FCC CFR47 PART 15 SUBPART E
INDUSTRY CANADA RSS-210 ISSUE 8

CLASS II PERMISSIVE CHANGE
(5.2 GHz, 5.3 GHz & 5.6 GHz BAND)

TEST REPORT

FOR

802.11a/b/g/n/ac WLAN + Bluetooth PCI-E Mini Card

MODEL NUMBER: BCM94352HMB

FCC ID: QDS-BRCM1068
IC: 4324A-BRCM1068

REPORT NUMBER: 13U15041-1, Revision B

ISSUE DATE: JUNE 11, 2013

Prepared for

BROADCOM CORPORATION
190 MATHILDA PLACE
SUNNYVALE, CA 94086, U.S.A.

Prepared by

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NVLAP LAB CODE 200065-0

Revision History

Rev.	Issue Date	Revisions	Revised By
--	05/07/13	Initial Issue	F. Ibrahim
A	05/14/13	Revised section 5.3	F. Ibrahim
B	06/11/13	Added 5.3 and 5.6 GHz bands data	F. Ibrahim

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: BROADCOM CORPORATION
190 MATHILDA PLACE
SUNNYVALE, CA 94086, U.S.A.

EUT DESCRIPTION: 802.11a/b/g/n/ac WLAN + Bluetooth PCI-E Mini Card

MODEL: BCM94352HMB

SERIAL NUMBER: 001018A973CE

DATE TESTED: MAY 02, 2013 – JUNE 5, 2013

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
CFR 47 Part 15 Subpart E	Pass
INDUSTRY CANADA RSS-210 Issue 8 Annex 9	Pass
INDUSTRY CANADA RSS-GEN Issue 3	Pass

UL CCS tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL CCS based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL CCS and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL CCS will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

Approved & Released For UL CCS By:

FRANK IBRAHIM
WiSE PROGRAM MANAGER
UL CCS

Tested By:

KRISTOPHER NGUYEN
WiSE LABORATORY ENGINEER
UL CCS

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC CFR 47 Part 2, FCC CFR 47 Part 15, FCC 06-96, FCC KDB 789033, ANSI C63.10-2009, RSS-GEN Issue 3, and RSS-210 Issue 8.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 Benicia Street, Fremont, California, USA.

UL CCS is accredited by NVLAP, Laboratory Code 200065-0. The full scope of accreditation can be viewed at http://www.ccsemc.com.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)

36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
Conducted Disturbance, 0.15 to 30 MHz	3.52 dB
Radiated Disturbance, 30 to 1000 MHz	4.94 dB

Uncertainty figures are valid to a confidence level of 95%.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is an 802.11a/b/g/n/ac WLAN + Bluetooth PCI-E Mini Card.

The radio module is manufactured by Broadcom.

5.2. MAXIMUM OUTPUT POWER

Output power was verified to be within +/- 0.5 dB from original values covered by report number 12U14473-2E.

5.3. DESCRIPTION OF CLASS II PERMISSIVE CHANGE

Adding the following new type of antenna:

No.	Antenna Manufacturer	Antenna Type	Model	Peak gain @ 2400-2483.5MHz	Peak gain @5150-5250	Peak gain 5150-5350MHz	Peak gain @5470-5725	Peak gain @5725 -5850
1	INPNQ Technology	Monopole/Dipole	DAMF1HM28001400	1.21dBi	2.15dBi	2.06dBi	1.62dBi	1.56dBi
2	INPNQ Technology	Monopole/Dipole	DAM-I6-H-DB-800-10-17	1.29dBi	-0.58dBi	0.87dBi	1.94dBi	-0.74dBi

5.4. SOFTWARE AND FIRMWARE

The EUT driver software installed during testing was Broadcom, rev. 6.30.0.0.
The test utility software used during testing was BCM Internal, rev. 6.30.RC307.1166.

5.5. WORST-CASE CONFIGURATION AND MODE

Refer to original report number 12U14473-2E for this info.

5.6. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	**Manufacturer**	**Model**	**Serial Number**	**FCC ID**
Laptop	Lenovo	G560	CB06427441	DoC
AC/DC Adapter	Lenovo	PA-1650-56LC	11S36001651ZZ40008KCMA	DoC
Jig Board	Catalyst	MINI2EXP	384-0153-002	N/A

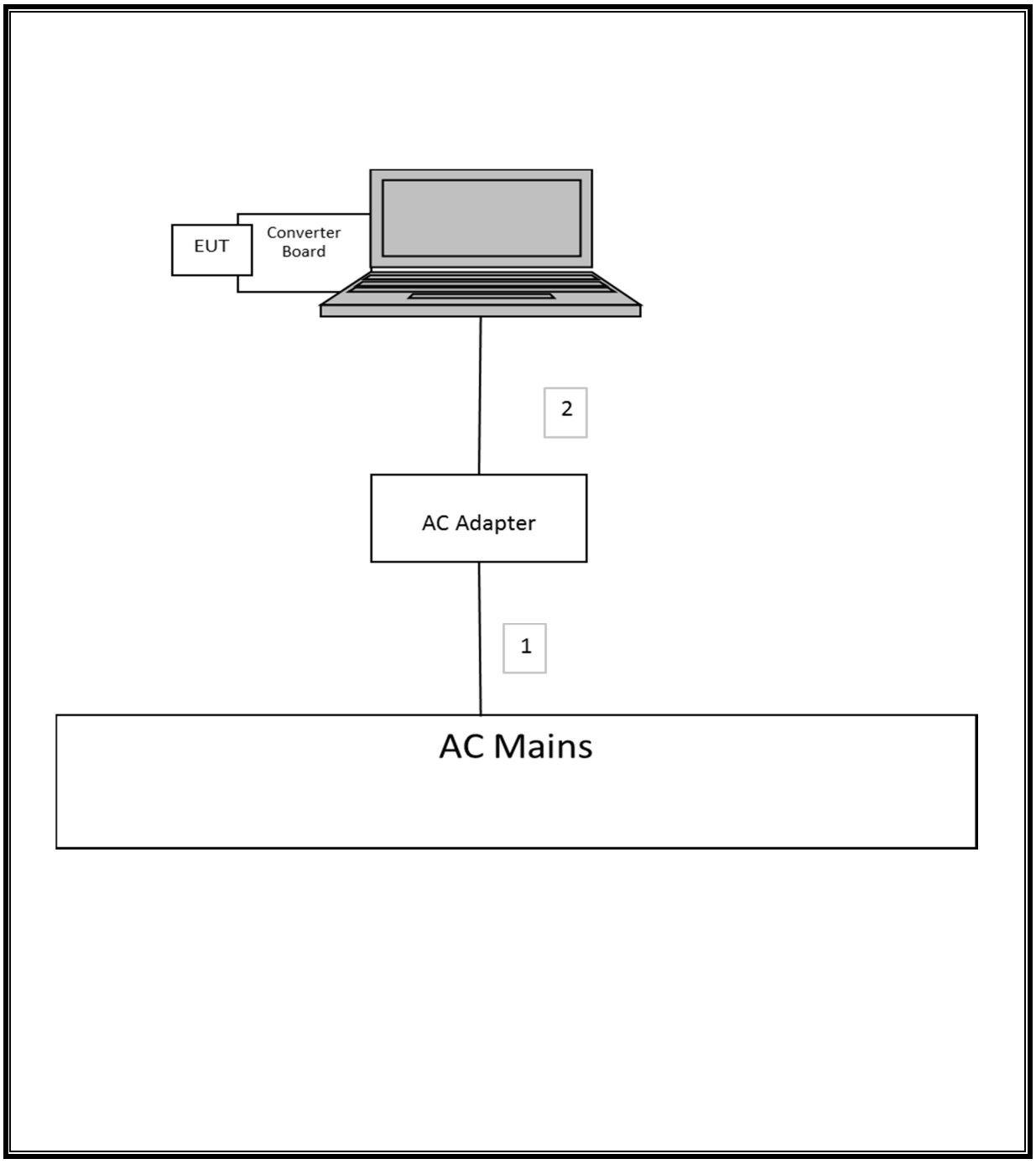
I/O CABLES

I/O CABLE LIST						
Cable No.	**Port**	**# of Identical Ports**	**Connector Type**	**Cable Type**	**Cable Length**	**Remarks**
1	AC	1	US 115V	Shielded	1.5m	NA
2	DC	1	DC	Un-shielded	1.5m	Ferrite at laptop's end

TEST SETUP

The EUT is attached to a jig board which is installed in the PCMCI slot of a host laptop computer during the tests. Test software exercised the radio card.

SETUP DIAGRAM FOR TESTS



6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Test Equipment List					
Description	**Manufacturer**	**Model**	**Asset**	**Cal Date**	**Cal Due**
Peak / Average Power Sensor	Agilent / HP	E9323A	0	07/26/12	07/26/13
P-Series single channel Power Meter	Agilent / HP	N1911A	0	07/27/12	07/27/13
PSA	Agilent / HP	E4446A	C00986	04/01/13	04/01/14
EMI Test Receiver, 9 kHz-7 GHz	R & S	ESCI 7	0	08/21/12	08/21/13
Antenna, Horn, 18 GHz	ETS	3117	C01022	02/21/13	02/21/14
Antenna, Biconolog, 30MHz-1 GHz	Sunol Sciences	JB1	C01016	08/14/12	08/14/13
Preamplifier, 1300 MHz	Agilent / HP	8447D	C00885	01/16/13	01/16/14
Preamplifier, 26.5 GHz	Agilent / HP	8449B	C01052	10/22/12	10/22/13
Preamplifier, 40 GHz	Miteq	NSP4000-SP2	C00990	08/02/11	08/02/13
Antenna, Horn, 40 GHz	ARA	MWH-2640/B	C00981	06/14/11	06/14/13

7. ON TIME, DUTY CYCLE AND MEASUREMENT METHODS

LIMITS

None; for reporting purposes only.

PROCEDURE

KDB 789033 Zero-Span Spectrum Analyzer Method.

7.1. ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)
802.11a 20 MHz	2.07	2.088	0.991	99.1%	0.00	0.010
802.11n HT20 CDD	1.93	1.948	0.991	99.1%	0.00	0.010
802.11n HT40 CDD	0.948	0.965	0.982	98.2%	0.00	0.010
802.11n HT40 STBC	0.951	0.968	0.982	98.2%	0.00	0.010
802.11n HT80 CDD	0.4635	0.4805	0.965	96.5%	0.16	2.157

7.2. MEASUREMENT METHOD FOR POWER AND PPSD

When Duty Cycle is greater than or equal to 98%, KDB 789033 Method SA-1 is used.

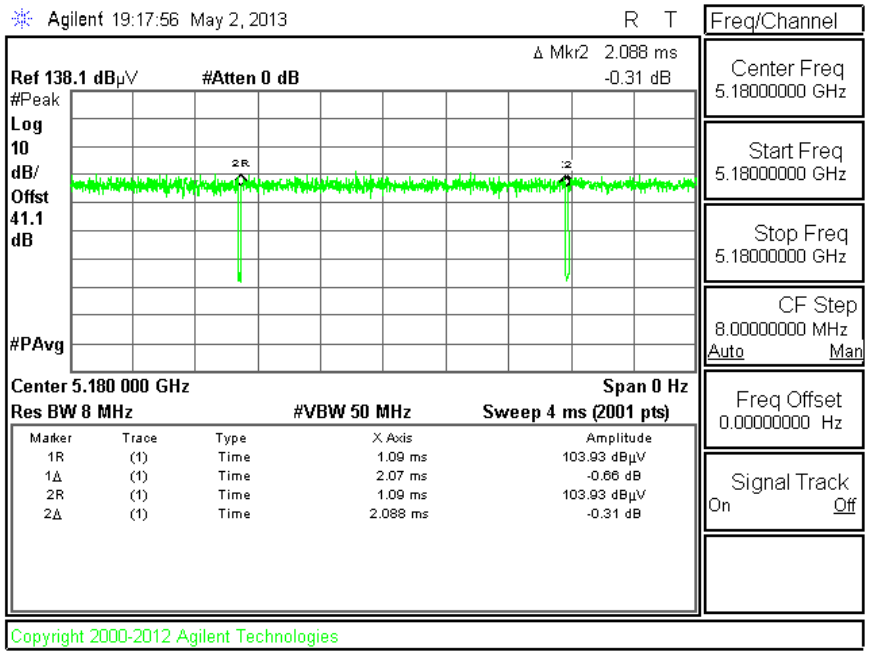
When Duty Cycle is less than 98% and consistent, KDB 789033 Method SA-2 is used.

7.3. MEASUREMENT METHOD FOR AVG SPURIOUS EMISSIONS ABOVE 1 GHz

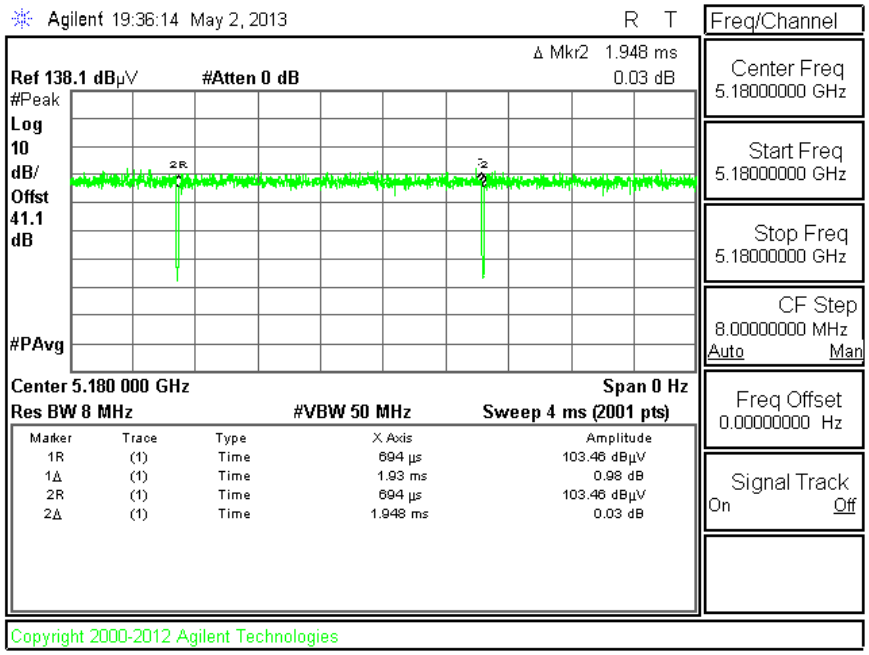
KDB 789033 Method VB Averaging is used for both cases of duty cycle greater than 98% and less than 98%.

7.4. DUTY CYCLE PLOTS

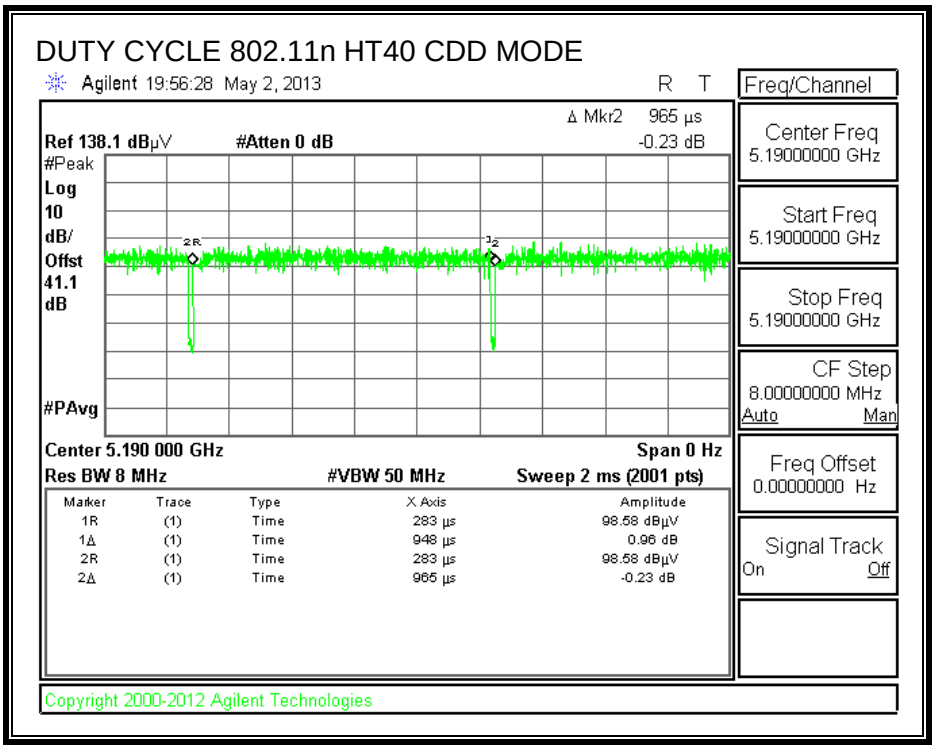
DUTY CYCLE 802.11a MODE



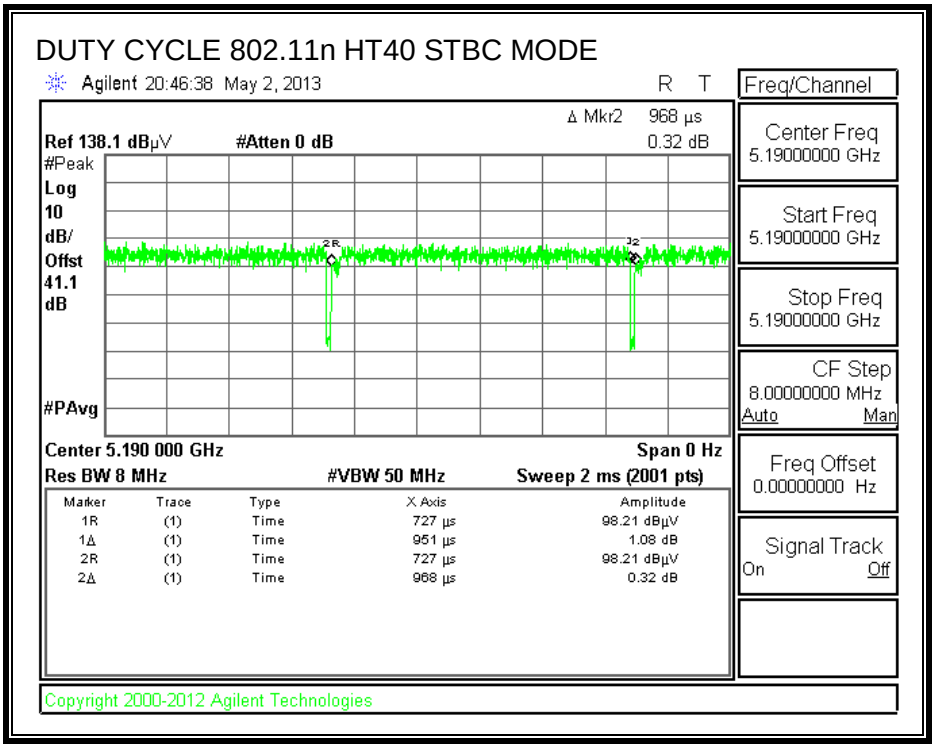
DUTY CYCLE 802.11n HT20 CDD MODE



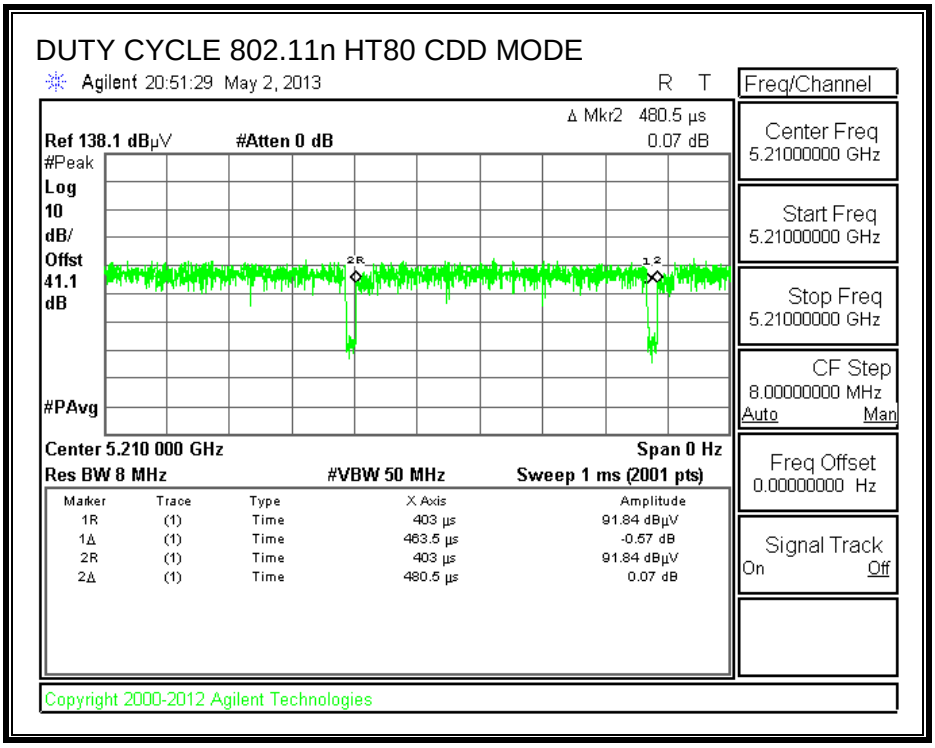
DUTY CYCLE 802.11n HT40 CDD MODE



DUTY CYCLE 802.11n HT40 STBC MODE



DUTY CYCLE 802.11n HT80 CDD MODE



8. RADIATED TEST RESULTS

8.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

IC RSS-210 Clause 2.6 (Transmitter)

IC RSS-GEN Clause 6 (Receiver)

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane. The antenna to EUT distance is 3 meters.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 1 MHz for peak measurements and as applicable for average measurements.

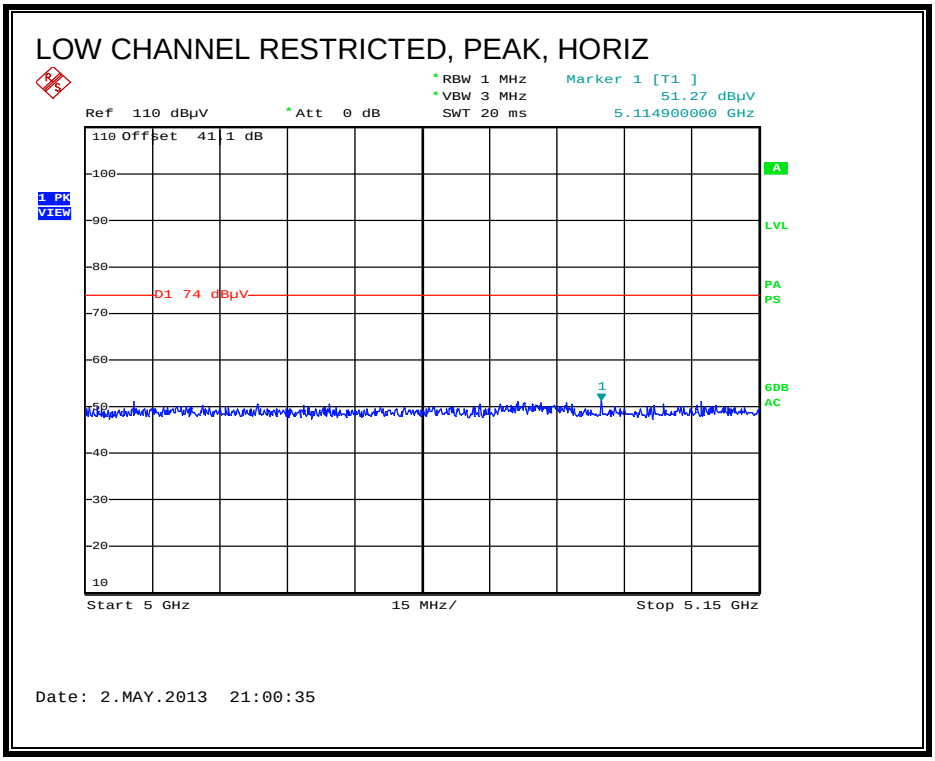
The spectrum from 30 MHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

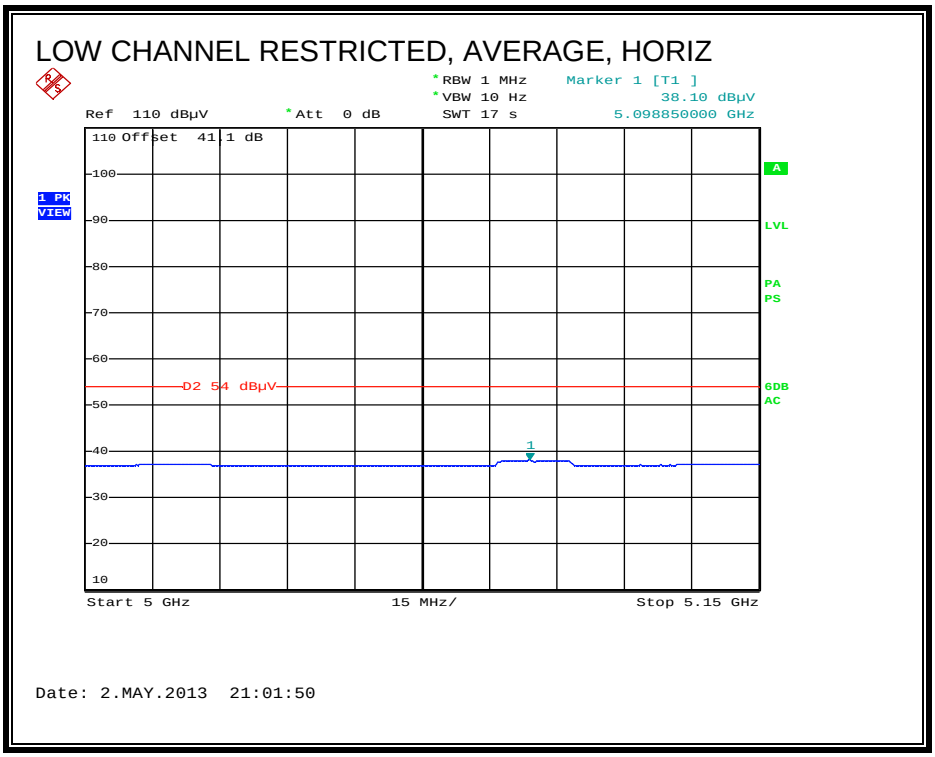
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

8.2. TRANSMITTER ABOVE 1 GHz

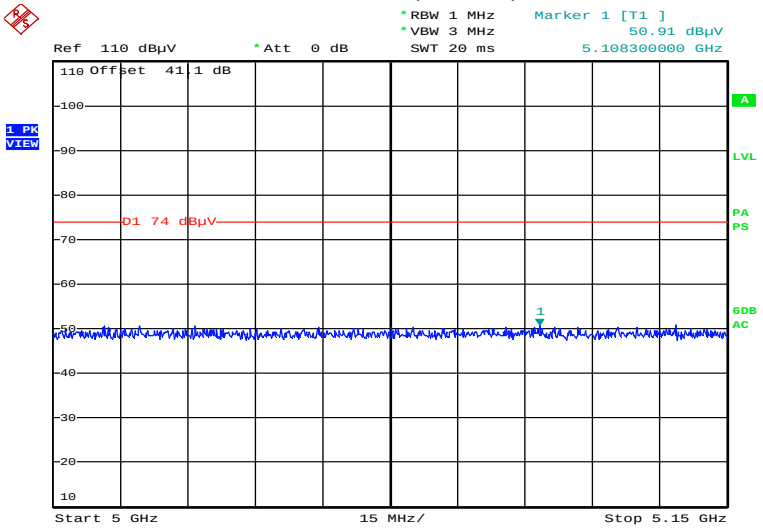
8.2.1. 802.11a LEGACY 1TX MODE, 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

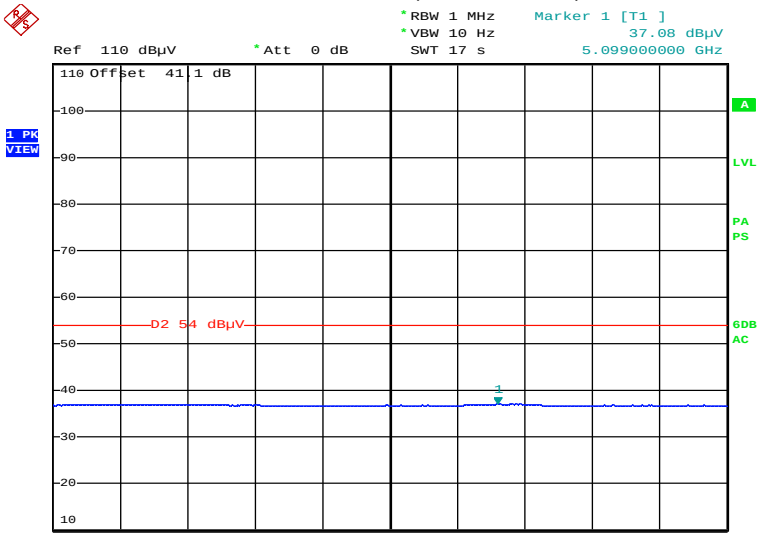




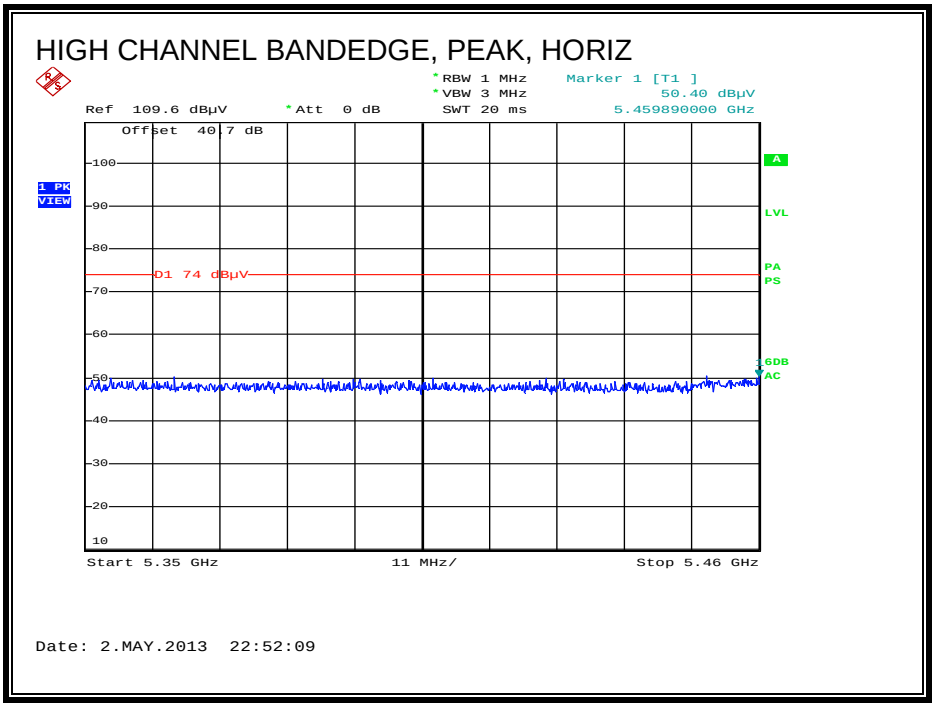
LOW CHANNEL RESTRICTED, PEAK, VERT

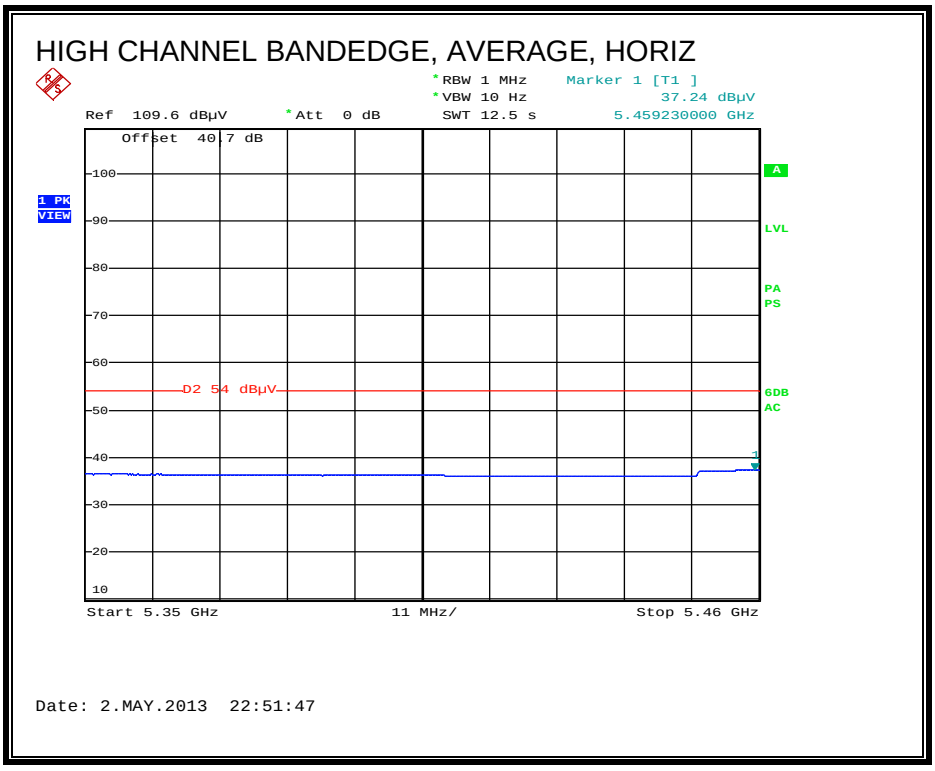


LOW CHANNEL RESTRICTED, AVERAGE, VERT

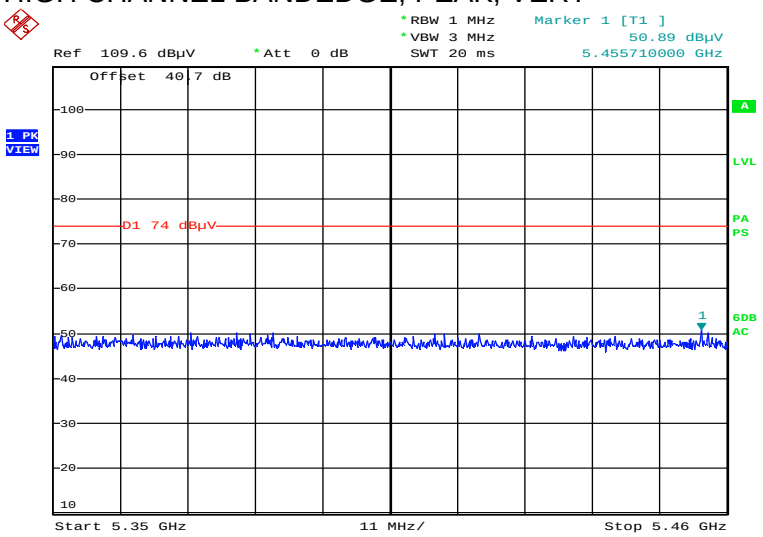


AUTHORIZED BANDEDGE (HIGH CHANNEL)





HIGH CHANNEL BANDEDGE, PEAK, VERT



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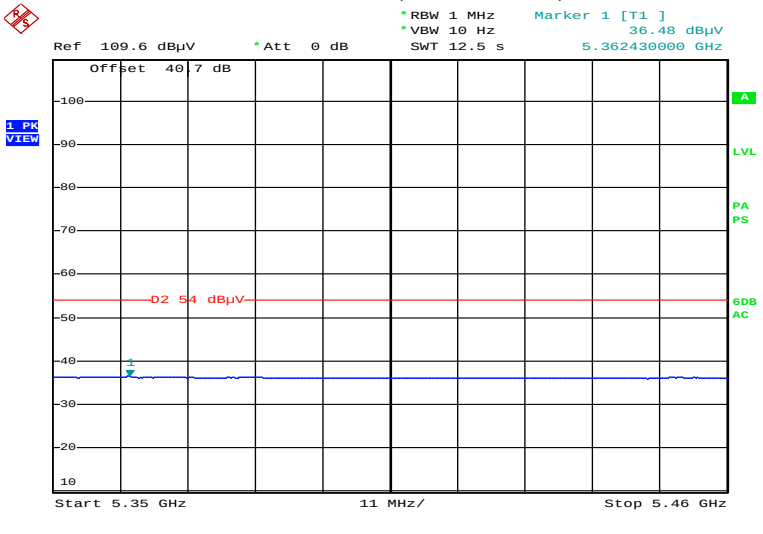
HIGH CHANNEL BANDEDGE, AVERAGE, VERT



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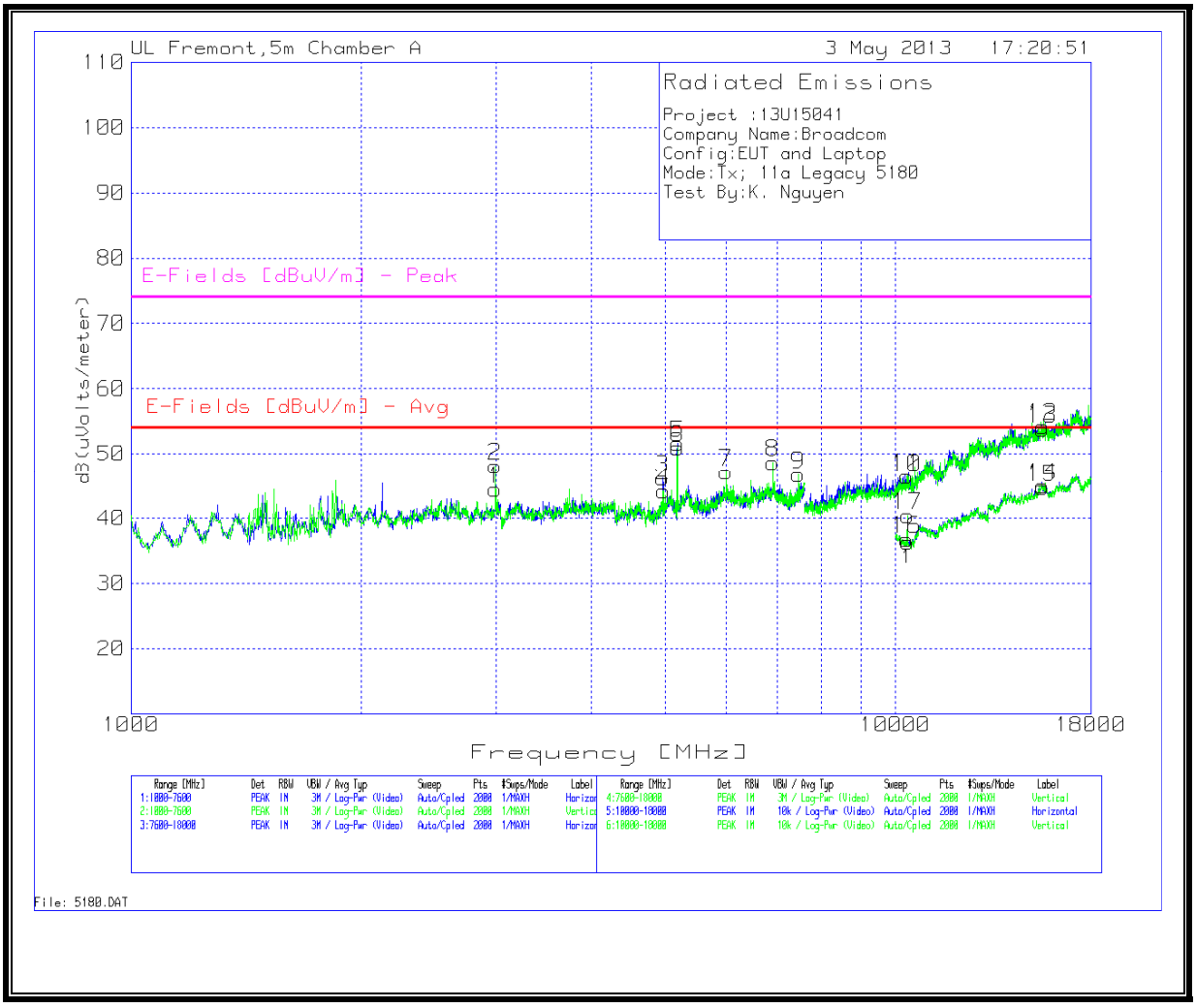
HARMONICS AND SPURIOUS EMISSIONS

