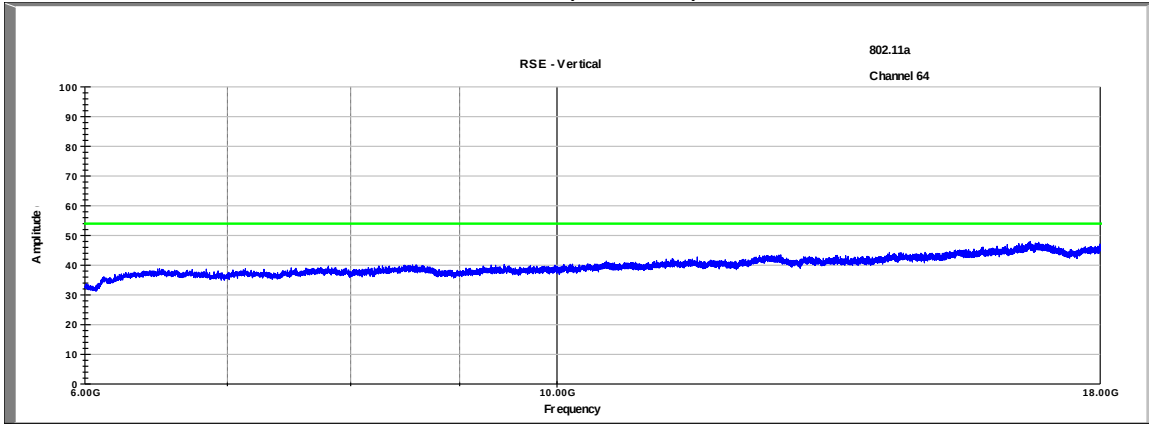
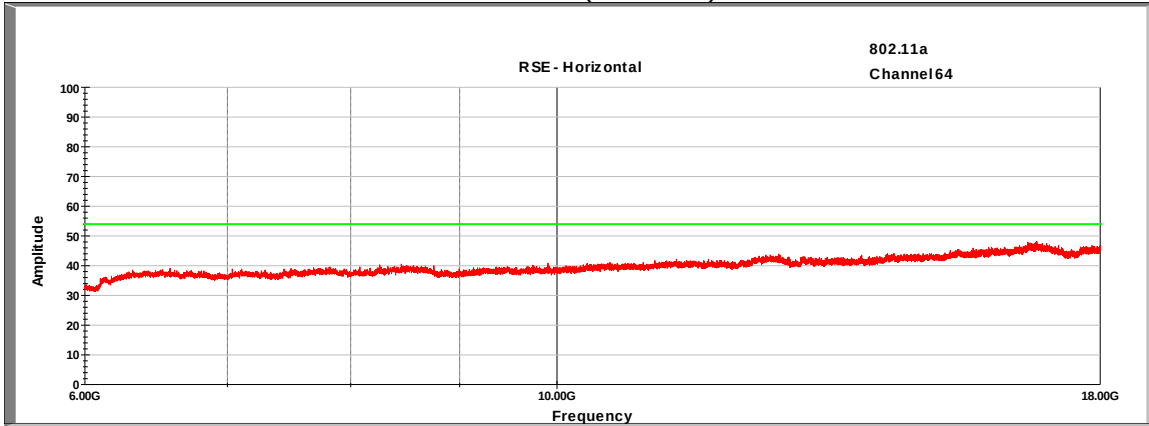


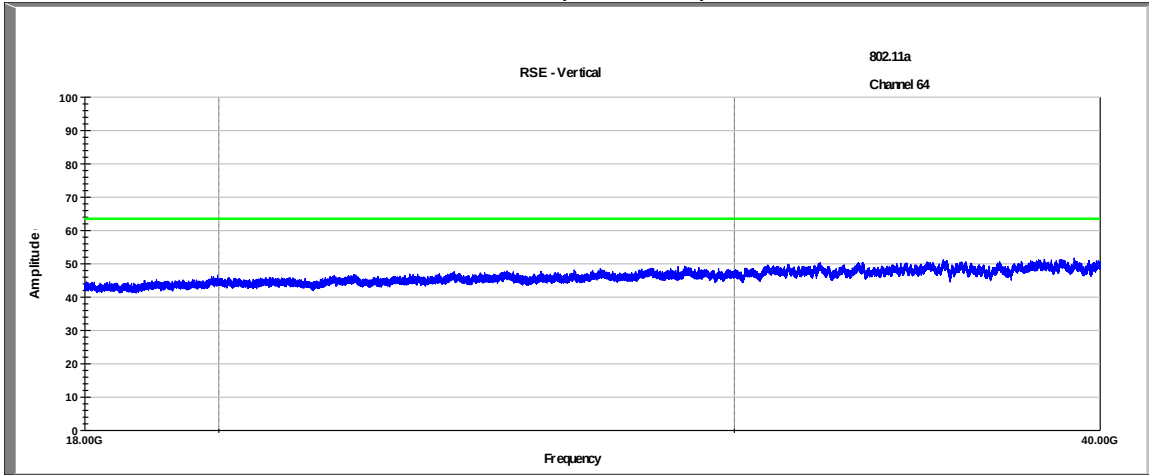
Channel 64
 Vertical (6-18GHz)



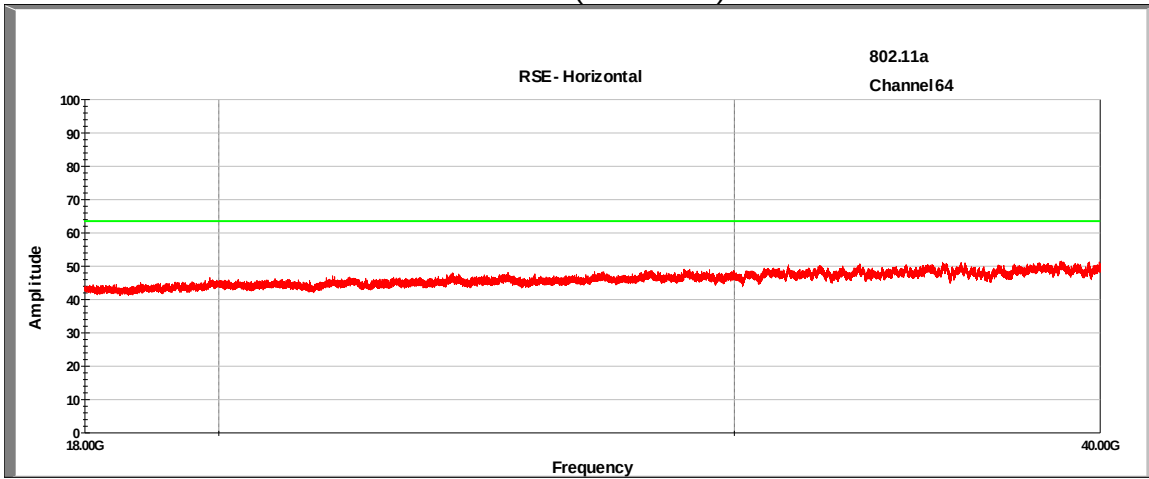
Channel 64
 Horizontal (6-18GHz)



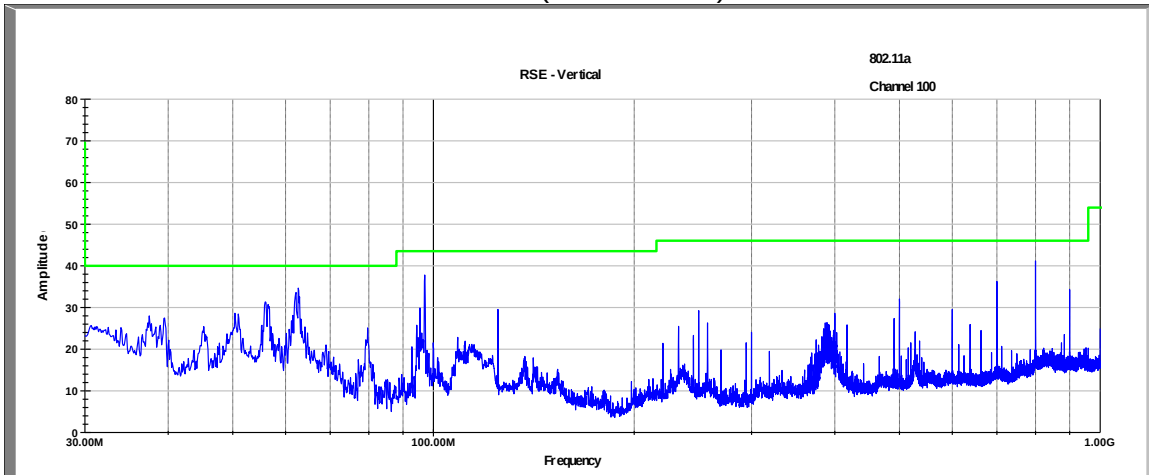
Channel 64
 Vertical (18-40GHz)



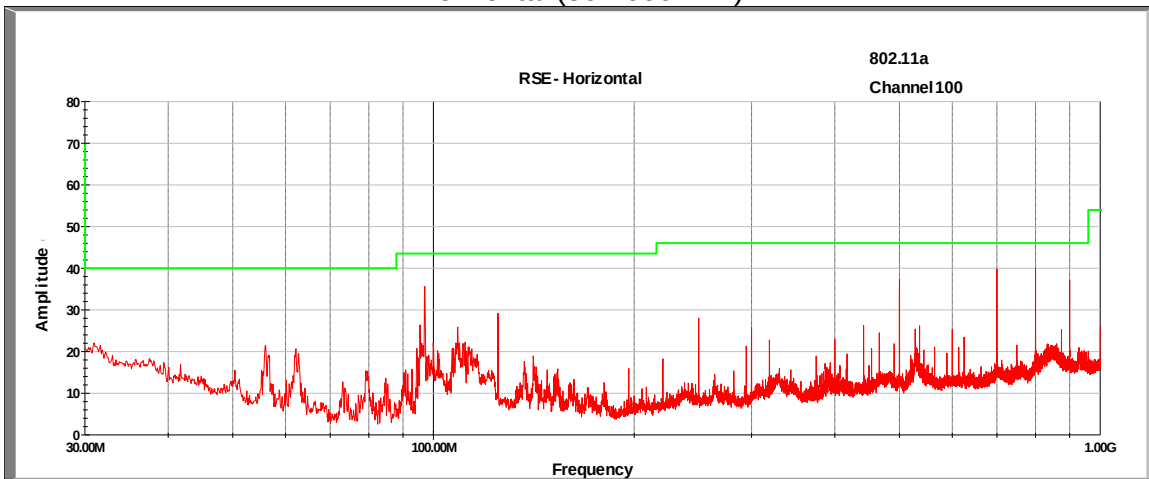
Channel 64
 Horizontal (18-40GHz)



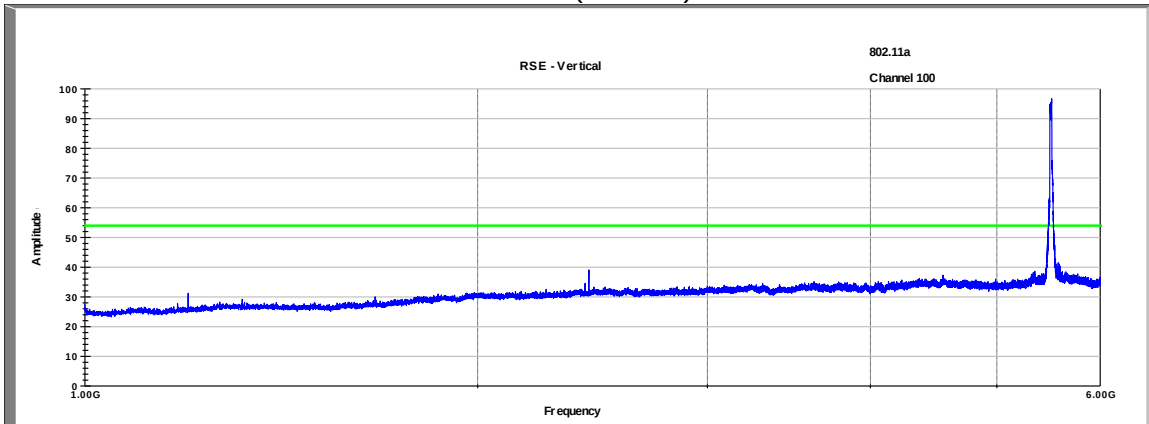
Channel 100
 Vertical (30-1000MHz)



