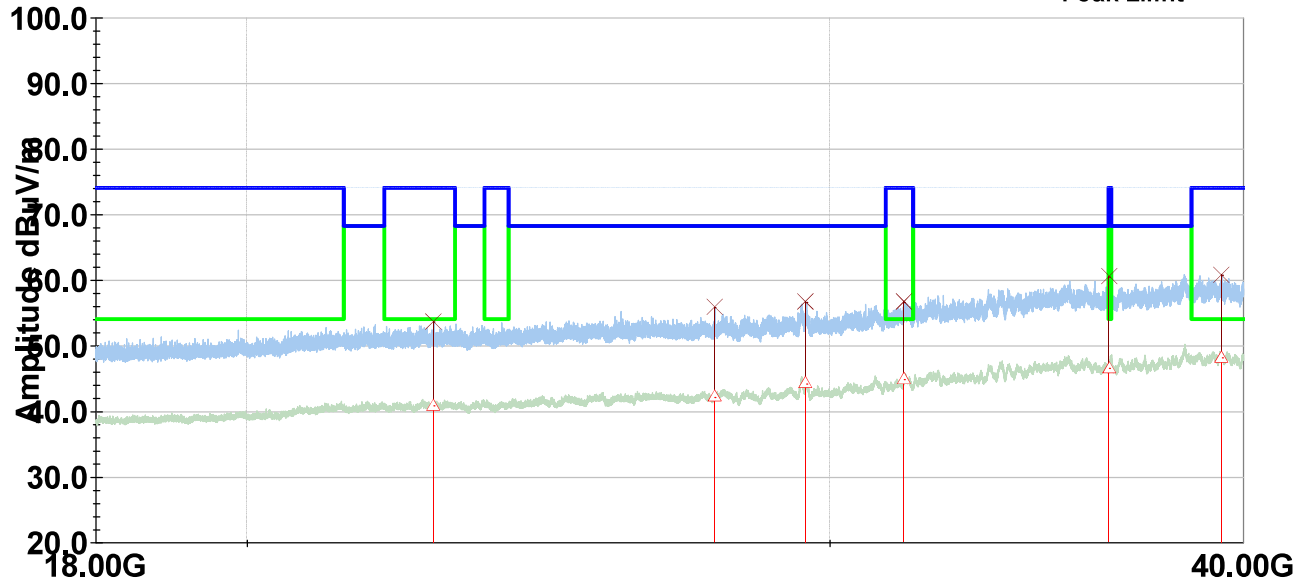
Average

Frequency MHz	Raw Ave 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
21342.24	44.7	V	138.0	246.0	45.6	9.7	-9.5	49.9	40.6	54.0	-13.5
23013.36	44.5	V	61.0	246.0	45.7	10.3	-9.5	50.1	40.9	54.0	-13.1
23729.24	44.4	V	271.0	150.0	45.5	10.3	-9.5	50.1	40.7	54.0	-13.4
31615.36	42.2	V	258.0	200.0	47.4	12.0	-9.5	47.0	45.2	54.0	-8.8
36493.20	45.4	V	246.0	246.0	48.8	13.3	-9.5	50.2	47.8	54.0	-6.2
39043.00	44.6	V	257.0	150.0	48.9	14.1	-9.5	50.4	47.7	54.0	-6.4
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											