Low Channel



Trace Markers

Horizontal 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	2998.801	43.45	PK	32.7	-36.7	5	0	44.45	-	-	68.2	-23.75	200	Horz
3	4964.618	40.77	PK	33.9	-35.6	6.9	0.3	46.27	54	-7.73	74	-27.73	121	Horz
5	5182.309	44.99	PK	34.2	-35.5	7	0.9	51.59	-	-	68.2	-16.61	121	Horz

Vertical 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
2	2998.801	47.12	PK	32.7	-36.7	5	0	48.12	-	-	68.2	-20.08	100	Vert
4	4967.916	38.65	PK	33.9	-35.6	6.9	0.4	44.25	54	-9.75	74	-29.75	100	Vert
6	5182.309	44.31	PK	34.2	-35.5	7	0.9	50.91	-	-	68.2	-17.29	200	Vert
7	6000.3	39.73	PK	35.2	-35.6	7.7	0.1	47.13	-	-	68.2	-21.07	100	Vert
8	6907.346	40.43	PK	35.4	-35.6	8.4	0.1	48.73	-	-	68.2	-19.47	100	Vert
9	7468.066	38.33	PK	35.4	-35.8	8.8	0	46.73	54	-7.27	74	-27.27	200	Vert

Horizontal 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T193 HPF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
10	10354.623	34.44	PK	37.4	-36.1	10.6	0.1	46.44	-	-	68.2	-21.76	100	Horz
12	15557.221	35.33	PK	40.5	-35.1	13.2	0.3	54.23	-	-	74	-19.77	200	Horz

Vertical 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T193 HPF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
11	10354.623	34.53	PK	37.4	-36.1	10.6	0.1	46.53	54	-7.47	74	-27.47	100	Vert
13	15572.814	34.87	PK	40.5	-35.1	13.3	0.2	53.77	-	-	74	-20.23	100	Vert

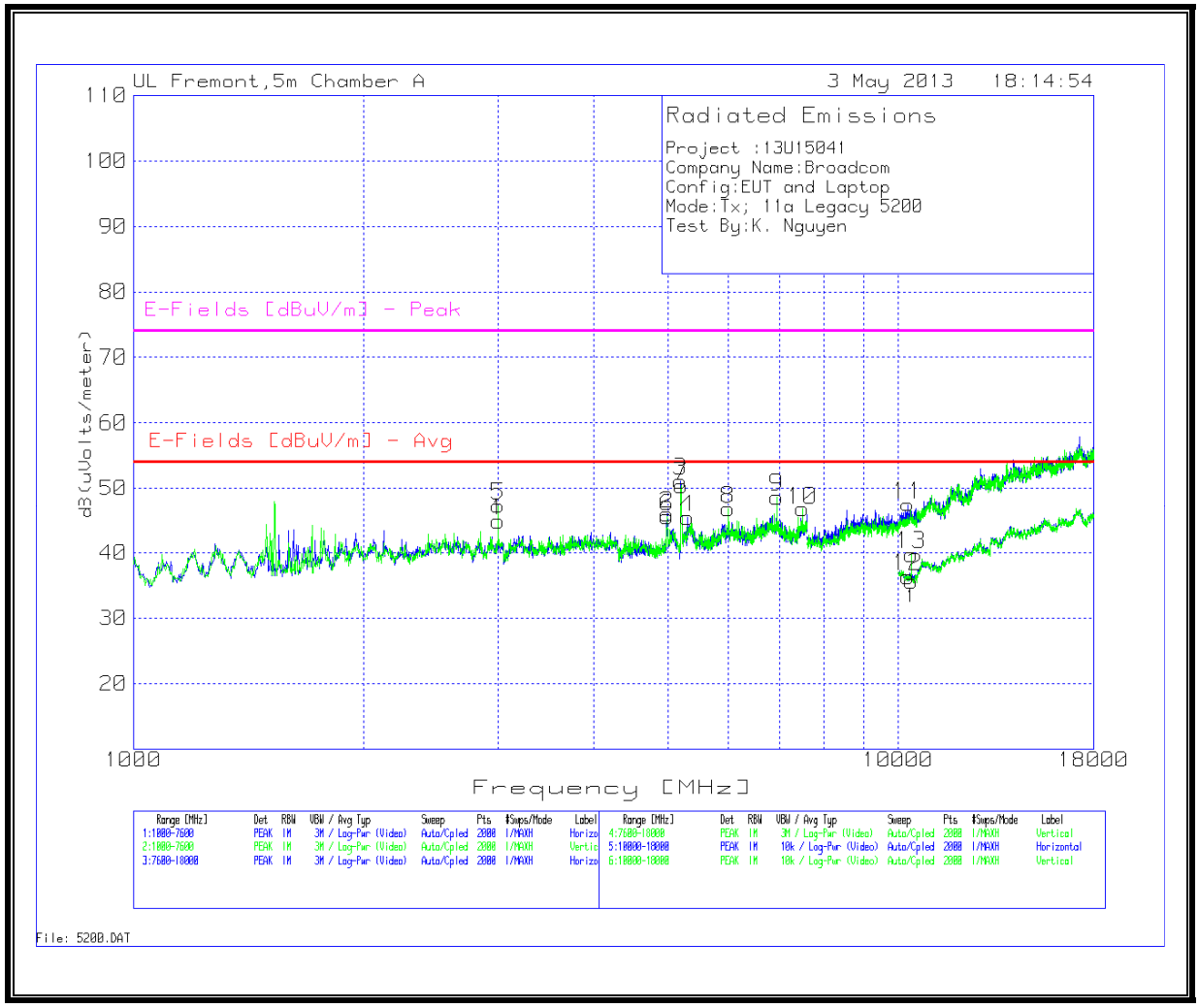
Horizontal 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T193 HPF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
16	10355.822	24.75	PK	37.4	-36.1	10.6	0.1	36.75	54	-17.25	74	-37.25	200	Horz
14	15549.225	25.92	PK	40.6	-35.1	13.2	0.4	45.02	54	-8.98	74	-28.98	100	Horz

Vertical 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T193 HPF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
17	10359.82	28.4	PK	37.4	-36.1	10.6	0.1	40.4	54	-13.6	74	-33.6	200	Vert
15	15573.213	25.79	PK	40.5	-35.1	13.3	0.2	44.69	54	-9.31	74	-29.31	200	Vert

Mid Channel



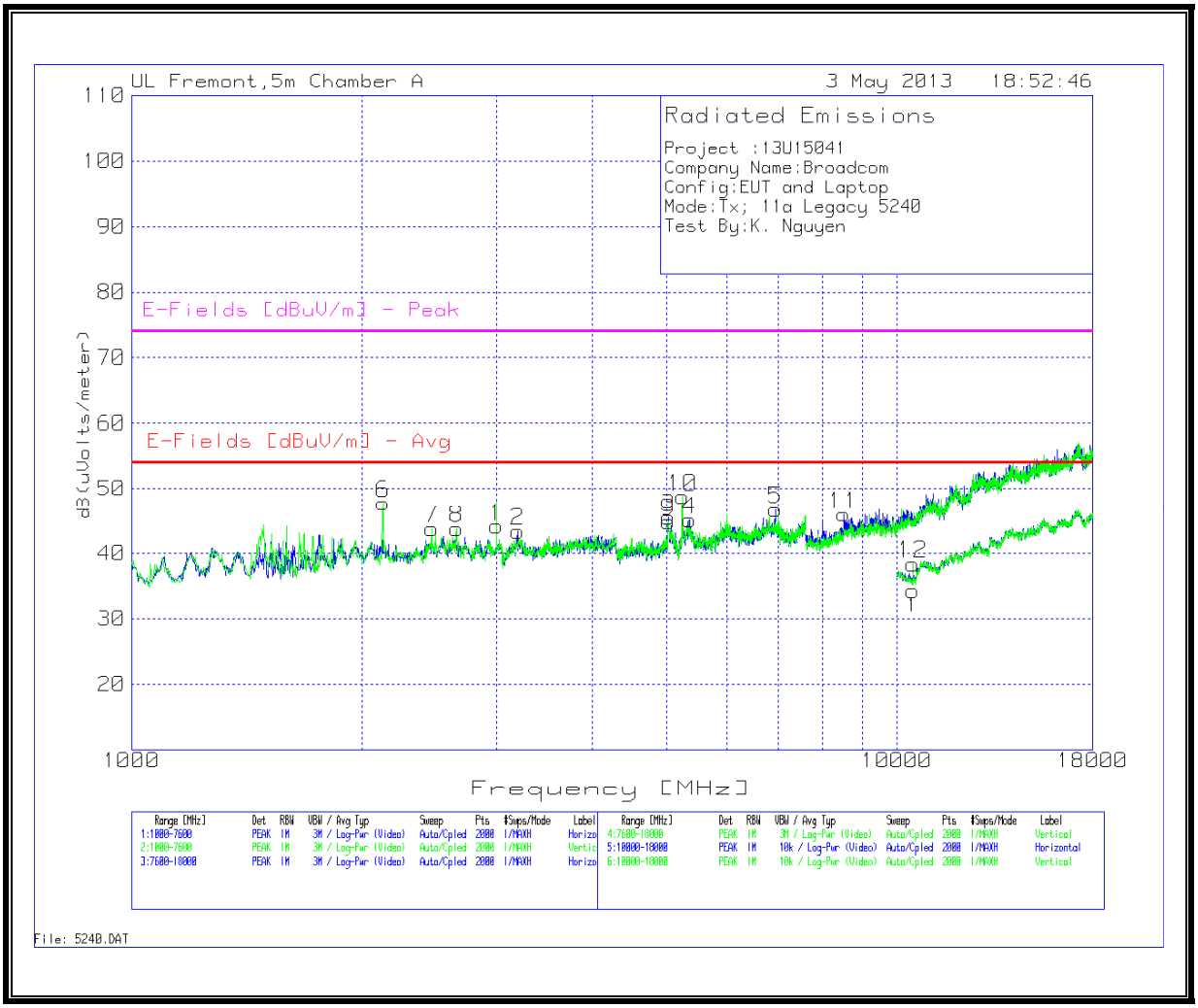
Trace Markers

Horizontal 1000 - 7600MHz														
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	2998.801	43.91	PK	32.7	-36.7	5	0	44.91	-	-	68.2	-23.29	200	Horz
2	4981.109	40.38	PK	33.9	-35.6	6.9	0.4	45.98	54	-8.02	74	-28.02	200	Horz
3	5195.502	44.56	PK	34.2	-35.5	7	0.9	51.16	-	-	68.2	-17.04	141	Horz
4	5307.646	38.61	PK	34.3	-35.5	7.1	0.9	45.41	-	-	68.2	-22.79	200	Horz

Vertical 1000 - 7600MHz														
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
5	2998.801	46.27	PK	32.7	-36.7	5	0	47.27	-	-	74	-26.73	200	Vert
6	4991.004	39.86	PK	33.9	-35.6	6.9	0.5	45.56	54	-8.44	74	-28.44	100	Vert
7	5198.801	43.85	PK	34.2	-35.5	7	0.9	50.45	-	-	68.2	-17.75	200	Vert
8	6000.3	39.4	PK	35.2	-35.6	7.7	0.1	46.8	-	-	68.2	-21.4	100	Vert
9	6933.733	40.43	PK	35.4	-35.6	8.4	0	48.63	-	-	68.2	-19.57	100	Vert
10	7491.154	38.21	PK	35.4	-35.8	8.8	0.1	46.71	54	-7.29	74	-27.29	100	Vert

Horizontal 7600 - 18000MHz														
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T193 HPF [dB]	dB(uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
11	10287.056	35.62	PK	37.3	-36.1	10.5	0.2	47.52	-	-	68.2	-20.68	100	Horz

High Channel



Vertical 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
6	2131.334	48.99	PK	31.6	-37	4.2	0	47.79	-	-	68.2	-20.41	200	Vert
7	2467.766	43.72	PK	32.4	-36.8	4.5	0	43.82	-	-	68.2	-24.38	200	Vert
8	2659.07	43.18	PK	32.7	-36.8	4.7	0	43.78	54	-10.22	74	-30.22	200	Vert
9	5030.585	38.78	PK	33.9	-35.6	6.9	0.9	44.88	54	-9.12	74	-29.12	100	Vert
10	5241.679	42.04	PK	34.2	-35.5	7.1	0.9	48.74	-	-	68.2	-19.46	200	Vert

Horizontal 7600 - 18000MHz

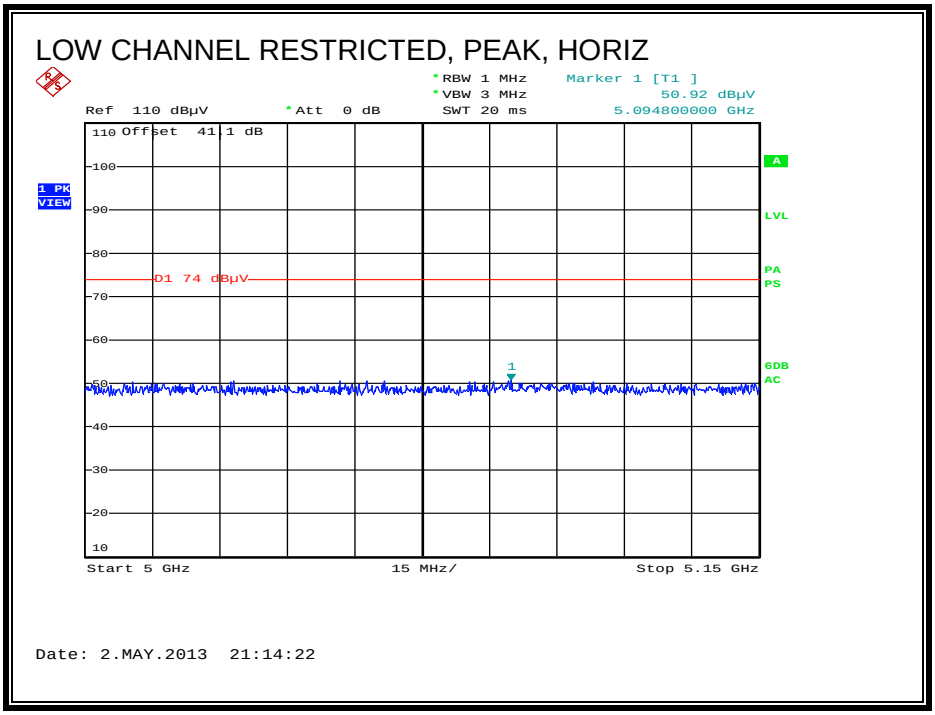
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T193 HPF [dB]	dB(uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
11	8519.94	36.53	PK	35.7	-36	9.5	0.3	46.03	-	-	68.2	-7.97	100	Horz

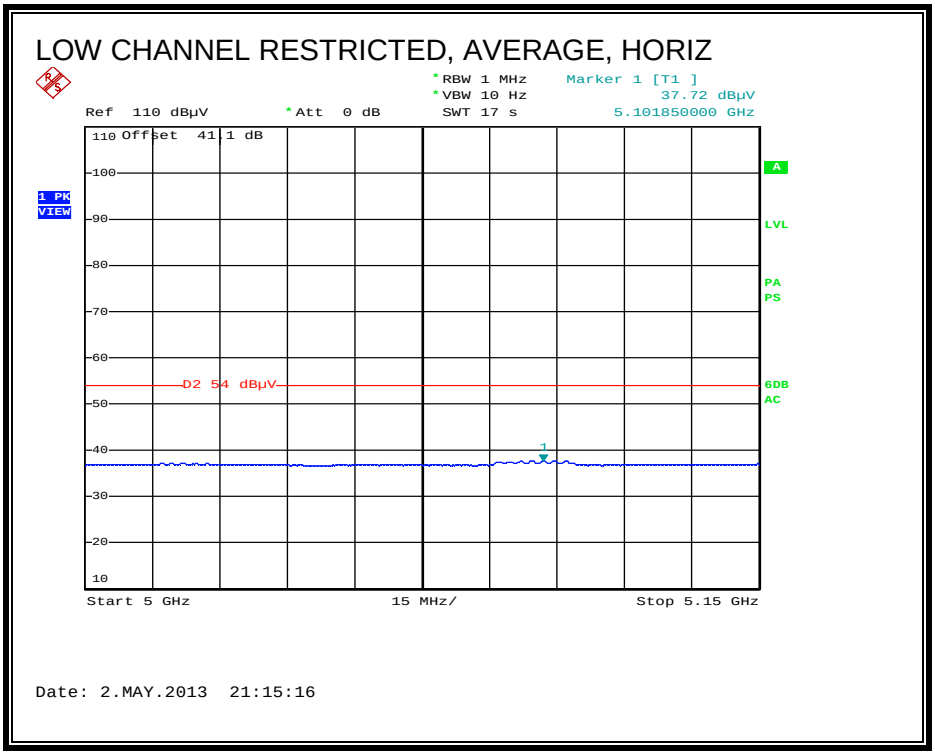
Vertical 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T193 HPF [dB]	dB(uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
12	10479.76	26.11	PK	37.5	-36	10.6	0.2	38.41	54	-15.59	74	-35.59	200	Vert

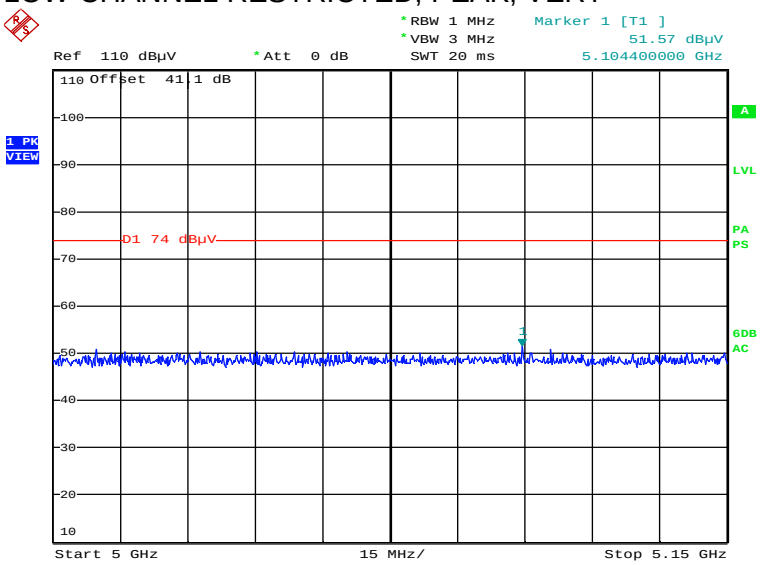
8.2.2. 802.11n HT20 CDD MCS0 2TX MODE, 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



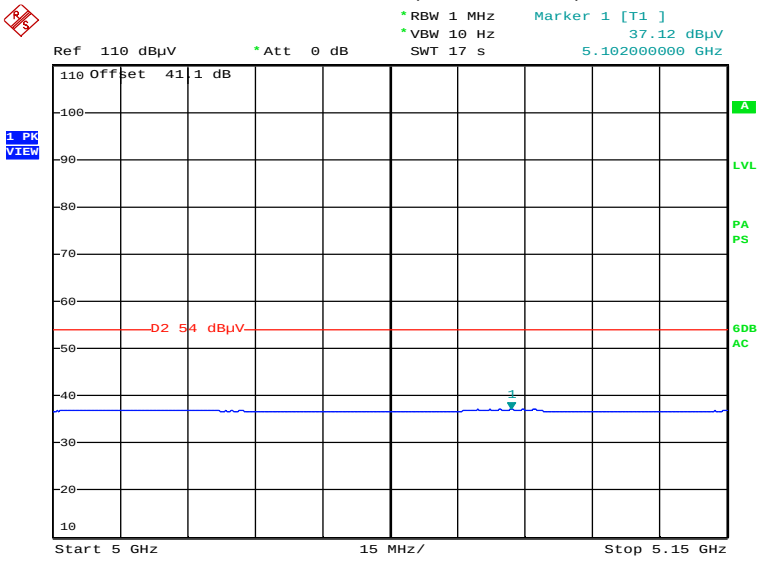


LOW CHANNEL RESTRICTED, PEAK, VERT



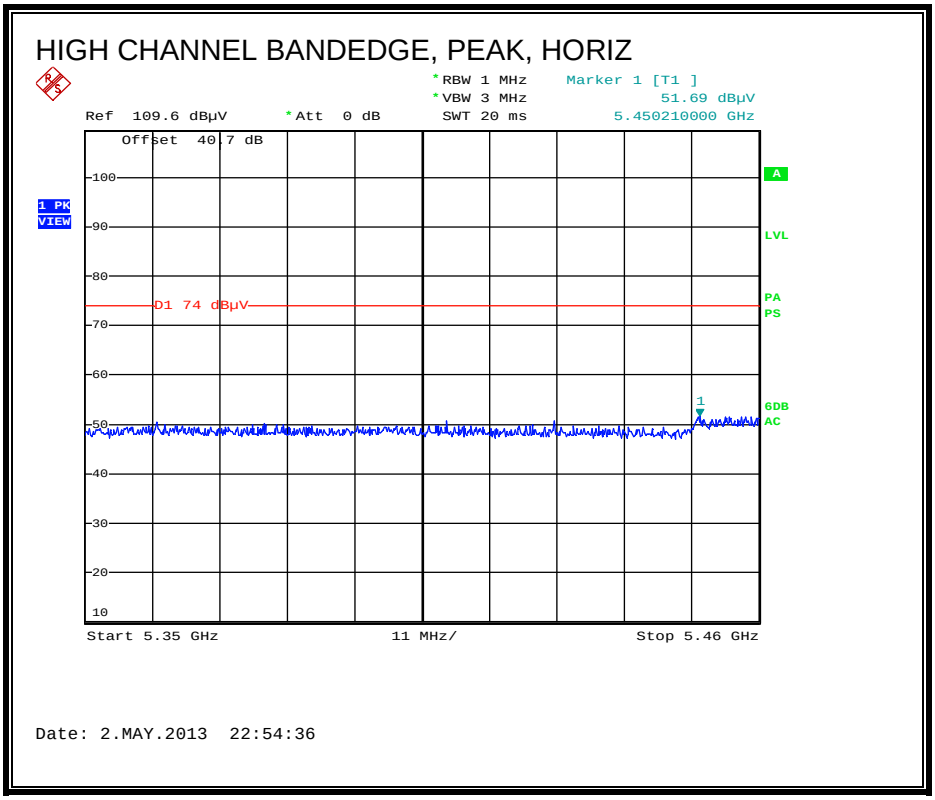
Date: 2.MAY.2013 21:19:04

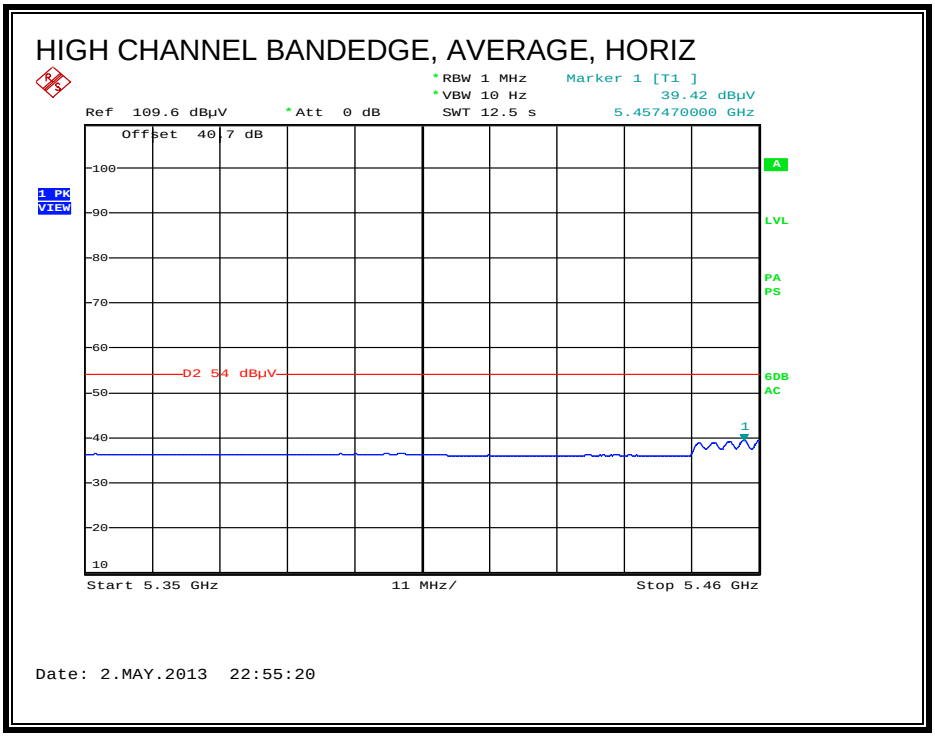
LOW CHANNEL RESTRICTED, AVERAGE, VERT



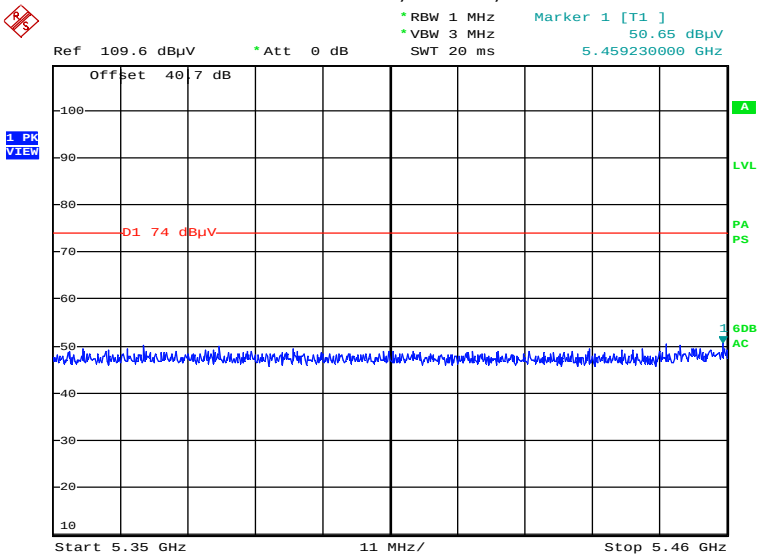
Date: 2.MAY.2013 21:20:31

AUTHORIZED BANDEDGE (HIGH CHANNEL)



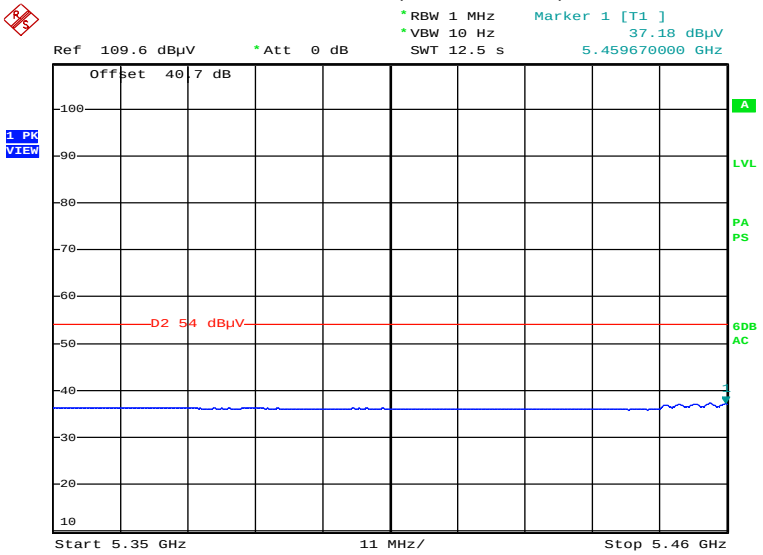


HIGH CHANNEL BANDEDGE, PEAK, VERT



Date: 2.MAY.2013 22:58:01

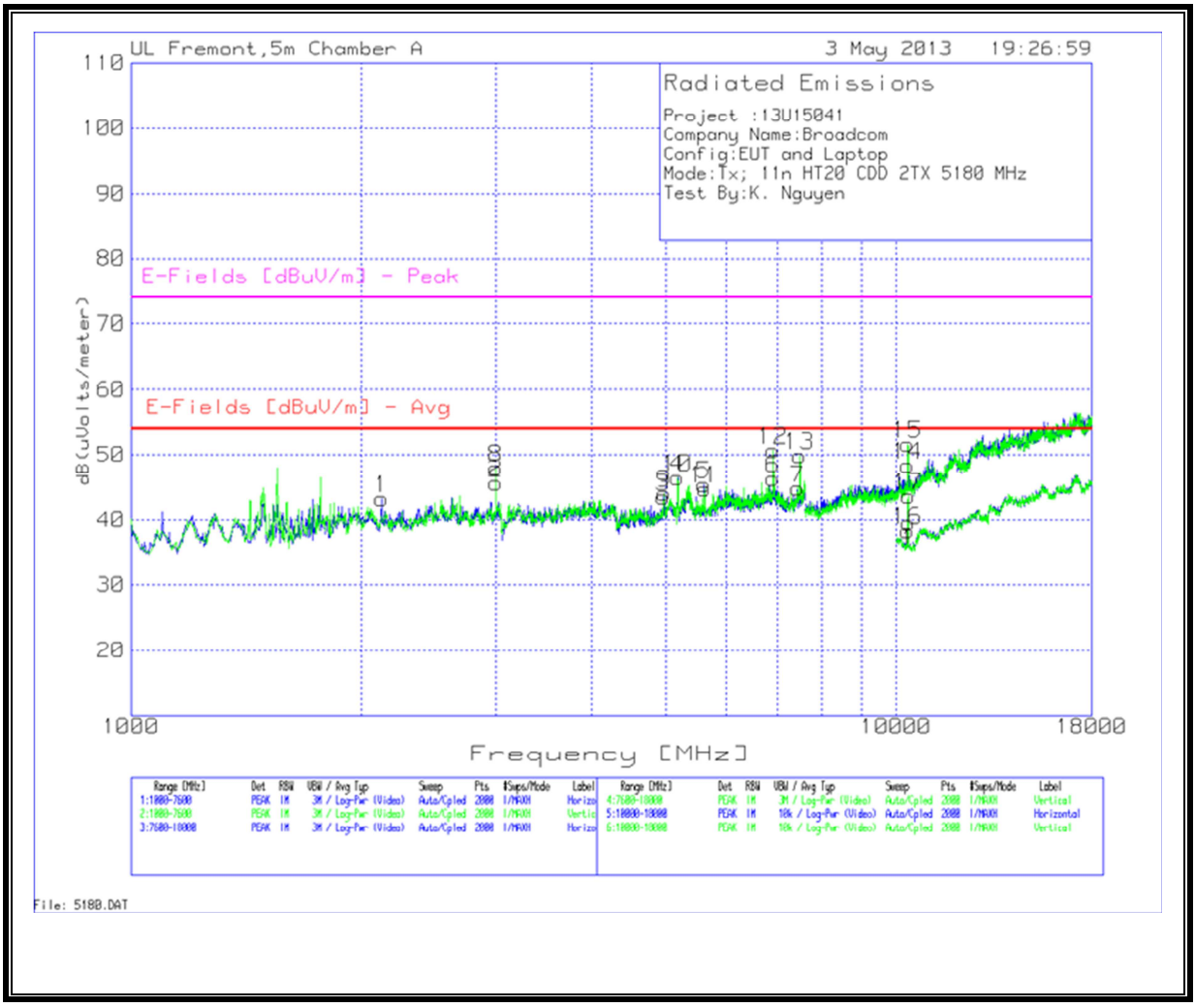
HIGH CHANNEL BANDEDGE, AVERAGE, VERT



Date: 2.MAY.2013 22:57:26

HARMONICS AND SPURIOUS EMISSIONS

Low Channel



Trace Markers

Horizontal 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	2124.738	44.5	PK	31.6	-37	4.2	0	43.3	-	-	68.2	-24.9	200	Horz
2	2998.801	44.68	PK	32.7	-36.7	5	0	45.68	-	-	68.2	-22.52	200	Horz
3	4964.618	38.02	PK	33.9	-35.6	6.9	0.3	43.52	54	-10.48	74	-30.48	100	Horz
4	5182.309	39.92	PK	34.2	-35.5	7	0.9	46.52	-	-	68.2	-21.68	100	Horz
5	5611.094	38.95	PK	34.4	-35.5	7.4	0.2	45.45	-	-	68.2	-22.75	100	Horz
6	6907.346	38.1	PK	35.4	-35.6	8.4	0.1	46.4	-	-	68.2	-21.8	100	Horz
7	7438.381	36.42	PK	35.4	-35.8	8.8	0	44.82	54	-9.18	74	-29.18	100	Horz

Vertical 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
8	2998.801	46.97	PK	32.7	-36.7	5	0	47.97	-	-	68.2	-20.23	100	Vert
9	4971.214	38.45	PK	33.9	-35.6	6.9	0.4	44.05	54	-9.95	74	-29.95	100	Vert
10	5182.309	39.94	PK	34.2	-35.5	7	0.9	46.54	-	-	68.2	-21.66	100	Vert
11	5614.393	38.23	PK	34.4	-35.5	7.4	0.2	44.73	-	-	68.2	-23.47	100	Vert
12	6907.346	42.39	PK	35.4	-35.6	8.4	0.1	50.69	-	-	68.2	-17.51	200	Vert
13	7477.961	41.51	PK	35.4	-35.8	8.8	0	49.91	54	-4.09	74	-24.09	100	Vert

Horizontal 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] -	Average Margin (dB)	E-Fields Limit [dBuV/m] -	Peak Margin (dB)	Height (cm)	Polarity
14	10354.623	36.36	PK	37.4	-36.1	10.6	0.1	48.36	-	-	68.2	-19.84	150	Horz

Vertical 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
15	10354.623	39.66	PK	37.4	-36.1	10.6	0.1	51.66	-	-	68.2	-16.54	100	Vert

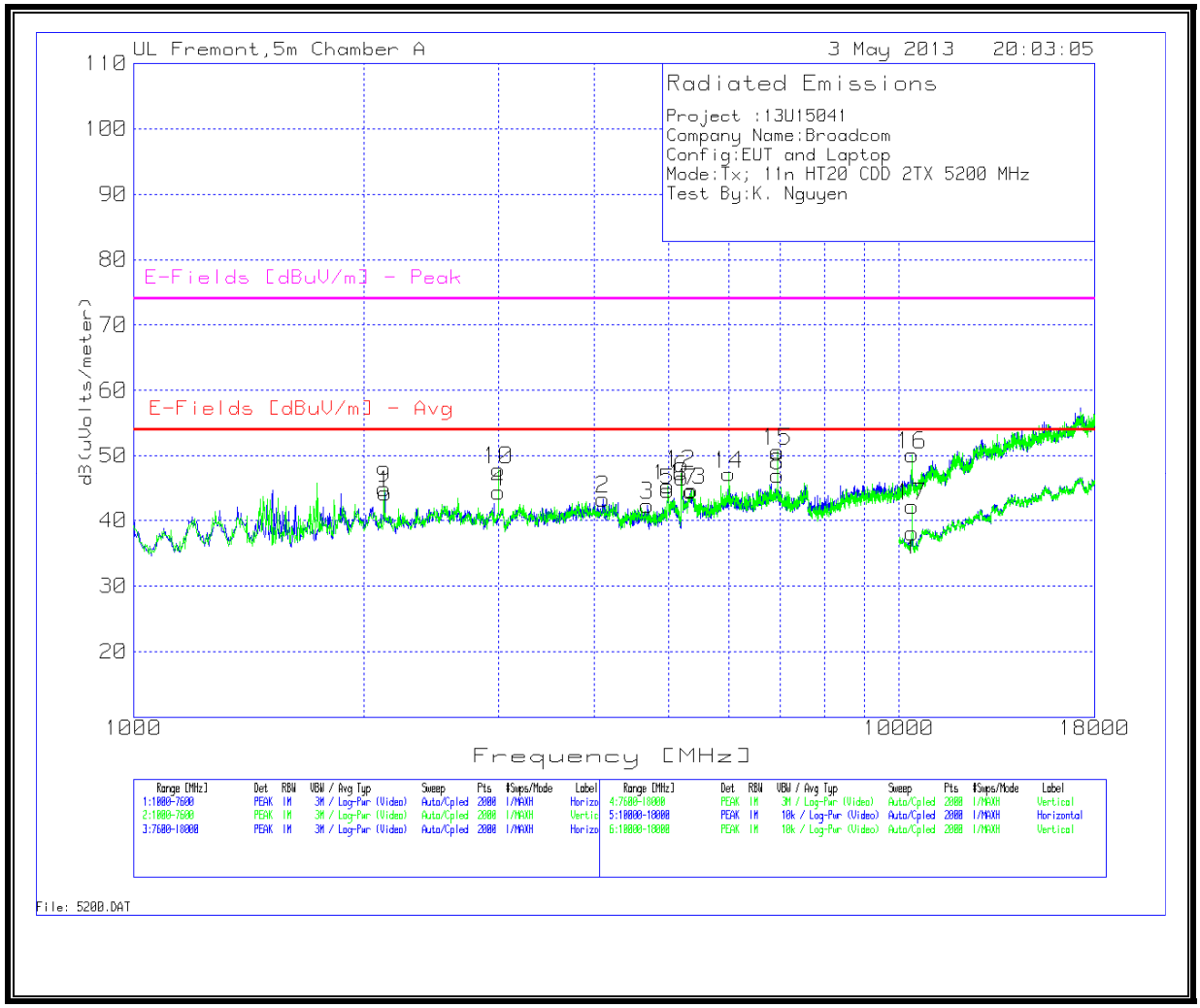
Radiated Emissions

Horizontal 1000 - 7600MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7499.88	28.09	VB1	35.4	-35.8	8.8	0.1	36.59	54	-17.41	-	-	115	103	Vert

