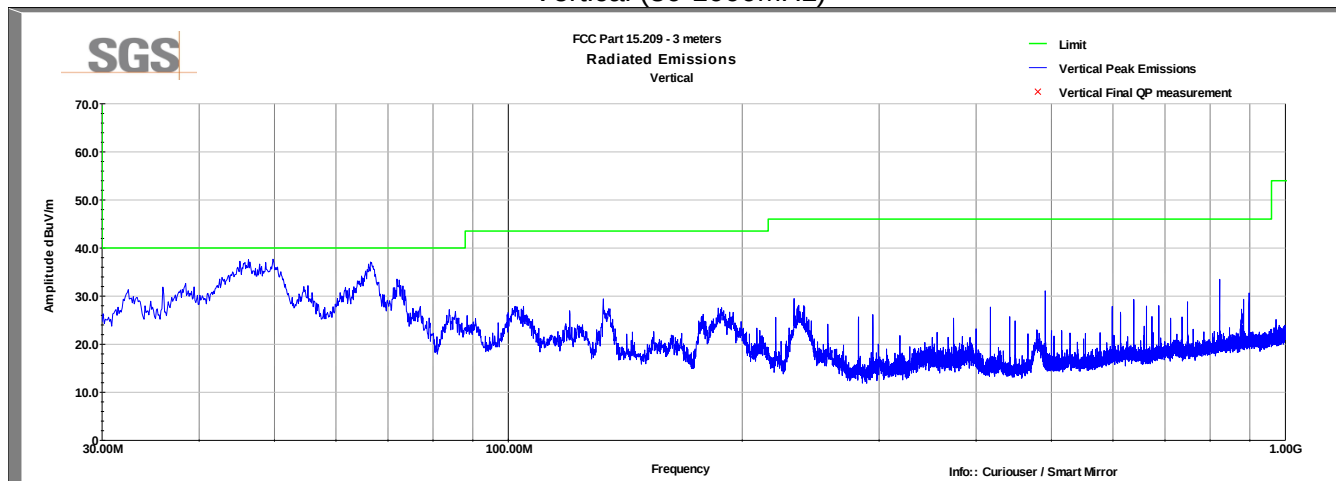
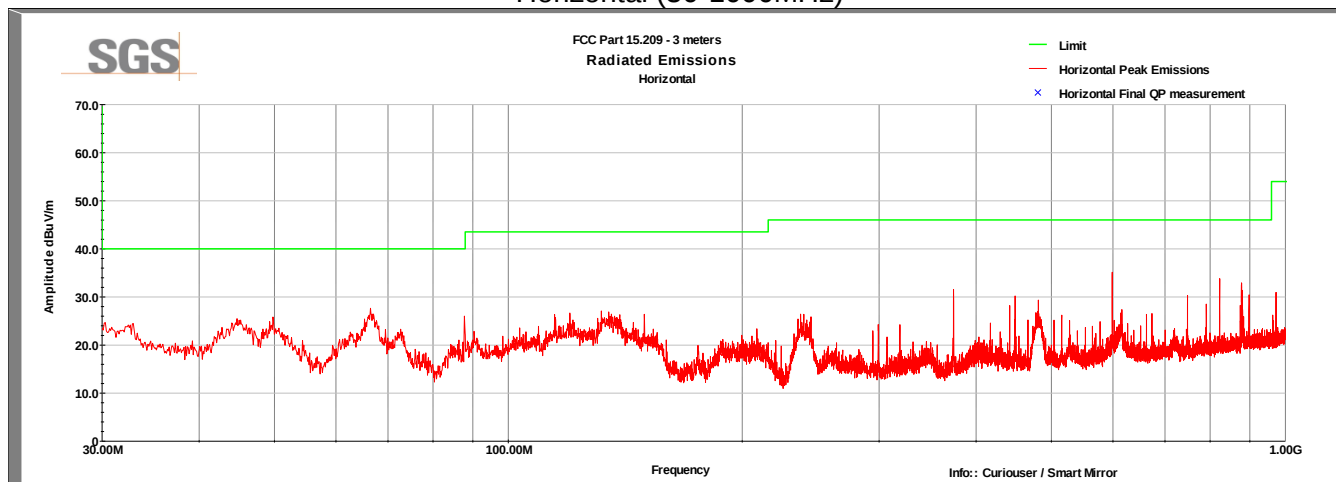


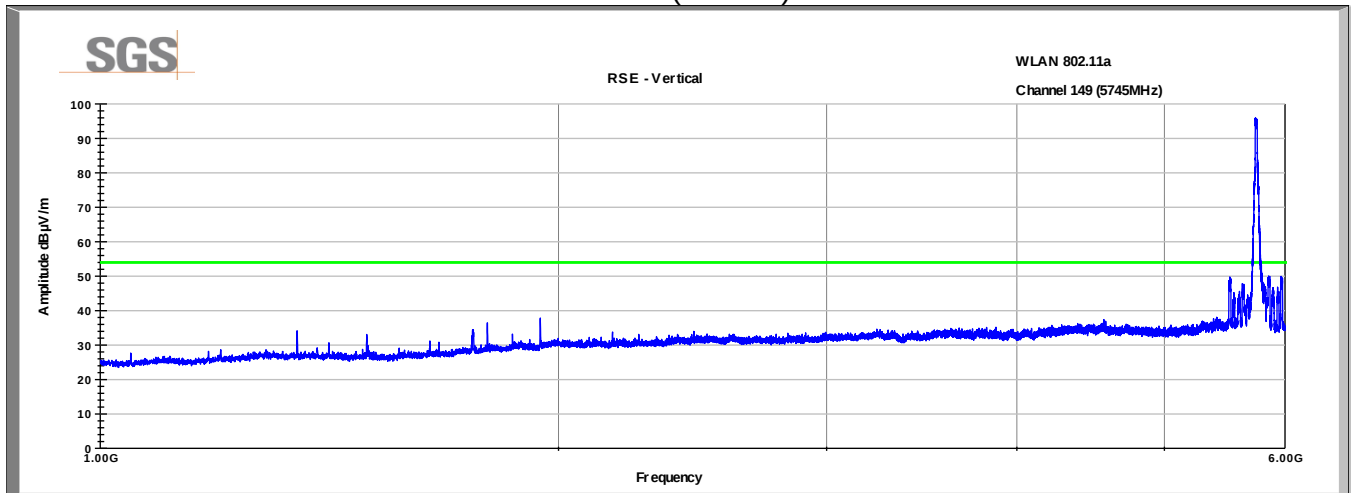
Channel 149 Vertical (30-1000MHz)



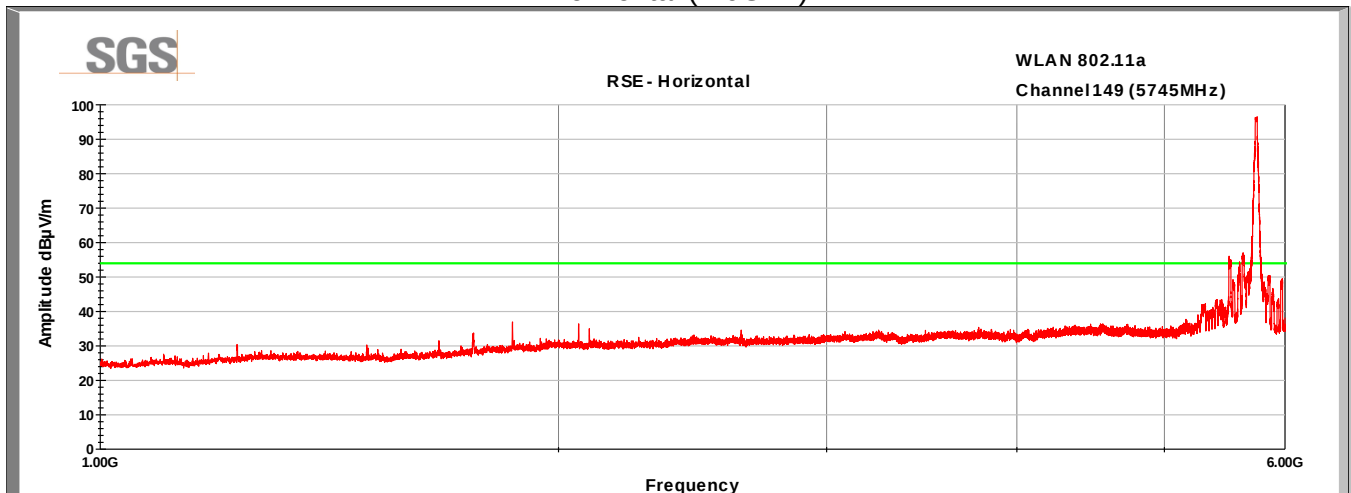
Channel 149 Horizontal (30-1000MHz)