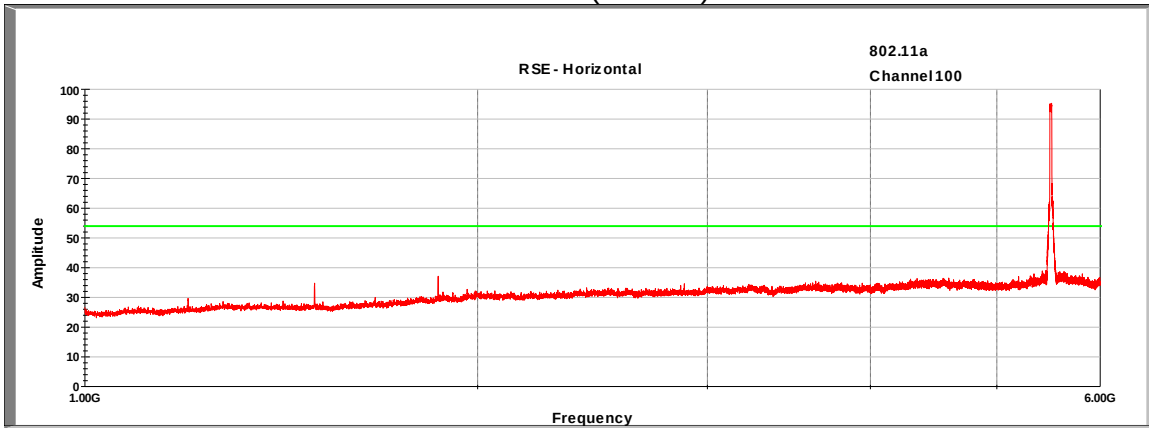
Channel 100
 Horizontal (30-1000MHz)



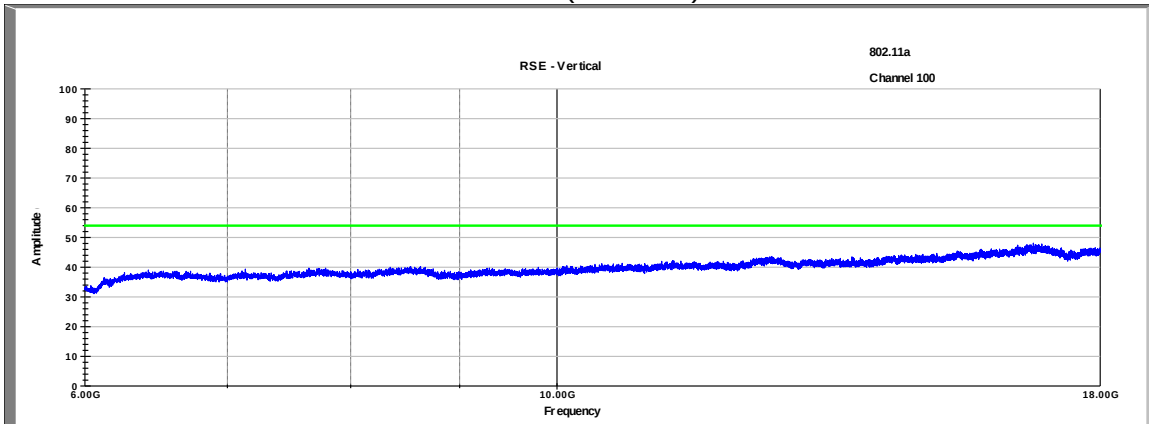
Channel 100
 Vertical (1-6GHz)



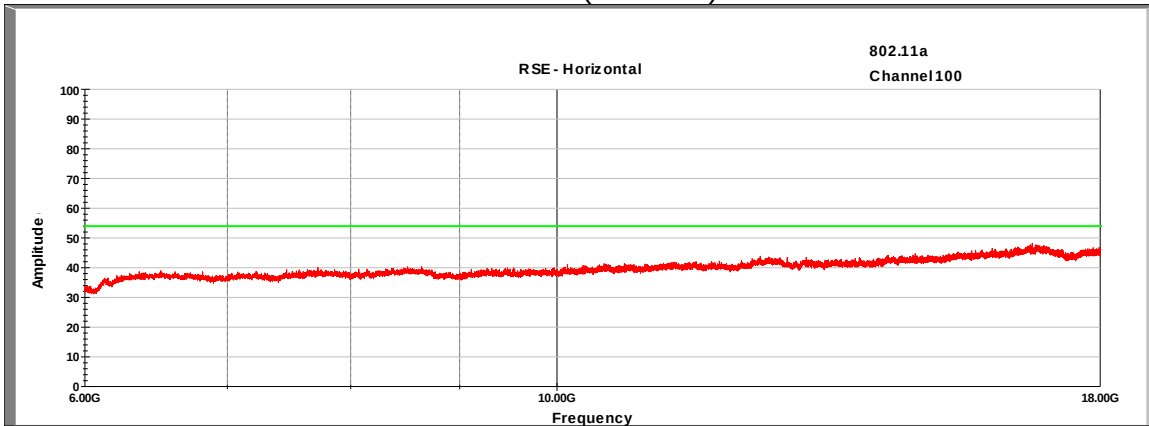
Channel 100
 Horizontal (1-6GHz)



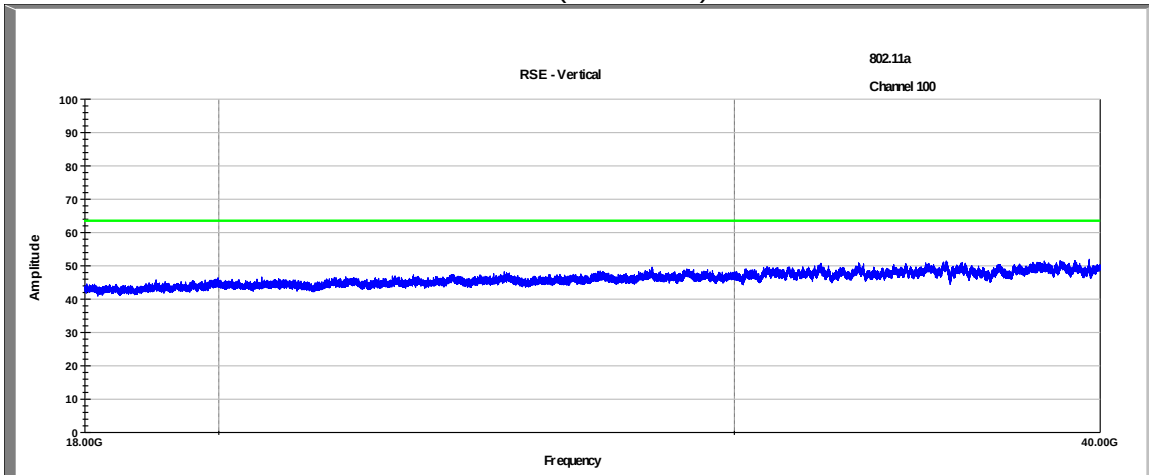
Channel 100
 Vertical (6-18GHz)



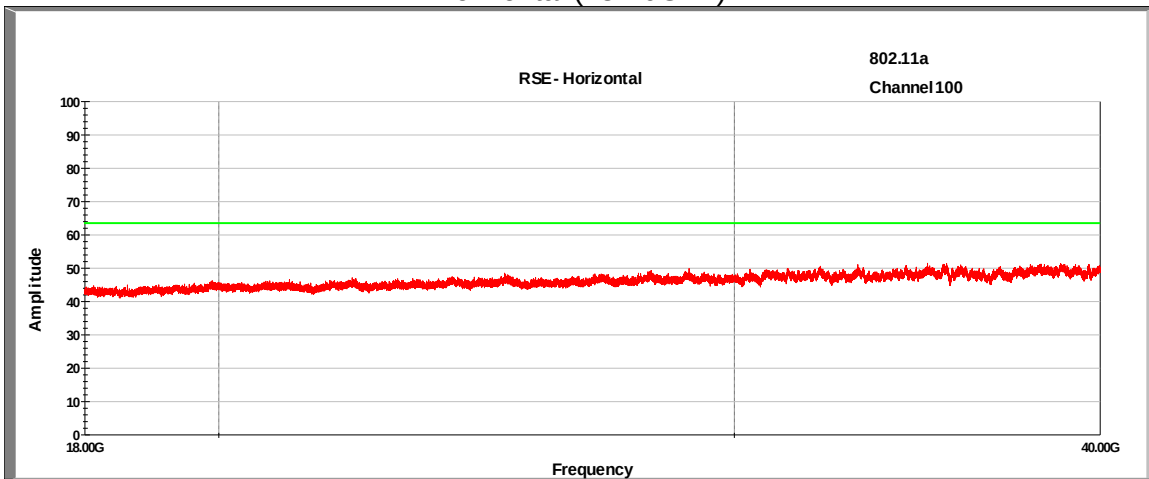
Channel 100
 Horizontal (6-18GHz)



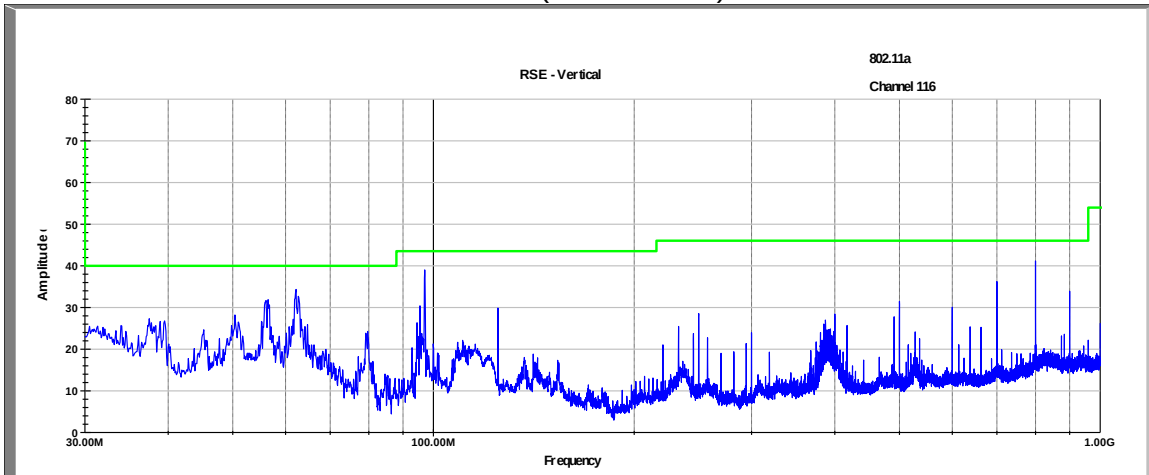
Channel 100
 Vertical (18-40GHz)



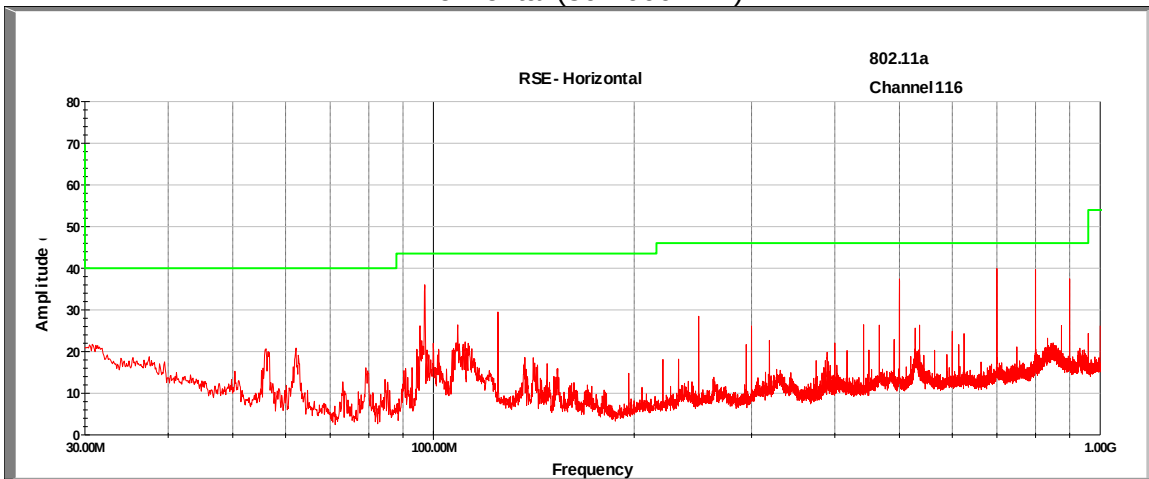
Channel 100
 Horizontal (18-40GHz)



