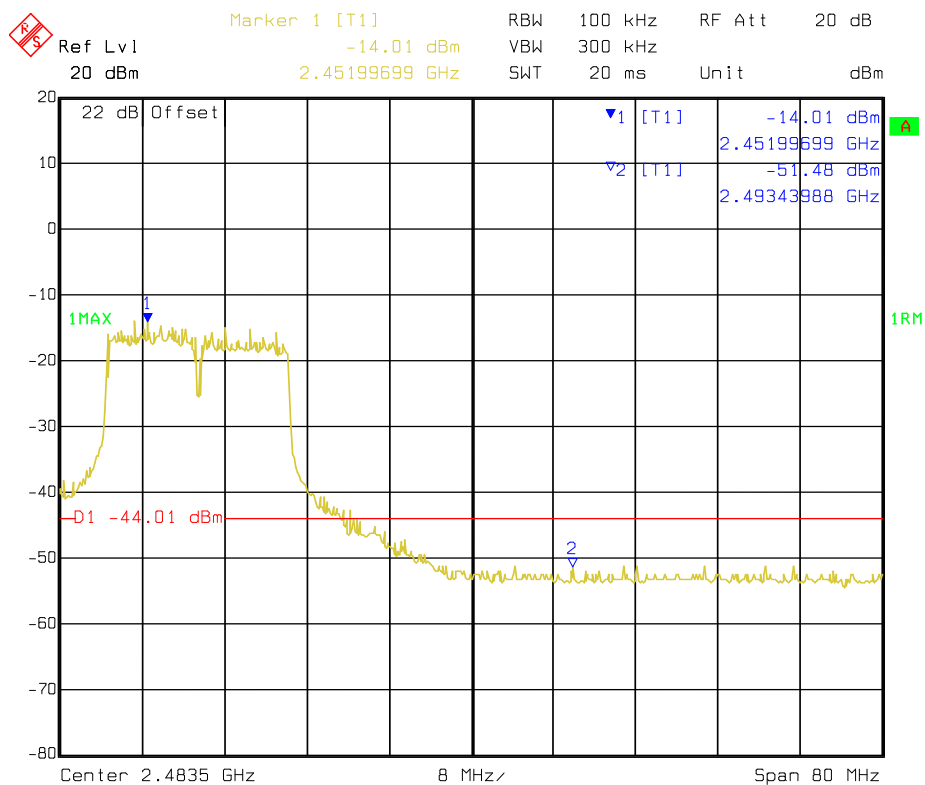
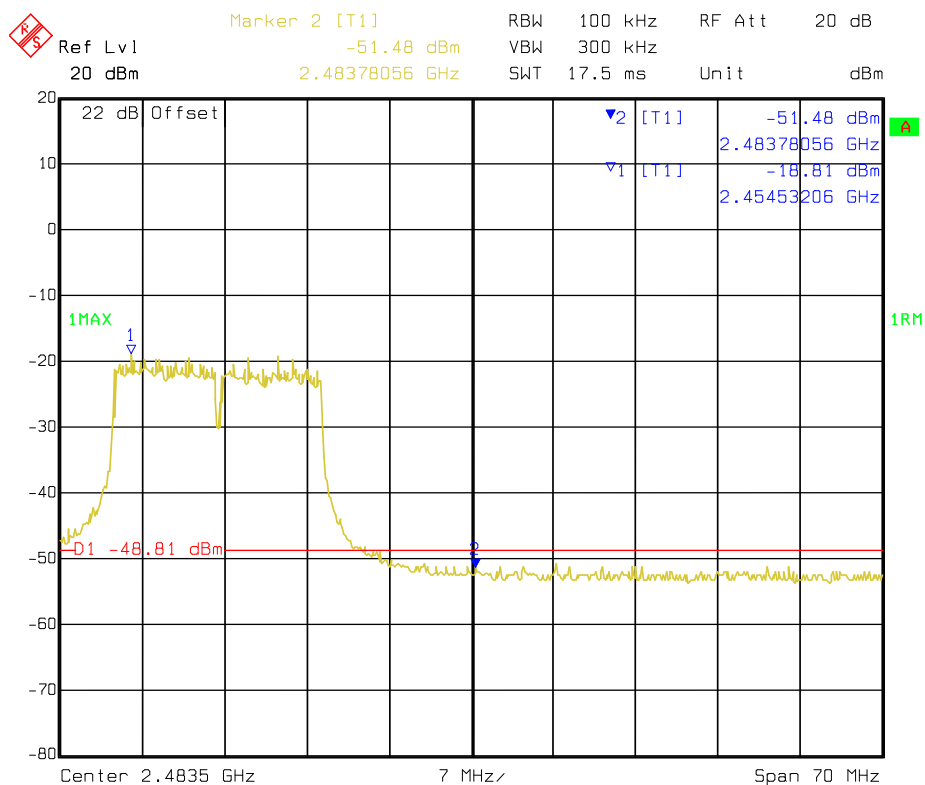




Date: 11.MAR.2015 11:47:43

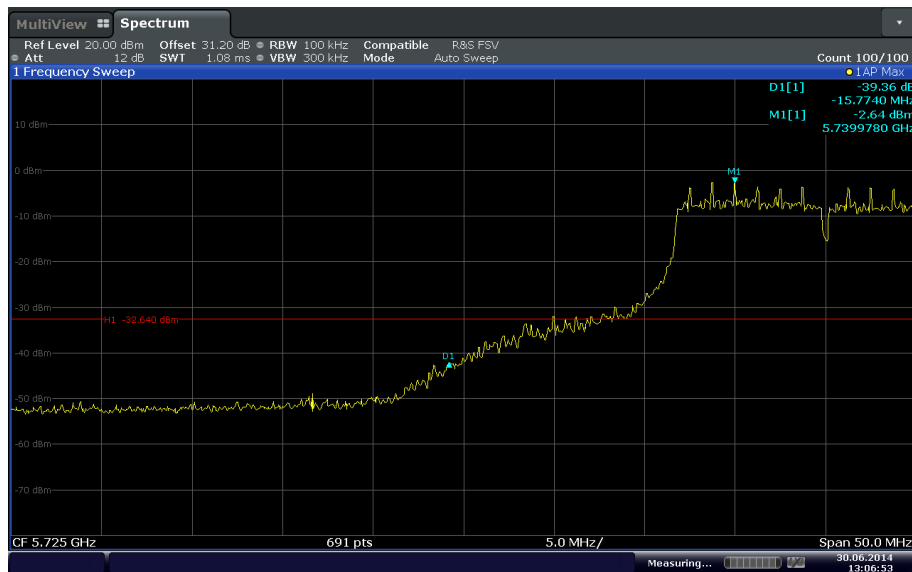
Upper Bandedge 802.11n ht20 MIMO mode Channel 10 (2457MHz)



Date: 11.MAR.2015 11:51:38

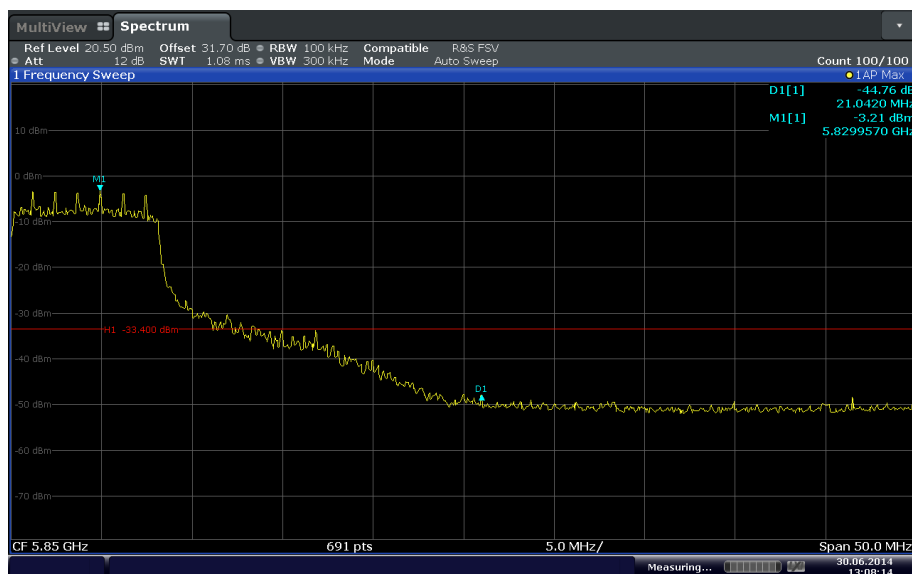
Upper Bandedge 802.11n ht20 MIMO mode Channel 11 (2462MHz)

802.11a_Lower Band Edge of 5725 MHz Band



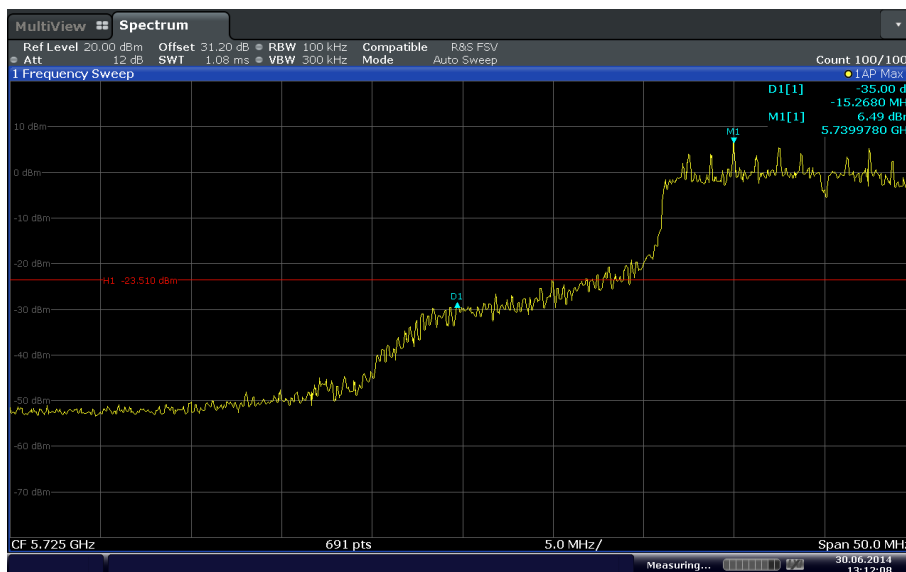
Date: 30 JUN 2014 13:06:53

802.11a_Higher Band Edge of 5850 MHz Band



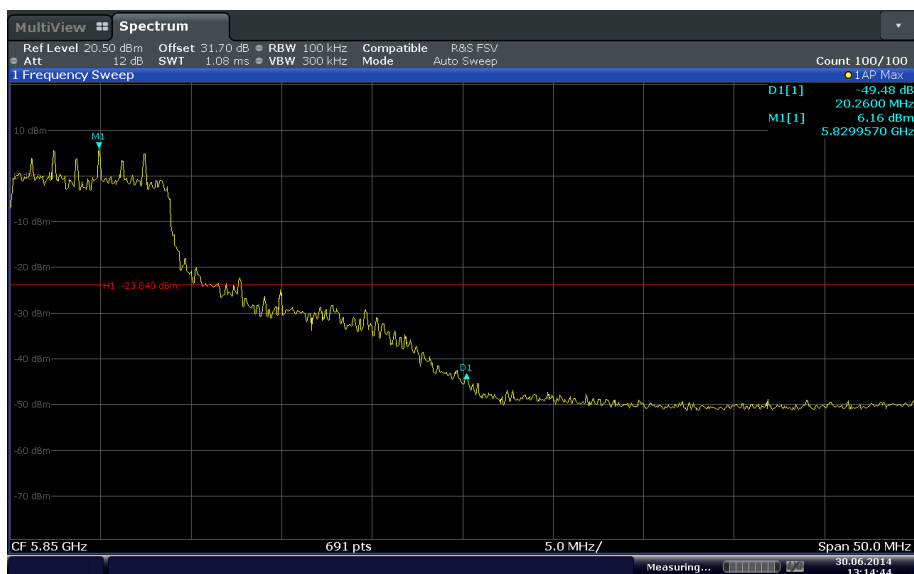
Date: 30 JUN 2014 13:08:15

802.11n (HT20)_Lower Band Edge of 5725 MHz Band



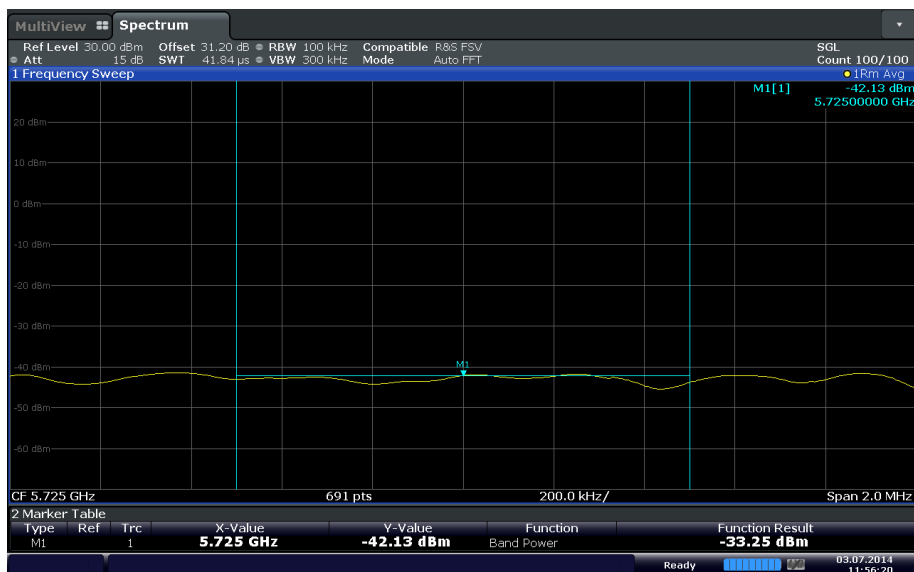
Date: 30 JUN 2014 13:12:08

802.11n (HT20)_Higher Band Edge of 5850 MHz Band



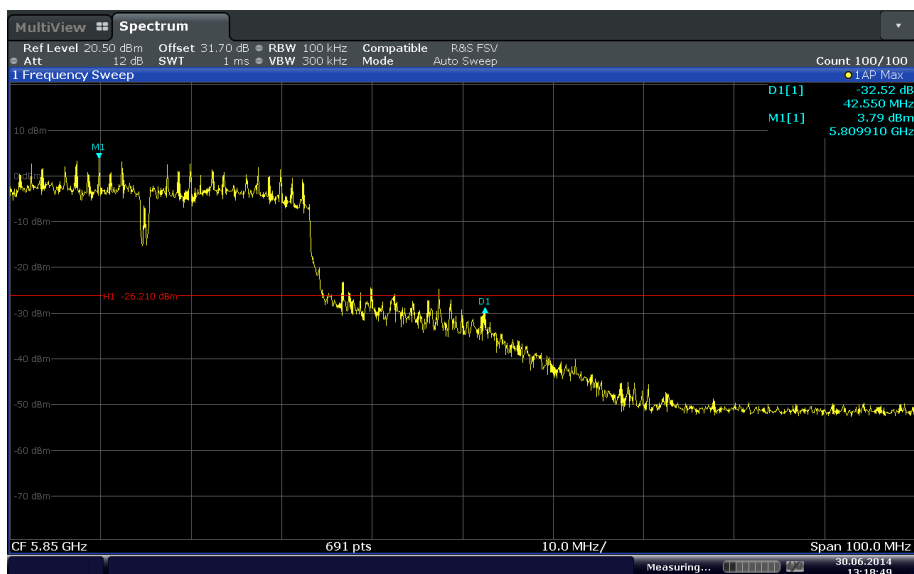
Date: 30 JUN 2014 13:14:45

802.11n (HT40)_Lower Band Edge of 5725 MHz Band (Integration test method)



Date: 3 JUL 2014 11:56:20

802.11n (HT40)_Higher Band Edge of 5850 MHz Band



Date: 30 JUN 2014 13:18:49



2.7 SPURIOUS RADIATED EMISSIONS

2.7.1 Specification Reference

Part 15 Subpart C §15.247(d)

2.7.2 Standard Applicable

(d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator 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 the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

2.7.3 Equipment Under Test and Modification State

Serial No: SH181214900051 / Test Configuration B

2.7.4 Date of Test/Initial of test personnel who performed the test

March 14 to March 27, 2015 / AC and IR

2.7.5 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.7.6 Environmental Conditions/ Test Location

Test performed at TÜV SÜD America Inc. Rancho Bernardo facility

Ambient Temperature	22.3-23.3°C
Relative Humidity	47.0-50.0%
ATM Pressure	99.8-99.9 kPa

2.7.7 Additional Observations

- This is a radiated test. The spectrum was searched from 30MHz to the 10th harmonic.
- There are no emissions found that do not comply to the restricted bands defined in FCC Part 15 Subpart C, 15.205 or Part 15.247(d).
- Only the considered worst case WLAN configuration (SISO 802.11b, Low Channel, 1Mbps) presented for radiated emissions below 1GHz. There are no significant differences in emissions between all modes below 1GHz.



- Only noise floor measurements observed above 18GHz.
- Measurement was done using EMC32 automated software. Reported level is the actual level with all the correction factors factored in. Correction Factor column is for informational purposes only. See Section 2.7.8 for sample computation.

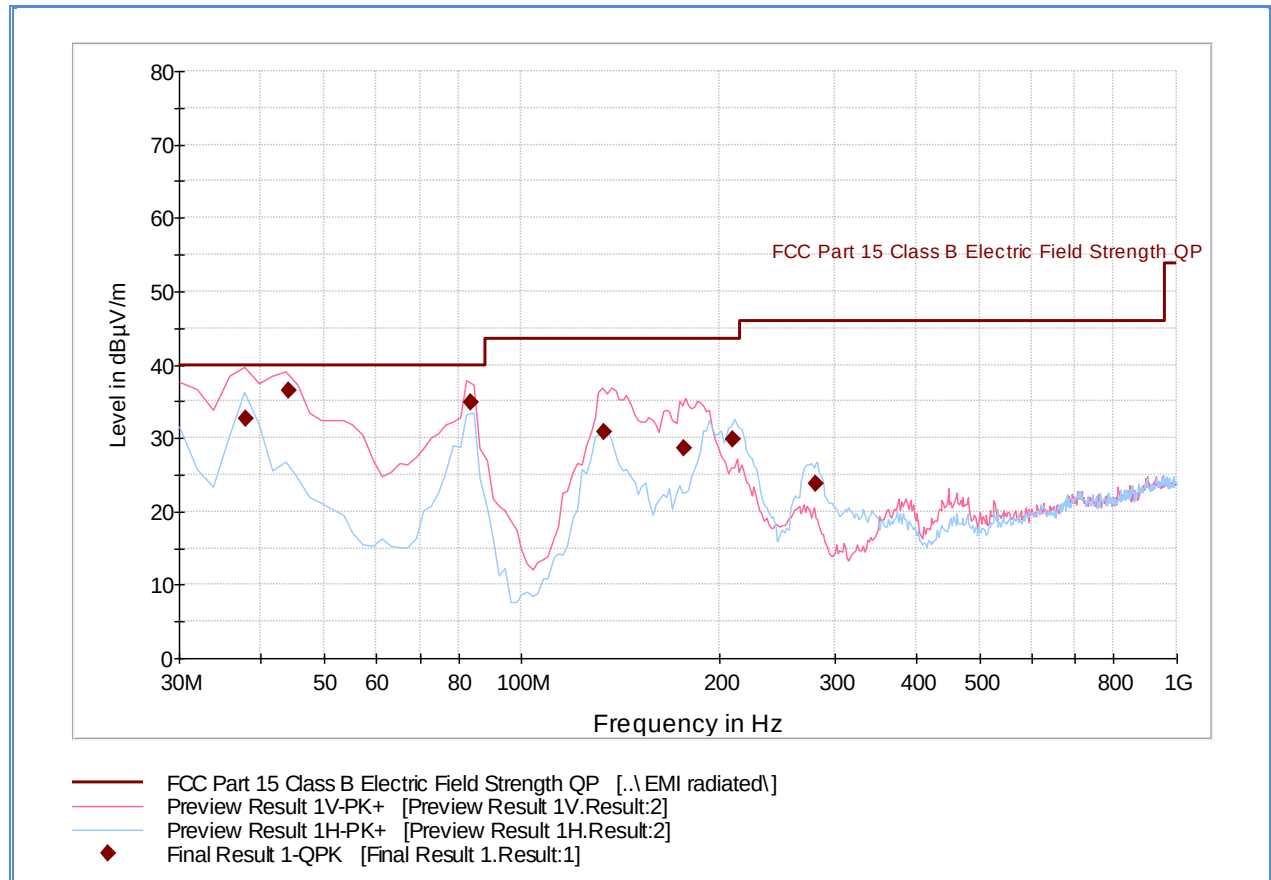
2.7.8 Sample Computation (Radiated Emission)

Measuring equipment raw measurement (db μ V) @ 30 MHz			24.4
Correction Factor (dB)	Asset# 1066 (cable)	0.3	-12.6
	Asset# 1172 (cable)	0.3	
	Asset# 1016 (preamplifier)	-30.7	
	Asset# 1175(cable)	0.3	
	Asset# 1002 (antenna)	17.2	
Reported QuasiPeak Final Measurement (db μ V/m) @ 30MHz			11.8

2.7.9 Test Results

See attached plots.

