Appendix_to_1-2846/16-02-04-B

CETECOM ICT Services is now

CTC advanced member of RWTÜV group

This test report annex is electronically signed and valid without handwriting signature. For verification of the electronic signatures, the public keys can be requested at the testing laboratory.

Appendix authorized:

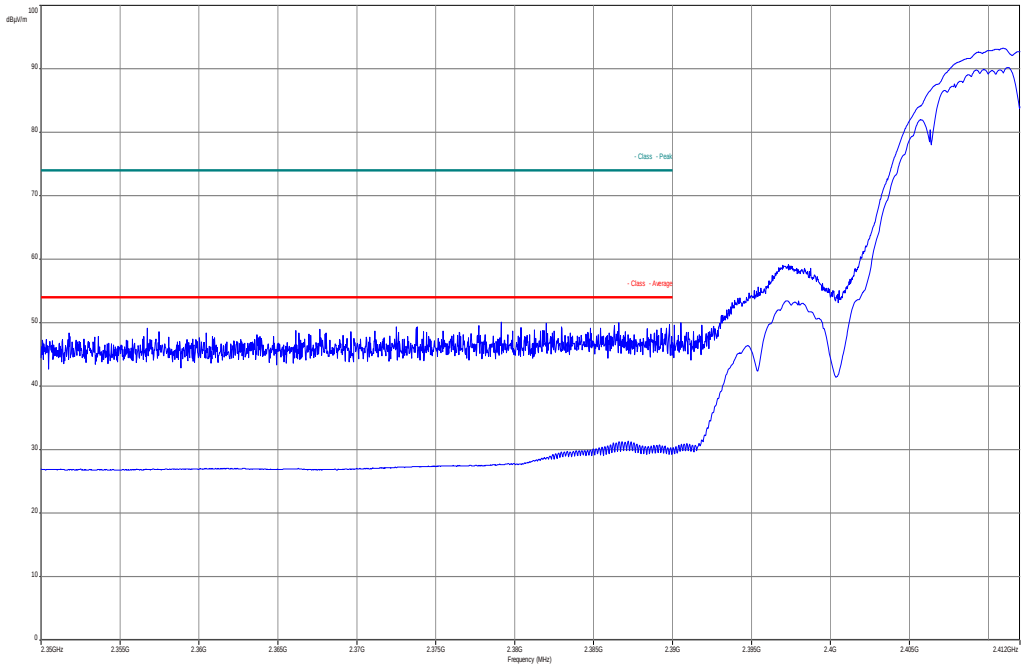
cn=Stefan Boes, o=CTC advanced GmbH, ou=BOE-161129, email=Stefan.Boes@ctcadvanced.com, c=DE
2017.04.20 08:31:40 +02'00'

Stefan Boes
Lab Manager
Radio Communications & EMC

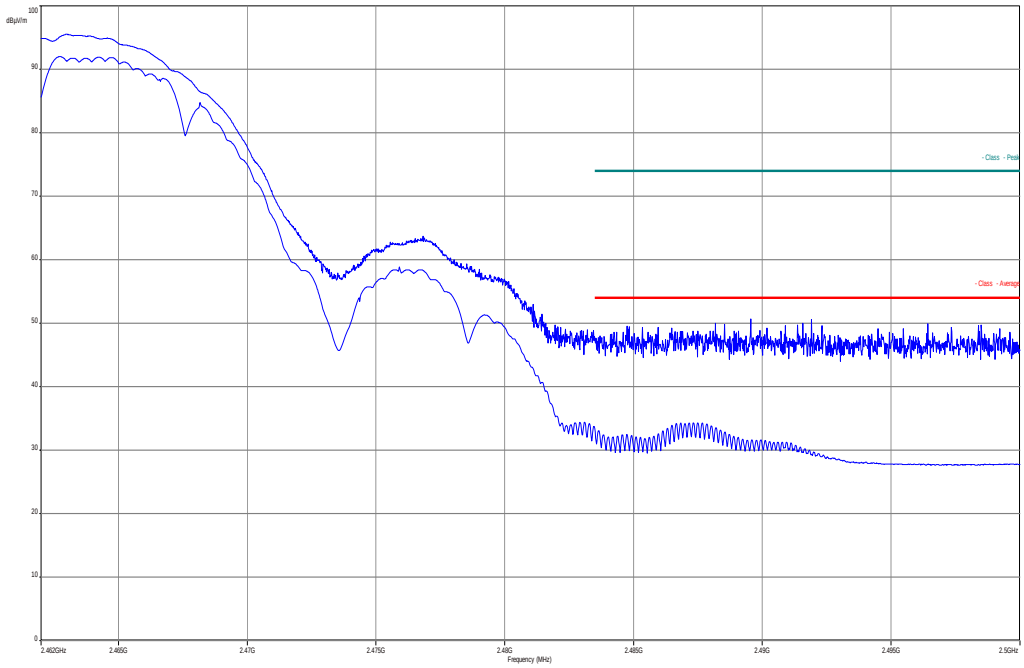
1 Band edge compliance radiated

Plots: DSSS/ b – mode peak / average (ANT M3002-66494)