VB1 - KDB 789033 v01r02 Method: VB Alternative Reduced Video

Mid Channel



Trace Markers

Horizontal 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	2131.334	45.4	PK	31.6	-37	4.2	0	44.2	-	-	68.2	-24	200	Horz
4	2998.801	43.36	PK	32.7	-36.7	5	0	44.36	-	-	68.2	-23.84	200	Horz
2	4110.345	39.1	PK	33.8	-35.9	6.2	0.1	43.3	54	-10.7	74	-30.7	103	Horz
3	4694.153	37.55	PK	33.9	-35.8	6.6	0.1	42.35	54	-11.65	74	-31.65	103	Horz
5	4991.004	38.85	PK	33.9	-35.6	6.9	0.5	44.55	54	-9.45	74	-29.45	200	Horz
6	5202.099	39.83	PK	34.2	-35.5	7.1	0.9	46.53	-	-	68.2	-21.67	103	Horz
7	5347.226	37.56	PK	34.3	-35.5	7.2	0.9	44.46	-	-	68.2	-23.74	200	Horz
8	6933.733	38.77	PK	35.4	-35.6	8.4	0	46.97	-	-	68.2	-21.23	103	Horz

Vertical 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
9	2124.738	46.12	PK	31.6	-37	4.2	0	44.92	-	-	68.2	-29.08	100	Vert
10	2998.801	46.88	PK	32.7	-36.7	5	0	47.88	-	-	68.2	-26.12	100	Vert
11	4991.004	39.53	PK	33.9	-35.6	6.9	0.5	45.23	54	-8.77	74	-28.77	100	Vert
12	5192.204	40.68	PK	34.2	-35.5	7	0.9	47.28	-	-	68.2	-26.72	200	Vert
13	5360.42	37.62	PK	34.4	-35.5	7.2	0.9	44.62	54	-9.38	74	-29.38	200	Vert
14	6000.3	39.82	PK	35.2	-35.6	7.7	0.1	47.22	-	-	68.2	-26.78	100	Vert
15	6933.733	42.49	PK	35.4	-35.6	8.4	0	50.69	-	-	68.2	-23.31	200	Vert

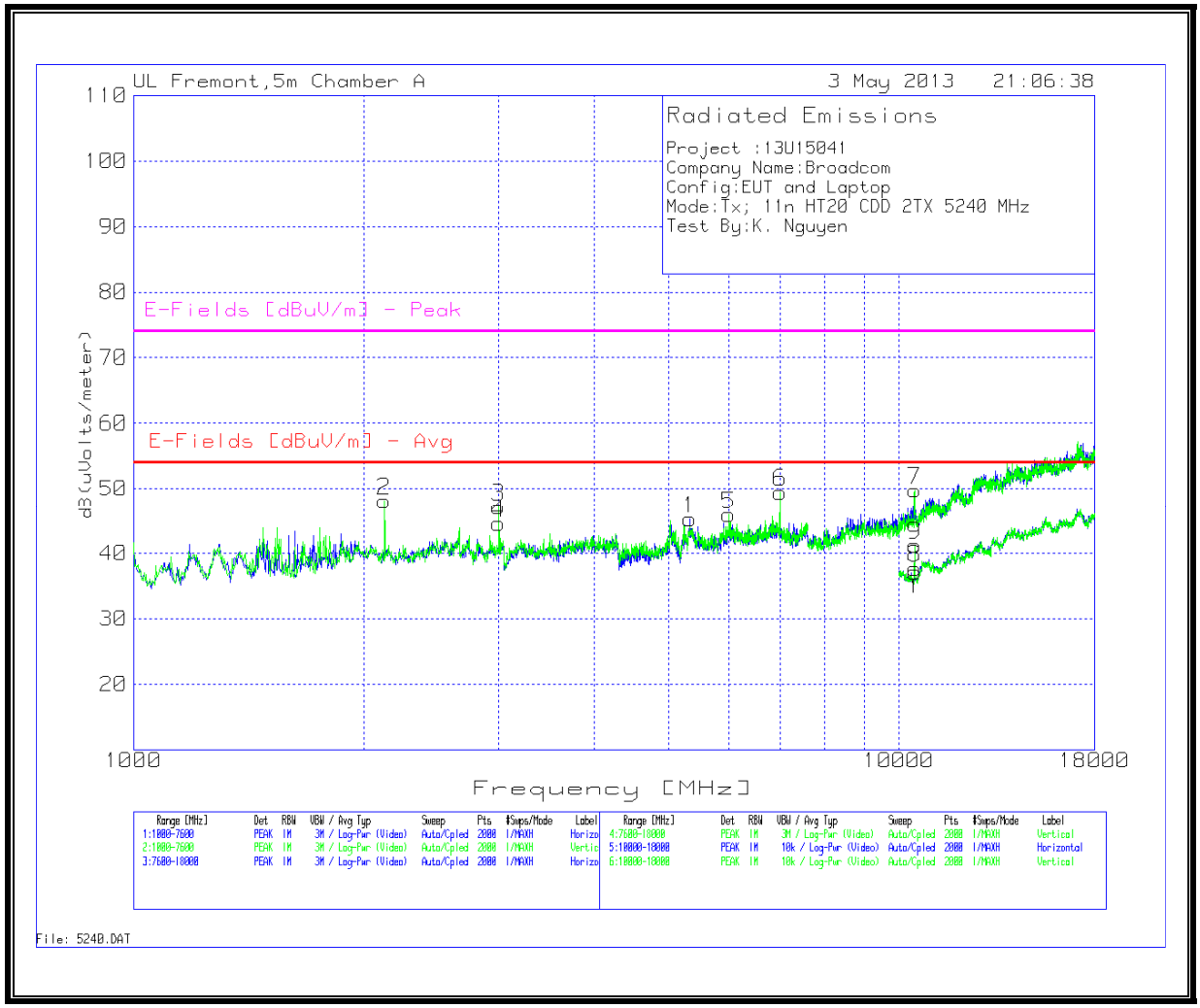
Vertical 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
16	10396.202	37.97	PK	37.4	-36.1	10.6	0.3	50.17	-	-	68.2	-18.03	200	Vert

Vertical 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
17	10399.8	30.05	PK	37.4	-36.1	10.6	0.2	42.15	-	-	68.2	-26.05	200	Vert

High Channel



Trace Markers

Horizontal 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
4	2998.801	43.59	PK	32.7	-36.7	5	0	44.59	-	-	68.2	-23.61	200	Horz
1	5334.033	38.44	PK	34.3	-35.5	7.2	0.9	45.34	-	-	68.2	-22.86	100	Horz

Vertical 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
2	2128.036	49.35	PK	31.6	-37	4.2	0	48.15	-	-	68.2	-20.05	200	Vert
3	2998.801	46.15	PK	32.7	-36.7	5	0	47.15	-	-	68.2	-21.05	100	Vert
5	6000.3	38.57	PK	35.2	-35.6	7.7	0.1	45.97	-	-	68.2	-22.23	100	Vert
6	6986.507	41.13	PK	35.4	-35.6	8.5	0.1	49.53	-	-	68.2	-18.67	100	Vert

Vertical 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
7	10474.163	37.52	PK	37.5	-36	10.6	0.2	49.82	-	-	68.2	-24.18	200	Vert

8.2.3. 802.11n HT20 STBC MCS0 2TX MODE, 5.2 GHz BAND

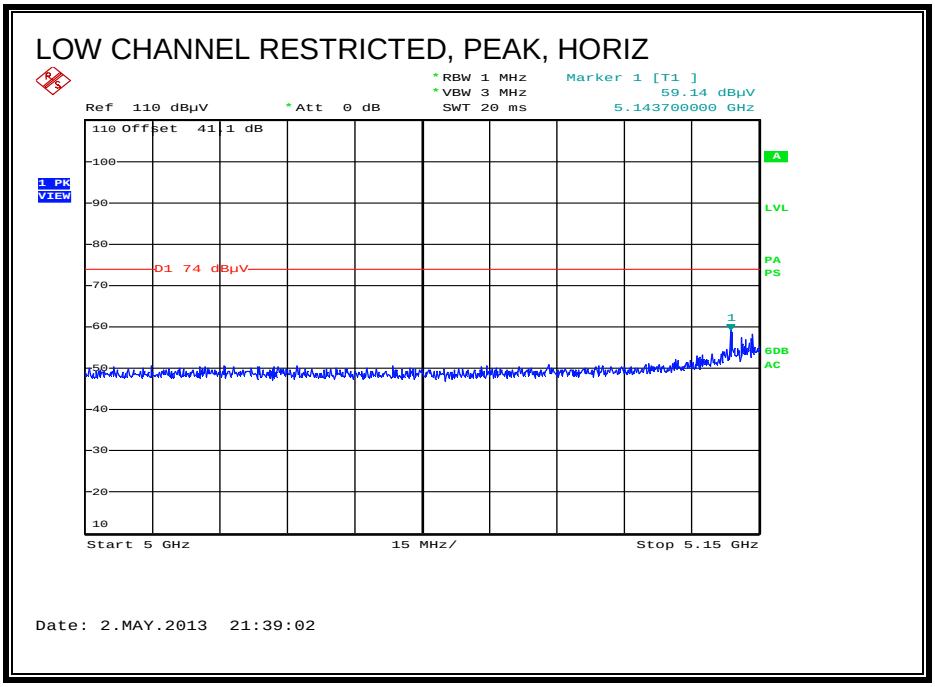
Covered by testing to 11n HT20 CCD MCS0 2TX

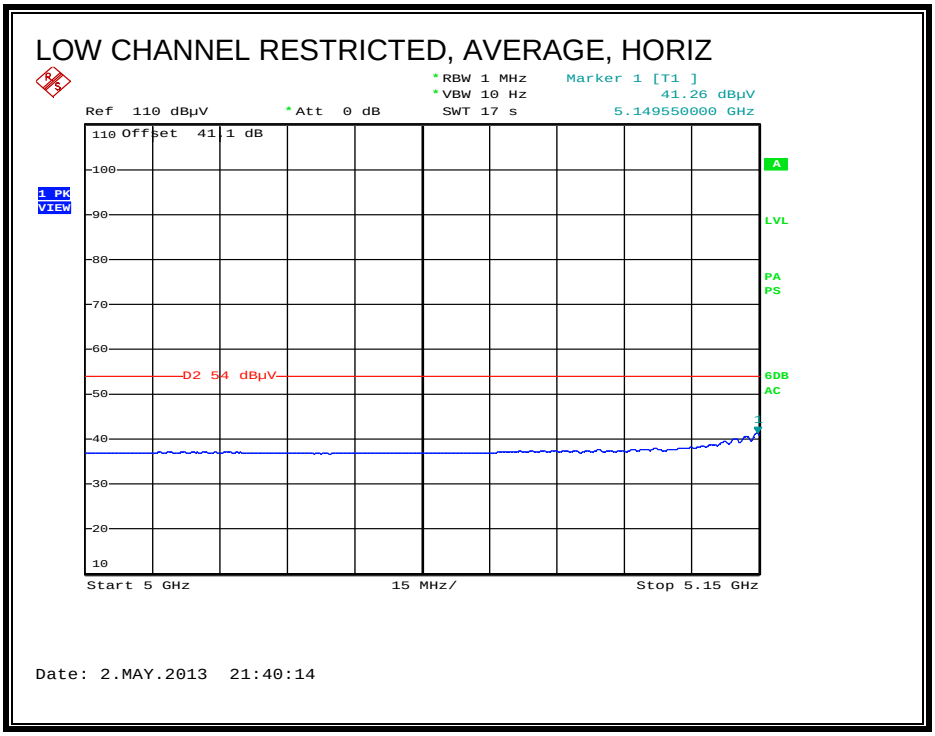
8.2.4. 802.11n HT40 CDD MCS0 1TX MODE, 5.2 GHz BAND

Covered by testing to 11n HT40 CCD MCS0 2TX

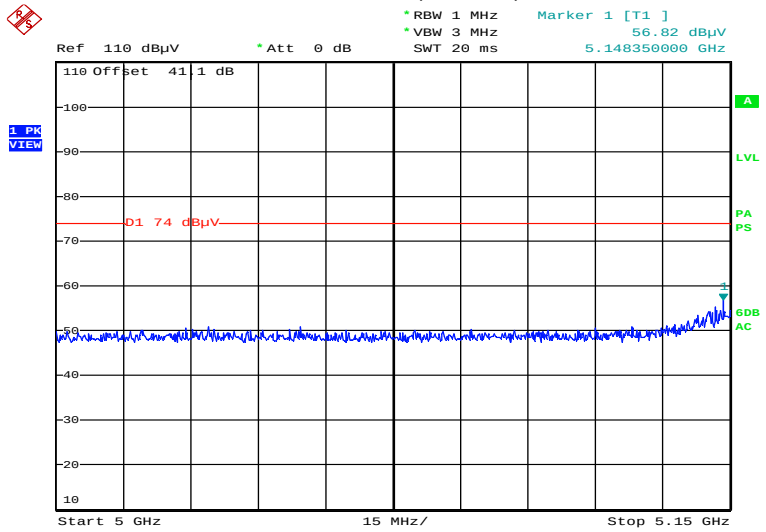
8.2.5. 802.11n HT40 CDD MCS0 2TX MODE, 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



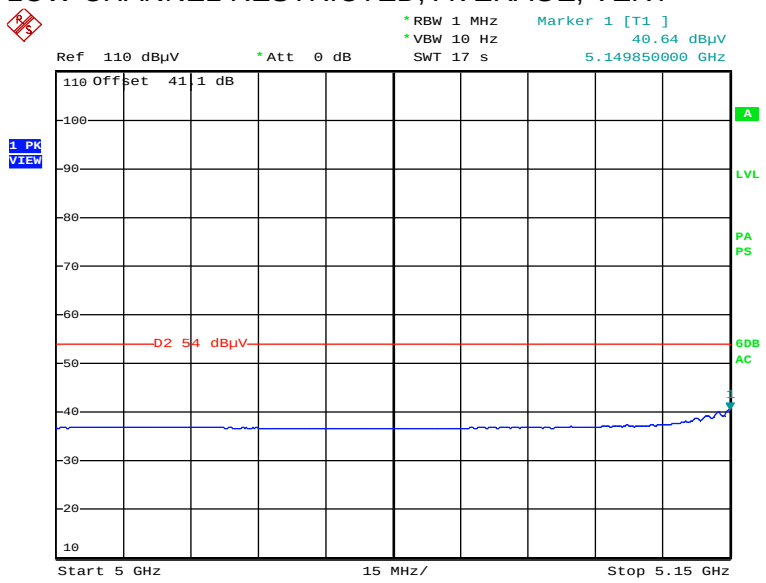


LOW CHANNEL RESTRICTED, PEAK, VERT



Date: 2.MAY.2013 21:34:33

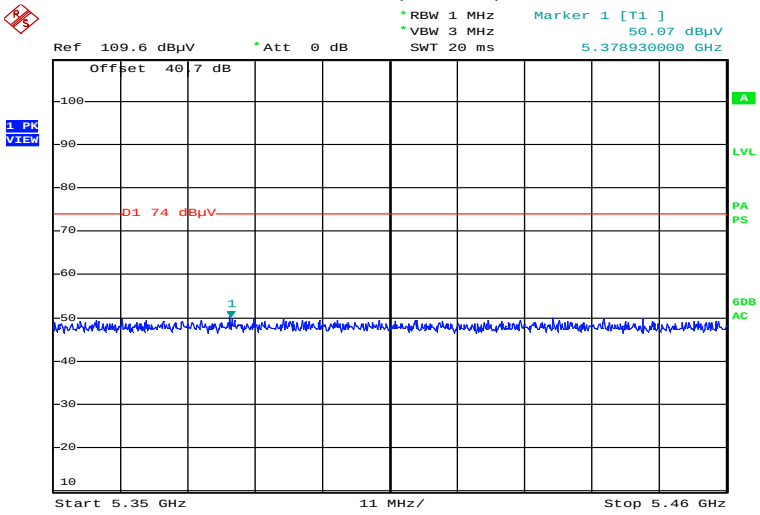
LOW CHANNEL RESTRICTED, AVERAGE, VERT



Date: 2.MAY.2013 21:35:29

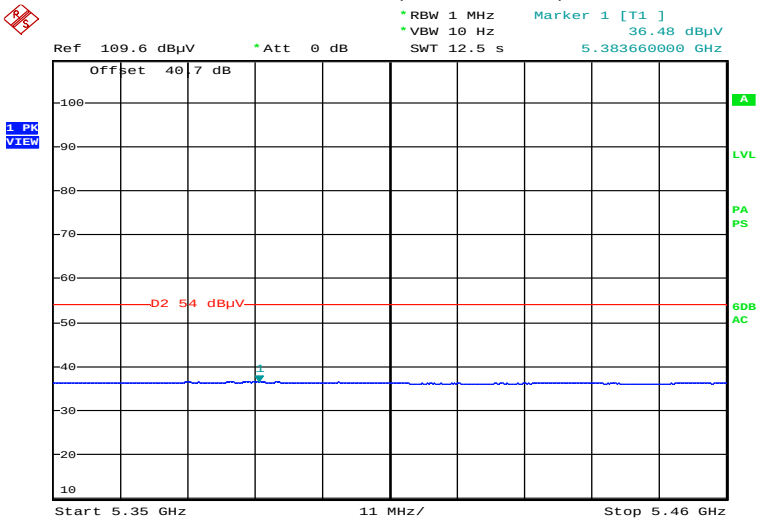
AUTHORIZED BANDEDGE (HIGH CHANNEL)

HIGH CHANNEL BANDEDGE, PEAK, HORIZ



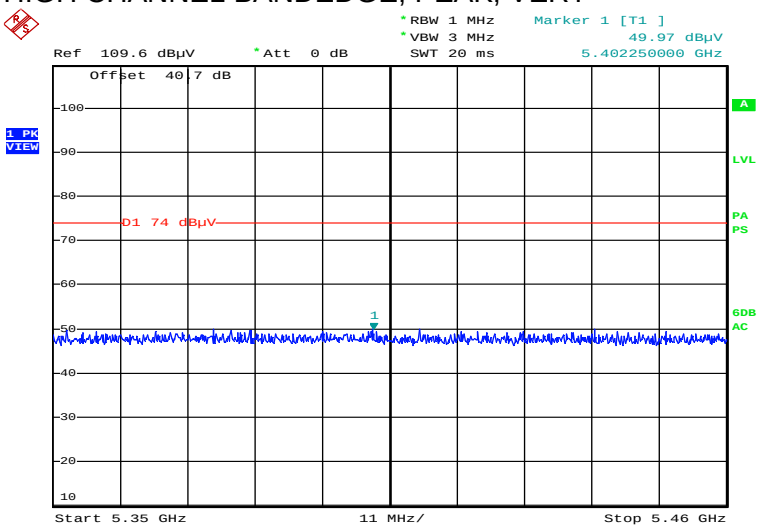
Date: 2.MAY.2013 23:05:26

HIGH CHANNEL BANDEDGE, AVERAGE, HORIZ



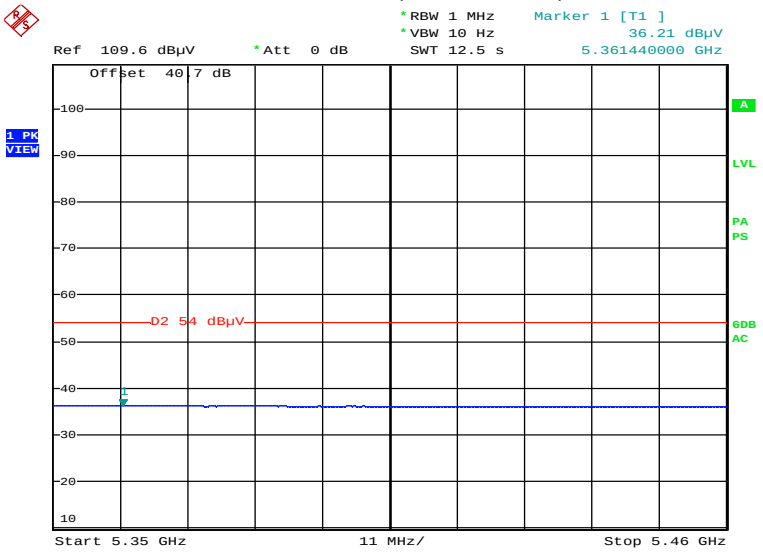
Date: 2.MAY.2013 23:06:20

HIGH CHANNEL BANDEDGE, PEAK, VERT



Date: 2.MAY.2013 23:01:22

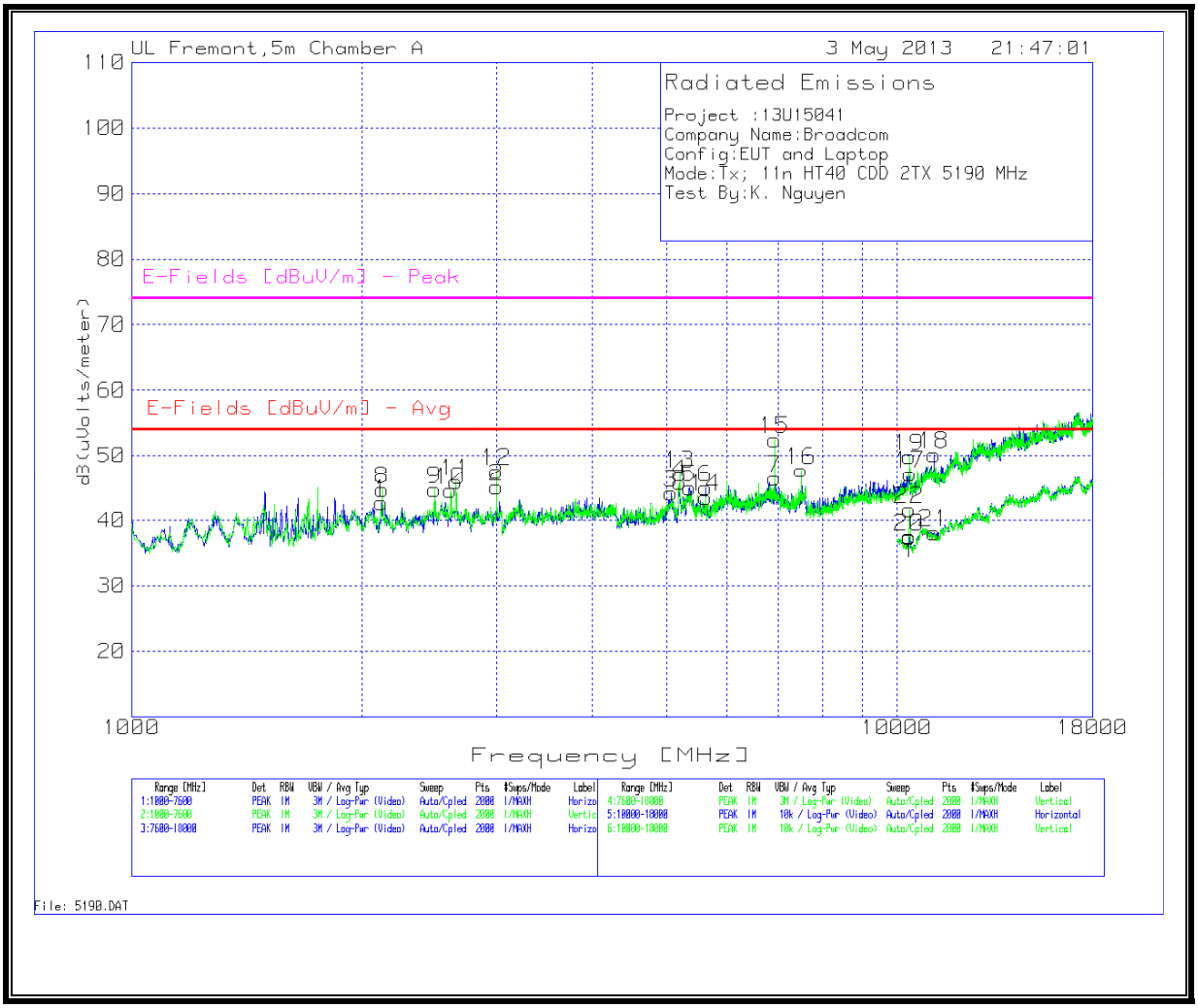
HIGH CHANNEL BANDEDGE, AVERAGE, VERT



Date: 2.MAY.2013 23:02:06

HARMONICS AND SPURIOUS EMISSIONS

Low Channel



Trace Markers

Horizontal 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	2121.439	44.05	PK	31.6	-37	4.1	0	42.75	-	-	68.2	-25.45	100	Horz
2	2998.801	44.1	PK	32.7	-36.7	5	0	45.1	-	-	68.2	-23.1	200	Horz
3	5073.463	38	PK	34	-35.6	6.9	0.9	44.2	54	-9.8	74	-29.8	100	Horz
4	5202.099	39.12	PK	34.2	-35.5	7.1	0.9	45.82	-	-	68.2	-22.38	100	Horz
5	5357.121	37.99	PK	34.4	-35.5	7.2	0.9	44.99	54	-9.01	74	-29.01	200	Horz
6	5624.288	38.58	PK	34.4	-35.5	7.4	0.2	45.08	-	-	68.2	-23.12	100	Horz
7	6920.54	38.21	PK	35.4	-35.6	8.4	0.1	46.51	-	-	68.2	-21.69	100	Horz

Vertical 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
8	2128.036	46.01	PK	31.6	-37	4.2	0	44.81	-	-	68.2	-23.39	100	Vert
9	2487.556	44.43	PK	32.5	-36.8	4.5	0.1	44.73	54	-9.27	74	-29.27	100	Vert
10	2612.894	43.87	PK	32.7	-36.8	4.7	0.1	44.57	-	-	68.2	-23.63	100	Vert
11	2655.772	45.36	PK	32.7	-36.8	4.7	0	45.96	54	-8.04	74	-28.04	200	Vert
12	2998.801	46.65	PK	32.7	-36.7	5	0	47.65	-	-	68.2	-20.55	100	Vert
13	5198.801	40.57	PK	34.2	-35.5	7	0.9	47.17	-	-	68.2	-21.03	200	Vert
14	5624.288	37.08	PK	34.4	-35.5	7.4	0.2	43.58	-	-	68.2	-24.62	100	Vert
15	6920.54	44.22	PK	35.4	-35.6	8.4	0.1	52.52	-	-	68.2	-15.68	100	Vert
16	7497.751	39.29	PK	35.4	-35.8	8.8	0.1	47.79	54	-6.21	74	-26.21	100	Vert

Horizontal 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
17	10391.004	34.93	PK	37.4	-36.1	10.6	0.3	47.13	-	-	68.2	-21.07	100	Horz
18	11181.009	36.32	PK	37.9	-35.6	11	0.5	50.12	54	-3.88	74	-23.88	200	Horz

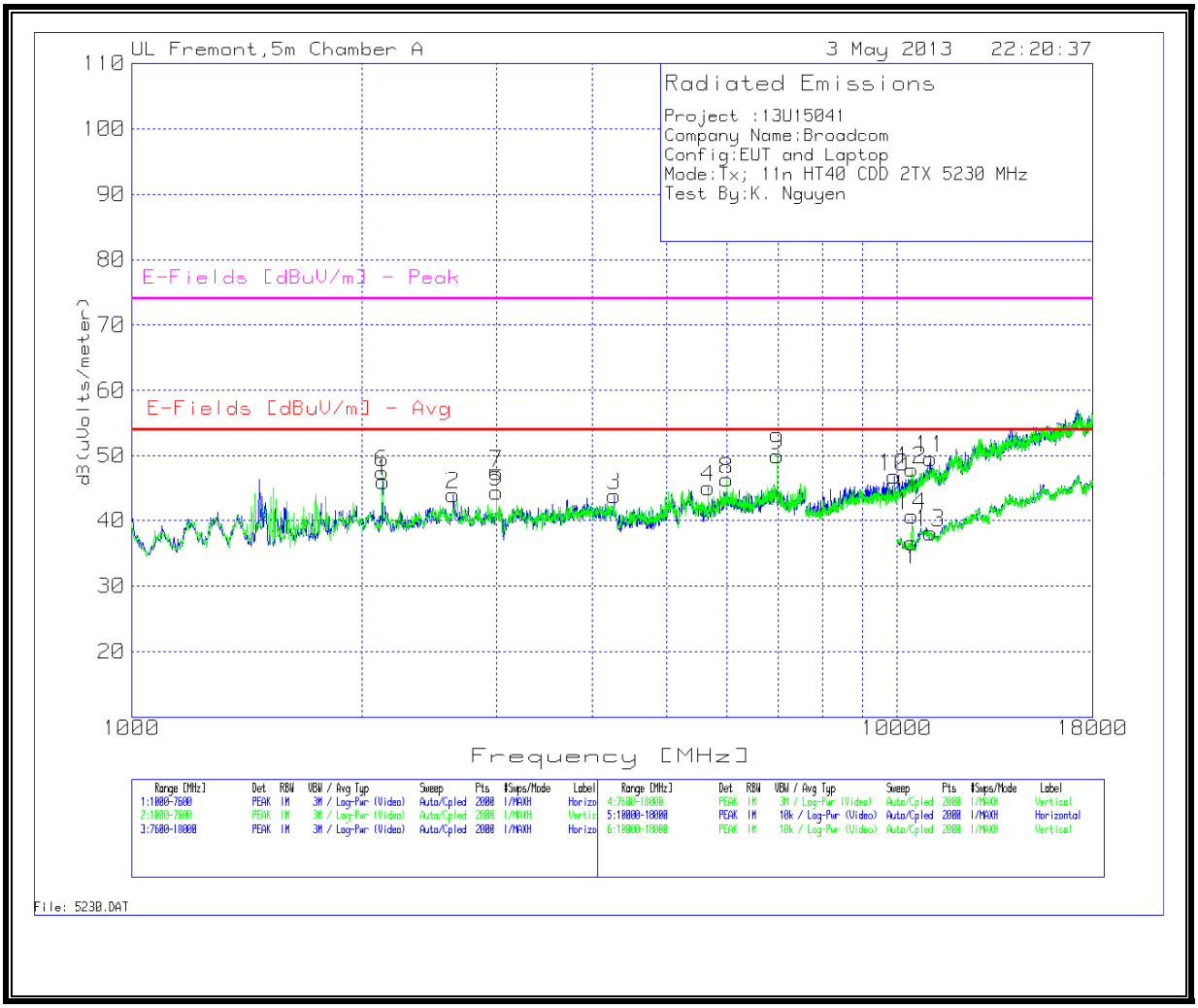
Vertical 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
19	10375.412	37.63	PK	37.4	-36.1	10.6	0.3	49.83	-	-	68.2	-18.37	200	Vert

Horizontal 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
21	11187.406	24.24	PK	37.9	-35.6	11	0.6	38.14	54	-15.86	-	-	200	Horz

High Channel



Trace Markers

Horizontal 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	2131.334	47.18	PK	31.6	-37	4.2	0	45.98	-	-	68.2	-22.22	100	Horz
2	2632.684	43.25	PK	32.7	-36.8	4.7	0.1	43.95	54	-10.05	74	-30.05	100	Horz
5	2998.801	43.34	PK	32.7	-36.7	5	0	44.34	-	-	68.2	-23.86	200	Horz
3	4275.262	39.68	PK	33.6	-35.9	6.3	0.1	43.78	-	-	68.2	-24.42	200	Horz
4	5667.166	38.38	PK	34.5	-35.5	7.4	0.2	44.98	-	-	68.2	-23.22	100	Horz

Vertical 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
6	2128.036	48.59	PK	31.6	-37	4.2	0	47.39	-	-	68.2	-20.81	200	Vert
7	2998.801	46.31	PK	32.7	-36.7	5	0	47.31	-	-	68.2	-20.89	100	Vert
8	6000.3	38.9	PK	35.2	-35.6	7.7	0.1	46.3	-	-	68.2	-21.9	100	Vert
9	6973.313	41.65	PK	35.4	-35.6	8.5	0.1	50.05	-	-	68.2	-18.15	200	Vert

Horizontal 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
10	9912.844	35.63	PK	37	-36.3	10.3	0.2	46.83	-	-	68.2	-27.17	100	Horz
11	11045.877	36.2	PK	37.8	-35.6	10.9	0.3	49.6	54	-4.4	74	-24.4	100	Horz

Vertical 7600 - 18000MHz

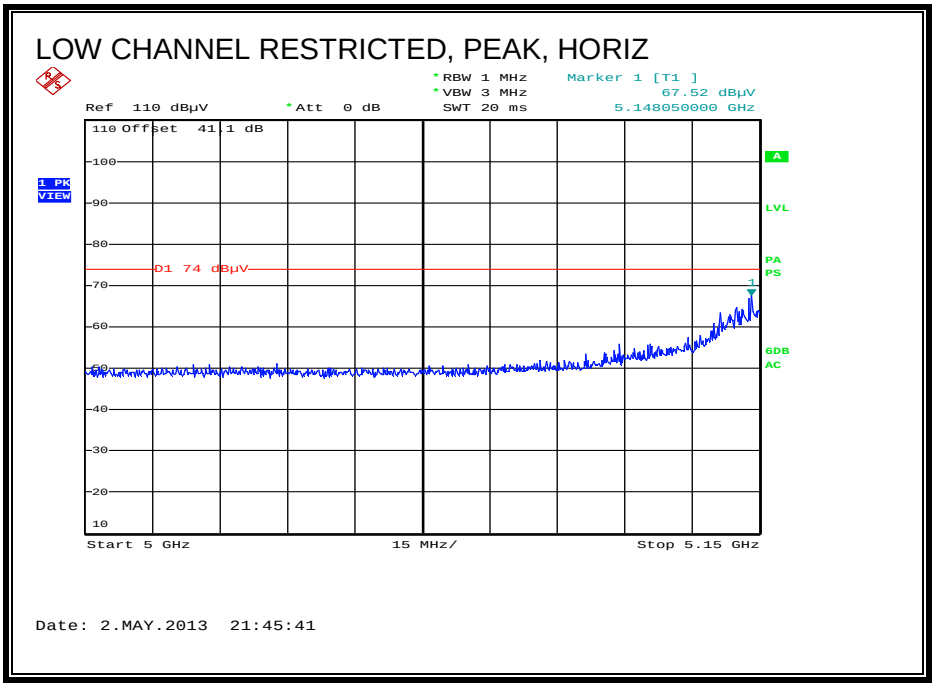
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
12	10453.373	35.42	PK	37.5	-36	10.6	0.3	47.82	-	-	68.2	-20.38	100	Vert

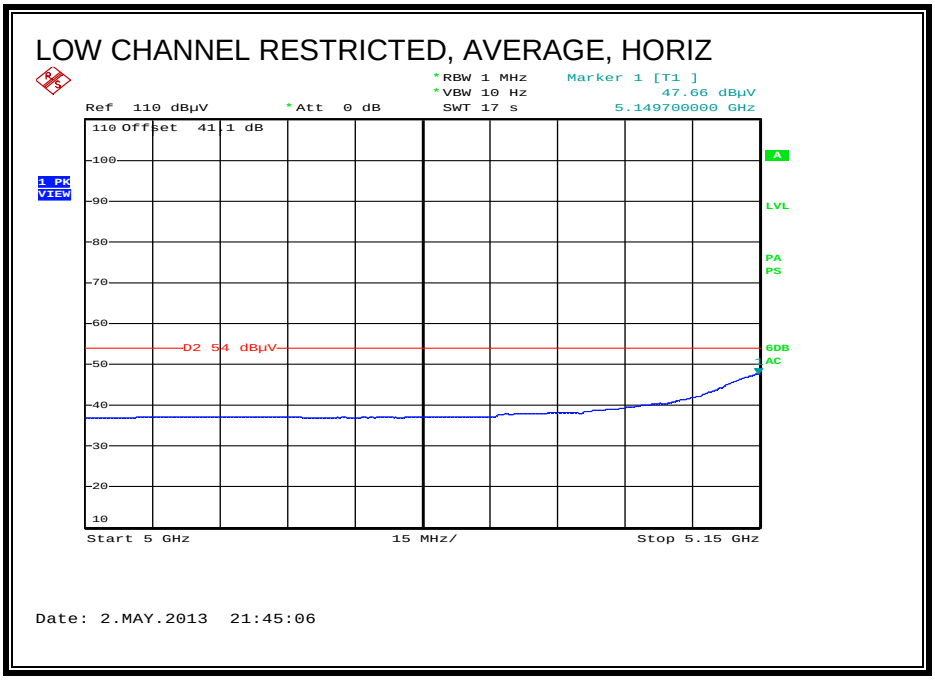
Horizontal 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
13	11067.466	24.65	PK	37.8	-35.6	10.9	0.4	38.15	54	-15.85	74	-35.85	100	Horz

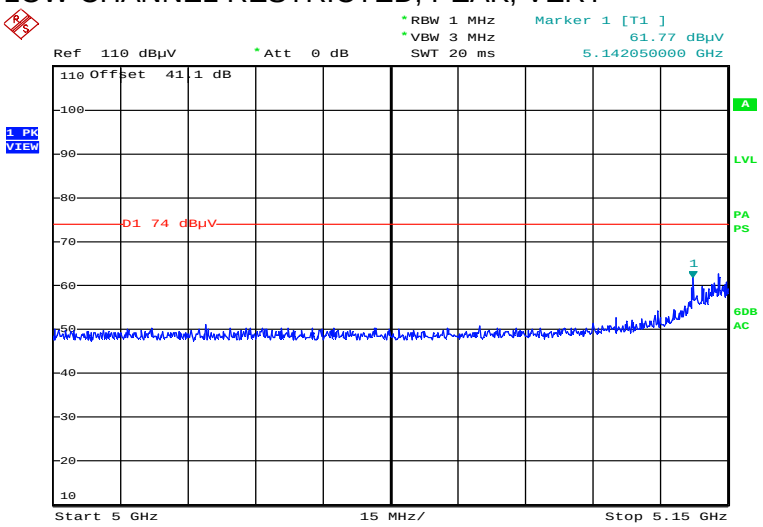
8.2.6. 802.11n HT40 STBC MCS0 2TX MODE, 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)