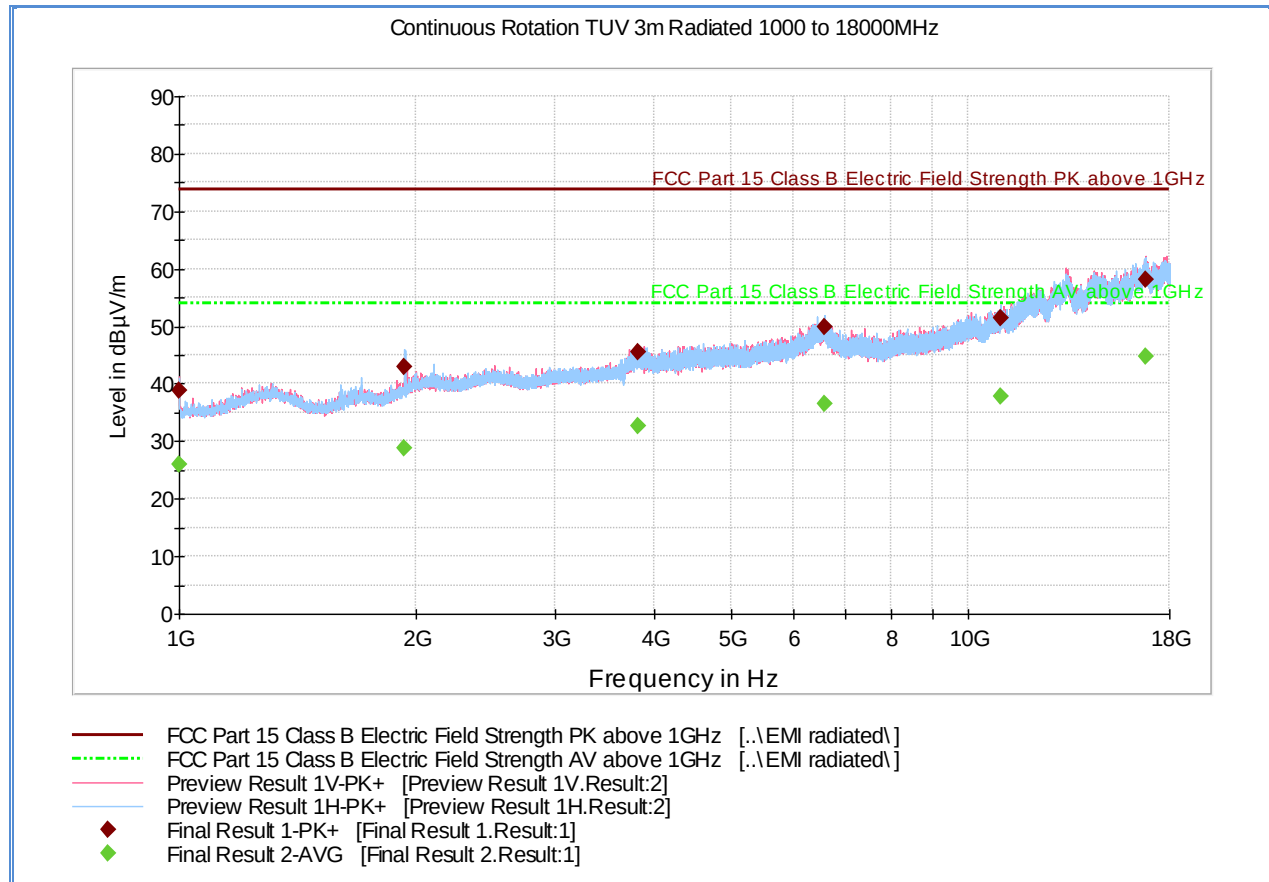
2.7.10 Test Results Below 1GHz (Receive Mode)



Quasi Peak Data

Frequency (MHz)	QuasiPeak (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
37.895551	32.7	1000.0	120.000	100.0	V	18.0	-15.2	7.3	40.0
44.087214	36.5	1000.0	120.000	106.0	V	145.0	-17.9	3.5	40.0
83.684970	34.9	1000.0	120.000	100.0	V	175.0	-21.4	5.1	40.0
133.473828	30.9	1000.0	120.000	100.0	V	-10.0	-20.3	12.6	43.5
176.695471	28.6	1000.0	120.000	100.0	V	-8.0	-17.6	14.9	43.5
209.821563	29.7	1000.0	120.000	150.0	H	33.0	-15.8	13.8	43.5
280.561523	23.8	1000.0	120.000	100.0	H	165.0	-13.1	22.2	46.0

2.7.11 Test Results Above 1GHz (Receive Mode)



Peak Data

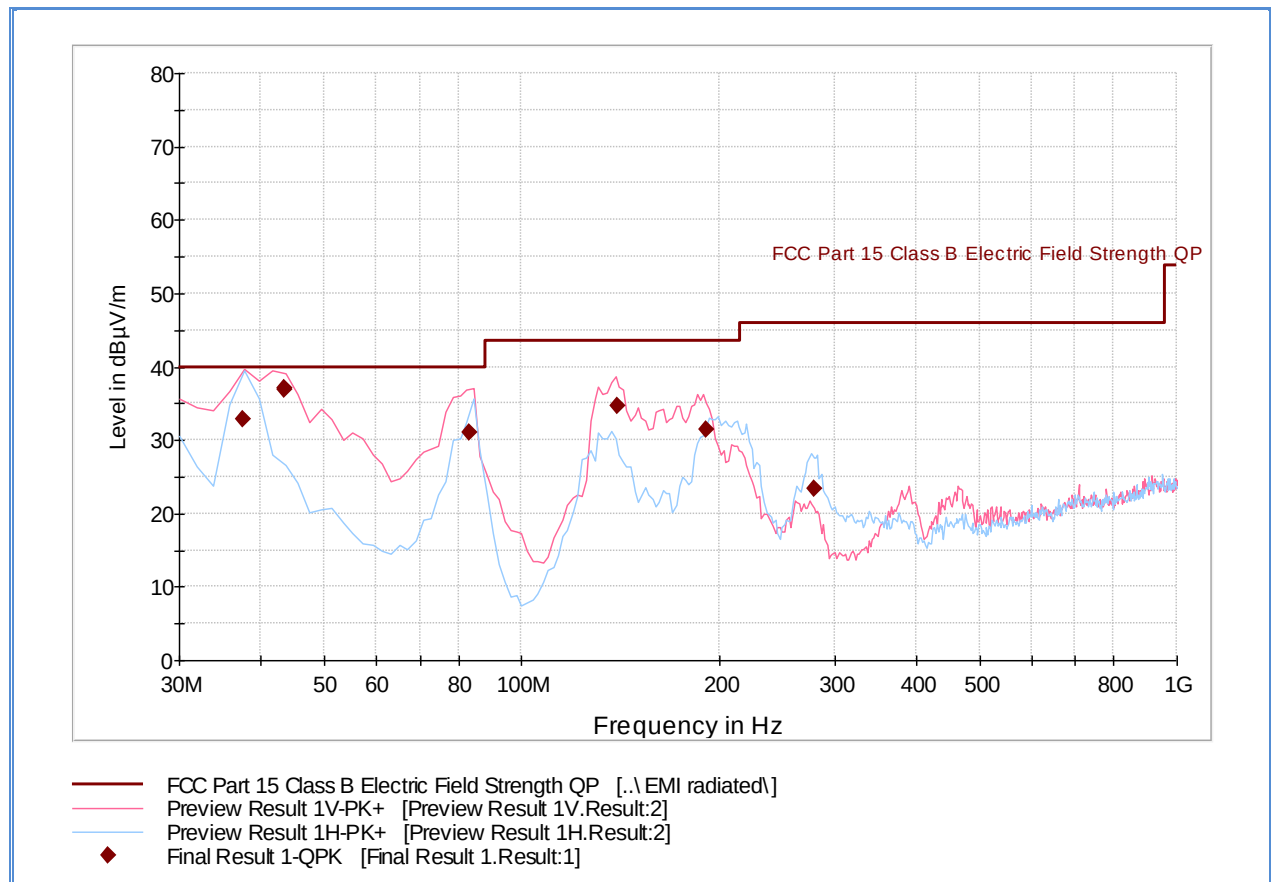
Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1000.000000	38.9	1000.0	1000.000	130.7	V	23.0	-7.4	35.0	73.9
1931.966667	43.0	1000.0	1000.000	333.1	H	206.0	-2.0	30.9	73.9
3815.033333	45.6	1000.0	1000.000	379.1	V	289.0	4.9	28.3	73.9
6583.000000	49.8	1000.0	1000.000	403.3	H	179.0	11.2	24.1	73.9
11015.10000	51.4	1000.0	1000.000	378.1	V	212.0	14.8	22.5	73.9
16805.50000	58.0	1000.0	1000.000	403.3	V	61.0	23.6	15.9	73.9

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1000.000000	25.9	1000.0	1000.000	130.7	V	23.0	-7.4	28.0	53.9
1931.966667	28.9	1000.0	1000.000	333.1	H	206.0	-2.0	25.0	53.9
3815.033333	32.7	1000.0	1000.000	379.1	V	289.0	4.9	21.2	53.9
6583.000000	36.5	1000.0	1000.000	403.3	H	179.0	11.2	17.4	53.9
11015.10000	37.9	1000.0	1000.000	378.1	V	212.0	14.8	16.0	53.9
16805.50000	44.8	1000.0	1000.000	403.3	V	61.0	23.6	9.1	53.9

Test Notes: No significant emissions observed above 18GHz.

2.7.12 Test Results Below 1GHz (WLAN worst Case Configuration)

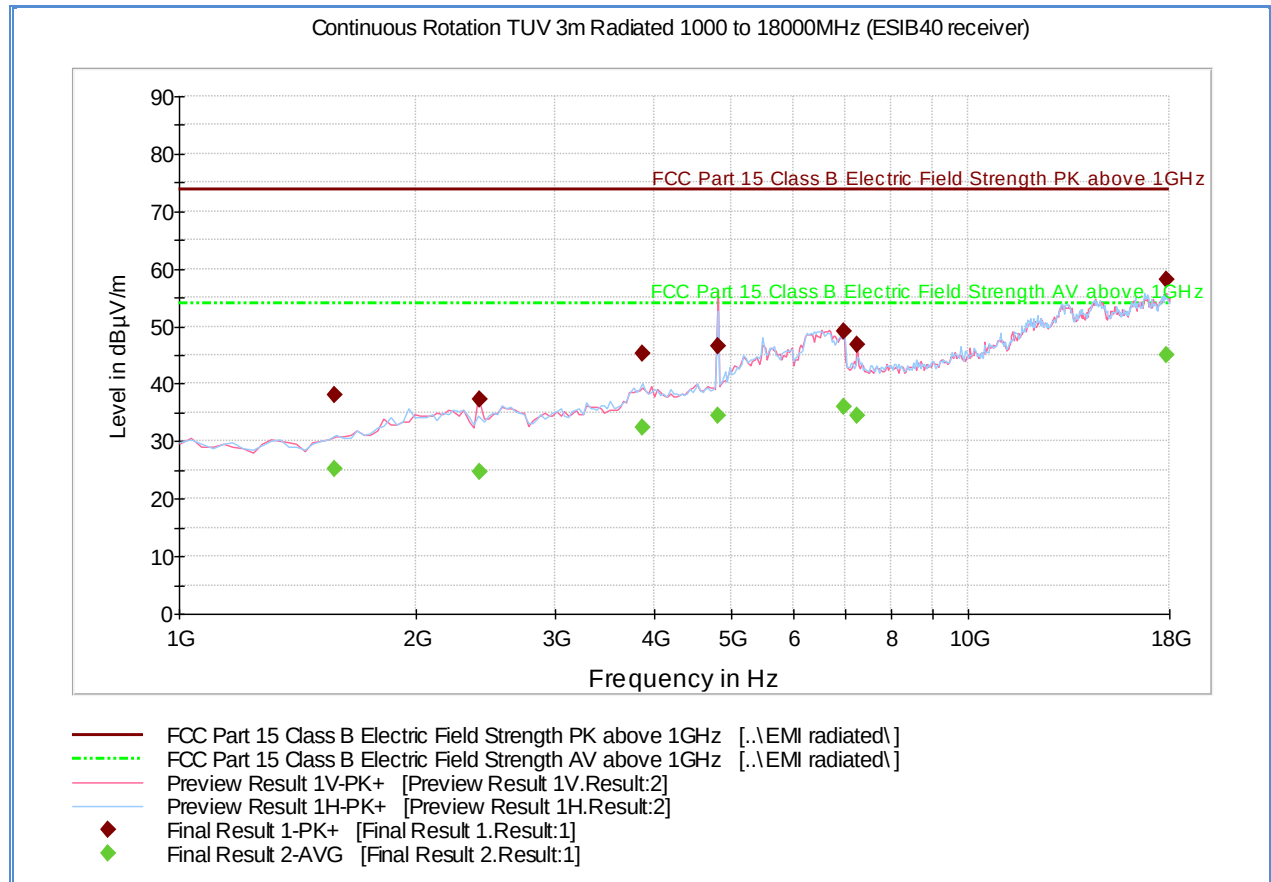


Quasi Peak Data

Frequency (MHz)	QuasiPeak (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
37.575551	32.8	1000.0	120.000	100.0	V	18.0	-15.0	7.2	40.0
43.367214	36.9	1000.0	120.000	100.0	V	110.0	-17.7	3.1	40.0
43.383327	37.0	1000.0	120.000	100.0	V	181.0	-17.7	3.0	40.0
83.148858	31.0	1000.0	120.000	109.0	V	149.0	-21.4	9.0	40.0
140.257715	34.6	1000.0	120.000	100.0	V	355.0	-19.6	8.9	43.5
191.078798	31.3	1000.0	120.000	100.0	V	334.0	-16.1	12.2	43.5
278.833747	23.4	1000.0	120.000	100.0	H	158.0	-13.1	22.6	46.0

Test Notes: Only worst case channel presented for spurious emissions below 1GHz.

2.7.13 Test Results Above 1GHz (SISO 802.11b Channel 1)



Peak Data

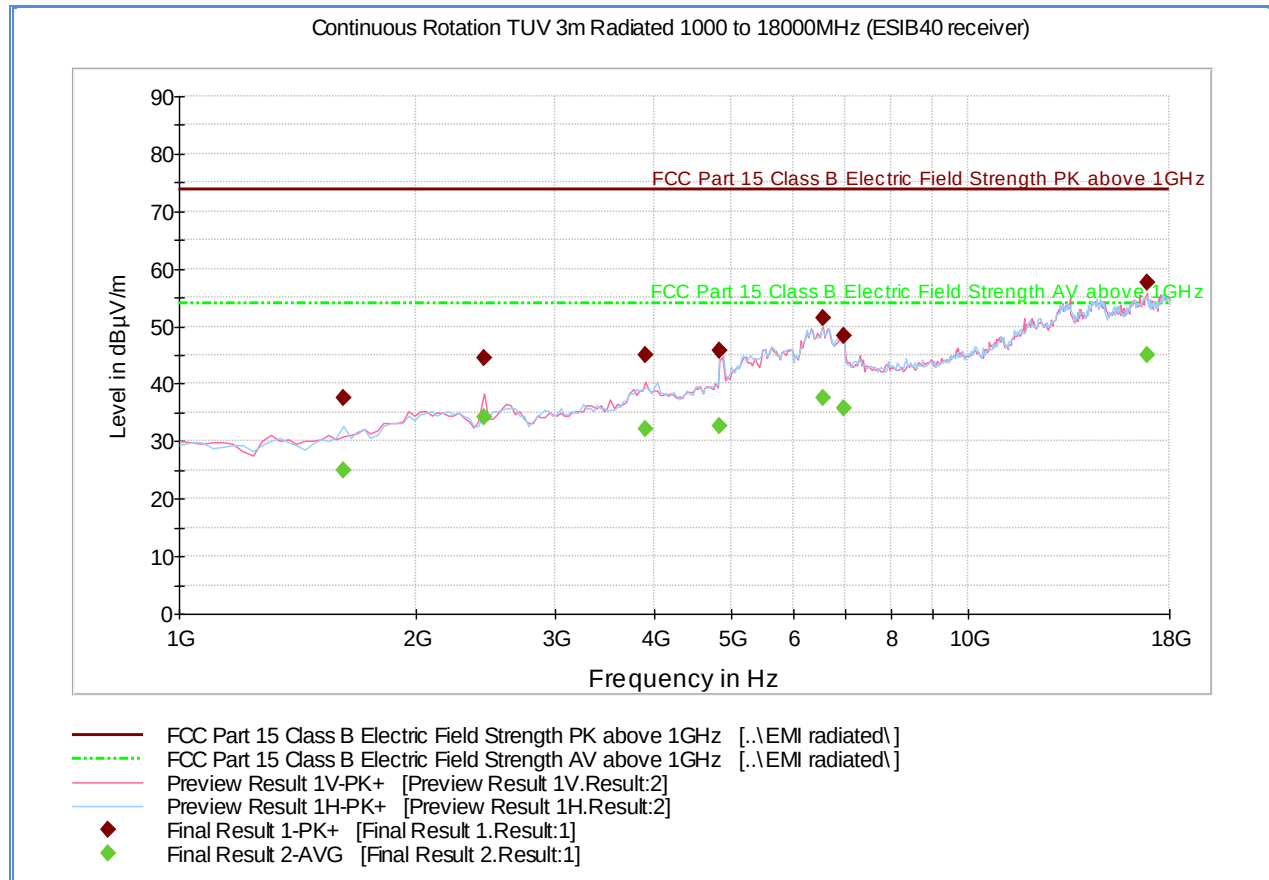
Frequency (MHz)	MaxPeak (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
1572.858317	38.0	1000.0	1000.000	350.6	H	341.0	-5.6	35.9	73.9
2399.493587	37.3	1000.0	1000.000	384.1	V	352.0	-0.6	36.6	73.9
3865.423447	45.2	1000.0	1000.000	123.7	H	127.0	4.9	28.7	73.9
4823.131263	46.7	1000.0	1000.000	168.6	V	278.0	5.7	27.2	73.9
6960.223848	49.1	1000.0	1000.000	350.6	H	321.0	9.2	24.8	73.9
7236.568938	46.8	1000.0	1000.000	270.3	V	340.0	9.6	27.1	73.9
17826.959319	58.0	1000.0	1000.000	383.1	V	243.0	23.3	15.9	73.9

Average Data

Frequency (MHz)	Average (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
1572.858317	25.2	1000.0	1000.000	350.6	H	341.0	-5.6	28.7	53.9
2399.493587	24.6	1000.0	1000.000	384.1	V	352.0	-0.6	29.3	53.9
3865.423447	32.4	1000.0	1000.000	123.7	H	127.0	4.9	21.5	53.9
4823.131263	34.4	1000.0	1000.000	168.6	V	278.0	5.7	19.5	53.9
6960.223848	36.0	1000.0	1000.000	350.6	H	321.0	9.2	17.9	53.9
7236.568938	34.5	1000.0	1000.000	270.3	V	340.0	9.6	19.4	53.9
17826.959319	44.9	1000.0	1000.000	383.1	V	243.0	23.3	9.0	53.9

Test Notes: Measurement was performed with a 2.4GHz notch filter. No significant emissions observed above 5GHz. Measurements above 5GHz are noise floor figures.