Plot 1: TX mode, lower band edge, vertical & horizontal polarization

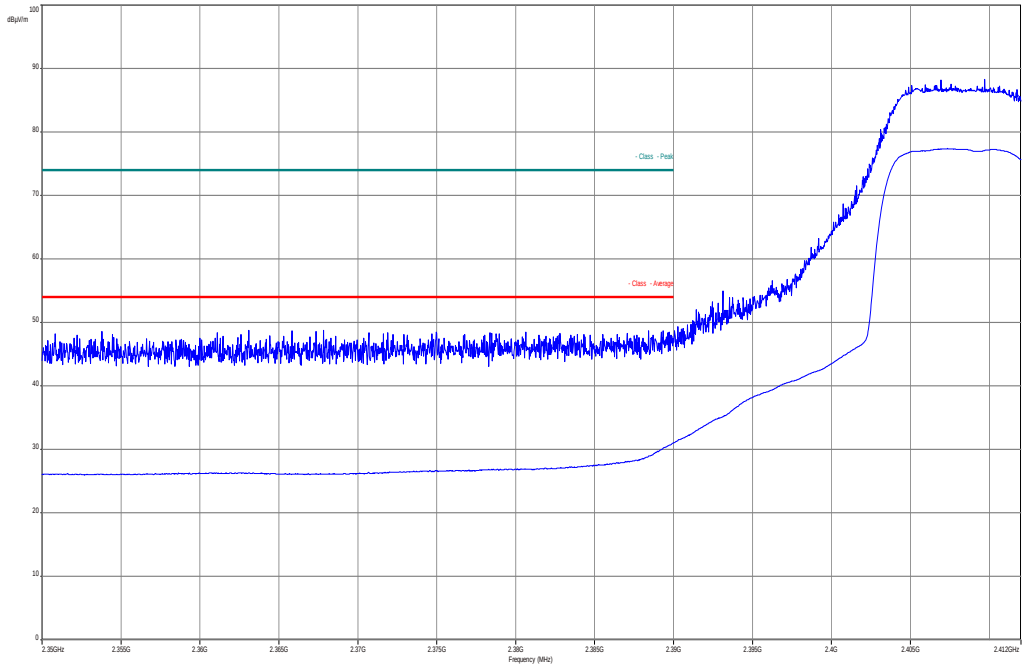


Plot 2: TX mode, upper band edge, vertical & horizontal polarization

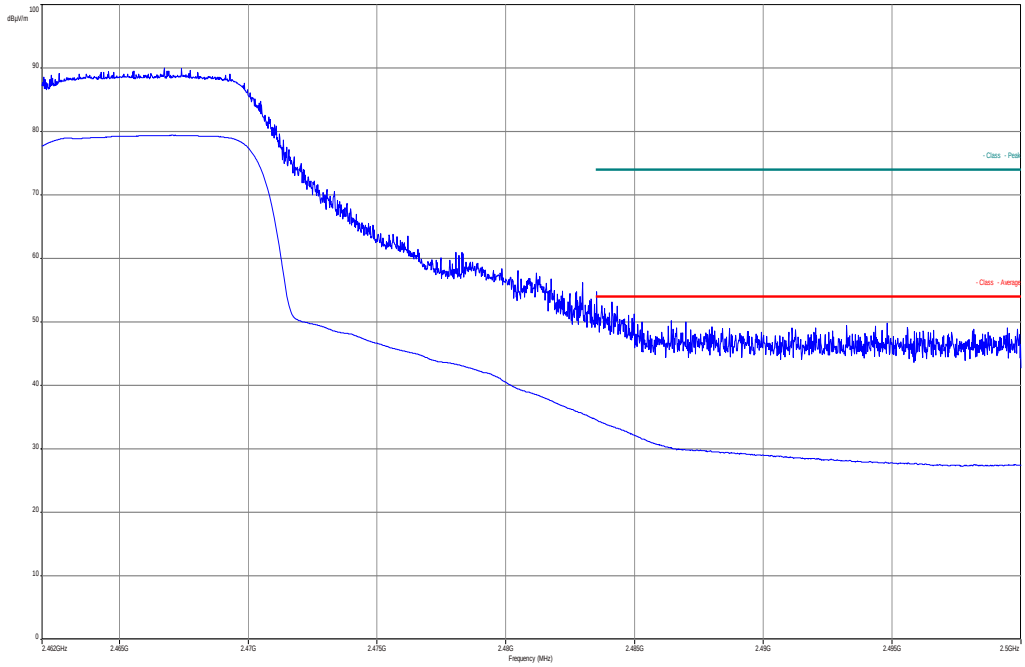


Plots: OFDM / g – mode peak / average (ANT M3002-66494)

Plot 1: TX mode, lower band edge, vertical & horizontal polarization

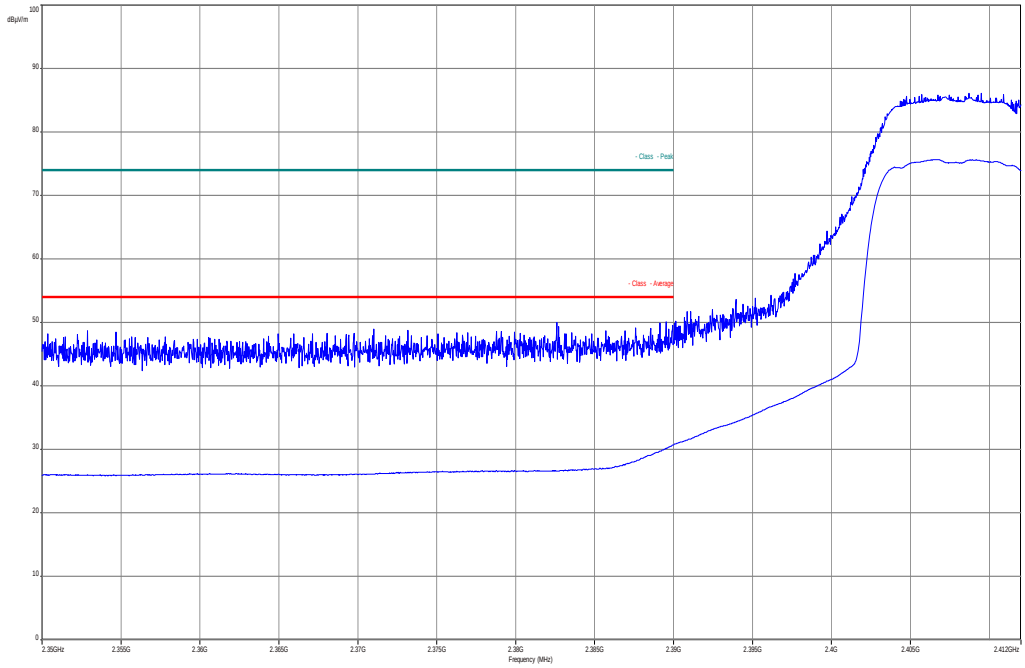


Plot 2: TX mode, upper band edge, vertical & horizontal polarization

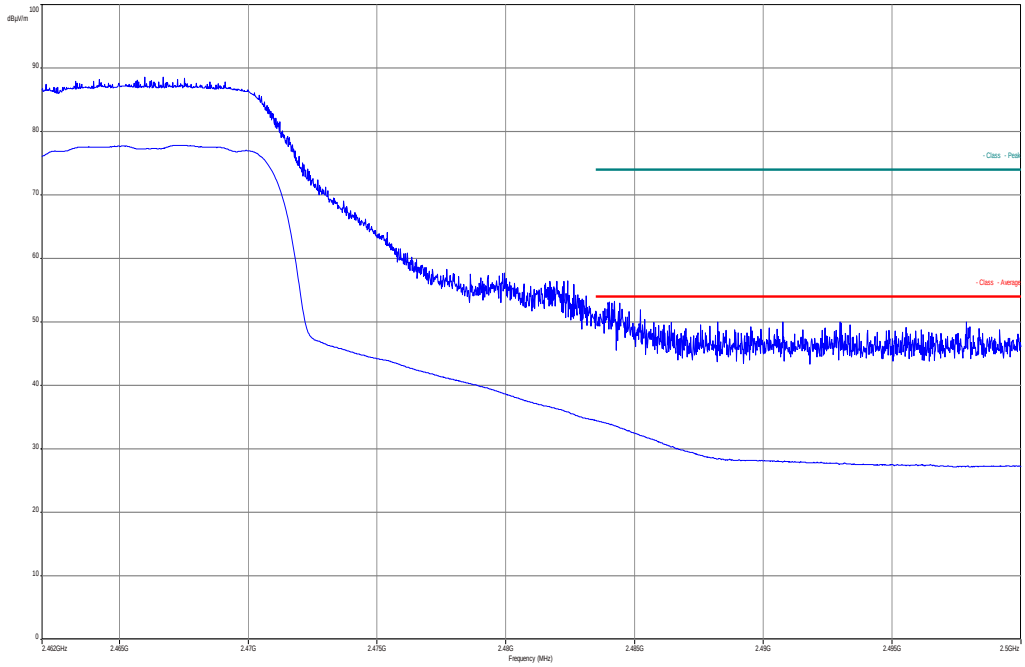


Plots: OFDM / n – mode HT20 - peak / average (ANT M3002-66494)