Channel 149
 Vertical (1-6GHz)

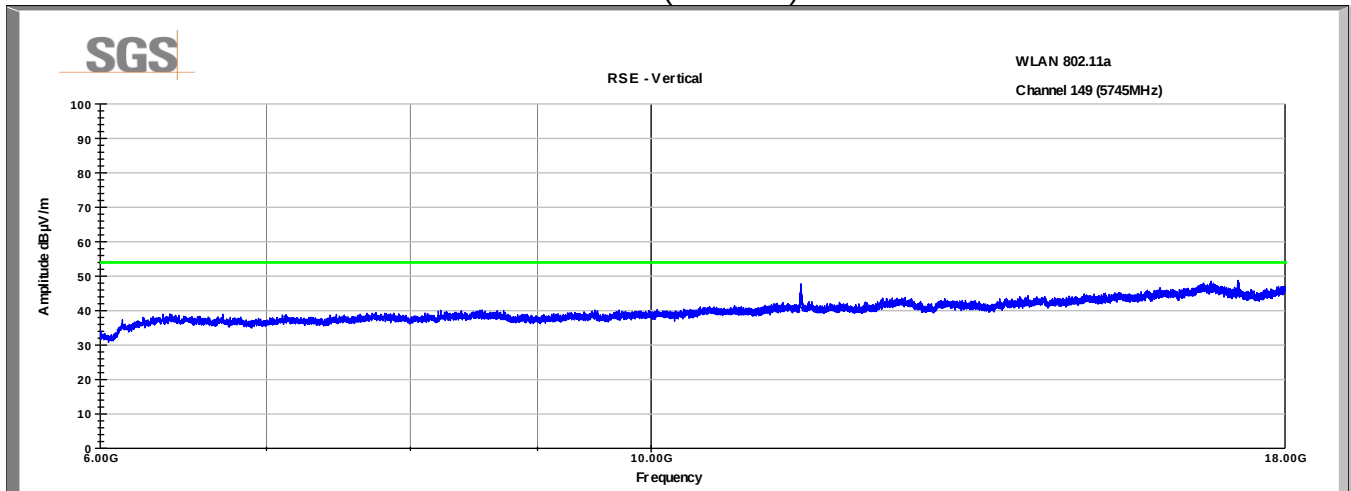


Channel 149
 Horizontal (1-6GHz)

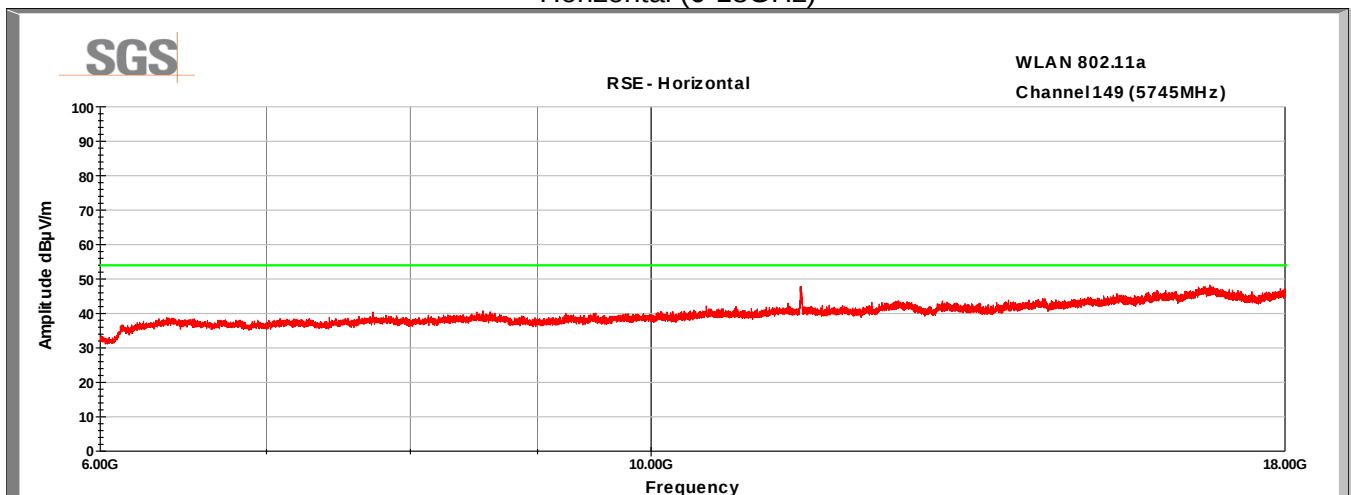


See section 6.9 for details of radiated emissions around the fundamental.

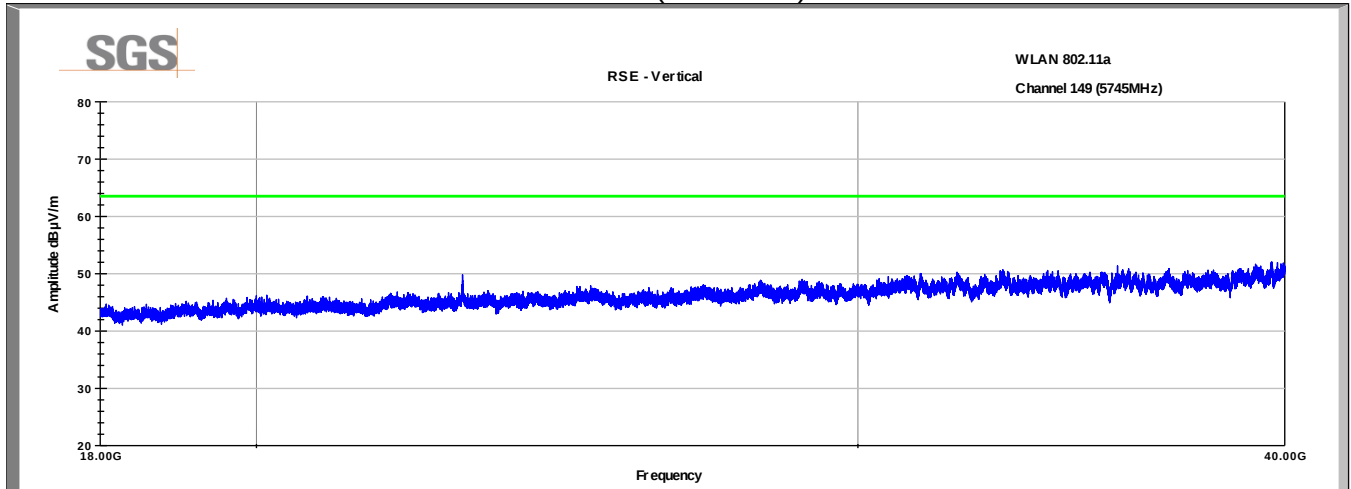
Channel 149 Vertical (6-18GHz)