2.7.14 Test Results Above 1GHz (SISO 802.11b Channel 6)



Peak Data

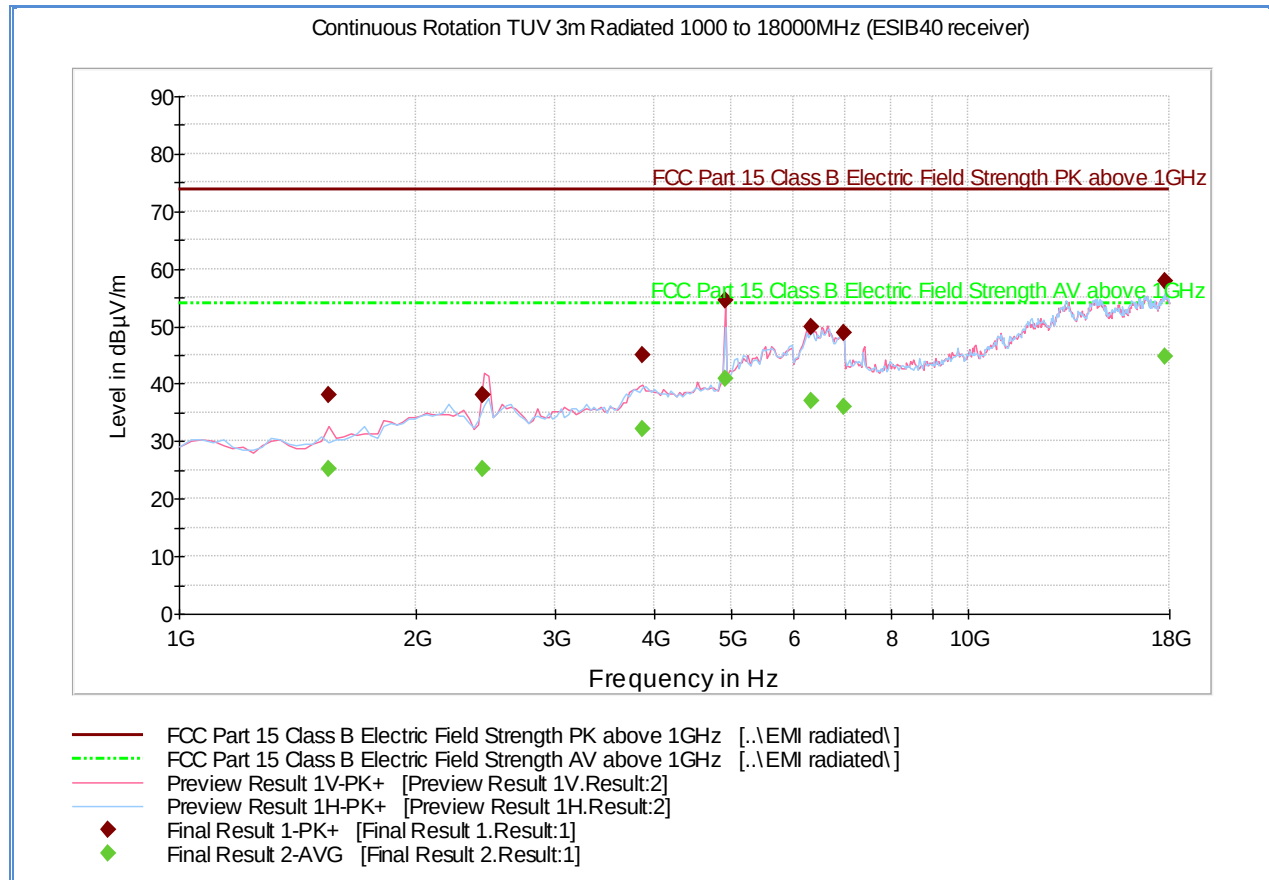
Frequency (MHz)	MaxPeak (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
1617.326453	37.6	1000.0	1000.000	240.4	H	266.0	-5.3	36.3	73.9
2437.761723	44.6	1000.0	1000.000	133.7	V	287.0	-0.4	29.3	73.9
3895.091583	45.1	1000.0	1000.000	352.1	V	242.0	5.0	28.8	73.9
4850.199399	45.7	1000.0	1000.000	346.2	H	188.0	5.9	28.2	73.9
6555.606212	51.3	1000.0	1000.000	372.1	V	222.0	11.3	22.6	73.9
6956.023848	48.4	1000.0	1000.000	405.3	H	118.0	9.2	25.5	73.9
16843.383367	57.6	1000.0	1000.000	103.7	V	16.0	23.2	16.3	73.9

Average Data

Frequency (MHz)	Average (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
1617.326453	25.0	1000.0	1000.000	240.4	H	266.0	-5.3	28.9	53.9
2437.761723	34.2	1000.0	1000.000	133.7	V	287.0	-0.4	19.7	53.9
3895.091583	32.3	1000.0	1000.000	352.1	V	242.0	5.0	21.6	53.9
4850.199399	32.8	1000.0	1000.000	346.2	H	188.0	5.9	21.2	53.9
6555.606212	37.5	1000.0	1000.000	372.1	V	222.0	11.3	16.4	53.9
6956.023848	35.8	1000.0	1000.000	405.3	H	118.0	9.2	18.1	53.9
16843.383367	45.0	1000.0	1000.000	103.7	V	16.0	23.2	8.9	53.9

Test Notes: Measurement was performed with a 2.4GHz notch filter. No significant emissions observed above 5GHz. Measurements above 5GHz are noise floor figures.

2.7.15 Test Results Above 1GHz (SISO 802.11b Channel 11)



Peak Data

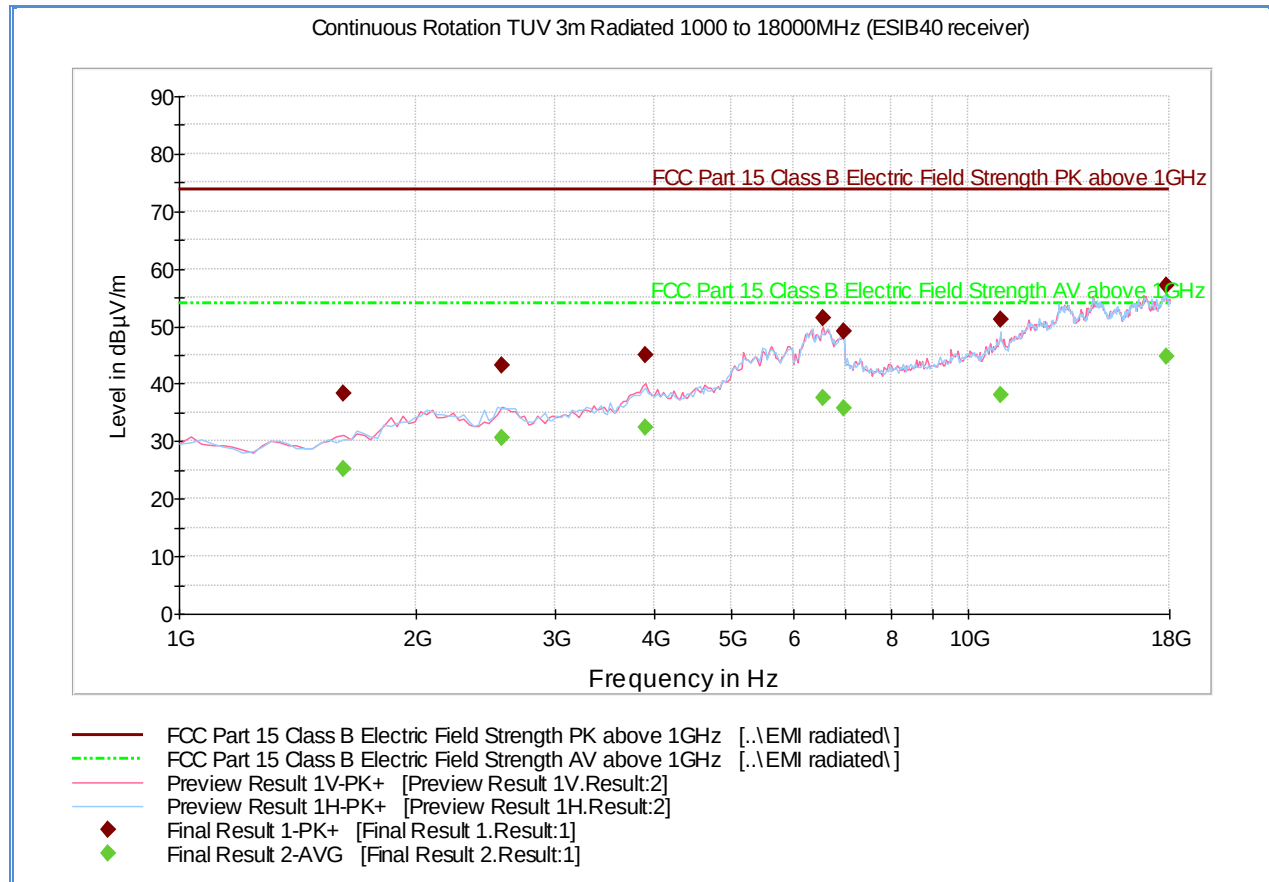
Frequency (MHz)	MaxPeak (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
1547.590180	38.1	1000.0	1000.000	352.1	V	122.0	-5.6	35.8	73.9
2424.961723	38.0	1000.0	1000.000	174.6	V	24.0	-0.4	35.9	73.9
3859.823447	45.1	1000.0	1000.000	301.2	V	356.0	4.9	28.8	73.9
4923.735671	54.4	1000.0	1000.000	124.7	V	29.0	6.2	19.5	73.9
6320.529259	49.9	1000.0	1000.000	384.0	V	220.0	10.5	24.0	73.9
6959.623848	48.7	1000.0	1000.000	183.5	V	54.0	9.2	25.2	73.9
17756.023046	57.8	1000.0	1000.000	200.5	H	157.0	23.2	16.1	73.9

Average Data

Frequency (MHz)	Average (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
1547.590180	25.3	1000.0	1000.000	352.1	V	122.0	-5.6	28.6	53.9
2424.961723	25.2	1000.0	1000.000	174.6	V	24.0	-0.4	28.7	53.9
3859.823447	32.1	1000.0	1000.000	301.2	V	356.0	4.9	21.8	53.9
4923.735671	40.8	1000.0	1000.000	124.7	V	29.0	6.2	13.1	53.9
6320.529259	37.0	1000.0	1000.000	384.0	V	220.0	10.5	16.9	53.9
6959.623848	35.9	1000.0	1000.000	183.5	V	54.0	9.2	18.0	53.9
17756.023046	44.6	1000.0	1000.000	200.5	H	157.0	23.2	9.3	53.9

Test Notes: Measurement was performed with a 2.4GHz notch filter. No significant emissions observed above 5GHz. Measurements above 5GHz are noise floor figures.

2.7.16 Test Results Above 1GHz (SISO 802.11g Channel 1)



Peak Data

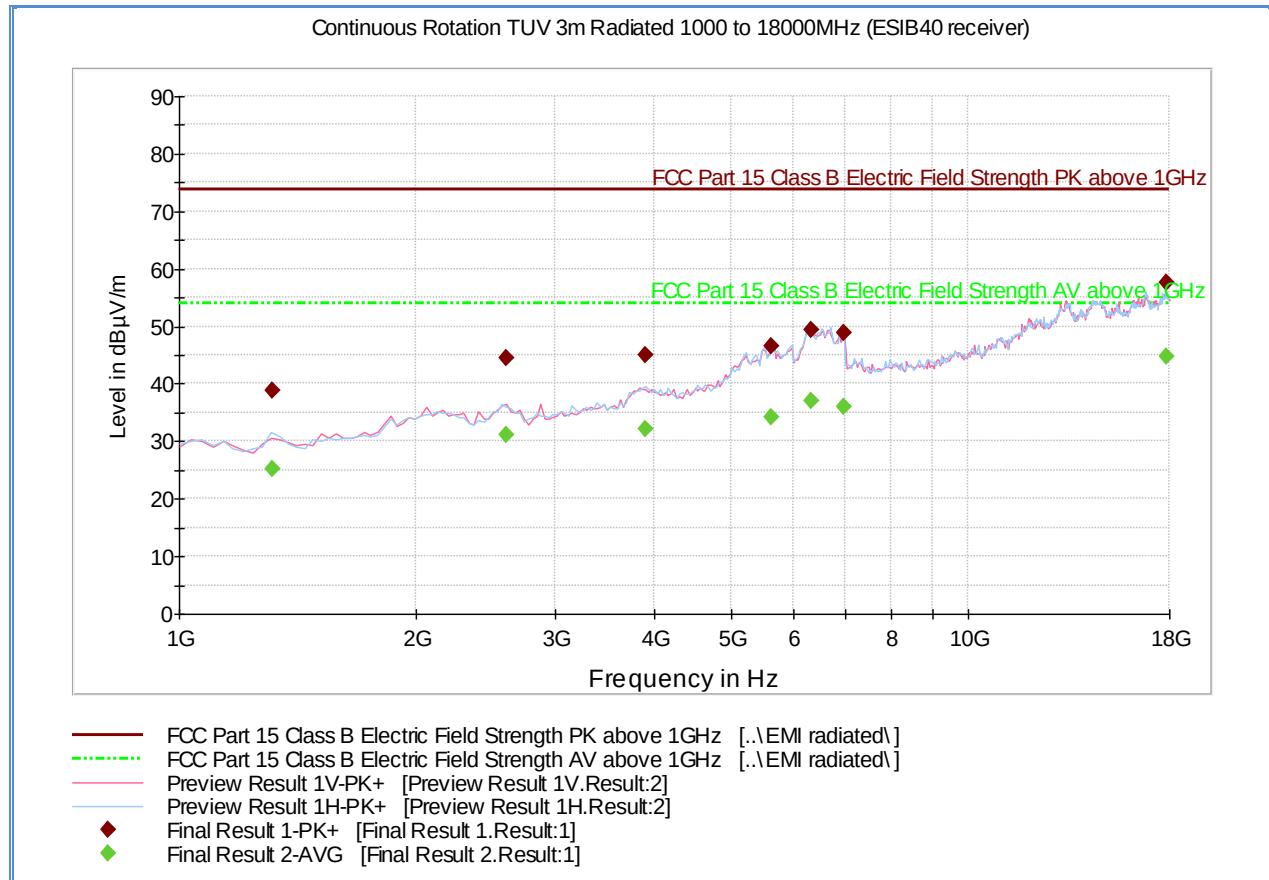
Frequency (MHz)	MaxPeak (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
1615.926453	38.4	1000.0	1000.000	133.7	V	12.0	-5.3	35.5	73.9
2567.034269	43.2	1000.0	1000.000	219.4	V	81.0	0.0	30.7	73.9
3897.891583	44.9	1000.0	1000.000	201.5	V	179.0	5.0	29.0	73.9
6556.006212	51.4	1000.0	1000.000	165.6	V	279.0	11.3	22.6	73.9
6965.223848	49.1	1000.0	1000.000	103.7	V	197.0	9.2	24.8	73.9
10981.663928	51.2	1000.0	1000.000	230.4	H	238.0	14.9	22.7	73.9
17860.227455	57.1	1000.0	1000.000	250.5	H	0.0	23.2	16.8	73.9

Average Data

Frequency (MHz)	Average (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
1615.926453	25.3	1000.0	1000.000	133.7	V	12.0	-5.3	28.6	53.9
2567.034269	30.5	1000.0	1000.000	219.4	V	81.0	0.0	23.4	53.9
3897.891583	32.3	1000.0	1000.000	201.5	V	179.0	5.0	21.6	53.9
6556.006212	37.5	1000.0	1000.000	165.6	V	279.0	11.3	16.4	53.9
6965.223848	35.8	1000.0	1000.000	103.7	V	197.0	9.2	18.1	53.9
10981.663928	38.1	1000.0	1000.000	230.4	H	238.0	14.9	15.8	53.9
17860.227455	44.8	1000.0	1000.000	250.5	H	0.0	23.2	9.1	53.9

Test Notes: Measurement was performed with a 2.4GHz notch filter. No significant emissions observed above 6GHz. Measurements above 6GHz are noise floor figures.

2.7.17 Test Results Above 1GHz (SISO 802.11g Channel 2)



Peak Data

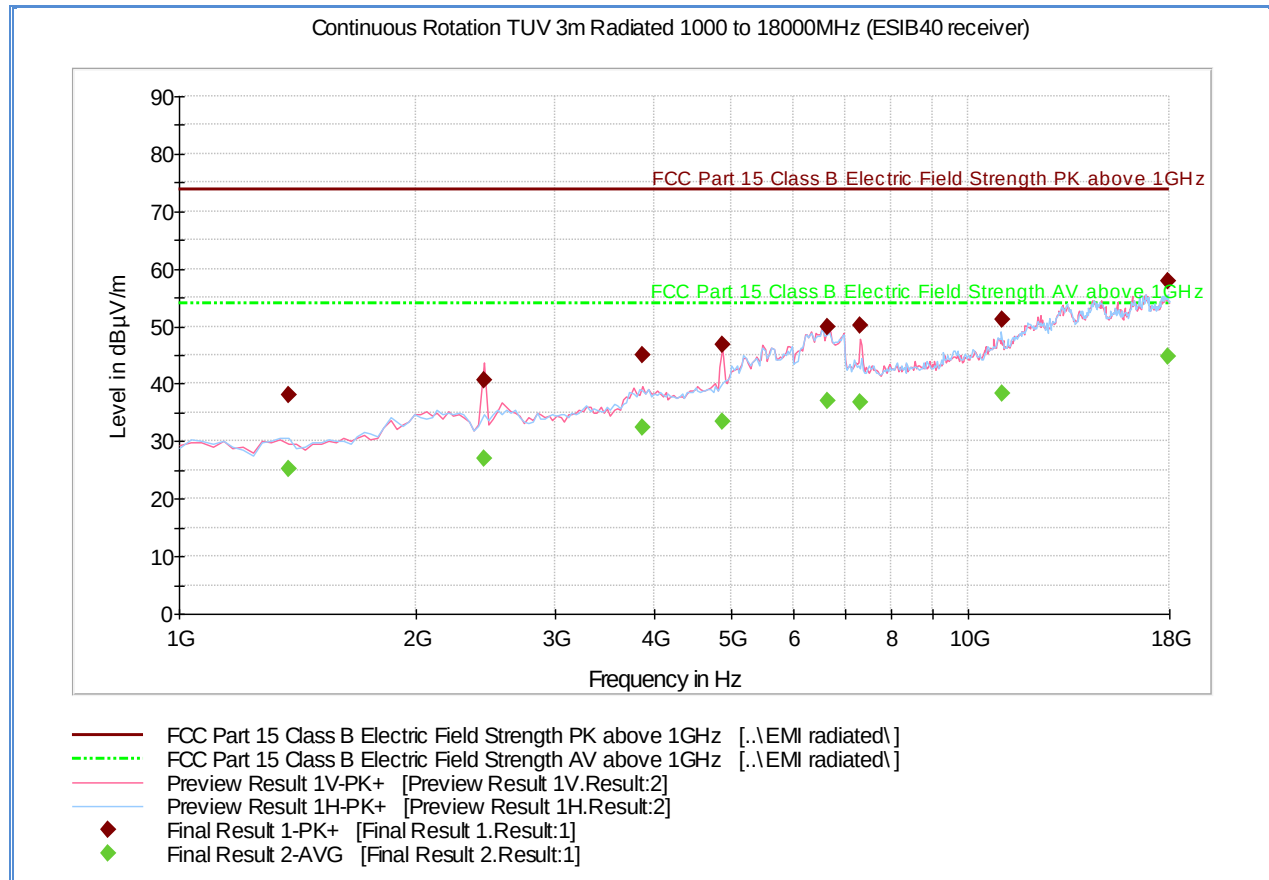
Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1314.113226	38.9	1000.0	1000.000	240.4	H	253.0	-5.5	35.0	73.9
2603.302405	44.5	1000.0	1000.000	405.2	V	0.0	0.0	29.4	73.9
3893.091583	45.0	1000.0	1000.000	151.2	H	74.0	5.0	28.9	73.9
5628.966533	46.5	1000.0	1000.000	405.2	V	115.0	7.9	27.4	73.9
6318.129259	49.4	1000.0	1000.000	302.2	H	159.0	10.5	24.5	73.9
6960.023848	48.9	1000.0	1000.000	240.4	H	241.0	9.2	25.0	73.9
17830.959319	57.5	1000.0	1000.000	396.1	V	65.0	23.2	16.4	73.9

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1314.113226	25.2	1000.0	1000.000	240.4	H	253.0	-5.5	28.7	53.9
2603.302405	31.1	1000.0	1000.000	405.2	V	0.0	0.0	22.8	53.9
3893.091583	32.3	1000.0	1000.000	151.2	H	74.0	5.0	21.6	53.9
5628.966533	34.1	1000.0	1000.000	405.2	V	115.0	7.9	19.8	53.9
6318.129259	37.1	1000.0	1000.000	302.2	H	159.0	10.5	16.8	53.9
6960.023848	35.9	1000.0	1000.000	240.4	H	241.0	9.2	18.0	53.9
17830.959319	44.9	1000.0	1000.000	396.1	V	65.0	23.2	9.0	53.9

Test Notes: Measurement was performed with a 2.4GHz notch filter. No significant emissions observed above 6GHz. Measurements above 6GHz are noise floor figures.