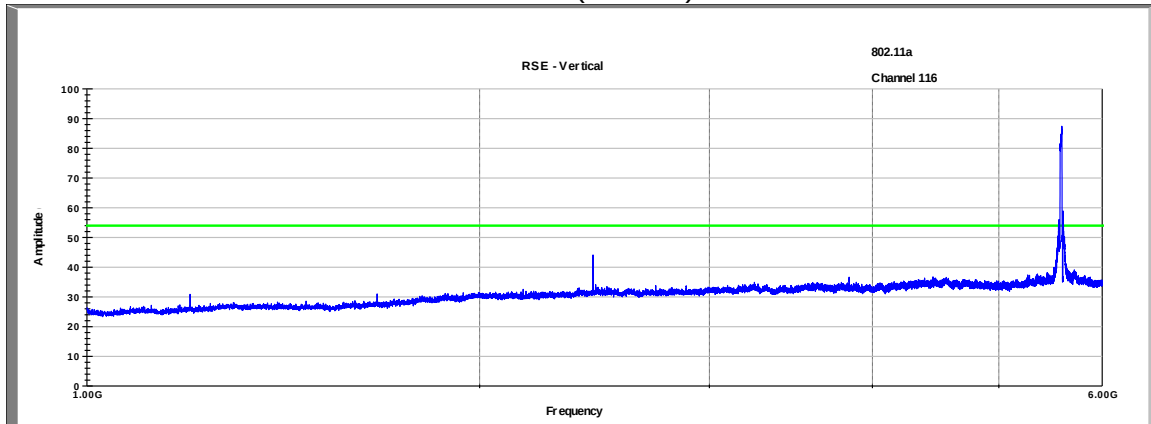
Channel 116
 Vertical (30-1000MHz)



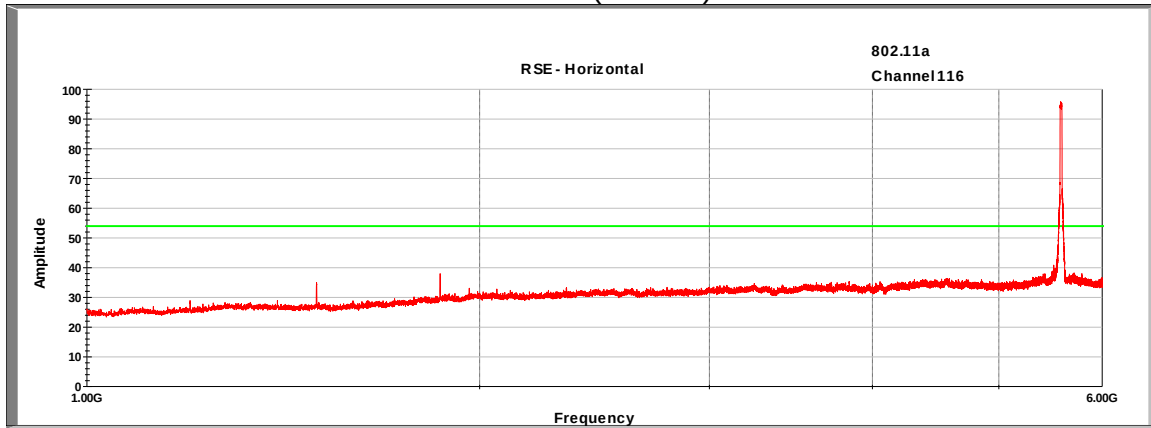
Channel 116
 Horizontal (30-1000MHz)



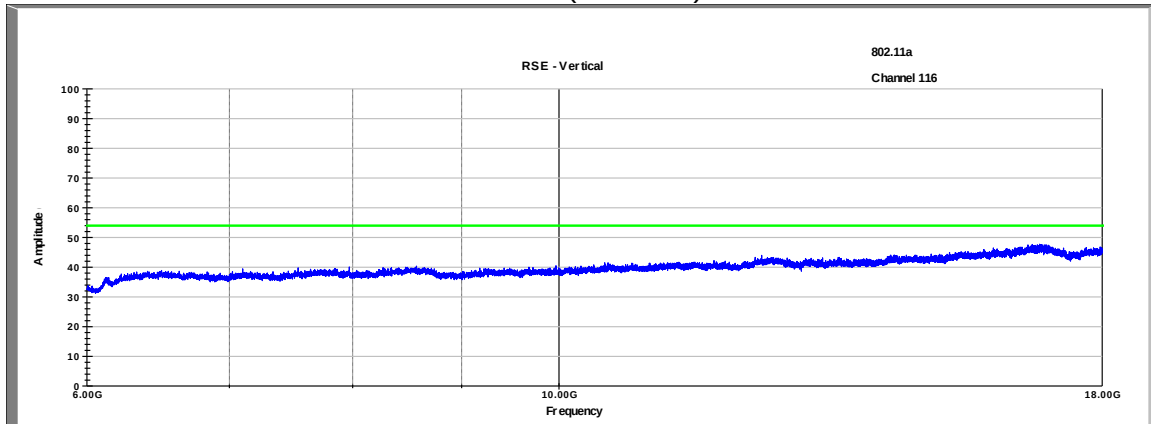
Channel 116
 Vertical (1-6GHz)



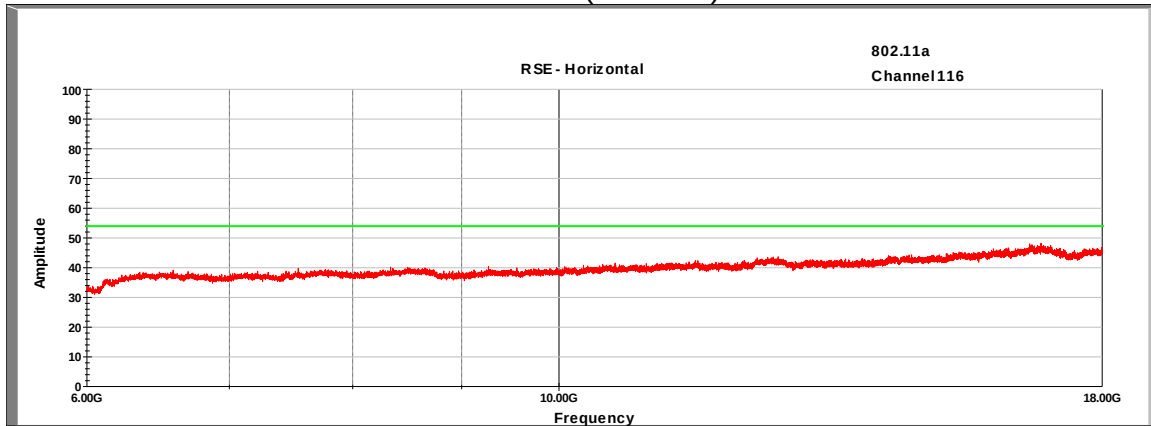
Channel 116
 Horizontal (1-6GHz)



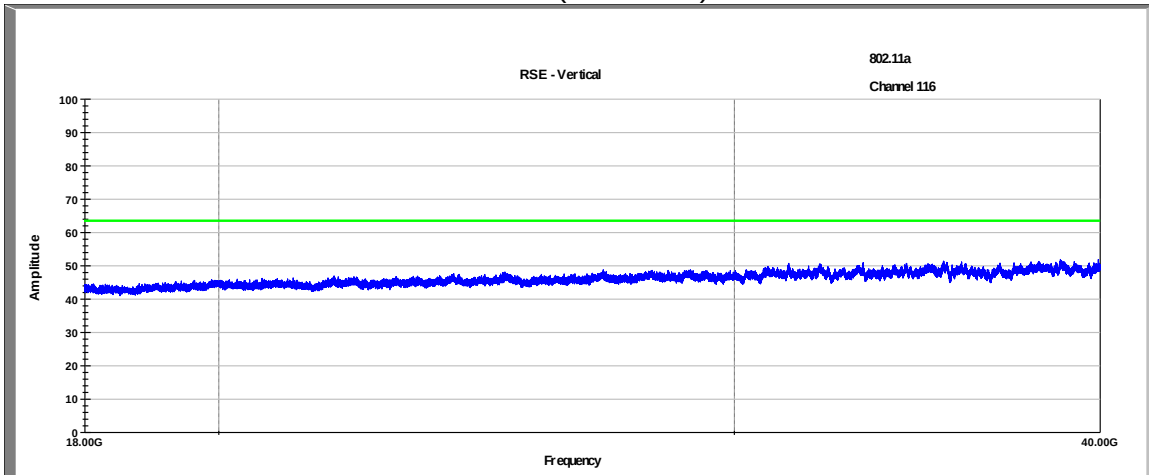
Channel 116
 Vertical (6-18GHz)



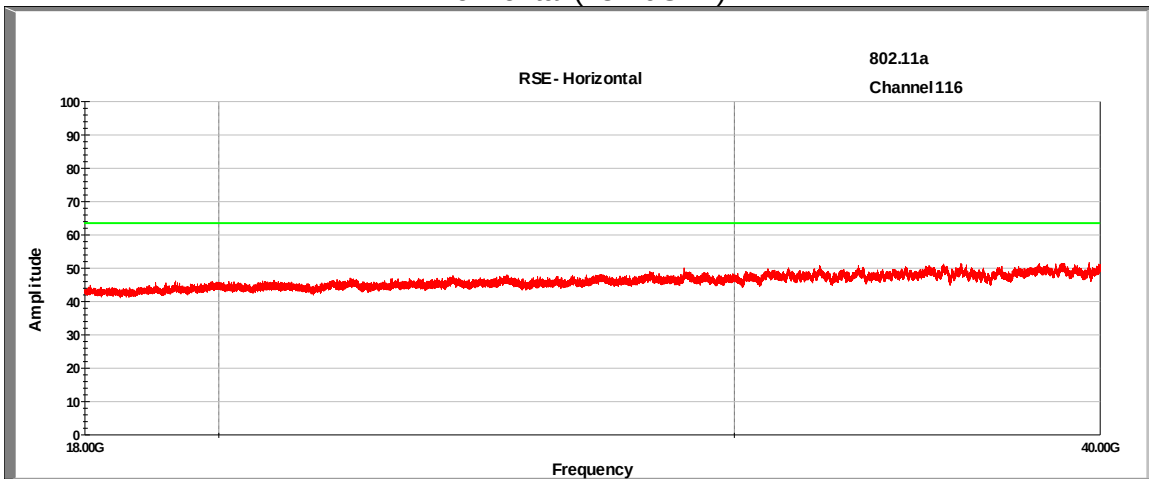
Channel 116
 Horizontal (6-18GHz)



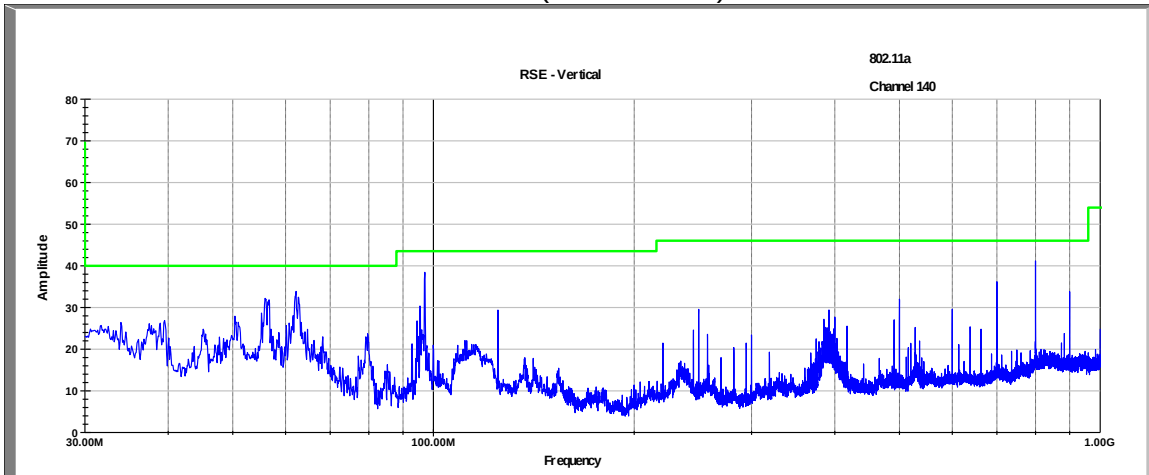
Channel 116
 Vertical (18-40GHz)



