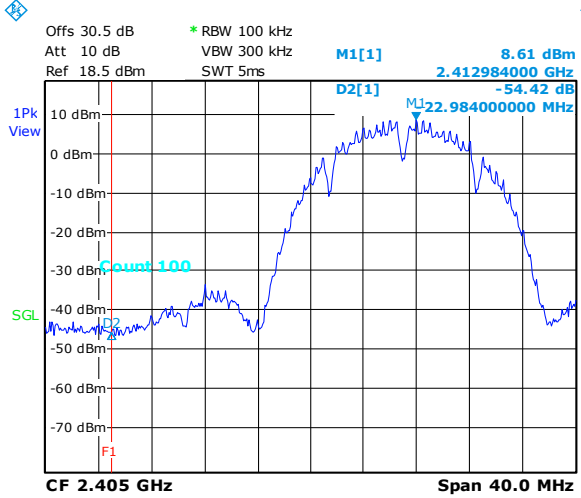
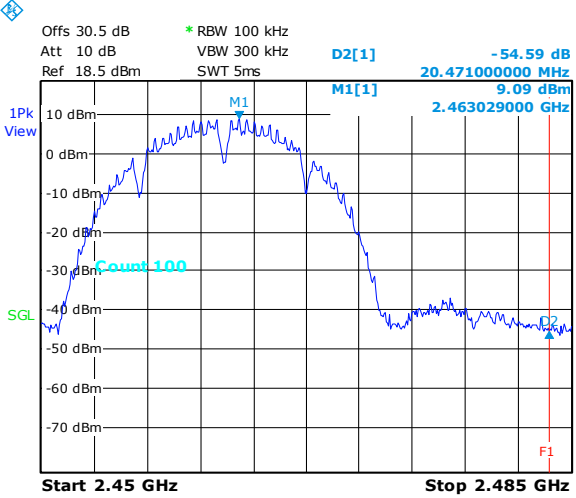


802.11b
Lower band edge / Upper band edge

1MB

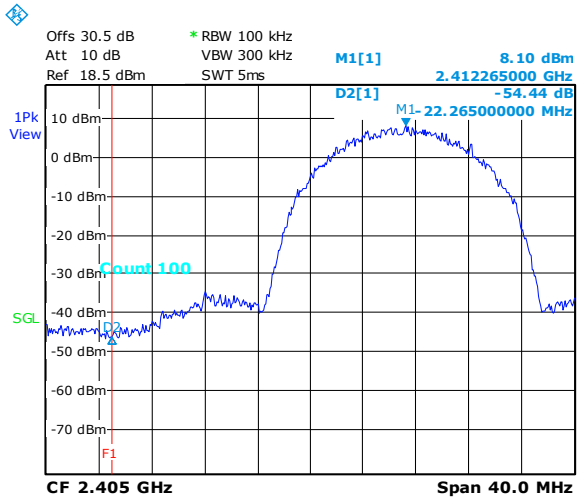


Date: 26.FEB.2013 12:02:03

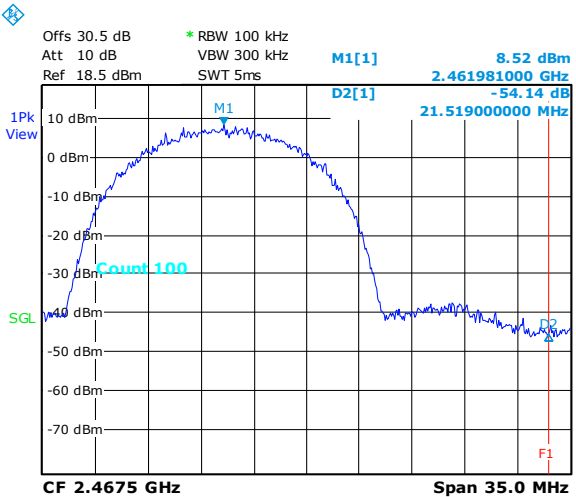


Date: 26.FEB.2013 12:53:28

11MB

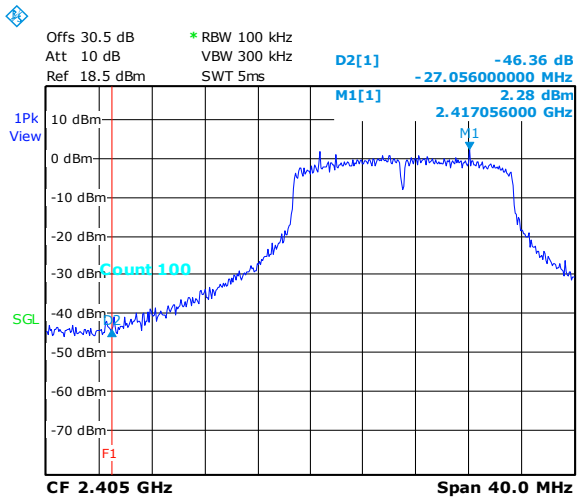


Date: 26.FEB.2013 12:02:57

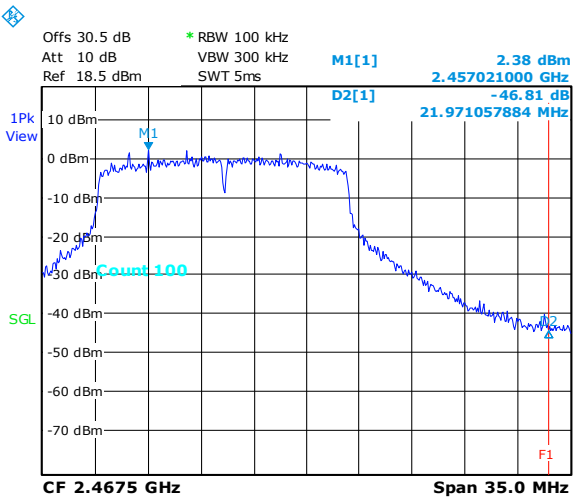


Date: 26.FEB.2013 12:54:15

802.11g
Lower band edge / Upper band edge
6MB

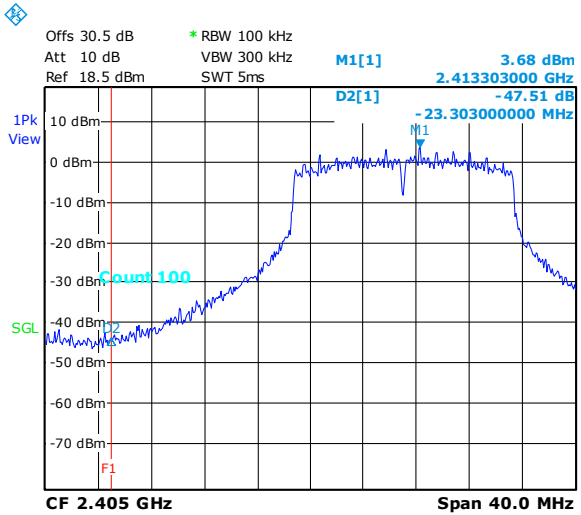


Date: 26.FEB.2013 12:04:23

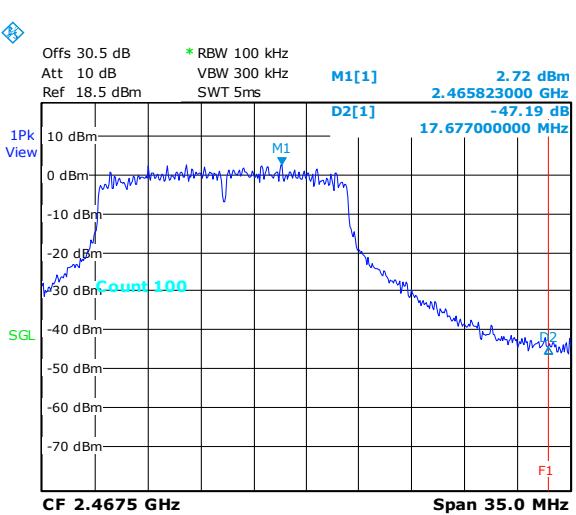


Date: 26.FEB.2013 13:00:04

36MB

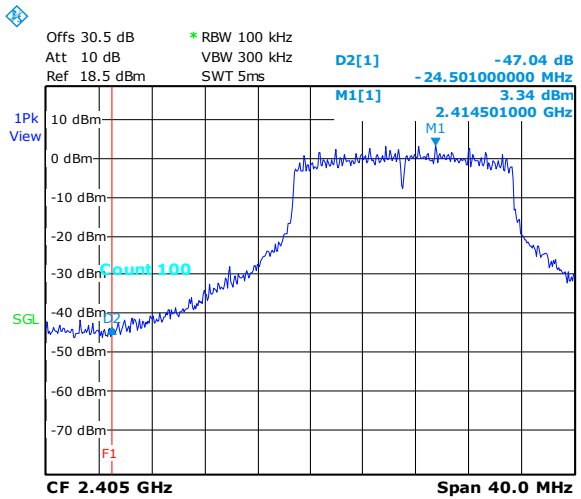


Date: 26.FEB.2013 12:13:31

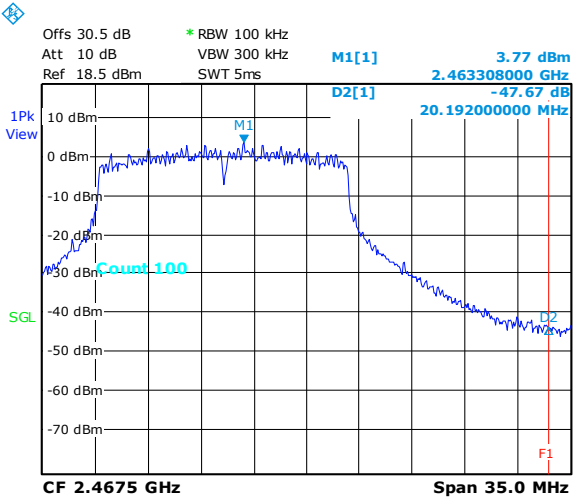


Date: 26.FEB.2013 13:00:40

54MB

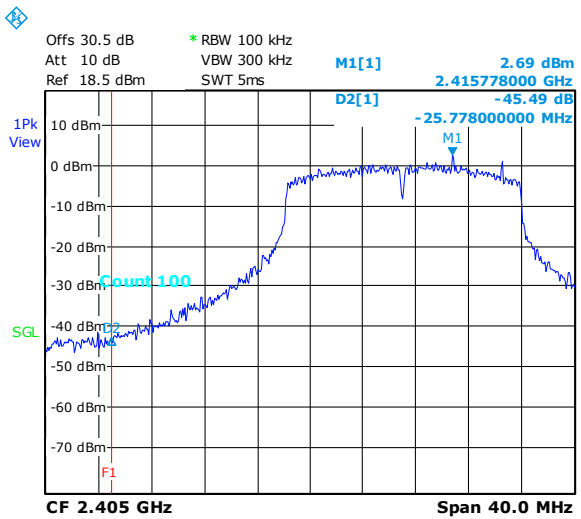


Date: 26.FEB.2013 12:05:31

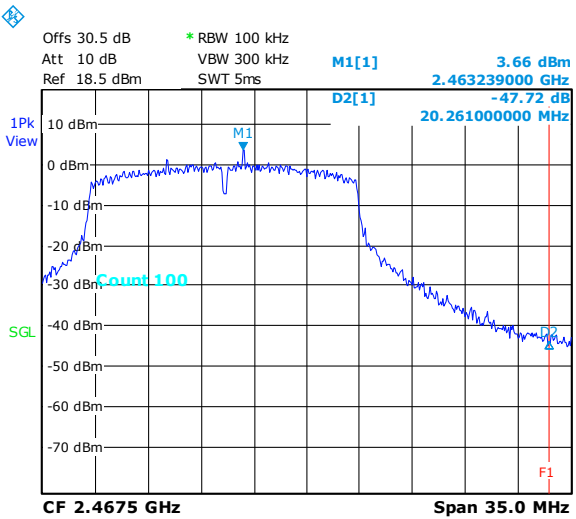


Date: 26.FEB.2013 13:01:14

802.11n
MCS0

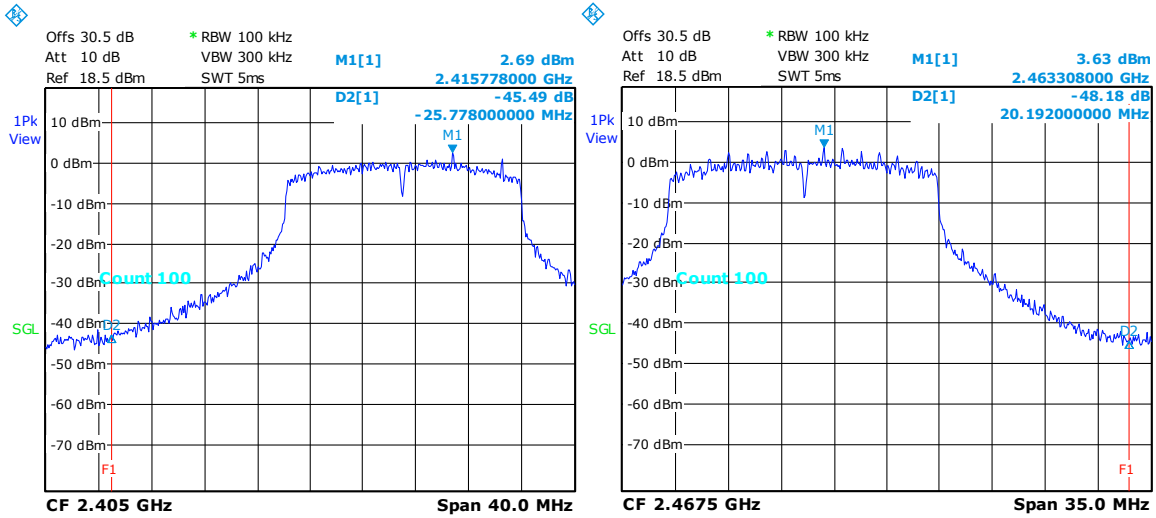


Date: 26.FEB.2013 12:08:39



Date: 26.FEB.2013 13:02:14

MCS7

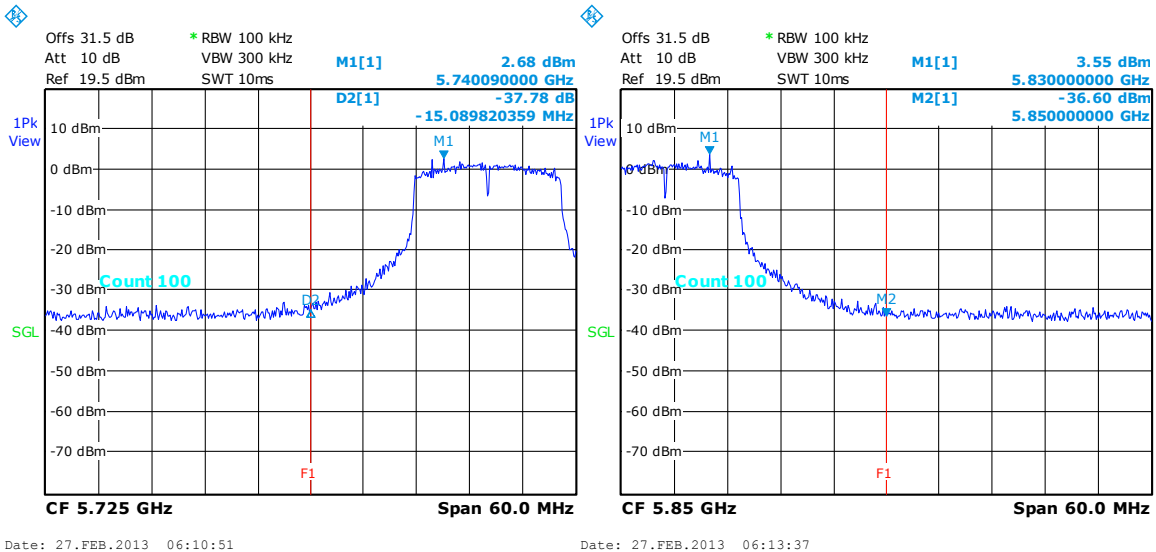


Date: 26.FEB.2013 12:08:39

Date: 26.FEB.2013 13:02:47

802.11a

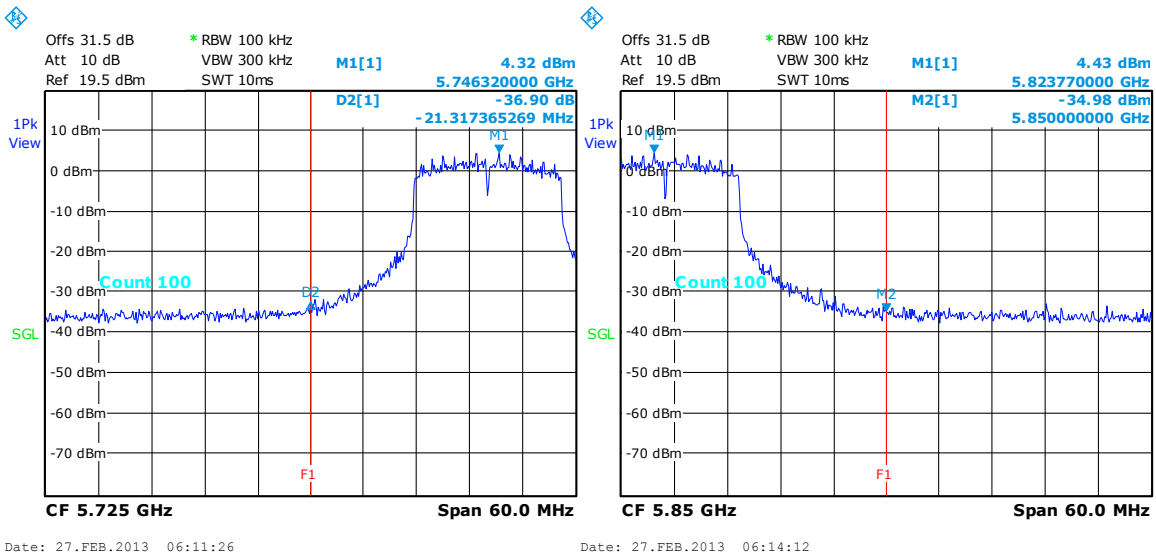
Lower band edge / Upper band edge
6MB



Date: 27.FEB.2013 06:10:51

Date: 27.FEB.2013 06:13:37

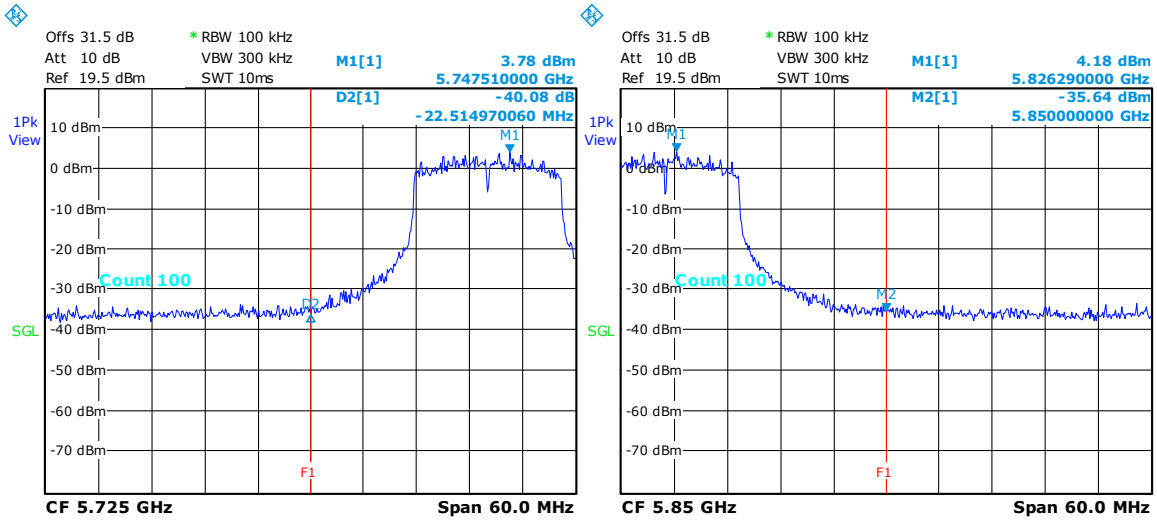
36MB



Date: 27.FEB.2013 06:11:26

Date: 27.FEB.2013 06:14:12

54MB



Date: 27.FEB.2013 06:12:04

Date: 27.FEB.2013 06:14:53

6 Power Spectral Density

6.1 Test Result

Test Description	Test Specification	Test Result
Power Spectral Density	15.247(e)	Compliant

6.2 Test Method

- RMS detector, trace averaging over 100 sweeps
- Resolution bandwidth of 100 kHz
- Video bandwidth > 300 kHz

The limit is +8 dBm.