Plot 1: TX mode, lower band edge, vertical & horizontal polarization

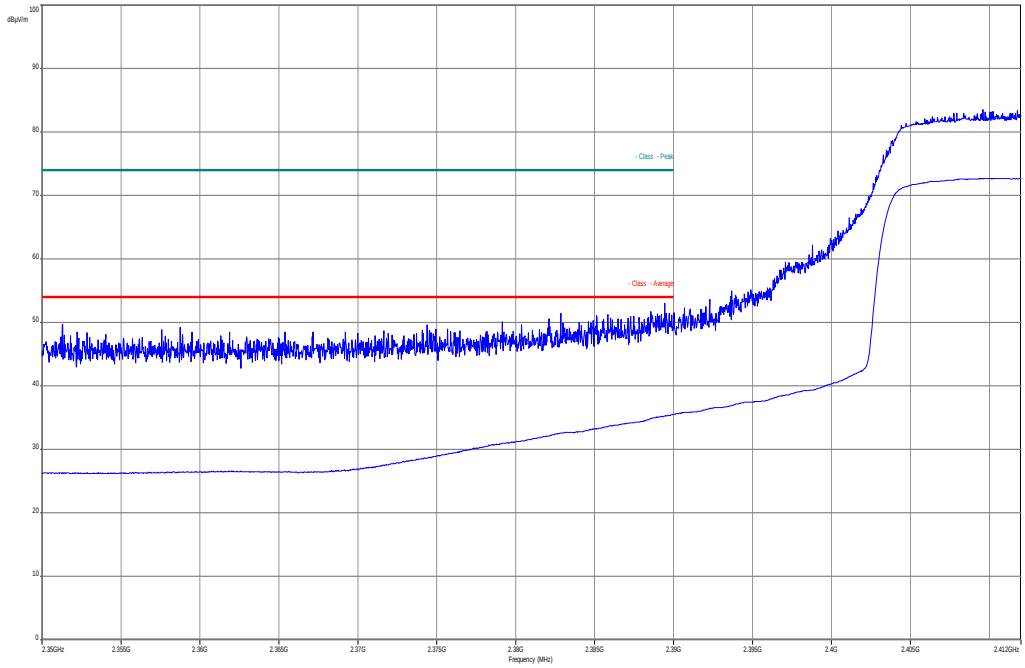


Plot 2: TX mode, upper band edge, vertical & horizontal polarization

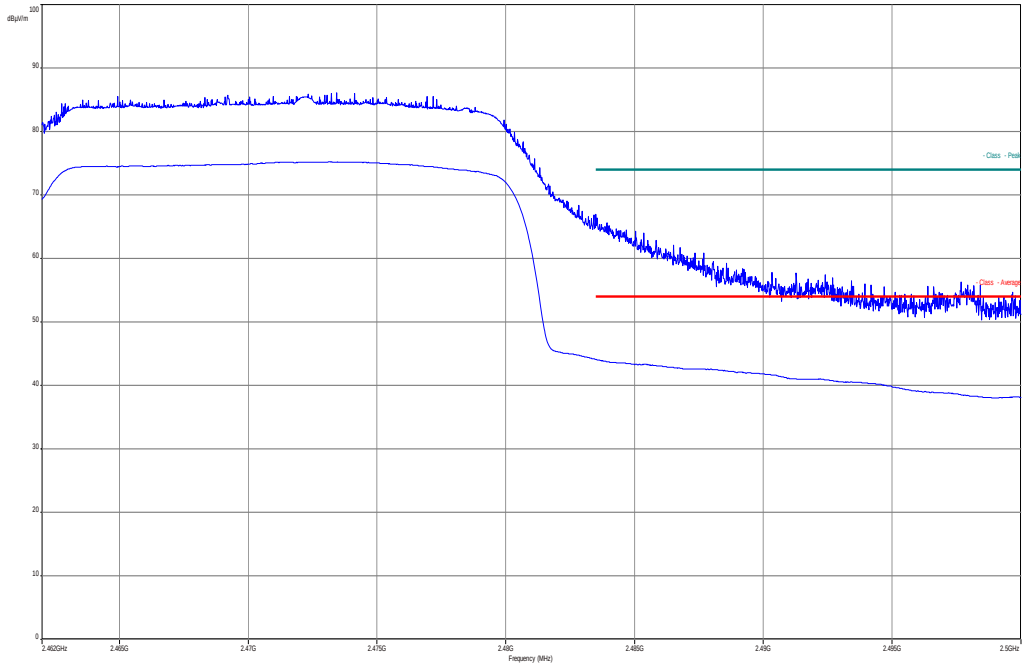


Plots: OFDM / n – mode HT40 - peak / average (ANT M3002-66494)