LOW CHANNEL RESTRICTED, PEAK, VERT



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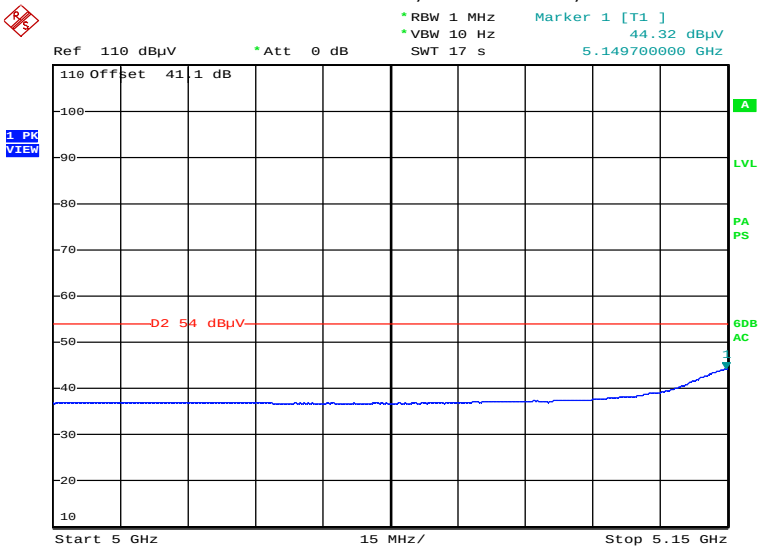
LOW CHANNEL RESTRICTED, AVERAGE, VERT



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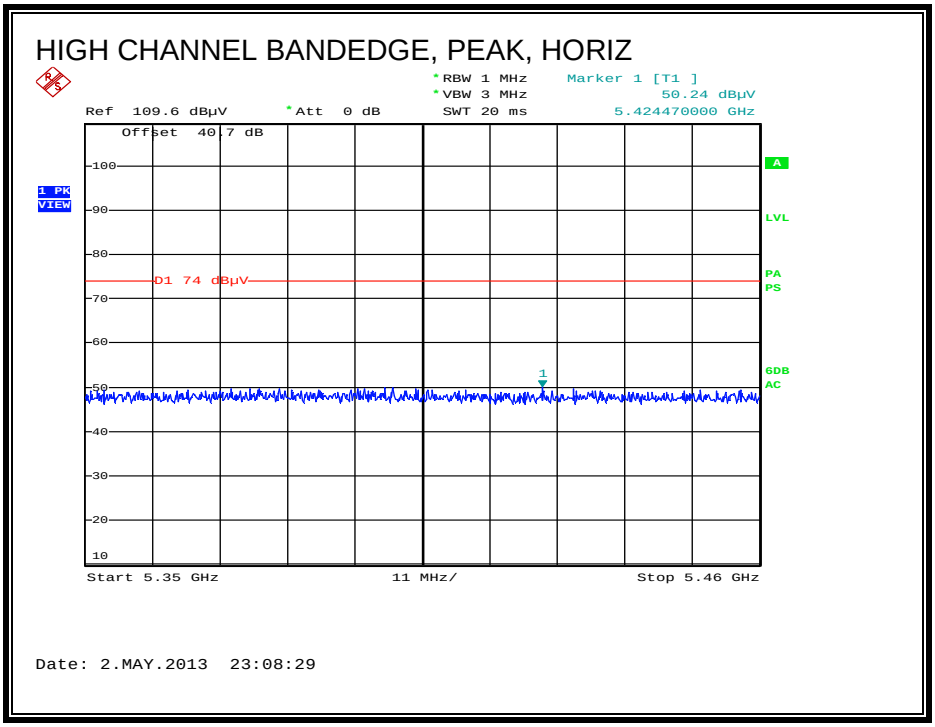
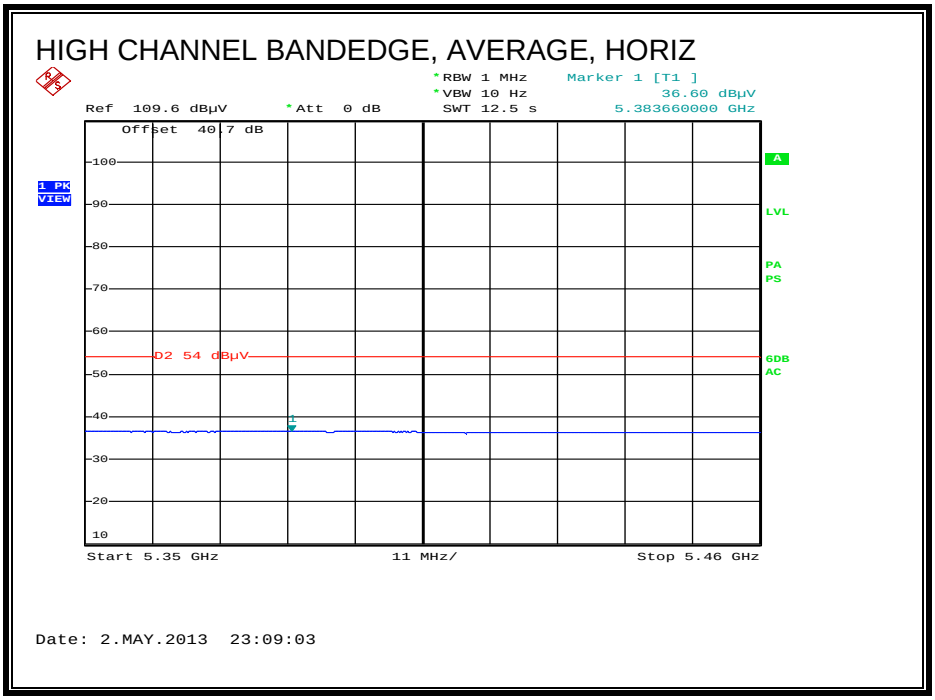
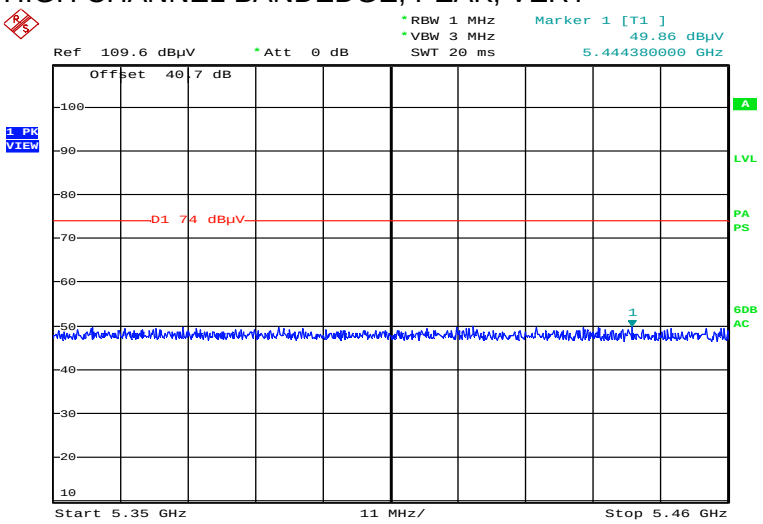
AUTHORIZED BANDEDGE (HIGH CHANNEL)





HIGH CHANNEL BANDEDGE, PEAK, VERT



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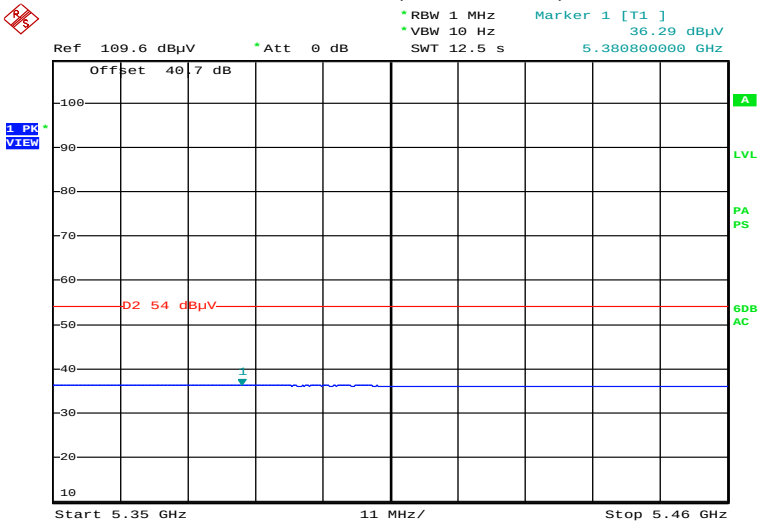
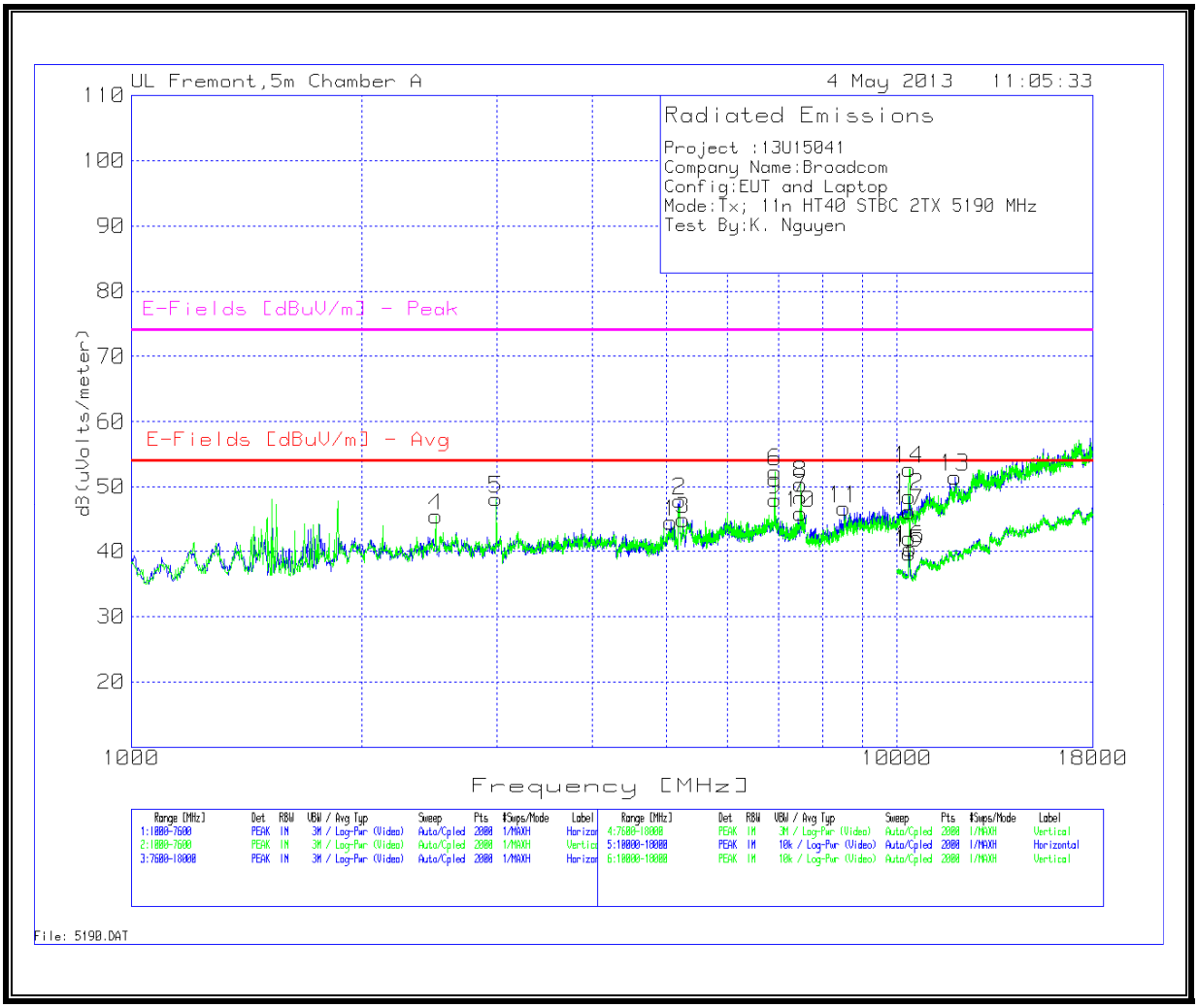
HIGH CHANNEL BANDEDGE, AVERAGE, VERT



Date: 2.MAY.2013 23:10:33

HARMONICS AND SPURIOUS EMISSIONS

Low Channel



Trace Markers

Horizontal 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	5070.165	38.32	PK	34	-35.6	6.9	0.9	44.52	54	-9.48	74	-29.48	200	Horz
2	5198.801	41.26	PK	34.2	-35.5	7	0.9	47.86	-	-	68.2	-20.34	100	Horz
3	5251.574	38.12	PK	34.3	-35.5	7.1	0.9	44.92	-	-	68.2	-23.28	200	Horz
9	6920.54	39.72	PK	35.4	-35.6	8.4	0.1	48.02	-	-	68.2	-20.18	100	Horz
10	7484.558	37.39	PK	35.4	-35.8	8.8	0	45.79	54	-8.21	74	-28.21	200	Horz

Vertical 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
4	2497.451	44.98	PK	32.6	-36.8	4.5	0.1	45.38	54	-8.62	74	-28.62	100	Vert
5	2998.801	47.16	PK	32.7	-36.7	5	0	48.16	-	-	68.2	-20.04	200	Vert
6	6920.54	44.05	PK	35.4	-35.6	8.4	0.1	52.35	-	-	68.2	-15.85	100	Vert
7	7474.663	40.04	PK	35.4	-35.8	8.8	0	48.44	54	-5.56	74	-25.56	100	Vert
8	7491.154	41.89	PK	35.4	-35.8	8.8	0.1	50.39	54	-3.61	74	-23.61	100	Vert

Horizontal 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
11	8525.137	37.12	PK	35.7	-36	9.5	0.3	46.62	-	-	68.2	-21.58	100	Horz
12	10380.61	36.29	PK	37.4	-36.1	10.6	0.3	48.49	-	-	68.2	-19.71	100	Horz
13	11913.843	36.84	PK	38.7	-35.7	11.4	0.3	51.54	54	-2.46	74	-22.46	200	Horz

Vertical 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
14	10380.61	40.57	PK	37.4	-36.1	10.6	0.3	52.77	-	-	68.2	-15.43	200	Vert

Horizontal 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
15	10379.81	27.56	PK	37.4	-36.1	10.6	0.3	39.76	-	-	68.2	-28.44	100	Horz
16	10399.8	28.31	PK	37.4	-36.1	10.6	0.2	40.41	-	-	68.2	-27.79	100	Horz

Vertical 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
17	10379.81	33.89	PK	37.4	-36.1	10.6	0.3	46.09	-	-	68.2	-22.11	200	Vert

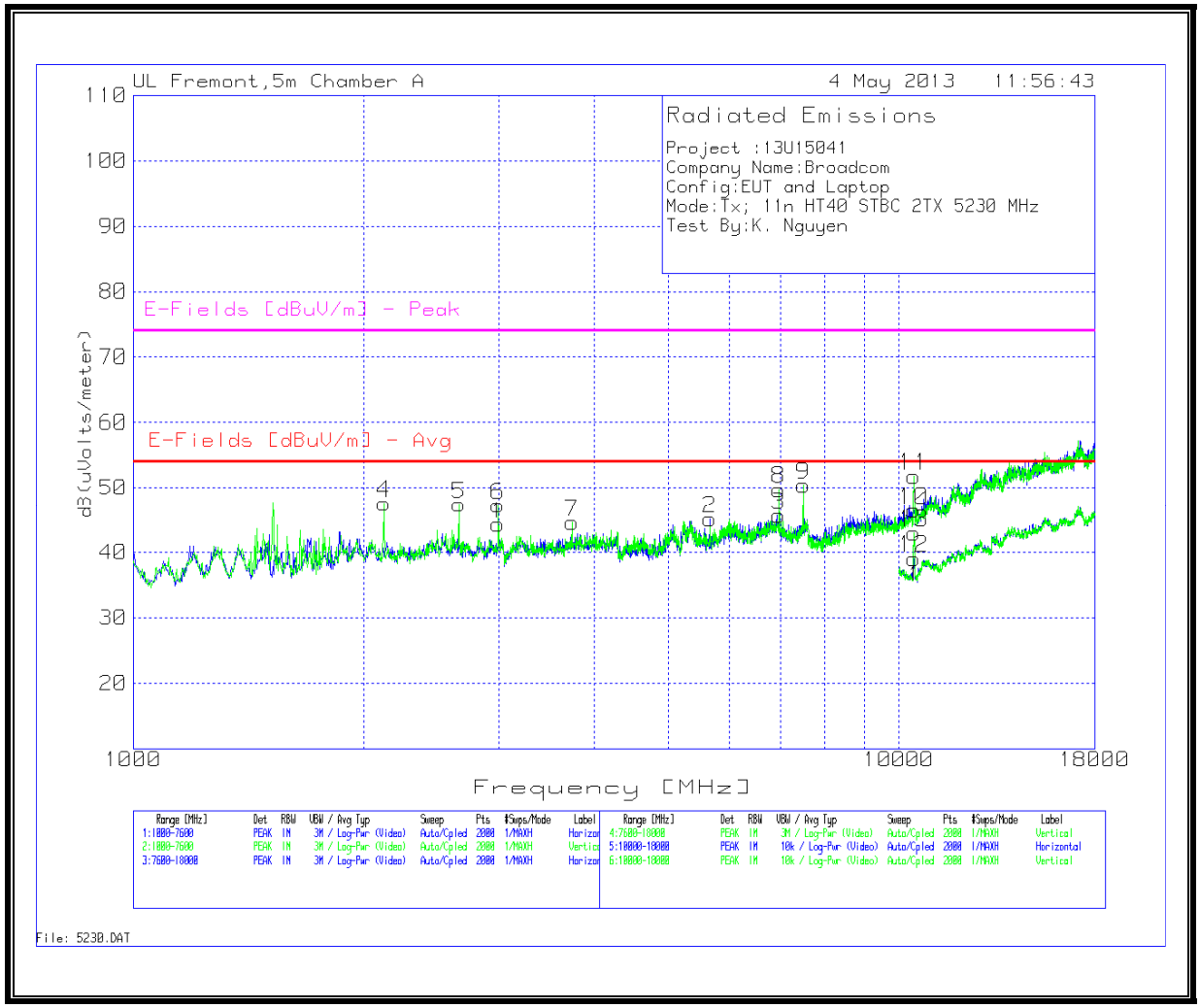
Radiated Emissions

Vertical 1000 - 7600MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7499.95	26.28	VB1	35.4	-35.8	8.8	0.1	34.78	54	-19.22	74	-39.22	29	103	Vert
7500	26.28	VB1	35.4	-35.8	8.8	0.1	34.78	54	-19.22	74	-39.22	29	103	Vert

VB1 - KDB 789033 v01r02 Method: VB Alternative Reduced Video

High Channel



Trace Markers

Horizontal 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	2998.801	43.28	PK	32.7	-36.7	5	0	44.28	-	-	68.2	-23.92	200	Horz
2	5667.166	38.51	PK	34.5	-35.5	7.4	0.2	45.11	-	-	68.2	-23.09	103	Horz
3	6973.313	37.32	PK	35.4	-35.6	8.5	0.1	45.72	-	-	68.2	-22.48	103	Horz

Vertical 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
4	2124.738	48.81	PK	31.6	-37	4.2	0	47.61	-	-	68.2	-20.59	100	Vert
5	2662.369	46.79	PK	32.7	-36.8	4.7	0	47.39	54	-6.61	74	-26.61	200	Vert
6	2998.801	46.26	PK	32.7	-36.7	5	0	47.26	-	-	68.2	-20.94	200	Vert
7	3740.93	41.6	PK	33.4	-36.2	5.8	0	44.6	54	-9.4	74	-29.4	100	Vert
8	6973.313	41.33	PK	35.4	-35.6	8.5	0.1	49.73	-	-	68.2	-18.47	100	Vert
9	7494.453	41.87	PK	35.4	-35.8	8.8	0.1	50.37	54	-3.63	74	-23.63	100	Vert

Horizontal 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
10	10448.176	34.25	PK	37.4	-36	10.6	0.3	46.55	-	-	68.2	-21.65	100	Horz

Vertical 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
11	10453.373	39.39	PK	37.5	-36	10.6	0.3	51.79	-	-	68.2	-16.41	200	Vert

Radiated Emissions

Horizontal 1000 - 7600MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7496.16	26.06	VB1	35.4	-35.8	8.8	0.1	34.56	54	-19.44	74	-39.44	1	100	Vert

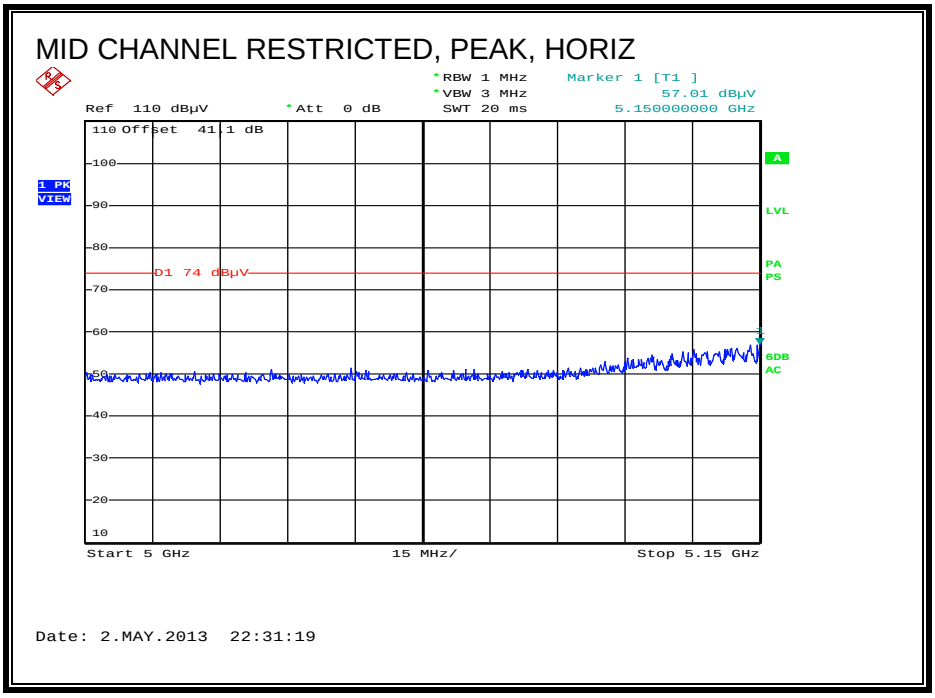
VB1 - KDB 789033 v01r02 Method: VB Alternative Reduced Video

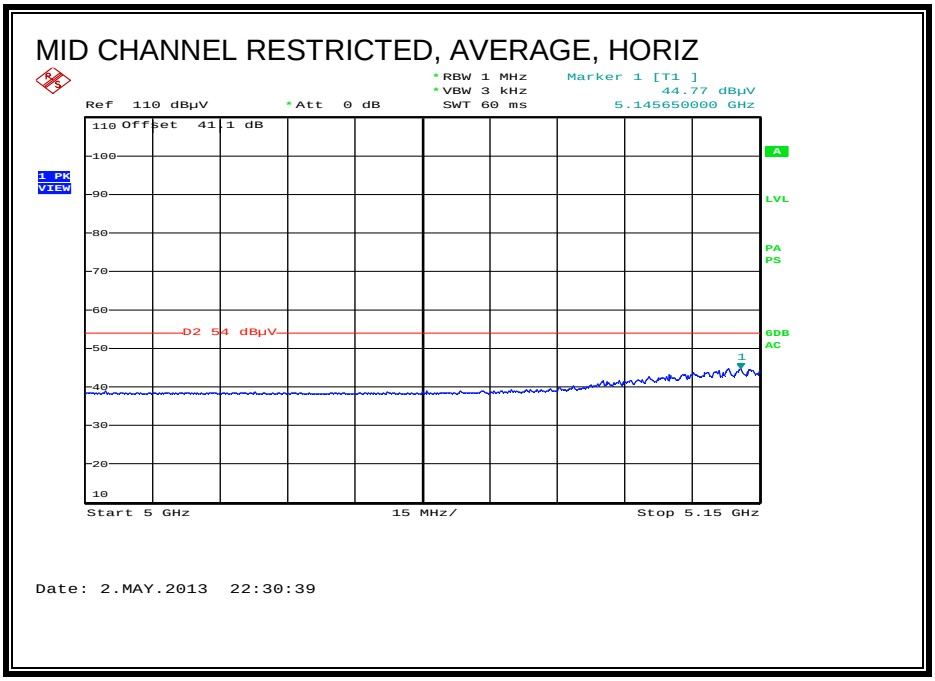
8.2.7. 802.11n HT80 CDD MCS0 1TX MODE, 5.2 GHz BAND

Covered by testing to 11n HT80 CCD MCS0 2TX

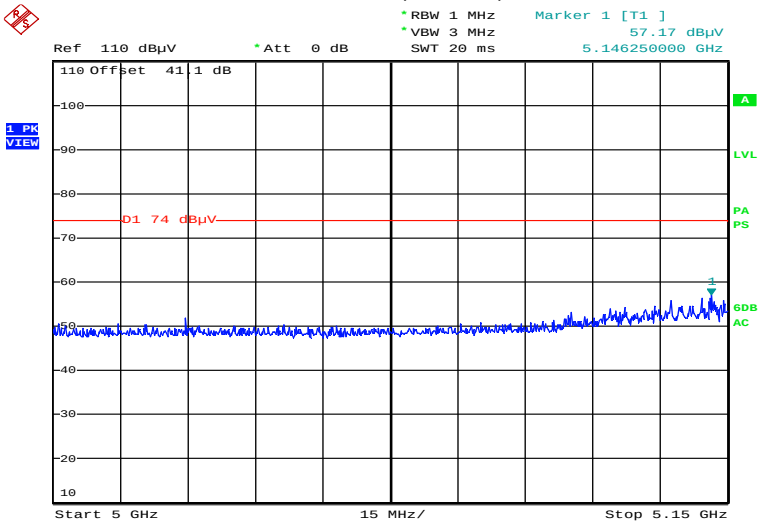
8.2.8. 802.11n HT80 CDD MCS0 2TX MODE, 5.2 GHz BAND

RESTRICTED LOW BANDEDGE (MID CHANNEL)





MID CHANNEL RESTRICTED, PEAK, VERT



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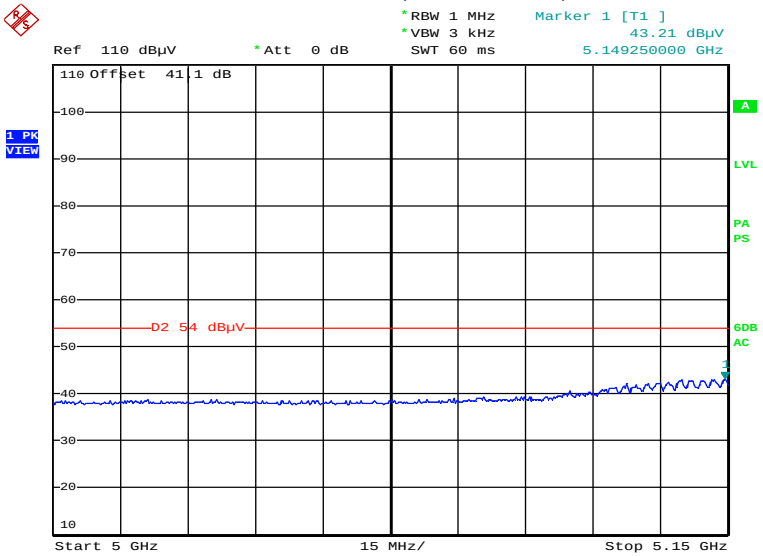
MID CHANNEL RESTRICTED, AVERAGE, VERT



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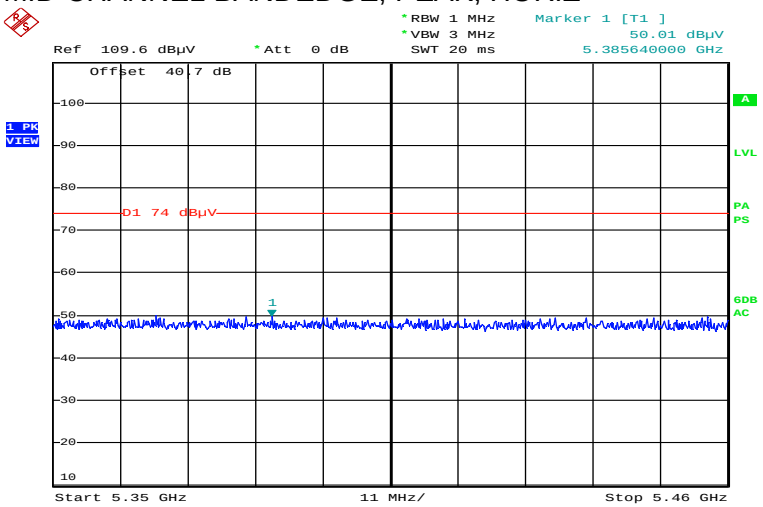
AUTHORIZED HIGH BANDEDGE (MID CHANNEL)

MID CHANNEL BANDEDGE, PEAK, HORIZ



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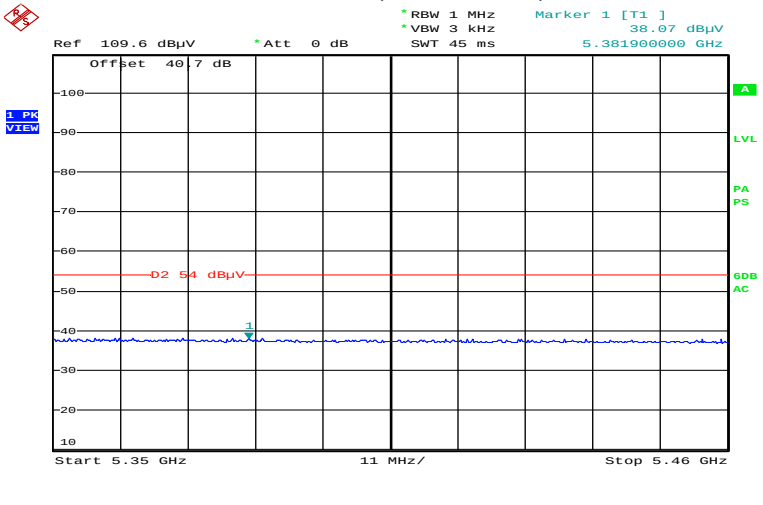
MID CHANNEL BANDEDGE, AVERAGE, HORIZ



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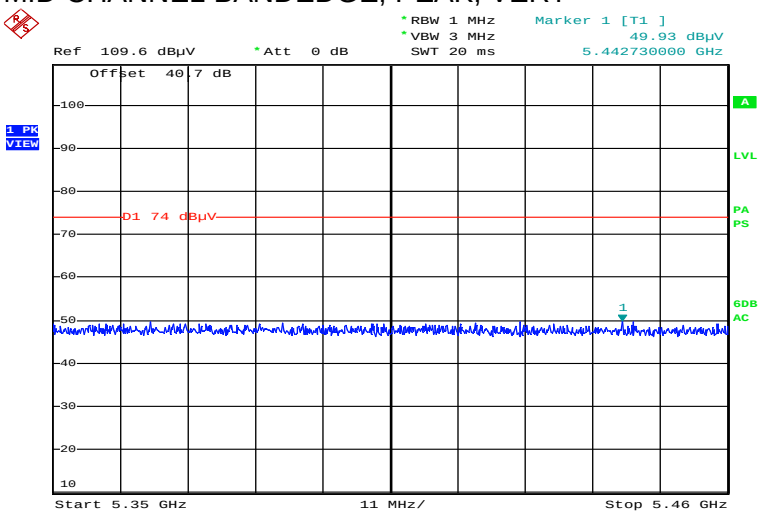
MID CHANNEL BANDEDGE, PEAK, VERT



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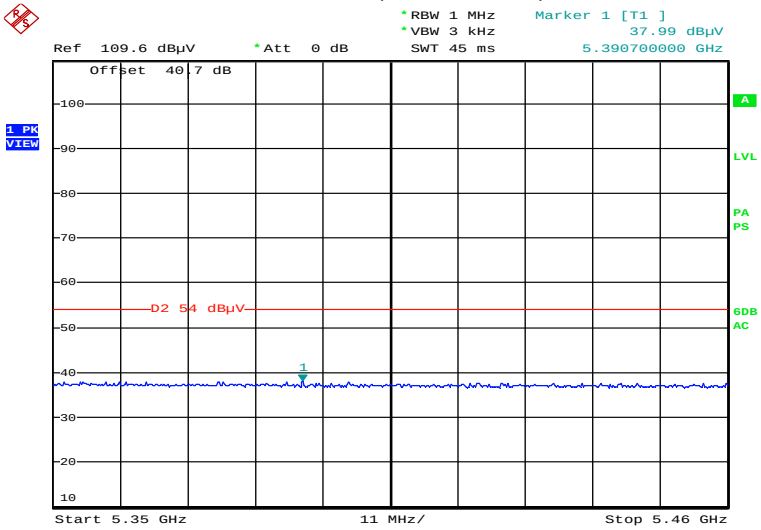
MID CHANNEL BANDEDGE, AVERAGE, VERT



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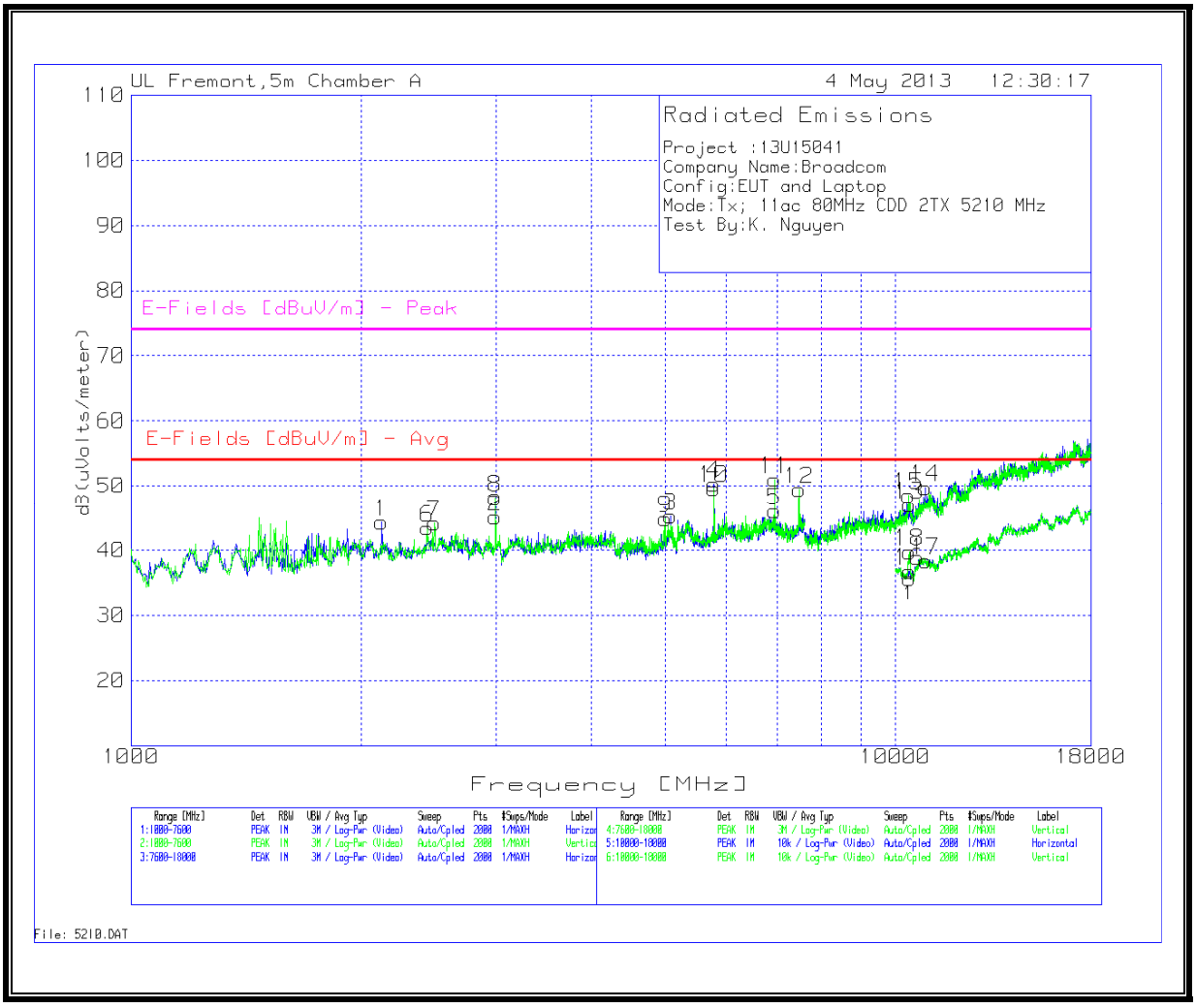
HARMONICS AND SPURIOUS EMISSIONS

Mid Channel



Trace Markers

Horizontal 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	2128.036	45.53	PK	31.6	-37	4.2	0	44.33	-	-	68.2	-23.87	200	Horz
2	2998.801	44.16	PK	32.7	-36.7	5	0	45.16	-	-	68.2	-23.04	200	Horz
3	5080.06	39.04	PK	34	-35.6	7	0.9	45.34	54	-8.66	74	-28.66	100	Horz
4	5789.205	43.45	PK	34.8	-35.5	7.5	0.1	50.35	-	-	68.2	-17.85	100	Horz
5	6946.927	37.96	PK	35.4	-35.6	8.4	0	46.16	-	-	68.2	-22.04	100	Horz

Vertical 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
6	2441.379	43.46	PK	32.3	-36.9	4.5	0.1	43.46	-	-	68.2	-24.74	200	Vert
7	2490.855	43.8	PK	32.6	-36.8	4.5	0.1	44.2	54	-9.8	74	-29.8	100	Vert
8	2998.801	47.13	PK	32.7	-36.7	5	0	48.13	-	-	68.2	-20.07	100	Vert
9	4994.303	39.06	PK	33.9	-35.6	6.9	0.6	44.86	54	-9.14	74	-29.14	100	Vert
10	5789.205	42.73	PK	34.8	-35.5	7.5	0.1	49.63	-	-	68.2	-18.57	100	Vert
11	6946.927	42.84	PK	35.4	-35.6	8.4	0	51.04	-	-	68.2	-17.16	100	Vert
12	7477.961	41.02	PK	35.4	-35.8	8.8	0	49.42	54	-4.58	74	-24.58	100	Vert