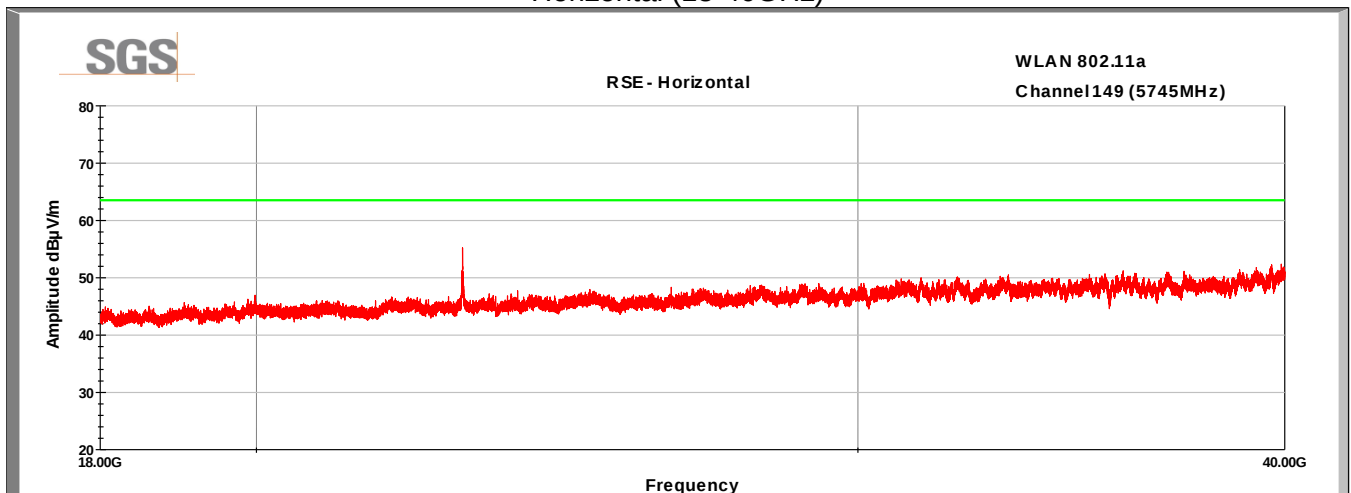
Channel 149 Horizontal (6-18GHz)



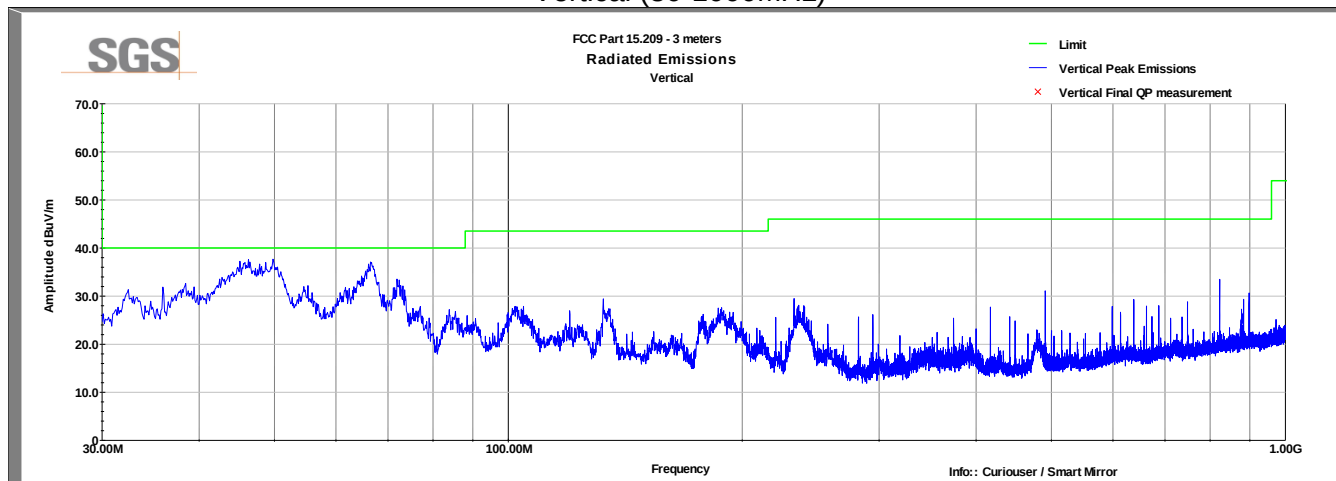
Channel 149
 Vertical (18-40GHz)



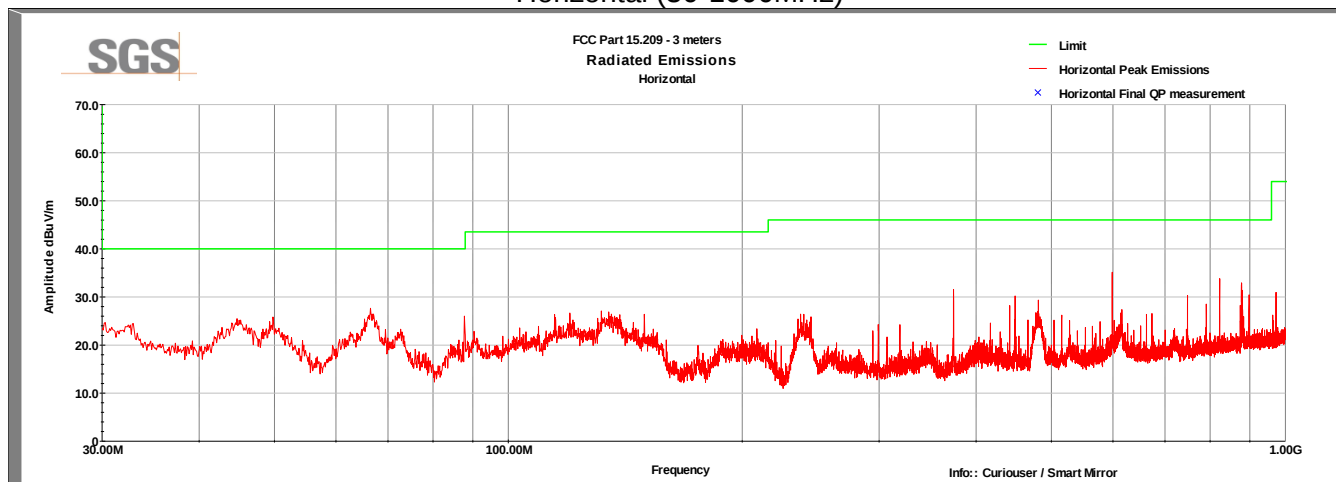
Channel 149
 Horizontal (18-40GHz)