6.3 Test Site

SGS EMC Laboratory, Suwanee, GA

Environmental Conditions

Temperature: 24.4 °C

Relative Humidity: 47.8 %

6.4 Test Equipment

Test date: 17 July 2013

Equipment	Model	Manufacturer	Asset Number	Cal Due Date
EMI Receiver	ESU8	R&S	B085759	21 June 2014
Attenuator	BW-S30W2+	Mini-Circuits	NA	VBU
Signal Generator	HMC-T2240	Hittite	B079813	NCR

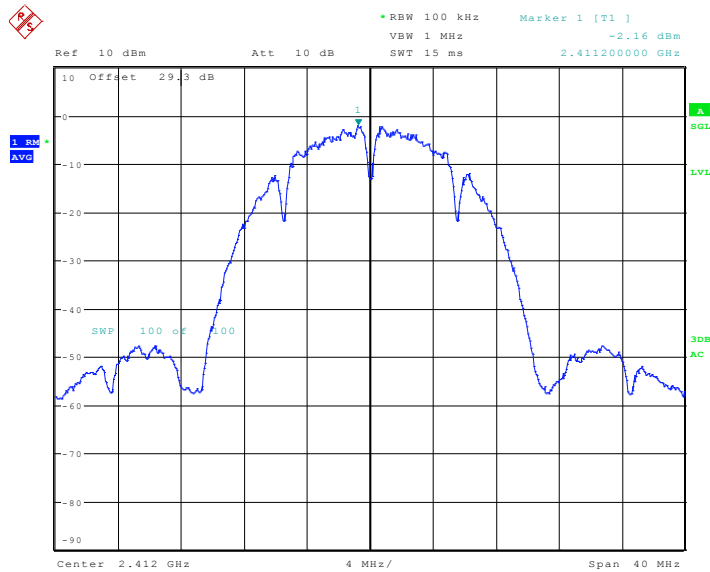
Note: The calibration period equipment is 1 year. Prior to testing, the signal generator and receiver were configured to measure the loss of the attenuator. This loss was indicated as the offset in the plots.

6.5 Test Setup Photographs

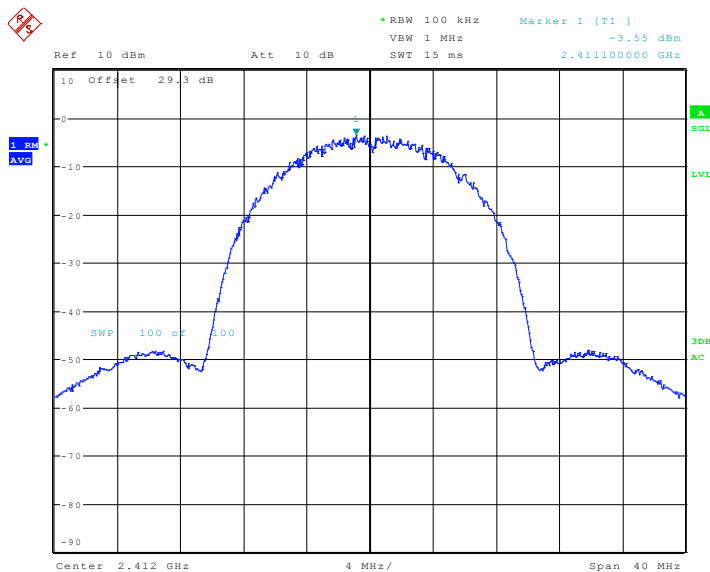
Test setup photographs are located in a separate exhibit.

6.6 Test Data

802.11b CH1 1 and 11 MB

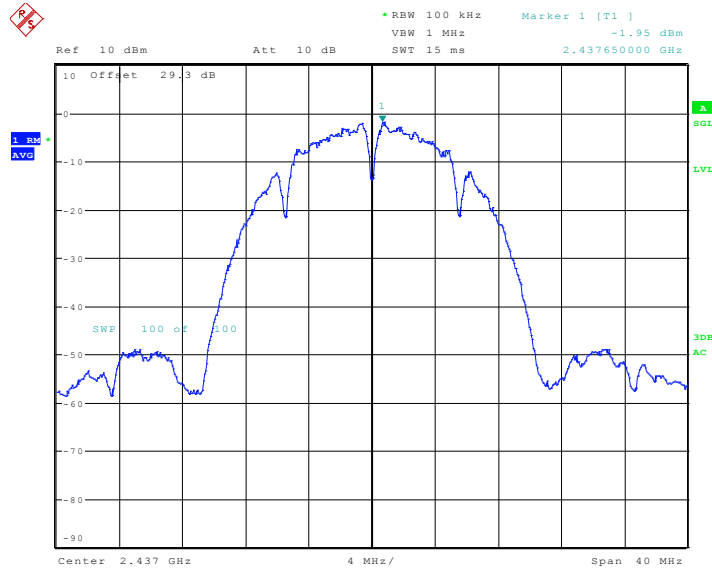


Date: 17.JUL.2013 22:27:51

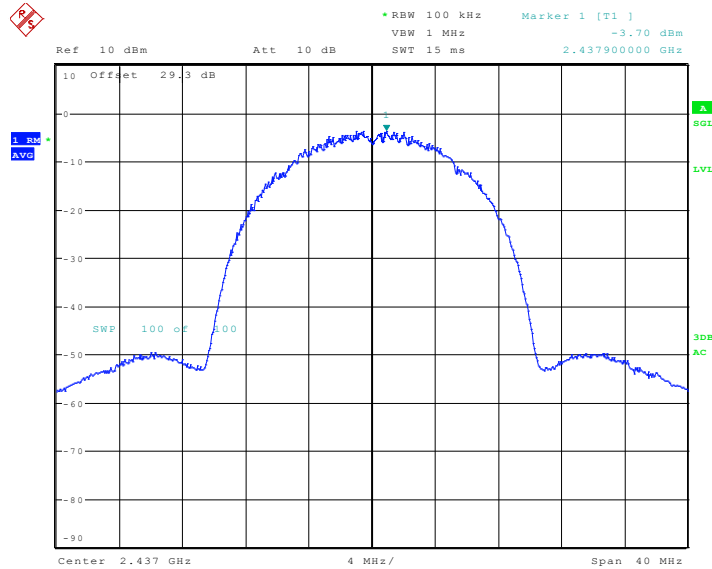


Date: 17.JUL.2013 22:34:04

CH6 1 and 11 MB

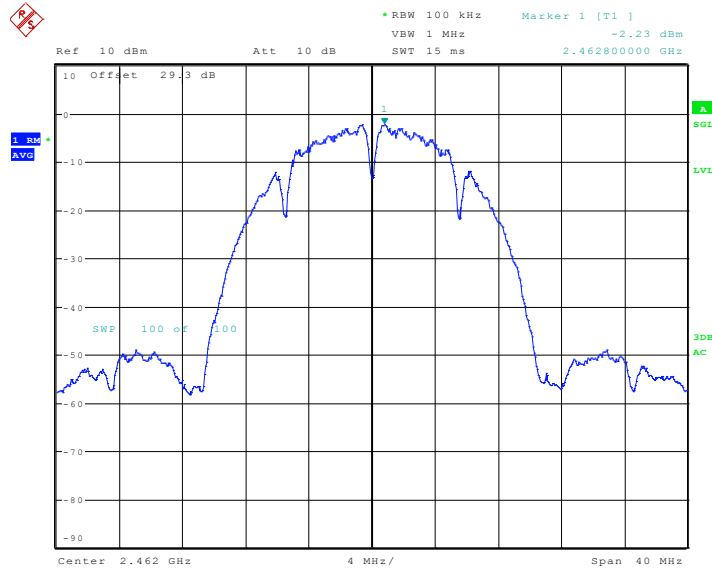


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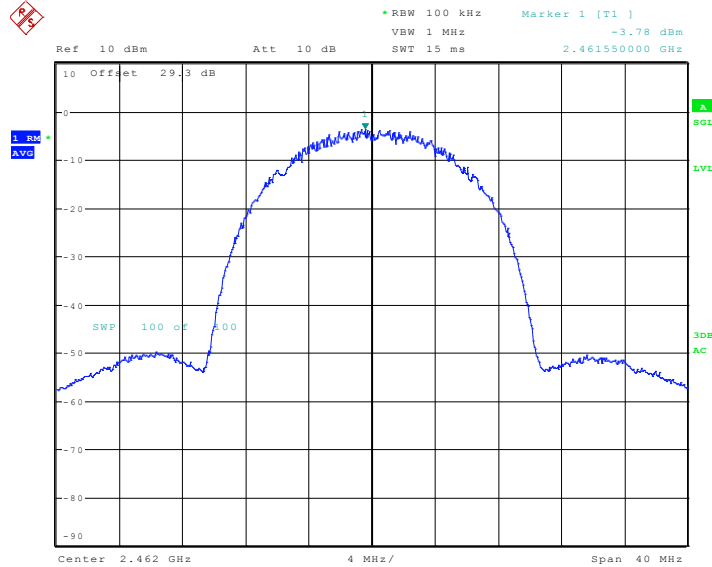


Date: 17.JUL.2013 22:35:16

Ch11 1 and 11 MB

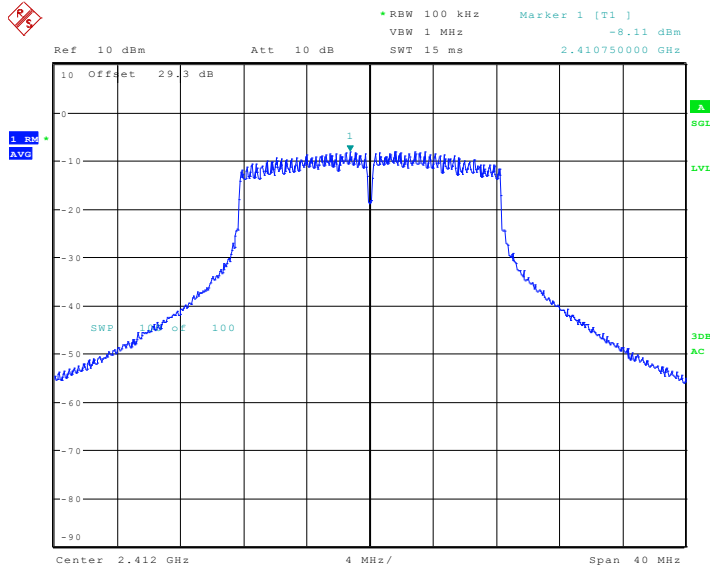


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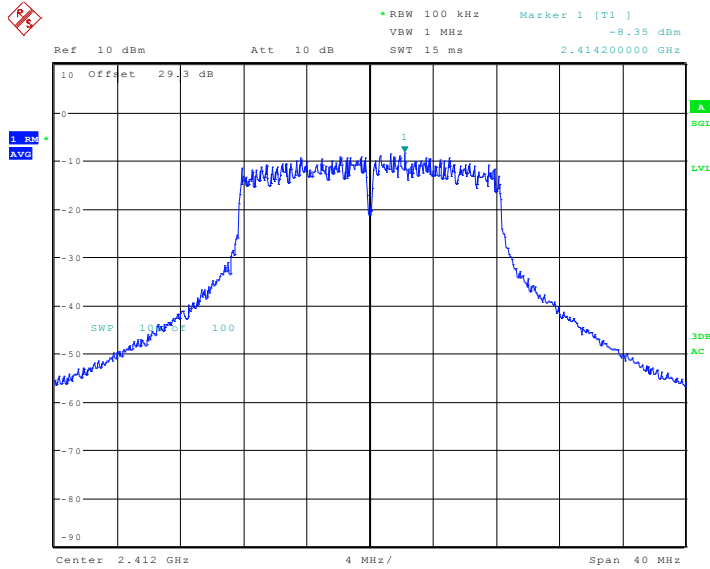


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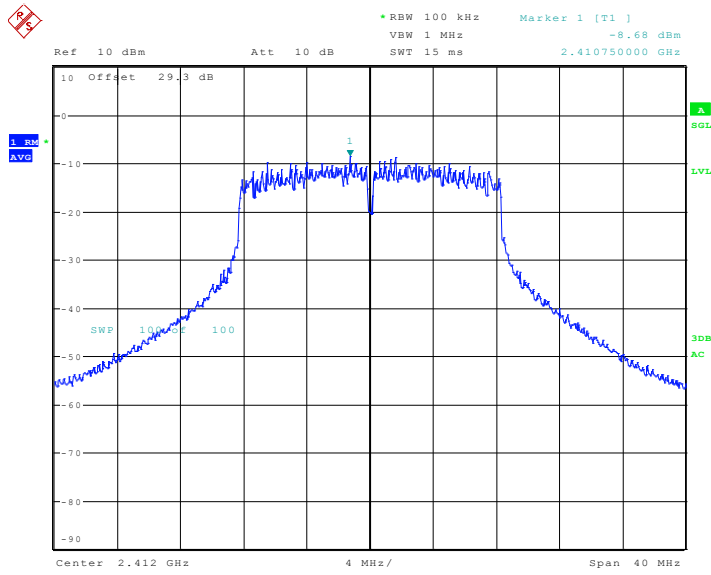
802.11g
CH1
6, 36 and 54 MB



Date: 17.JUL.2013 22:37:11

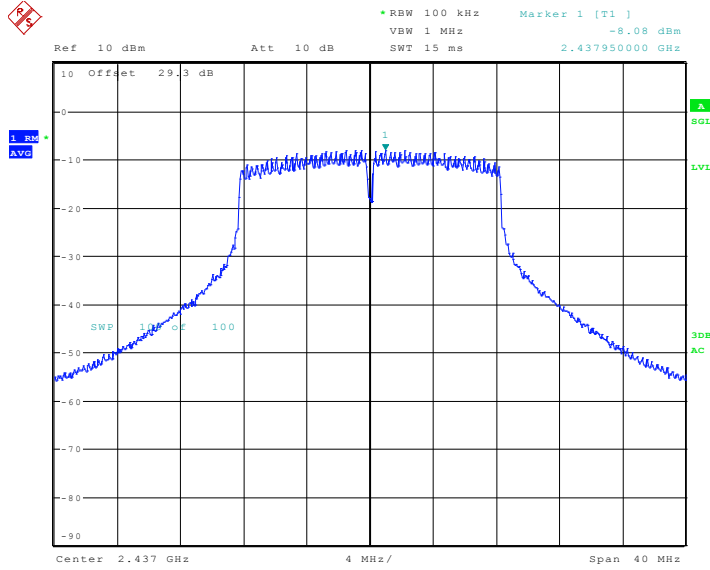


Date: 17.JUL.2013 22:37:56

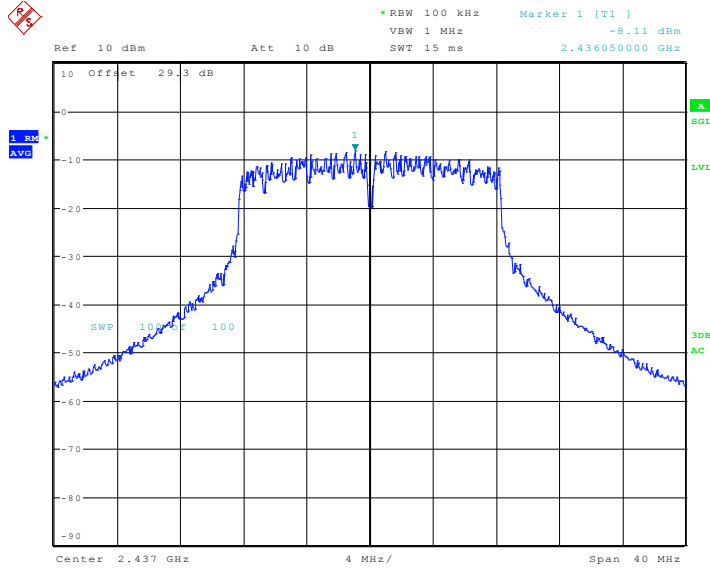


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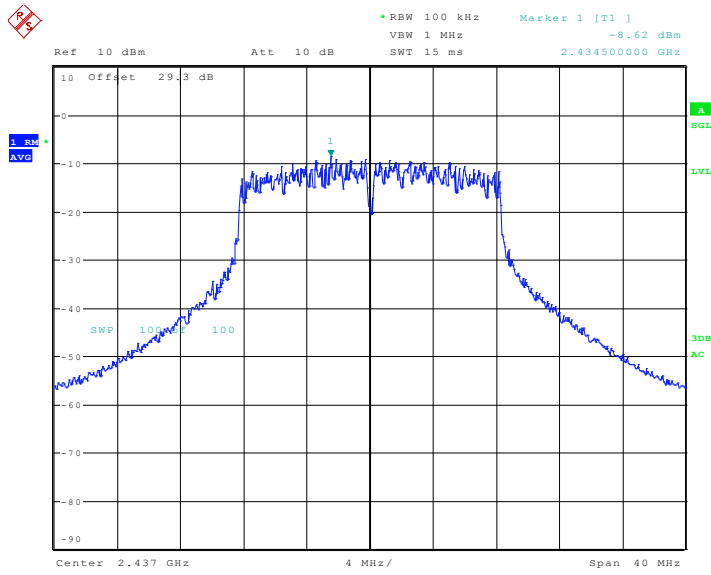
CH6
6, 36 and 54 MB