Horizontal 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
13	10416.992	34.95	PK	37.4	-36	10.6	0.1	47.05	-	-	68.2	-21.15	100	Horz
14	10931.534	36.35	PK	37.9	-35.6	10.9	0.2	49.75	54	-4.25	74	-24.25	200	Horz

Vertical 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
15	10411.794	36.38	PK	37.4	-36	10.6	0.2	48.58	-	-	68.2	-19.62	100	Vert

Horizontal 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
17	10951.524	24.9	PK	37.8	-35.6	10.9	0.4	38.4	54	-15.6	74	-35.6	200	Horz

Radiated Emissions

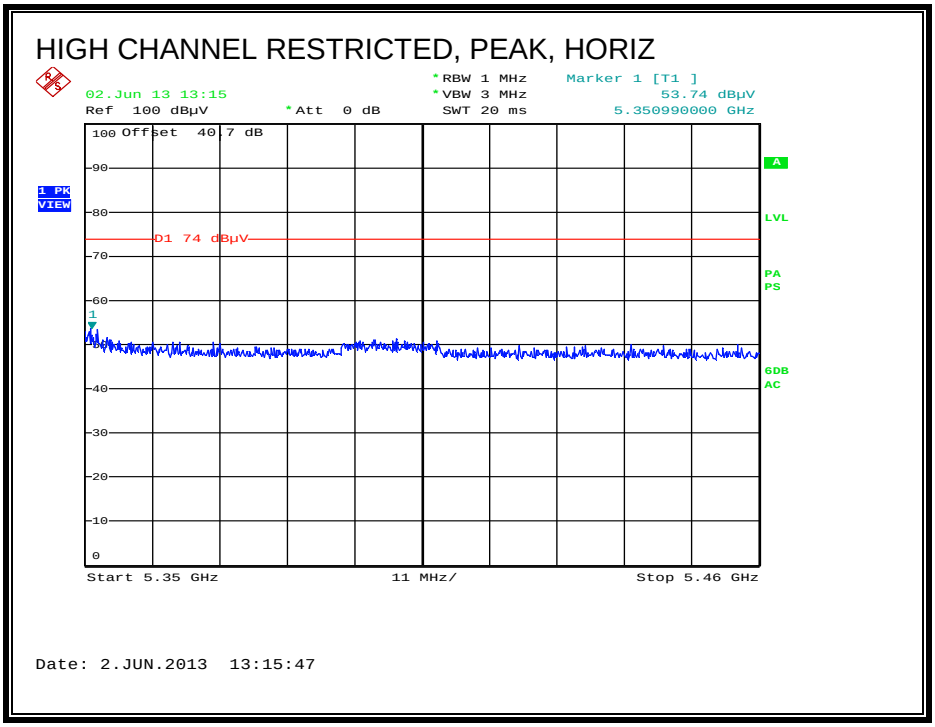
Horizontal 1000 - 7600MHz

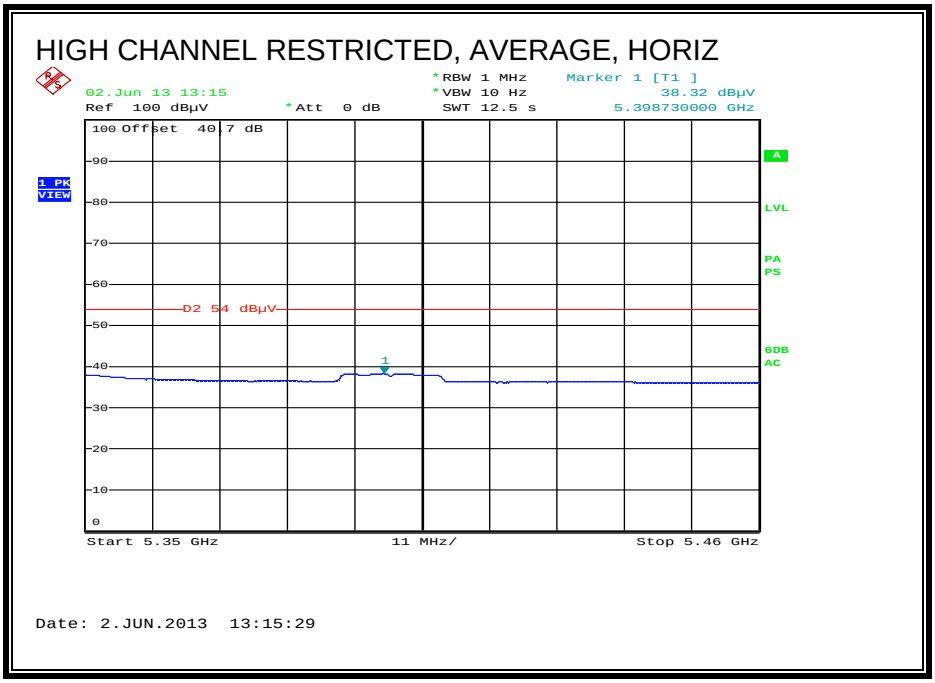
Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB (uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7469.88	26.02	VB1	35.4	-35.8	8.8	0	34.42	54	-19.58	-	-	1	100	Vert

VB1 - KDB 789033 v01r02 Method: VB Alternative Reduced Video

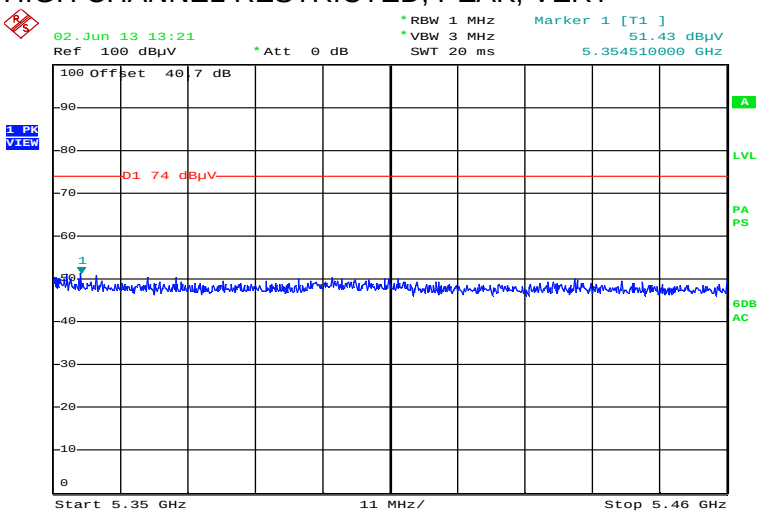
8.2.9. 802.11a LEGACY 1TX MODE, 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)





HIGH CHANNEL RESTRICTED, PEAK, VERT



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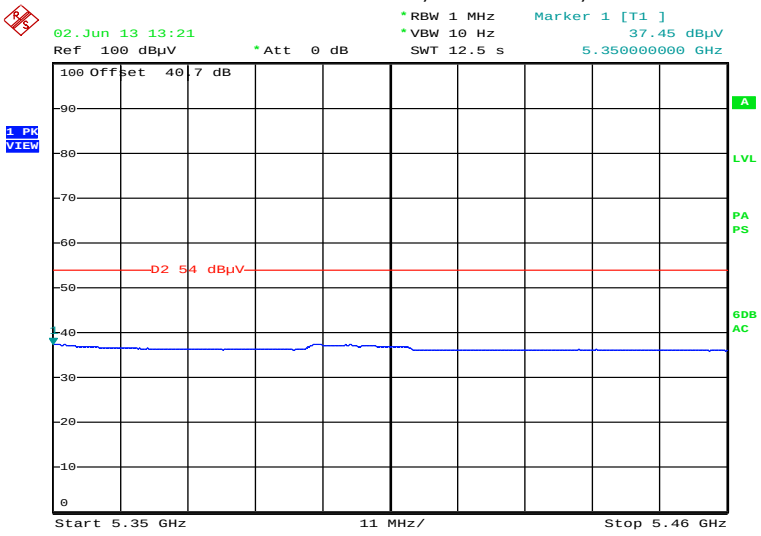
HIGH CHANNEL RESTRICTED, AVERAGE, VERT



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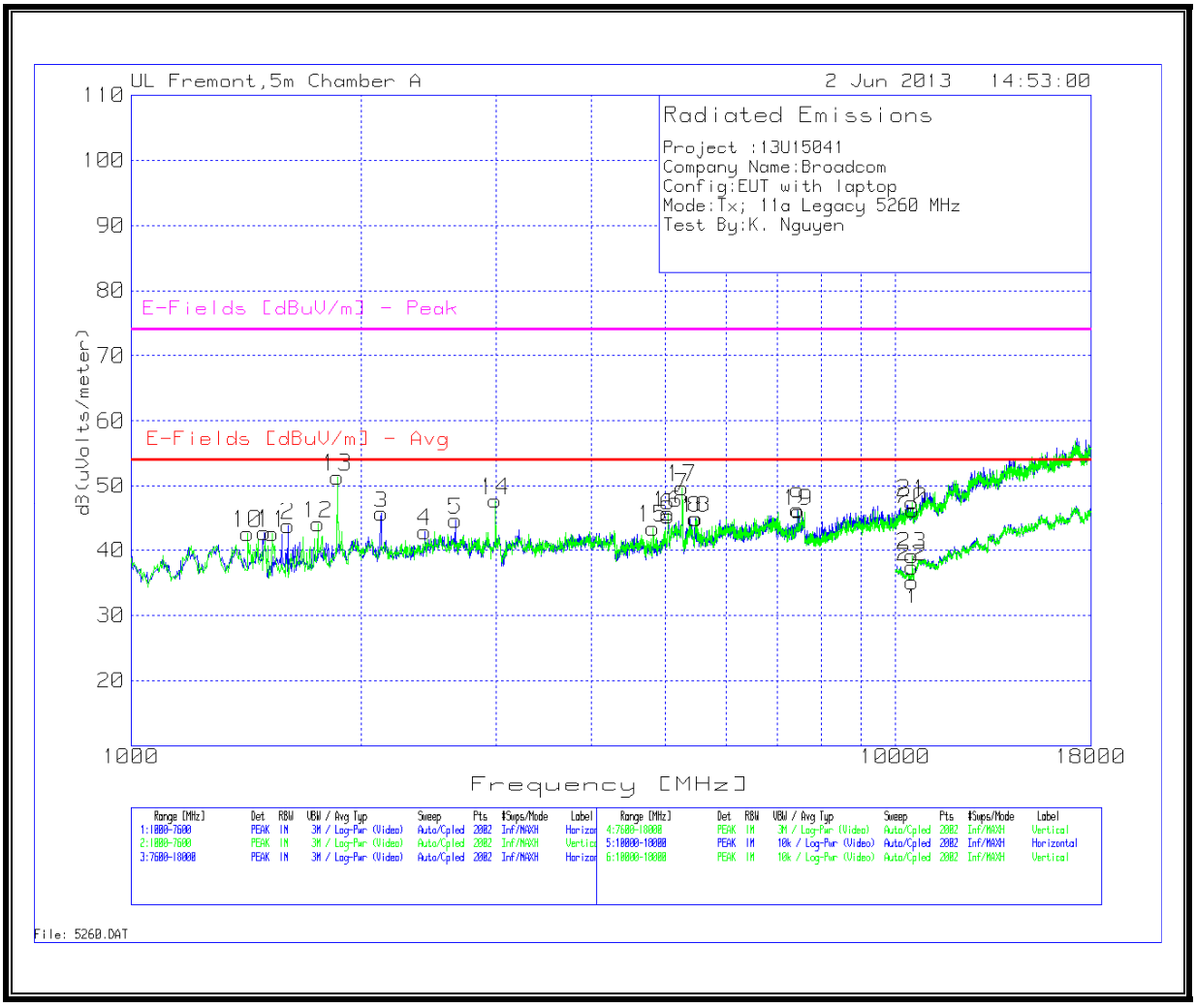
HARMONICS AND SPURIOUS EMISSIONS

Low Channel



Trace Markers

Horizontal 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	1494.753	48.12	PK	28.9	-37.8	3.5	0	42.72	-	-	68.2	-25.48	100	Horz
2	1603.598	49.46	PK	28.3	-37.6	3.6	0	43.76	-	-	68.2	-24.44	100	Horz
3	2124.738	46.83	PK	31.6	-37	4.2	0	45.63	-	-	68.2	-22.57	100	Horz
4	2424.888	42.9	PK	32.2	-36.9	4.5	0.1	42.8	-	-	68.2	-25.4	200	Horz
5	2655.772	44.07	PK	32.7	-36.8	4.7	0	44.67	53.97	-9.3	74	-29.33	200	Horz
6	5037.181	39.23	PK	33.9	-35.6	6.9	0.9	45.33	53.97	-8.64	74	-28.67	200	Horz
7	5254.873	41.56	PK	34.3	-35.5	7.1	0.9	48.36	-	-	68.2	-19.84	200	Horz
8	5472.564	37.75	PK	34.4	-35.5	7.3	0.9	44.85	-	-	68.2	-23.35	100	Horz
9	7451.574	37.86	PK	35.4	-35.8	8.8	0	46.26	53.97	-7.71	74	-27.74	200	Horz

Vertical 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
10	1422.189	47.51	PK	29.6	-37.9	3.4	0	42.61	53.97	-11.36	74	-31.39	100	Vert
11	1531.034	48.14	PK	28.7	-37.7	3.5	0	42.64	-	-	68.2	-25.56	100	Vert
12	1755.322	47.72	PK	30	-37.4	3.8	0	44.12	-	-	68.2	-24.08	100	Vert
13	1860.87	53.59	PK	31.2	-37.3	3.9	0	51.39	-	-	68.2	-16.81	200	Vert
14	2998.801	46.76	PK	32.7	-36.7	5	0	47.76	-	-	68.2	-20.44	100	Vert
15	4819.49	38.42	PK	33.9	-35.7	6.7	0.1	43.42	53.97	-10.55	74	-30.58	100	Vert
16	5040.48	39.55	PK	33.9	-35.6	6.9	0.9	45.65	53.97	-8.32	74	-28.35	100	Vert
17	5254.873	43	PK	34.3	-35.5	7.1	0.9	49.8	-	-	68.2	-18.4	200	Vert
18	5485.757	37.84	PK	34.4	-35.5	7.3	0.9	44.94	-	-	68.2	-23.26	100	Vert
19	7464.768	37.63	PK	35.4	-35.8	8.8	0	46.03	53.97	-7.94	74	-27.97	100	Vert

Horizontal 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
20	10526.137	33.61	PK	37.6	-35.9	10.7	0.2	46.21	53.97	-7.76	74	-27.79	200	Horz

Vertical 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
21	10515.742	35.06	PK	37.5	-36	10.6	0.3	47.46	53.97	-6.51	74	-26.54	200	Vert

Horizontal 10000 - 18000MHz

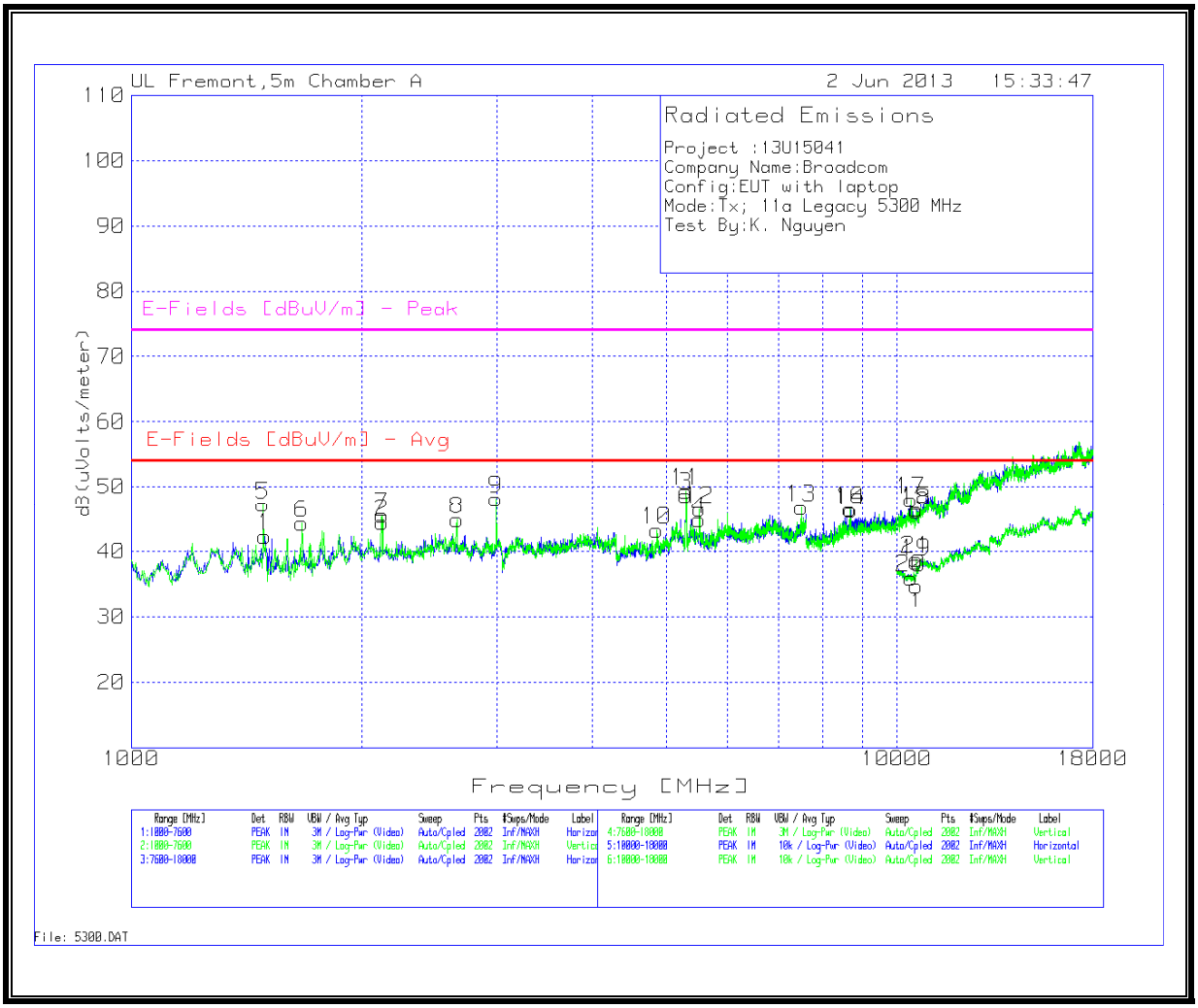
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
22	10519.74	24.88	PK	37.6	-36	10.6	0.3	37.38	53.97	-16.59	74	-36.62	100	Horz

Vertical 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
23	10519.74	26.7	PK	37.6	-36	10.6	0.3	39.2	53.97	-14.77	74	-34.8	100	Vert

PK - Peak detector

Mid Channel



Trace Markers

Horizontal 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	1494.753	47.71	PK	28.9	-37.8	3.5	0	42.31	-	-	68.2	-25.89	100	Horz
2	2128.036	45.68	PK	31.6	-37	4.2	0	44.48	-	-	68.2	-23.72	100	Horz
3	5294.453	41.91	PK	34.3	-35.5	7.1	0.9	48.71	-	-	68.2	-19.49	200	Horz
4	5518.741	38.01	PK	34.4	-35.5	7.3	0.7	44.91	-	-	68.2	-23.29	100	Horz

Vertical 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
5	1488.156	52.55	PK	29	-37.8	3.5	0	47.25	-	-	68.2	-20.95	100	Vert
6	1669.565	48.99	PK	29.1	-37.5	3.7	0	44.29	53.97	-9.68	74	-29.71	100	Vert
7	2124.738	46.79	PK	31.6	-37	4.2	0	45.59	-	-	68.2	-22.61	100	Vert
8	2662.369	44.27	PK	32.7	-36.8	4.7	0	44.87	53.97	-9.1	74	-29.13	200	Vert
9	2998.801	47.1	PK	32.7	-36.7	5	0	48.1	-	-	68.2	-20.1	100	Vert
10	4855.772	38.01	PK	34	-35.7	6.8	0.1	43.21	53.97	-10.76	74	-30.79	100	Vert
11	5297.751	42.54	PK	34.3	-35.5	7.1	0.9	49.34	-	-	68.2	-18.86	200	Vert
12	5522.039	39.64	PK	34.4	-35.5	7.3	0.7	46.54	-	-	68.2	-21.66	100	Vert
13	7494.453	38.27	PK	35.4	-35.8	8.8	0.1	46.77	53.97	-7.2	74	-27.23	100	Vert

Horizontal 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
14	8701.849	36.71	PK	35.8	-36	9.6	0.2	46.31	-	-	68.2	-21.89	200	Horz
15	10588.506	33.64	PK	37.8	-35.9	10.7	0.3	46.54	-	-	68.2	-21.66	100	Horz

Vertical 7600 - 18000MHz

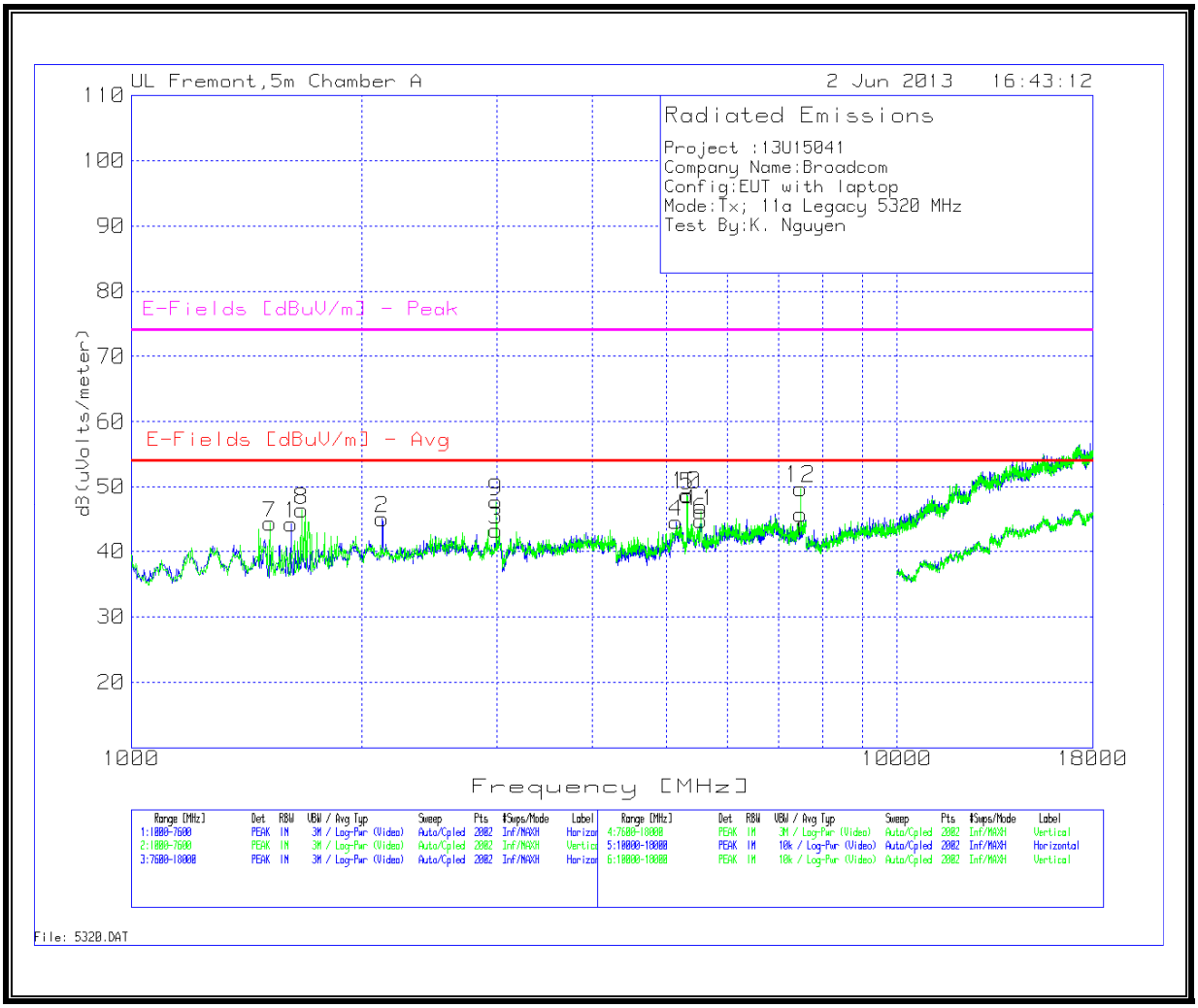
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
16	8675.862	36.89	PK	35.8	-36	9.6	0.2	46.49	-	-	68.2	-21.71	200	Vert
17	10437.781	35.75	PK	37.4	-36	10.6	0.2	47.95	-	-	68.2	-20.25	200	Vert
18	10604.098	33.29	PK	37.8	-35.9	10.7	0.4	46.29	53.97	-7.68	74	-27.71	200	Vert

Vertical 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
20	10423.788	23.86	PK	37.4	-36	10.6	0.1	35.96	-	-	68.2	-32.24	100	Vert
21	10603.698	25.82	PK	37.8	-35.9	10.7	0.4	38.82	53.97	-15.15	-	-	200	Vert

PK - Peak detector

High Channel



Trace Markers

Horizontal 1000 - 7600MHz														
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	1616.792	49.76	PK	28.5	-37.6	3.6	0	44.26	53.97	-9.71	74	-29.74	200	Horz
2	2128.036	46.23	PK	31.6	-37	4.2	0	45.03	-	-	68.2	-23.17	100	Horz
3	2998.801	42.31	PK	32.7	-36.7	5	0	43.31	-	-	68.2	-24.89	200	Horz
4	5146.027	38.04	PK	34.1	-35.5	7	0.9	44.54	53.97	-9.43	74	-29.46	200	Horz
5	5327.436	41.73	PK	34.3	-35.5	7.2	0.9	48.63	-	-	68.2	-19.57	200	Horz
6	5548.426	38.11	PK	34.4	-35.5	7.3	0.4	44.71	-	-	68.2	-23.49	100	Horz

Vertical 1000 - 7600MHz														
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
7	1517.841	49.68	PK	28.8	-37.7	3.5	0	44.28	-	-	68.2	-23.92	200	Vert
8	1669.565	51.11	PK	29.1	-37.5	3.7	0	46.41	53.97	-7.56	74	-27.59	100	Vert
9	2998.801	46.74	PK	32.7	-36.7	5	0	47.74	-	-	68.2	-20.46	100	Vert
10	5317.541	41.97	PK	34.3	-35.5	7.1	0.9	48.77	-	-	68.2	-19.43	200	Vert
11	5545.127	39.46	PK	34.4	-35.5	7.3	0.4	46.06	-	-	68.2	-22.14	100	Vert
12	7484.558	41.32	PK	35.4	-35.8	8.8	0	49.72	53.97	-4.25	74	-24.28	100	Vert

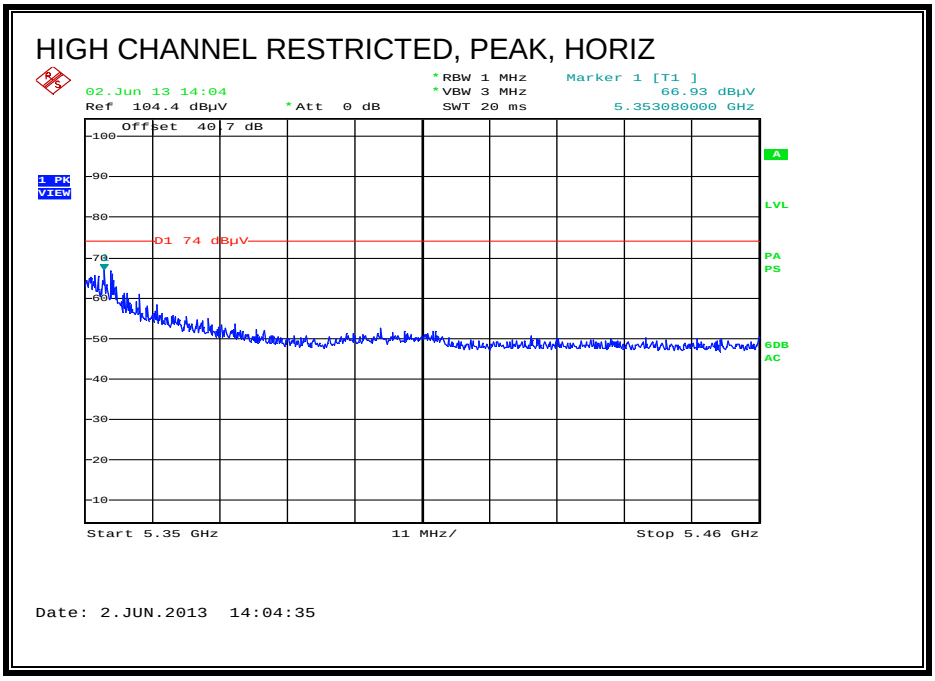
Radiated Emissions

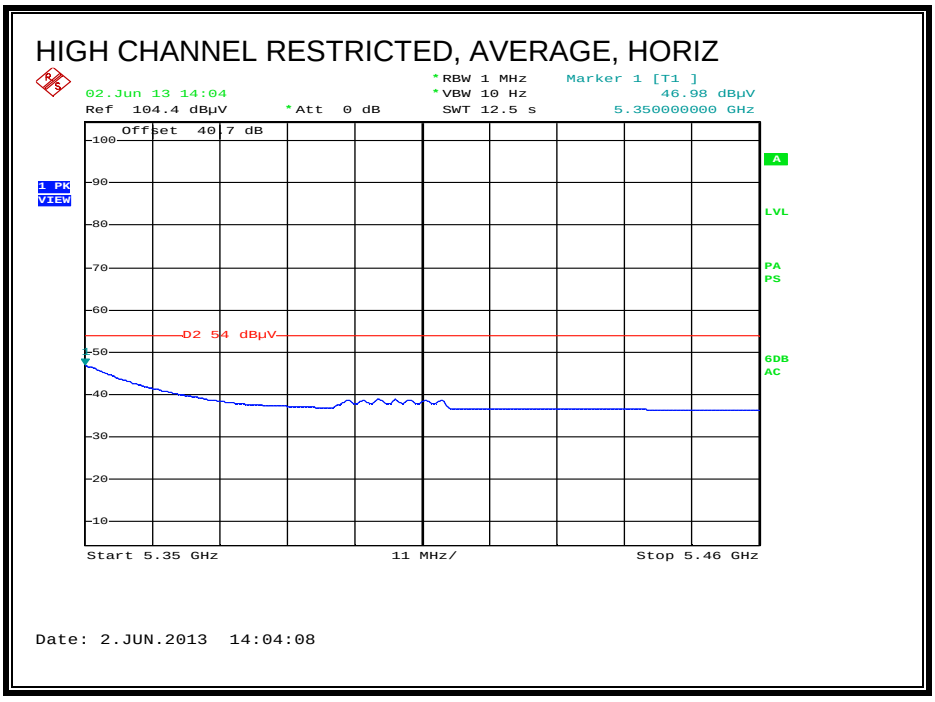
Vertical 1000 - 7600MHz														
Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	E-Fields Limit [dBuV/m] - Avg	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
7486.1	25.96	VB1	35.4	-35.8	8.8	0	34.36	53.97	-19.61	-	-	137	150	Vert

VB1 - KDB 789033 v01r02 Method: VB Alternative Reduced Video

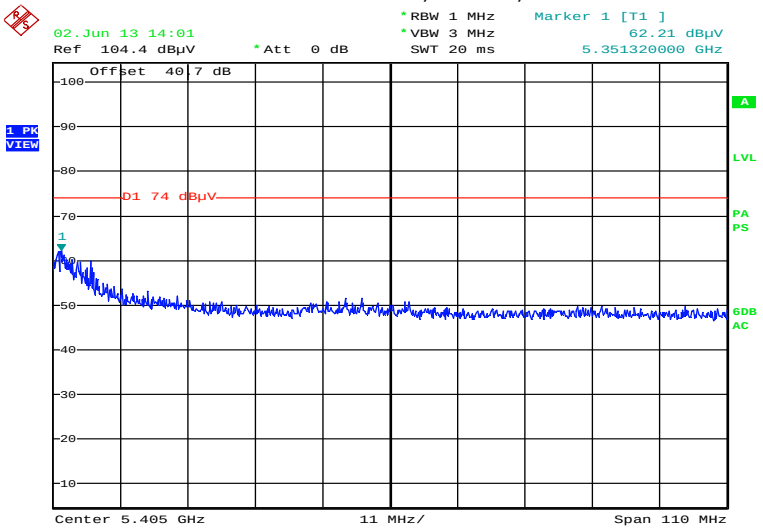
8.2.10. 802.11n HT20 CDD 2TX MODE, 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)





HIGH CHANNEL RESTRICTED, PEAK, VERT



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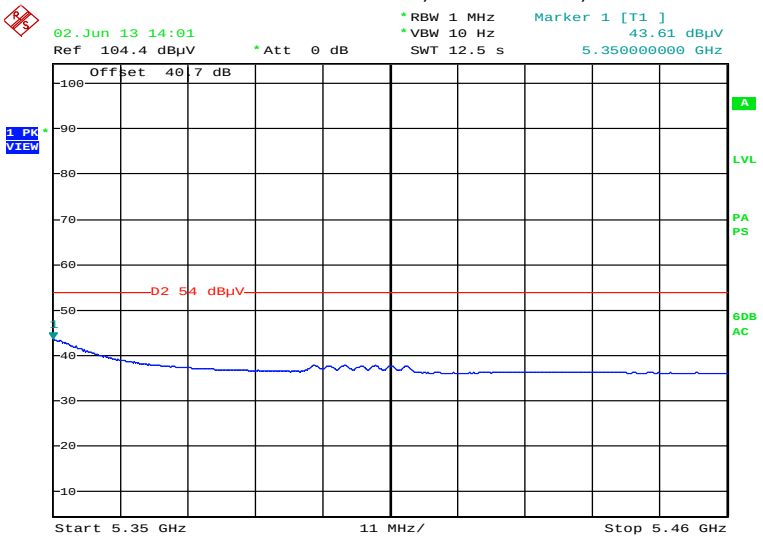
HIGH CHANNEL RESTRICTED, AVERAGE, VERT



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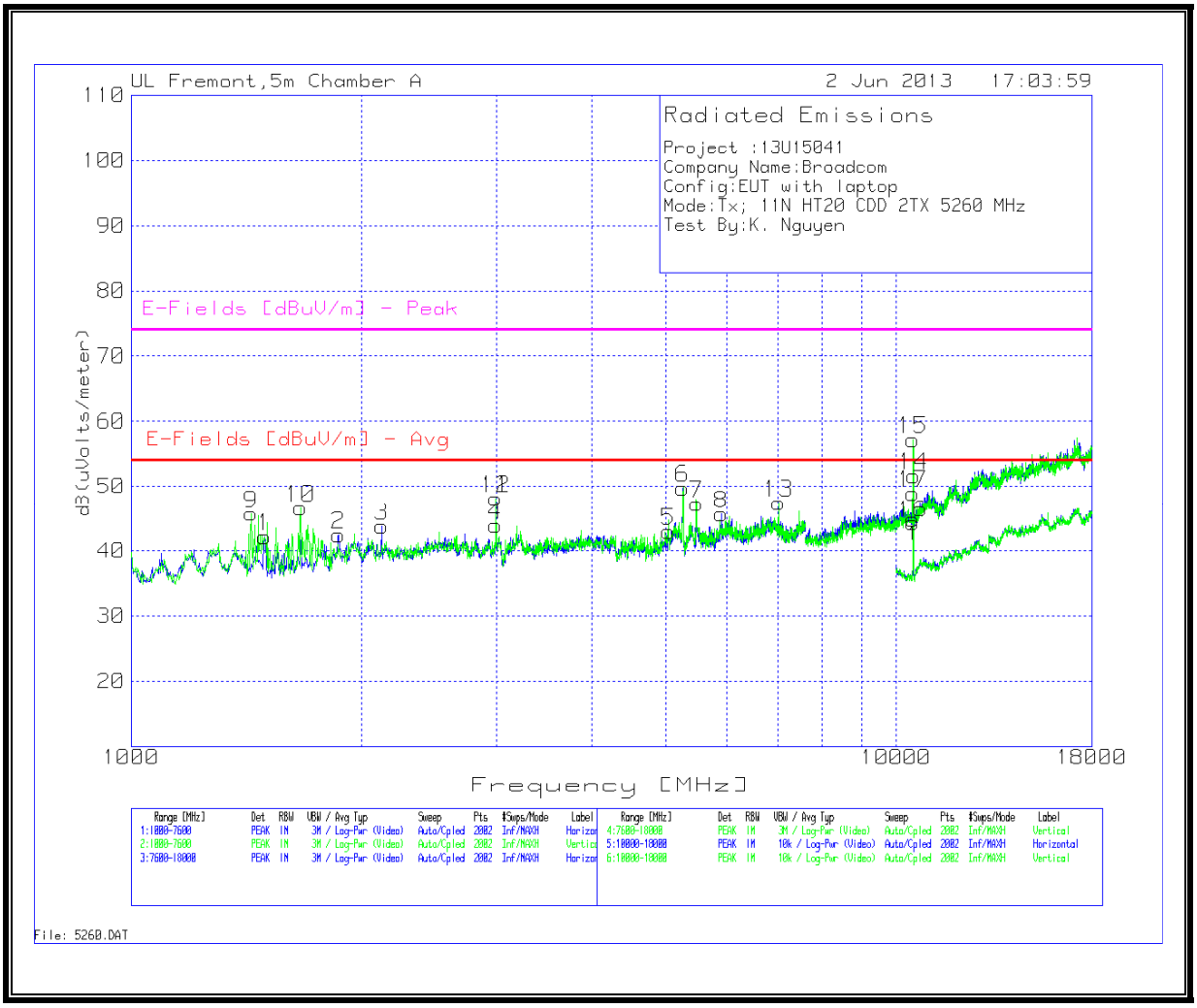
HARMONICS AND SPURIOUS EMISSIONS