2.7.18 Test Results Above 1GHz (SISO 802.11g Channel 6)



Peak Data

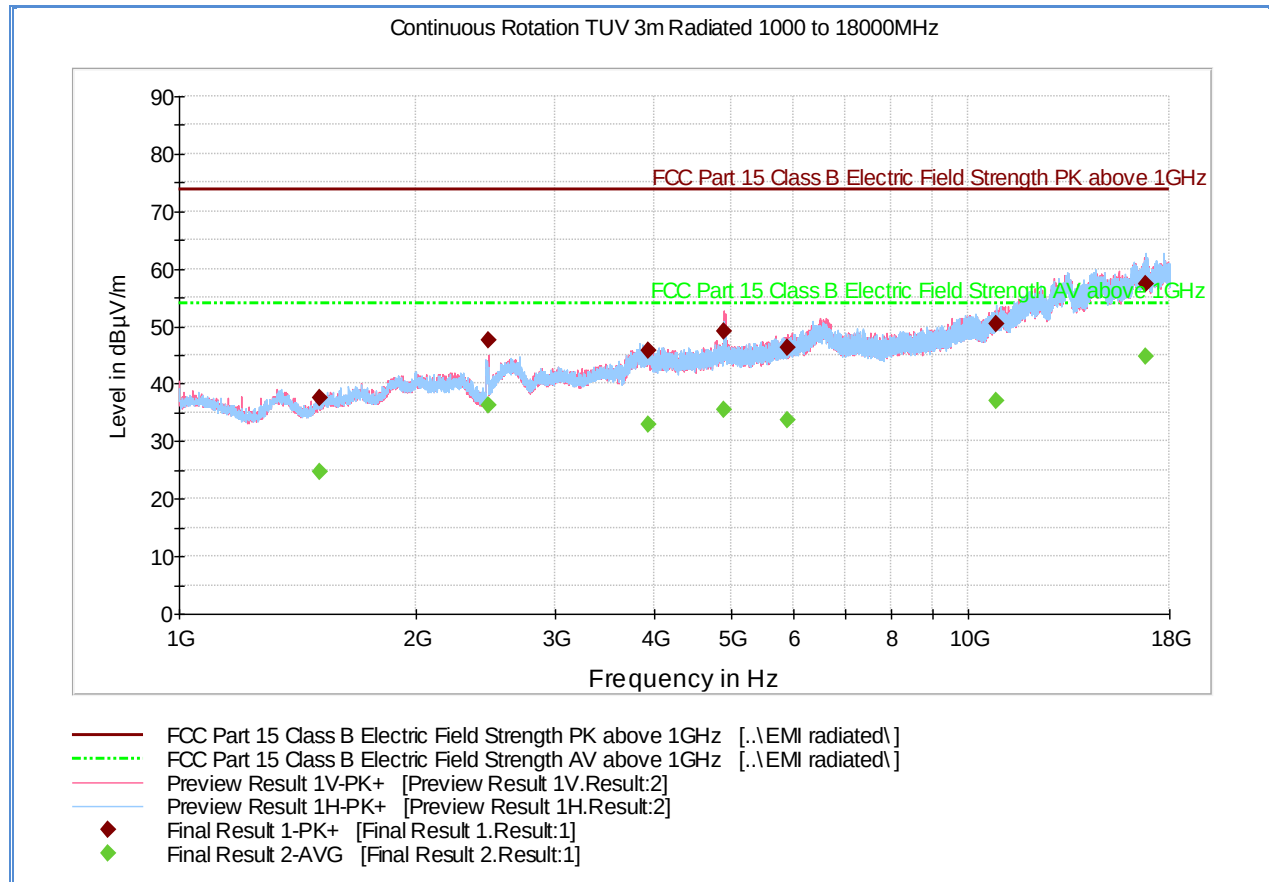
Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1374.849499	37.9	1000.0	1000.000	152.2	H	243.0	-5.6	36.0	73.9
2435.761723	40.7	1000.0	1000.000	140.7	V	282.0	-0.4	33.2	73.9
3862.223447	45.0	1000.0	1000.000	125.7	V	83.0	4.9	28.9	73.9
4882.267535	46.7	1000.0	1000.000	152.2	V	50.0	6.1	27.2	73.9
6621.742485	49.9	1000.0	1000.000	124.7	V	337.0	11.0	24.0	73.9
7307.505210	50.3	1000.0	1000.000	152.2	V	258.0	9.6	23.6	73.9
11023.332064	51.3	1000.0	1000.000	102.8	H	55.0	14.8	22.6	73.9
17894.295591	57.8	1000.0	1000.000	221.4	H	82.0	23.1	16.1	73.9

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1374.849499	25.1	1000.0	1000.000	152.2	H	243.0	-5.6	28.8	53.9
2435.761723	27.0	1000.0	1000.000	140.7	V	282.0	-0.4	26.9	53.9
3862.223447	32.4	1000.0	1000.000	125.7	V	83.0	4.9	21.5	53.9
4882.267535	33.4	1000.0	1000.000	152.2	V	50.0	6.1	20.5	53.9
6621.742485	36.9	1000.0	1000.000	124.7	V	337.0	11.0	17.0	53.9
7307.505210	36.8	1000.0	1000.000	152.2	V	258.0	9.6	17.1	53.9
11023.332064	38.3	1000.0	1000.000	102.8	H	55.0	14.8	15.6	53.9
17894.295591	44.7	1000.0	1000.000	221.4	H	82.0	23.1	9.2	53.9

Test Notes: Measurement was performed with a 2.4GHz notch filter. No significant emissions observed above 7GHz. Measurements above 7GHz are noise floor figures.

2.7.19 Test Results Above 1GHz (SISO 802.11g Channel 10)



Peak Data

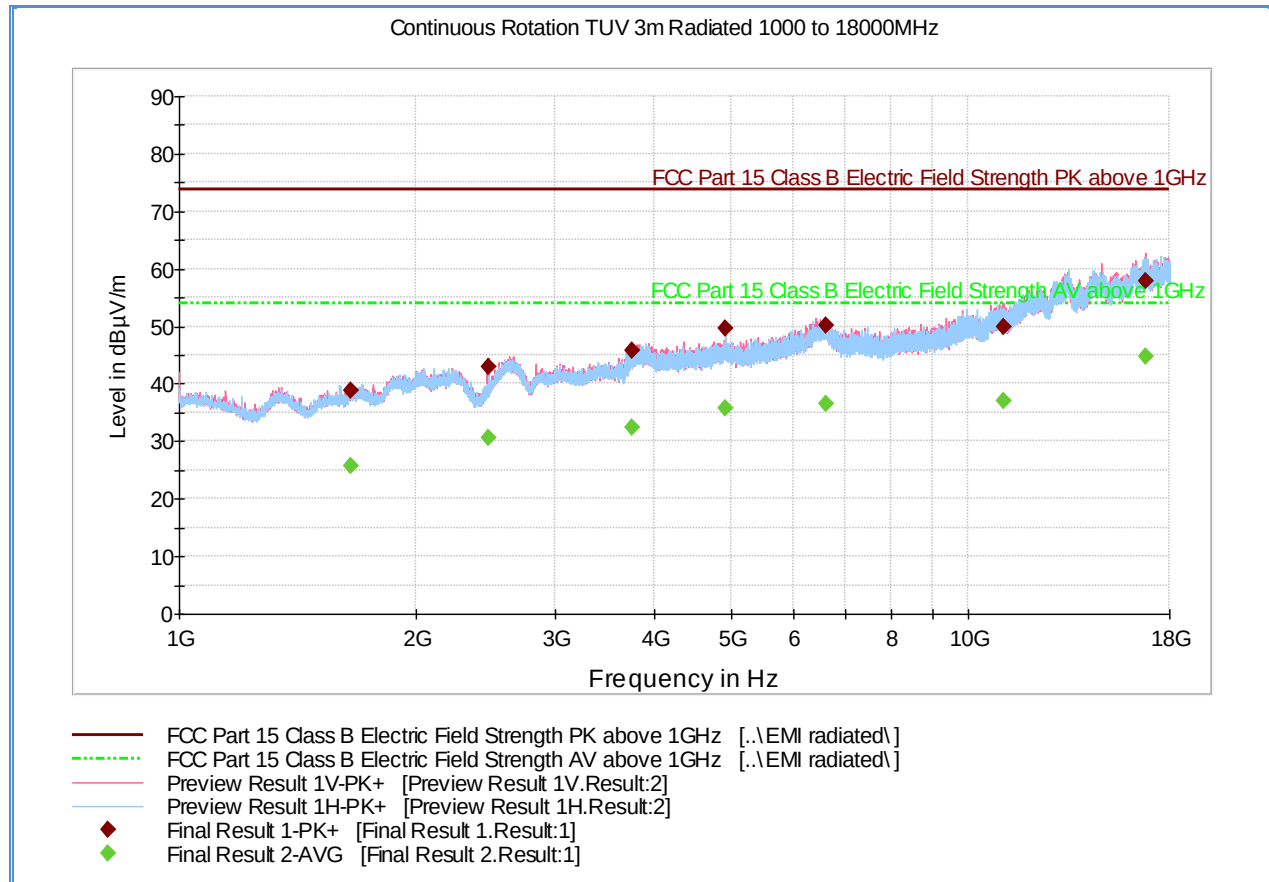
Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1504.700000	37.6	1000.0	1000.000	364.1	H	255.0	-5.7	36.3	73.9
2464.066667	47.5	1000.0	1000.000	181.6	V	286.0	-0.2	26.4	73.9
3934.000000	45.8	1000.0	1000.000	302.2	H	333.0	4.9	28.1	73.9
4911.366667	49.0	1000.0	1000.000	148.7	V	305.0	6.2	24.9	73.9
5900.900000	46.3	1000.0	1000.000	390.1	V	2.0	8.6	27.6	73.9
10862.133333	50.4	1000.0	1000.000	146.7	H	207.0	14.4	23.5	73.9
16787.866667	57.3	1000.0	1000.000	302.5	H	283.0	23.6	16.6	73.9

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1504.700000	24.6	1000.0	1000.000	364.1	H	255.0	-5.7	29.3	53.9
2464.066667	36.3	1000.0	1000.000	181.6	V	286.0	-0.2	17.6	53.9
3934.000000	32.9	1000.0	1000.000	302.2	H	333.0	4.9	21.0	53.9
4911.366667	35.5	1000.0	1000.000	148.7	V	305.0	6.2	18.4	53.9
5900.900000	33.7	1000.0	1000.000	390.1	V	2.0	8.6	20.2	53.9
10862.133333	37.0	1000.0	1000.000	146.7	H	207.0	14.4	16.9	53.9
16787.866667	44.7	1000.0	1000.000	302.5	H	283.0	23.6	9.2	53.9

Test Notes: Measurement was performed with a 2.4GHz notch filter. No significant emissions observed above 5GHz. Measurements above 5GHz are noise floor figures.

2.7.20 Test Results Above 1GHz (SISO 802.11g Channel 11)



Peak Data

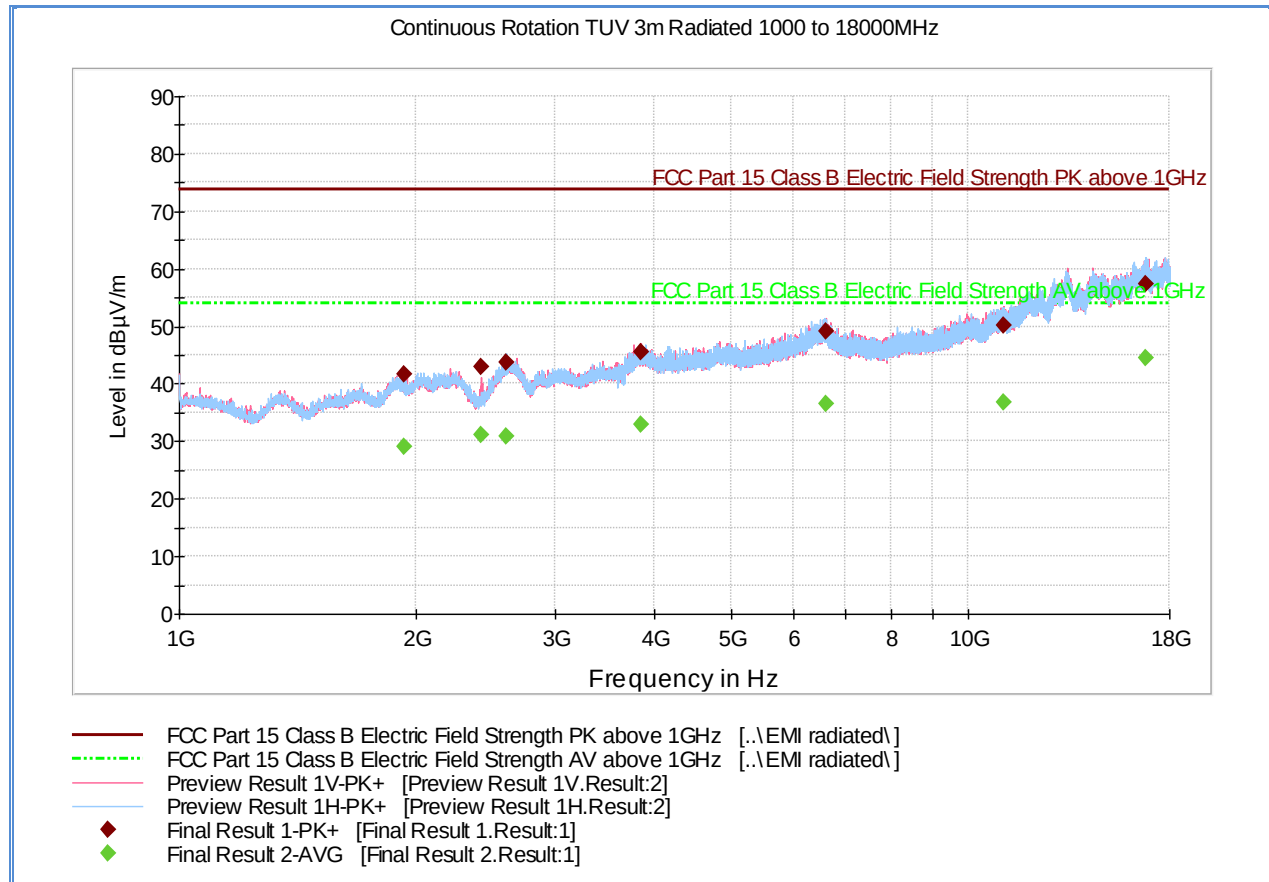
Frequency (MHz)	MaxPeak (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
1648.266667	38.8	1000.0	1000.000	156.6	V	189.0	-4.9	35.1	73.9
2464.233333	43.1	1000.0	1000.000	146.7	V	253.0	-0.2	30.8	73.9
3758.900000	45.8	1000.0	1000.000	403.5	H	184.0	4.6	28.1	73.9
4914.733333	49.6	1000.0	1000.000	310.2	V	9.0	6.2	24.3	73.9
6601.900000	50.2	1000.0	1000.000	301.6	H	49.0	11.2	23.7	73.9
11096.666667	50.0	1000.0	1000.000	390.1	V	109.0	14.5	23.9	73.9
16801.133333	58.0	1000.0	1000.000	237.4	V	20.0	23.7	15.9	73.9

Average Data

Frequency (MHz)	Average (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
1648.266667	25.6	1000.0	1000.000	156.6	V	189.0	-4.9	28.3	53.9
2464.233333	30.6	1000.0	1000.000	146.7	V	253.0	-0.2	23.3	53.9
3758.900000	32.3	1000.0	1000.000	403.5	H	184.0	4.6	21.6	53.9
4914.733333	35.7	1000.0	1000.000	310.2	V	9.0	6.2	18.2	53.9
6601.900000	36.5	1000.0	1000.000	301.6	H	49.0	11.2	17.4	53.9
11096.666667	36.9	1000.0	1000.000	390.1	V	109.0	14.5	17.0	53.9
16801.133333	44.8	1000.0	1000.000	237.4	V	20.0	23.7	9.1	53.9

Test Notes: Measurement was performed with a 2.4GHz notch filter. No significant emissions observed above 5GHz. Measurements above 5GHz are noise floor figures.