18-40GHz – Horizontal – CH100 X-axis

Radiated Spurious Emissions Horizontal

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



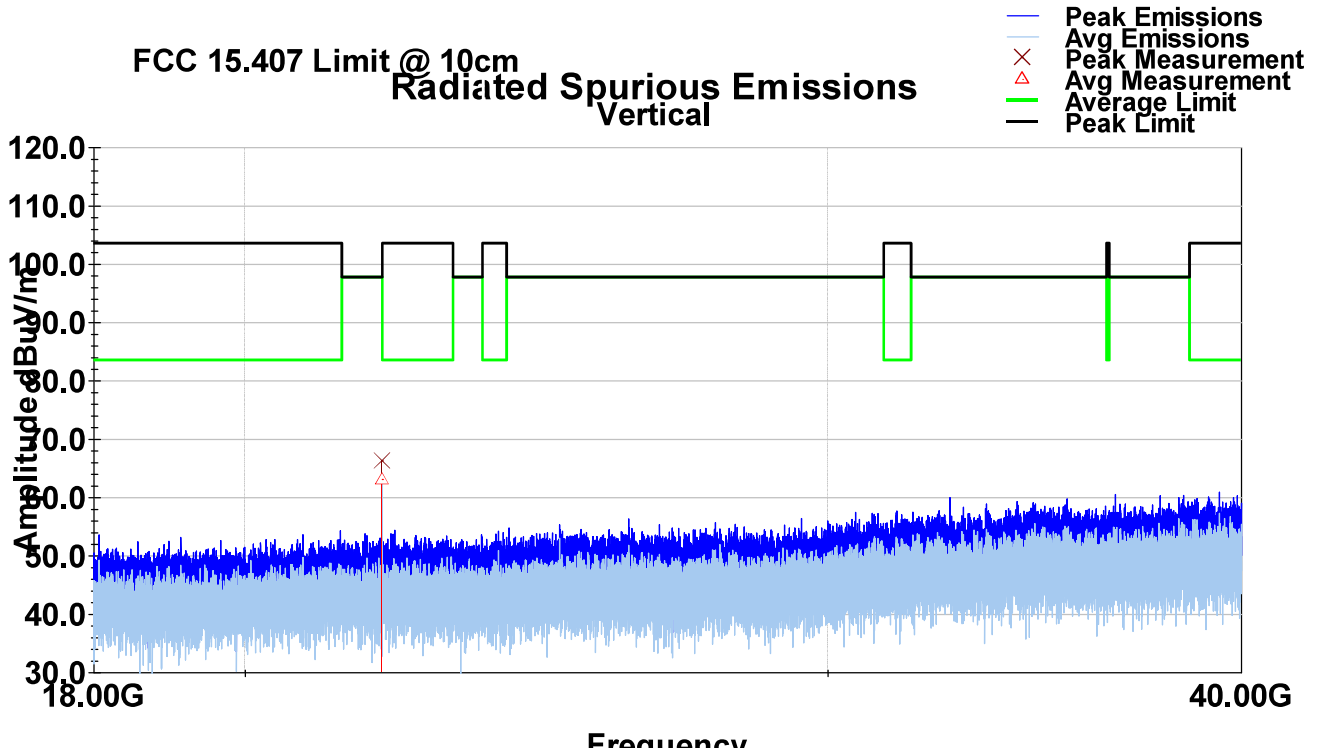
Frequency
Peak

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
22772.24	57.4	H	362.0	200.0	45.8	10.2	-9.5	50.2	53.7	74.0	-20.3
27690.12	57.7	H	-2.0	200.0	46.6	11.3	-9.5	50.3	55.8	68.2	-12.4
29516.56	56.4	H	357.0	246.0	46.9	11.8	-9.5	49.0	56.6	68.2	-11.6
31591.60	54.1	H	208.0	200.0	47.4	12.0	-9.5	47.4	56.7	74.0	-17.4
36440.84	58.7	H	-1.0	150.0	48.8	13.2	-9.5	50.7	60.5	74.0	-13.5
39415.68	56.9	H	276.0	246.0	49.3	14.0	-9.5	49.9	60.8	74.0	-13.2
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