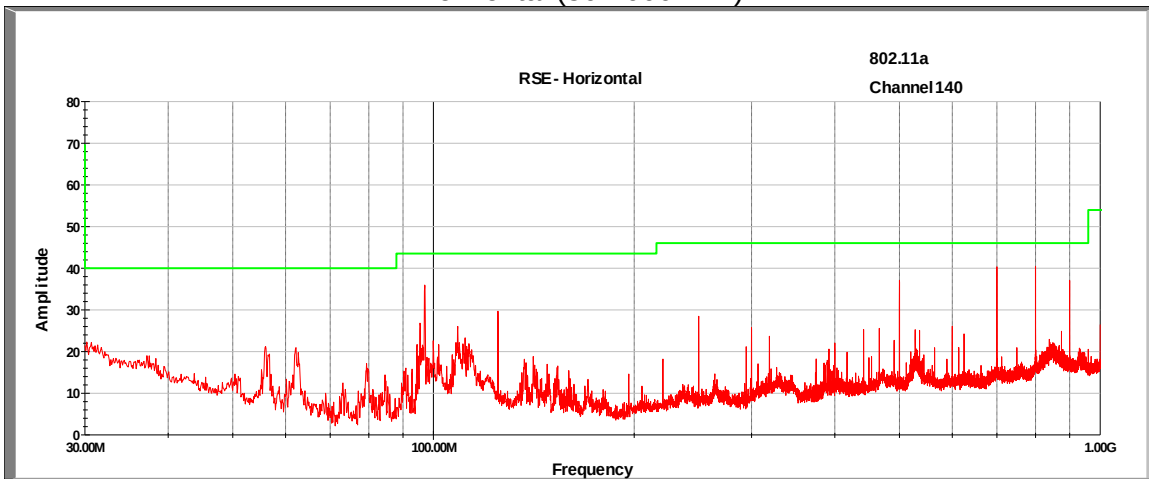
Channel 116
 Horizontal (18-40GHz)



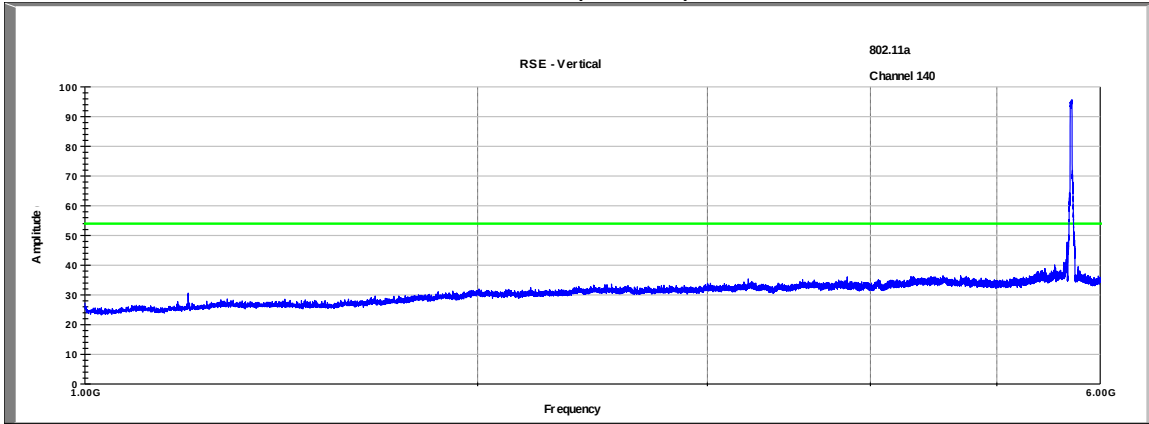
Channel 140
 Vertical (30-1000MHz)



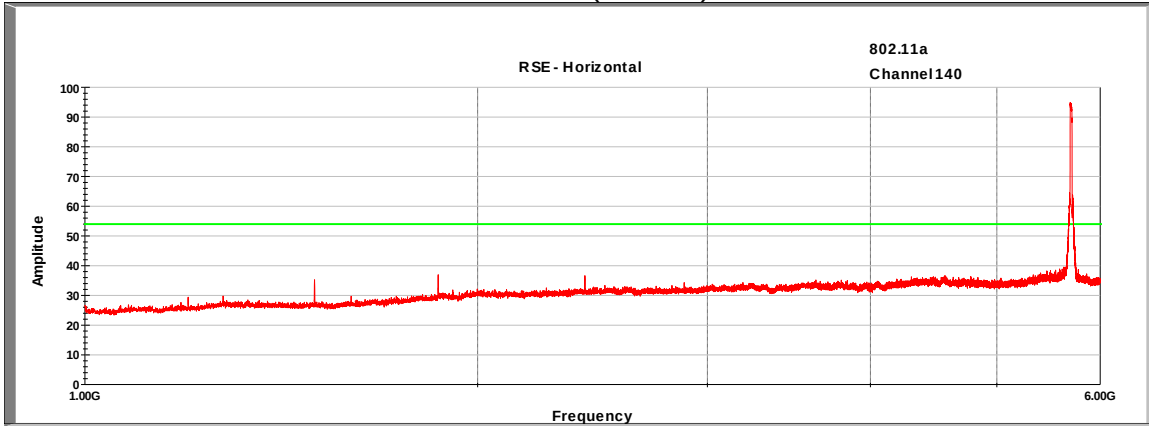
Channel 140
 Horizontal (30-1000MHz)



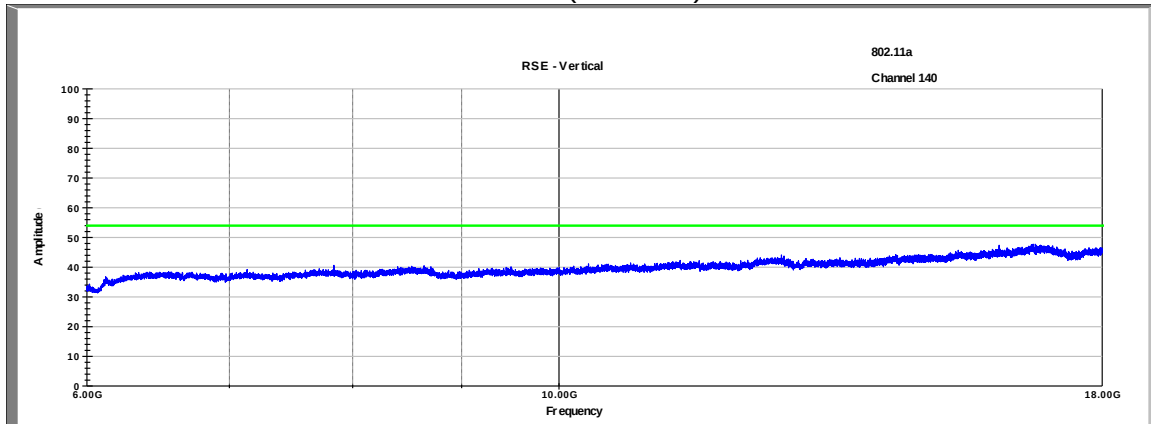
Channel 140
 Vertical (1-6GHz)



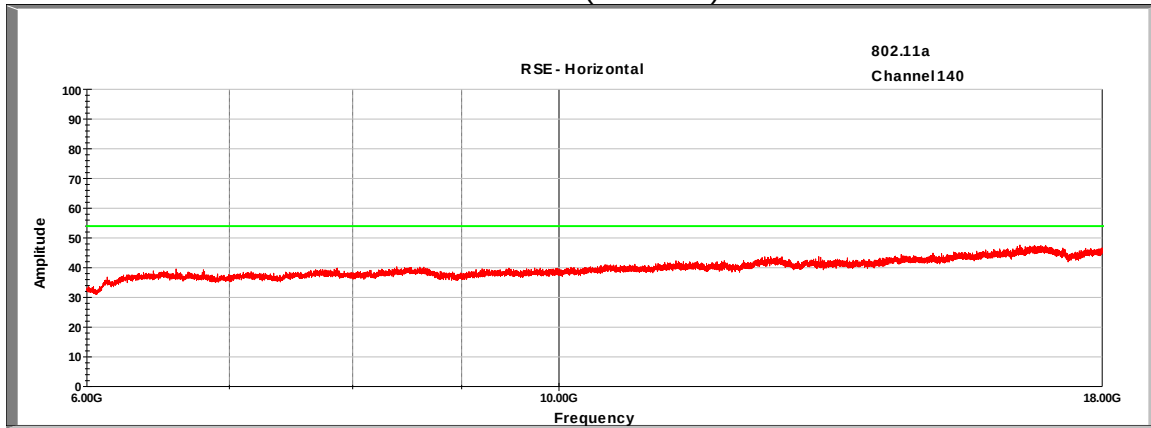
Channel 140
 Horizontal (1-6GHz)



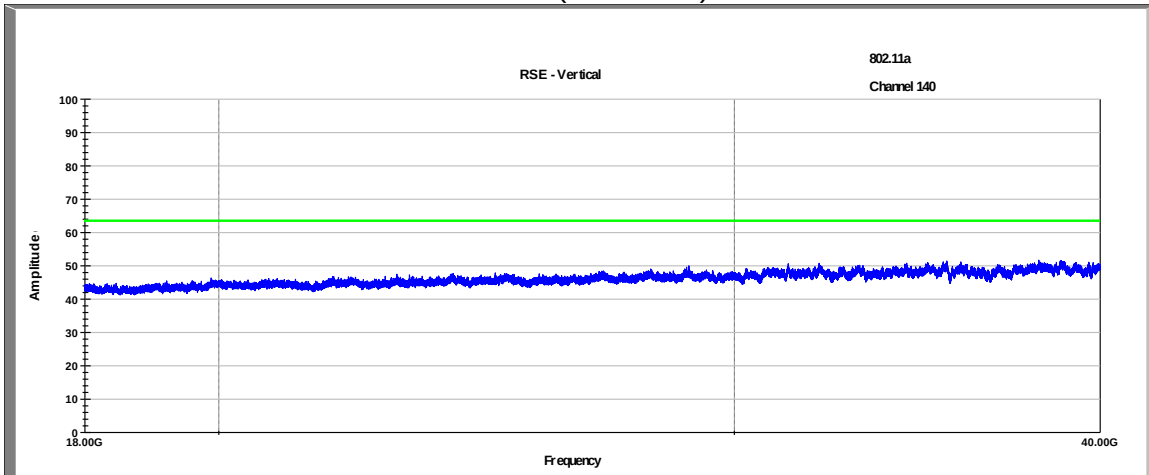
Channel 140
 Vertical (6-18GHz)



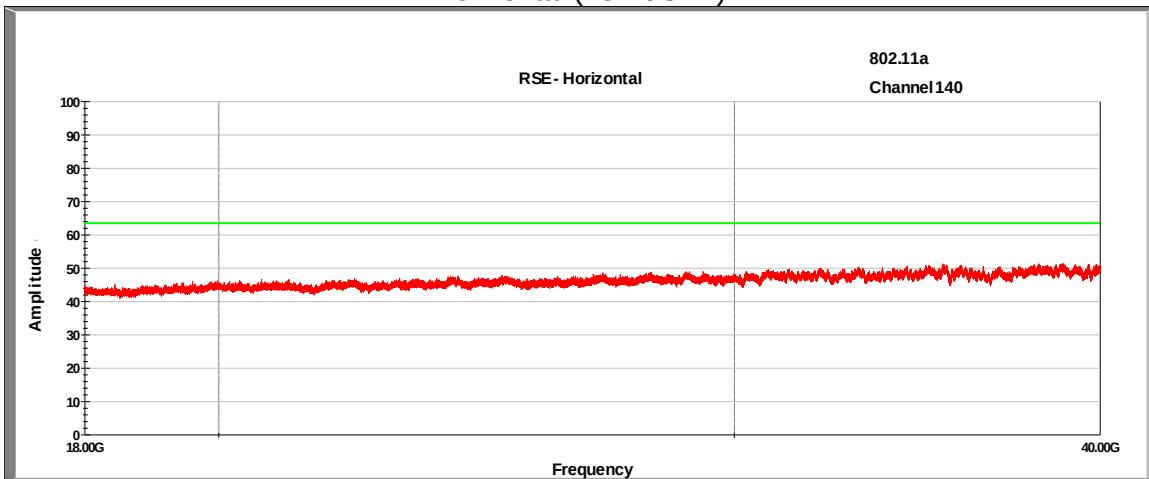
Channel 140
 Horizontal (6-18GHz)