Date: 17.JUL.2013 22:53:17

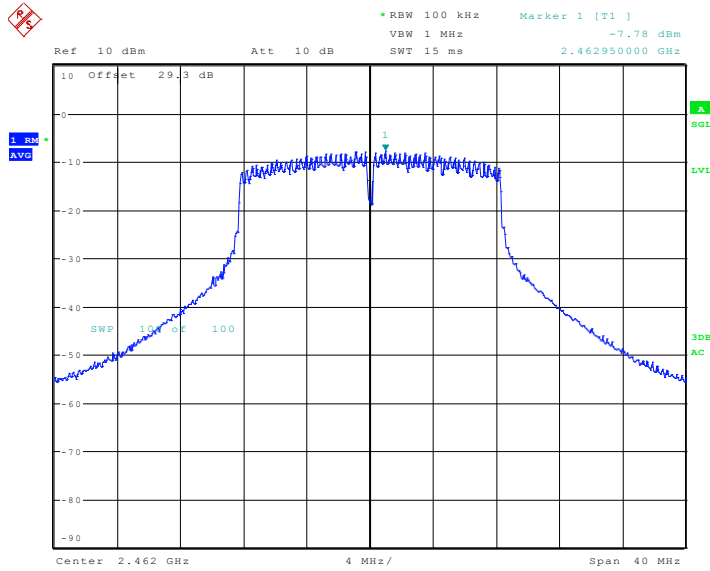


Date: 17.JUL.2013 22:53:37

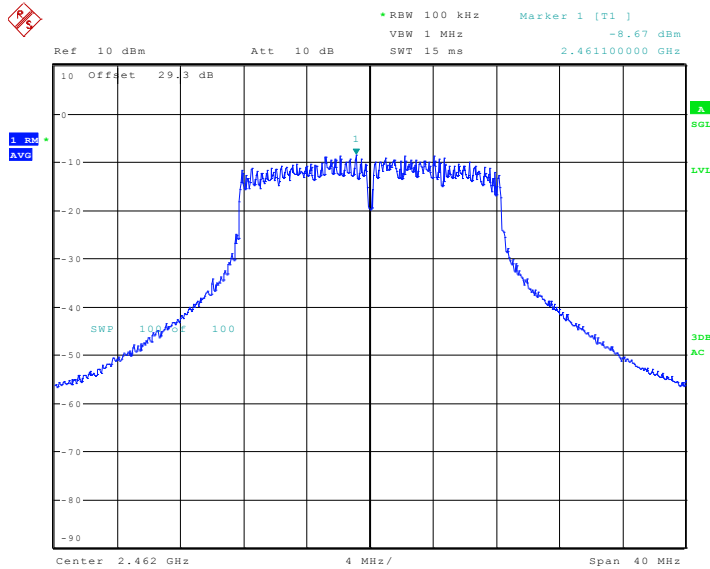


Date: 17.JUL.2013 23:40:08

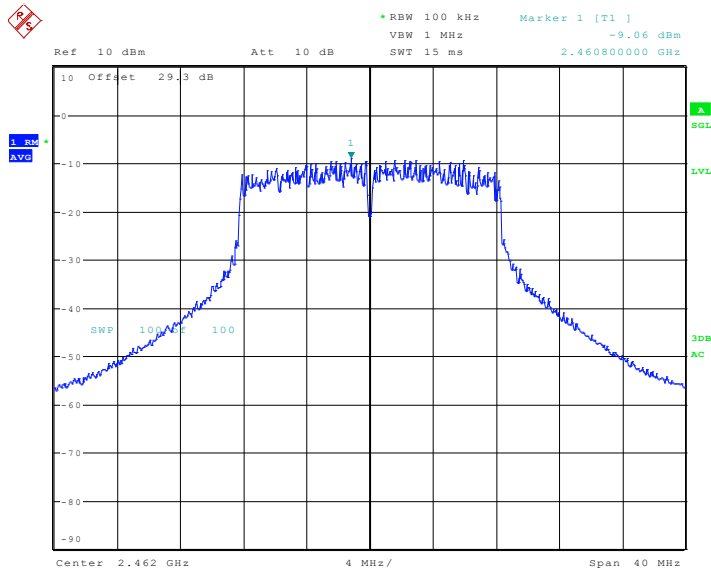
CH11 6, 36 and 54 MB



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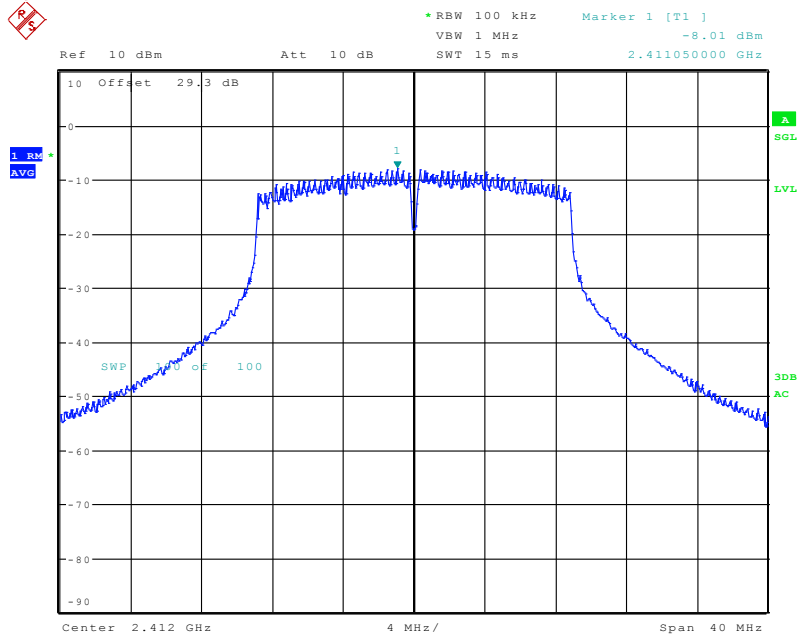


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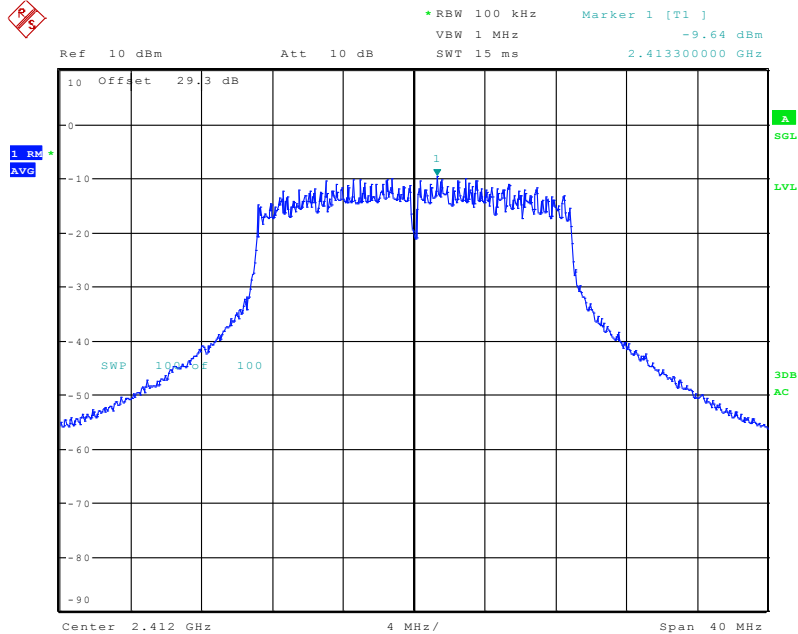


Date: 17.JUL.2013 23:42:24

802.11n
CH1
MCS0 and MCS7

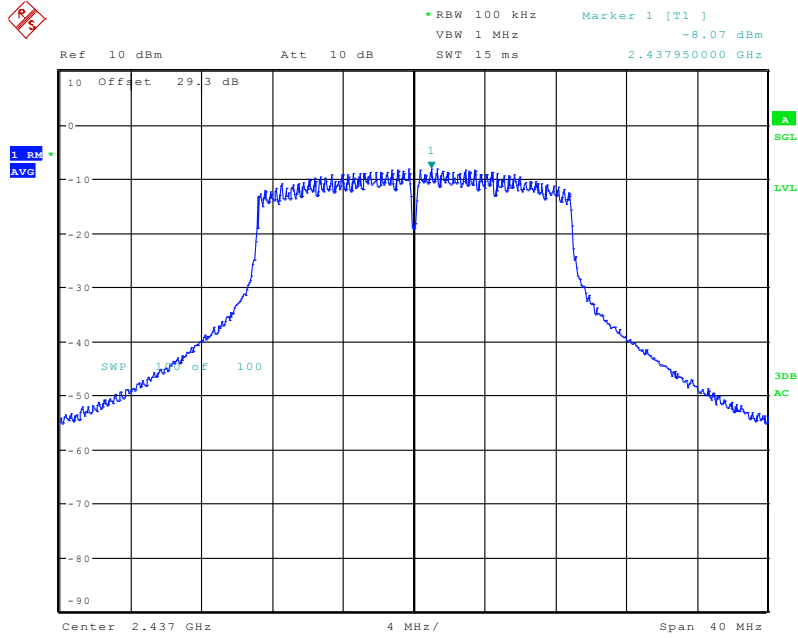


Date: 17.JUL.2013 23:56:57

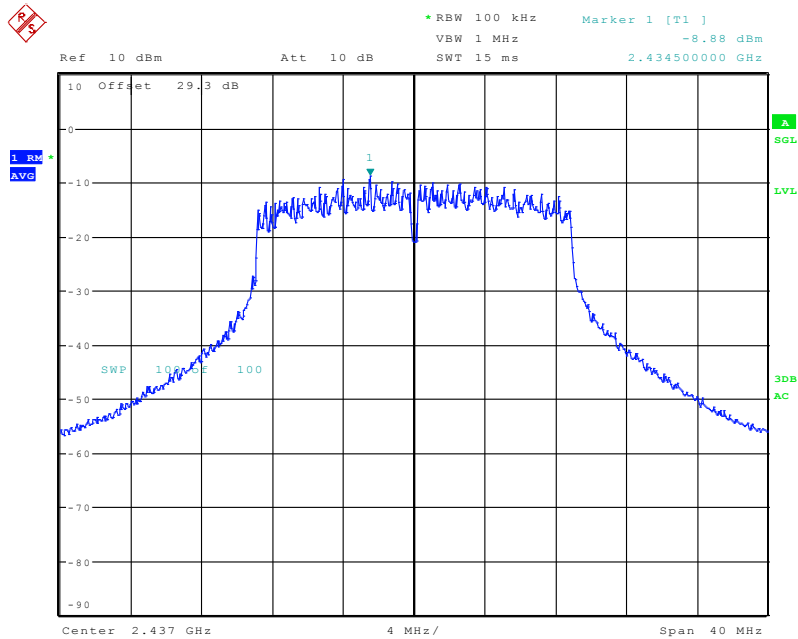


Date: 17.JUL.2013 23:57:23

CH6 MCS0 and MCS7

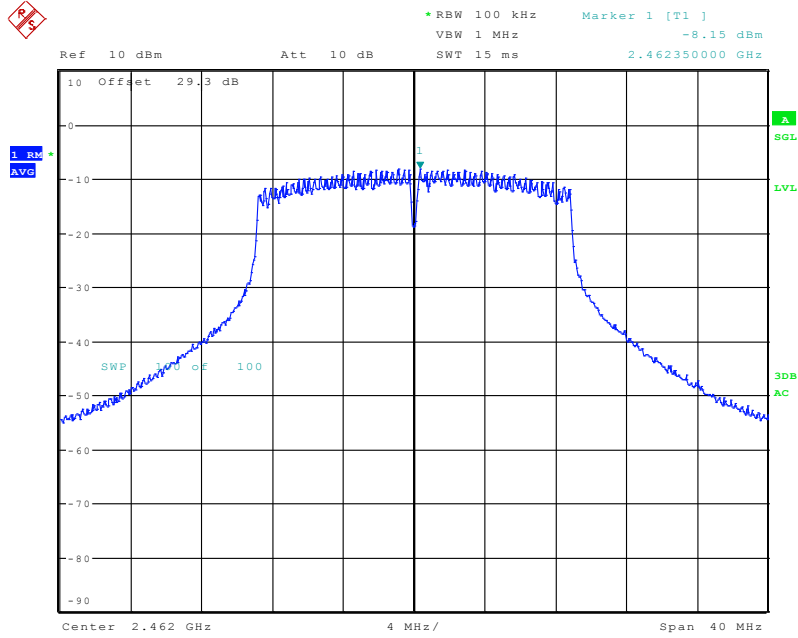


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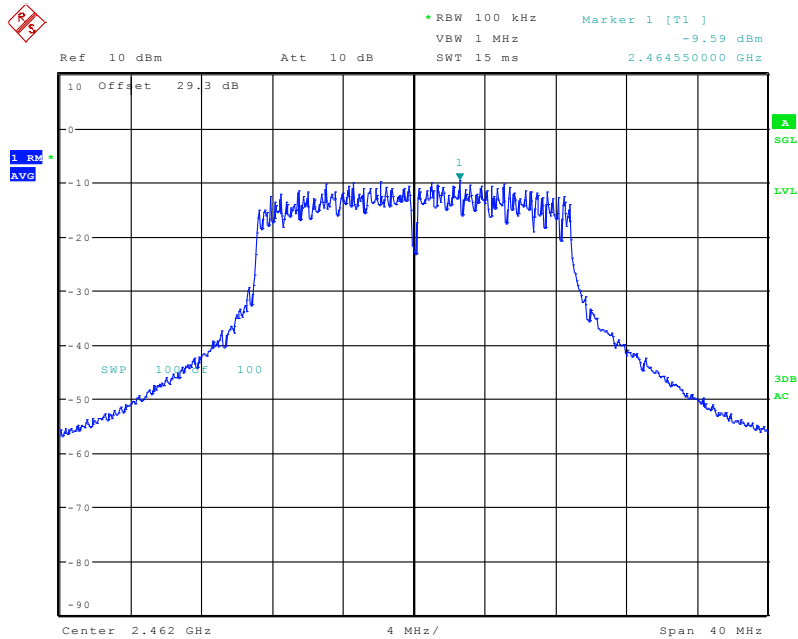


Date: 17.JUL.2013 23:58:03

CH11 MCS0 and MCS7

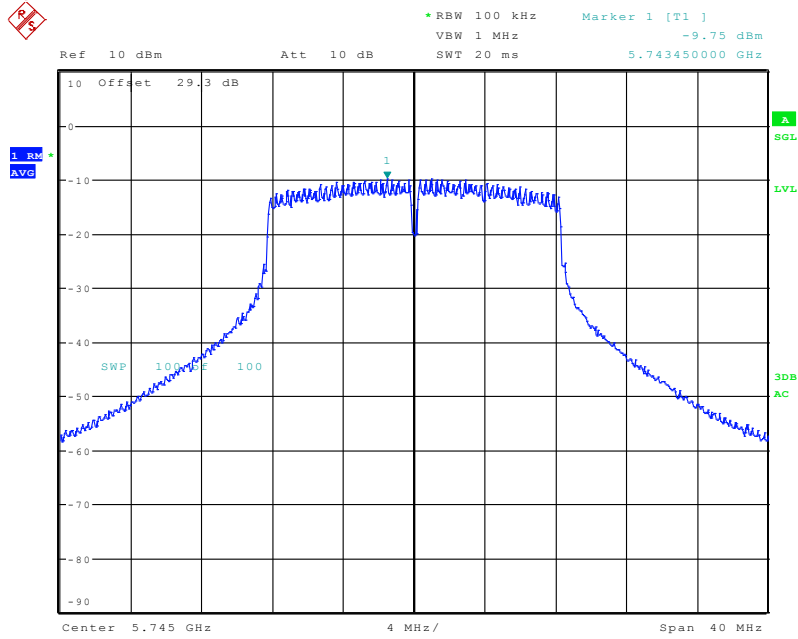


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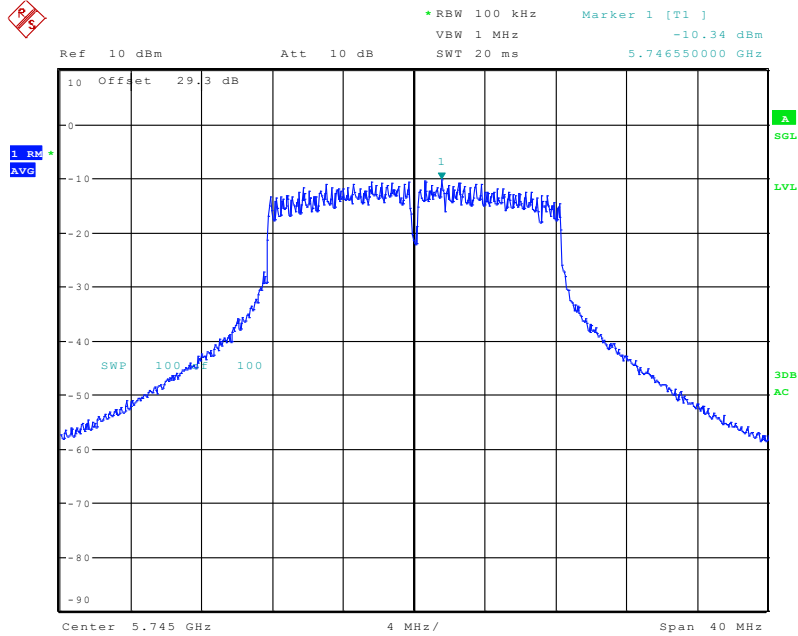