2.7.21 Test Results Above 1GHz (SISO 802.11n ht20 Channel 1)



Peak Data

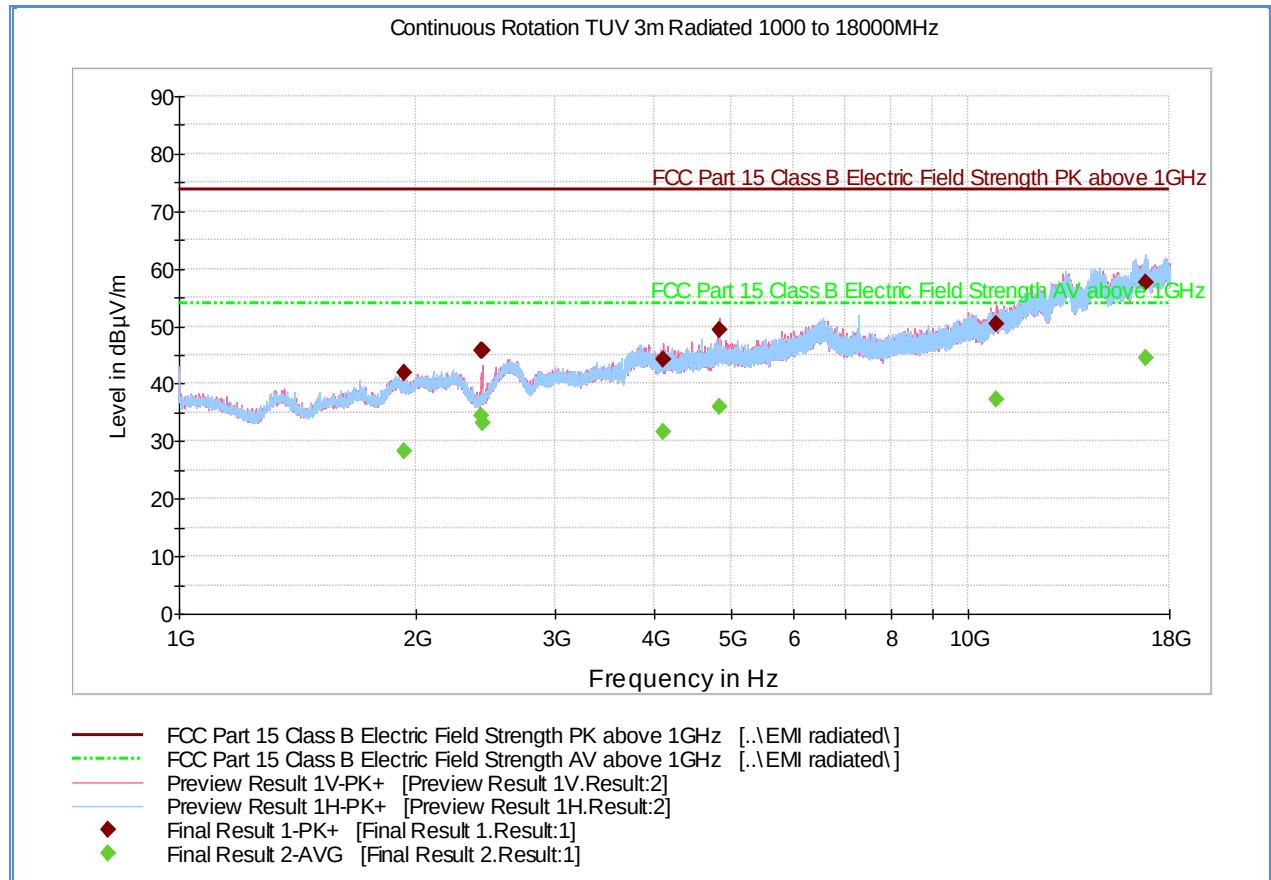
Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1932.566667	41.7	1000.0	1000.000	123.7	H	176.0	-2.0	32.2	73.9
2418.800000	42.9	1000.0	1000.000	124.7	V	299.0	-0.5	31.0	73.9
2601.533333	43.6	1000.0	1000.000	139.7	H	84.0	0.0	30.3	73.9
3852.466667	45.6	1000.0	1000.000	302.2	V	78.0	4.9	28.3	73.9
6605.666667	49.2	1000.0	1000.000	356.1	V	170.0	11.1	24.7	73.9
11085.166667	50.2	1000.0	1000.000	268.3	V	90.0	14.5	23.7	73.9
16822.833333	57.4	1000.0	1000.000	155.6	H	190.0	23.4	16.5	73.9

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1932.566667	29.0	1000.0	1000.000	123.7	H	176.0	-2.0	24.9	53.9
2418.800000	31.2	1000.0	1000.000	124.7	V	299.0	-0.5	22.7	53.9
2601.533333	30.9	1000.0	1000.000	139.7	H	84.0	0.0	23.0	53.9
3852.466667	32.9	1000.0	1000.000	302.2	V	78.0	4.9	21.0	53.9
6605.666667	36.5	1000.0	1000.000	356.1	V	170.0	11.1	17.4	53.9
11085.166667	36.8	1000.0	1000.000	268.3	V	90.0	14.5	17.1	53.9
16822.833333	44.5	1000.0	1000.000	155.6	H	190.0	23.4	9.4	53.9

Test Notes: Measurement was performed with a 2.4GHz notch filter. No significant emissions observed above 5GHz. Measurements above 5GHz are noise floor figures.

2.7.22 Test Results Above 1GHz (SISO 802.11n ht20 Channel 2)



Peak Data

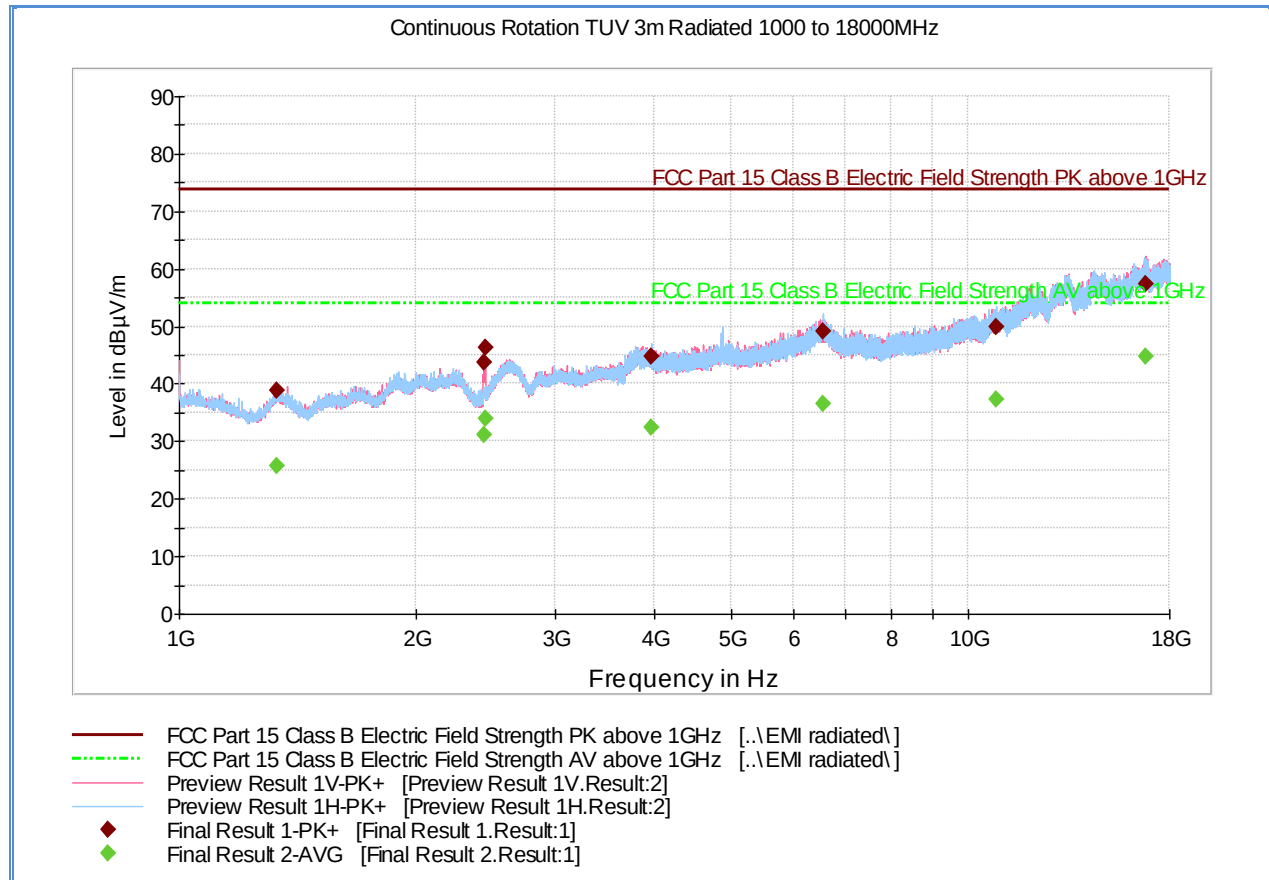
Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1932.366667	42.0	1000.0	1000.000	321.1	H	211.0	-2.0	31.9	73.9
2418.233333	45.8	1000.0	1000.000	148.7	V	300.0	-0.5	28.1	73.9
2420.766667	45.8	1000.0	1000.000	182.6	V	305.0	-0.5	28.1	73.9
4108.033333	44.1	1000.0	1000.000	201.5	V	98.0	5.1	29.8	73.9
4832.733333	49.4	1000.0	1000.000	228.4	V	321.0	5.8	24.5	73.9
10873.266667	50.5	1000.0	1000.000	124.7	V	220.0	14.5	23.4	73.9
16814.900000	57.7	1000.0	1000.000	139.7	H	0.0	23.5	16.2	73.9

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1932.366667	28.2	1000.0	1000.000	321.1	H	211.0	-2.0	25.7	53.9
2418.233333	34.4	1000.0	1000.000	148.7	V	300.0	-0.5	19.5	53.9
2420.766667	33.3	1000.0	1000.000	182.6	V	305.0	-0.5	20.6	53.9
4108.033333	31.6	1000.0	1000.000	201.5	V	98.0	5.1	22.3	53.9
4832.733333	35.9	1000.0	1000.000	228.4	V	321.0	5.8	18.0	53.9
10873.266667	37.2	1000.0	1000.000	124.7	V	220.0	14.5	16.7	53.9
16814.900000	44.5	1000.0	1000.000	139.7	H	0.0	23.5	9.4	53.9

Test Notes: Measurement was performed with a 2.4GHz notch filter. No significant emissions observed above 8GHz. Measurements above 8GHz are noise floor figures.

2.7.23 Test Results Above 1GHz (SISO 802.11n ht20 Channel 6)



Peak Data

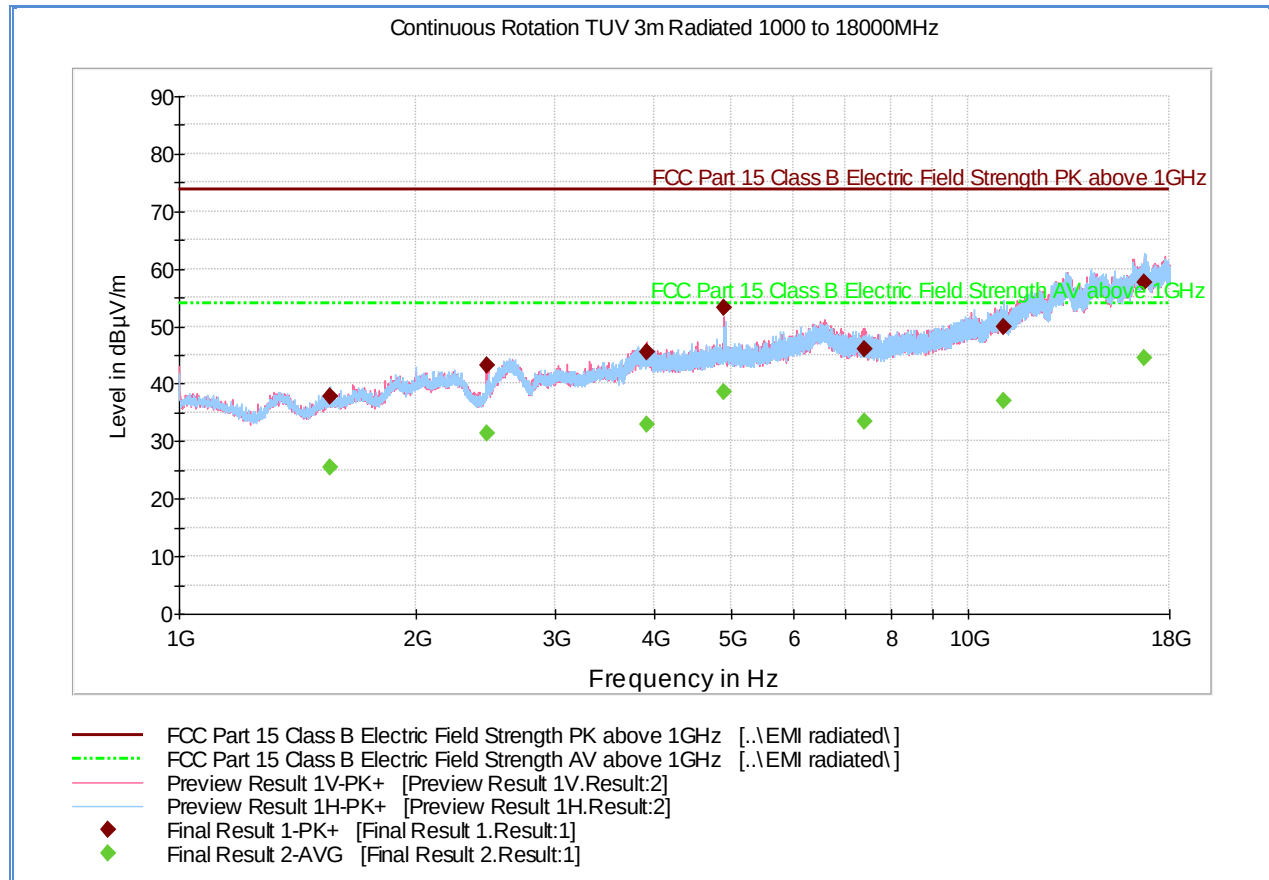
Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1331.733333	38.8	1000.0	1000.000	403.5	H	262.0	-5.5	35.1	73.9
2436.466667	43.8	1000.0	1000.000	180.6	V	258.0	-0.4	30.1	73.9
2440.666667	46.2	1000.0	1000.000	148.7	V	298.0	-0.3	27.7	73.9
3973.166667	44.8	1000.0	1000.000	103.7	H	162.0	4.8	29.1	73.9
6562.033333	49.2	1000.0	1000.000	130.7	H	-16.0	11.3	24.7	73.9
10859.233333	49.8	1000.0	1000.000	174.6	H	142.0	14.4	24.1	73.9
16796.033333	57.4	1000.0	1000.000	278.3	V	226.0	23.7	16.5	73.9

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1331.733333	25.6	1000.0	1000.000	403.5	H	262.0	-5.5	28.3	53.9
2436.466667	31.0	1000.0	1000.000	180.6	V	258.0	-0.4	22.9	53.9
2440.666667	33.9	1000.0	1000.000	148.7	V	298.0	-0.3	20.0	53.9
3973.166667	32.3	1000.0	1000.000	103.7	H	162.0	4.8	21.6	53.9
6562.033333	36.5	1000.0	1000.000	130.7	H	-16.0	11.3	17.4	53.9
10859.233333	37.3	1000.0	1000.000	174.6	H	142.0	14.4	16.6	53.9
16796.033333	44.7	1000.0	1000.000	278.3	V	226.0	23.7	9.2	53.9

Test Notes: Measurement was performed with a 2.4GHz notch filter. No significant emissions observed above 7GHz. Measurements above 7GHz are noise floor figures.

2.7.24 Test Results Above 1GHz (SISO 802.11n ht20 Channel 10)



Peak Data

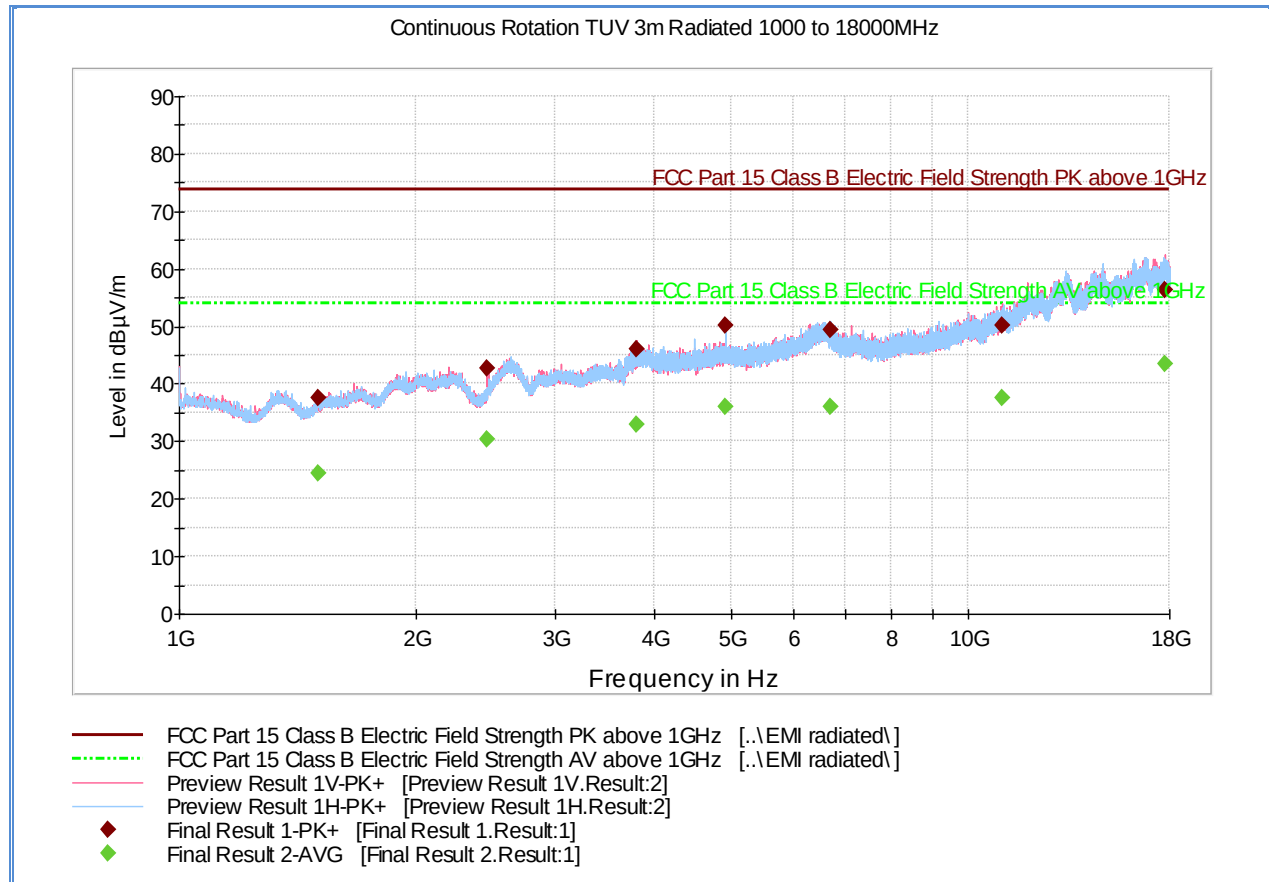
Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1552.166667	37.9	1000.0	1000.000	322.2	H	339.0	-5.6	36.0	73.9
2458.266667	43.3	1000.0	1000.000	103.7	V	57.0	-0.2	30.6	73.9
3913.033333	45.4	1000.0	1000.000	312.2	V	252.0	5.0	28.5	73.9
4912.066667	53.2	1000.0	1000.000	162.6	V	345.0	6.2	20.7	73.9
7401.866667	46.1	1000.0	1000.000	202.3	V	122.0	9.2	27.8	73.9
11081.766667	50.0	1000.0	1000.000	403.5	H	3.0	14.6	23.9	73.9
16757.866667	57.5	1000.0	1000.000	203.3	H	3.0	23.4	16.4	73.9

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1552.166667	25.3	1000.0	1000.000	322.2	H	339.0	-5.6	28.6	53.9
2458.266667	31.4	1000.0	1000.000	103.7	V	57.0	-0.2	22.5	53.9
3913.033333	32.8	1000.0	1000.000	312.2	V	252.0	5.0	21.1	53.9
4912.066667	38.5	1000.0	1000.000	162.6	V	345.0	6.2	15.4	53.9
7401.866667	33.4	1000.0	1000.000	202.3	V	122.0	9.2	20.5	53.9
11081.766667	37.0	1000.0	1000.000	403.5	H	3.0	14.6	16.9	53.9
16757.866667	44.6	1000.0	1000.000	203.3	H	3.0	23.4	9.3	53.9

Test Notes: Measurement was performed with a 2.4GHz notch filter. No significant emissions observed above 8GHz. Measurements above 8GHz are noise floor figures.