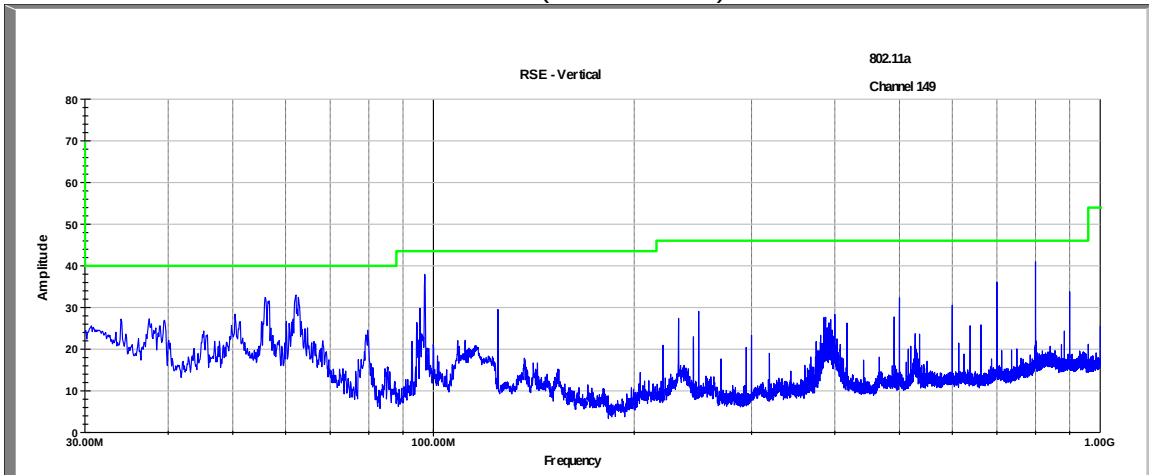
Channel 140
 Vertical (18-40GHz)



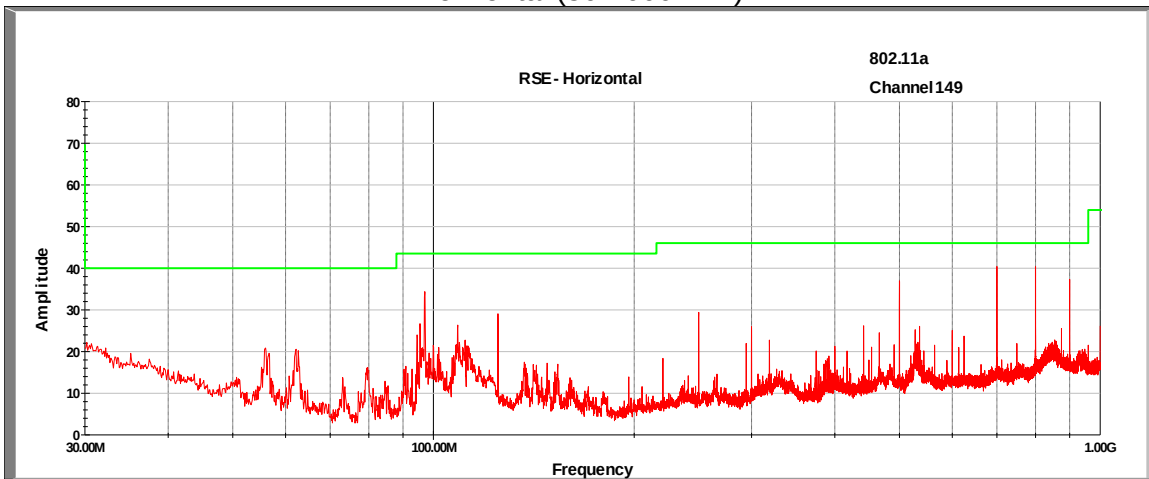
Channel 140
 Horizontal (18-40GHz)



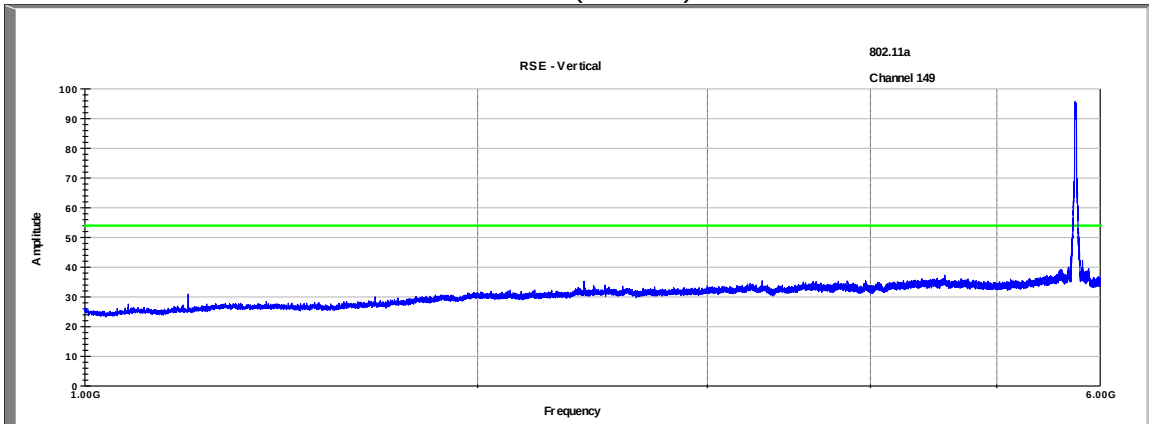
Channel 149
 Vertical (30-1000MHz)



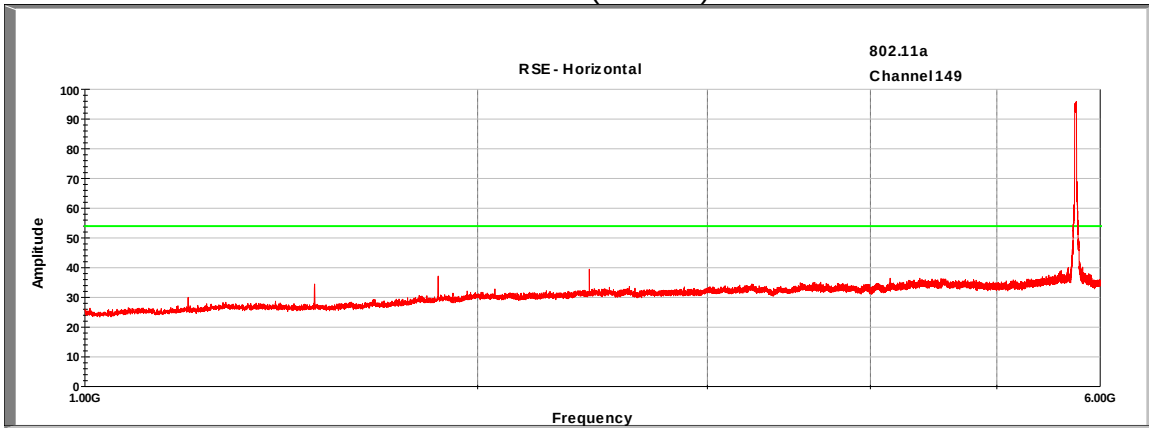
Channel 149
 Horizontal (30-1000MHz)



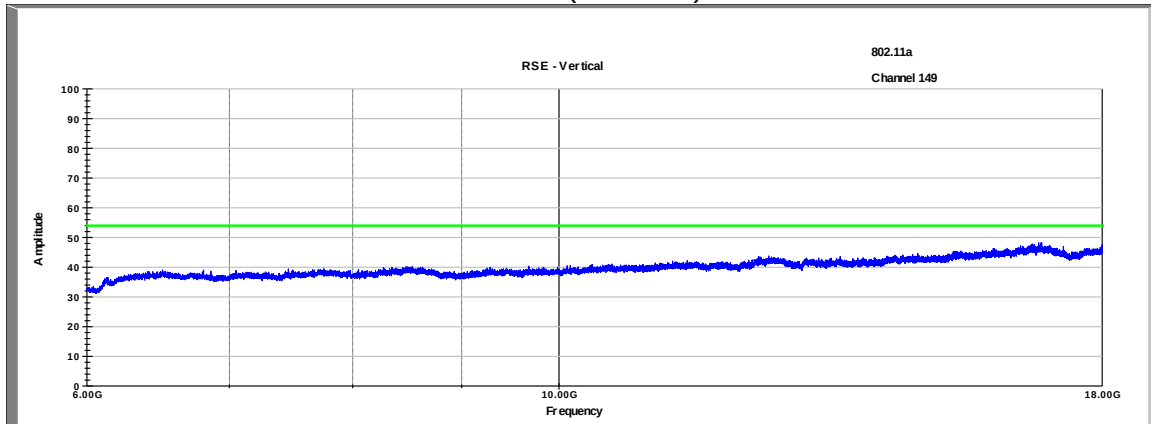
Channel 149
 Vertical (1-6GHz)



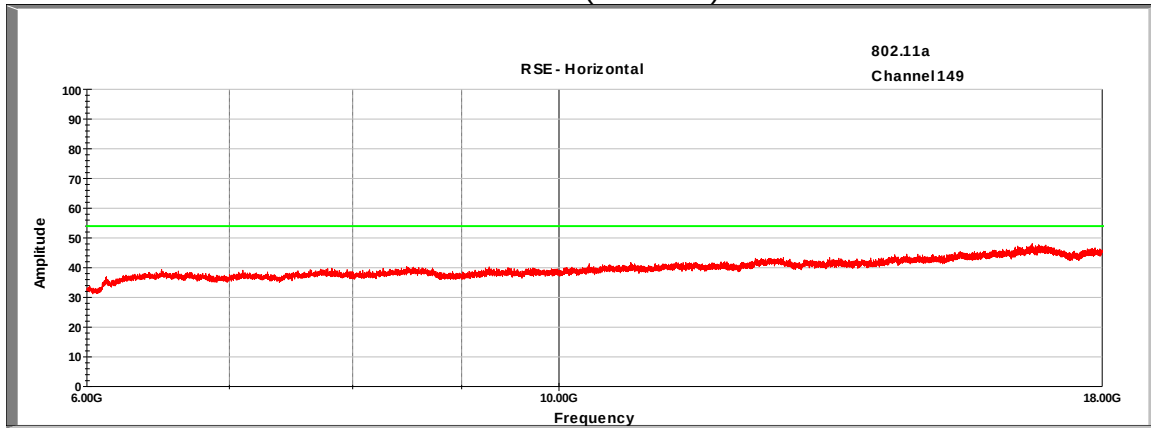
Channel 149
 Horizontal (1-6GHz)



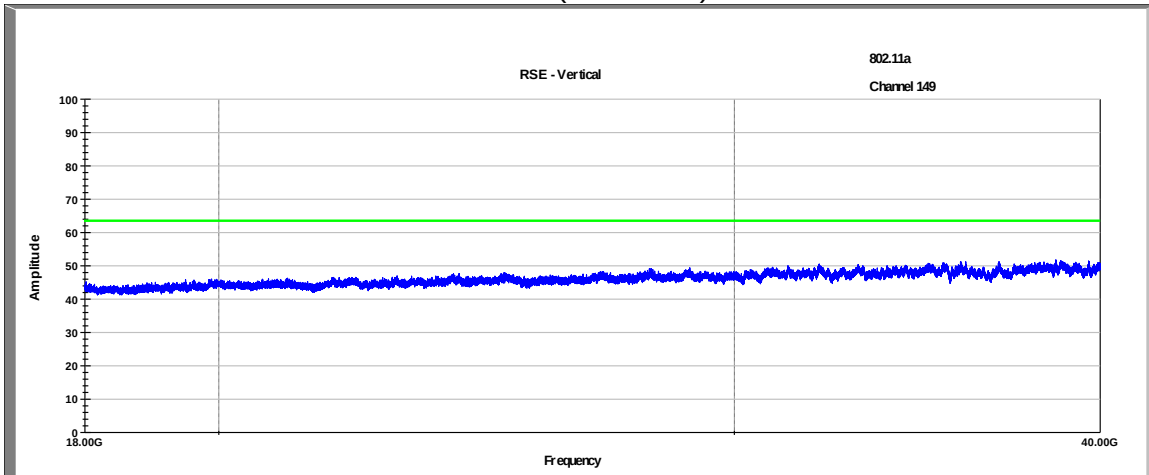
Channel 149
 Vertical (6-18GHz)