Plot 1: TX mode, lower band edge, vertical & horizontal polarization

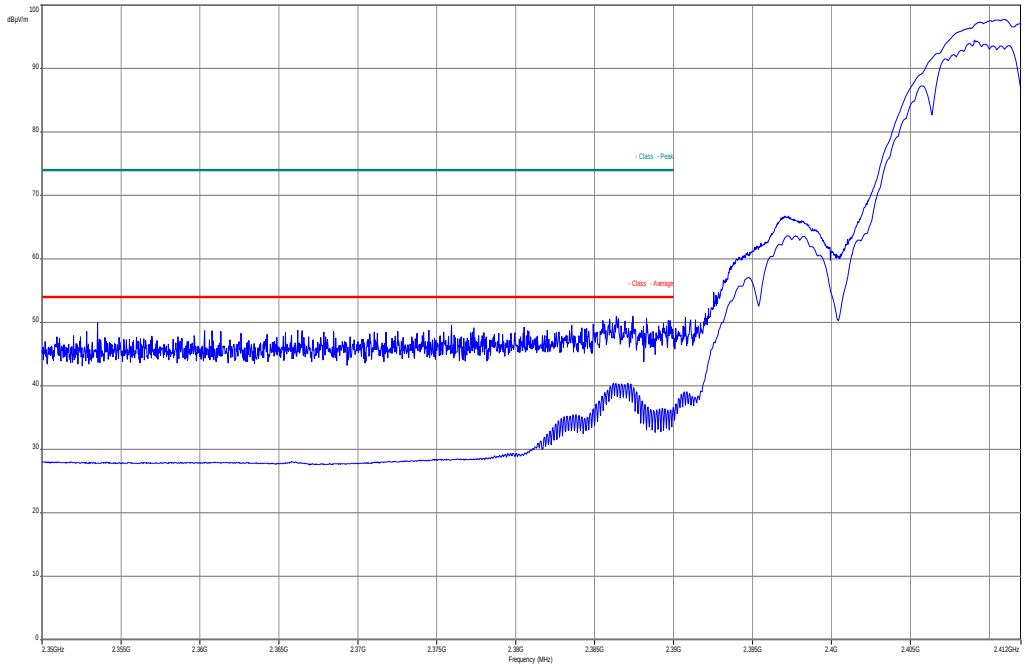


Plot 2: TX mode, upper band edge, vertical & horizontal polarization

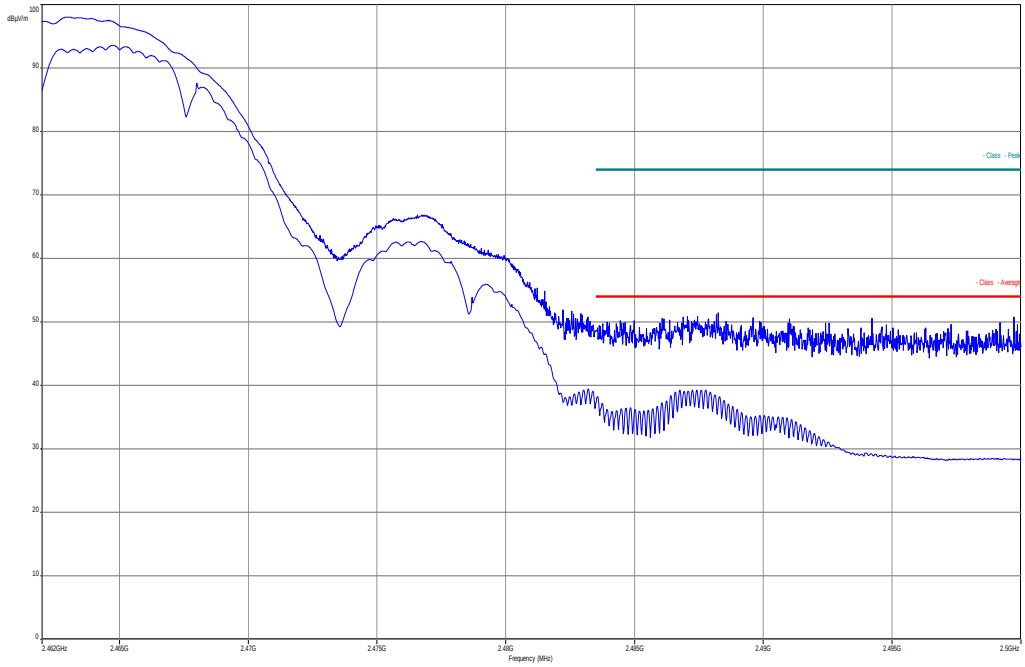


Plots: DSSS/ b – mode peak / average (ANT 453564154611)

Plot 1: TX mode, lower band edge, vertical & horizontal polarization

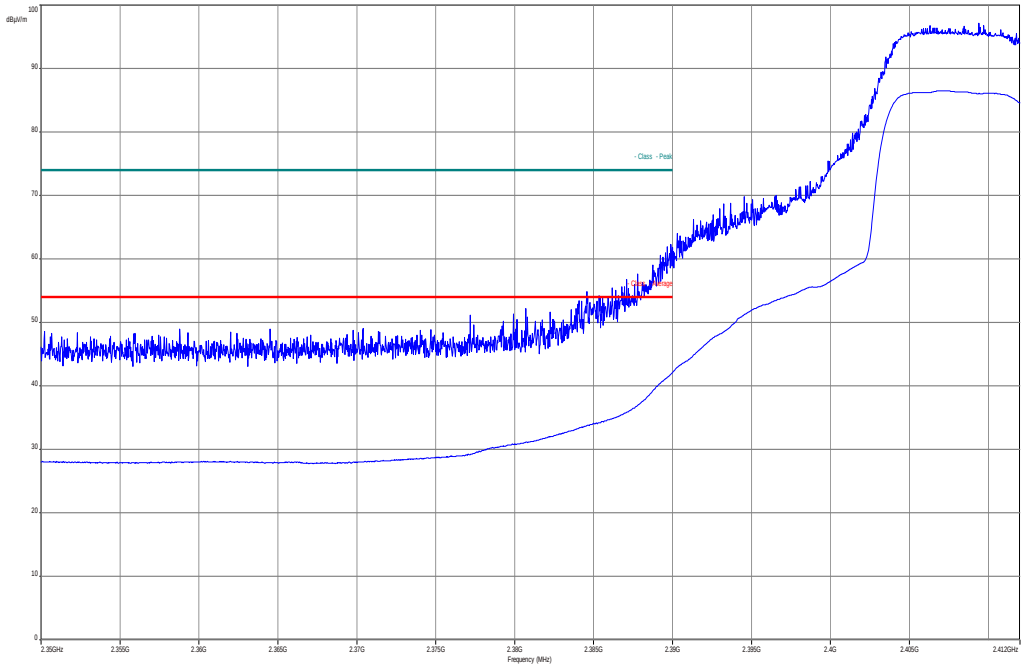


Plot 2: TX mode, upper band edge, vertical & horizontal polarization

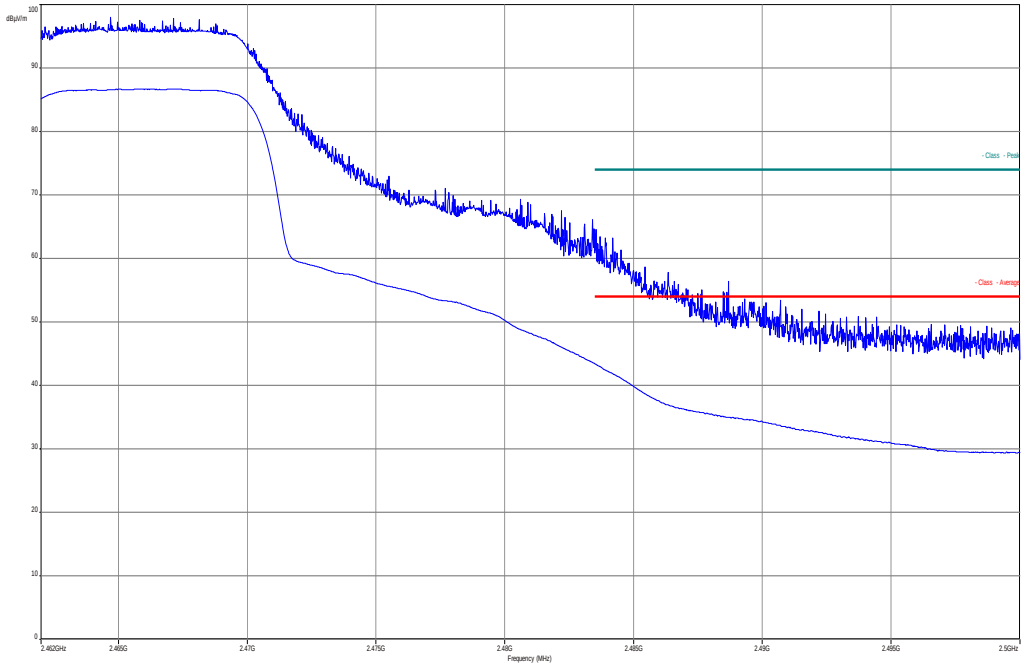


Plots: OFDM / g – mode peak / average (ANT 453564154611)