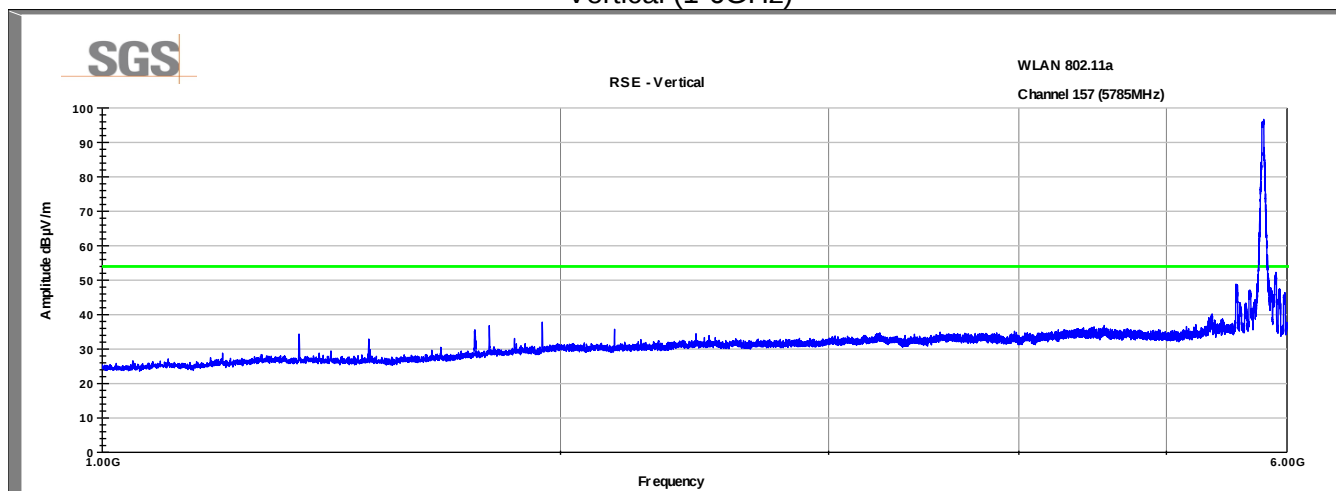
Channel 157 Vertical (30-1000MHz)



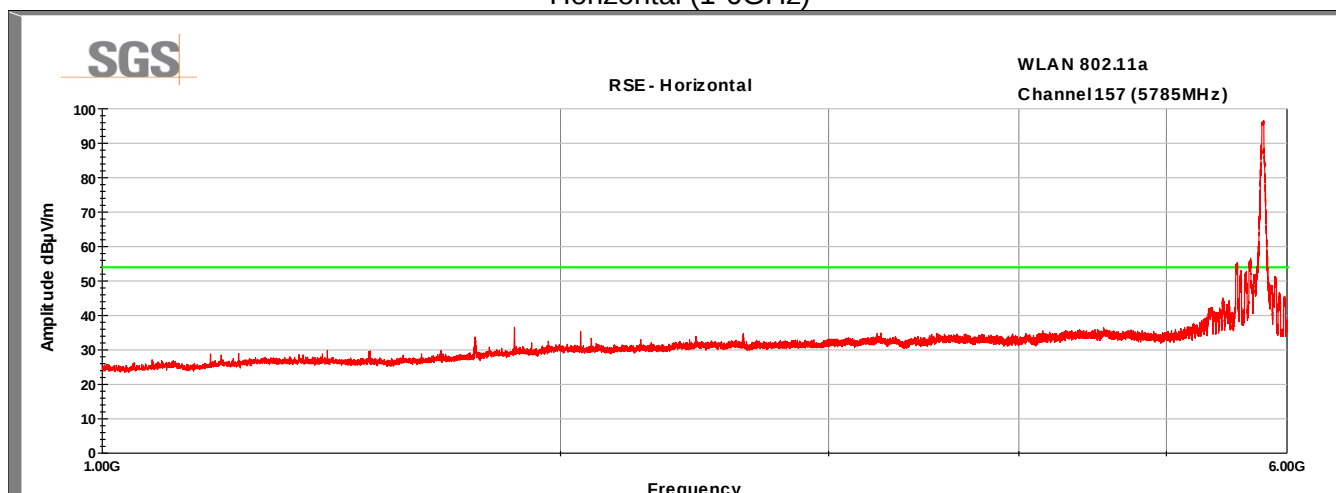
Channel 157 Horizontal (30-1000MHz)



Channel 157 Vertical (1-6GHz)

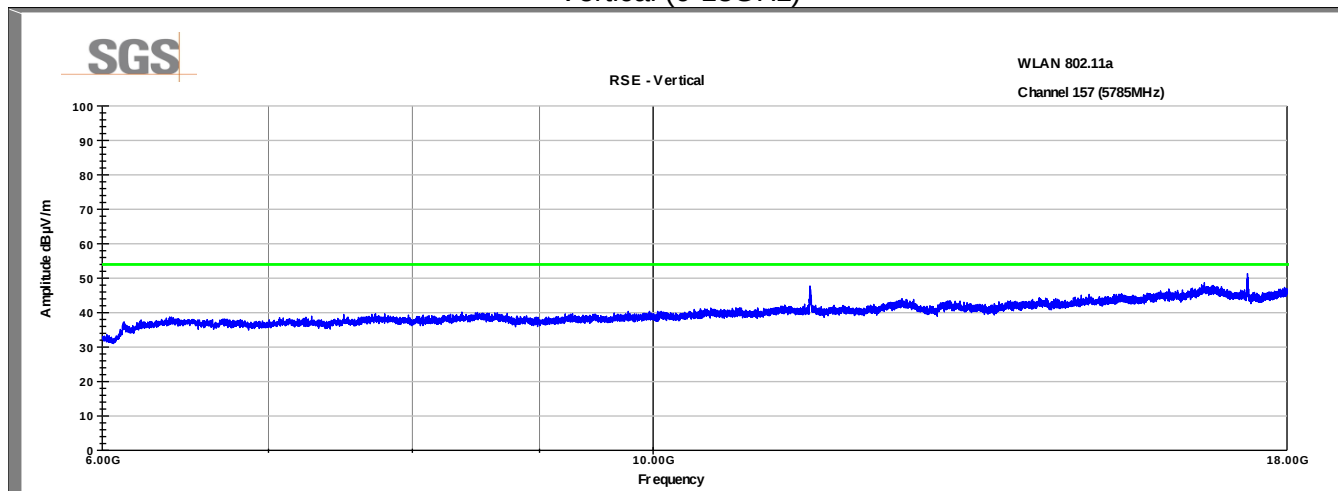


Channel 157 Horizontal (1-6GHz)

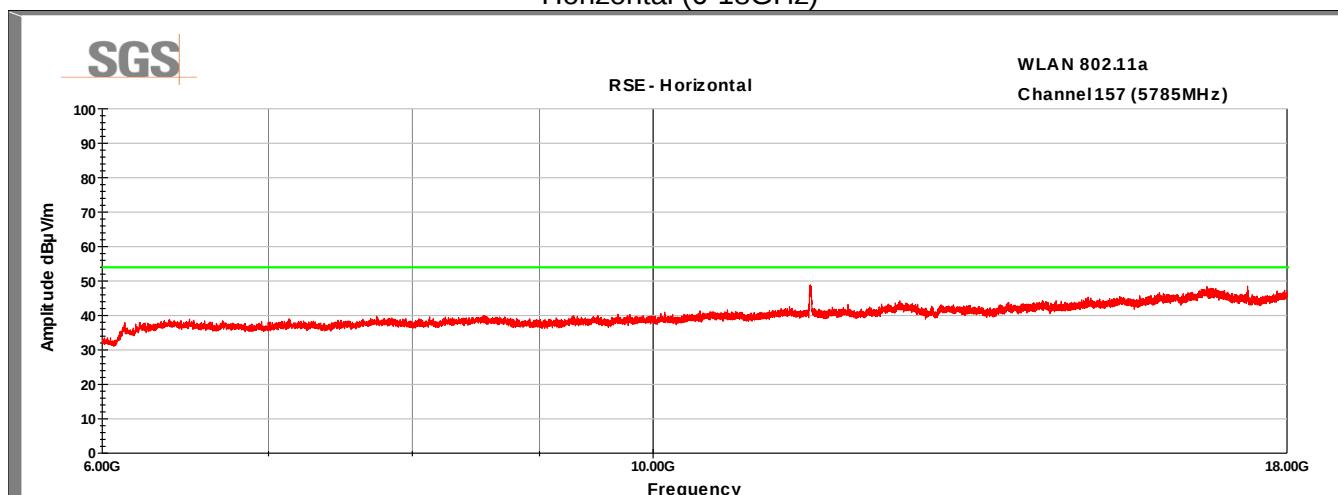


See section 6.9 for details of radiated emissions around the fundamental.