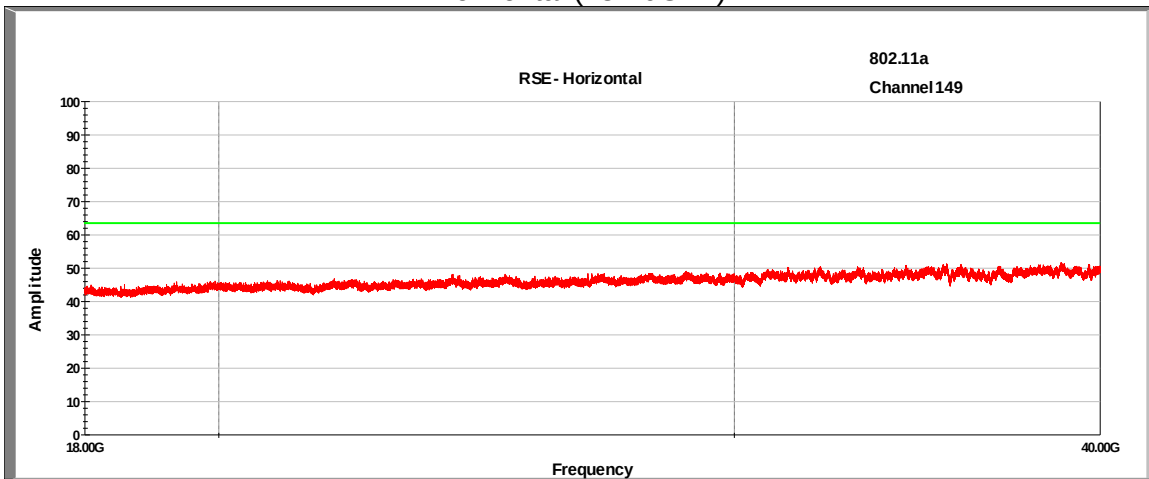
Channel 149
 Horizontal (6-18GHz)



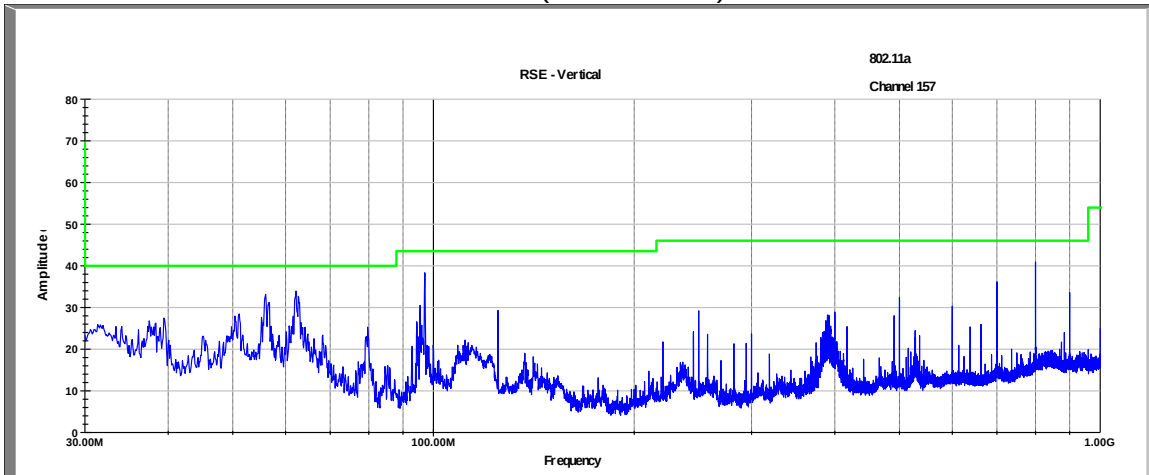
Channel 149
 Vertical (18-40GHz)



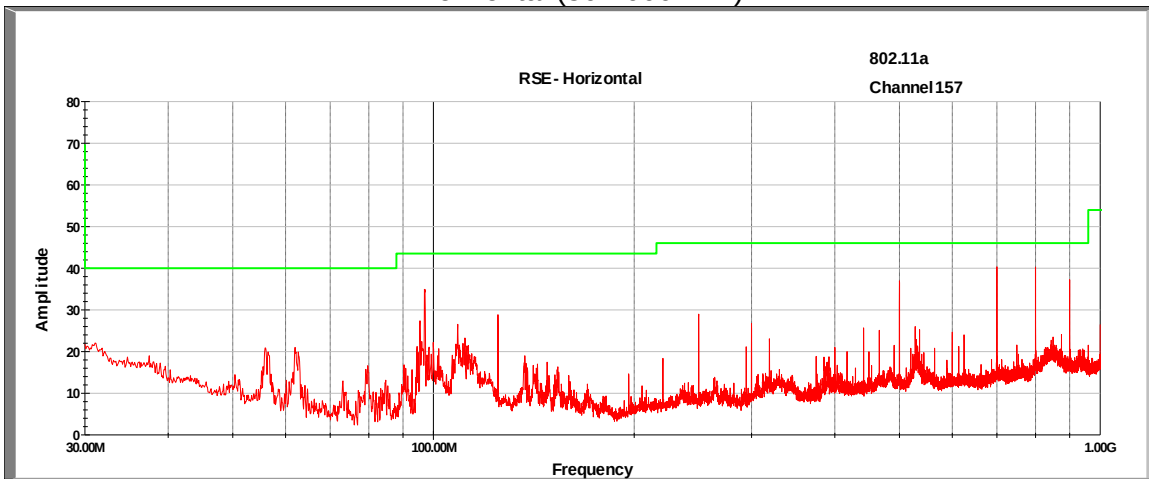
Channel 149
 Horizontal (18-40GHz)



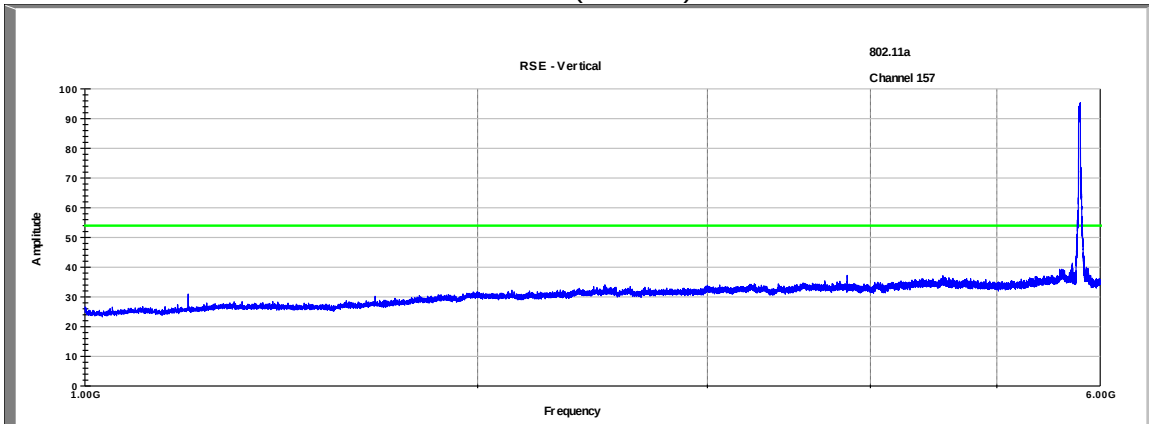
Channel 157
 Vertical (30-1000MHz)



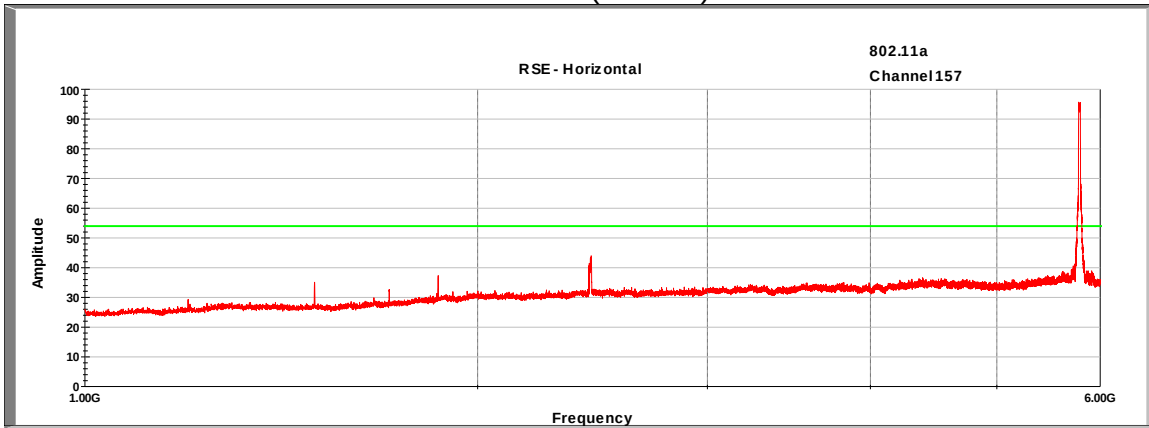
Channel 157
 Horizontal (30-1000MHz)



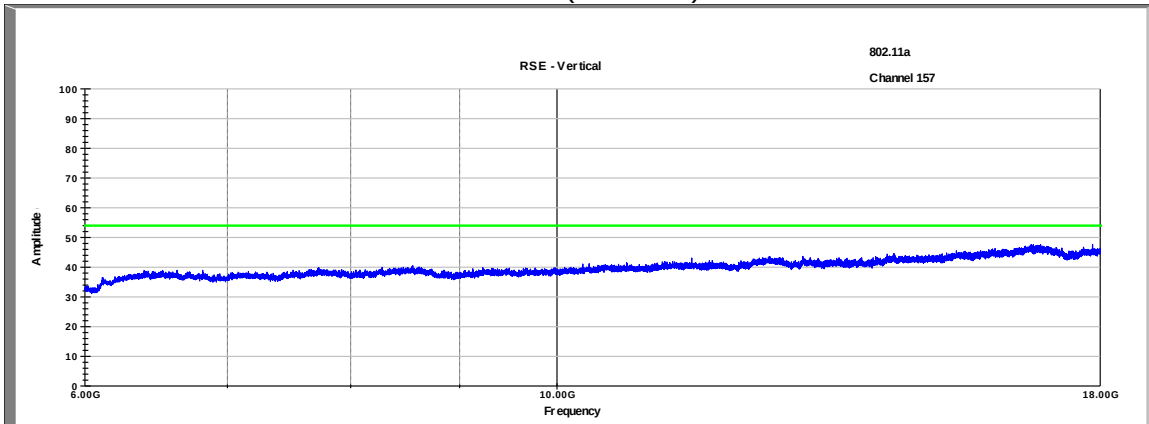
Channel 157
 Vertical (1-6GHz)



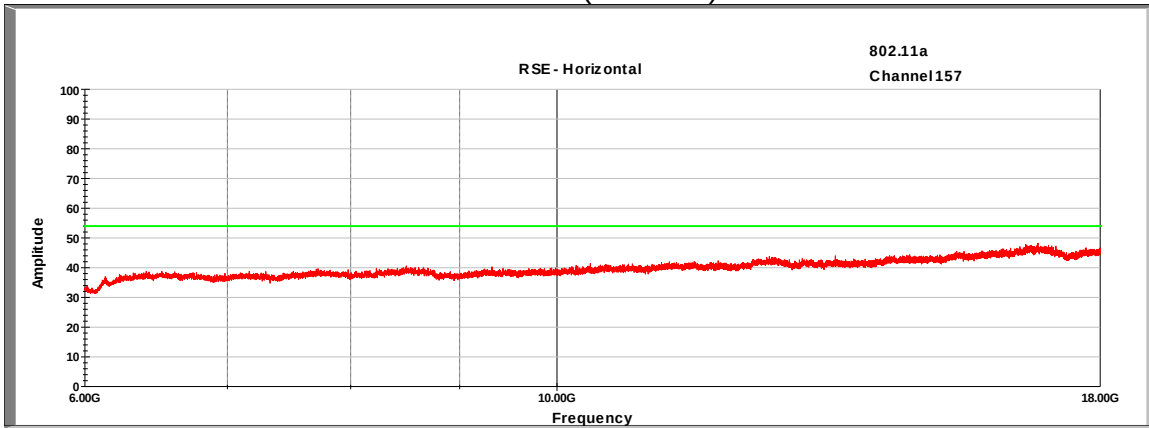
Channel 157
 Horizontal (1-6GHz)