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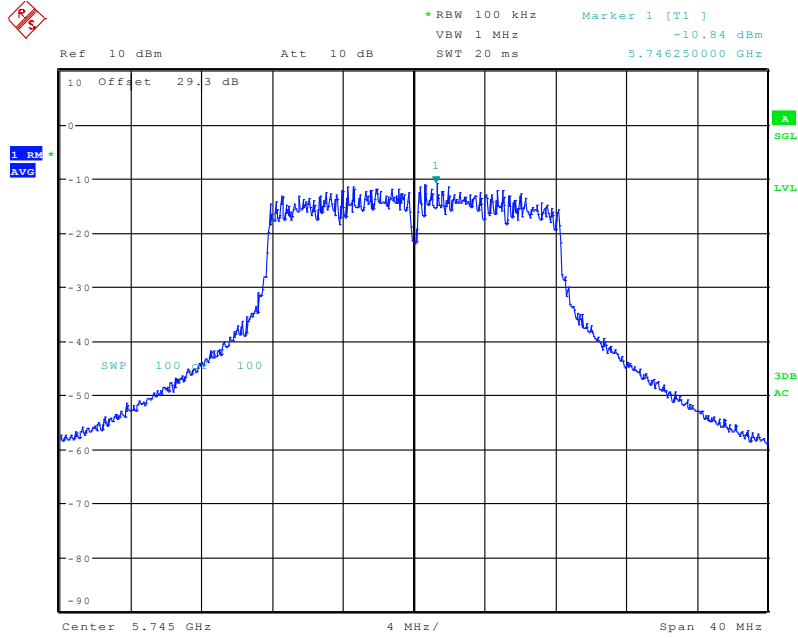
802.11a
CH149
6, 36 and 54 MB



Date: 18.JUL.2013 00:54:08

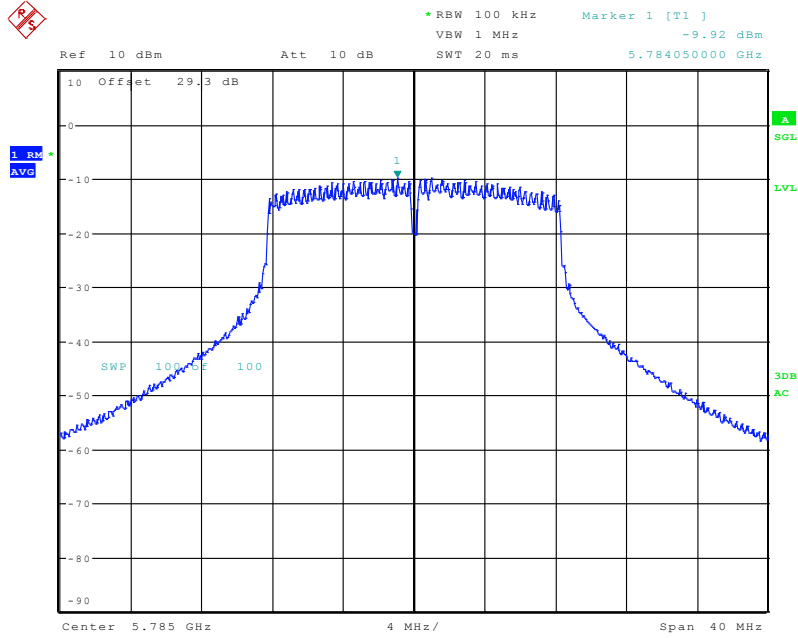


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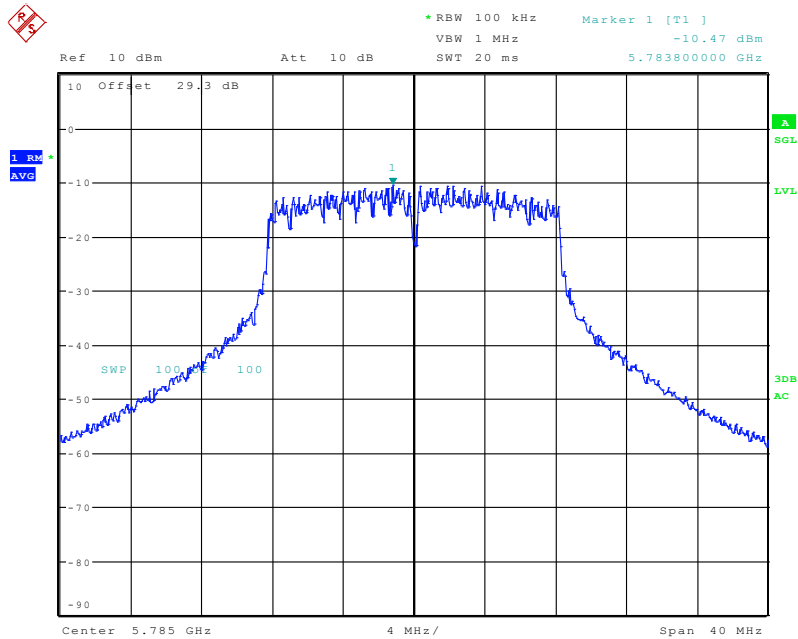


Date: 18.JUL.2013 00:57:58

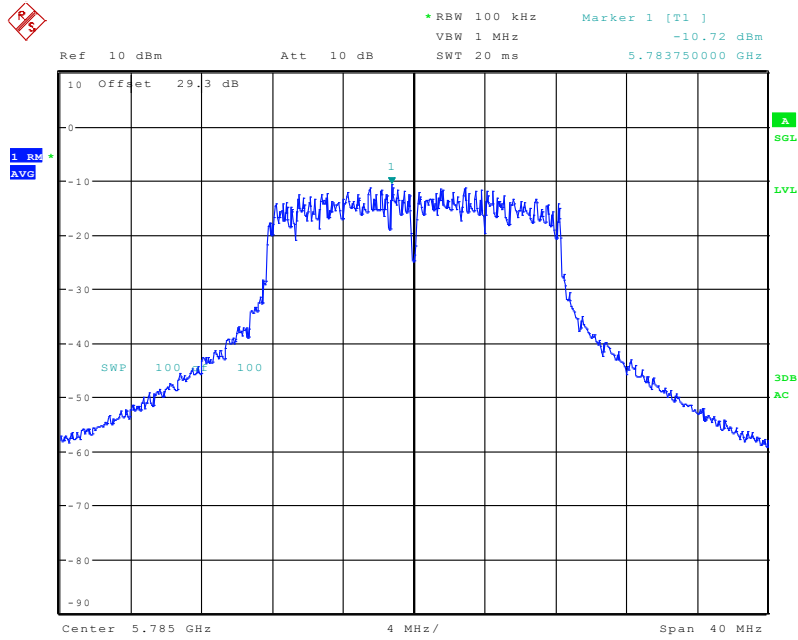
CH157 6, 36 and 54 MB



Date: 18.JUL.2013 01:05:57

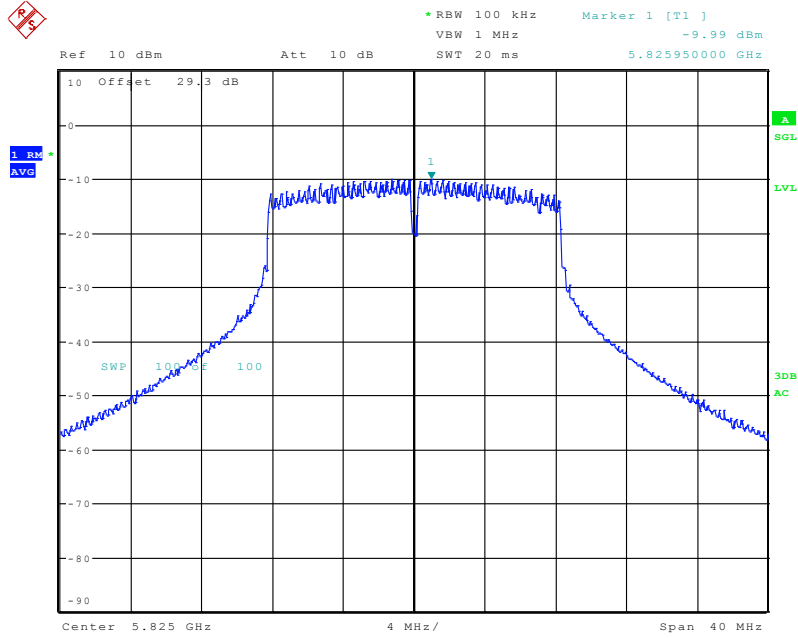


Date: 18.JUL.2013 01:06:32

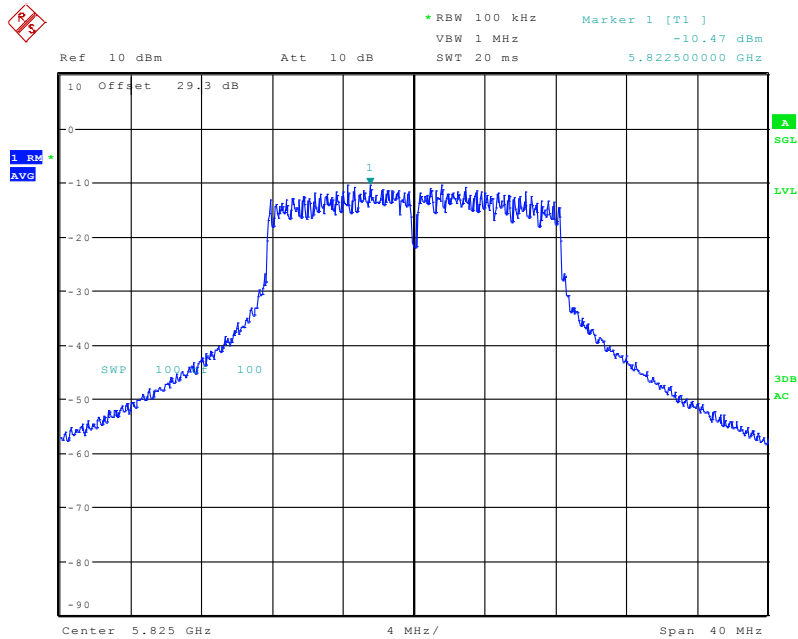


Date: 18.JUL.2013 01:07:41

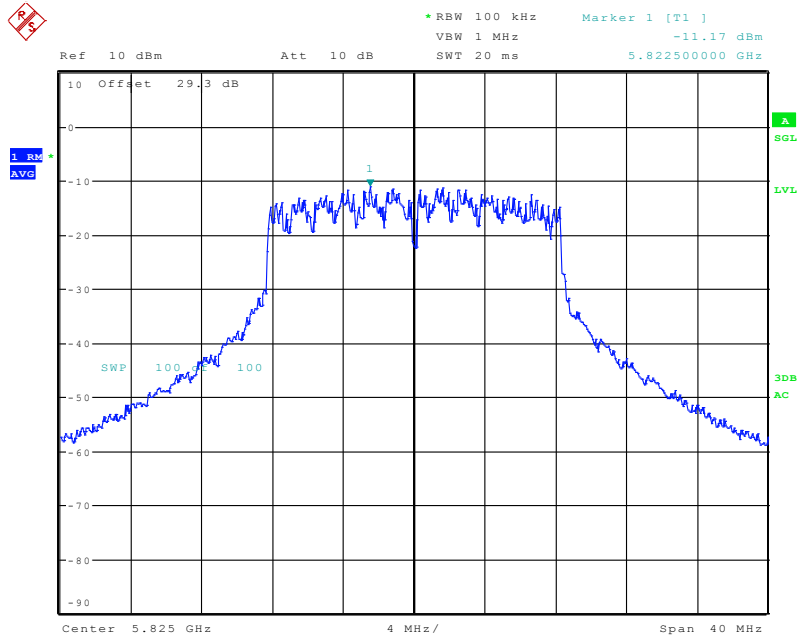
CH165 6, 36 and 54 MB



Date: 18.JUL.2013 01:08:32



Date: 18.JUL.2013 01:09:19



Date: 18.JUL.2013 01:10:09

7 Field Strength of Spurious Radiation

7.1 Test Result

Test Description	Test Specification	Test Result
Field strength of spurious radiation	15.247 (d) and 15.209 RSS 210 2.6, A2.9 (1)(2)	Compliant

7.2 Test Method

The initial preliminary exploratory scans were performed over the frequency range as indicated in the tables below using the max hold function and incorporating a Peak detector and using TILE! software. The final test data was measured using a Quasi-Peak detector below 1GHz and a Peak detector above 1GHz. For harmonics of the fundamental, Average measurements were made by correcting the peak value with the duty cycle correction factor. For emissions other than harmonics of the fundamental, the Average measurements were made using the Average detector. The receivers resolution bandwidth was set to 120 kHz for measurements taken in the 30MHz to 1GHz frequency range and 1MHz for measurements for 1GHz and higher. Measurements were made with the antenna positioned in both the horizontal and vertical planes of polarization. The antenna height was varied from 1 m to 4 m and the EUT was rotated 360° to find the maximum emitting point for each frequency. The radiated measurements were recorded and compared to the limits indicated in the table below.

There is a limit on spurious emissions produced by an intentional radiator in any 100 kHz Bandwidth outside the intentional emission band of -20dBc provided the radiator complies with the limits specified in 15.205(c) and 15.209(a).

Test distance:

30 MHz to 1 GHz - The EUT to measurement antenna distance is 3 meters

1 to 18 GHz - The EUT to measurement antenna distance is 3 meters

18 to 40 GHz - The EUT to measurement antenna distance is 1 meter

Frequency	Limits ⁽¹⁾		Peak Limits dBuV/m
	Microvolts/m	dBuV/m	
30 - 88 MHz	100	40 ⁽²⁾	--
88 - 216 MHz	150	43.5 ⁽²⁾	--
216 - 960 MHz	200	46 ⁽²⁾	--
960 - 1000 MHz	500	54 ⁽²⁾	--
1 - 40 GHz	500	54 ⁽³⁾	74

(1) These limits are applicable to emissions outside of the intentional transmit frequency band.

(2) Quasi-peak limit

(3) Average limit

For other frequencies that do not fall within the restricted band, the limits of 15.247(d) apply (i.e. 20 dBc / 100kHz).

7.3 Test Site

3m Absorber Lined Shielded Enclosure (ALSE), Suwanee, GA

Environmental Conditions

Temperature: 23.8 °C

Relative Humidity: 46.6 %

7.4 Test Equipment

Equipment	Model	Manufacturer	Asset Number	Cal Due Date
Bilog Antenna	JB6	Sunol	B079689	04 SEP 2013
DRWG antenna	3117	ETS-Lindgren	B079699	21 MAR 2013
DRWG antenna	3116B	ETS-Lindgren	B079697	01 FEB 2014
Receiver	ESU40	R & S	B079629	24 SEP 2013
Spectrum Analyzer	N9030A	Agilent	US51160210	01 JUL 2013
Pre-Amplifier	NSP1800-25-HG	Miteq	B085930	30 OCT 2013
Pre-Amplifier	NSP1840-HG	Miteq	B087572	22 OCT 2013
RF Filter	BRM50702	Microtronics	NA	VBU
Coaxial Cable	Sucoflex 106	Huber+Suhner	B079715	22 SEP 2013
Coaxial Cable	Sucoflex 106	Huber+Suhner	B079660	13 AUG 2013
Coaxial Cable	Sucoflex 106	Huber+Suhner	B085888	22 OCT 2013
Coaxial Cable	Sucoflex 102	Huber+Suhner	B079824	12 DEC 2013
Coaxial Cable	Sucoflex 102	Huber+Suhner	B079822	12 DEC 2013

Note: The calibration period equipment is 1 year.

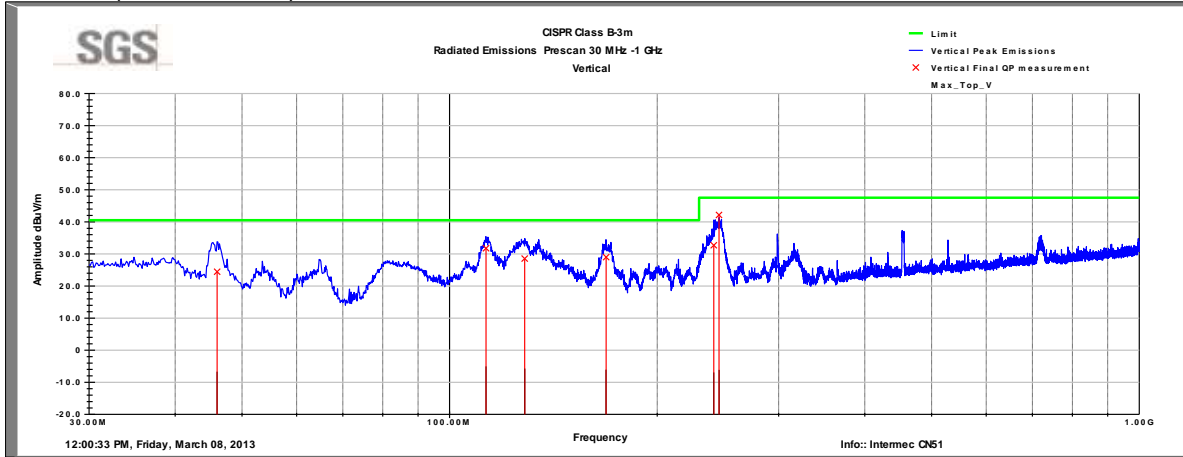
7.5 Test Setup Photographs

Test setup photographs are located in a separate exhibit.