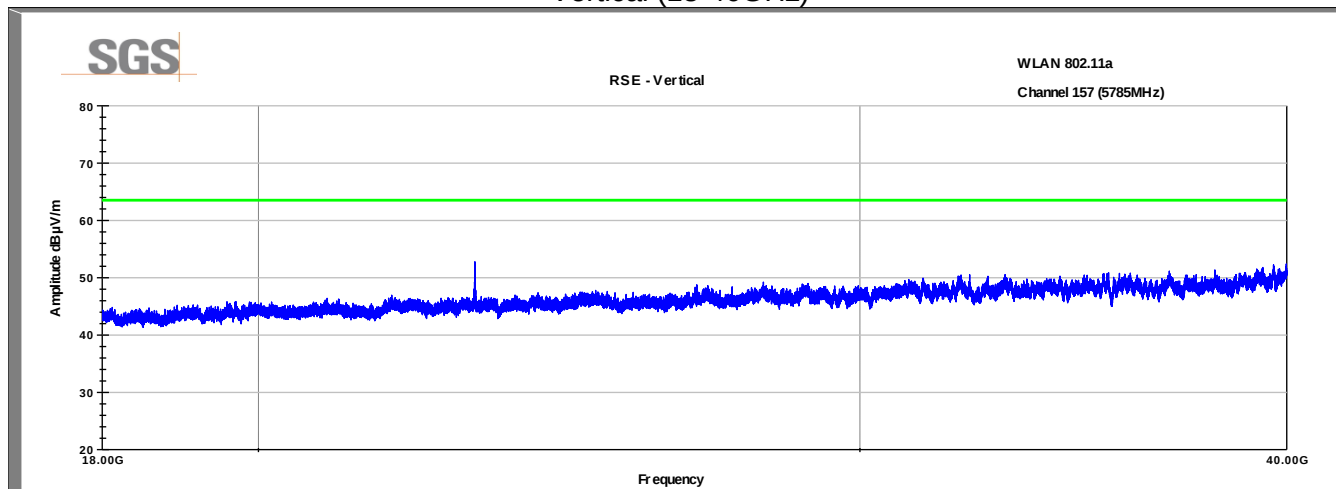
Channel 157 Vertical (6-18GHz)



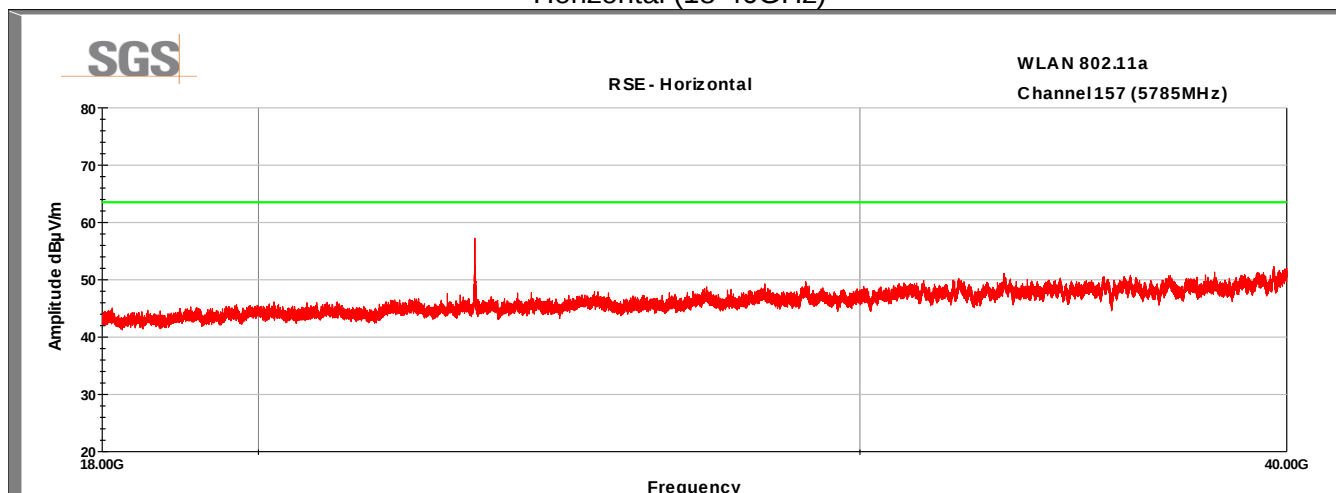
Channel 157 Horizontal (6-18GHz)



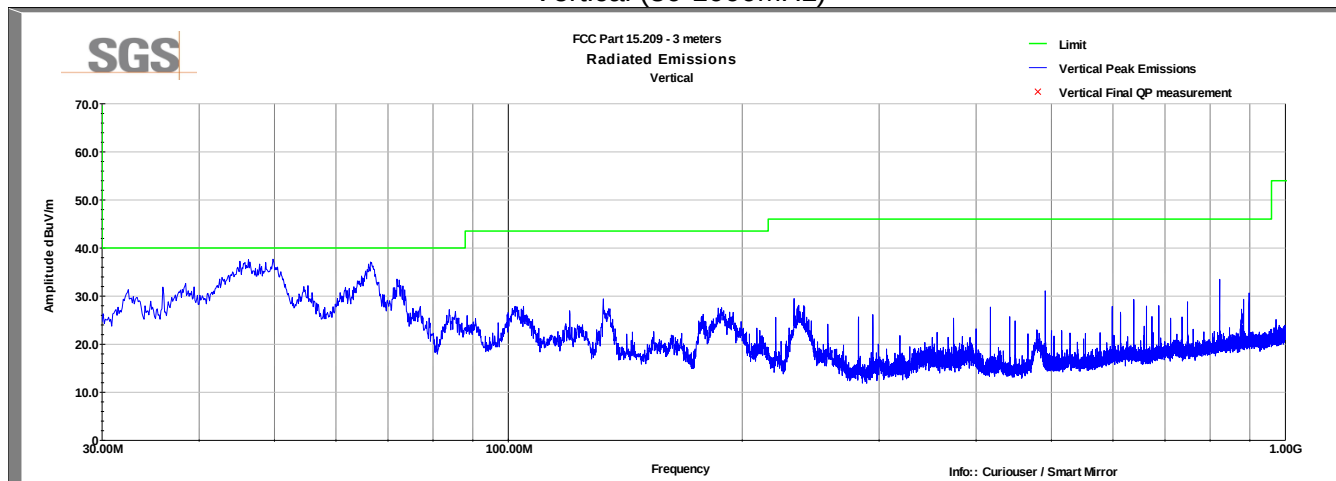
Channel 157
 Vertical (18-40GHz)