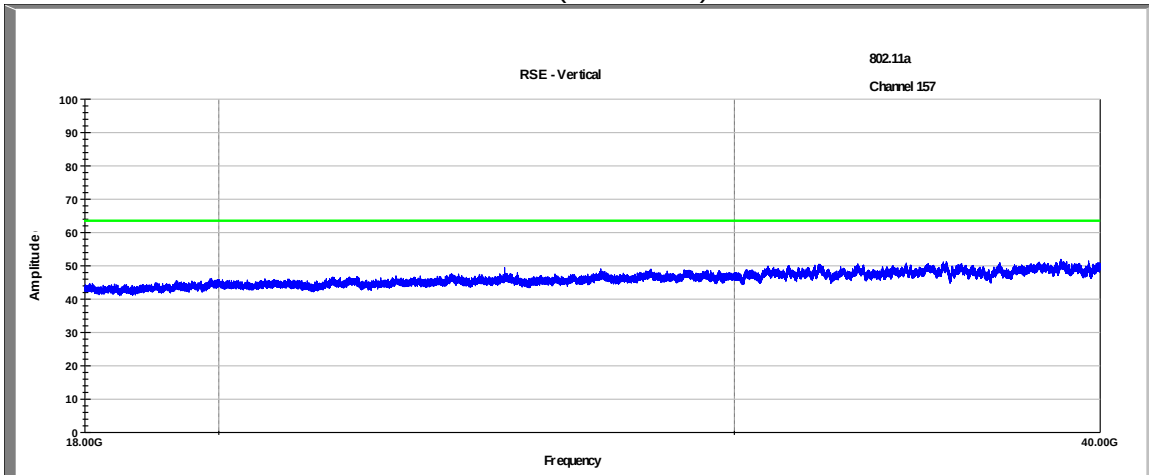
Channel 157
 Vertical (6-18GHz)



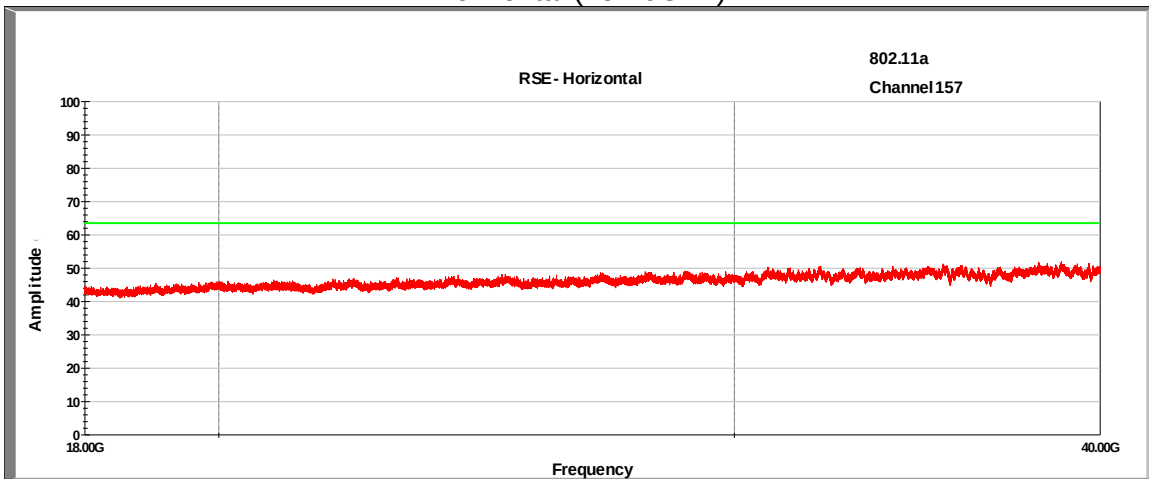
Channel 157
 Horizontal (6-18GHz)



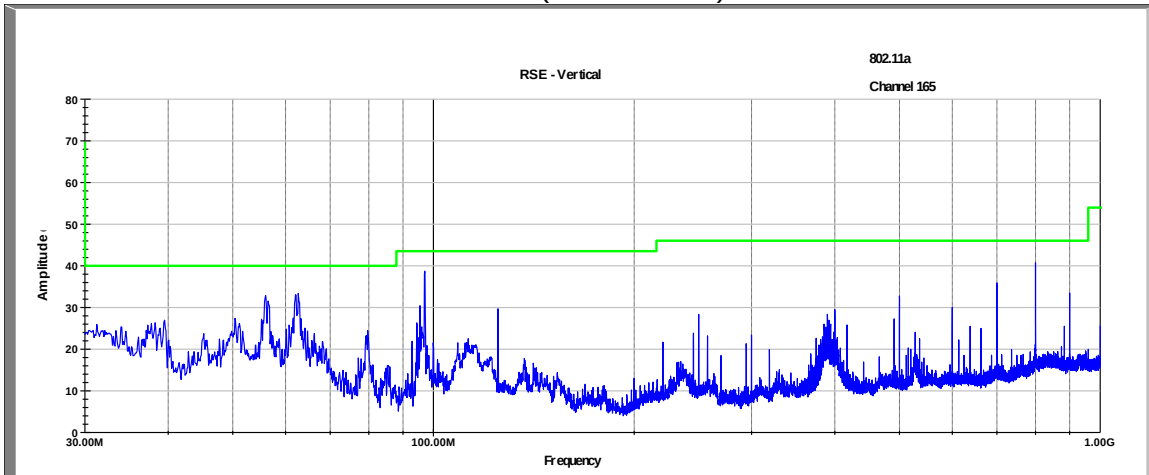
Channel 157
 Vertical (18-40GHz)



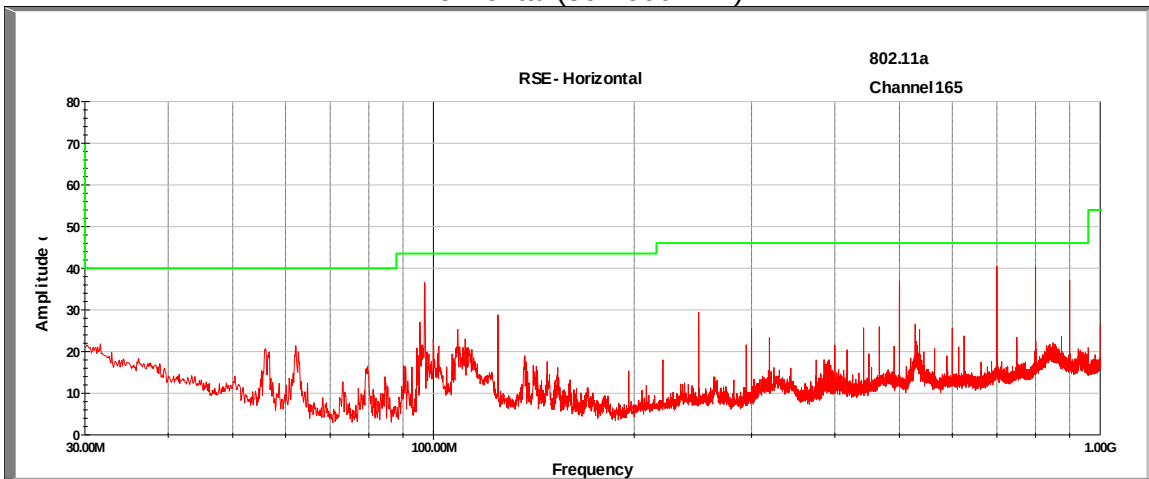
Channel 157
 Horizontal (18-40GHz)



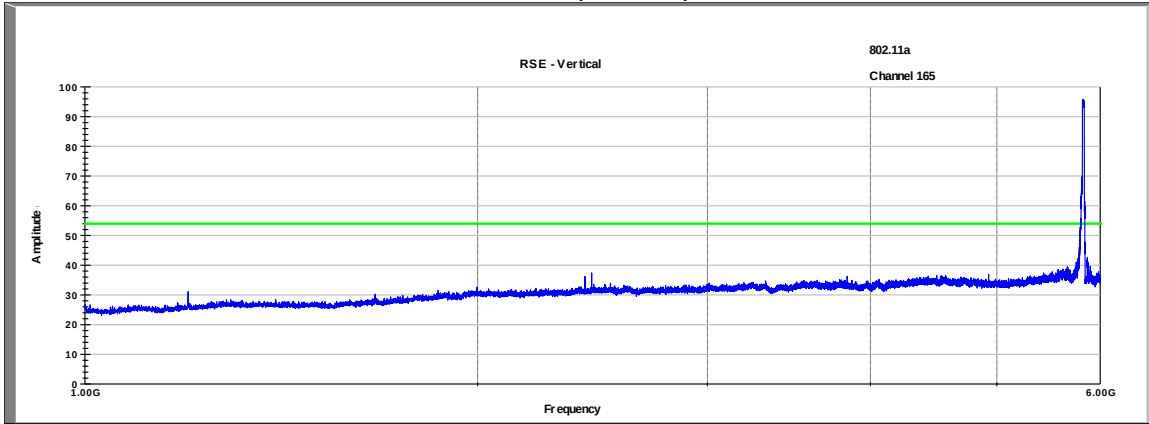
Channel 165
 Vertical (30-1000MHz)



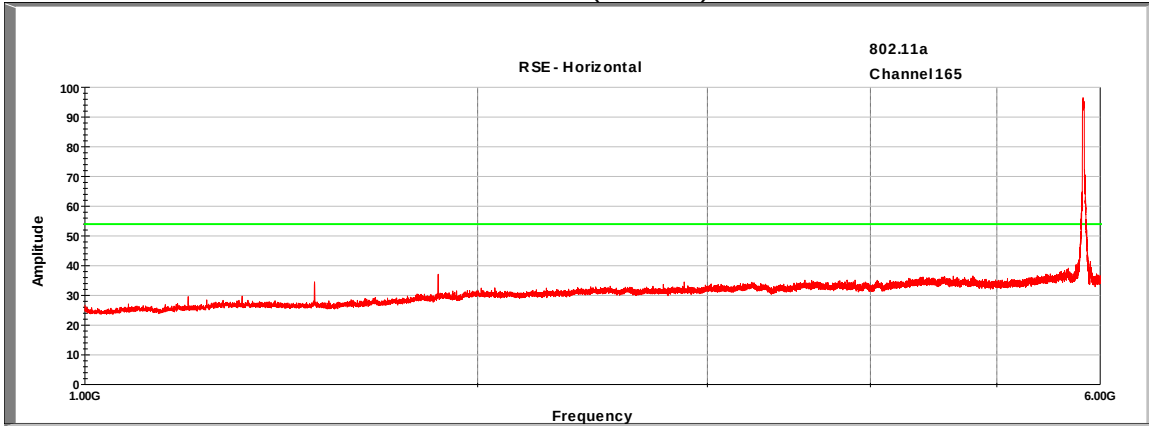
Channel 165
 Horizontal (30-1000MHz)



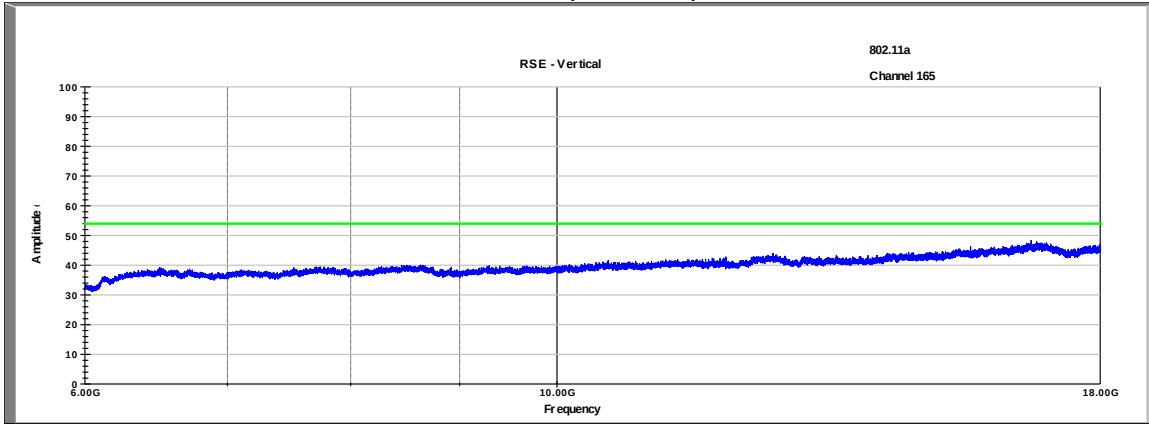
Channel 165
 Vertical (1-6GHz)