Plot 1: TX mode, lower band edge, vertical & horizontal polarization

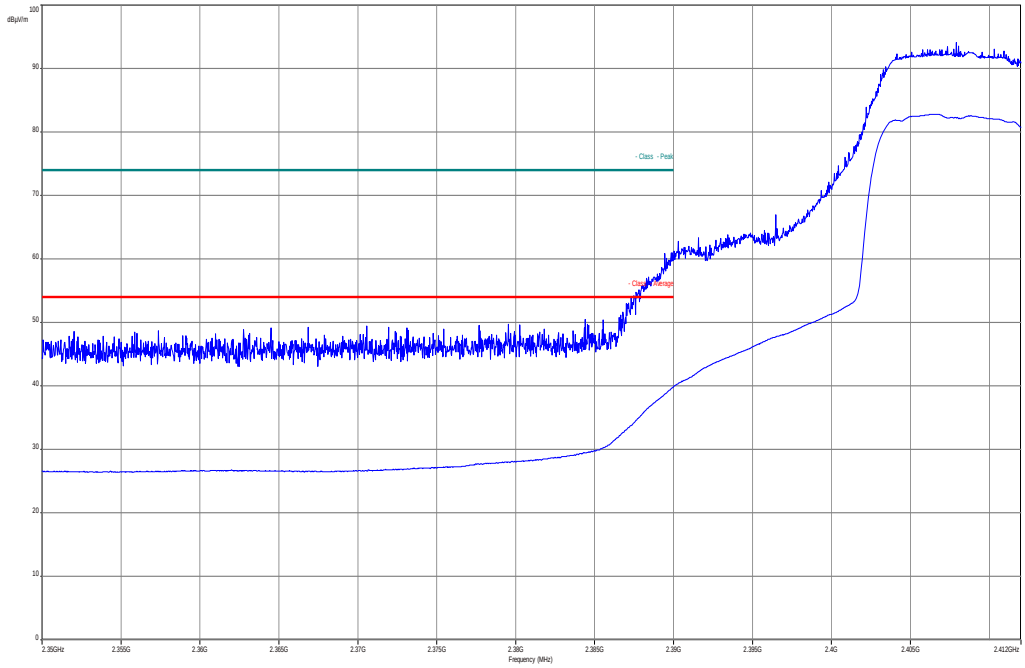


Plot 2: TX mode, upper band edge, vertical & horizontal polarization

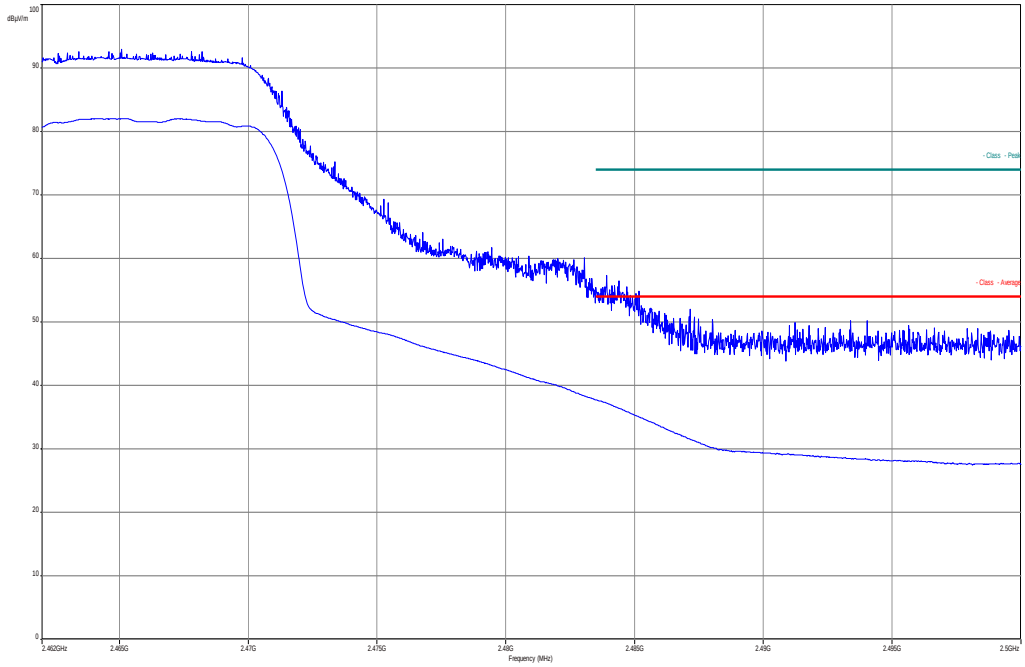


Plots: OFDM / n – mode HT20 - peak / average (ANT 453564154611)

Plot 1: TX mode, lower band edge, vertical & horizontal polarization

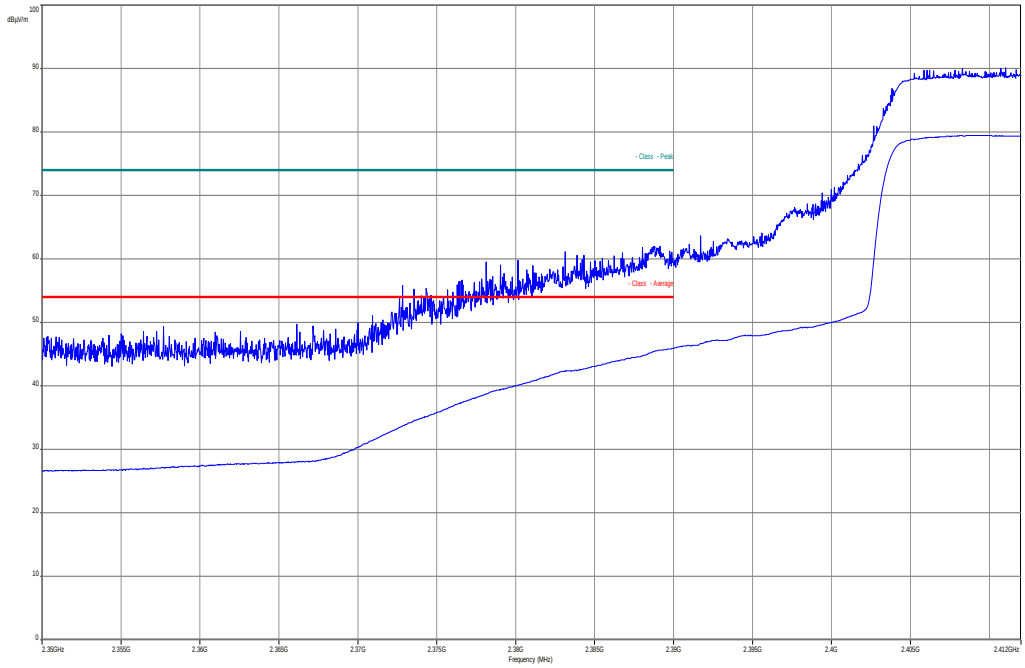


Plot 2: TX mode, upper band edge, vertical & horizontal polarization

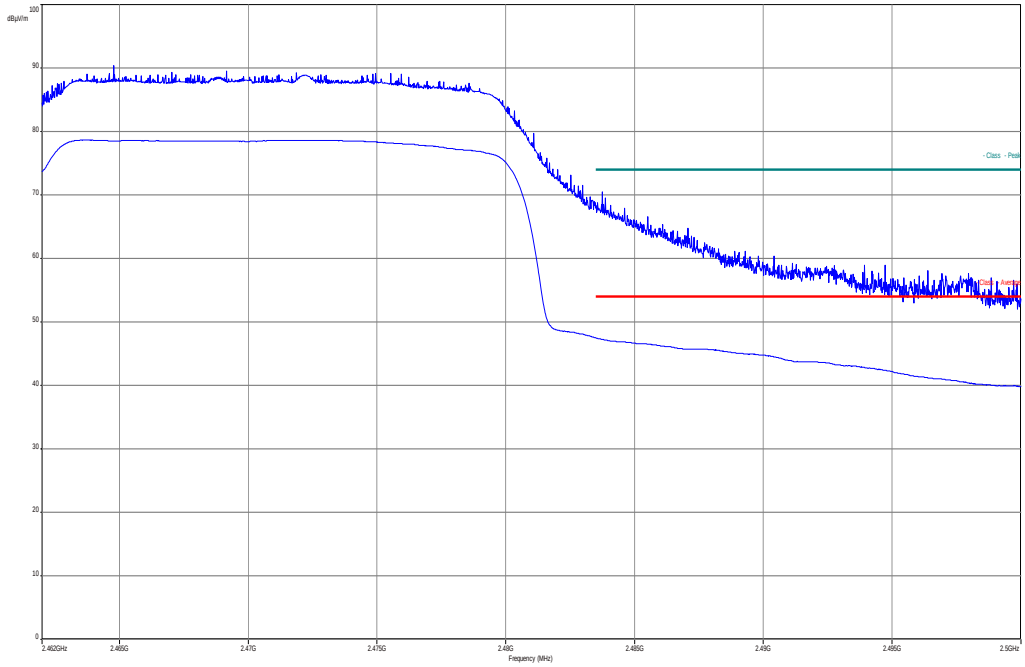


Plots: OFDM / n – mode HT40 - peak / average (ANT 453564154611)