Low Channel



Trace Markers

Horizontal 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	1494.753	47.54	PK	28.9	-37.8	3.5	0	42.14	-	-	68.2	-26.06	150	Horz
2	1867.466	44.59	PK	31.3	-37.3	3.9	0	42.49	-	-	68.2	-25.71	200	Horz
3	2124.738	44.96	PK	31.6	-37	4.2	0	43.76	-	-	68.2	-24.44	200	Horz
4	2998.801	42.93	PK	32.7	-36.7	5	0	43.93	-	-	68.2	-24.27	200	Horz
5	5037.181	36.88	PK	33.9	-35.6	6.9	0.9	42.98	53.97	-10.99	74	-31.02	200	Horz
6	5261.469	42.93	PK	34.3	-35.5	7.1	0.9	49.73	-	-	68.2	-18.47	150	Horz
7	5482.459	40.25	PK	34.4	-35.5	7.3	0.9	47.35	-	-	68.2	-20.85	150	Horz
8	5914.543	38.58	PK	35.1	-35.6	7.6	0	45.68	-	-	68.2	-22.52	150	Horz

Vertical 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
9	1435.382	50.76	PK	29.5	-37.9	3.4	0	45.76	-	-	68.2	-22.44	100	Vert
10	1666.267	51.44	PK	29	-37.5	3.7	0	46.64	53.97	-7.33	74	-27.36	100	Vert
11	2998.801	47.12	PK	32.7	-36.7	5	0	48.12	-	-	68.2	-20.08	100	Vert
12	2998.801	47.12	PK	32.7	-36.7	5	0	48.12	-	-	68.2	-20.08	100	Vert
13	7012.894	39.31	PK	35.4	-35.7	8.5	0	47.51	-	-	68.2	-20.69	100	Vert

Horizontal 7600 - 18000MHz

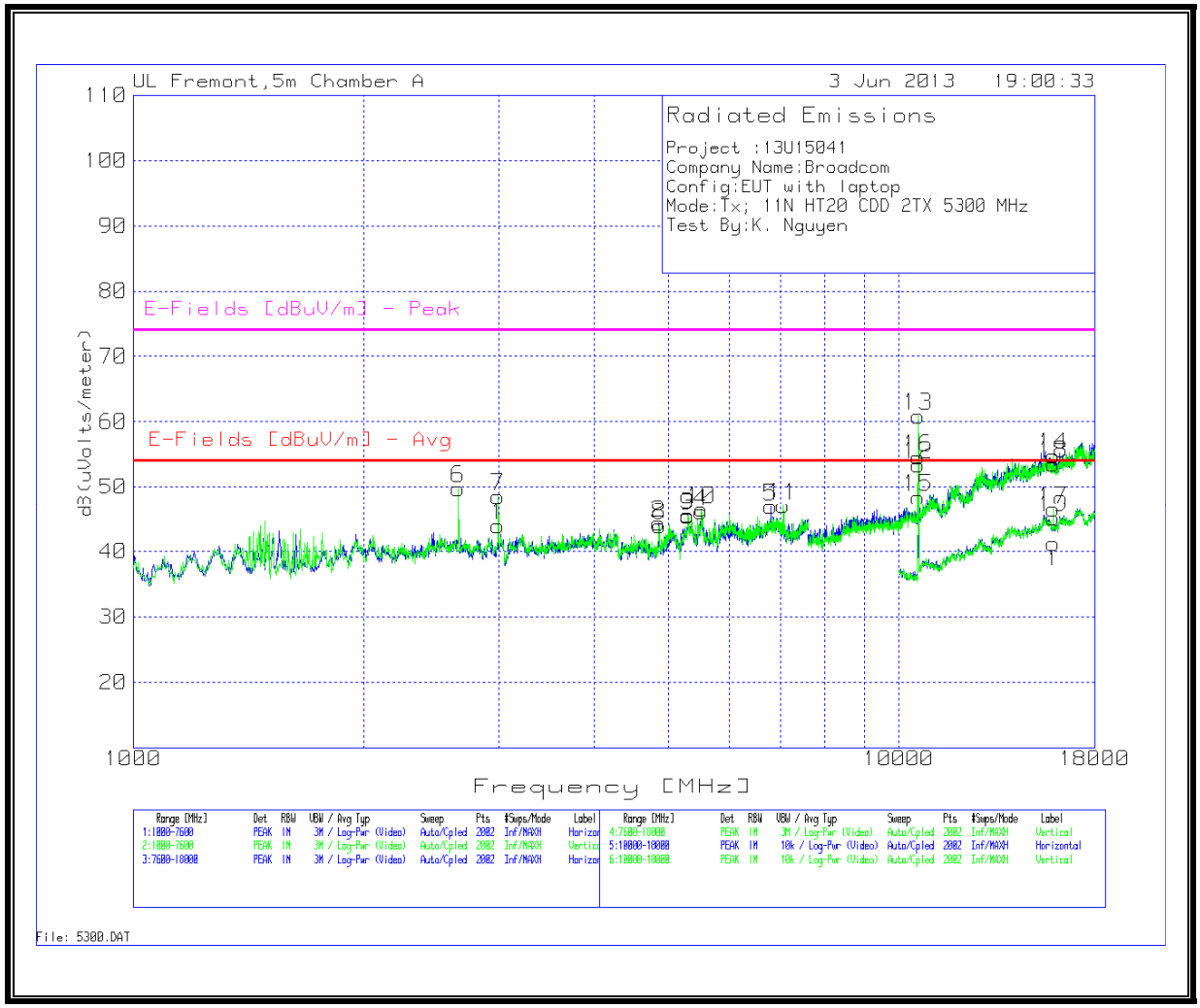
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
14	10526.137	39.11	PK	37.6	-35.9	10.7	0.2	51.71	-	-	68.2	-16.49	100	Horz

Vertical 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
15	10520.94	44.71	PK	37.6	-36	10.6	0.3	57.21	-	-	68.2	-10.99	200	Vert

PK1 - KDB 789033 v01r02 Method: Peak

Mid Channel



Trace Markers

Horizontal 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	2998.801	42.89	PK	32.7	-36.7	5	0	43.89	-	-	68.2	-24.31	200	Horz
2	4859.07	39.19	PK	34	-35.7	6.8	0.1	44.39	53.97	-9.58	74	-29.61	106	Horz
3	5301.049	38.82	PK	34.3	-35.5	7.1	0.9	45.62	-	-	68.2	-22.58	106	Horz
4	5515.442	39.22	PK	34.4	-35.5	7.3	0.7	46.12	-	-	68.2	-22.08	106	Horz
5	6798.501	38.76	PK	35.4	-35.6	8.3	0.1	46.96	-	-	68.2	-21.24	106	Horz

Vertical 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
6	2659.07	49.18	PK	32.7	-36.8	4.7	0	49.78	53.97	-4.19	74	-24.22	100	Vert
7	2998.801	47.56	PK	32.7	-36.7	5	0	48.56	-	-	68.2	-19.64	100	Vert
8	4862.369	38.75	PK	34	-35.7	6.8	0.1	43.95	53.97	-10.02	74	-30.05	100	Vert
9	5297.751	38.63	PK	34.3	-35.5	7.1	0.9	45.43	-	-	68.2	-22.77	200	Vert
10	5522.039	39.55	PK	34.4	-35.5	7.3	0.7	46.45	-	-	68.2	-21.75	100	Vert
11	7065.667	38.72	PK	35.4	-35.7	8.5	0.1	47.02	-	-	68.2	-21.18	100	Vert

Horizontal 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
12	10604.098	40.41	PK	37.8	-35.9	10.7	0.4	53.41	-	-	74	-20.59	100	Horz
18	15905.447	34.75	PK	40.4	-35.3	13.4	0.3	53.55	-	-	74	-20.45	100	Horz

Vertical 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
13	10593.703	47.98	PK	37.8	-35.9	10.7	0.3	60.88	-	-	74	-13.12	100	Vert
14	15910.645	35.87	PK	40.4	-35.3	13.4	0.4	54.77	-	-	74	-19.23	100	Vert

Horizontal 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
15	10595.702	35.55	PK	37.8	-35.9	10.7	0.3	48.45	53.97	-5.52	-	-	100	Horz
19	15897.051	26.41	PK	40.4	-35.3	13.4	0.3	45.21	53.97	-8.76	-	-	100	Horz

Vertical 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
16	10599.7	41.66	PK	37.8	-35.9	10.7	0.3	54.56	53.97	0.59	-	-	100	Vert
17	15905.047	27.77	PK	40.4	-35.3	13.4	0.3	46.57	53.97	-7.4	-	-	100	Vert

Radiated Emissions

Horizontal 1000 - 7600MHz

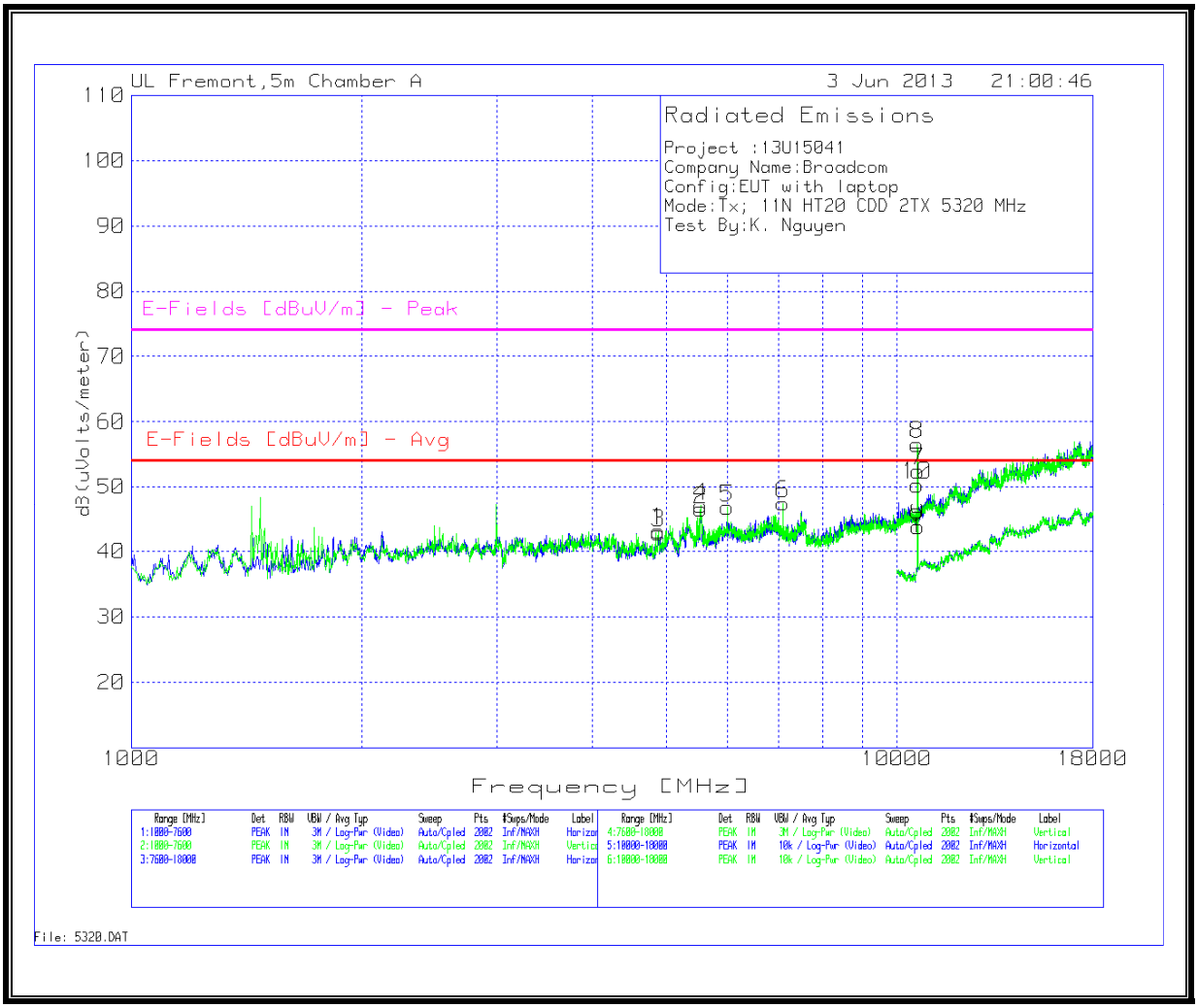
Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2656.7	30.28	VB1	32.7	-36.8	4.7	0	30.88	53.97	-23.09	-	-	262	333	Horz
2657.62	31.65	VB1	32.7	-36.8	4.7	0	32.25	53.97	-21.72	-	-	122	333	Vert

Horizontal 10000 - 18000MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10599.84	39.97	VB1	37.8	-35.9	10.7	0.3	52.87	53.97	-1.1	-	-	33	132	Vert
10599.92	31.76	VB1	37.8	-35.9	10.7	0.3	44.66	53.97	-9.31	-	-	235	168	Horz

VB1 - KDB 789033 v01r02 Method: VB Alternative Reduced Video

High Channel



Trace Markers

Horizontal 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	4875.562	37.88	PK	34	-35.7	6.8	0.2	43.18	53.97	-10.79	74	-30.82	100	Horz
2	5548.426	39.88	PK	34.4	-35.5	7.3	0.4	46.48	-	-	68.2	-21.72	100	Horz

Vertical 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
3	4885.457	37.58	PK	34	-35.7	6.8	0.2	42.88	53.97	-11.09	74	-31.12	100	Vert
4	5545.127	40.51	PK	34.4	-35.5	7.3	0.4	47.11	-	-	68.2	-21.09	100	Vert
5	6000.3	39.39	PK	35.2	-35.6	7.7	0.1	46.79	-	-	68.2	-21.41	100	Vert
6	7095.352	39.08	PK	35.4	-35.7	8.6	0.1	47.48	-	-	68.2	-20.72	100	Vert

Horizontal 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
7	10645.677	39.78	PK	37.8	-35.9	10.7	0.1	52.48	-	-	74	-21.52	150	Horz

Vertical 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
8	10635.282	43.73	PK	37.8	-35.9	10.7	0.2	56.53	-	-	74	-17.47	100	Vert

Horizontal 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
9	10639.68	31.11	PK	37.8	-35.9	10.7	0.1	43.81	53.97	-10.16	74	-30.19	100	Horz

Vertical 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
10	10635.682	37.45	PK	37.8	-35.9	10.7	0.2	50.25	53.97	-3.72	74	-23.75	100	Vert

PK - Peak detector

Radiated Emissions

Vertical 10000 - 18000MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10639.66	37.46	VB1	37.8	-35.9	10.7	0.1	50.16	53.97	-3.81	-	-	35	105	Vert

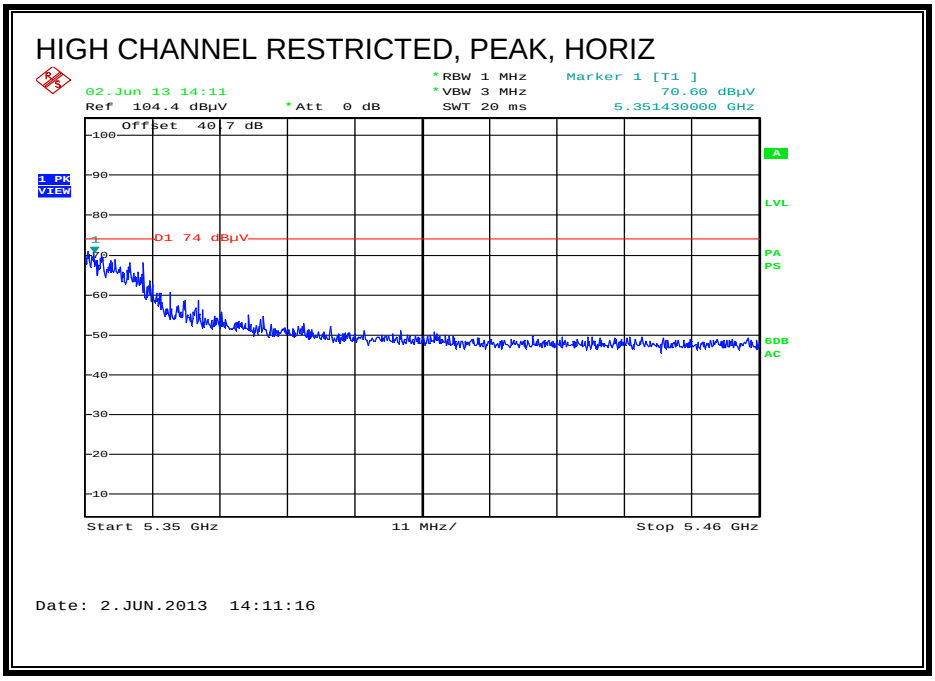
VB1 - KDB 789033 v01r02 Method: VB Alternative Reduced Video

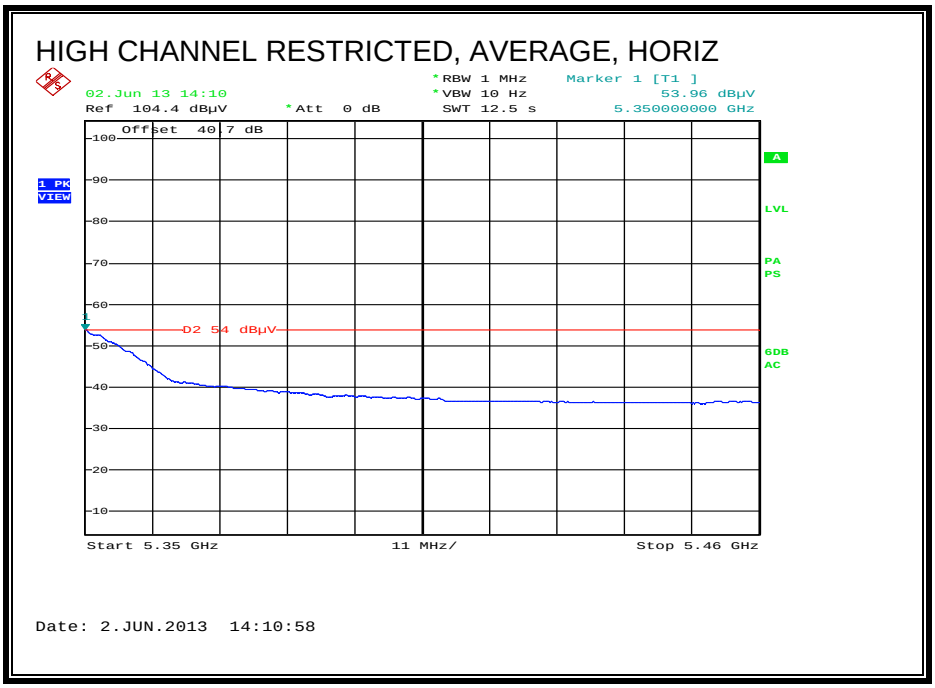
8.2.11. 802.11n HT40 CDD MCS0 1TX MODE IN THE 5.3 GHz BAND

Covered by testing to 11n HT40 CCD MCS0 2TX

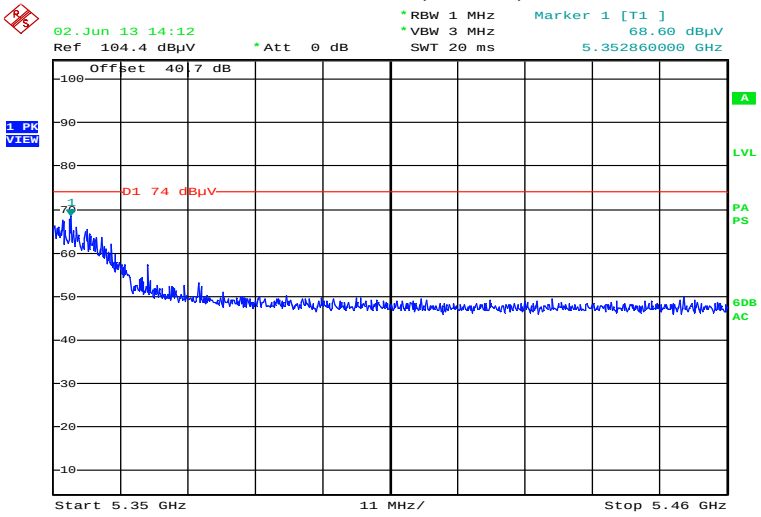
8.2.12. 802.11n HT40 CDD 2TX MODE, 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)





HIGH CHANNEL RESTRICTED, PEAK, VERT



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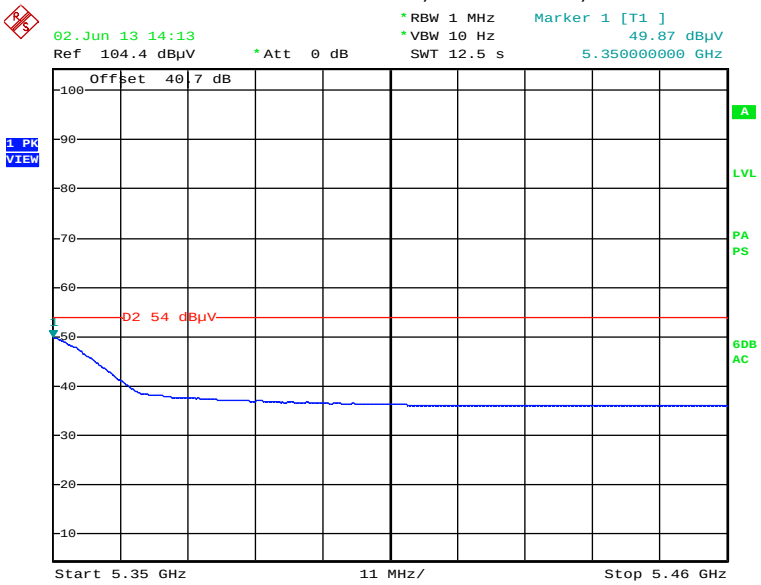
HIGH CHANNEL RESTRICTED, AVERAGE, VERT



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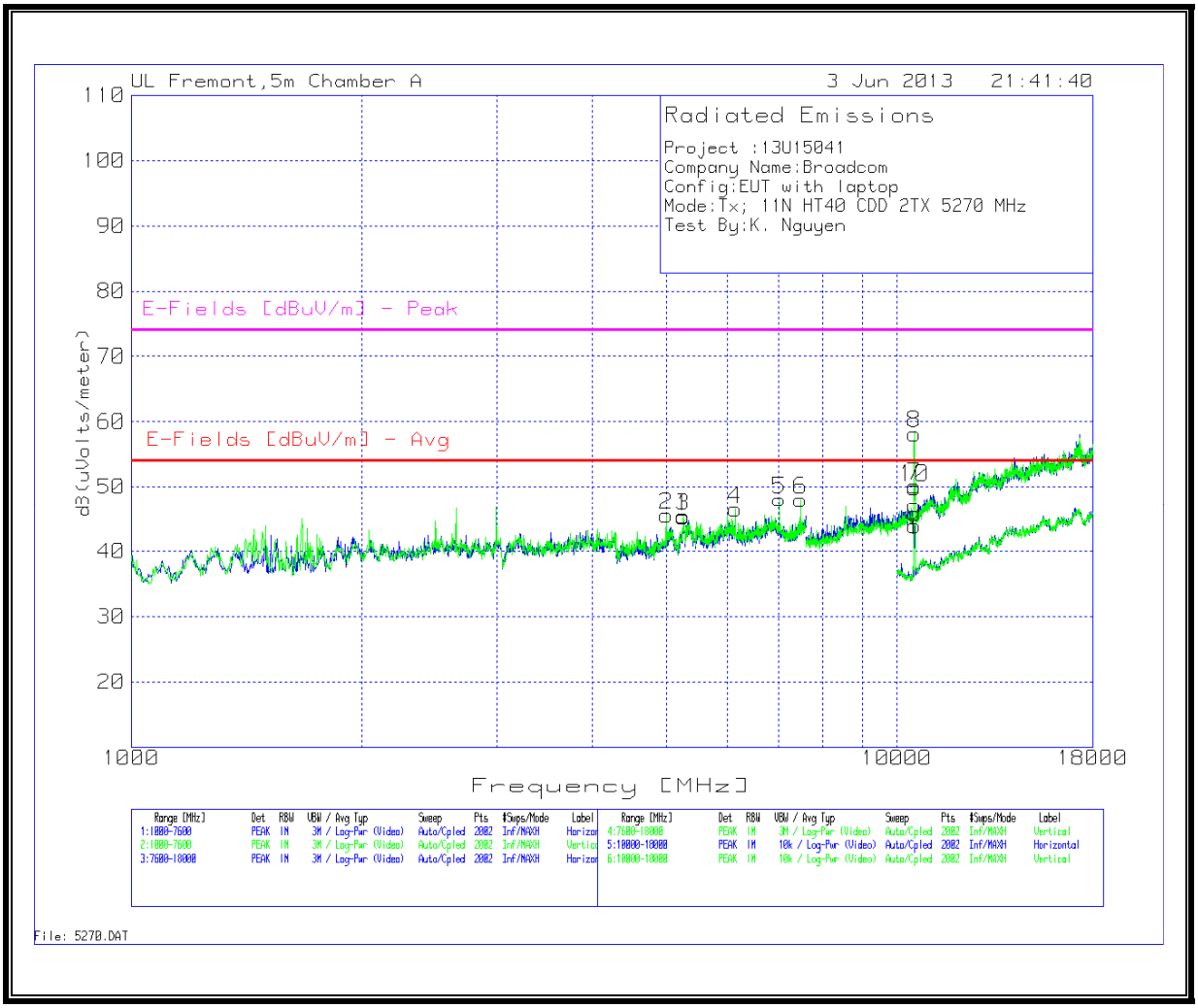
HARMONICS AND SPURIOUS EMISSIONS

Low Channel



Trace Markers

Horizontal 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	5258.171	38.5	PK	34.3	-35.5	7.1	0.9	45.3	-	-	68.2	-22.9	105	Horz

Vertical 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
2	4994.303	39.79	PK	33.9	-35.6	6.9	0.6	45.59	53.97	-8.38	74	-28.41	100	Vert
3	5258.171	38.63	PK	34.3	-35.5	7.1	0.9	45.43	-	-	68.2	-22.77	100	Vert
4	6148.726	38.86	PK	35.3	-35.6	7.8	0.1	46.46	-	-	68.2	-21.74	100	Vert
5	7026.087	39.76	PK	35.4	-35.7	8.5	0.1	48.06	-	-	68.2	-20.14	100	Vert
6	7484.558	39.6	PK	35.4	-35.8	8.8	0	48	53.97	-5.97	74	-26	100	Vert

Horizontal 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
7	10531.334	37.62	PK	37.6	-35.9	10.7	0.2	50.22	-	-	68.2	-17.98	100	Horz

Vertical 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
8	10526.137	45.55	PK	37.6	-35.9	10.7	0.2	58.15	-	-	68.2	-10.05	100	Vert

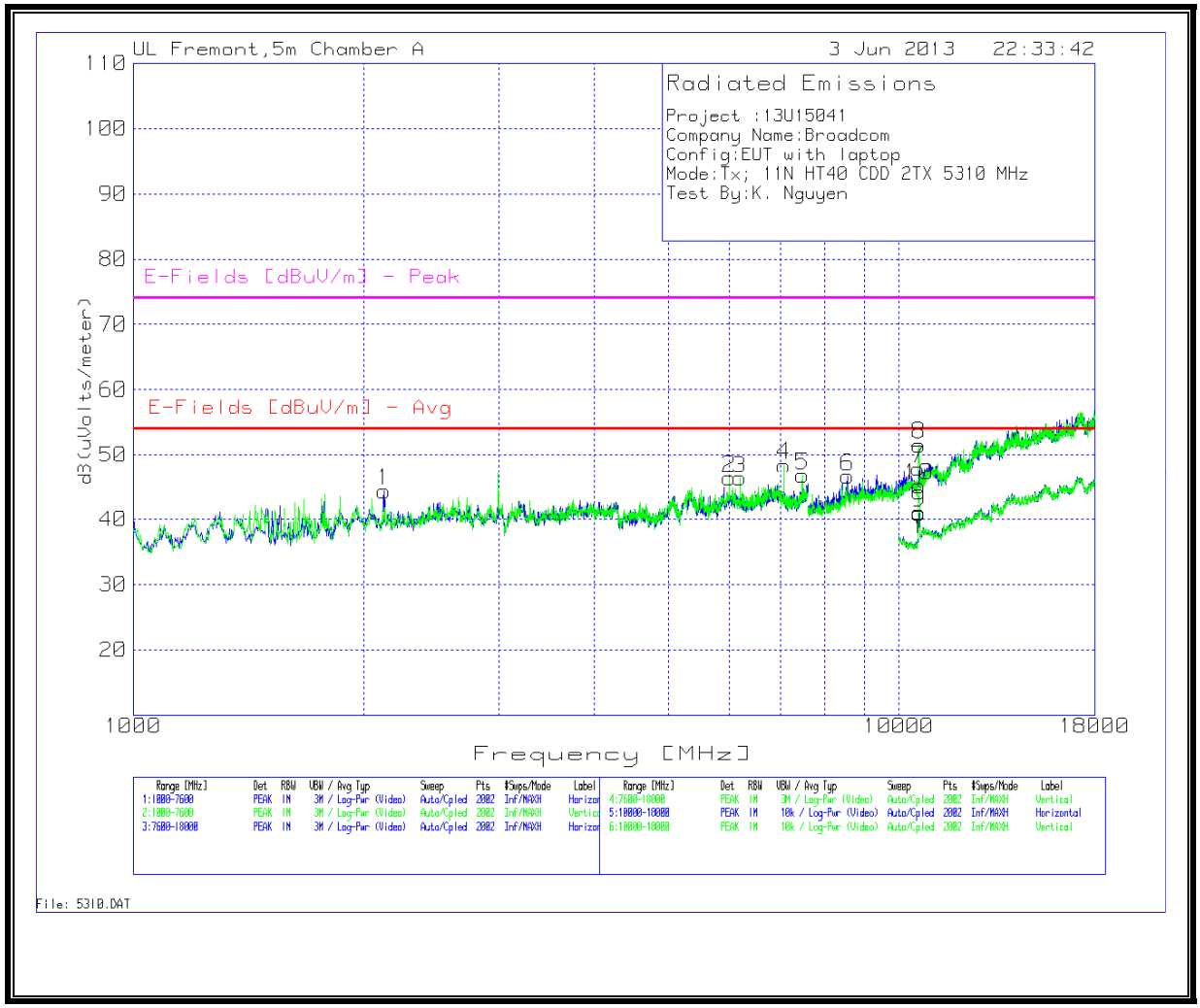
Radiated Emissions

Vertical 1000 - 7600MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
7487.5	25.93	VB1	35.4	-35.8	8.8	0.1	34.43	53.97	-19.54	-	-	8	121	Vert

VB1 - KDB 789033 v01r02 Method: VB Alternative Reduced Video

High Channel



Trace Markers

Horizontal 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	2124.738	45.53	PK	31.6	-37	4.2	0	44.33	-	-	68.2	-23.87	100	Horz

Vertical 1000 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
2	6000.3	38.93	PK	35.2	-35.6	7.7	0.1	46.33	-	-	68.2	-21.87	100	Vert
3	6194.903	38.51	PK	35.4	-35.6	7.9	0.1	46.31	-	-	68.2	-21.89	100	Vert
4	7078.861	40.2	PK	35.4	-35.7	8.5	0	48.4	-	-	68.2	-19.8	100	Vert
5	7481.259	38.4	PK	35.4	-35.8	8.8	0	46.8	53.97	-7.17	74	-27.2	100	Vert

Horizontal 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
6	8571.914	37.24	PK	35.7	-36	9.5	0.2	46.64	-	-	68.2	-21.56	200	Horz
7	10604.098	34.82	PK	37.8	-35.9	10.7	0.4	47.82	53.97	-6.15	74	-26.18	100	Horz

Vertical 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
8	10609.295	38.55	PK	37.8	-35.9	10.7	0.4	51.55	53.97	-2.42	74	-22.45	100	Vert

Horizontal 10000 - 18000MHz

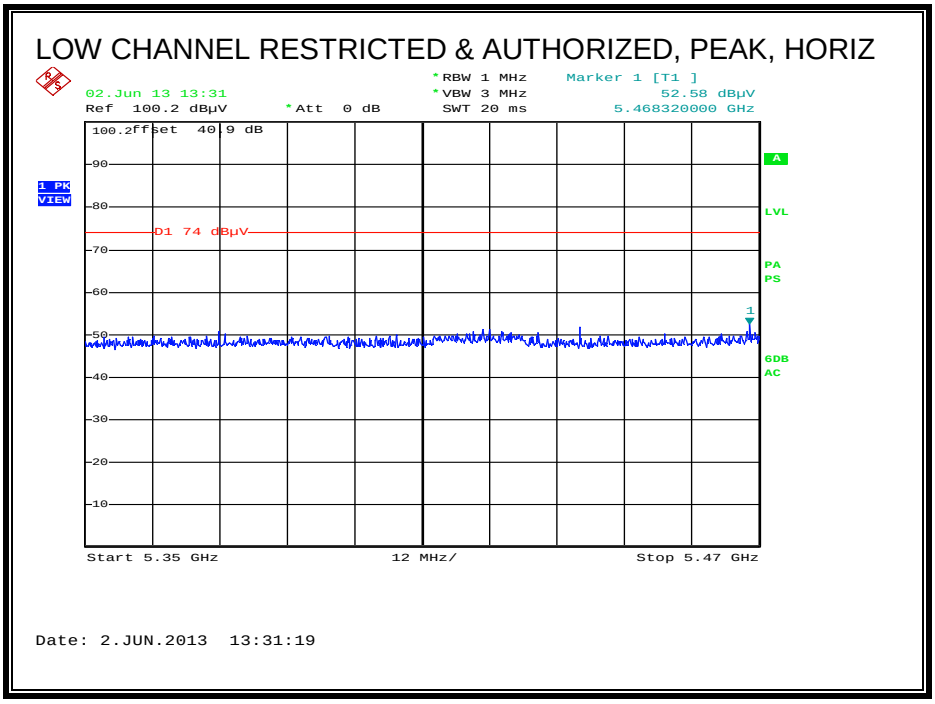
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
9	10623.688	28.11	PK	37.8	-35.9	10.7	0.2	40.91	53.97	-13.06	74	-33.09	100	Horz

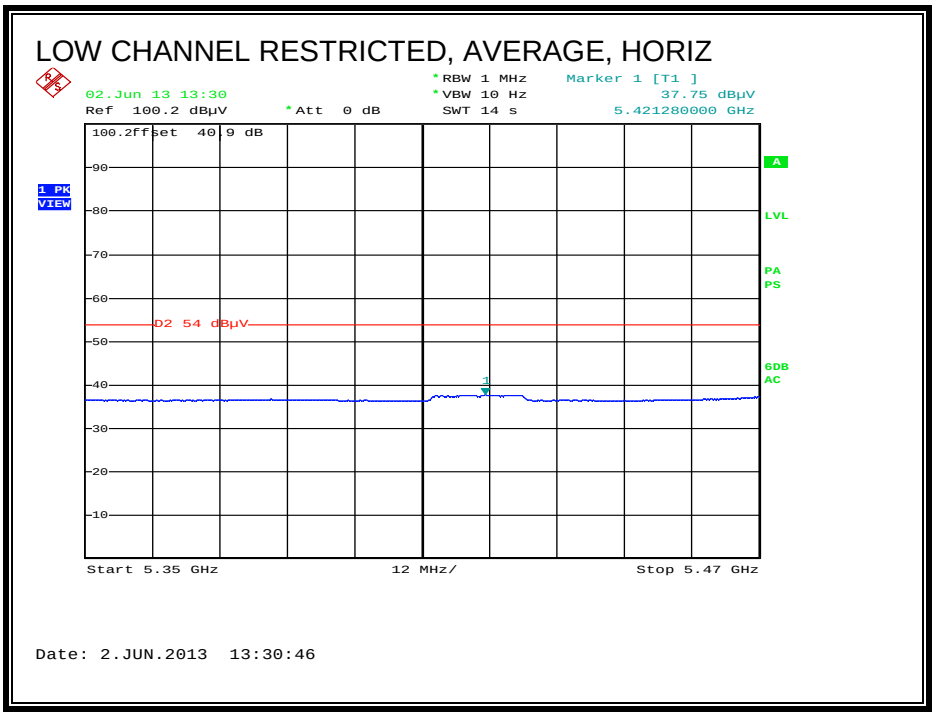
Vertical 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
10	10619.69	32.23	PK	37.8	-35.9	10.7	0.3	45.13	53.97	-8.84	74	-28.87	100	Vert

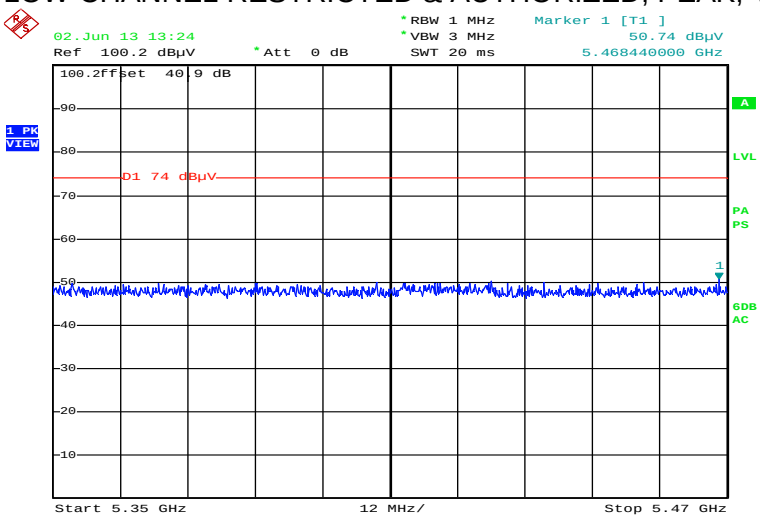
8.2.13. 802.11a LEGACY 1TX MODE, 5.6 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL)





LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT



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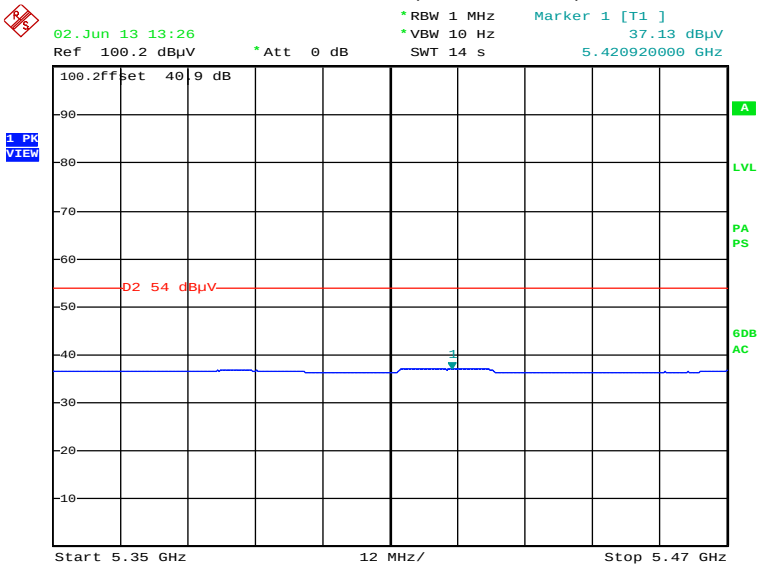
LOW CHANNEL RESTRICTED, AVERAGE, VERT