7.6 Test Data

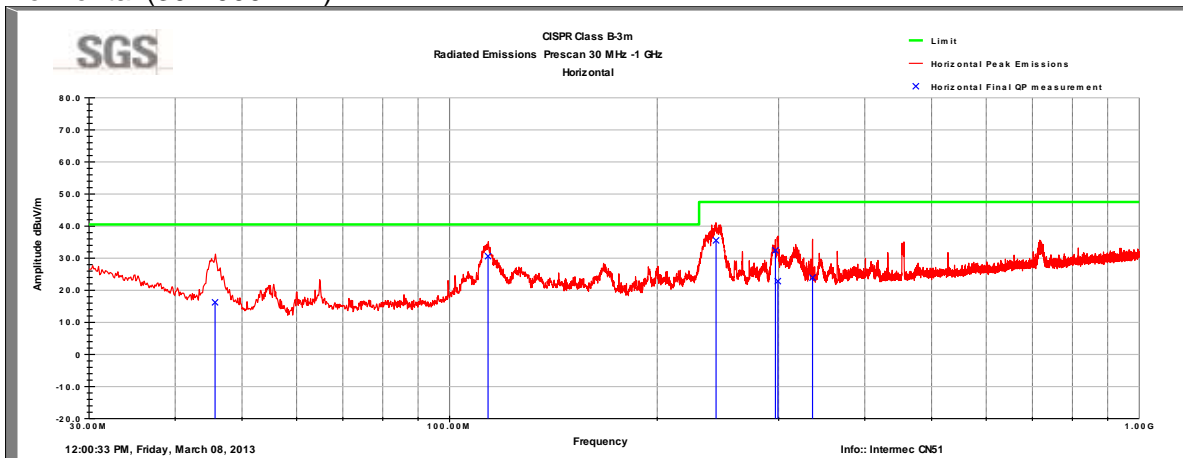
802.11B, Ch. 1, 1Mbit/s

Vertical (30-1000MHz)



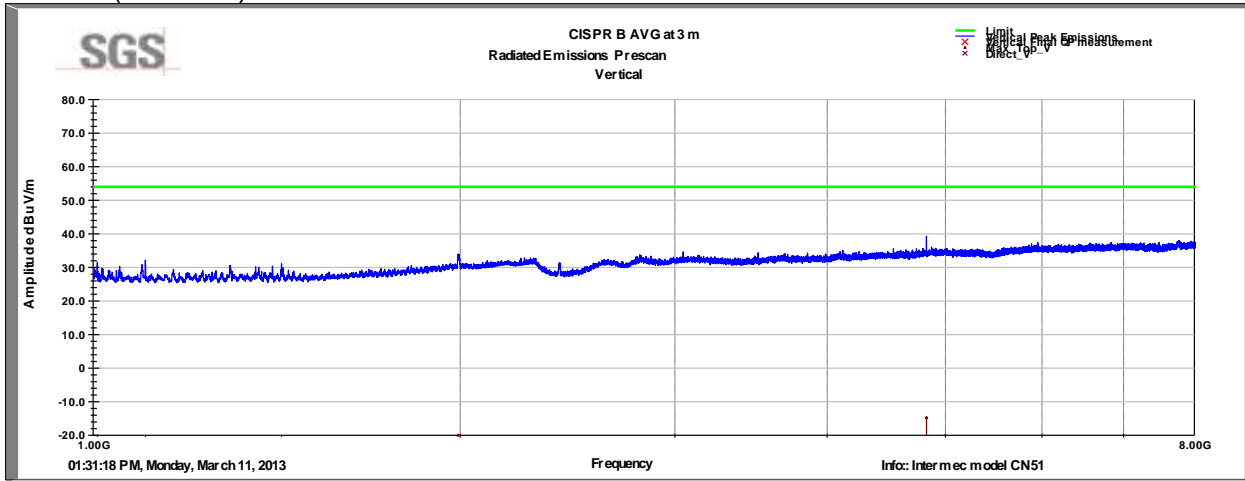
Frequency MHz	Raw QP dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	CL (dB)	Amp (dB)	QP Value (dBuV/m)	Limit (dBuV/m)	Margin (dB)
46.01	14.3	V	116.0	100.0	9.7	0.4	0.0	24.4	40.5	-16.1
112.91	18.1	V	89.0	100.0	13.0	0.7	0.0	31.7	40.5	-8.8
128.48	14.3	V	116.0	100.0	13.5	0.7	0.0	28.5	40.5	-12.0
168.69	16.1	V	116.0	100.0	12.0	0.9	0.0	29.0	40.5	-11.5
241.60	20.0	V	116.0	100.0	11.7	1.1	0.0	32.7	47.5	-14.8
245.85	29.5	V	116.0	100.0	11.6	1.1	0.0	42.1	47.5	-5.4
QP Value = Level + AF + CL - Amp										
Margin = QP Value - Limit										

Horizontal (30-1000MHz)



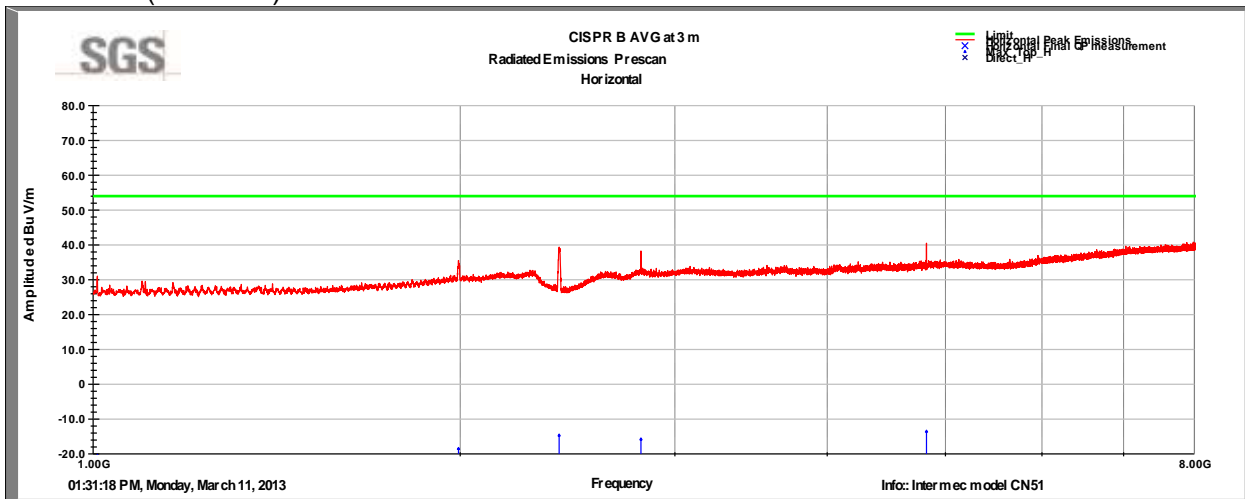
Frequency MHz	Raw QP dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	CL (dB)	Amp (dB)	QP Value (dBuV/m)	Limit (dBuV/m)	Margin (dB)
45.69	6.0	H	316.0	263.0	9.8	0.4	0.0	16.2	40.5	-24.3
113.71	16.9	H	361.0	262.0	13.1	0.7	0.0	30.6	40.5	-9.9
243.42	22.8	H	43.0	151.0	11.6	1.1	0.0	35.5	47.5	-12.0
296.85	17.5	H	116.0	178.0	13.7	1.2	0.0	32.4	47.5	-15.1
299.21	7.9	H	105.0	100.0	13.8	1.2	0.0	22.8	47.5	-24.7
336.00	8.5	H	116.0	100.0	14.2	1.2	0.0	23.9	47.5	-23.6
QP Value = Level + AF + CL - Amp										
Margin = QP Value - Limit										

802.11B, Ch. 1, 11Mbit/s
Vertical (1-18GHz)



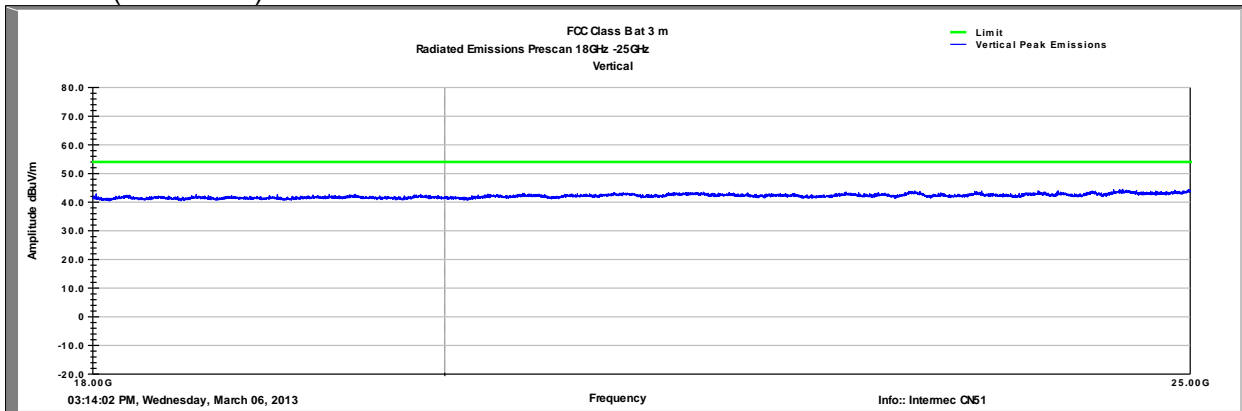
Frequency MHz	Raw Avg dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	CL (dB)	Amp (dB)	Avg Value dBuV/m	Limit (dBuV/m)	Margin (dB)
1008.16	43.4	V	359.0	100.0	27.8	2.4	44.3	29.3	54.0	-24.7
1103.70	40.4	V	210.0	100.0	28.1	2.5	44.3	26.8	54.0	-27.2
1427.38	35.7	V	189.0	100.0	28.4	2.9	44.2	22.8	54.0	-31.2
1992.12	36.0	V	145.0	100.0	31.6	3.5	44.4	26.7	54.0	-27.3
4823.98	34.7	V	277.0	100.0	34.8	5.8	44.8	30.5	54.0	-23.5
Avg Value = Level + AF + CL - Amp										
Margin = Avg Value - Limit										

Horizontal (1-18GHz)



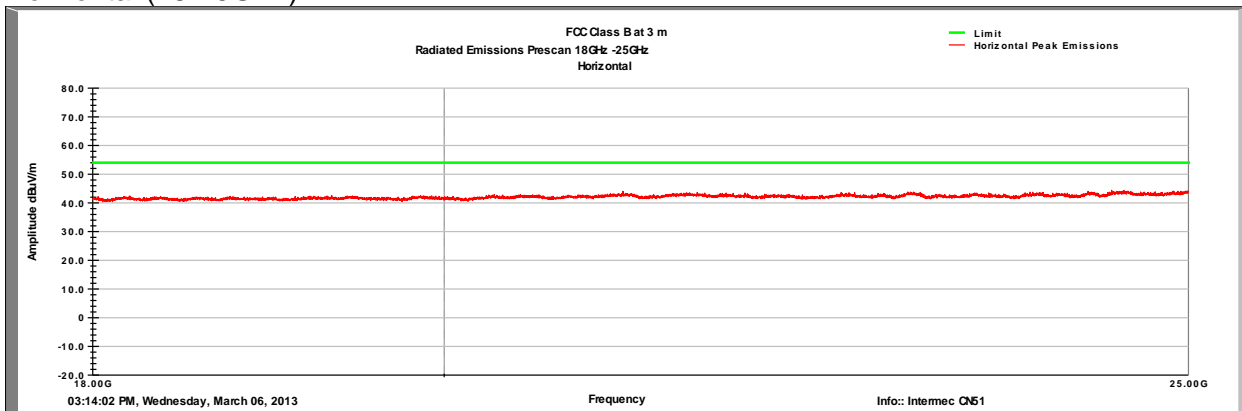
Frequency MHz	Raw AVG dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	CL (dB)	Amp (dB)	AVG value dBuV/m	Peak Limit (dBuV/m)	Margin (dB)
1008.08	43.3	H	299.0	167.0	27.8	2.4	44.3	29.2	54.0	-24.8
1993.65	37.6	H	188.0	335.0	31.6	3.5	44.4	28.4	54.0	-25.6
2813.90	43.8	H	359.0	100.0	33.1	4.2	44.5	36.6	54.0	-17.4
4824.15	42.3	H	38.0	133.0	34.8	5.8	44.8	38.0	54.0	-16.0
Avg Value = Level + AF + CL - Amp										
Margin = Avg Value - Limit										

802.11B, Ch. 1, 11Mbit/s
Vertical (18-25GHz)



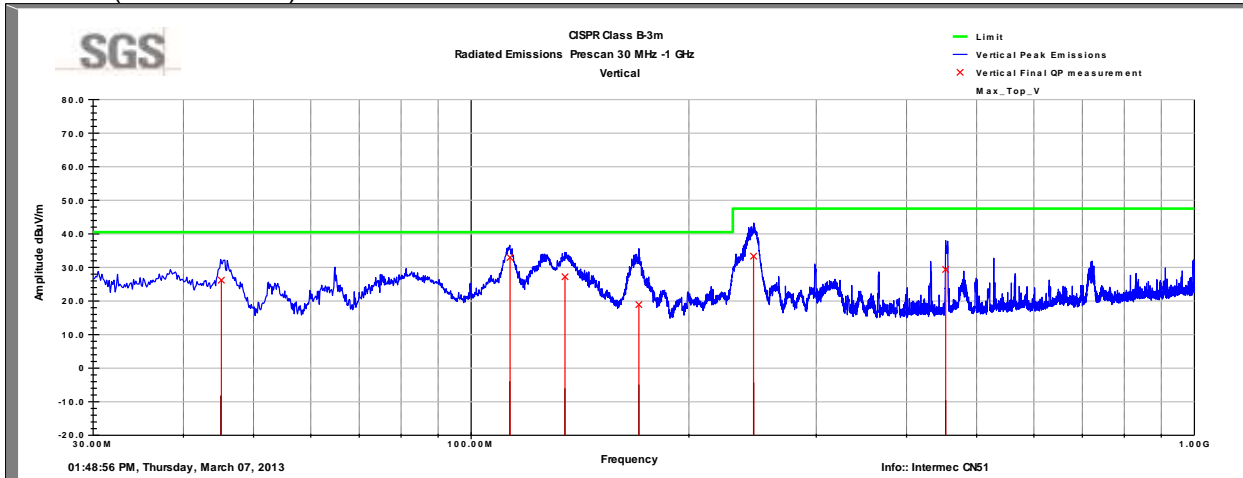
Note: No signals detected above equipment noise floor

Horizontal (18-25GHz)



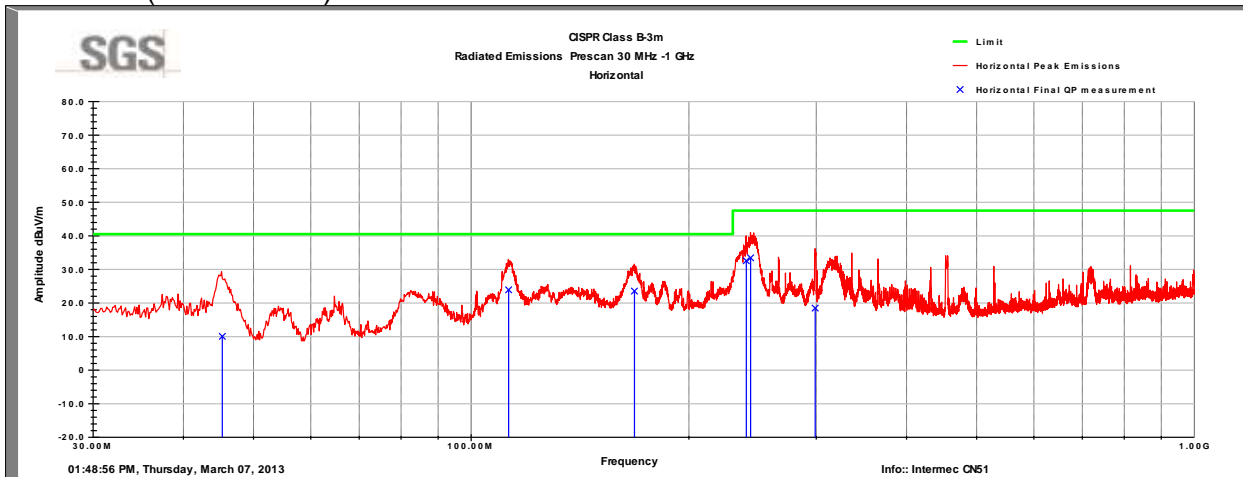
Note: No signals detected above equipment noise floor

802.11G, Ch. 1, 6Mbit/s
Vertical (30-1000MHz)



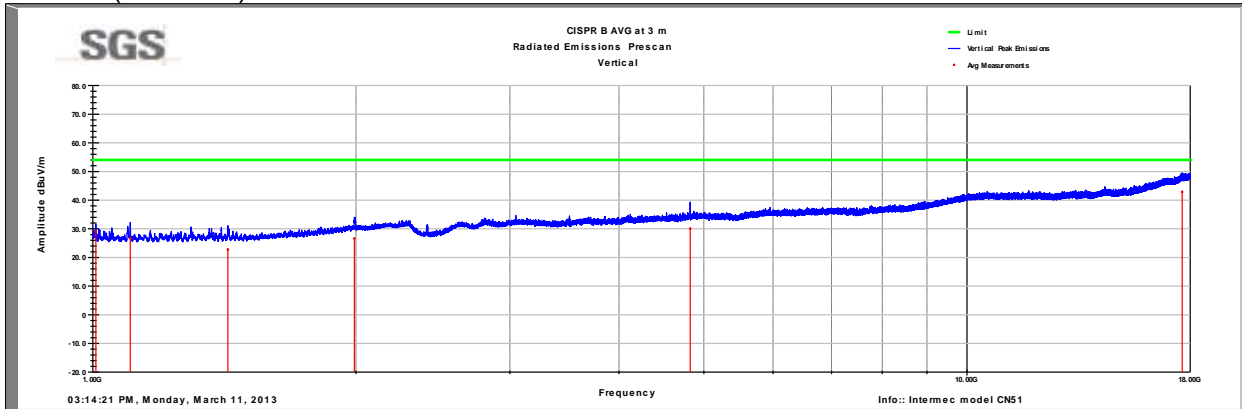
Frequency (MHz)	Raw QP (dBuV)	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	CL (dB)	Amp (dB)	QP Value (dBuV/m)	Limit (dBuV/m)	Margin (dB)
45.13	47.3	V	351.0	100.0	10.0	0.4	31.6	26.2	40.5	-14.3
113.17	50.7	V	76.0	100.0	13.0	0.7	31.5	32.9	40.5	-7.6
134.80	44.8	V	359.0	100.0	13.1	0.8	31.5	27.2	40.5	-13.3
170.54	37.6	V	245.0	100.0	11.8	0.9	31.4	18.9	40.5	-21.6
245.75	52.0	V	135.0	100.0	11.6	1.1	31.4	33.3	47.5	-14.2
453.05	42.1	V	224.0	100.0	17.1	1.5	31.2	29.4	47.5	-18.1
QP Value = Level + AF + CL - Amp										
Margin = QP Value - Limit										

Horizontal (30-1000MHz)