Plot 1: TX mode, lower band edge, vertical & horizontal polarization

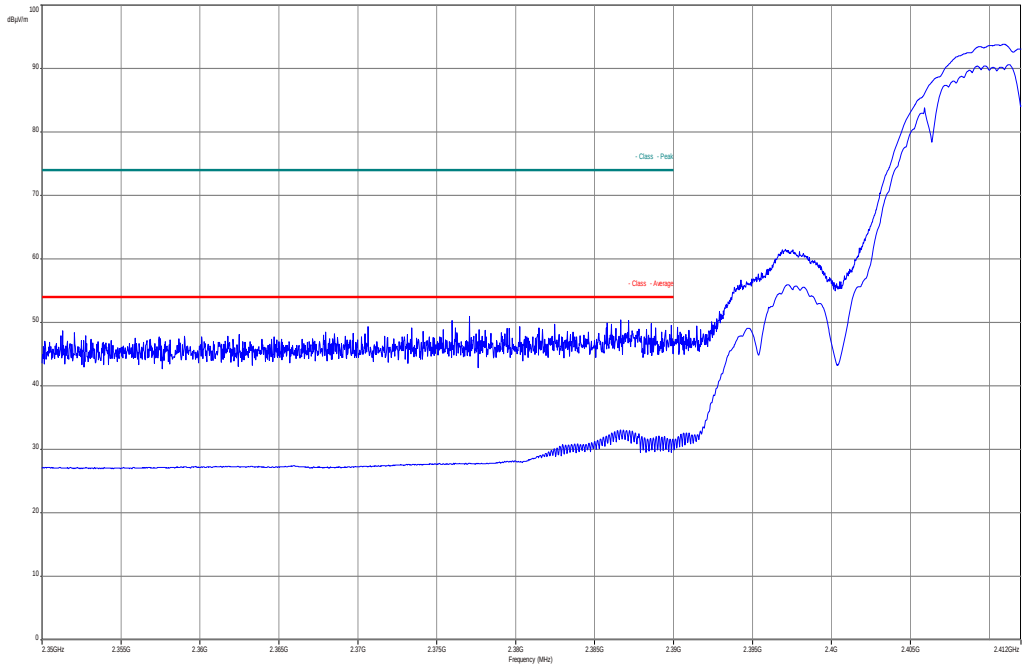


Plot 2: TX mode, upper band edge, vertical & horizontal polarization

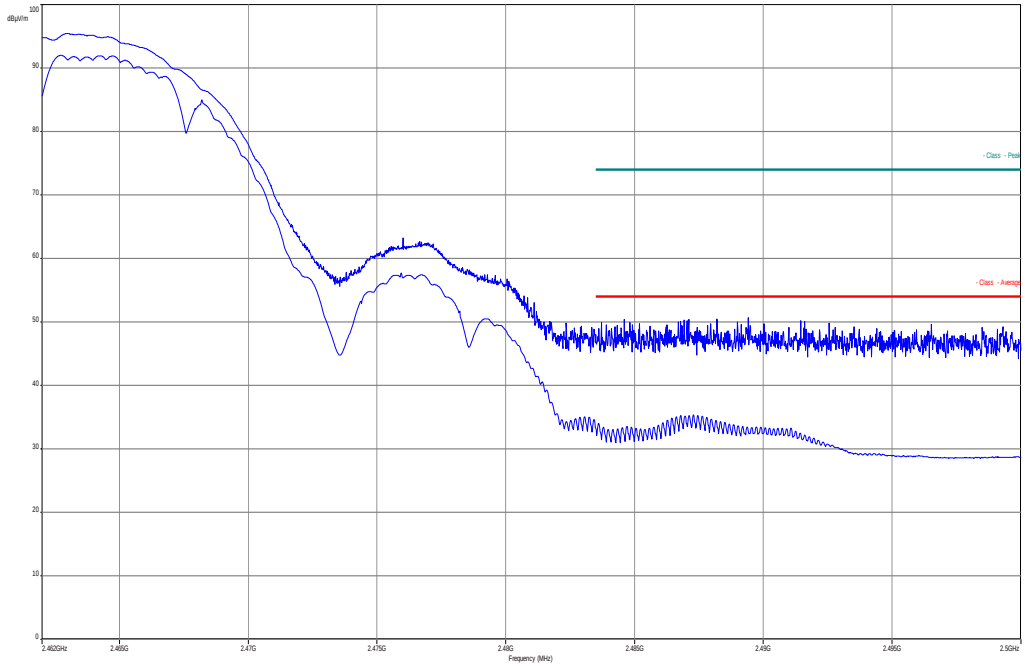


Plots: DSSS/ b – mode peak / average (ANT 453564175981)