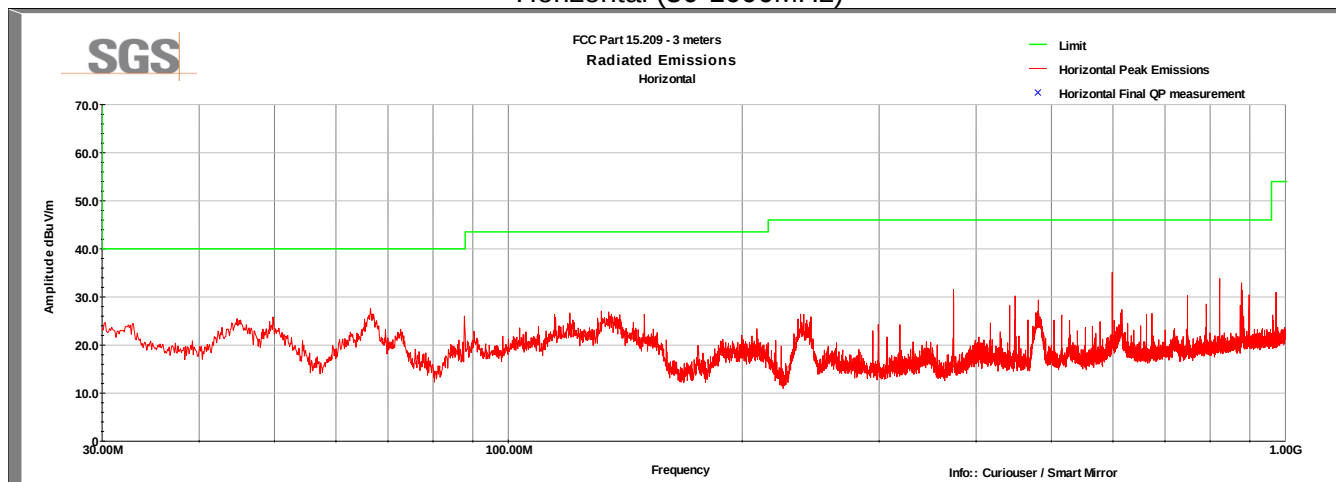
Channel 157
 Horizontal (18-40GHz)



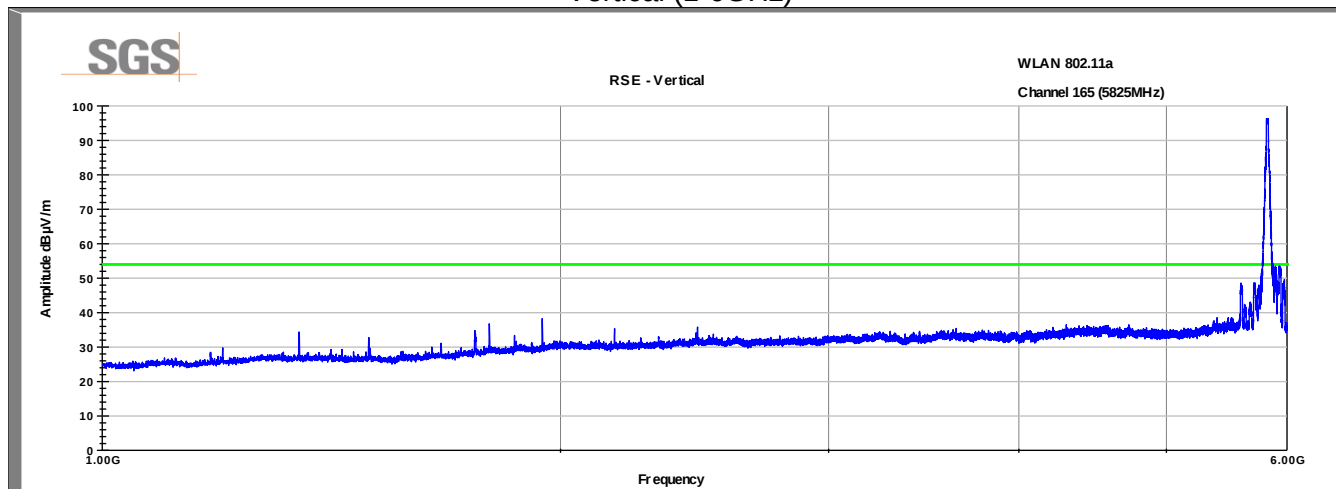
Channel 165 Vertical (30-1000MHz)



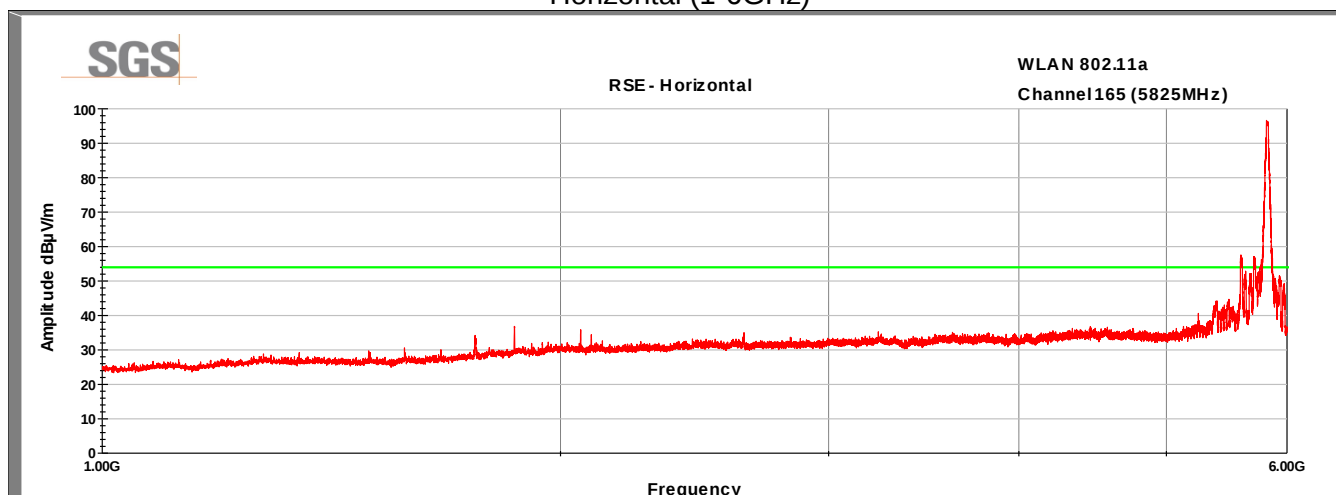
Channel 165 Horizontal (30-1000MHz)



Channel 165 Vertical (1-6GHz)

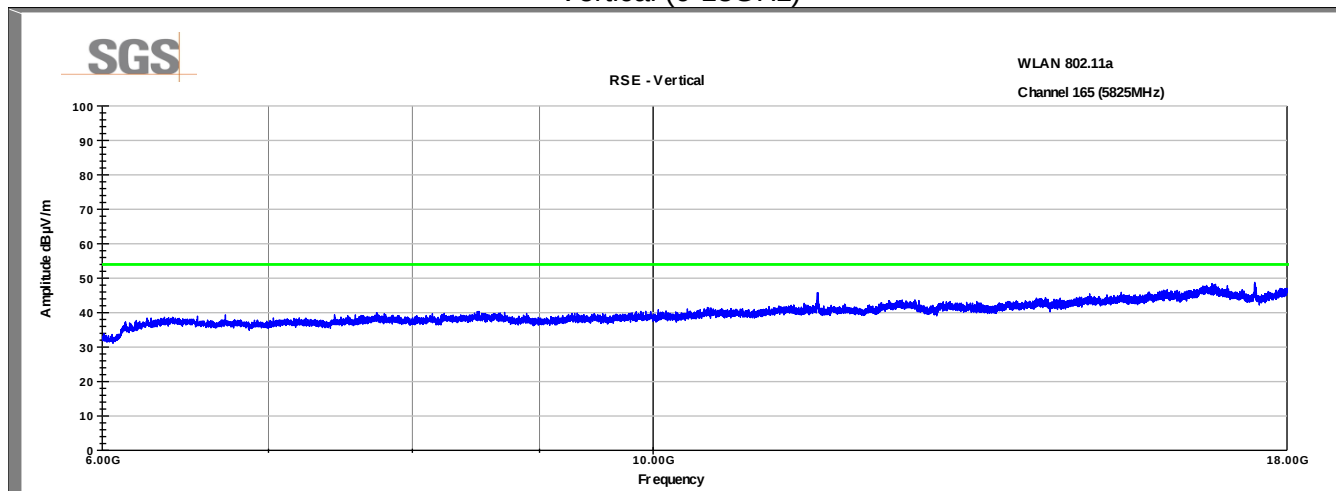


Channel 165 Horizontal (1-6GHz)