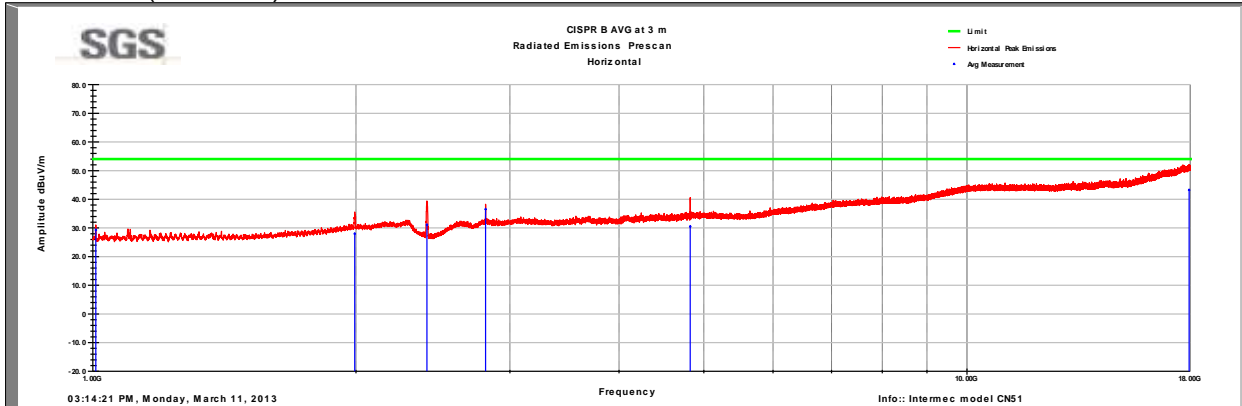
Frequency (MHz)	Raw QP (dBuV)	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	CL (dB)	Amp (dB)	QP Value (dBuV/m)	Limit (dBuV/m)	Margin (dB)
45.27	31.2	H	109.0	100.0	10.0	0.4	31.6	10.0	40.5	-30.5
112.66	41.8	H	-1.0	100.0	12.9	0.7	31.5	23.9	40.5	-16.6
168.15	42.0	H	177.0	100.0	12.1	0.9	31.4	23.5	40.5	-17.0
240.12	51.2	H	38.0	100.0	11.7	1.1	31.3	32.6	47.5	-14.9
243.47	52.1	H	59.0	100.0	11.6	1.1	31.4	33.4	47.5	-14.1
298.98	34.8	H	213.0	100.0	13.8	1.2	31.3	18.4	47.5	-29.1
QP Value = Level + AF + CL - Amp										
Margin = QP Value - Limit										

802.11G, Ch. 1, 36Mbit/s
Vertical (1-18GHz)



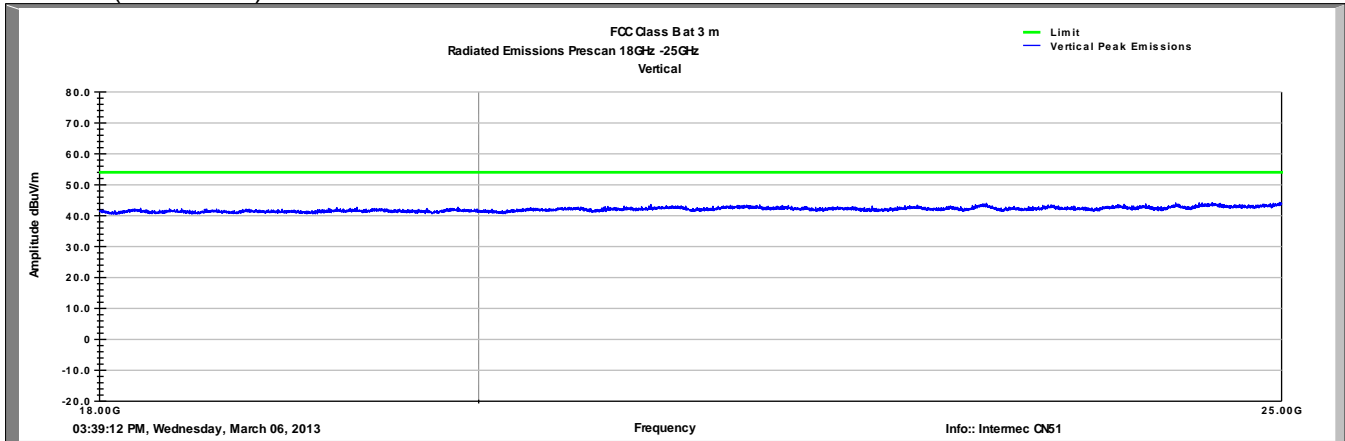
Frequency MHz	Raw Avg dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	CL (dB)	Amp (dB)	Avg Value dBuV/m	Limit (dBuV/m)	Margin (dB)
1008.16	43.3	V	359.0	100.0	27.8	2.4	44.3	29.2	54.0	-24.8
1103.70	40.4	V	210.0	100.0	28.1	2.5	44.3	26.7	54.0	-27.3
1427.38	35.7	V	188.0	100.0	28.4	2.9	44.2	22.8	54.0	-31.2
1992.12	35.9	V	145.0	100.0	31.6	3.5	44.4	26.7	54.0	-27.3
4823.98	34.4	V	277.0	100.0	34.8	5.8	44.8	30.1	54.0	-23.9
Avg Value = Level + AF + CL - Amp										
Margin = Avg Value - Limit										

Horizontal (1-18GHz)



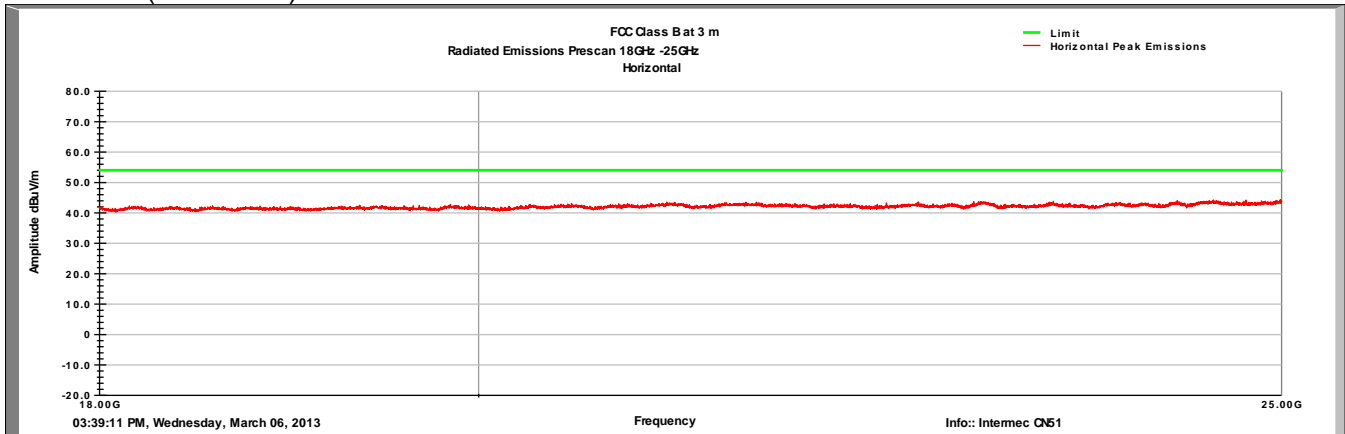
Frequency MHz	Raw AVG dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	CL (dB)	Amp (dB)	AVG value dBuV/m	Peak Limit (dBuV/m)	Margin (dB)
1008.08	43.5	H	318.0	167.0	27.8	2.4	44.3	29.4	54.0	-24.6
1993.65	37.3	H	189.0	335.0	31.6	3.5	44.4	28.1	54.0	-25.9
2813.90	43.8	H	359.0	100.0	33.1	4.2	44.5	36.6	54.0	-17.4
4824.15	34.8	H	37.0	133.0	34.8	5.8	44.8	30.6	54.0	-23.4
Avg Value = Level + AF + CL - Amp										
Margin = Avg Value - Limit										

802.11G, Ch. 1, 36Mbit/s
Vertical (18-25GHz)



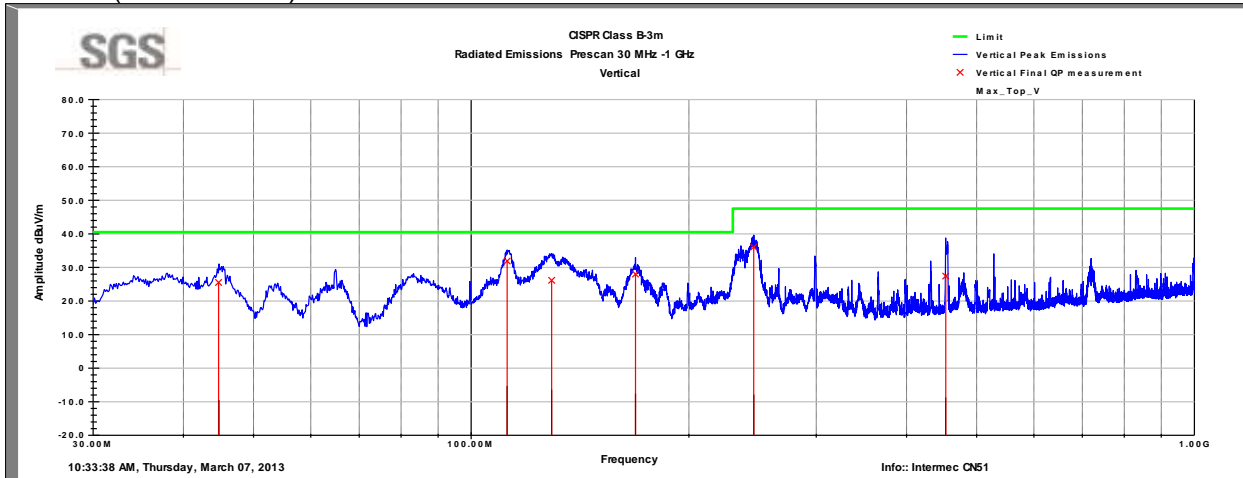
Note: No signals detected above equipment noise floor

Horizontal (18-25GHz)



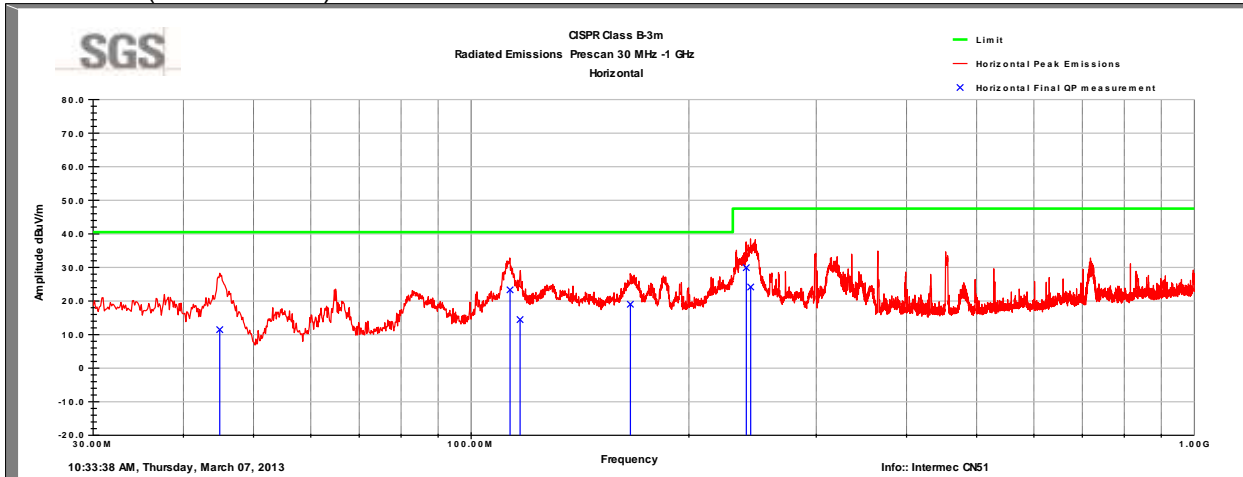
Note: No signals detected above equipment noise floor

802.11N, Ch. 1, MCS0
Vertical (30-1000MHz)



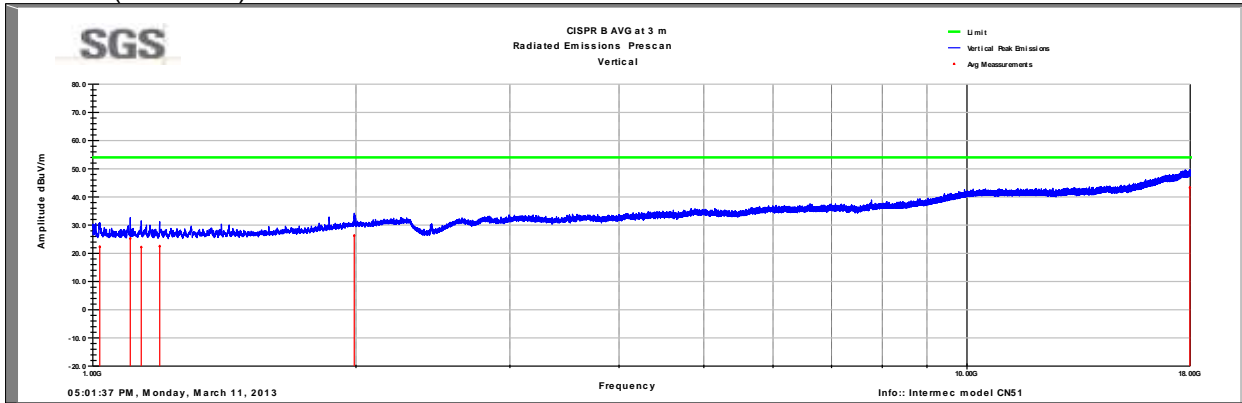
Frequency MHz	Raw QP dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	CL (dB)	Amp (dB)	QP Value (dBuV/m)	Limit (dBuV/m)	Margin (dB)
44.73	46.4	V	3.0	100.0	10.3	0.4	31.6	25.5	40.5	-15.0
112.12	49.9	V	89.0	100.0	12.8	0.7	31.5	31.9	40.5	-8.6
129.18	43.4	V	152.0	100.0	13.5	0.7	31.5	26.1	40.5	-14.4
168.75	46.6	V	107.0	100.0	12.0	0.9	31.4	28.0	40.5	-12.5
245.84	54.8	V	223.0	100.0	11.6	1.1	31.4	36.1	47.5	-11.4
453.10	40.1	V	315.0	100.0	17.1	1.5	31.2	27.4	47.5	-20.1
QP Value = Level + AF + CL - Amp										
Margin = QP Value - Limit										

Horizontal (30-1000MHz)



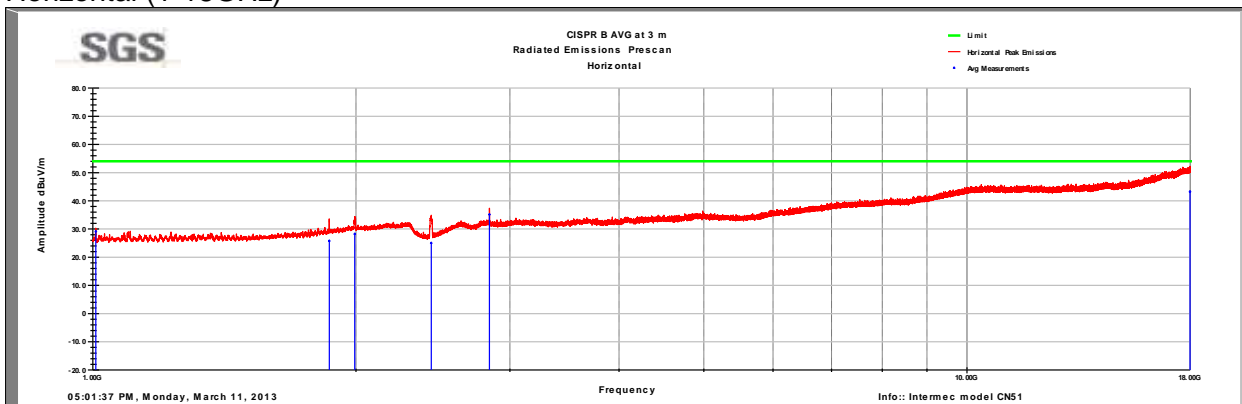
Frequency MHz	Raw QP dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	CL (dB)	Amp (dB)	QP Value (dBuV/m)	Limit (dBuV/m)	Margin (dB)
44.90	32.5	H	314.0	100.0	10.2	0.4	31.6	11.5	40.5	-29.0
113.18	41.1	H	-1.0	100.0	13.0	0.7	31.5	23.3	40.5	-17.2
116.85	31.9	H	113.0	100.0	13.4	0.7	31.5	14.4	40.5	-26.1
165.99	37.3	H	107.0	100.0	12.3	0.9	31.4	19.0	40.5	-21.5
240.11	48.5	H	61.0	100.0	11.7	1.1	31.3	29.9	47.5	-17.6
243.51	42.8	H	135.0	100.0	11.6	1.1	31.4	24.2	47.5	-23.3
QP Value = Level + AF + CL - Amp										
Margin = QP Value - Limit										

802.11N, Ch. 1, MCS7
Vertical (1-18GHz)



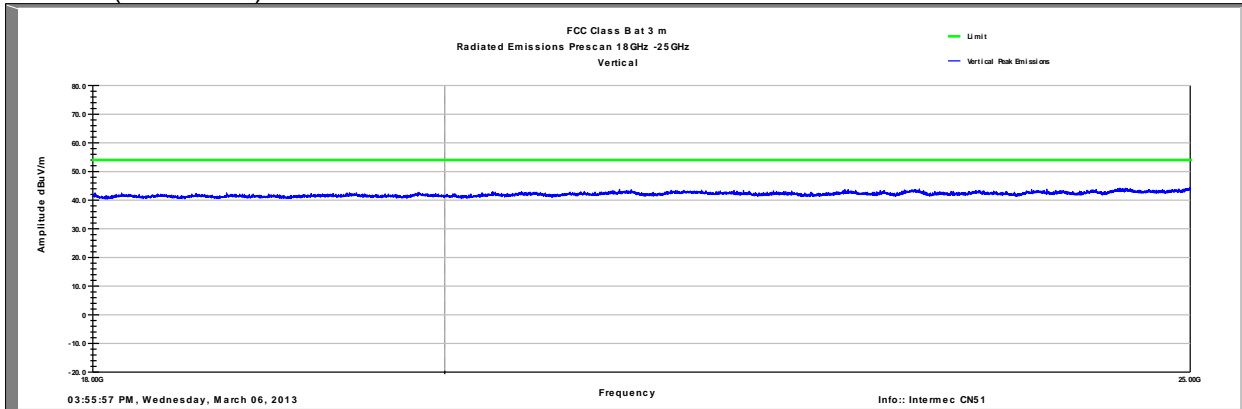
Frequency MHz	Raw Avg dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	CL (dB)	Amp (dB)	Avg Value dBuV/m	Limit (dBuV/m)	Margin (dB)
1018.36	36.4	V	146.0	100.0	27.9	2.4	44.3	22.4	54.0	-31.6
1103.70	39.0	V	170.0	100.0	28.1	2.5	44.3	25.3	54.0	-28.7
1136.34	35.7	V	105.0	100.0	28.2	2.6	44.3	22.2	54.0	-31.8
1192.78	35.8	V	300.0	100.0	28.4	2.6	44.3	22.6	54.0	-31.4
1990.76	35.6	V	145.0	100.0	31.6	3.5	44.4	26.3	54.0	-27.7
Avg Value = Level + AF + CL - Amp										
Margin = Avg Value - Limit										