Average

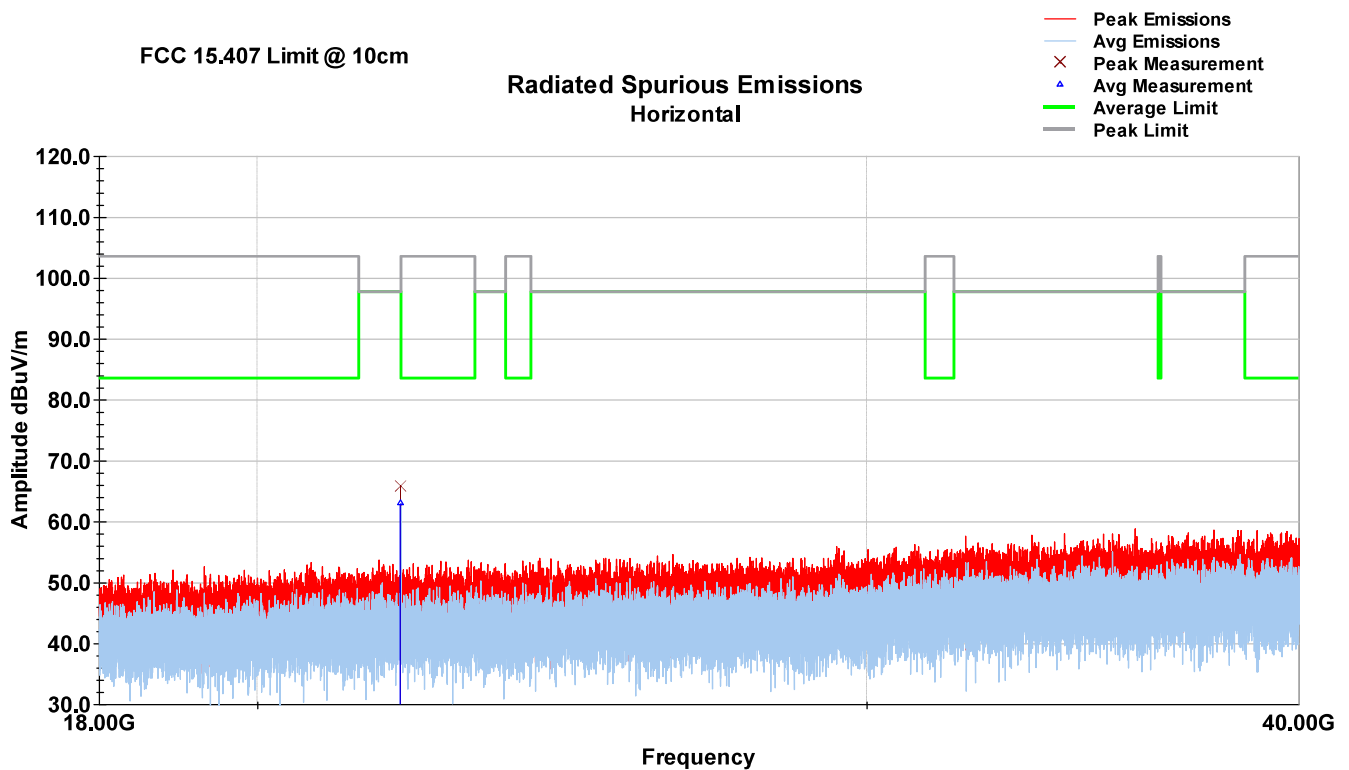
Frequency MHz	Raw Ave dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Final Pk dBuV/m	Limit dBuV/m	Margin dB
22772.24	44.6	H	362.0	200.0	45.8	10.2	-9.5	50.2	40.9	54.0	-13.1
27690.12	44.0	H	-2.0	200.0	46.6	11.3	-9.5	50.3	42.2	68.2	-26.0
29516.56	43.9	H	357.0	246.0	46.9	11.8	-9.5	49.0	44.2	68.2	-24.0
31591.60	42.3	H	208.0	200.0	47.4	12.0	-9.5	47.4	44.9	54.0	-9.1
36440.84	44.8	H	-1.0	150.0	48.8	13.2	-9.5	50.7	46.6	54.0	-7.4
39415.68	44.3	H	276.0	246.0	49.3	14.0	-9.5	49.9	48.2	54.0	-5.8
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											

18-40GHz – Vertical – CH100 X-axis (10cm distance)



Note: To verify compliance, measurements were performed at a 10cm distance.