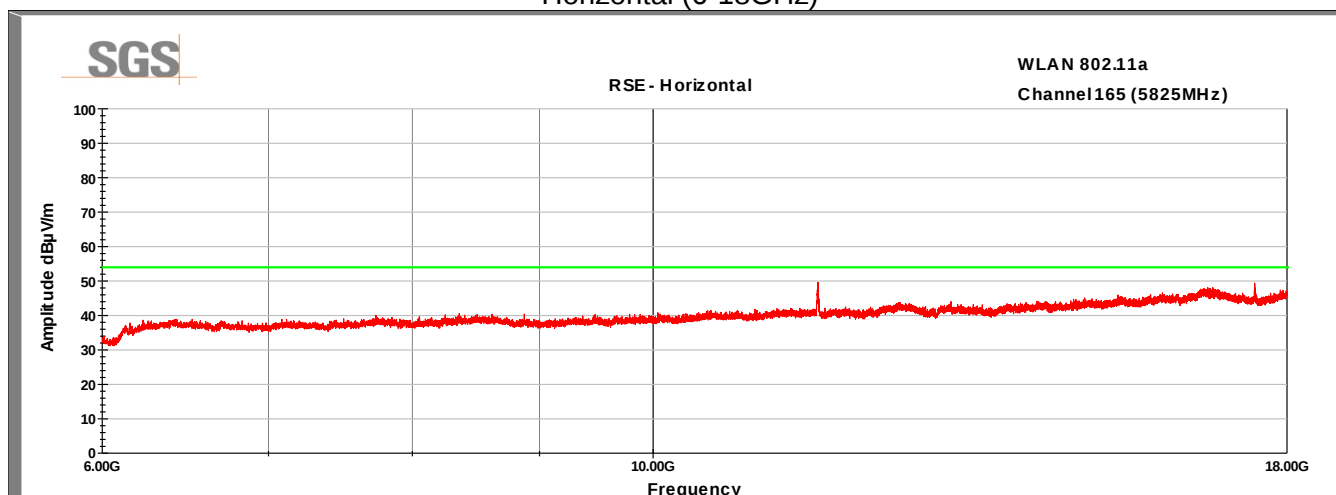


See section 6.9 for details of radiated emissions around the fundamental.

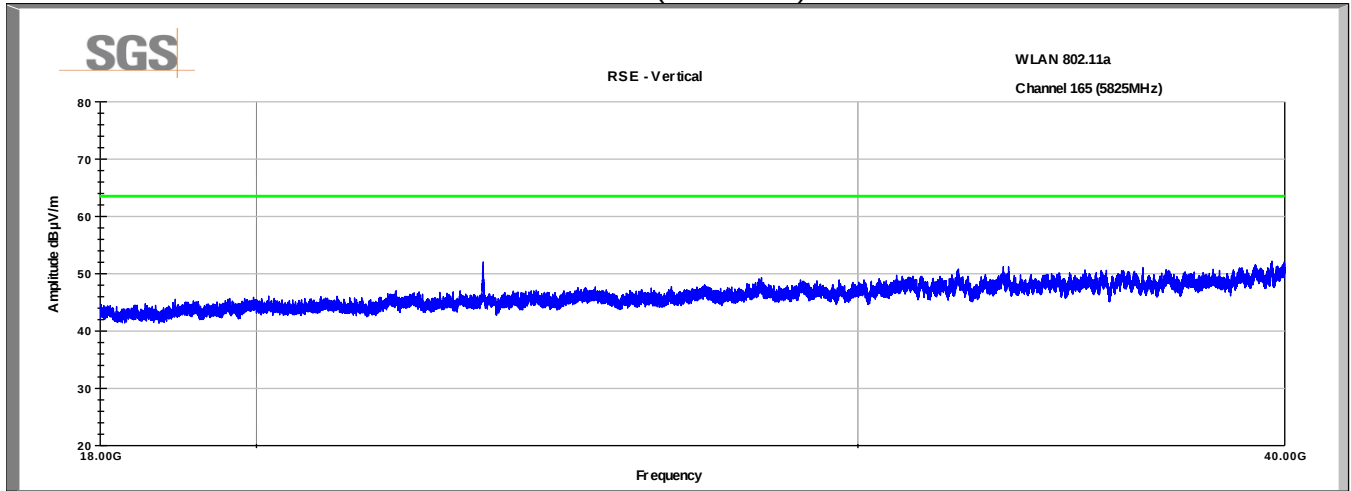
Channel 165 Vertical (6-18GHz)



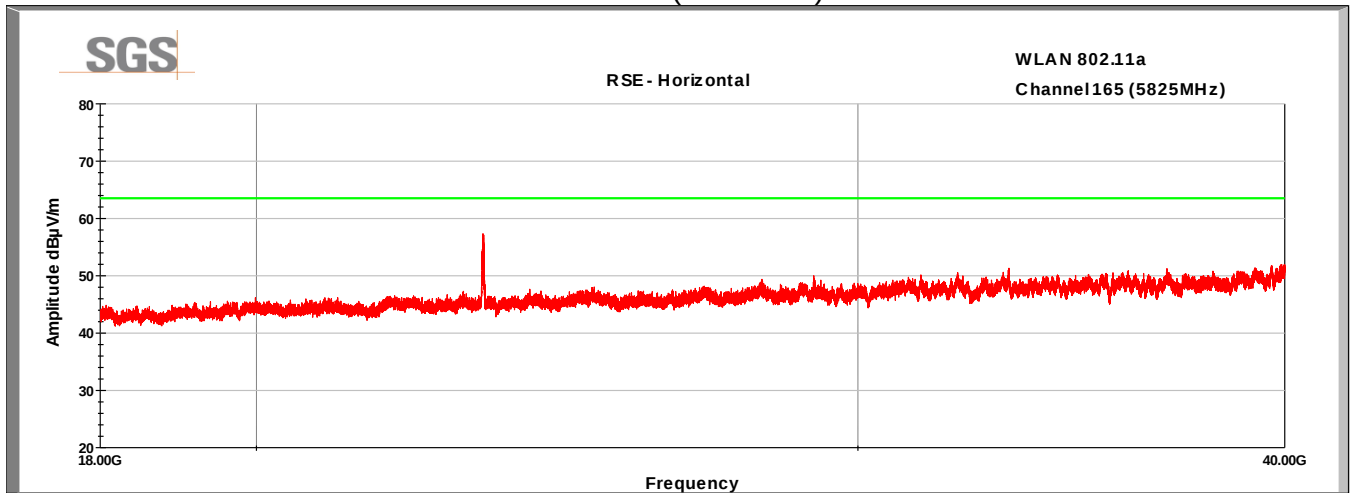
Channel 165 Horizontal (6-18GHz)



Channel 165
Vertical (18-40GHz)



Channel 165
Horizontal (18-40GHz)



7 Conducted Emissions

7.1 Test Result

Test Description	Basic Standards	Test Result
Conducted Emissions, Class B	RSS-GEN 7.2.4 15.207 ANSI C63.4:2014	Compliant

7.2 Test Method

With the receivers resolution bandwidth was set to 9 kHz the exploratory scans were performed over the measuring frequency range (0.15MHz to 30MHz) using a max hold mode incorporating a Peak detector and Average detector and using the TILE! software. The final test data was measured using a Quasi-Peak detector and Average detector and compared against the limits indicated in the table below.