Horizontal (1-18GHz)



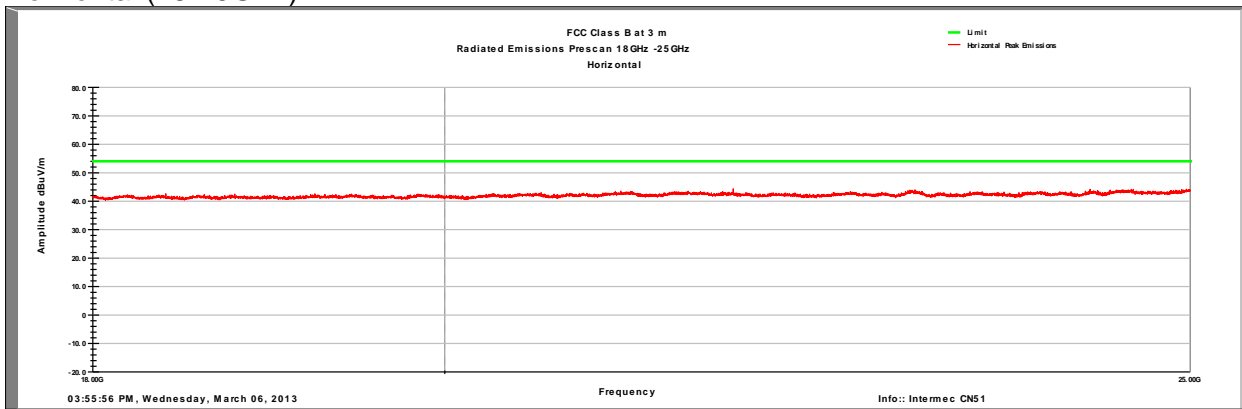
Frequency MHz	Raw AVG dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	CL (dB)	Amp (dB)	AVG value dBuV/m	Peak Limit (dBuV/m)	Margin (dB)
1008.08	43.3	H	299.0	166.0	27.8	2.4	44.3	29.2	54.0	-24.8
1864.45	36.2	H	210.0	268.0	30.6	3.4	44.4	25.8	54.0	-28.2
1993.22	37.5	H	188.0	367.0	31.6	3.5	44.4	28.3	54.0	-25.7
2843.22	42.3	H	359.0	100.0	33.1	4.3	44.5	35.2	54.0	-18.8
Avg Value = Level + AF + CL - Amp										
Margin = Avg Value - Limit										

802.11N, Ch. 1, MCS7
Vertical (18-25GHz)



Note: No signals detected above equipment noise floor

Horizontal (18-25GHz)



Note: No signals detected above equipment noise floor

7.7 Band Edge Summary Results

Mode	Ch	Data Rate Mbps	Frequency MHz	Raw AV dBuV	Polarity (V/H)	AF (dB/m)	CL (dB)	Amp (dB)	AV Value (dBuV/m)	Limit (dBuV/m)	Margin (dB)
N	11	MC7	2483.50	15.3	H	31.6	3.7	0.0	50.6	54.0	-3.4
N	11	MC7	2483.50	8.1	V	31.6	3.7	0.0	43.4	54.0	-10.6
G	11	6	2483.50	9.1	V	31.6	3.7	0.0	44.4	54.0	-9.6
G	11	6	2483.50	15.2	H	31.6	3.7	0.0	50.5	54.0	-3.5
G	11	54	2483.50	8.1	V	31.6	3.7	0.0	43.4	54.0	-10.6
G	11	54	2483.50	14.1	H	31.6	3.7	0.0	49.4	54.0	-4.6
B	11	11	2483.50	7.9	V	31.6	3.7	0.0	43.2	54.0	-10.8
B	11	11	2483.50	12.0	H	31.6	3.7	0.0	47.3	54.0	-6.7
B	11	1	2483.50	7.9	V	31.6	3.7	0.0	43.2	54.0	-10.8
B	11	1	2483.50	8.7	H	31.6	3.7	0.0	44.0	54.0	-10.0

8 Conducted Emissions

8.1 Test Result

Test Description	Test Specifications	Test Result
Conducted Emissions	15.107, Class B ICES-003, Class B	Compliant

8.2 Test Method

With the receivers resolution bandwidth was set to 9 kHz the initial preliminary 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)	
	FCC	CISPR	FCC	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	

8.3 Test Site

SGS EMC Laboratory, Suwanee, GA

Environmental Conditions

Temperature: 24.4 °C

Relative Humidity: 47.8 %

8.4 Test Equipment

Equipment	Model	Manufacturer	Asset Number	Cal Due Date
LISN	NNB51	TESEQ	B085882	9-Oct-13
Receiver	ESU8	R & S	B085759	12-Jun-13

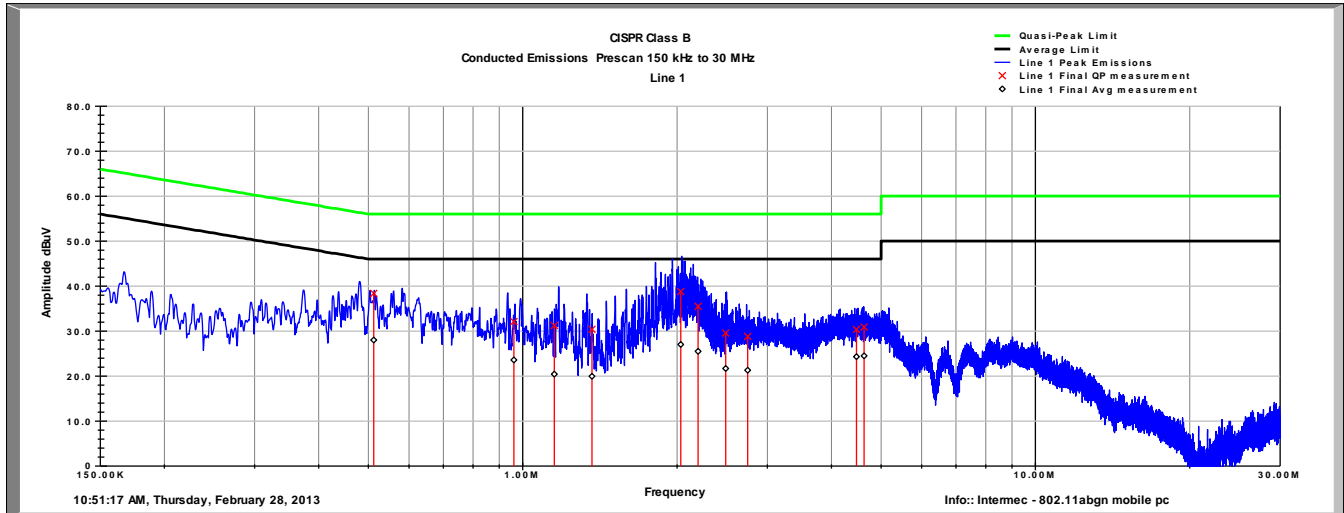
Note: The calibration period equipment is 1 year.

Software:

“Conducted Emissions” TILE! profile dated 10 Nov 2011

8.5 Test Data

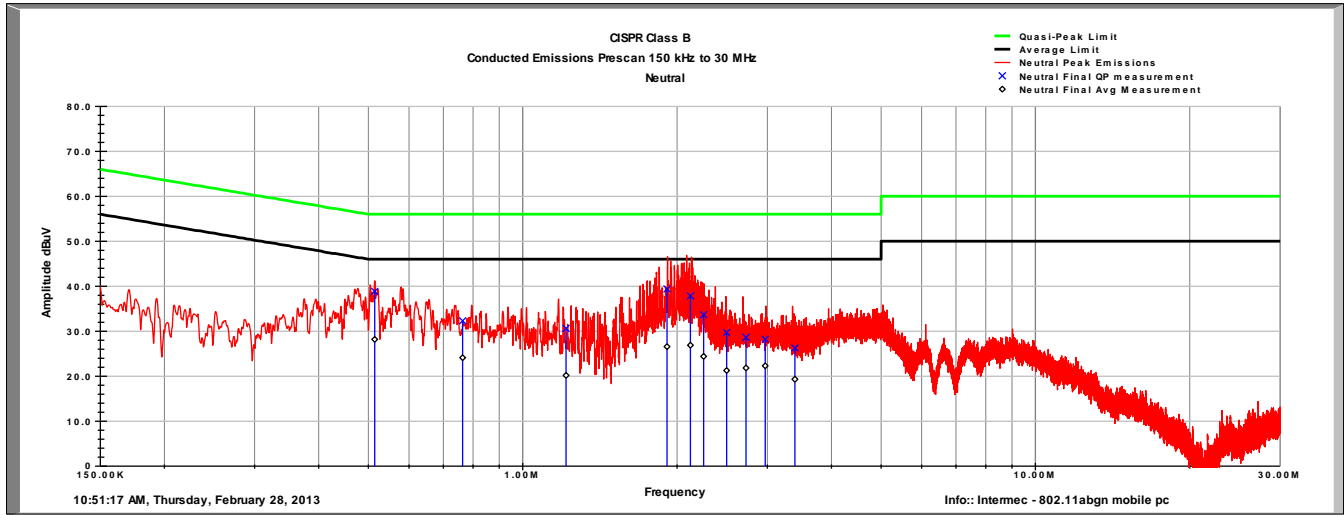
802.11b CH1 1MB
Line 1 Conducted Emissions Plot



Line 1 Conducted Emissions Data

Frequency MHz	QP Value dBuV	QP Limit dBuV	Margin dB	Avg Value dBuV	Avg Limit dBuV	Avg Margin dB
0.512	38.4	56.0	-17.6	28.0	46.0	-18.0
0.961	32.1	56.0	-23.9	23.6	46.0	-22.4
1.153	31.2	56.0	-24.8	20.4	46.0	-25.6
1.365	30.4	56.0	-25.6	19.9	46.0	-26.1
2.033	38.8	56.0	-17.2	27.0	46.0	-19.0
2.198	35.5	56.0	-20.5	25.5	46.0	-20.5
2.488	29.6	56.0	-26.4	21.7	46.0	-24.3
2.746	28.8	56.0	-27.2	21.3	46.0	-24.7
4.476	30.4	56.0	-25.6	24.3	46.0	-21.7
4.632	30.9	56.0	-25.1	24.5	46.0	-21.5

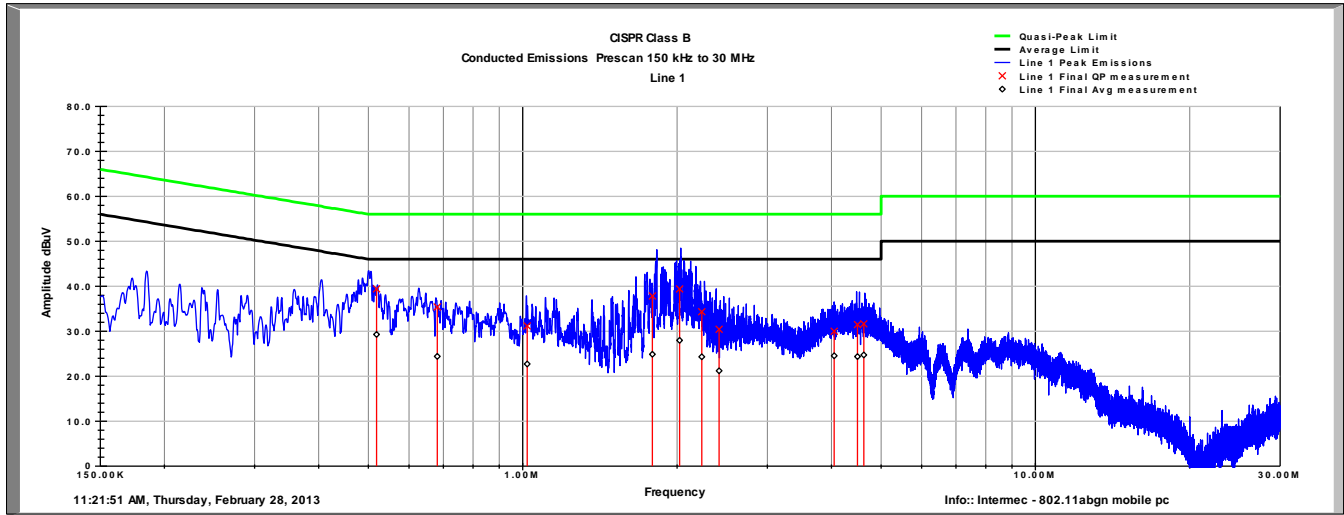
Neutral Conducted Emissions Plot



Neutral Conducted Emissions Data

Frequency MHz	QP Value dBuV	QP Limit dBuV	QP Margin dB	Avg Value dBuV	Avg Limit dBuV	Avg Margin dB
0.514	38.9	56.0	-17.1	28.2	46.0	-17.8
0.763	32.3	56.0	-23.7	24.1	46.0	-21.9
1.215	30.6	56.0	-25.4	20.2	46.0	-25.8
1.912	39.4	56.0	-16.6	26.6	46.0	-19.4
2.123	37.8	56.0	-18.2	26.9	46.0	-19.1
2.254	33.7	56.0	-22.3	24.4	46.0	-21.6
2.499	29.7	56.0	-26.3	21.2	46.0	-24.8
2.726	28.6	56.0	-27.4	21.8	46.0	-24.2
2.971	28.2	56.0	-27.8	22.3	46.0	-23.7
3.395	26.3	56.0	-29.7	19.3	46.0	-26.7

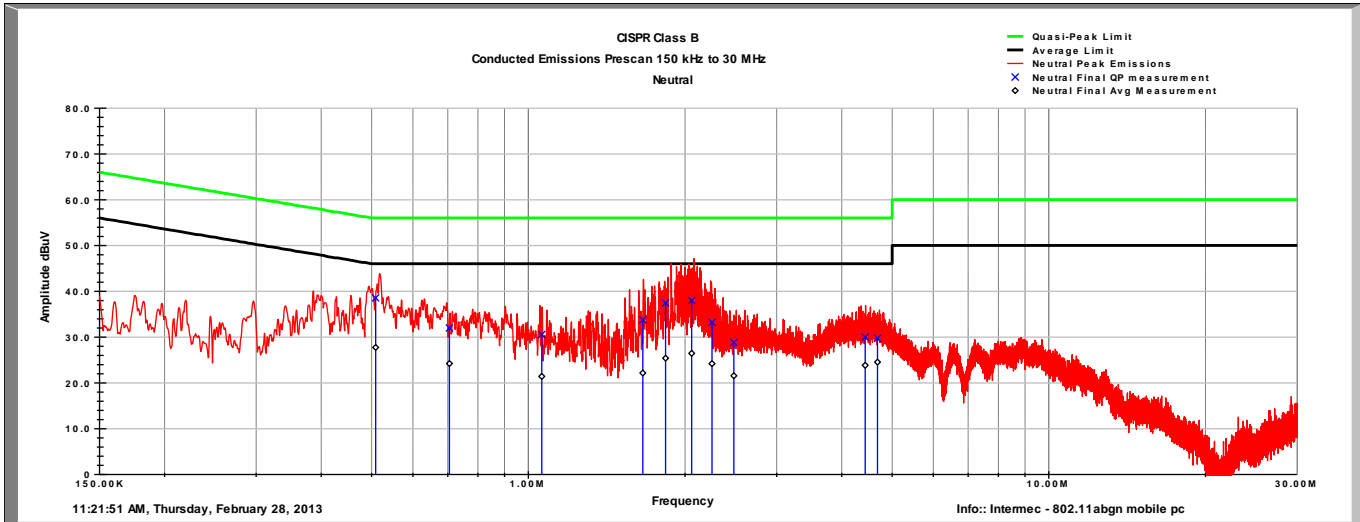
CH6 1MB Line 1 Conducted Emissions Plot



Line 1 Conducted Emissions Data

Frequency MHz	QP Value dBuV	QP Limit dBuV	Margin dB	Avg Value dBuV	Avg Limit dBuV	Avg Margin dB
0.519	39.4	56.0	-16.6	29.3	46.0	-16.7
0.681	35.4	56.0	-20.6	24.4	46.0	-21.6
1.020	31.2	56.0	-24.8	22.7	46.0	-23.3
1.790	37.8	56.0	-18.2	24.9	46.0	-21.1
2.023	39.4	56.0	-16.6	28.0	46.0	-18.0
2.235	34.3	56.0	-21.7	24.3	46.0	-21.7
2.415	30.4	56.0	-25.6	21.2	46.0	-24.8
4.050	30.0	56.0	-26.0	24.5	46.0	-21.5
4.496	31.5	56.0	-24.5	24.4	46.0	-21.6
4.625	31.6	56.0	-24.4	24.7	46.0	-21.3

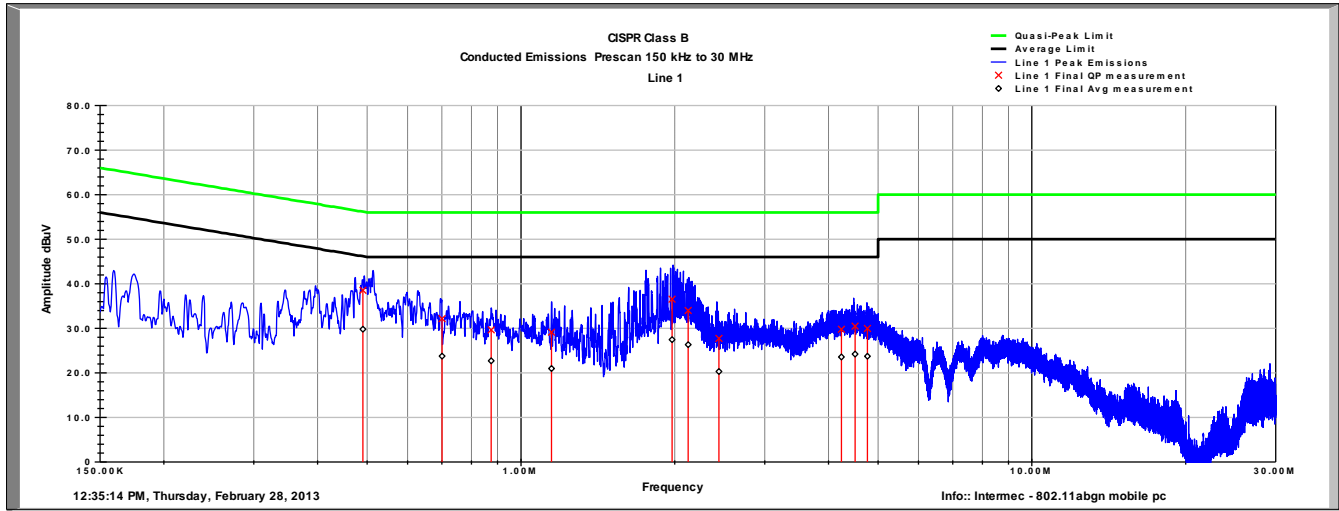
Neutral Conducted Emissions Plot



Neutral Conducted Emissions Data

Frequency MHz	QP Value dBuV	QP Limit dBuV	QP Margin dB	Avg Value dBuV	Avg Limit dBuV	Avg Margin dB
0.509	38.6	56.0	-17.4	27.7	46.0	-18.3
0.705	32.0	56.0	-24.0	24.2	46.0	-21.8
1.061	30.6	56.0	-25.4	21.4	46.0	-24.6
1.659	33.8	56.0	-22.2	22.2	46.0	-23.8
1.836	37.5	56.0	-18.5	25.4	46.0	-20.6
2.059	38.0	56.0	-18.0	26.5	46.0	-19.5
2.253	33.2	56.0	-22.8	24.2	46.0	-21.8
2.482	28.8	56.0	-27.2	21.5	46.0	-24.5
4.437	30.0	56.0	-26.0	23.8	46.0	-22.2
4.686	29.7	56.0	-26.3	24.5	46.0	-21.5