2.7.25 Test Results Above 1GHz (SISO 802.11n ht20 Channel 11)



Peak Data

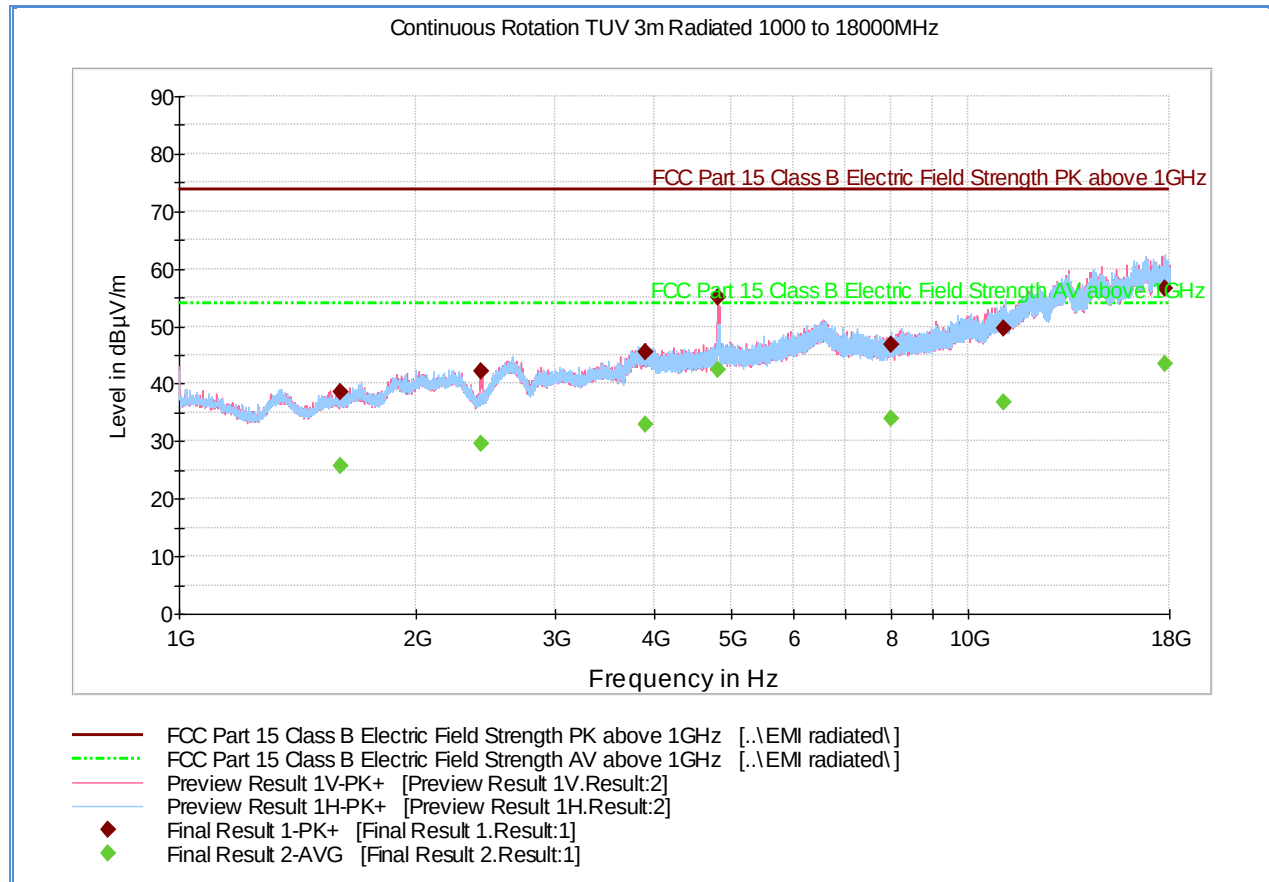
Frequency (MHz)	MaxPeak (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
1500.200000	37.5	1000.0	1000.000	366.1	H	214.0	-5.7	36.4	73.9
2461.000000	42.6	1000.0	1000.000	200.5	V	246.0	-0.2	31.3	73.9
3800.600000	46.1	1000.0	1000.000	202.3	V	292.0	4.9	27.8	73.9
4923.233333	50.2	1000.0	1000.000	344.1	H	54.0	6.2	23.7	73.9
6678.766667	49.3	1000.0	1000.000	403.5	H	310.0	10.8	24.6	73.9
11047.366667	50.1	1000.0	1000.000	303.2	V	2.0	14.7	23.8	73.9
17783.366667	56.4	1000.0	1000.000	299.2	V	162.0	23.3	17.5	73.9

Average Data

Frequency (MHz)	Average (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
1500.200000	24.4	1000.0	1000.000	366.1	H	214.0	-5.7	29.5	53.9
2461.000000	30.4	1000.0	1000.000	200.5	V	246.0	-0.2	23.5	53.9
3800.600000	33.0	1000.0	1000.000	202.3	V	292.0	4.9	20.9	53.9
4923.233333	35.9	1000.0	1000.000	344.1	H	54.0	6.2	18.0	53.9
6678.766667	36.1	1000.0	1000.000	403.5	H	310.0	10.8	17.8	53.9
11047.366667	37.4	1000.0	1000.000	303.2	V	2.0	14.7	16.5	53.9
17783.366667	43.4	1000.0	1000.000	299.2	V	162.0	23.3	10.5	53.9

Test Notes: Measurement was performed with a 2.4GHz notch filter. No significant emissions observed above 8GHz. Measurements above 8GHz are noise floor figures.

2.7.26 Test Results Above 1GHz (MIMO 802.11n ht20 Channel 1)



Peak Data

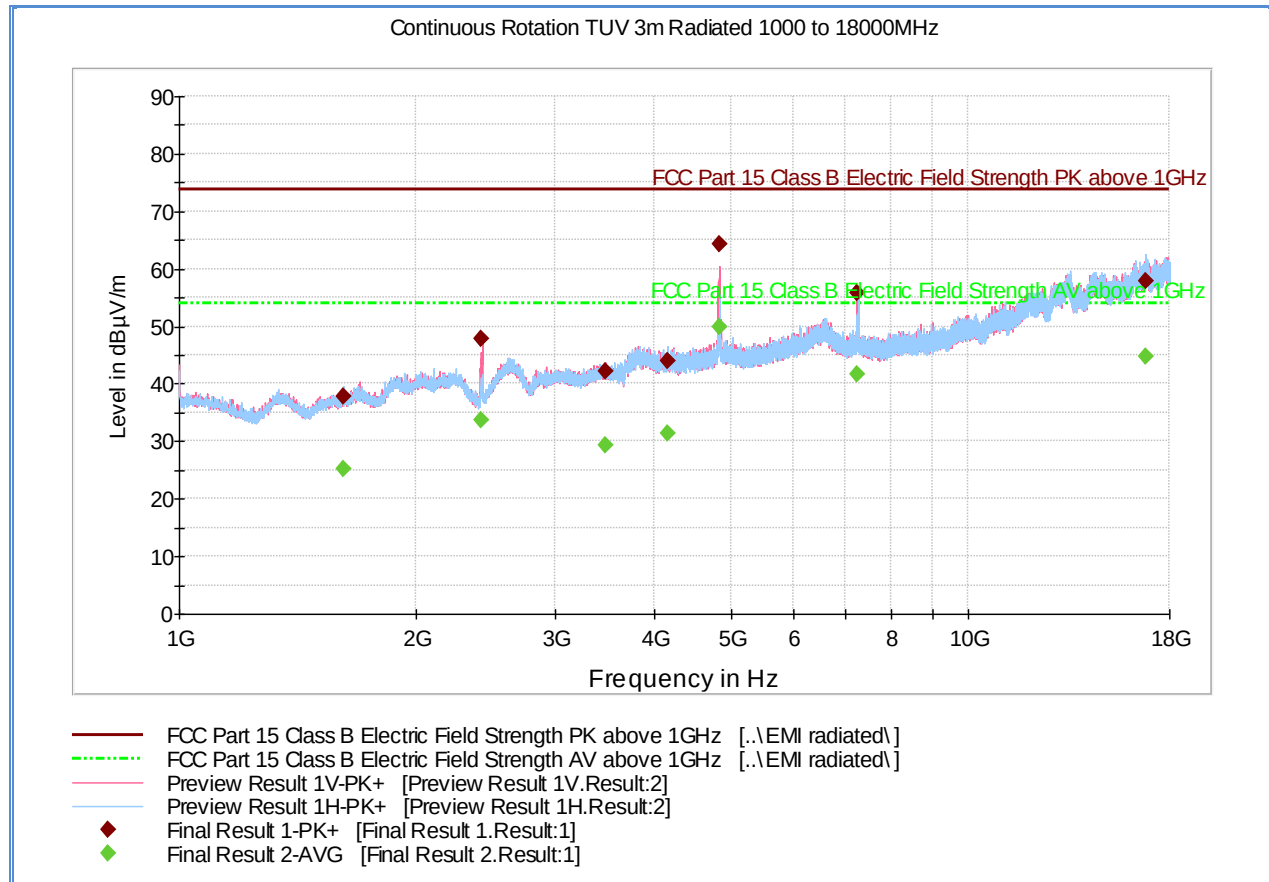
Frequency (MHz)	MaxPeak (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
1599.900000	38.5	1000.0	1000.000	301.6	H	144.0	-5.5	35.4	73.9
2412.933333	42.2	1000.0	1000.000	103.7	V	287.0	-0.5	31.8	73.9
3907.966667	45.5	1000.0	1000.000	202.3	V	167.0	5.0	28.4	73.9
4822.933333	55.0	1000.0	1000.000	311.2	V	22.0	5.7	18.9	73.9
7998.566667	46.9	1000.0	1000.000	174.6	H	198.0	9.4	27.0	73.9
11104.066667	49.6	1000.0	1000.000	302.2	V	16.0	14.5	24.3	73.9
17748.200000	56.5	1000.0	1000.000	355.1	H	51.0	23.2	17.4	73.9

Average Data

Frequency (MHz)	Average (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
1599.900000	25.8	1000.0	1000.000	301.6	H	144.0	-5.5	28.1	53.9
2412.933333	29.6	1000.0	1000.000	103.7	V	287.0	-0.5	24.3	53.9
3907.966667	32.8	1000.0	1000.000	202.3	V	167.0	5.0	21.1	53.9
4822.933333	42.4	1000.0	1000.000	311.2	V	22.0	5.7	11.5	53.9
7998.566667	34.1	1000.0	1000.000	174.6	H	198.0	9.4	19.8	53.9
11104.066667	36.8	1000.0	1000.000	302.2	V	16.0	14.5	17.1	53.9
17748.200000	43.6	1000.0	1000.000	355.1	H	51.0	23.2	10.3	53.9

Test Notes: Measurement was performed with a 2.4GHz notch filter. No significant emissions observed above 5GHz. Measurements above 5GHz are noise floor figures.

2.7.27 Test Results Above 1GHz (MIMO 802.11n ht20 Channel 2)



Peak Data

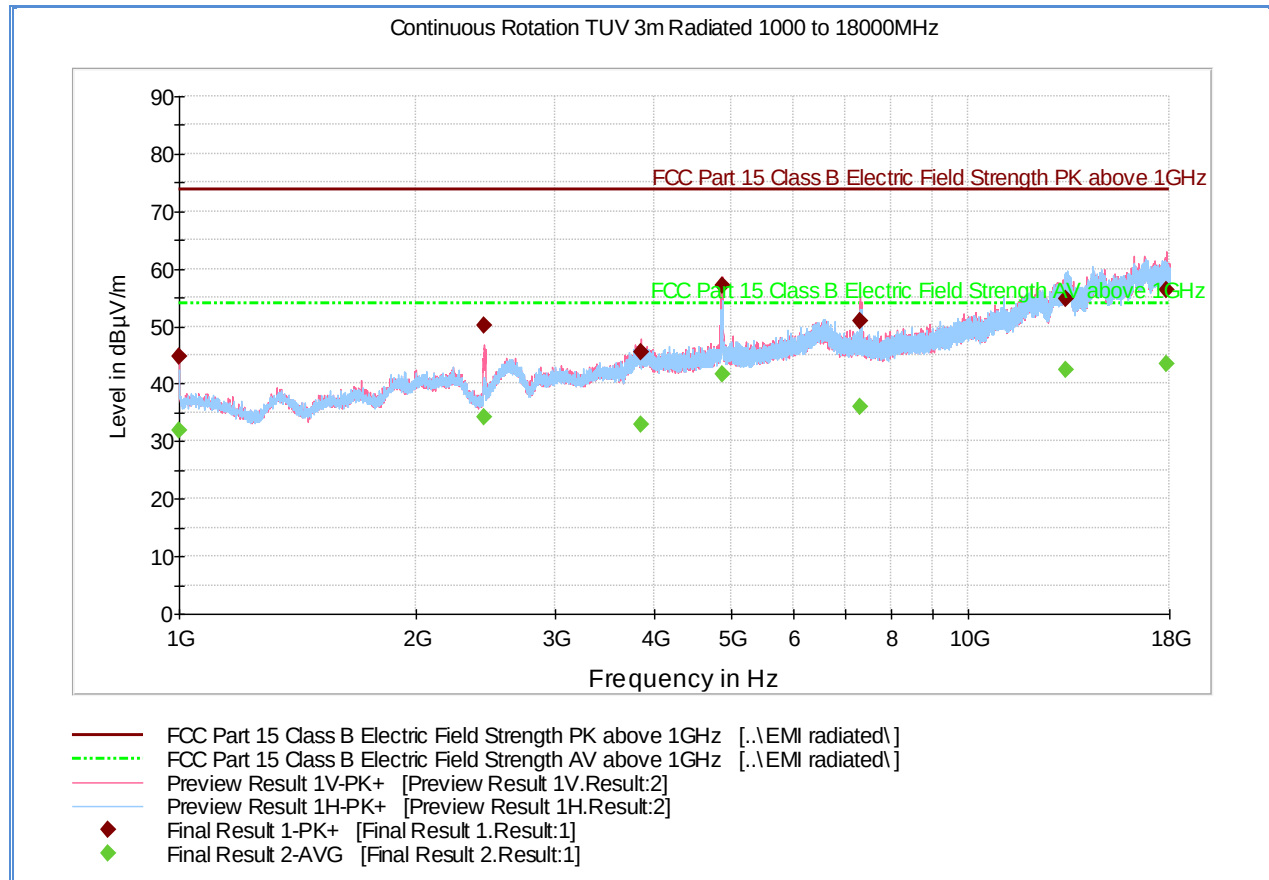
Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1618.466667	37.9	1000.0	1000.000	208.5	H	244.0	-5.3	36.0	73.9
2418.000000	47.9	1000.0	1000.000	153.7	V	300.0	-0.5	26.0	73.9
3477.133333	42.2	1000.0	1000.000	122.7	V	270.0	1.6	31.7	73.9
4155.600000	43.9	1000.0	1000.000	228.4	H	88.0	5.0	30.0	73.9
4847.333333	64.3	1000.0	1000.000	136.7	V	297.0	5.9	9.6	73.9
7242.366667	55.9	1000.0	1000.000	161.6	V	292.0	9.6	18.0	73.9
16785.833333	57.8	1000.0	1000.000	168.6	V	314.0	23.6	16.1	73.9

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1618.466667	25.3	1000.0	1000.000	208.5	H	244.0	-5.3	28.6	53.9
2418.000000	33.7	1000.0	1000.000	153.7	V	300.0	-0.5	20.2	53.9
3477.133333	29.4	1000.0	1000.000	122.7	V	270.0	1.6	24.5	53.9
4155.600000	31.5	1000.0	1000.000	228.4	H	88.0	5.0	22.4	53.9
4847.333333	49.8	1000.0	1000.000	136.7	V	297.0	5.9	4.1	53.9
7242.366667	41.6	1000.0	1000.000	161.6	V	292.0	9.6	12.3	53.9
16785.833333	44.8	1000.0	1000.000	168.6	V	314.0	23.6	9.1	53.9

Test Notes: Measurement was performed with a 2.4GHz notch filter. No significant emissions observed above 8GHz. Measurements above 8GHz are noise floor figures.

2.7.28 Test Results Above 1GHz (MIMO 802.11n ht20 Channel 6)



Peak Data

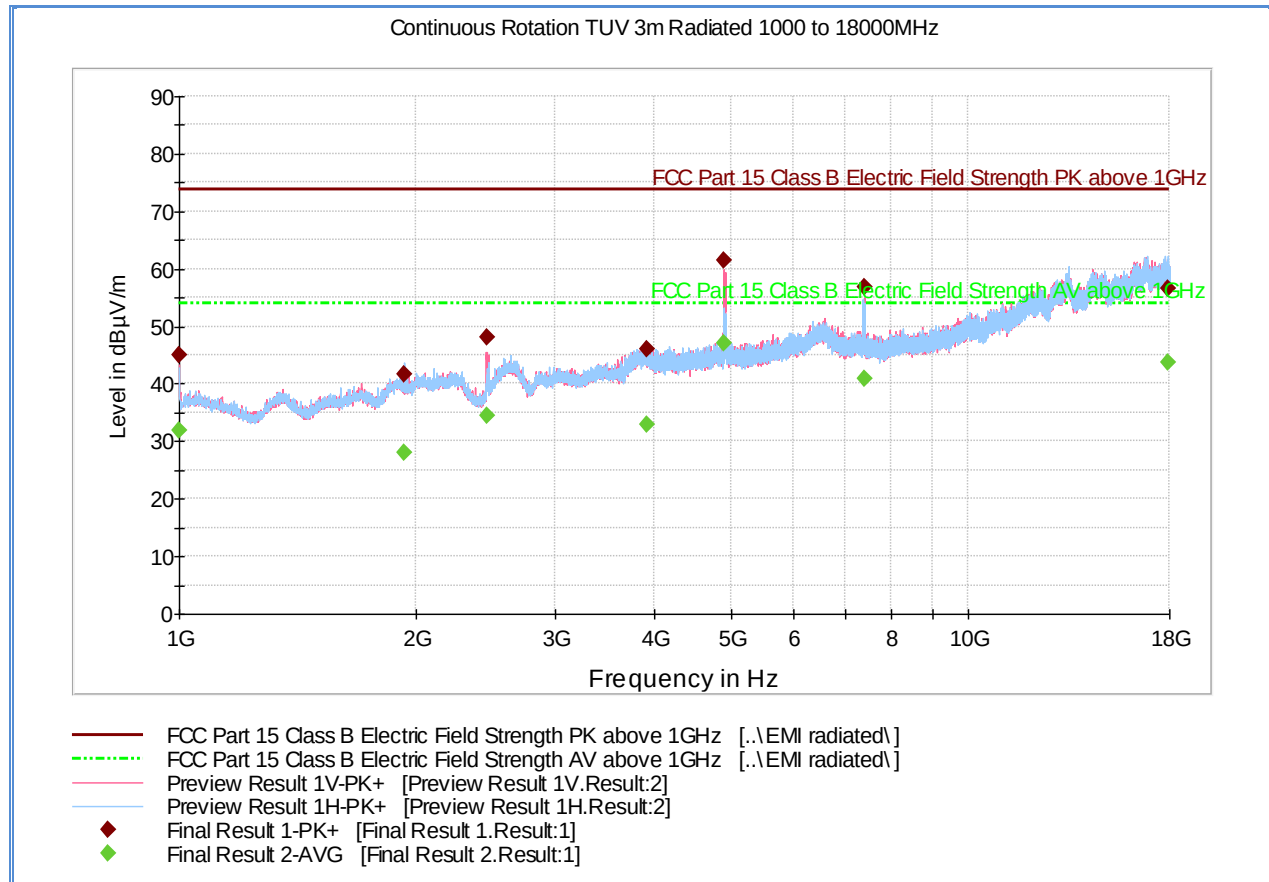
Frequency (MHz)	MaxPeak (dB μ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dB μ V/m)
1000.000000	44.9	1000.0	1000.000	208.5	V	112.0	-7.4	29.0	73.9
2432.900000	50.0	1000.0	1000.000	125.7	V	283.0	-0.4	23.9	73.9
3843.000000	45.6	1000.0	1000.000	202.3	V	196.0	4.9	28.3	73.9
4873.133333	57.2	1000.0	1000.000	124.7	V	291.0	6.0	16.7	73.9
7306.100000	50.9	1000.0	1000.000	268.3	V	305.0	9.6	23.0	73.9
13301.766667	54.7	1000.0	1000.000	201.5	H	16.0	20.0	19.2	73.9
17820.366667	56.4	1000.0	1000.000	403.4	V	351.0	23.3	17.5	73.9

Average Data

Frequency (MHz)	Average (dB μ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dB μ V/m)
1000.000000	31.9	1000.0	1000.000	208.5	V	112.0	-7.4	22.0	53.9
2432.900000	34.2	1000.0	1000.000	125.7	V	283.0	-0.4	19.7	53.9
3843.000000	33.0	1000.0	1000.000	202.3	V	196.0	4.9	20.9	53.9
4873.133333	41.8	1000.0	1000.000	124.7	V	291.0	6.0	12.1	53.9
7306.100000	36.0	1000.0	1000.000	268.3	V	305.0	9.6	17.9	53.9
13301.766667	42.4	1000.0	1000.000	201.5	H	16.0	20.0	11.5	53.9
17820.366667	43.6	1000.0	1000.000	403.4	V	351.0	23.3	10.3	53.9

Test Notes: Measurement was performed with a 2.4GHz notch filter. No significant emissions observed above 8GHz. Measurements above 8GHz are noise floor figures.