Plot 1: TX mode, lower band edge, vertical & horizontal polarization

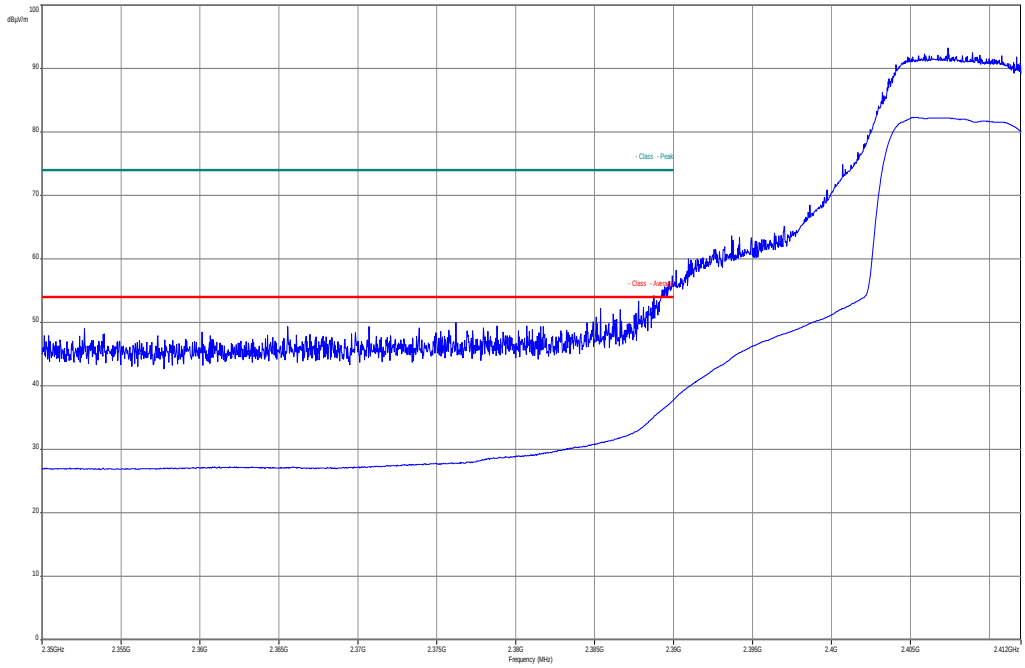


Plot 2: TX mode, upper band edge, vertical & horizontal polarization

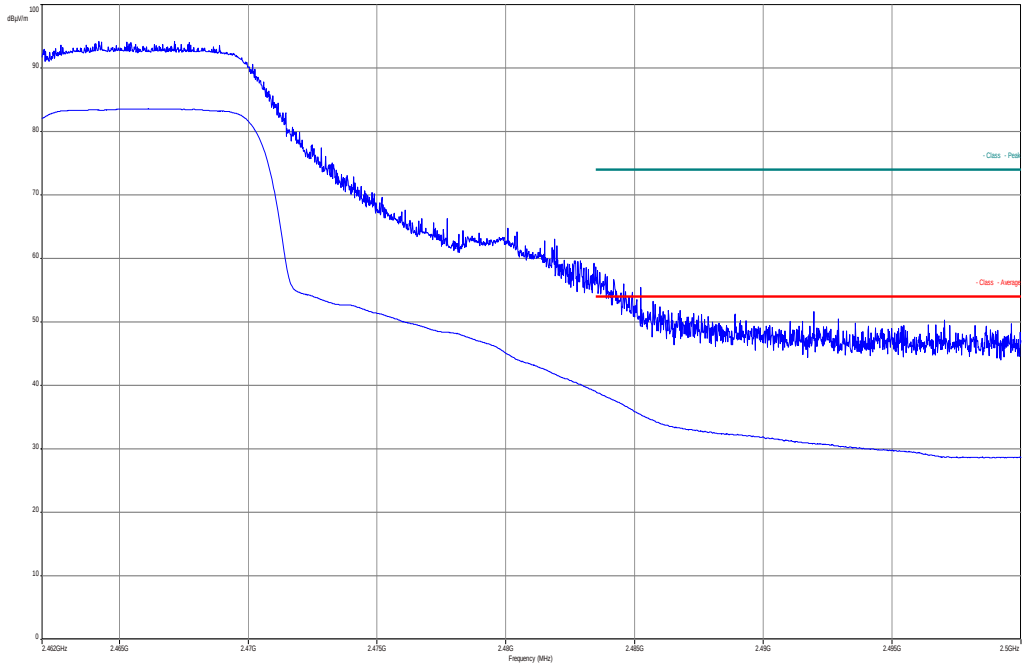


Plots: OFDM / g – mode peak / average (ANT 453564175981)

Plot 1: TX mode, lower band edge, vertical & horizontal polarization

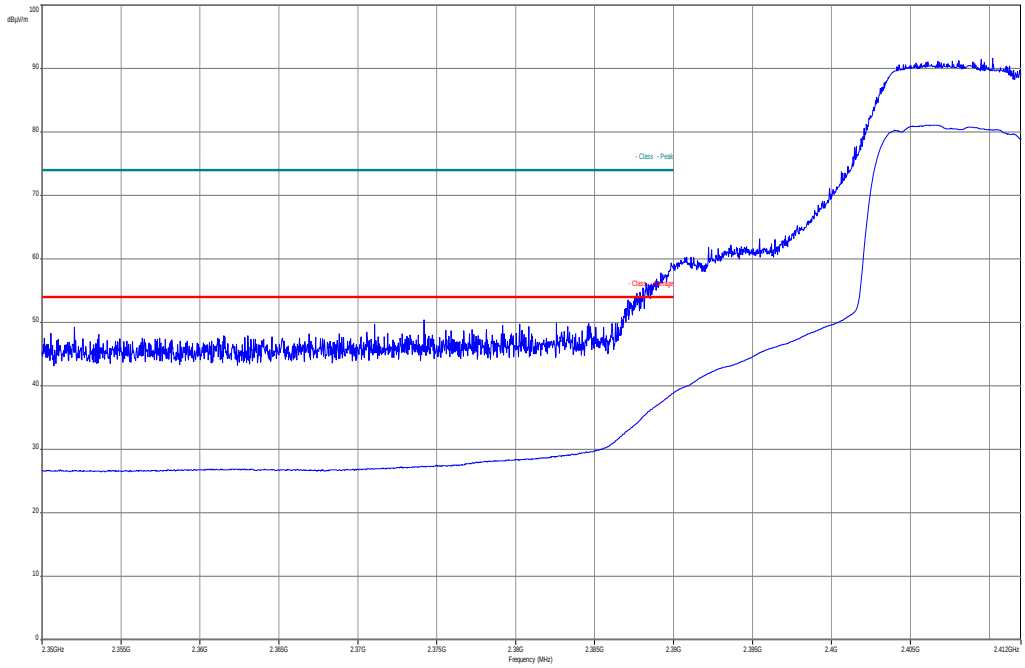


Plot 2: TX mode, upper band edge, vertical & horizontal polarization

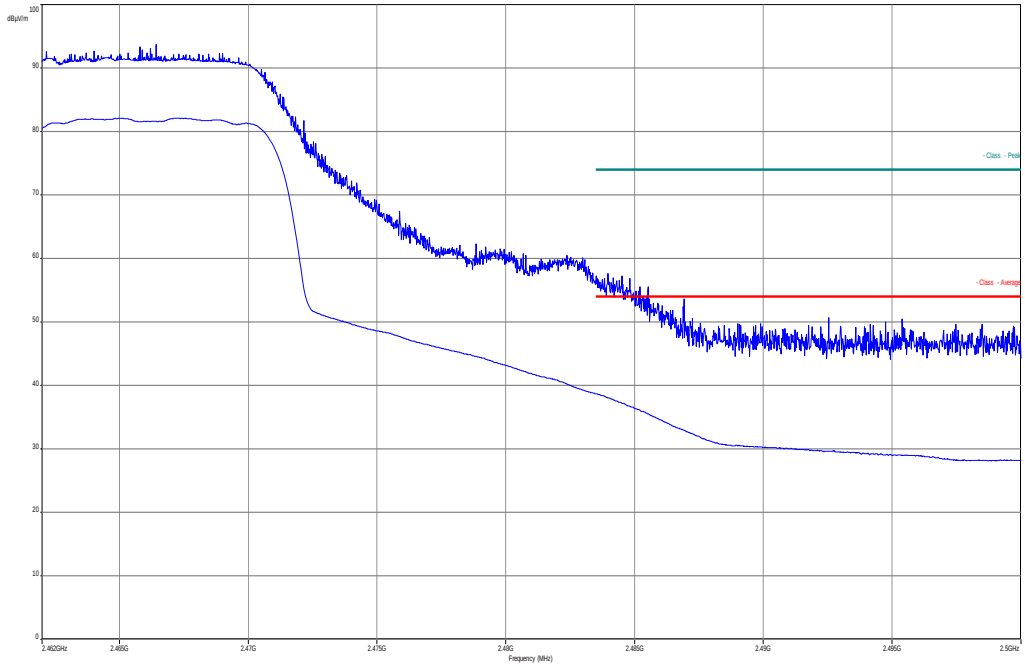


Plots: OFDM / n – mode HT20 - peak / average (ANT 453564175981)