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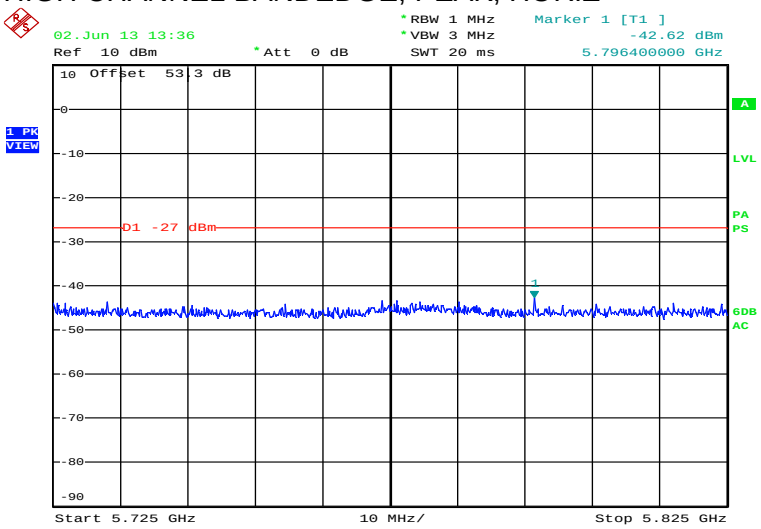
AUTHORIZED BANDEDGE (HIGH CHANNEL)

HIGH CHANNEL BANDEDGE, PEAK, HORIZ



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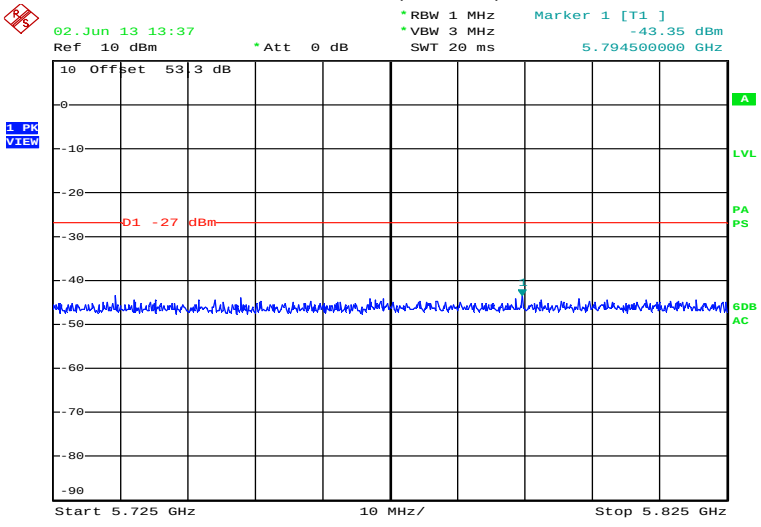
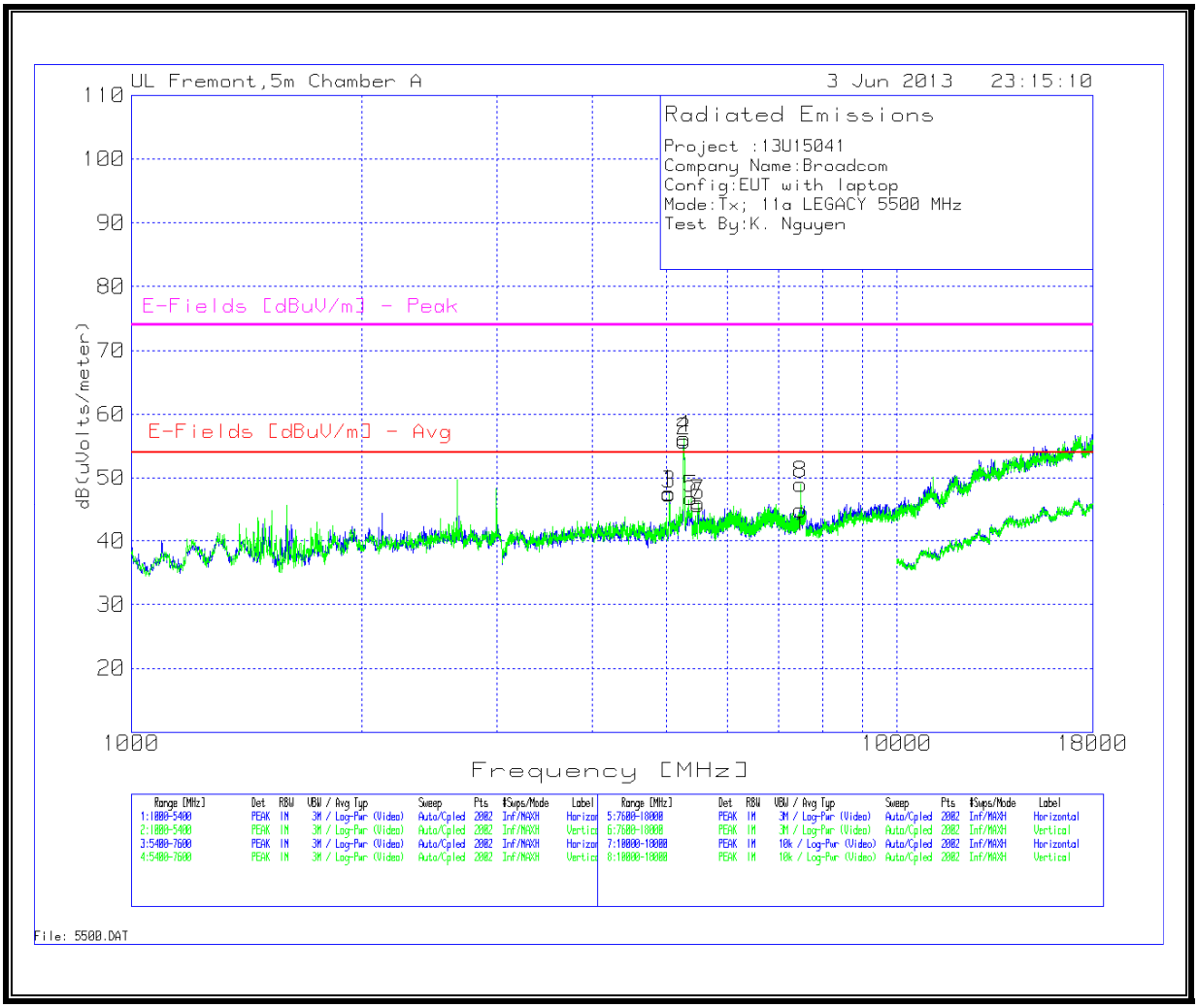
HIGH CHANNEL BANDEDGE, PEAK, VERT



Date: 2.JUN.2013 13:37:21

HARMONICS AND SPURIOUS EMISSIONS

Low Channel



Trace Markers

Horizontal 1000 - 5400MHz														
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	5037.181	42.37	PK	33.9	-35.6	6.9	0.1	47.67	54	-6.33	74	-26.33	100	Horz
2	5270.265	49.27	PK	34.3	-35.5	7.1	0.6	55.77	-	-	68.2	-12.43	100	Horz

Vertical 1000 - 5400MHz														
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
3	5043.778	42.16	PK	33.9	-35.6	6.9	0.1	47.46	54	-6.54	74	-26.54	100	Vert
4	5270.265	49.8	PK	34.3	-35.5	7.1	0.6	56.3	-	-	68.2	-11.9	100	Vert
5	5382.409	39.73	PK	34.4	-35.5	7.2	1	46.83	54	-7.17	74	-27.17	100	Vert

Horizontal 5400 - 7600MHz														
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
6	5505.547	38.56	PK	34.4	-35.5	7.3	1	45.76	-	-	68.2	-22.44	200	Horz

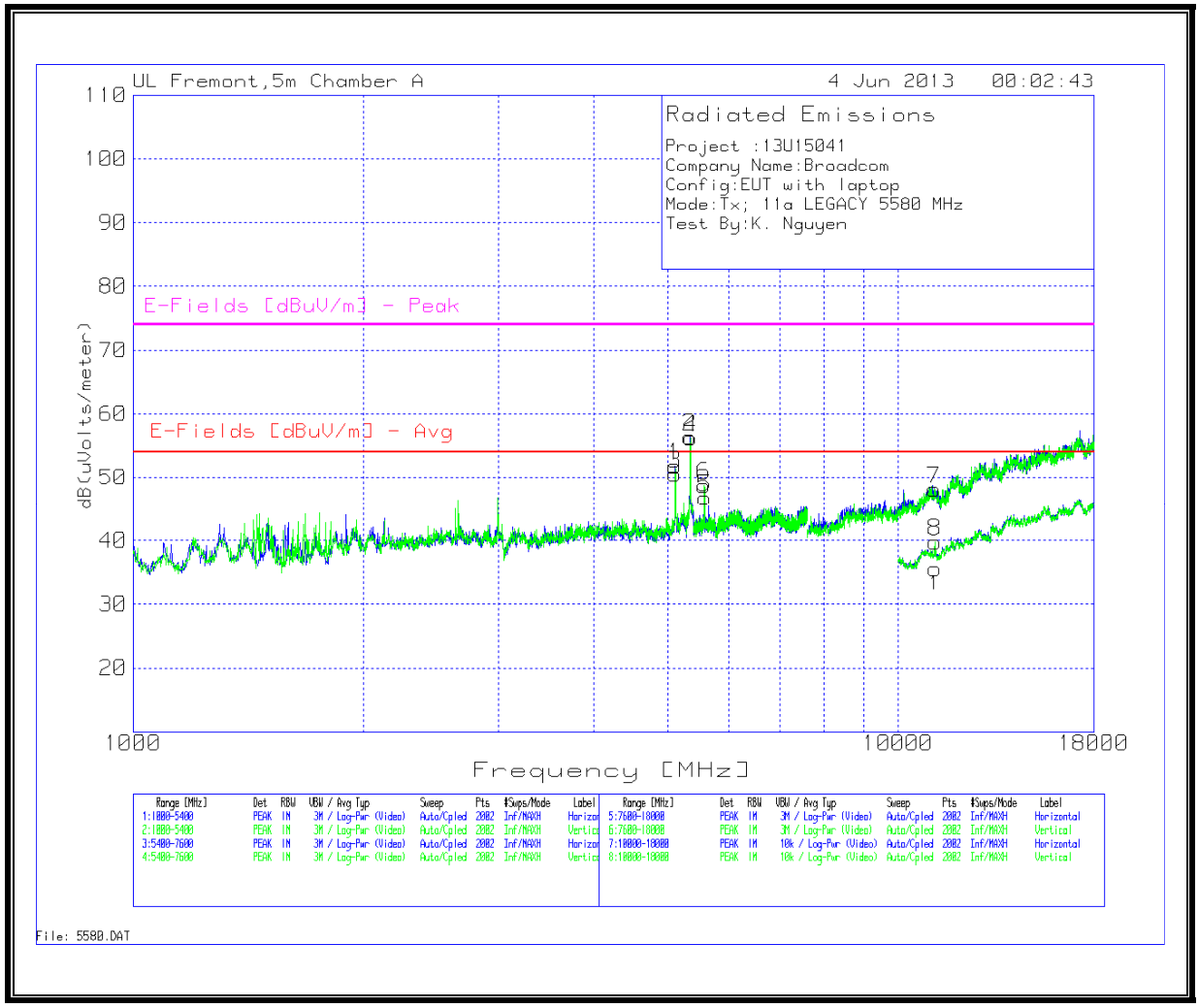
Vertical 5400 - 7600MHz														
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
7	5495.652	38.9	PK	34.4	-35.5	7.3	1	46.1	-	-	68.2	-22.1	200	Vert
8	7486.757	40.44	PK	35.4	-35.8	8.8	0.2	49.04	54	-4.96	74	-24.96	100	Vert

Radiated Emissions

Horizontal 5400 - 7600MHz														
Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
7486.98	25.89	VB1	35.4	-35.8	8.8	0.2	34.49	54	-19.51	74	-39.51	345	235	Vert

VB1 - KDB 789033 v01r02 Method: VB Alternative Reduced Video

Mid Channel



Trace Markers

Horizontal 1000 - 5400MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	5109.745	46.07	PK	34	-35.5	7	0.2	51.77	54	-2.23	74	-22.23	100	Horz
2	5340.63	49.43	PK	34.3	-35.5	7.2	1	56.43	-	-	68.2	-11.77	100	Horz

Vertical 1000 - 5400MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
3	5109.745	44.8	PK	34	-35.5	7	0.2	50.5	54	-3.5	74	-23.5	100	Vert
4	5349.425	49.21	PK	34.3	-35.5	7.2	1	56.21	-	-	68.2	-11.99	100	Vert

Horizontal 5400 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
5	5586.907	39.47	PK	34.4	-35.5	7.4	1	46.77	-	-	68.2	-21.43	200	Horz

Vertical 5400 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
6	5573.713	41.52	PK	34.4	-35.5	7.4	1	48.82	-	-	68.2	-19.38	200	Vert

Vertical 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
7	11155.022	34.64	PK	37.9	-35.6	11	0.2	48.14	54	-5.86	74	-25.86	200	Vert

Vertical 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
8	11159.42	26.27	PK	37.9	-35.6	11	0.2	39.77	54	-14.23	74	-34.23	100	Vert

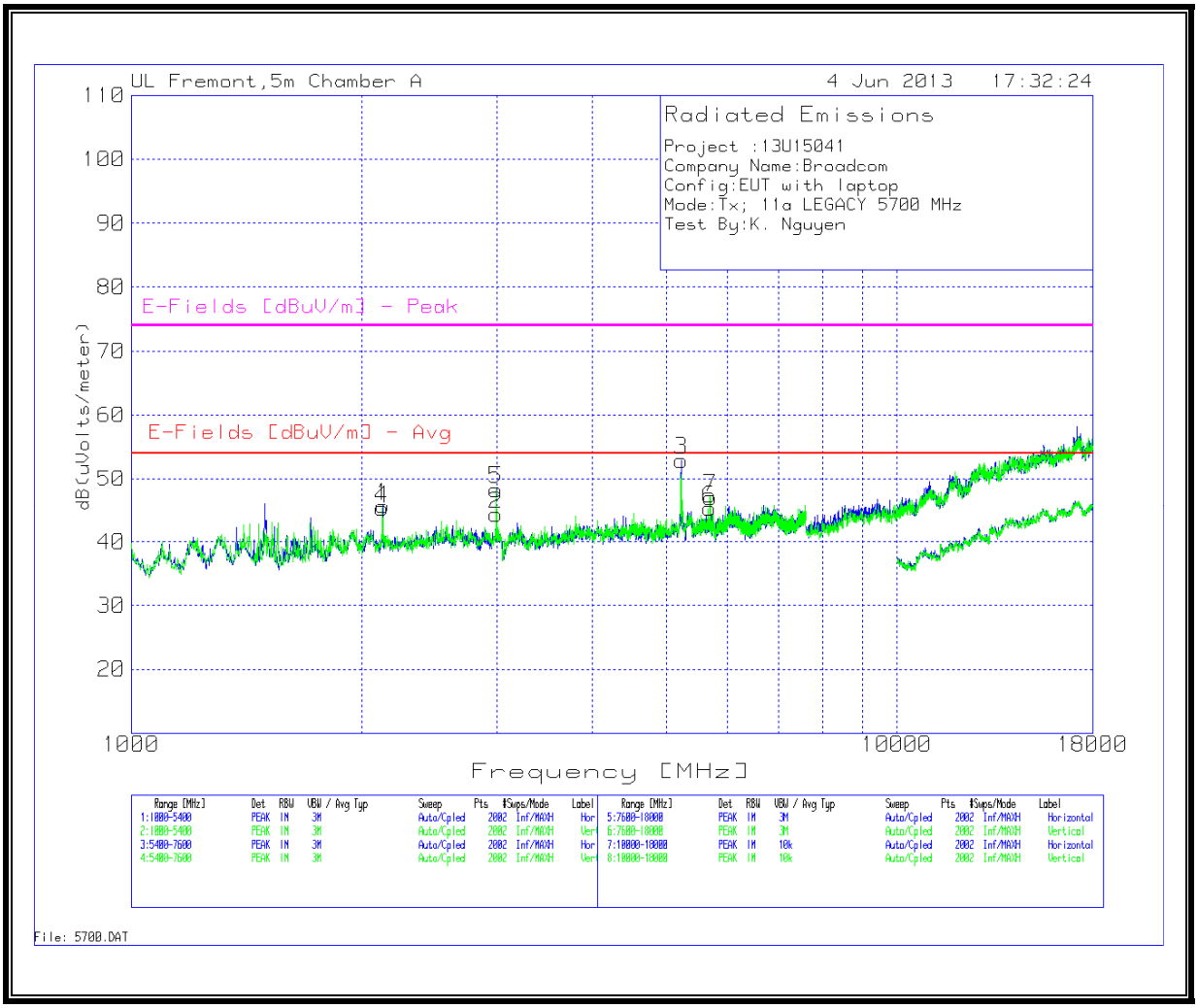
Radiated Emissions

Horizontal 1000 - 5400MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
5113.7	35.72	VB1	34	-35.5	7	0.3	41.52	54	-12.48	-	-	76	114	Vert
5346.08	40.33	VB1	34.3	-35.5	7.2	1	47.33	54	-6.67	-	-	149	104	Vert
Vertical 1000 - 5400MHz														
5345.98	42.34	VB1	34.3	-35.5	7.2	1	49.34	54	-4.66	-	-	289	101	Horz
5116.46	39.76	VB1	34	-35.5	7	0.3	45.56	54	-8.44	-	-	282	107	Horz

VB1 - KDB 789033 v01r02 Method: VB Alternative Reduced Video

High Channel



Trace Markers

Horizontal 1000 - 5400MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	2130.235	46.83	PK	31.6	-37	4.2	0.1	45.73	-	-	68.2	-22.47	200	Horz
2	2998.801	43.17	PK	32.7	-36.7	5	0.1	44.27	-	-	69.2	-24.93	200	Horz
3	5230.685	46.64	PK	34.2	-35.5	7.1	0.5	52.94	-	-	70.2	-17.26	100	Horz

Vertical 1000 - 5400MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
4	2128.036	46.43	PK	31.6	-37	4.2	0.1	45.33	-	-	68.2	-22.87	100	Vert
5	2998.801	47.23	PK	32.7	-36.7	5	0.1	48.33	-	-	69.2	-20.87	100	Vert

Horizontal 5400 - 7600MHz

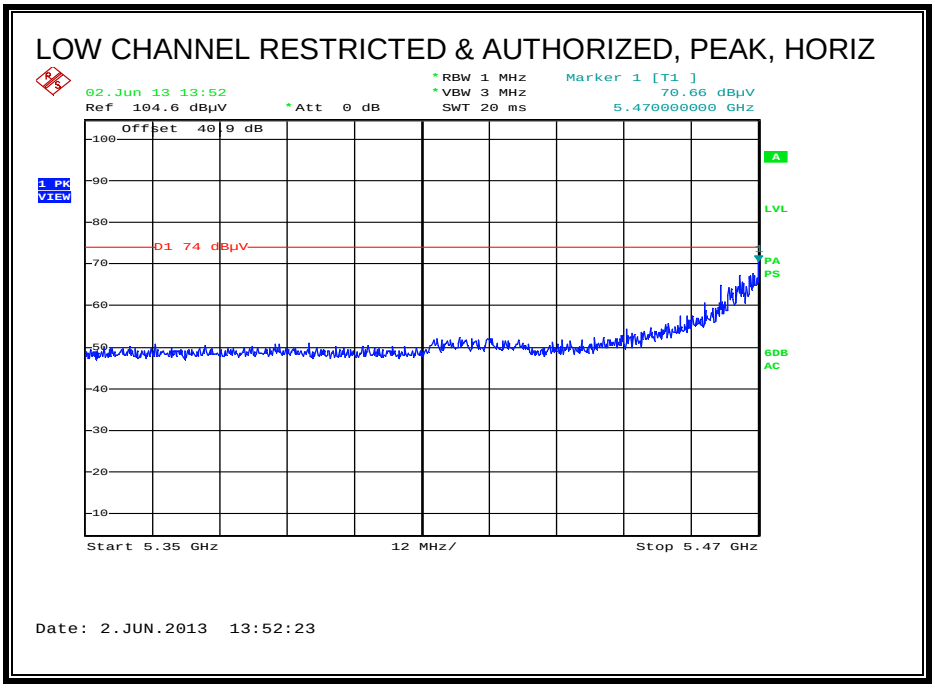
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
6	5700.15	37.71	PK	34.6	-35.5	7.5	1	45.31	-	-	68.2	-22.89	200	Horz

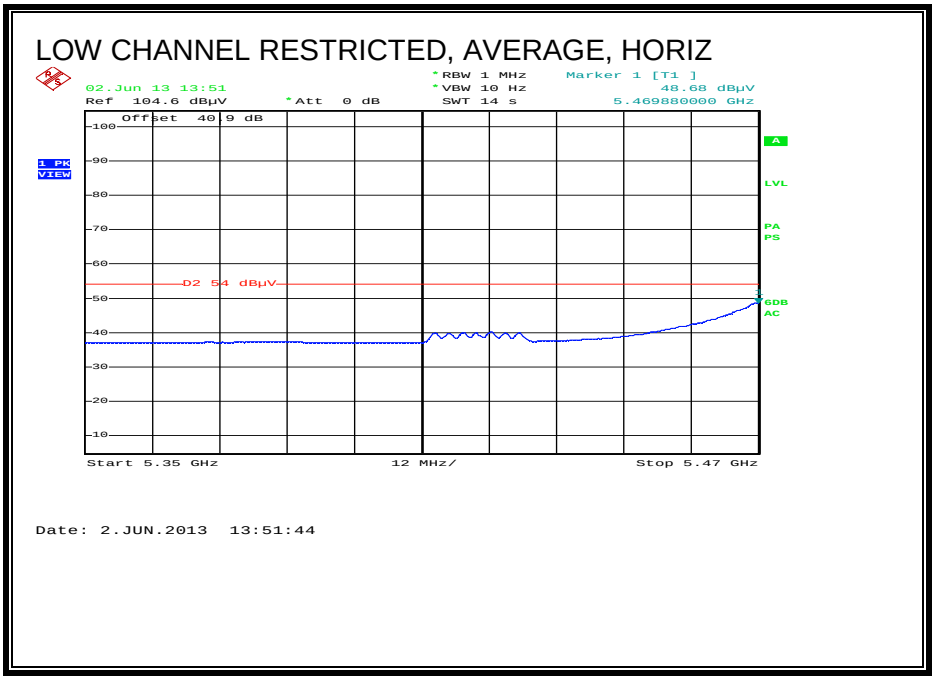
Vertical 5400 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
7	5706.747	39.53	PK	34.6	-35.5	7.5	1	47.13	-	-	68.2	-21.07	200	Vert

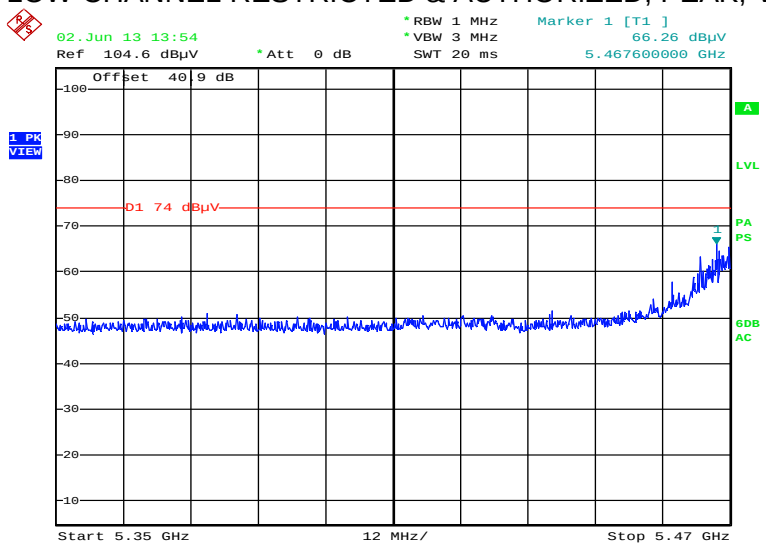
8.2.14. 802.11n HT20 CDD 2TX MODE, 5.6 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL)





LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT



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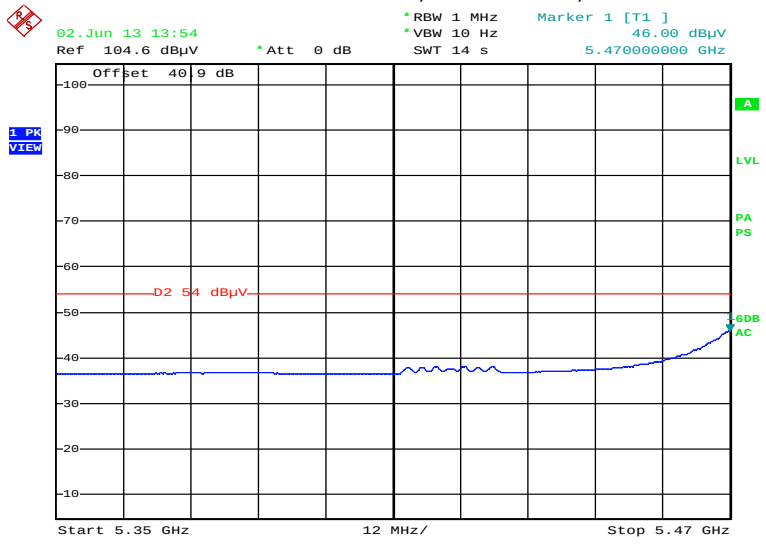
LOW CHANNEL RESTRICTED, AVERAGE, VERT



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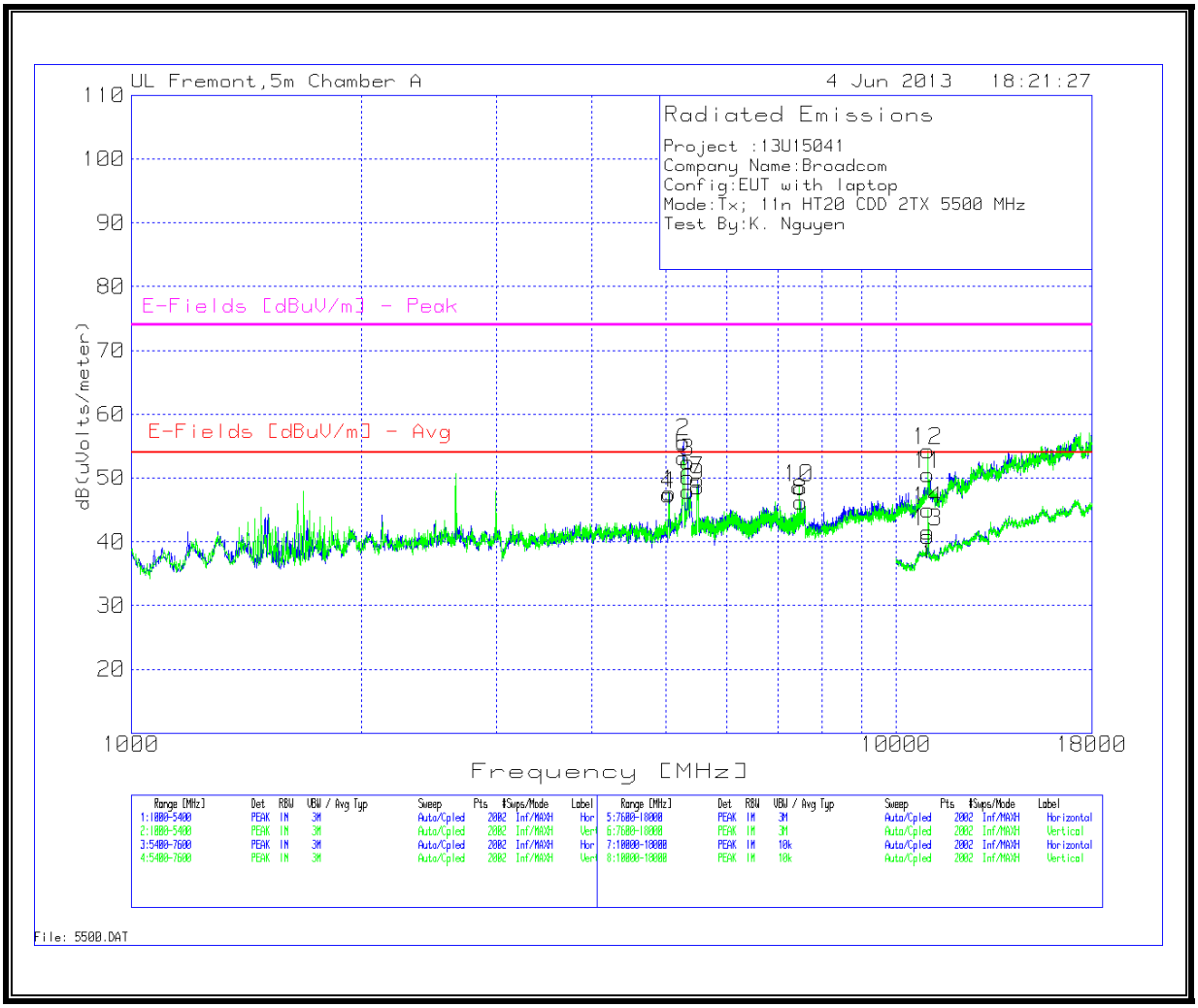
HARMONICS AND SPURIOUS EMISSIONS

Low Channel



Trace Markers

Horizontal 1000 - 5400MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	5045.977	42.28	PK	33.9	-35.6	6.9	0.2	47.68	54	-6.32	74	-26.32	100	Horz
2	5270.265	49.21	PK	34.3	-35.5	7.1	0.6	55.71	-	-	68.2	-12.49	100	Horz
3	5340.63	45.53	PK	34.3	-35.5	7.2	1	52.53	-	-	68.2	-15.67	100	Horz

Vertical 1000 - 5400MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
4	5039.38	42.02	PK	33.9	-35.6	6.9	0.1	47.32	54	-6.68	74	-26.68	100	Vert
5	5268.066	46.73	PK	34.3	-35.5	7.1	0.6	53.23	-	-	68.2	-14.97	100	Vert
6	5347.226	40.96	PK	34.3	-35.5	7.2	1	47.96	-	-	68.2	-20.24	100	Vert

Horizontal 5400 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
7	5497.851	42.5	PK	34.4	-35.5	7.3	1	49.7	-	-	68.2	-18.5	200	Horz
8	7508.746	37.67	PK	35.4	-35.8	8.8	0.2	46.27	54	-7.73	74	-27.73	200	Horz

Vertical 5400 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
9	5501.149	41.45	PK	34.4	-35.5	7.3	1	48.65	-	-	68.2	-19.55	200	Vert
10	7465.867	39.95	PK	35.4	-35.8	8.8	0.2	48.55	54	-5.45	74	-25.45	100	Vert

Horizontal 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
11	11009.495	37.23	PK	37.8	-35.6	10.9	0.2	50.53	54	-3.47	74	-23.47	200	Horz

Vertical 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
12	10993.903	40.88	PK	37.8	-35.6	10.9	0.3	54.28	54	0.28	74	-19.72	100	Vert

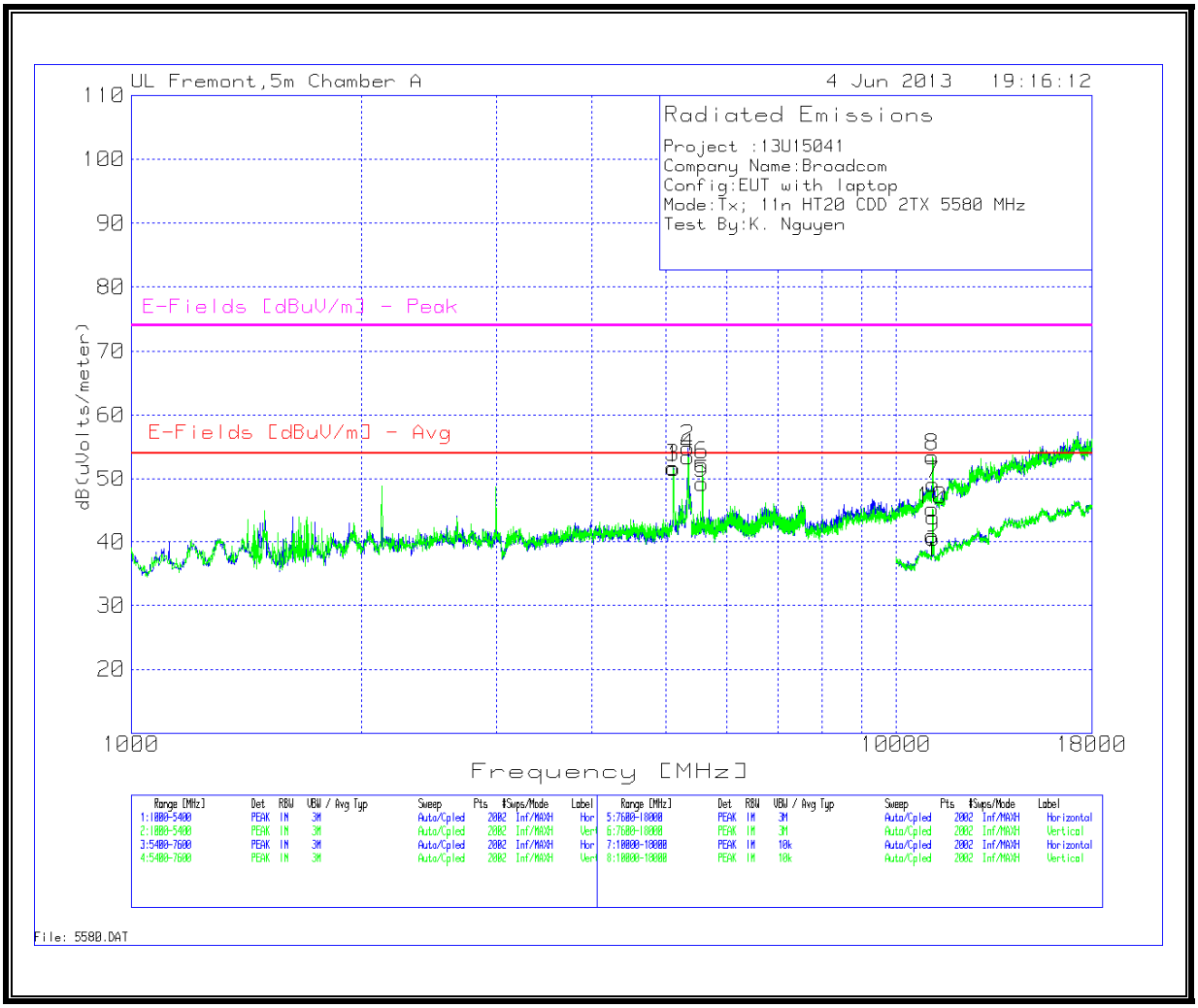
Horizontal 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
13	11009.495	28.15	PK	37.8	-35.6	10.9	0.3	41.55	54	-12.45	-	-	100	Horz

Vertical 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
14	10993.903	31.56	PK	37.8	-35.6	10.9	0.3	44.96	54	-9.04	-	-	100	Vert

Mid Channel



Trace Markers

Horizontal 1000 - 5400MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	5114.143	45.89	PK	34	-35.5	7	0.3	51.69	54	-2.31	74	-22.31	100	Horz
2	5347.226	47.9	PK	34.3	-35.5	7.2	1	54.9	-	-	68.2	-13.3	100	Horz

Vertical 1000 - 5400MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
3	5111.944	45.95	PK	34	-35.5	7	0.3	51.75	54	-2.25	74	-22.25	100	Vert
4	5342.829	46.5	PK	34.3	-35.5	7.2	1	53.5	-	-	68.2	-14.7	100	Vert

Horizontal 5400 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
5	5578.111	41.97	PK	34.4	-35.5	7.4	1	49.27	-	-	68.2	-18.93	200	Horz

Vertical 5400 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
6	5575.912	44.89	PK	34.4	-35.5	7.4	1	52.19	-	-	68.2	-16.01	200	Vert

Horizontal 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
7	11160.22	35.62	PK	37.9	-35.6	11	0.2	49.12	-	-	74	-24.88	100	Horz

Vertical 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
8	11155.022	39.94	PK	37.9	-35.6	11	0.2	53.44	-	-	74	-20.56	100	Vert

Horizontal 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
9	11159.42	27.1	PK	37.9	-35.6	11	0.2	40.6	54	-13.4	-	-	100	Horz

Vertical 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
10	11155.422	31.64	PK	37.9	-35.6	11	0.2	45.14	54	-8.86	-	-	100	Vert