18-40GHz – Horizontal – CH100 X-axis (10cm distance)



6.11.6 WLAN 802.11n – MCS6 – OFDM - Antenna 1 - Channel 165

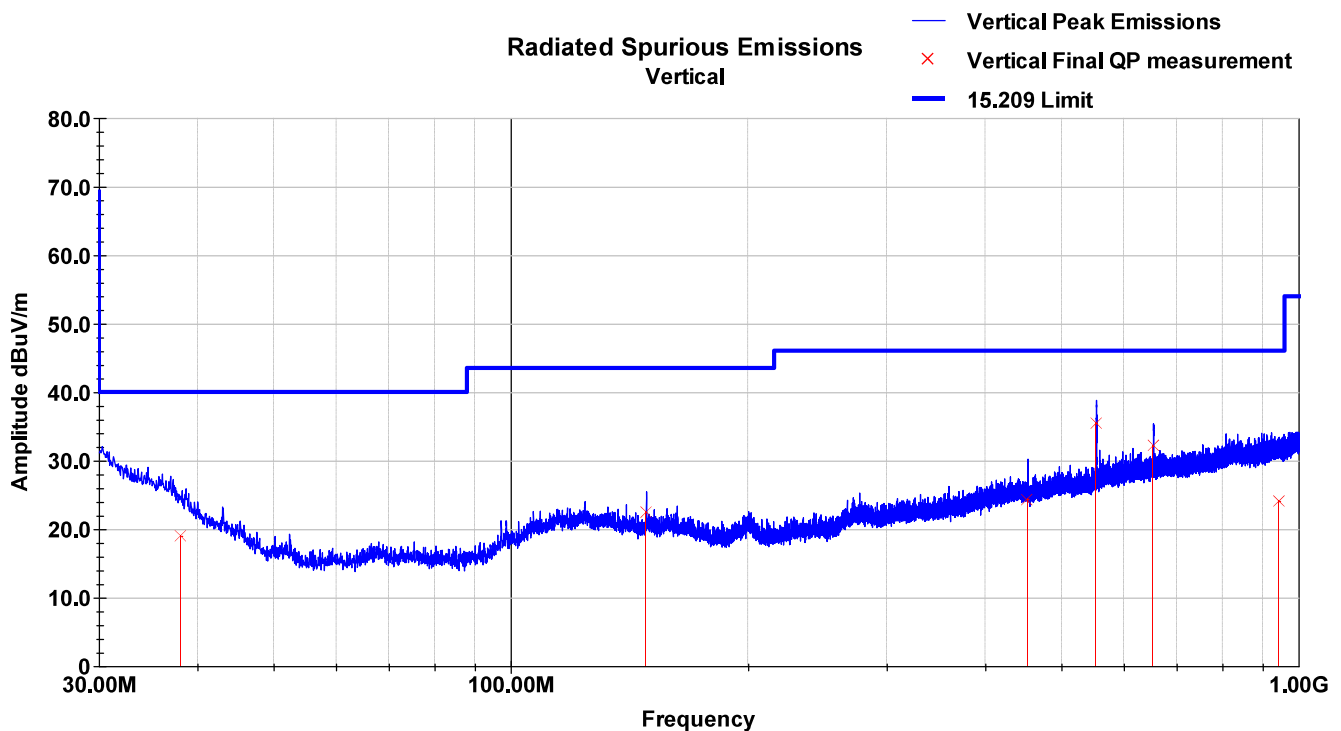
9kHz-30MHz

- This frequency range does not show any significant difference between different chains, channels and/or orientation. No unwanted emissions within 20db of the limit. Unintentional emissions are not a part of this evaluation. Worst case plots shown on Channel 36.

30-1000MHz

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

30-1000MHz – Vertical – Ch165 Z-axis



Quasi Peak

Frequency MHz	Raw QP (dBuV)	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	QP Value (dBuV/m)	Limit (dBuV/m)	Margin (dB)
38.13	29.5	V	227.0	340.0	19.8	0.3	0.0	30.7	19.0	40.0	-21.0
148.52	35.3	V	360.0	130.0	17.0	0.7	0.0	30.6	22.5	43.5	-21.0
452.61	31.2	V	127.0	115.0	21.3	1.8	0.0	30.1	24.4	46.0	-21.6
553.01	40.5	V	242.0	100.0	22.8	1.9	0.0	29.9	35.4	46.0	-10.6
653.44	35.0	V	306.0	100.0	24.5	2.0	0.0	29.5	32.2	46.0	-13.9
944.06	23.6	V	160.0	207.0	27.5	2.2	0.0	29.3	24.1	46.0	-21.9
QP Value = Raw QP + AF + Loss + DCF - Amp											
Margin = QP Value - Limit											