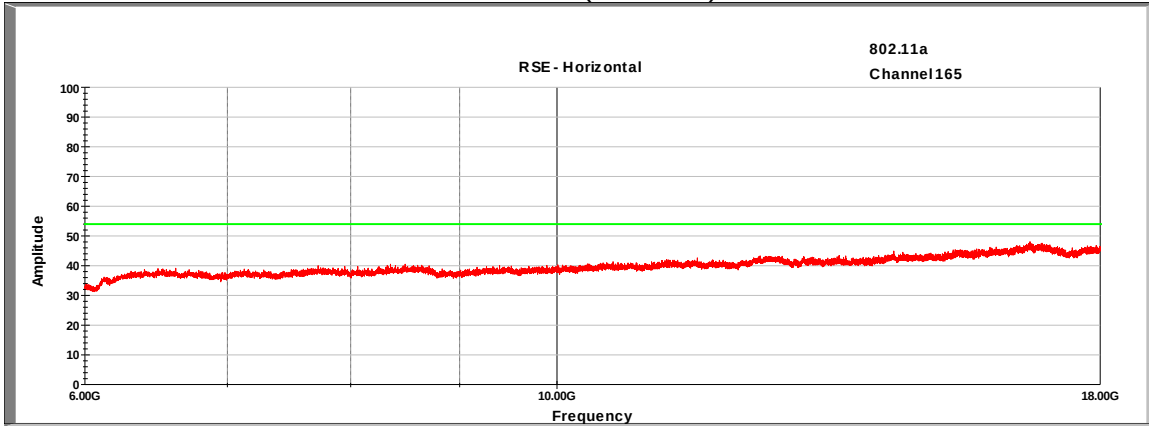
Channel 165
 Horizontal (1-6GHz)



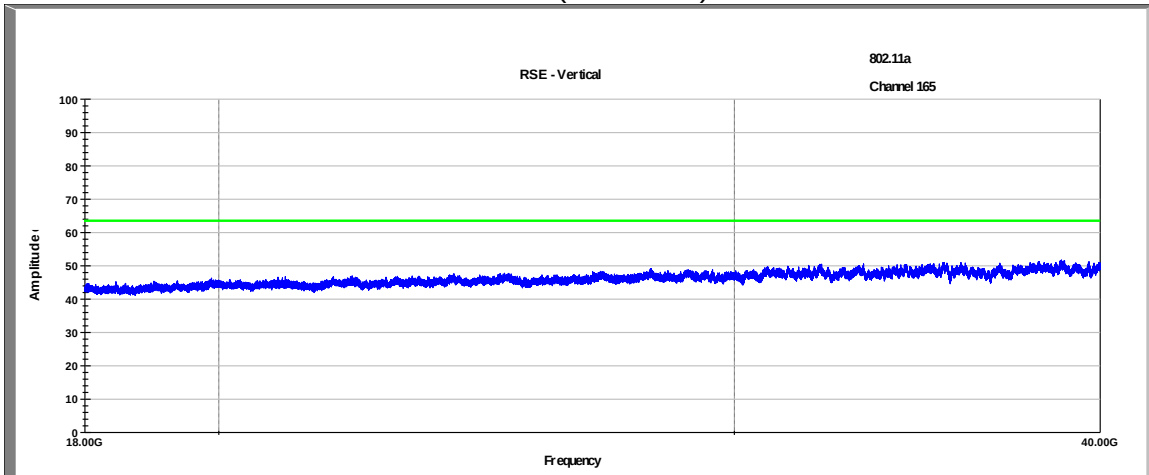
Channel 165
 Vertical (6-18GHz)



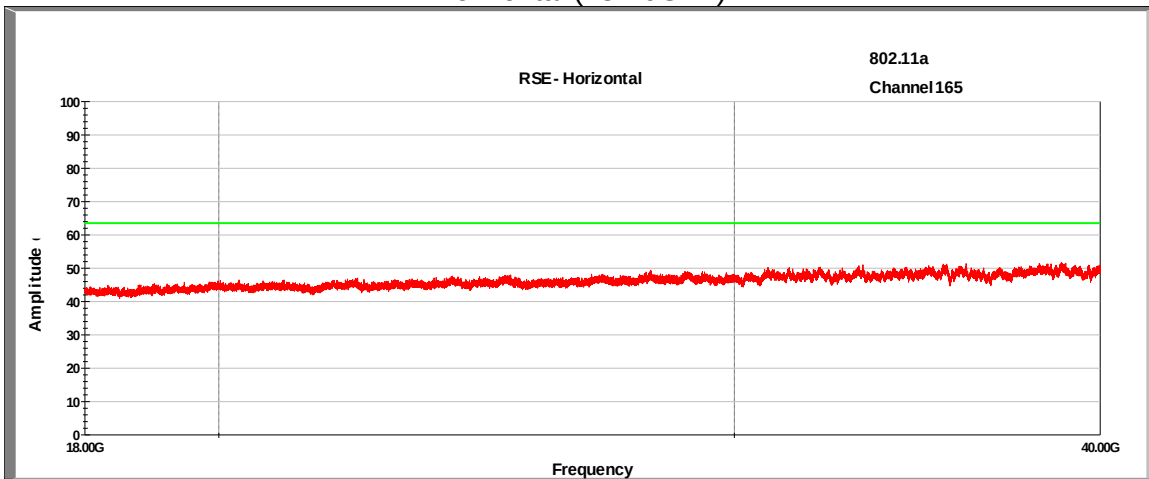
Channel 165
 Horizontal (6-18GHz)



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: 21.2%

7.4 Test Equipment

Test End Date: 12-Dec-2017

Tester: JOP

Equipment	Model	Manufacturer	Asset Number	Cal Due Date
EMI TEST RECEIVER	ESU8	ROHDE & SCHWARZ	B085759	25-Jul-2018
LINE IMPEDANCE STABILIZATION NETWORK	NNB 51	TESEQ	B085882	8-Nov-2018
RF CABLE	CBL-25FT-NMNM	MINI-CIRCUITS	B094941	25-Jul-2018

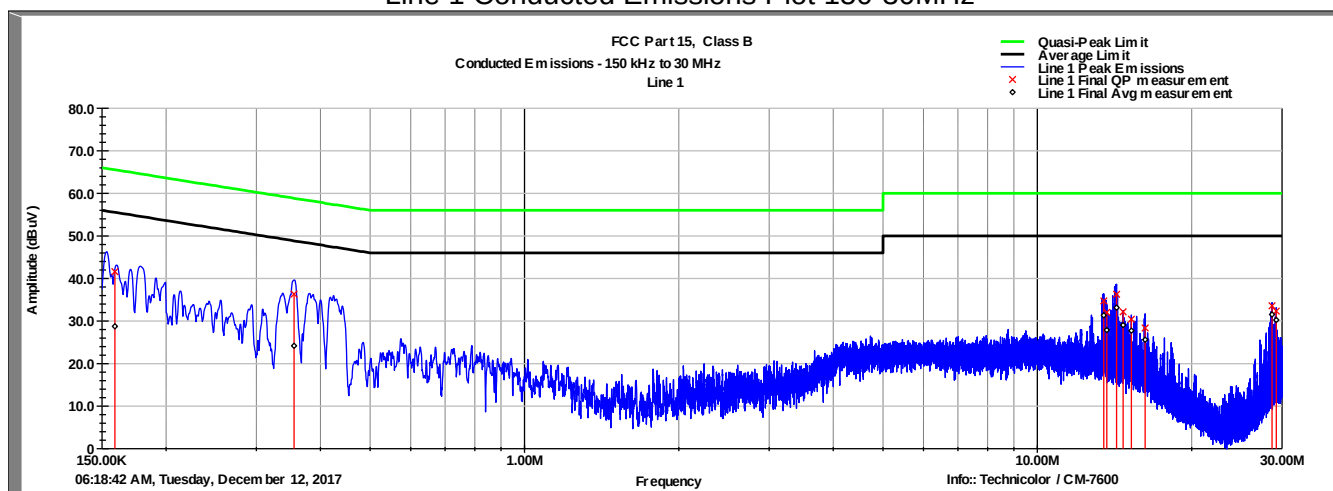
Note: The equipment calibration period is 1 year.

Software:

"Conducted Emissions" TILE! profile dated Dec 2015

7.5 Test Data

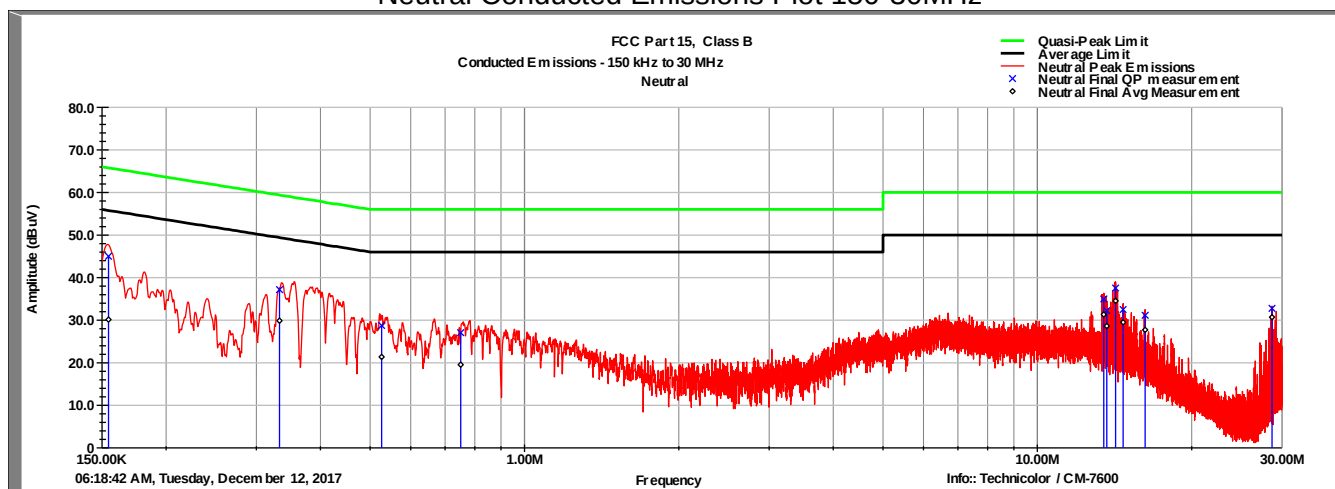
Line 1 Conducted Emissions Plot 150-30MHz



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	41.6	65.5	-24.0	28.7	55.5	-26.8
0.355	36.3	58.8	-22.5	24.2	48.8	-24.6
13.479	34.7	60.0	-25.3	31.3	50.0	-18.7
13.662	32.0	60.0	-28.0	27.9	50.0	-22.1
14.273	36.3	60.0	-23.7	33.1	50.0	-16.9
14.701	32.2	60.0	-27.8	29.0	50.0	-21.0
15.251	30.4	60.0	-29.6	27.7	50.0	-22.3
16.231	28.3	60.0	-31.7	25.6	50.0	-24.4
28.685	33.6	60.0	-26.4	31.5	50.0	-18.5
29.234	32.3	60.0	-27.7	30.2	50.0	-19.8

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
0.155	45.0	65.7	-20.7	30.1	55.7	-25.6
0.333	37.2	59.4	-22.2	29.9	49.4	-19.5
0.527	28.7	56.0	-27.3	21.4	46.0	-24.6
0.751	27.1	56.0	-28.9	19.5	46.0	-26.5
13.481	35.0	60.0	-25.0	31.3	50.0	-18.7
13.661	32.2	60.0	-27.8	28.6	50.0	-21.4
14.212	37.6	60.0	-22.4	34.5	50.0	-15.5
14.700	32.5	60.0	-27.5	29.5	50.0	-20.5
16.227	31.1	60.0	-28.9	27.7	50.0	-22.3
28.685	32.8	60.0	-27.2	30.7	50.0	-19.3

8 Revision History

Revision Level	Description of changes	Revision Date
--	Initial release	05 January 2018