Radiated Emission Data

Horizontal 1000 - 5400MHz

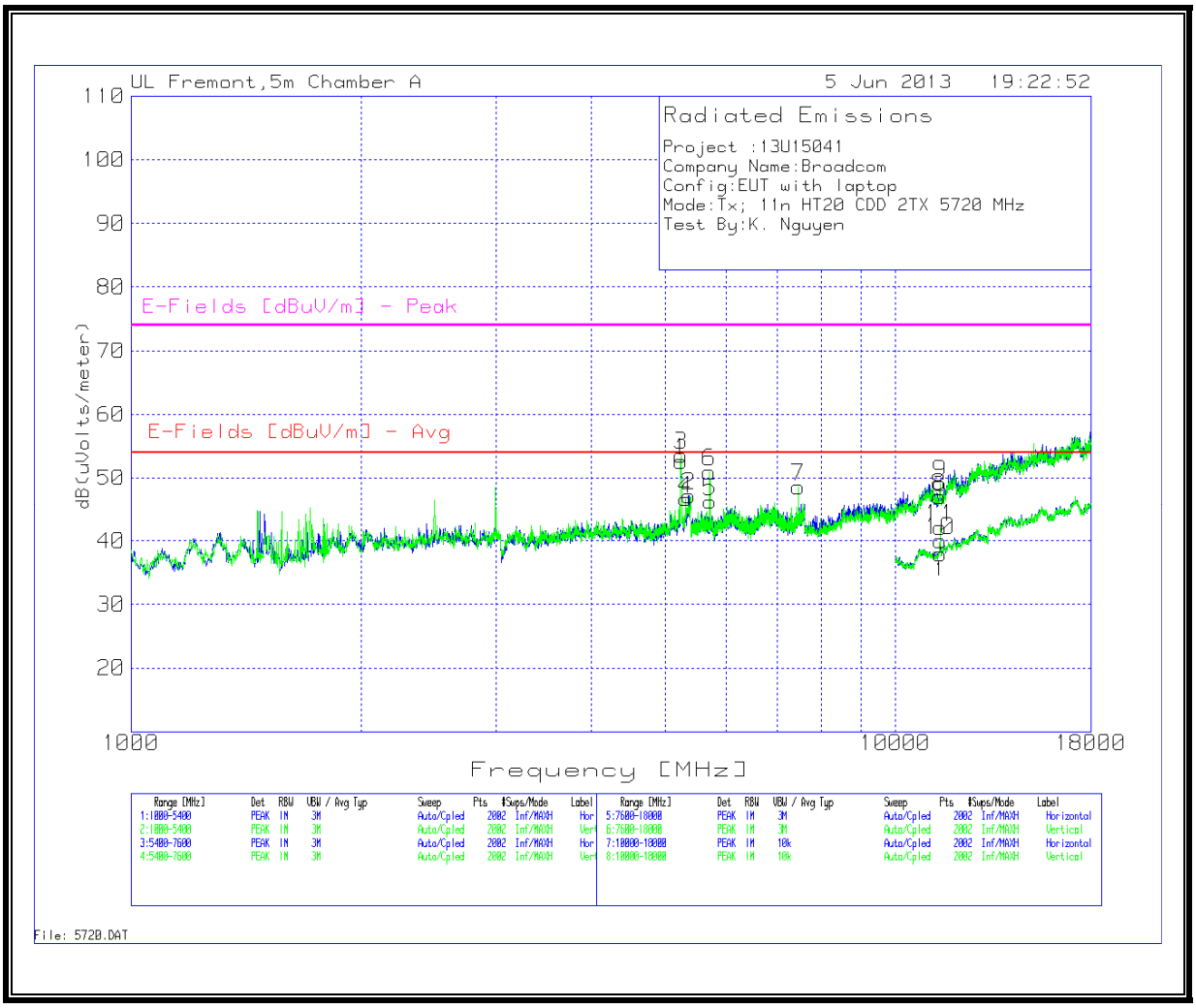
Test Frequency	Meter Reading (dBuV)	Detector	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T161 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
5116.24	38.95	VB1	34	-35.5	7	0.3	44.75	54	-9.25	-	-	288	114	Horz
5346.36	41.12	VB1	34.3	-35.5	7.2	1	48.12	54	-5.88	-	-	292	102	Horz

Vertical 1000 - 5400MHz

Test Frequency	Meter Reading (dBuV)	Detector	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T161 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
5117.58	36.94	VB1	34	-35.5	7	0.3	42.74	54	-11.26	-	-	123	110	Vert
5346.3	36.73	VB1	34.3	-35.5	7.2	1	43.73	54	-10.27	-	-	123	110	Vert

8.2.15. 802.11n HT20 CDD 2TX, 5.6 GHz BAND, CHANNEL 144 (5720MHz)

High Channel (Channel 144)



Trace Markers

Horizontal 1000 - 5400MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	5239.48	46.38	PK	34.2	-35.5	7.1	0.5	52.68	-	-	68.2	-15.52	100	Horz
2	5364.818	40.13	PK	34.4	-35.5	7.2	1	47.23	54	-6.77	74	-26.77	100	Horz

Vertical 1000 - 5400MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
3	5246.077	47.36	PK	34.2	-35.5	7.1	0.5	53.66	-	-	68.2	-14.54	100	Vert
4	5318.641	39.76	PK	34.3	-35.5	7.1	1	46.66	-	-	68.2	-21.54	100	Vert

Horizontal 5400 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
5	5721.039	38.69	PK	34.6	-35.5	7.5	1	46.29	-	-	68.2	-21.91	200	Horz

Vertical 5400 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
6	5713.343	43.39	PK	34.6	-35.5	7.5	1	50.99	-	-	68.2	-17.21	200	Vert
7	7465.867	40.08	PK	35.4	-35.8	8.8	0.2	48.68	54	-5.32	74	-25.32	100	Vert

Horizontal 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
8	11425.287	32.88	PK	38.2	-35.6	11.1	0.5	47.08	54	-6.92	74	-26.92	100	Horz

Vertical 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
9	11430.485	35	PK	38.2	-35.6	11.1	0.5	49.2	54	-4.8	74	-24.8	100	Vert

Horizontal 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
10	11443.278	25.96	PK	38.2	-35.6	11.1	0.4	40.06	54	-13.94	74	-33.94	200	Horz

Vertical 10000 - 18000MHz

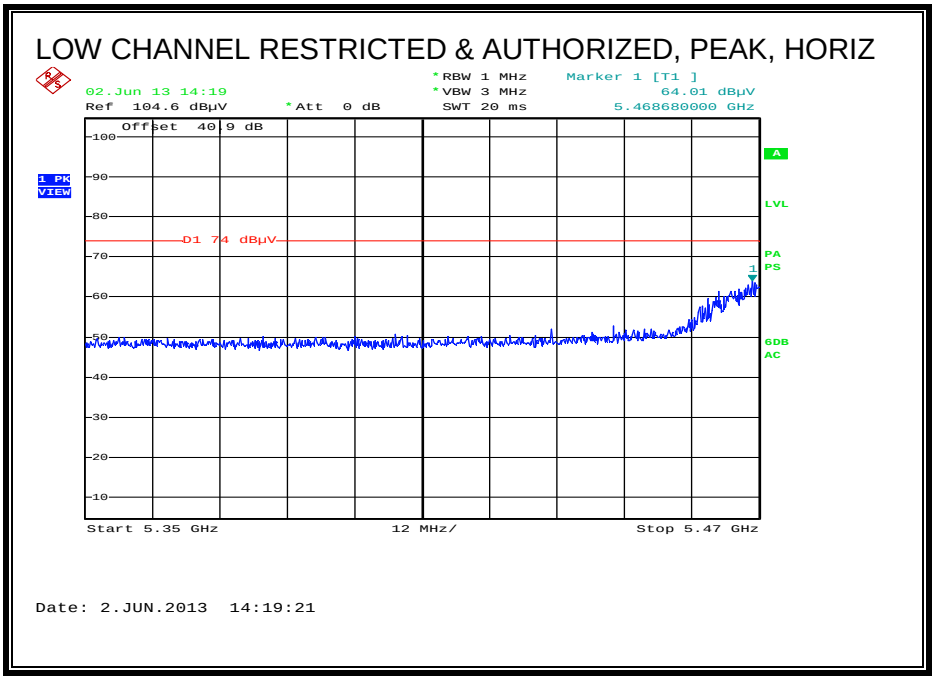
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/ meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
11	11443.278	27.95	PK	38.2	-35.6	11.1	0.4	42.05	54	-11.95	74	-31.95	100	Vert

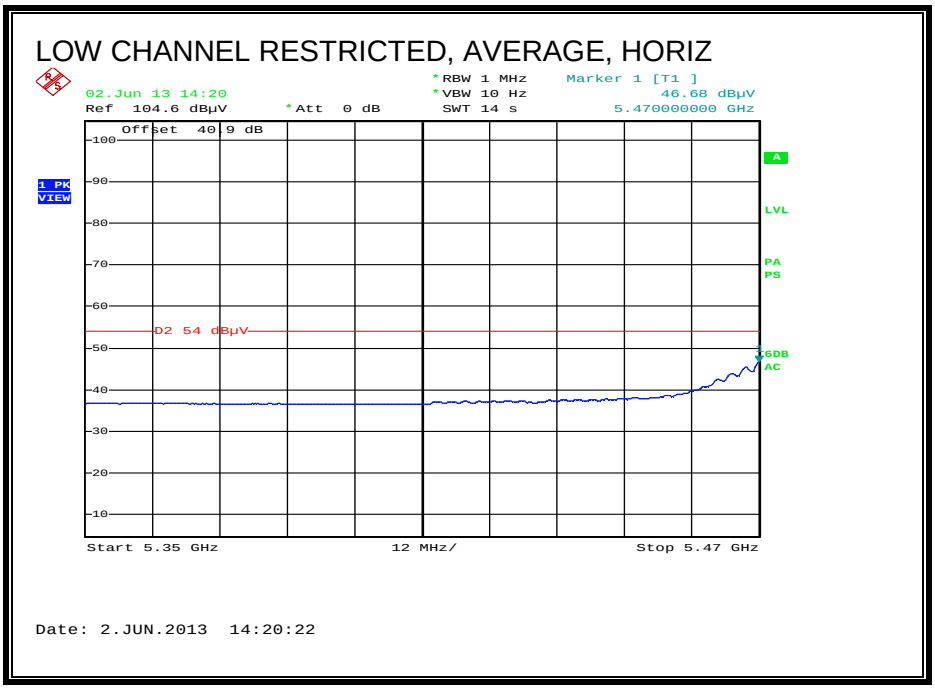
8.2.16. 802.11n HT40 CDD MCS0 1TX MODE IN THE 5.6 GHz BAND

Covered by testing to 11n HT40 CDD MCS0 2TX.

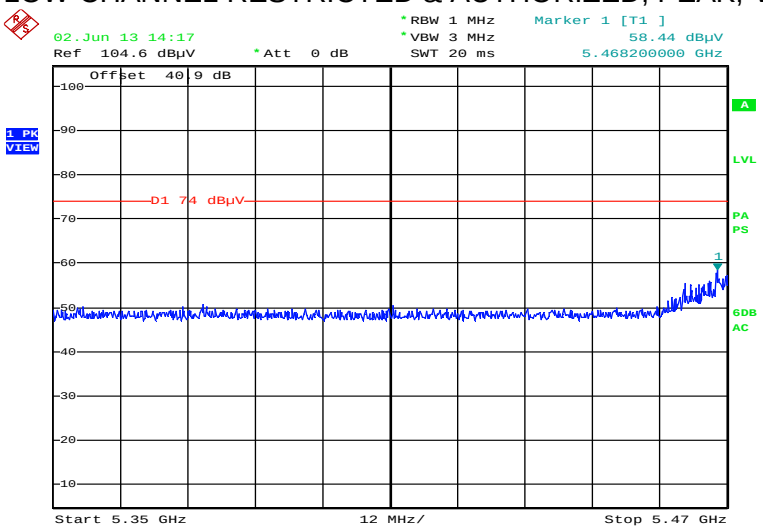
8.2.17. 802.11n HT40 CDD 2TX MODE, 5.6 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL)





LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT



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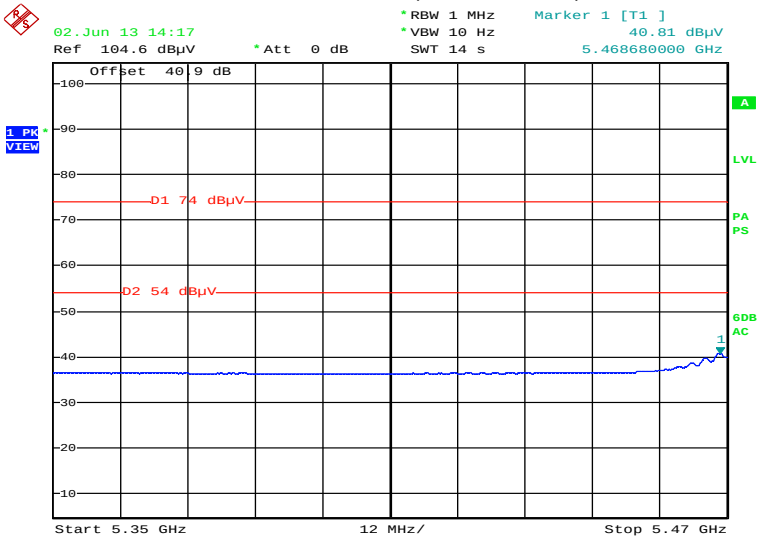
LOW CHANNEL RESTRICTED, AVERAGE, VERT



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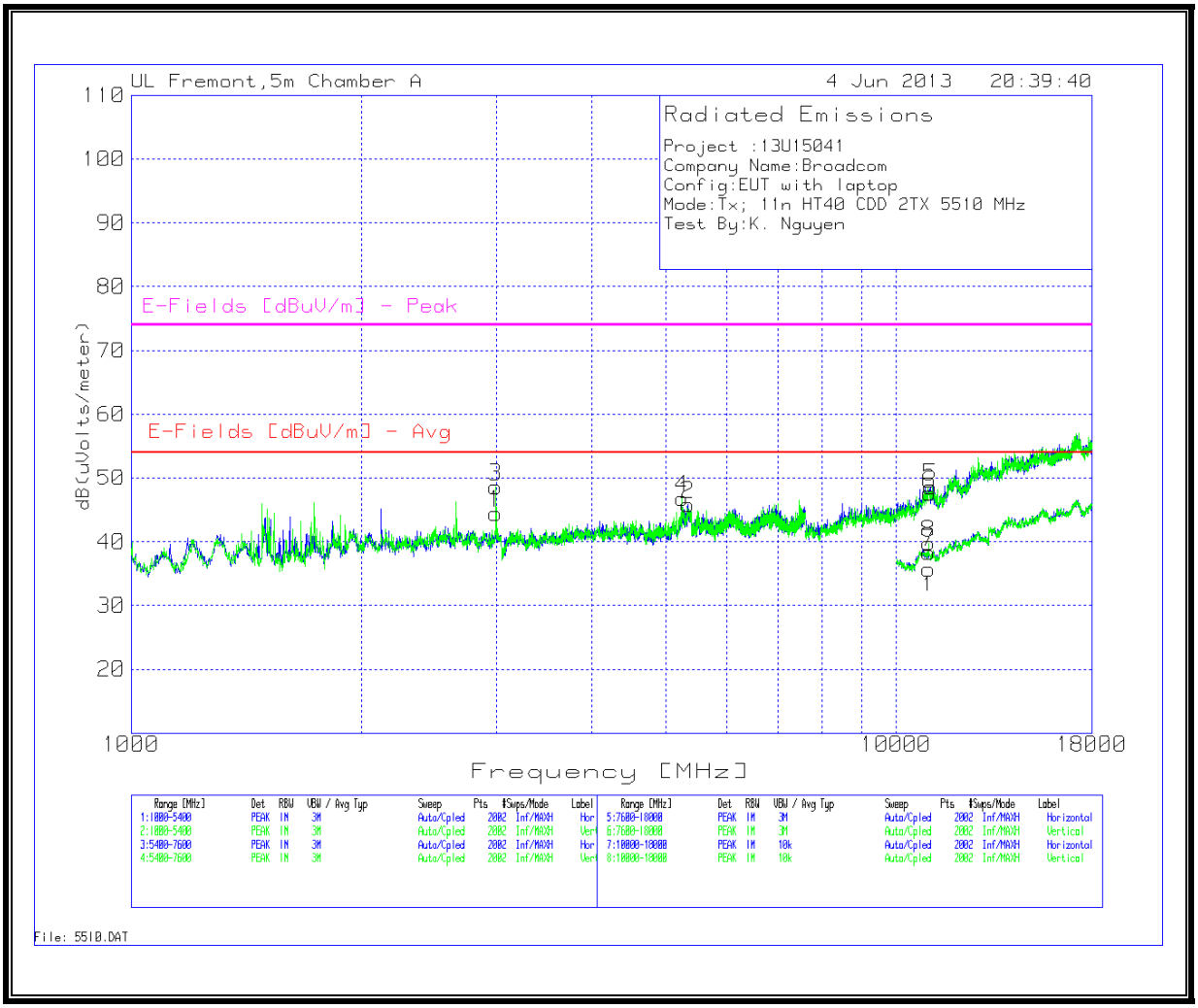
HARMONICS AND SPURIOUS EMISSIONS

Low Channel



Trace Markers

Horizontal 1000 - 5400MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	2998.801	43.39	PK	32.7	-36.7	5	0.1	44.49	-	-	68.2	-23.71	200	Horz
2	5345.027	38.9	PK	34.3	-35.5	7.2	1	45.9	-	-	68.2	-22.3	100	Horz

Vertical 1000 - 5400MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
3	2998.801	47.55	PK	32.7	-36.7	5	0.1	48.65	-	-	68.2	-19.55	100	Vert
4	5250.475	40.36	PK	34.3	-35.5	7.1	0.5	46.76	-	-	68.2	-21.44	100	Vert

Horizontal 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
5	11087.456	35.06	PK	37.8	-35.6	11	0.3	48.56	54	-5.44	74	-25.44	100	Horz

Vertical 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
6	11040.68	34.28	PK	37.8	-35.6	10.9	0.2	47.58	54	-6.42	74	-26.42	200	Vert

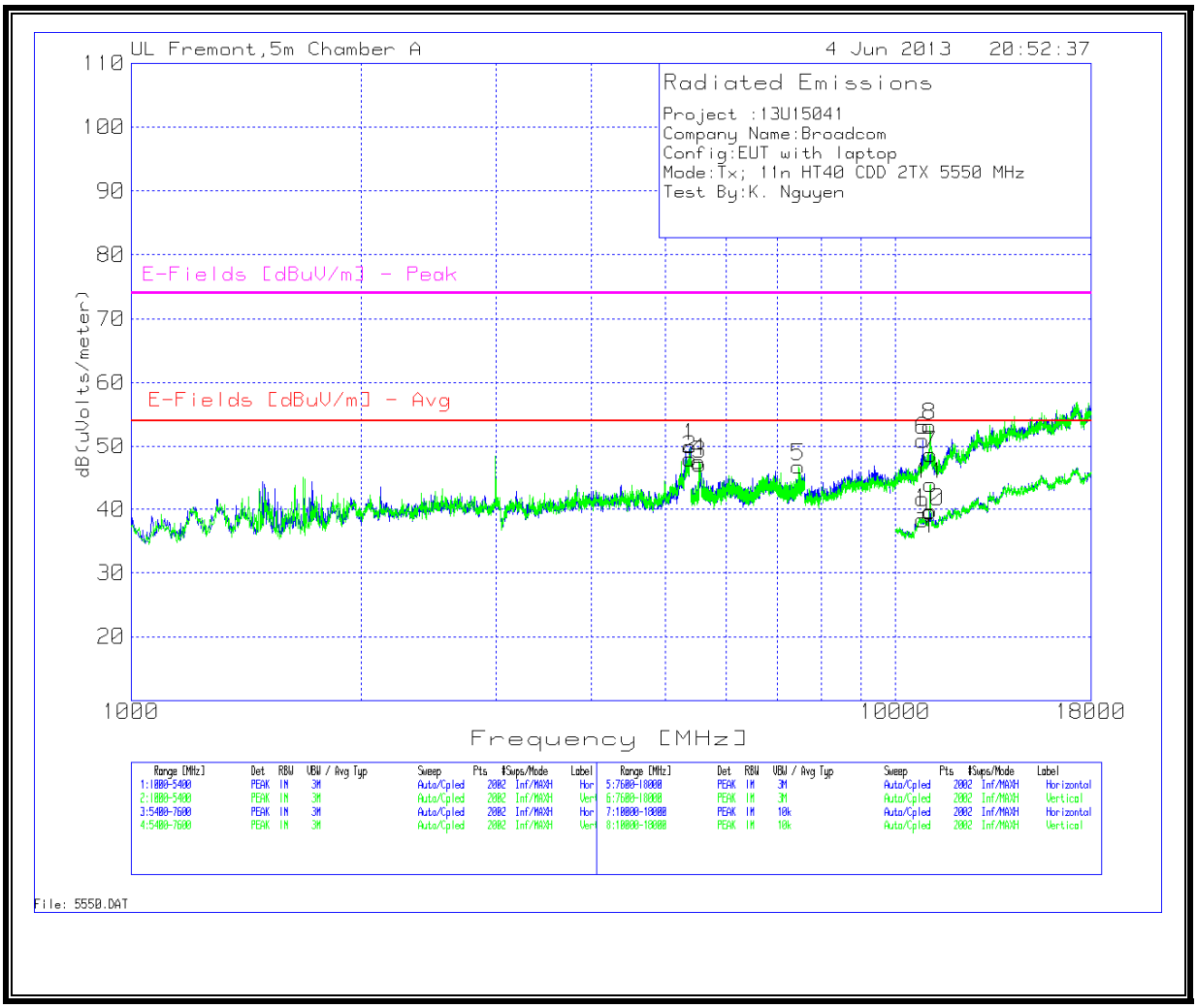
Horizontal 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
7	11023.488	25.1	PK	37.8	-35.6	10.9	0.2	38.4	54	-15.6	74	-35.6	200	Horz

Vertical 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
8	11019.49	26.52	PK	37.8	-35.6	10.9	0.2	39.82	54	-14.18	74	-34.18	100	Vert

Mid Channel



Trace Markers

Horizontal 1000 - 5400MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	5384.608	42.97	PK	34.4	-35.5	7.2	1	50.07	54	-3.93	74	-23.93	100	Horz

Vertical 1000 - 5400MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
2	5378.011	40.97	PK	34.4	-35.5	7.2	1	48.07	54	-5.93	74	-25.93	100	Vert

Horizontal 5400 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
3	5545.127	40.01	PK	34.4	-35.5	7.3	1	47.21	-	-	68.2	-20.99	200	Horz

Vertical 5400 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
4	5533.033	40.43	PK	34.4	-35.5	7.3	1	47.63	-	-	68.2	-20.57	200	Vert
5	7466.967	38.24	PK	35.4	-35.8	8.8	0.2	46.84	54	-7.16	74	-27.16	100	Vert

Horizontal 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
6	10858.771	37.51	PK	37.9	-35.7	10.8	0.5	51.01	54	-2.99	74	-22.99	100	Horz
7	11103.048	35.37	PK	37.8	-35.6	11	0.2	48.77	54	-5.23	74	-25.23	100	Horz

Vertical 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
8	11092.654	39.73	PK	37.8	-35.6	11	0.2	53.13	54	-0.87	74	-20.87	100	Vert

Horizontal 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
9	10863.568	24.94	PK	37.9	-35.7	10.8	0.4	38.34	54	-15.66	74	-35.66	200	Horz
10	11091.454	26.11	PK	37.8	-35.6	11	0.3	39.61	54	-14.39	74	-34.39	100	Horz

Vertical 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
11	11103.448	30.46	PK	37.8	-35.6	11	0.2	43.86	54	-10.14	74	-30.14	100	Vert

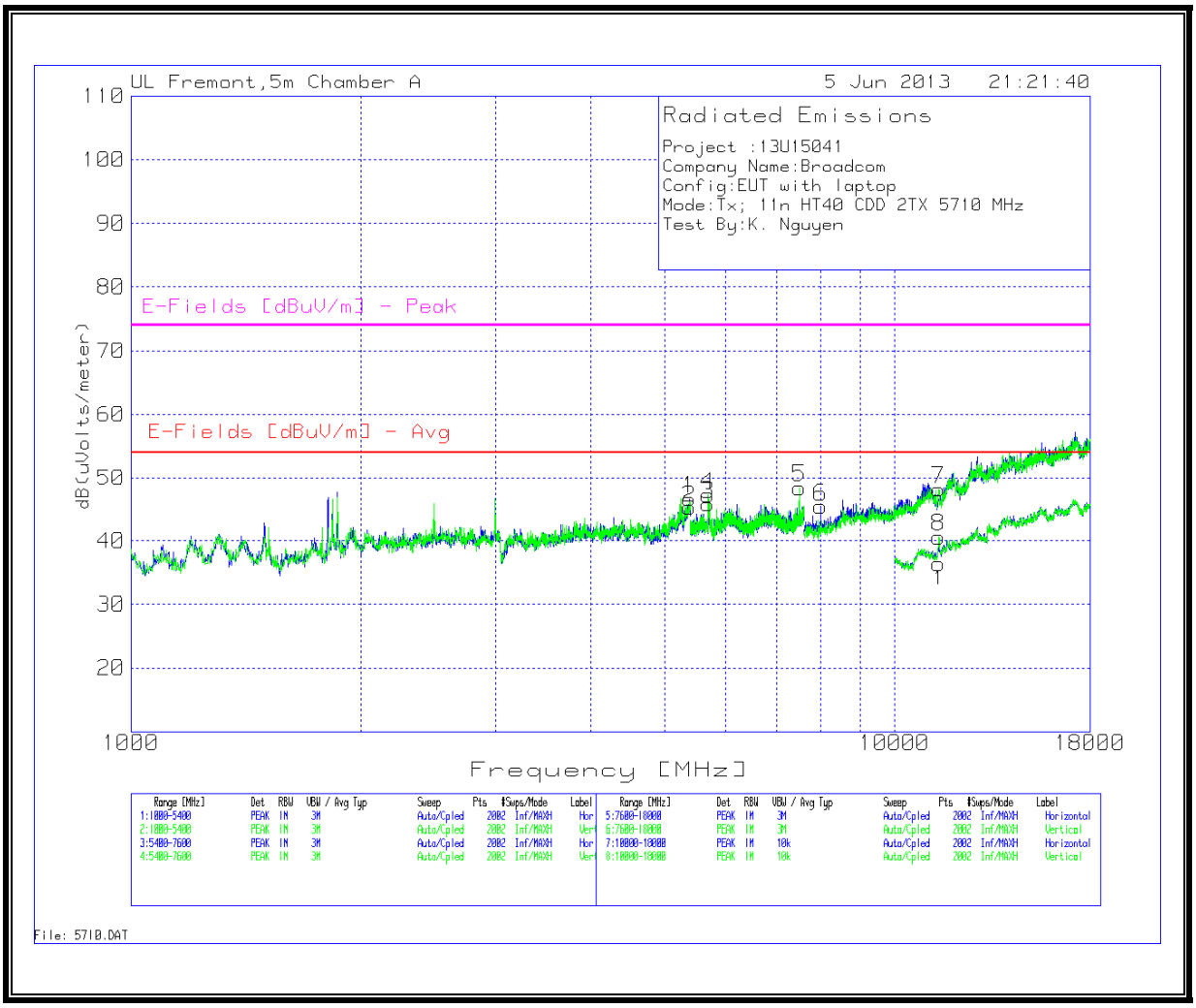
Radiated Emission Data

Horizontal 1000 - 5400MHz

Test Frequency	Meter Reading (dBuV)	Detector	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T161 BRF [dB]	Corrected Reading dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
5386.04	33.29	VB1	34.4	-35.5	7.2	1	40.39	54	-13.61	74	-33.61	289	107	Horz

8.2.18. 802.11n HT40 CDD 2TX, 5.6 GHz BAND, CHANNEL 142 (5710MHz)

High Channel (Channel 142)



Trace Markers

Horizontal 1000 - 5400MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	5378.011	39.54	PK	34.4	-35.5	7.2	1	46.64	54	-7.36	74	-27.36	100	Horz

Vertical 1000 - 5400MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
2	5382.409	38.13	PK	34.4	-35.5	7.2	1	45.23	54	-8.77	74	-28.77	100	Vert

Horizontal 5400 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
3	5696.852	38.29	PK	34.6	-35.5	7.5	1	45.89	-	-	68.2	-22.31	200	Horz

Vertical 5400 - 7600MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
4	5694.653	39.71	PK	34.6	-35.5	7.5	1	47.31	-	-	68.2	-20.89	200	Vert
5	7495.552	39.83	PK	35.4	-35.8	8.8	0.2	48.43	54	-5.57	74	-25.57	100	Vert

Horizontal 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
6	8000.2	36.1	PK	35.5	-35.9	9.2	0.5	45.4	-	-	68.2	-22.8	100	Horz

Vertical 7600 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
7	11422.689	34.07	PK	38.2	-35.6	11.1	0.5	48.27	54	-5.73	74	-25.73	100	Vert

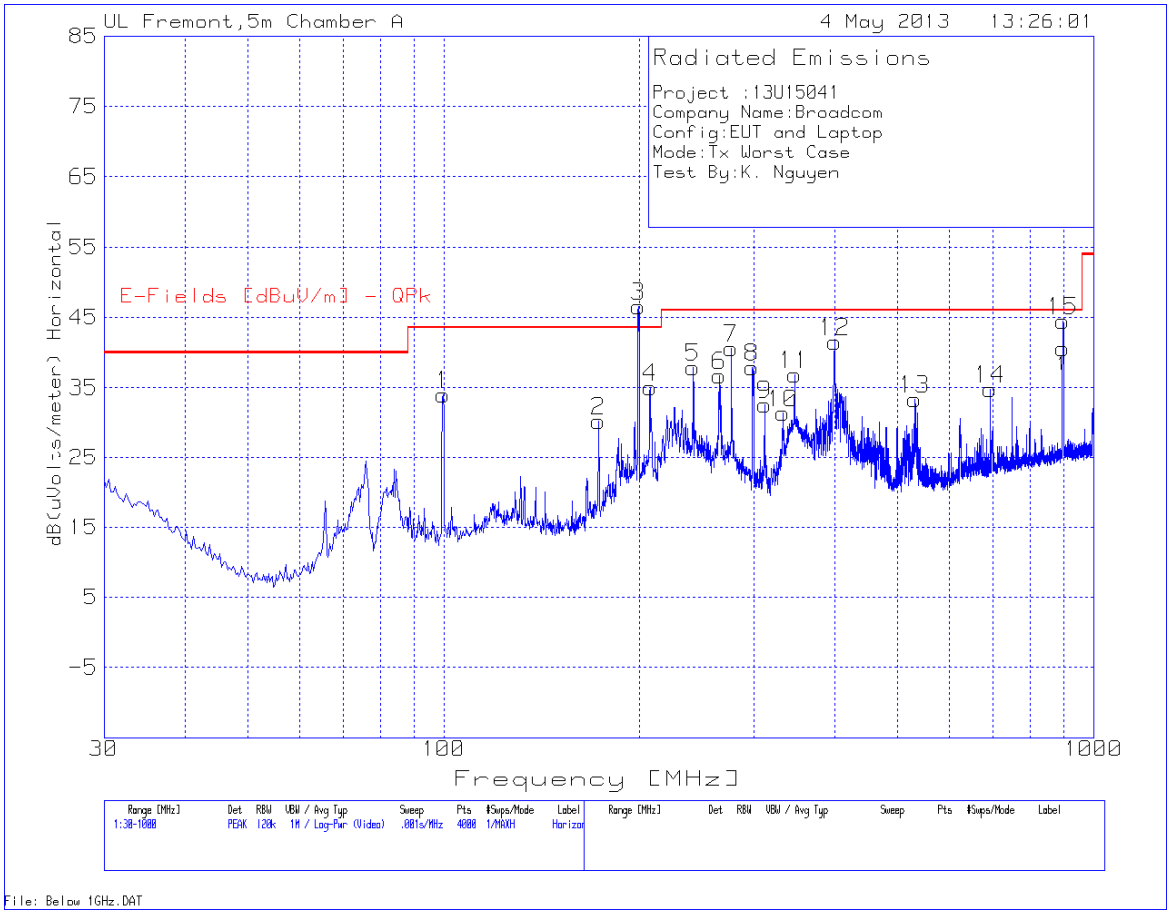
Vertical 10000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
8	11419.29	26.39	PK	38.2	-35.6	11.1	0.5	40.59	54	-13.41	74	-33.41	100	Vert

8.3. WORST-CASE BELOW 1 GHz

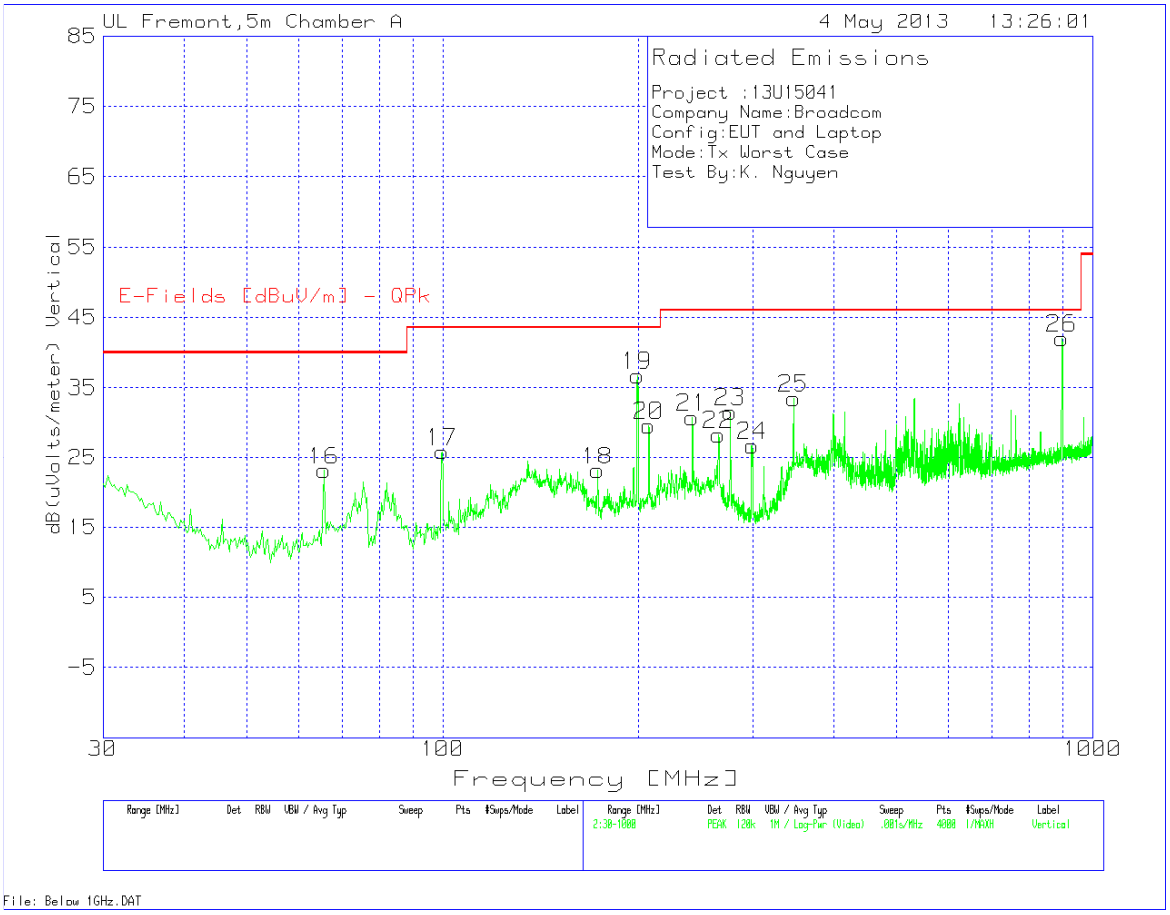
SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)

HORIZONTAL PLOT



SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, VERTICAL)

VERTICAL PLOT



HORIZTONAL & VERTICAL DATA

Project :13U15041
Company Name:Broadcom
Config:EUT and Laptop
Mode:Tx Worst Case
Test By:K. Nguyen

Horizontal 30 - 1000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T185 Antenna Factor dB/m	T64 preamp/ cable loss [dB]	dB(uVolts/ meter)	E-Fields Limit [dBuV/m] - QPk	Margin (dB)	Polarity
1	99.7877	51.03	PK	10	-27	34.03	43.52	-9.49	Horz
2	173.2101	45.45	PK	11.3	-26.5	30.25	43.52	-13.27	Horz
3	199.1381	34.2	QP	12.1	-26.2	20.3	43.52	-23.22	Horz
4	207.8616	50.61	PK	10.7	-26.3	35.01	43.52	-8.51	Horz
5	242.2708	52.24	PK	11.6	-26	37.84	46.02	-8.18	Horz
6	265.5334	50.02	PK	12.8	-26.1	36.72	46.02	-9.3	Horz
7	277.1646	53.26	PK	13.3	-26	40.56	46.02	-5.46	Horz
8	298.731	50.39	PK	13.3	-25.8	37.89	46.02	-8.13	Horz
9	311.8161	44.67	PK	13.6	-25.7	32.57	46.02	-13.45	Horz
10	333.1401	43.05	PK	13.9	-25.6	31.35	46.02	-14.67	Horz
11	346.4676	48.13	PK	14.2	-25.5	36.83	46.02	-9.19	Horz
12	399.7777	51.17	PK	15.5	-25.2	41.47	46.02	-4.55	Horz
13	531.1142	39.62	PK	18	-24.3	33.32	46.02	-12.7	Horz
14	692.9828	37.83	PK	20.1	-23.1	34.83	46.02	-11.19	Horz
15	896.0455	26.45	QP	22	-22.6	25.85	46.02	-20.17	Horz

Vertical 30 - 1000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T185 Antenna Factor dB/m	T64 preamp/ cable loss [dB]	dB(uVolts/ meter)	E-Fields Limit [dBuV/m] - QPk	Margin (dB)	Polarity
16	65.6208	42.72	PK	7.8	-27.4	23.12	40	-16.88	Vert
17	99.7877	42.84	PK	10	-27	25.84	43.52	-17.68	Vert
18	173.2101	38.32	PK	11.3	-26.5	23.12	43.52	-20.4	Vert
19	199.1381	50.79	PK	12.1	-26.2	36.69	43.52	-6.83	Vert
20	207.6193	45.12	PK	10.8	-26.3	29.62	43.52	-13.9	Vert
21	242.2708	45.18	PK	11.6	-26	30.78	46.02	-15.24	Vert
22	265.291	41.56	PK	12.8	-26.1	28.26	46.02	-17.76	Vert
23	277.1646	44.2	PK	13.3	-26	31.5	46.02	-14.52	Vert
24	299.7002	39.28	PK	13.3	-25.8	26.78	46.02	-19.24	Vert
25	346.4676	44.75	PK	14.2	-25.5	33.45	46.02	-12.57	Vert
26	896.2878	26.39	QP	22	-22.7	25.79	46.02	-20.23	Vert

PK - Peak detector
QP - Quasi-Peak detector
LnAv - Linear Average detector
LgAv - Log Average detector
Av - Average detector
CAV - CISPR Average detector
RMS - RMS detection
CRMS - CISPR RMS detection
PK1 - KDB 789033 v01r02 G)5) Method: Peak
AD1 - KDB 789033 v01r02 G)6) Method: AD Primary Power Average
VB1 - KDB 789033 v01r02 G)6) Method: VB Alternative Reduced Video
PK2 - KDB558074 v02 10.2.3.2/8.1.1 Method: Maximum Peak
MAv1 - KDB558074 v02 10.2.3.2/8.2.1 Option 1 Maximum RMS Average
MAv2 - KDB558074 v02 10.2.3.3/8.2.2 Option 2 Slow Sweep RMS Average