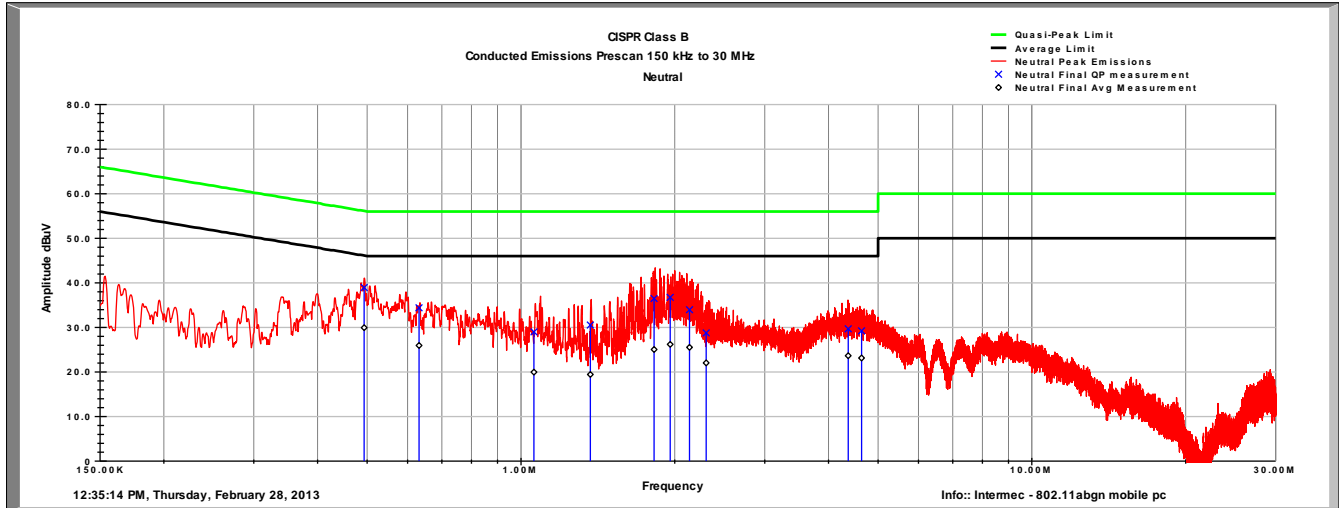
CH11 1MB Line 1 Conducted Emissions Plot



Line 1 Conducted Emissions Data

Frequency MHz	QP Value dBuV	QP Limit dBuV	Margin dB	Avg Value dBuV	Avg Limit dBuV	Avg Margin dB
0.491	38.5	56.2	-17.7	29.8	46.2	-16.4
0.701	32.2	56.0	-23.8	23.8	46.0	-22.2
0.874	29.6	56.0	-26.4	22.7	46.0	-23.3
1.148	29.1	56.0	-26.9	21.0	46.0	-25.0
1.976	36.5	56.0	-19.5	27.5	46.0	-18.5
2.125	34.0	56.0	-22.0	26.3	46.0	-19.7
2.440	27.7	56.0	-28.3	20.3	46.0	-25.7
4.239	29.8	56.0	-26.2	23.6	46.0	-22.4
4.508	30.5	56.0	-25.5	24.2	46.0	-21.8
4.765	30.0	56.0	-26.0	23.7	46.0	-22.3

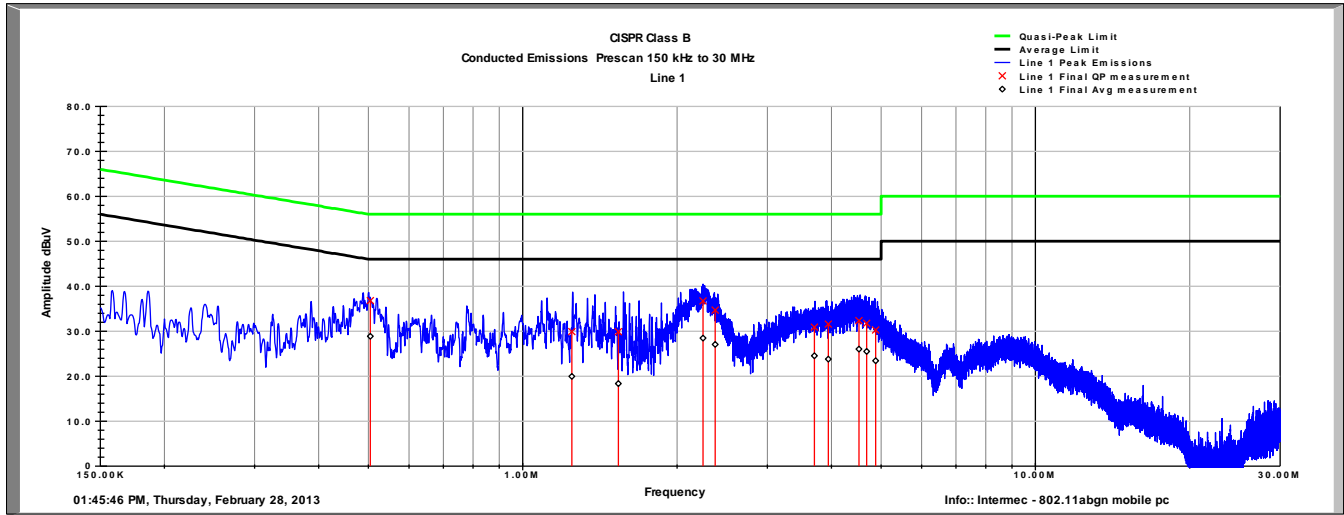
Neutral Conducted Emissions Plot



Neutral Conducted Emissions Data

Frequency MHz	QP Value dBuV	QP Limit dBuV	QP Margin dB	Avg Value dBuV	Avg Limit dBuV	Avg Margin dB
0.493	38.9	56.1	-17.2	29.9	46.1	-16.2
0.632	34.4	56.0	-21.6	25.9	46.0	-20.1
1.060	29.0	56.0	-27.0	20.0	46.0	-26.0
1.367	30.5	56.0	-25.5	19.4	46.0	-26.6
1.822	36.5	56.0	-19.5	25.0	46.0	-21.0
1.959	36.7	56.0	-19.3	26.2	46.0	-19.8
2.138	34.0	56.0	-22.0	25.5	46.0	-20.5
2.305	28.8	56.0	-27.2	22.0	46.0	-24.0
4.371	29.7	56.0	-26.3	23.6	46.0	-22.4
4.641	29.2	56.0	-26.8	23.1	46.0	-22.9

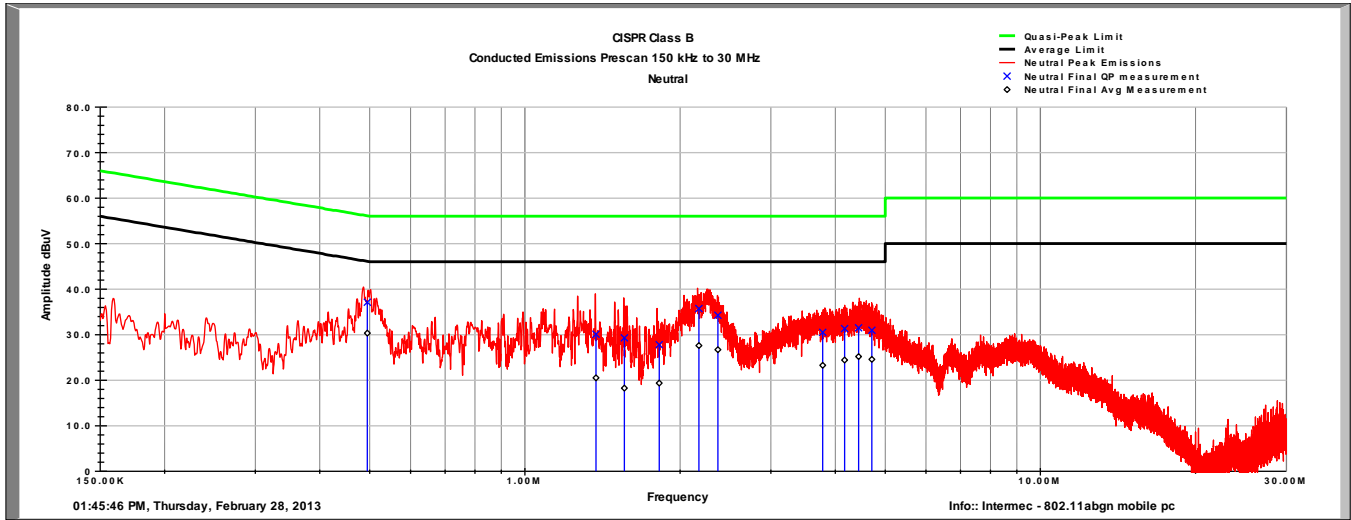
802.11a CH149 6MB
Line 1 Conducted Emissions Plot



Line 1 Conducted Emissions data

Frequency MHz	QP Value dBuV	QP Limit dBuV	Margin dB	Avg Value dBuV	Avg Limit dBuV	Avg Margin dB
0.504	36.8	56.0	-19.2	28.9	46.0	-17.1
1.247	29.9	56.0	-26.1	20.0	46.0	-26.0
1.536	29.9	56.0	-26.1	18.3	46.0	-27.7
2.247	36.7	56.0	-19.3	28.5	46.0	-17.5
2.374	34.7	56.0	-21.3	27.1	46.0	-18.9
3.706	30.9	56.0	-25.1	24.5	46.0	-21.5
3.945	31.6	56.0	-24.4	23.8	46.0	-22.2
4.527	32.3	56.0	-23.7	26.0	46.0	-20.0
4.687	31.8	56.0	-24.2	25.5	46.0	-20.5
4.878	30.3	56.0	-25.7	23.4	46.0	-22.6

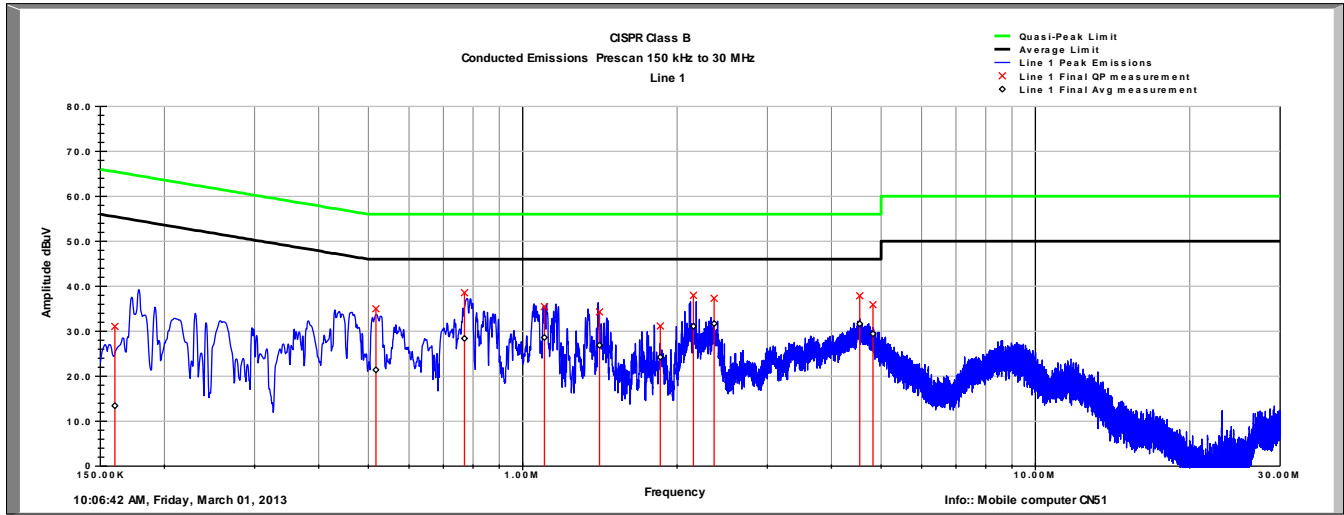
Neutral Conducted Emissions Plot



Neutral Conducted Emissions Data

Frequency MHz	QP Value dBuV	QP Limit dBuV	QP Margin dB	Avg Value dBuV	Avg Limit dBuV	Avg Margin dB
0.495	37.1	56.1	-19.0	30.3	46.1	-15.8
1.374	30.1	56.0	-25.9	20.5	46.0	-25.5
1.559	29.3	56.0	-26.7	18.3	46.0	-27.7
1.822	27.8	56.0	-28.2	19.4	46.0	-26.6
2.176	35.7	56.0	-20.3	27.6	46.0	-18.4
2.368	34.3	56.0	-21.7	26.7	46.0	-19.3
3.782	30.5	56.0	-25.5	23.3	46.0	-22.7
4.171	31.3	56.0	-24.7	24.4	46.0	-21.6
4.440	31.5	56.0	-24.5	25.2	46.0	-20.8
4.711	31.0	56.0	-25.0	24.6	46.0	-21.4

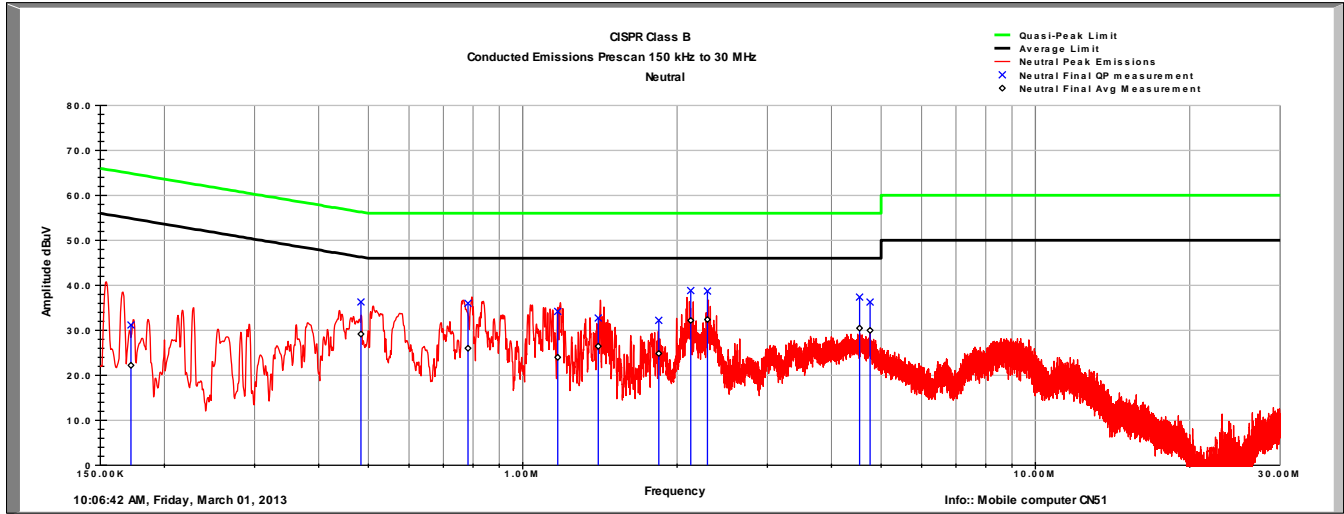
802.11a CH165 6MB
Line 1 Conducted Emissions Plot



Line 1 Conducted Emissions Data

Frequency MHz	QP Value dBuV	QP Limit dBuV	Margin dB	Avg Value dBuV	Avg Limit dBuV	Avg Margin dB
0.160	31.1	65.5	-34.4	13.4	55.5	-42.1
0.517	35.0	56.0	-21.0	21.4	46.0	-24.6
0.770	38.6	56.0	-17.4	28.4	46.0	-17.6
1.102	35.5	56.0	-20.5	28.6	46.0	-17.4
1.412	34.3	56.0	-21.7	26.9	46.0	-19.1
1.855	31.2	56.0	-24.8	24.2	46.0	-21.8
2.153	38.0	56.0	-18.0	31.1	46.0	-14.9
2.362	37.3	56.0	-18.7	31.7	46.0	-14.3
4.544	37.9	56.0	-18.1	31.6	46.0	-14.4
4.820	35.9	56.0	-20.1	29.4	46.0	-16.6

Neutral Conducted Emissions Plot



Neutral Conducted Emissions Data

Frequency MHz	QP Value dBuV	QP Limit dBuV	QP Margin dB	Avg Value dBuV	Avg Limit dBuV	Avg Margin dB
0.172	31.2	64.9	-33.7	22.2	54.9	-32.7
0.484	36.3	56.3	-20.0	29.2	46.3	-17.1
0.782	36.0	56.0	-20.0	26.0	46.0	-20.0
1.170	34.2	56.0	-21.8	24.0	46.0	-22.0
1.403	32.7	56.0	-23.3	26.5	46.0	-19.5
1.842	32.2	56.0	-23.8	24.9	46.0	-21.1
2.127	38.8	56.0	-17.2	32.2	46.0	-13.8
2.292	38.7	56.0	-17.3	32.4	46.0	-13.6
4.540	37.4	56.0	-18.6	30.5	46.0	-15.5
4.758	36.3	56.0	-19.7	30.0	46.0	-16.0

9 Revision History

Revision Level	Description of changes	Revision Date
0	Initial release	17 JUL 2013
1	Updated Peak Output Power measurement section with results according to FCC KDB 558074 D01 DTS Meas Guidance v03r01	16 SEP 2013