Frequency Range	Class A Limits (dBuV)	Class B Limits (dBuV) CISPR
0.15 to 0.5 MHz	Avg 66 QP 79	Avg 56 to 46 QP 66 to 56
0.5 to 5 MHz	Avg 60 QP 73	Avg 46 Pk 56
5 to 30 MHz	Avg 60 QP 73	Avg 50 Pk 60

7.3 Test Site

SGS EMC Laboratory, Suwanee, GA

Environmental Conditions

Temperature: 23.8°C
 Relative Humidity: 22.2%

7.4 Test Equipment

Test End Date: 6-Jun-2018

Tester: SKM

Equipment	Model	Manufacturer	Asset Number	Cal Due Date
LINE IMPEDANCE STABILIZATION NETWORK	NNB 51	TESEQ	B087573	21-Nov-2018
RF CABLE	UC-N-MM-78	MAURY MICROWAVE	17016	25-Jul-2018
EMI TEST RECEIVER	ESU8	ROHDE & SCHWARZ	B085759	25-Jul-2018

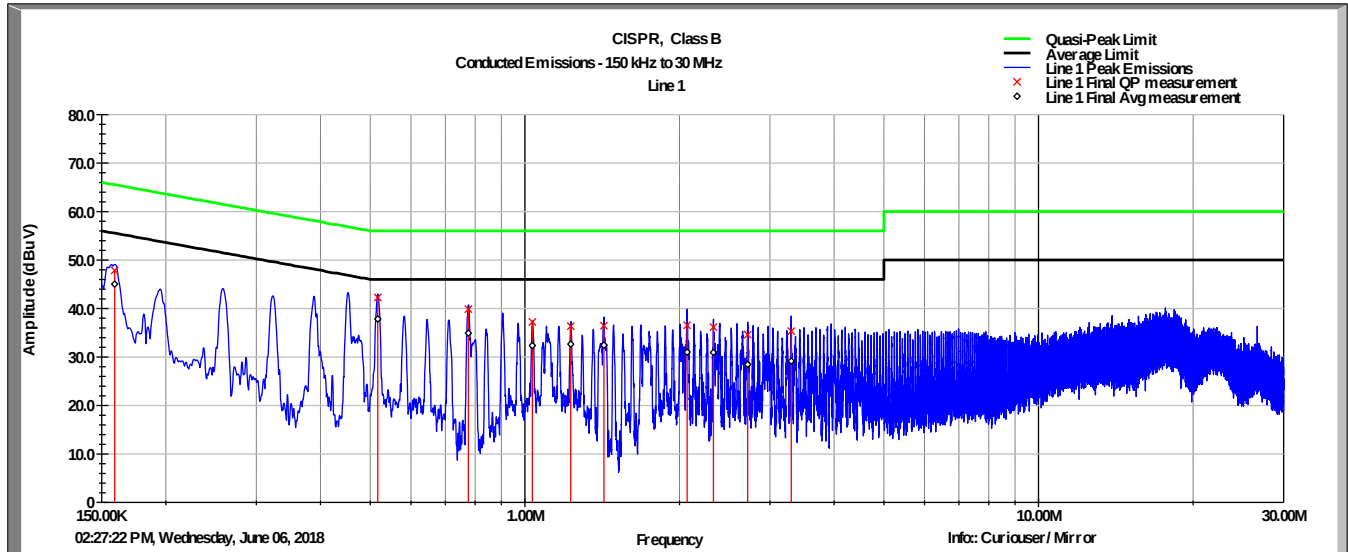
Note: The equipment calibration period is 1 year.

Software:

"Conducted Emissions" TILE! profile dated Dec 2015

7.5 Test Data

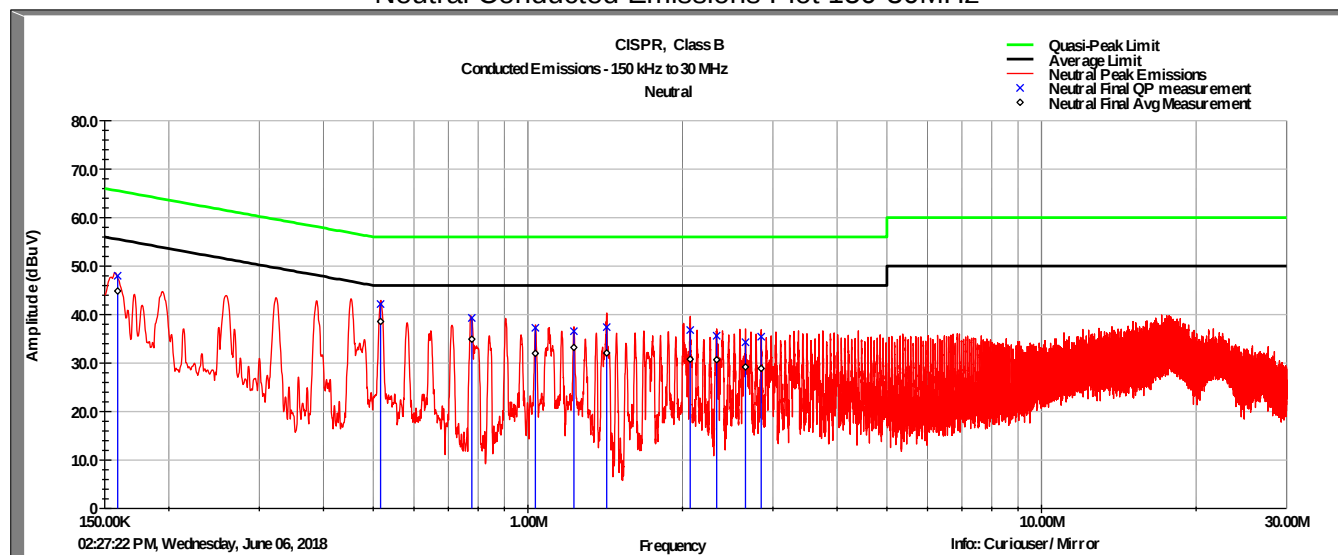
Line 1 Conducted Emissions Plot 150-30MHz



Line 1 Conducted Emissions Data 150-30MHz

Frequency MHz	QP Value dBuV	QP Limit dBuV	QP Margin dB	Avg Value dBuV	Avg Limit dBuV	Avg Margin dB
0.159	47.9	65.5	-17.7	45.0	55.5	-10.5
0.517	42.3	56.0	-13.7	37.8	46.0	-8.2
0.776	39.9	56.0	-16.1	34.9	46.0	-11.1
1.034	37.2	56.0	-18.8	32.3	46.0	-13.7
1.228	36.3	56.0	-19.7	32.7	46.0	-13.3
1.425	36.4	56.0	-19.6	32.4	46.0	-13.6
2.069	36.5	56.0	-19.5	31.0	46.0	-15.0
2.329	36.2	56.0	-19.8	30.9	46.0	-15.1
2.715	34.6	56.0	-21.4	28.5	46.0	-17.5
3.300	35.3	56.0	-20.7	29.2	46.0	-16.8

Neutral Conducted Emissions Plot 150-30MHz



Neutral Conducted Emissions Data 150-30MHz

Frequency MHz	QP Value dBuV	QP Limit dBuV	QP Margin dB	Avg Value dBuV	Avg Limit dBuV	Avg Margin dB
0.159	48.0	65.5	-17.6	44.8	55.5	-10.7
0.517	42.2	56.0	-13.8	38.6	46.0	-7.4
0.778	39.3	56.0	-16.7	34.9	46.0	-11.1
1.034	37.3	56.0	-18.7	32.0	46.0	-14.0
1.229	36.6	56.0	-19.4	33.2	46.0	-12.8
1.424	37.4	56.0	-18.6	32.1	46.0	-13.9
2.070	36.8	56.0	-19.2	30.8	46.0	-15.2
2.331	35.6	56.0	-20.4	30.7	46.0	-15.3
2.653	34.3	56.0	-21.7	29.2	46.0	-16.8
2.846	35.4	56.0	-20.6	28.9	46.0	-17.1

8 Revision History

Revision Level	Description of changes	Revision Date
0	Initial release	18-June 2018