2.7.29 Test Results Above 1GHz (MIMO 802.11n ht20 Channel 10)



Peak Data

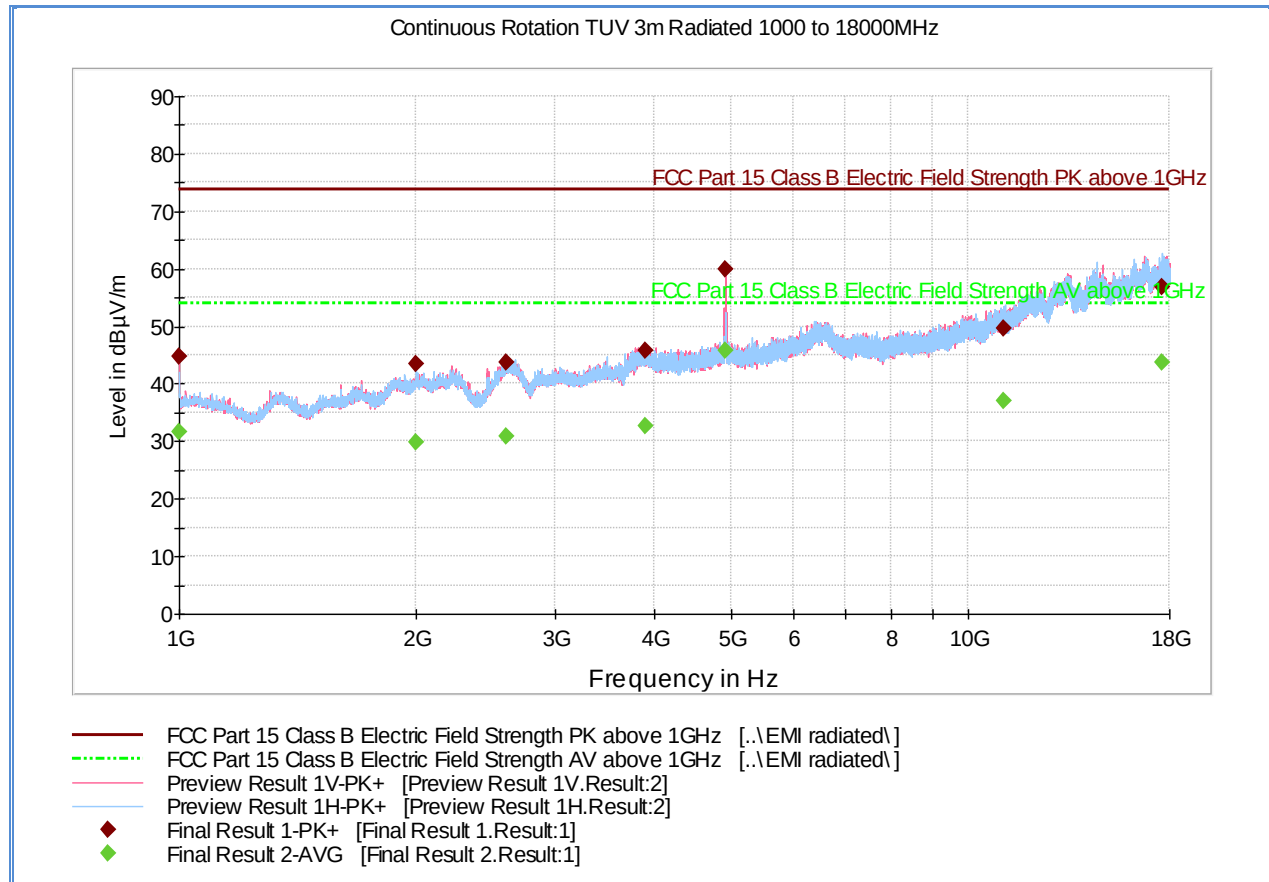
Frequency (MHz)	MaxPeak (dB μ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dB μ V/m)
1000.000000	45.1	1000.0	1000.000	199.5	V	272.0	-7.4	28.8	73.9
1932.166667	41.7	1000.0	1000.000	367.1	H	190.0	-2.0	32.2	73.9
2451.066667	48.1	1000.0	1000.000	148.7	V	299.0	-0.3	25.8	73.9
3921.766667	46.1	1000.0	1000.000	102.7	H	20.0	5.0	27.8	73.9
4910.366667	61.4	1000.0	1000.000	103.7	V	311.0	6.2	12.5	73.9
7376.133333	56.8	1000.0	1000.000	156.6	V	290.0	9.4	17.1	73.9
17899.566667	56.6	1000.0	1000.000	267.3	H	274.0	23.1	17.3	73.9

Average Data

Frequency (MHz)	Average (dB μ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dB μ V/m)
1000.000000	32.0	1000.0	1000.000	199.5	V	272.0	-7.4	21.9	53.9
1932.166667	28.1	1000.0	1000.000	367.1	H	190.0	-2.0	25.8	53.9
2451.066667	34.5	1000.0	1000.000	148.7	V	299.0	-0.3	19.4	53.9
3921.766667	32.8	1000.0	1000.000	102.7	H	20.0	5.0	21.1	53.9
4910.366667	47.1	1000.0	1000.000	103.7	V	311.0	6.2	6.8	53.9
7376.133333	41.0	1000.0	1000.000	156.6	V	290.0	9.4	12.9	53.9
17899.566667	43.7	1000.0	1000.000	267.3	H	274.0	23.1	10.2	53.9

Test Notes: Measurement was performed with a 2.4GHz notch filter. No significant emissions observed above 8GHz. Measurements above 8GHz are noise floor figures.

2.7.30 Test Results Above 1GHz (MIMO 802.11n ht20 Channel 11)



Peak Data

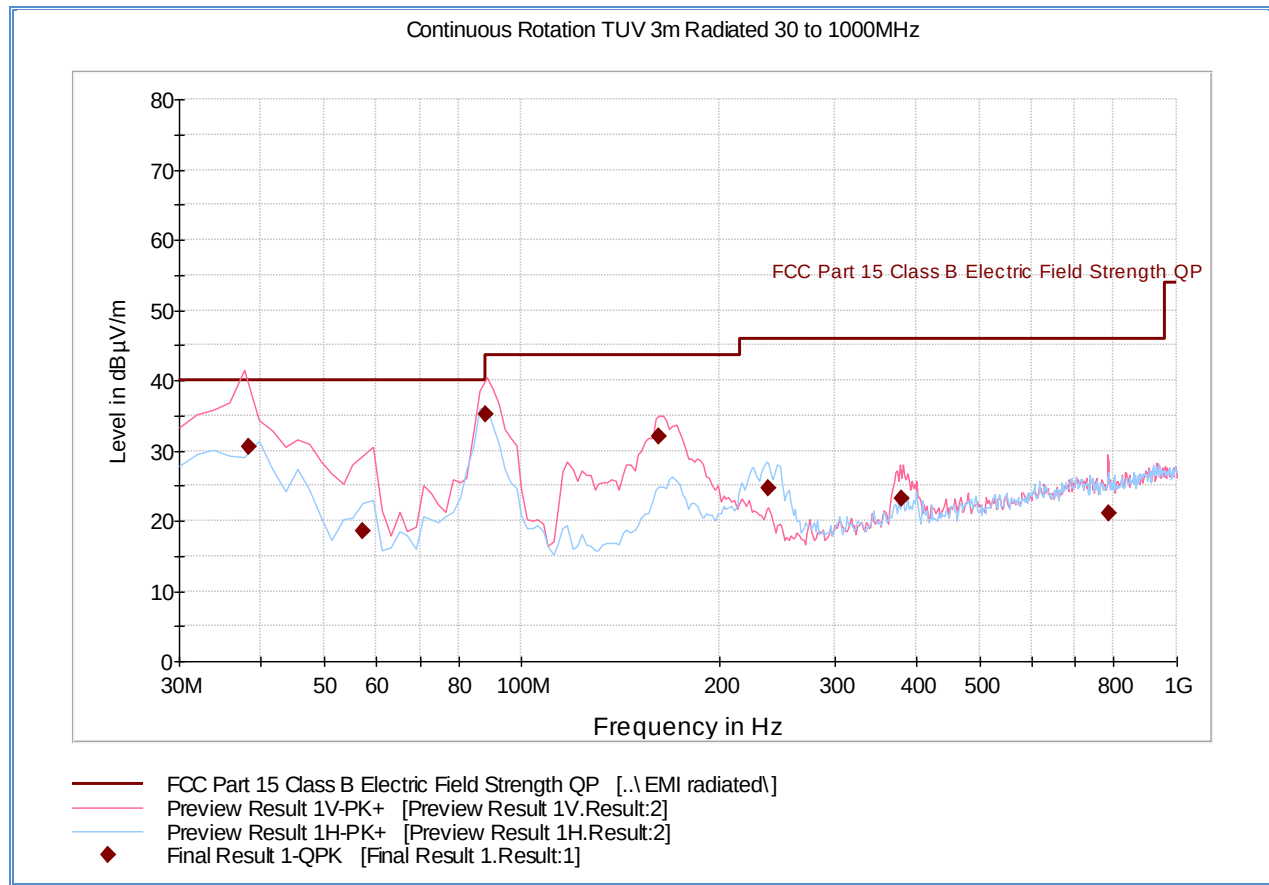
Frequency (MHz)	MaxPeak (dB μ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dB μ V/m)
1000.000000	44.7	1000.0	1000.000	189.5	V	165.0	-7.4	29.2	73.9
1999.800000	43.5	1000.0	1000.000	289.2	H	20.0	-1.6	30.4	73.9
2593.466667	43.6	1000.0	1000.000	101.7	V	137.0	0.0	30.3	73.9
3907.933333	45.8	1000.0	1000.000	201.5	H	267.0	5.0	28.1	73.9
4923.833333	59.9	1000.0	1000.000	136.7	V	20.0	6.2	14.0	73.9
11077.600000	49.7	1000.0	1000.000	103.7	H	28.0	14.6	24.2	73.9
17608.833333	56.8	1000.0	1000.000	300.2	H	345.0	22.7	17.1	73.9

Average Data

Frequency (MHz)	Average (dB μ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dB μ V/m)
1000.000000	31.5	1000.0	1000.000	189.5	V	165.0	-7.4	22.4	53.9
1999.800000	29.7	1000.0	1000.000	289.2	H	20.0	-1.6	24.2	53.9
2593.466667	30.9	1000.0	1000.000	101.7	V	137.0	0.0	23.0	53.9
3907.933333	32.8	1000.0	1000.000	201.5	H	267.0	5.0	21.1	53.9
4923.833333	45.7	1000.0	1000.000	136.7	V	20.0	6.2	8.2	53.9
11077.600000	36.9	1000.0	1000.000	103.7	H	28.0	14.6	17.0	53.9
17608.833333	43.7	1000.0	1000.000	300.2	H	345.0	22.7	10.2	53.9

Test Notes: Measurement was performed with a 2.4GHz notch filter. No significant emissions observed above 5GHz. Measurements above 5GHz are noise floor figures.

**2.7.31 Test Results Below 1GHz (Tx – MIMO Mode)_Worst Case Configuration
802.11n 5GHz(HT20)_High(165) Channel (5825MHz)_6.5Mbps Data Rate**

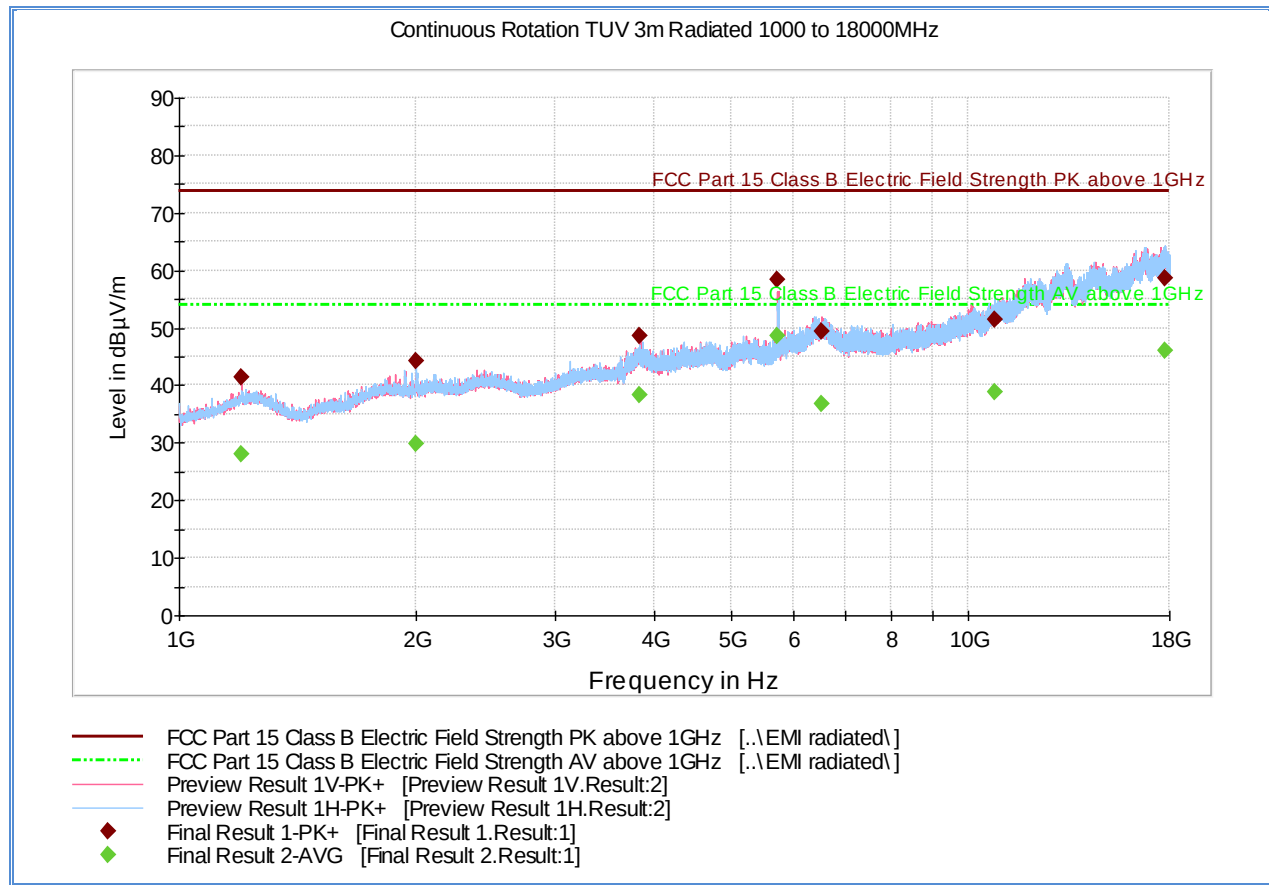


Quasi Peak Data

Frequency (MHz)	QuasiPeak (dB μ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dB μ V/m)
38.295551	30.5	1000.0	120.000	100.0	V	214.0	-14.9	9.5	40.0
57.038317	18.5	1000.0	120.000	105.0	V	103.0	-20.3	21.5	40.0
88.156633	35.1	1000.0	120.000	100.0	V	100.0	-20.3	8.4	43.5
162.064369	32.0	1000.0	120.000	100.0	V	138.0	-17.3	11.5	43.5
237.652104	24.7	1000.0	120.000	122.0	H	-8.0	-13.5	21.3	46.0
379.723687	23.2	1000.0	120.000	100.0	V	220.0	-8.6	22.8	46.0
786.028457	21.0	1000.0	120.000	183.0	V	84.0	-0.1	25.0	46.0

Test Notes: Only worst case channel presented for spurious emissions below 1GHz.

2.7.32 Test Results Above 1GHz (Tx – SISO Mode)_Worst Case Configuration 802.11a 5GHz_Low(149) Channel (5745MHz)_6Mbps Data Rate



Peak Data

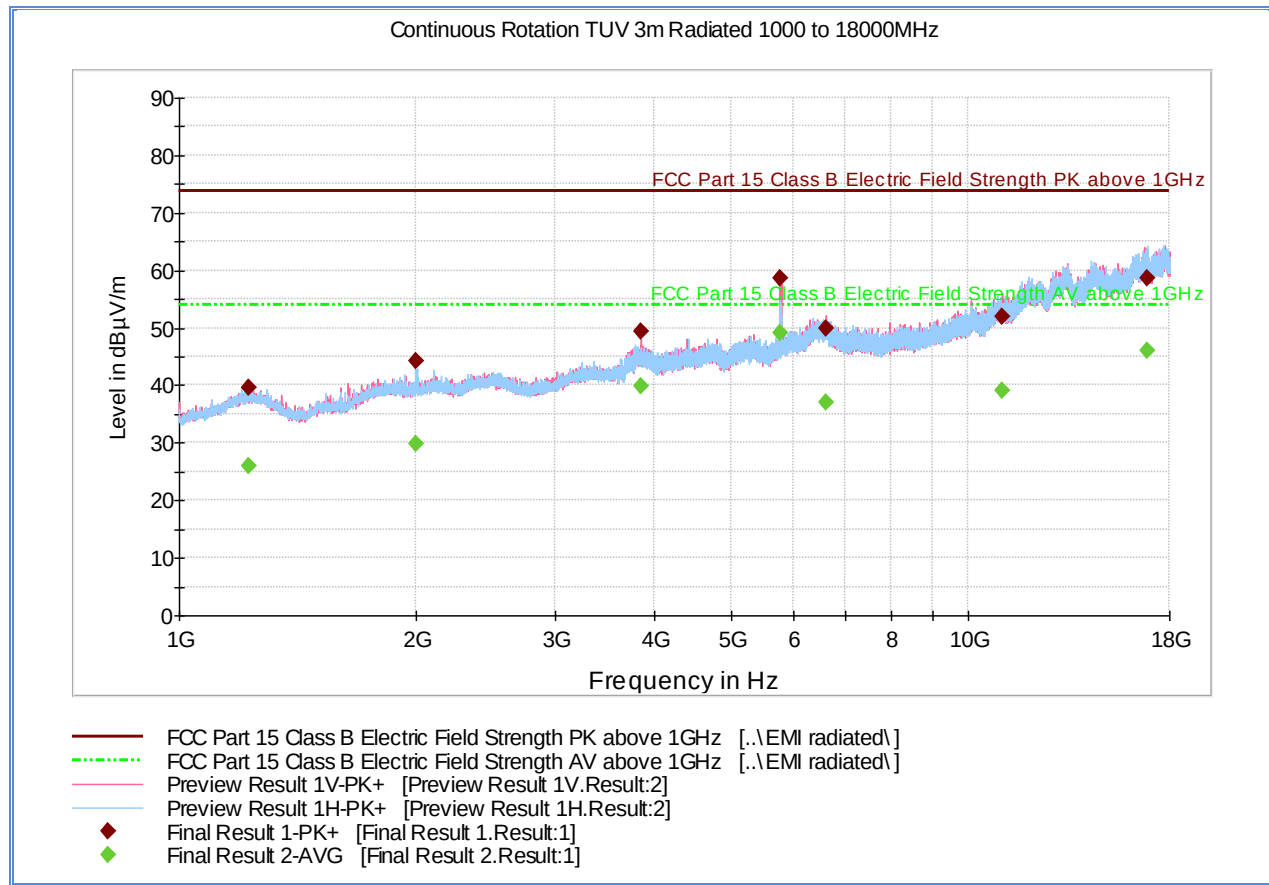
Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1199.833333	41.4	1000.0	1000.000	131.7	V	271.0	-5.7	32.5	73.9
2000.400000	44.2	1000.0	1000.000	300.2	H	310.0	-1.0	29.7	73.9
3830.166667	48.5	1000.0	1000.000	189.5	V	70.0	6.1	25.4	73.9
5739.466667	58.5	1000.0	1000.000	300.2	V	8.0	Fundamental		
6520.100000	49.4	1000.0	1000.000	144.7	V	37.0	12.8	24.5	73.9
10826.40000	51.5	1000.0	1000.000	205.5	H	275.0	16.5	22.4	73.9
17764.13333	58.7	1000.0	1000.000	302.2	H	91.0	25.8	15.2	73.9

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1199.833333	28.0	1000.0	1000.000	131.7	V	271.0	-5.7	25.9	53.9
2000.400000	29.9	1000.0	1000.000	300.2	H	310.0	-1.0	24.0	53.9
3830.166667	38.3	1000.0	1000.000	189.5	V	70.0	6.1	15.6	53.9
5739.466667	48.6	1000.0	1000.000	300.2	V	8.0	Fundamental		
6520.100000	36.8	1000.0	1000.000	144.7	V	37.0	12.8	17.1	53.9
10826.40000	38.7	1000.0	1000.000	205.5	H	275.0	16.5	15.2	53.9
17764.13333	46.1	1000.0	1000.000	302.2	H	91.0	25.8	7.8	53.9

Test Notes: Measurement was performed with a 5GHz notch filter. No significant emissions observed above 8GHz. Measurement above 8GHz are noise floor figures.

2.7.33 Test Results Above 1GHz (Tx – SISO Mode)_Worst Case Configuration 802.11a 5GHz_Mid(157) Channel (5785MHz)_6Mbps Data Rate



Peak Data

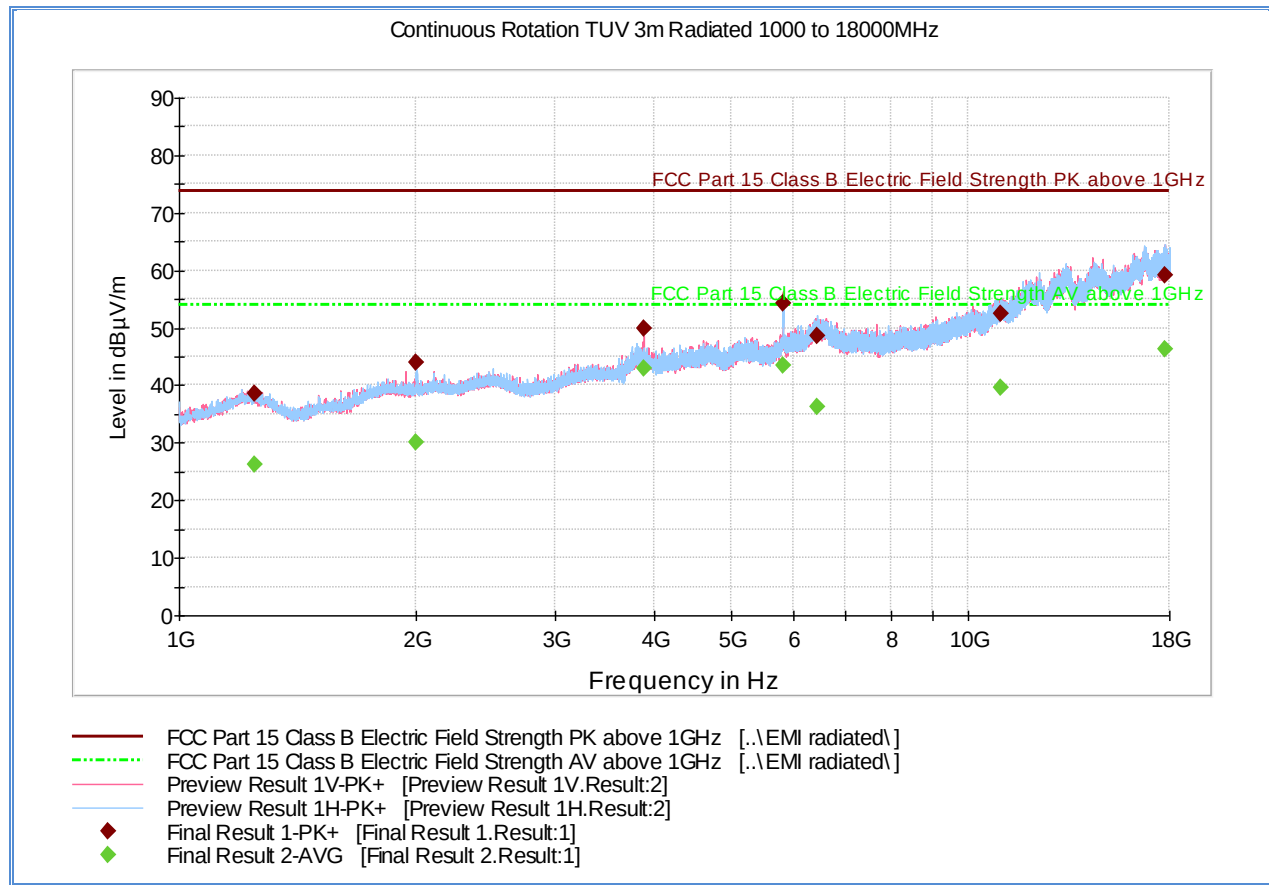
Frequency (MHz)	MaxPeak (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
1226.333333	39.5	1000.0	1000.000	404.1	V	141.0	-5.5	34.4	73.9
2000.533333	44.1	1000.0	1000.000	299.2	H	242.0	-1.0	29.8	73.9
3856.766667	49.3	1000.0	1000.000	267.3	V	351.0	6.0	24.6	73.9
5786.500000	58.7	1000.0	1000.000	302.2	V	124.0	Fundamental		
6606.566667	50.0	1000.0	1000.000	402.7	V	7.0	12.8	23.9	73.9
11056.03333	52.0	1000.0	1000.000	276.3	V	0.0	16.8	21.9	73.9
16834.16666	58.5	1000.0	1000.000	201.3	H	132.0	25.3	15.4	73.9

Average Data

Frequency (MHz)	Average (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
1226.333333	26.0	1000.0	1000.000	404.1	V	141.0	-5.5	27.9	53.9
2000.533333	29.9	1000.0	1000.000	299.2	H	242.0	-1.0	24.0	53.9
3856.766667	39.8	1000.0	1000.000	267.3	V	351.0	6.0	14.1	53.9
5786.500000	49.1	1000.0	1000.000	302.2	V	124.0	Fundamental		
6606.566667	37.1	1000.0	1000.000	402.7	V	7.0	12.8	16.8	53.9
11056.03333	39.0	1000.0	1000.000	276.3	V	0.0	16.8	14.9	53.9
16834.16666	46.1	1000.0	1000.000	201.3	H	132.0	25.3	7.8	53.9

Test Notes: Measurement was performed with a 5GHz notch filter. No significant emissions observed above 8GHz. Measurement above 8GHz are noise floor figures.

2.7.34 Test Results Above 1GHz (Tx – SISO Mode)_Worst Case Configuration 802.11a 5GHz_High(165) Channel (5825MHz)_6Mbps Data Rate



Peak Data

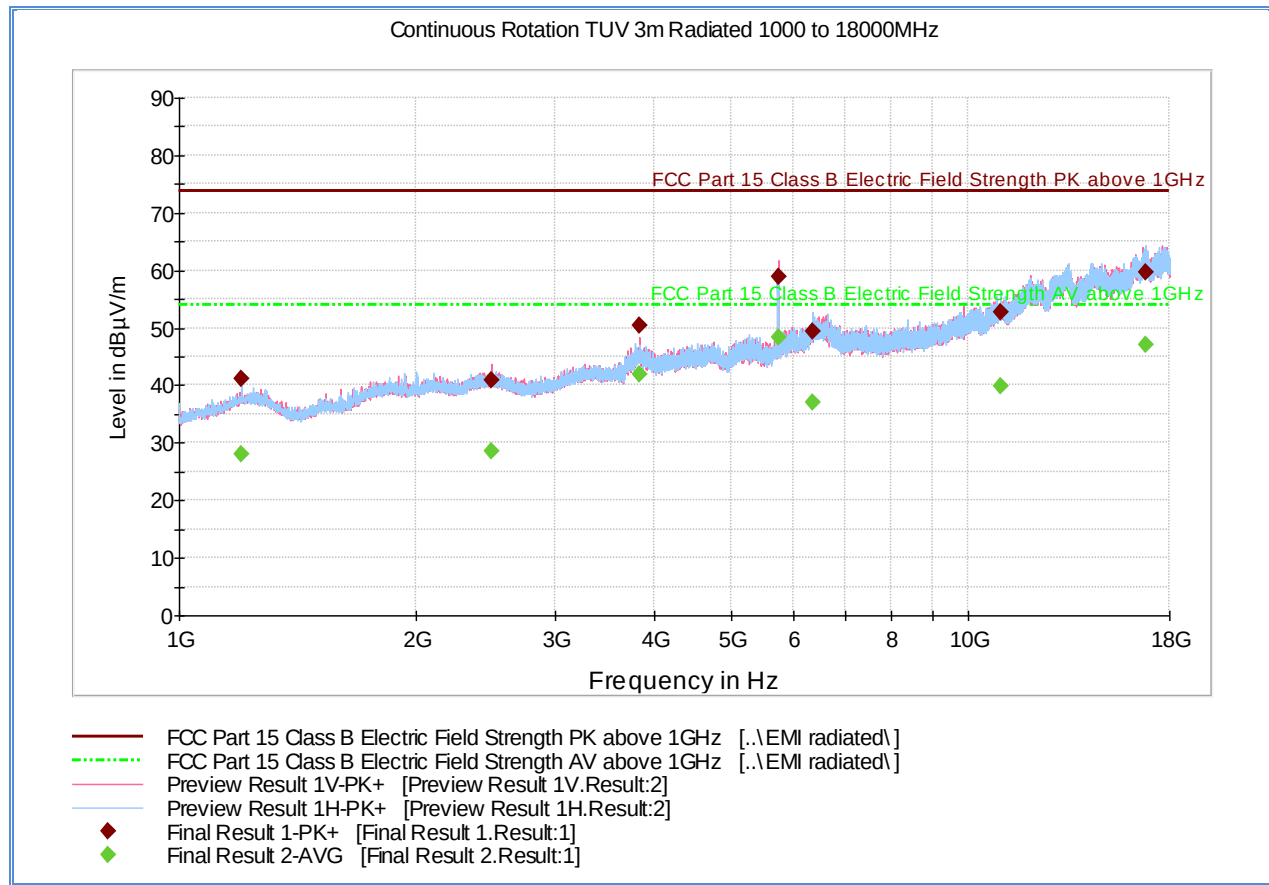
Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1245.933333	38.6	1000.0	1000.000	177.6	V	165.0	-5.3	35.3	73.9
2000.400000	44.0	1000.0	1000.000	299.3	H	242.0	-1.0	29.9	73.9
3883.033333	49.9	1000.0	1000.000	299.2	V	20.0	6.0	24.0	73.9
5827.800000	54.2	1000.0	1000.000	341.1	V	125.0	Fundamental		
6429.066667	48.6	1000.0	1000.000	267.3	H	10.0	12.6	25.3	73.9
10980.53333	52.6	1000.0	1000.000	169.6	H	-3.0	17.0	21.3	73.9
17738.00000	59.1	1000.0	1000.000	302.2	H	74.0	25.8	14.8	73.9

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1245.933333	26.1	1000.0	1000.000	177.6	V	165.0	-5.3	27.8	53.9
2000.400000	30.1	1000.0	1000.000	299.3	H	242.0	-1.0	23.8	53.9
3883.033333	42.9	1000.0	1000.000	299.2	V	20.0	6.0	11.0	53.9
5827.800000	43.5	1000.0	1000.000	341.1	V	125.0	Fundamental		
6429.066667	36.3	1000.0	1000.000	267.3	H	10.0	12.6	17.6	53.9
10980.53333	39.6	1000.0	1000.000	169.6	H	-3.0	17.0	14.3	53.9
17738.00000	46.4	1000.0	1000.000	302.2	H	74.0	25.8	7.5	53.9

Test Notes: Measurement was performed with a 5GHz notch filter. No significant emissions observed above 8GHz. Measurement above 8GHz are noise floor figures.

2.7.35 Test Results Above 1GHz (Tx – MIMO Mode)_Worst Case Configuration 802.11n 5GHz(HT20)_Low(149) Channel (5745MHz)_6.5Mbps Data Rate



Peak Data

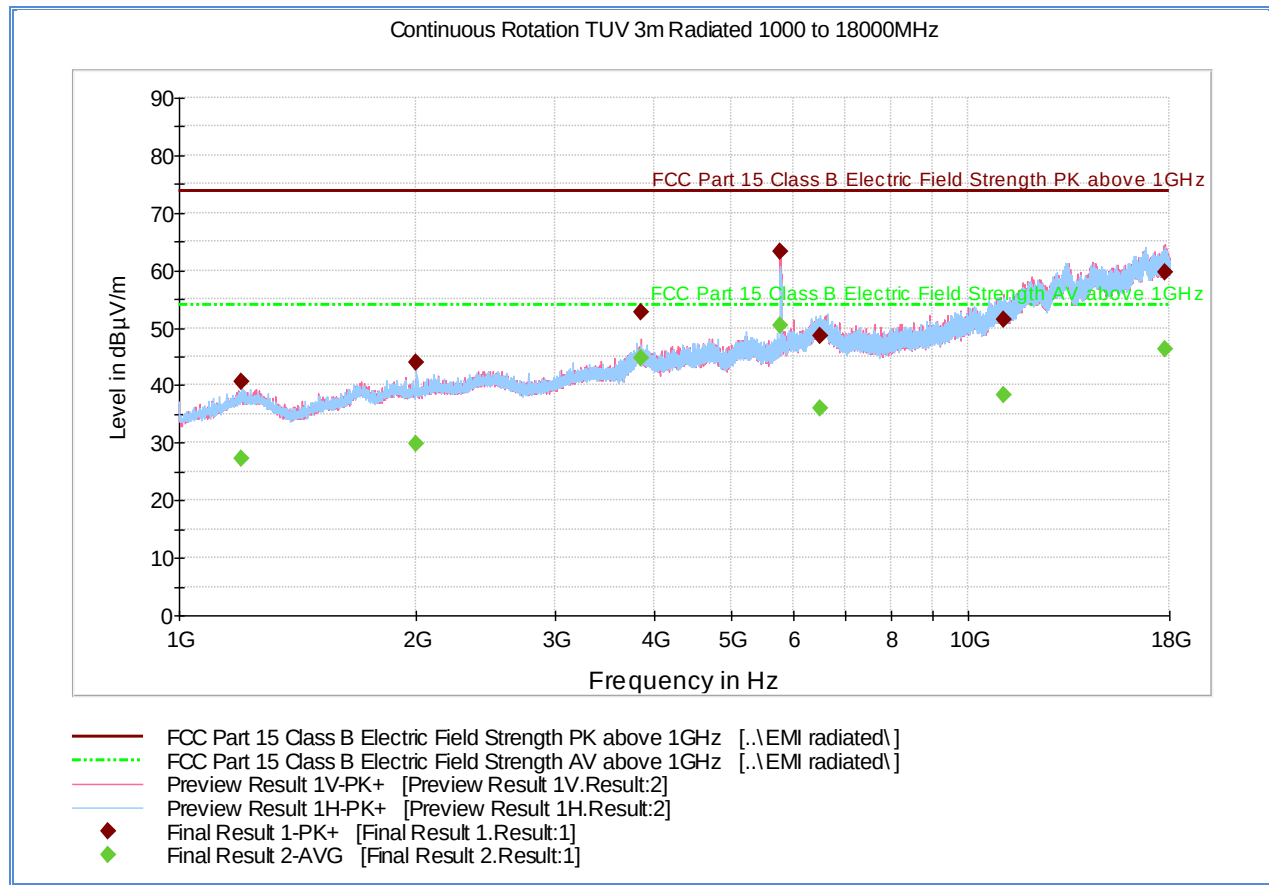
Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1199.866667	41.2	1000.0	1000.000	146.7	V	19.0	-5.7	32.7	73.9
2491.500000	41.0	1000.0	1000.000	216.4	V	3.0	0.2	32.9	73.9
3829.766667	50.3	1000.0	1000.000	302.2	V	343.0	6.1	23.6	73.9
5747.200000	59.0	1000.0	1000.000	312.2	V	19.0	Fundamental		
6367.100000	49.4	1000.0	1000.000	201.3	H	160.0	12.6	24.5	73.9
11009.066666	52.7	1000.0	1000.000	404.1	H	266.0	17.0	21.2	73.9
16795.966666	59.7	1000.0	1000.000	201.3	H	261.0	25.9	14.2	73.9

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1199.866667	28.1	1000.0	1000.000	146.7	V	19.0	-5.7	25.8	53.9
2491.500000	28.7	1000.0	1000.000	216.4	V	3.0	0.2	25.2	53.9
3829.766667	42.0	1000.0	1000.000	302.2	V	343.0	6.1	11.9	53.9
5747.200000	48.3	1000.0	1000.000	312.2	V	19.0	Fundamental		
6367.100000	37.0	1000.0	1000.000	201.3	H	160.0	12.6	16.9	53.9
11009.066666	39.8	1000.0	1000.000	404.1	H	266.0	17.0	14.1	53.9
16795.966666	46.9	1000.0	1000.000	201.3	H	261.0	25.9	7.0	53.9

Test Notes: Measurement was performed with a 5GHz notch filter. No significant emissions observed above 8GHz. Measurement above 8GHz are noise floor figures.

**2.7.36 Test Results Above 1GHz (Tx – MIMO Mode)_Worst Case Configuration
802.11n 5GHz(HT20)_Mid(157) Channel (5785MHz)_19.5Mbps Data Rate**



Peak Data

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1199.466667	40.6	1000.0	1000.000	164.6	V	69.0	-5.7	33.3	73.9
1999.633333	44.0	1000.0	1000.000	321.1	H	192.0	-1.0	29.9	73.9
3856.400000	52.6	1000.0	1000.000	155.6	V	-7.0	6.0	21.3	73.9
5783.066667	63.1	1000.0	1000.000	302.2	V	15.0	Fundamental		
6480.600000	48.7	1000.0	1000.000	226.4	H	49.0	12.7	25.2	73.9
11112.700000	51.4	1000.0	1000.000	288.2	V	67.0	16.5	22.5	73.9
17744.000000	59.7	1000.0	1000.000	131.7	V	307.0	25.8	14.2	73.9

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1199.466667	27.2	1000.0	1000.000	164.6	V	69.0	-5.7	26.7	53.9
1999.633333	29.7	1000.0	1000.000	321.1	H	192.0	-1.0	24.2	53.9
3856.400000	44.7	1000.0	1000.000	155.6	V	-7.0	6.0	9.2	53.9
5783.066667	50.3	1000.0	1000.000	302.2	V	15.0	Fundamental		
6480.600000	36.1	1000.0	1000.000	226.4	H	49.0	12.7	17.8	53.9
11112.700000	38.3	1000.0	1000.000	288.2	V	67.0	16.5	15.6	53.9
17744.000000	46.2	1000.0	1000.000	131.7	V	307.0	25.8	7.7	53.9

Test Notes: Measurement was performed with a 5GHz notch filter. No significant emissions observed above 8GHz. Measurement above 8GHz are noise floor figures.