Plot 1: TX mode, lower band edge, vertical & horizontal polarization

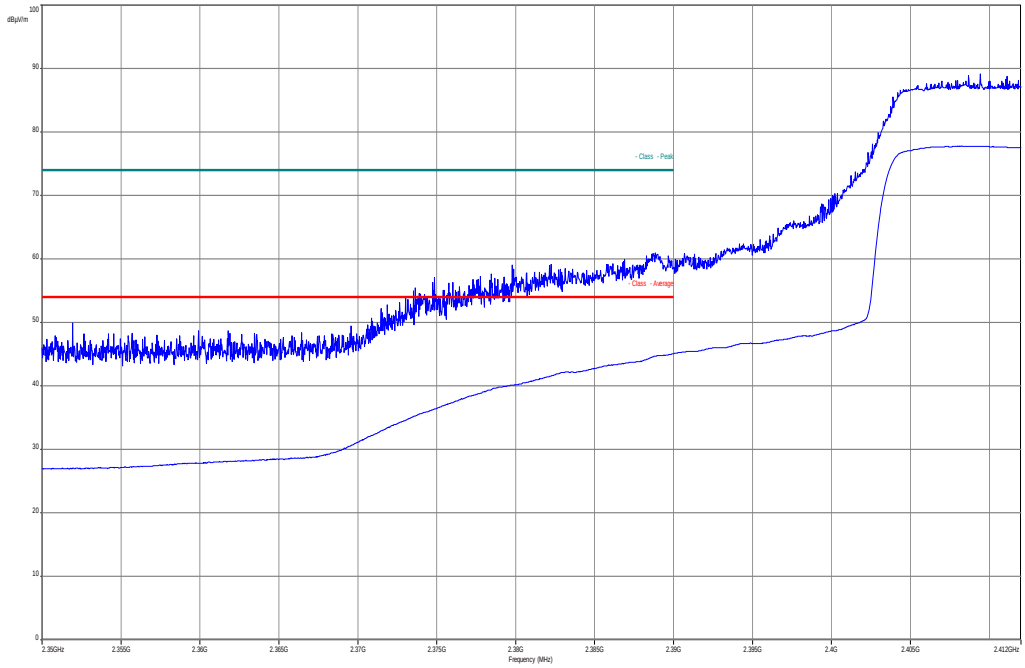


Plot 2: TX mode, upper band edge, vertical & horizontal polarization

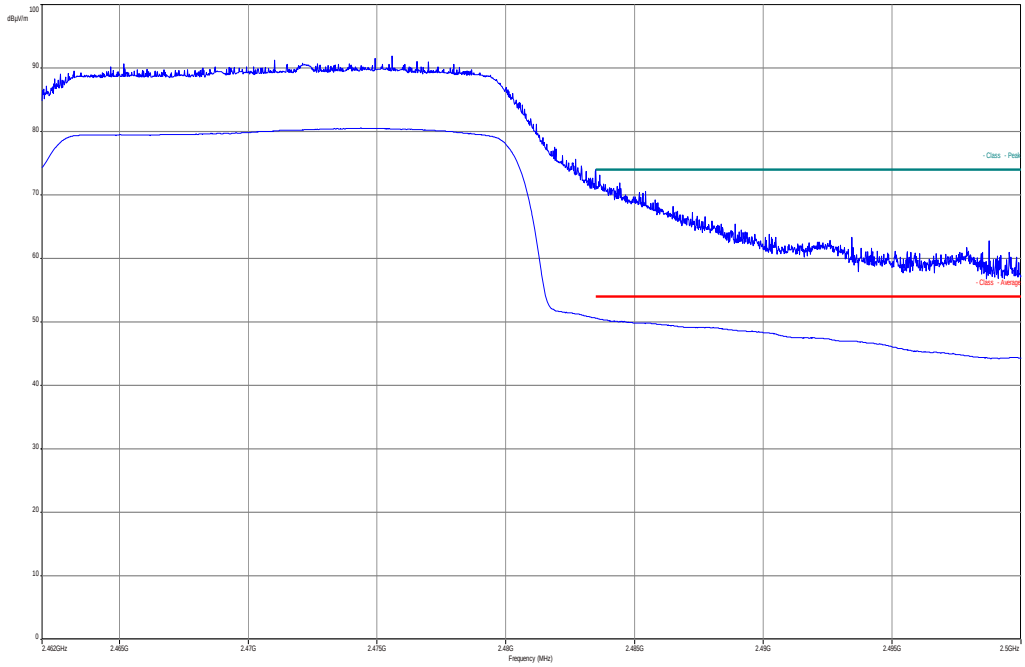


Plots: OFDM / n – mode HT40 - peak / average (ANT 453564175981)

Plot 1: TX mode, lower band edge, vertical & horizontal polarization

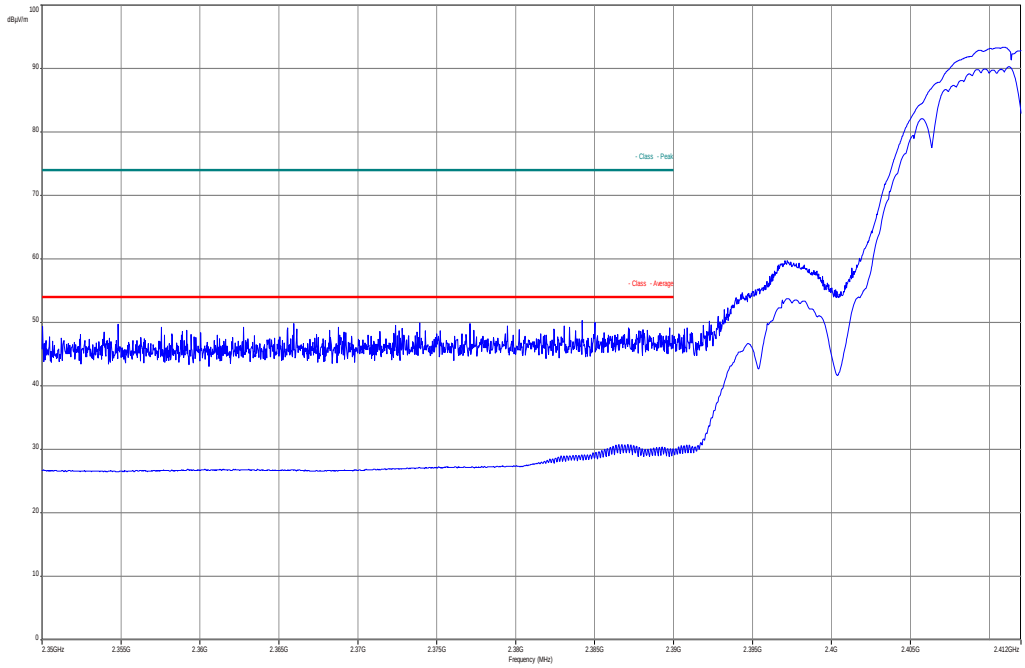


Plot 2: TX mode, upper band edge, vertical & horizontal polarization

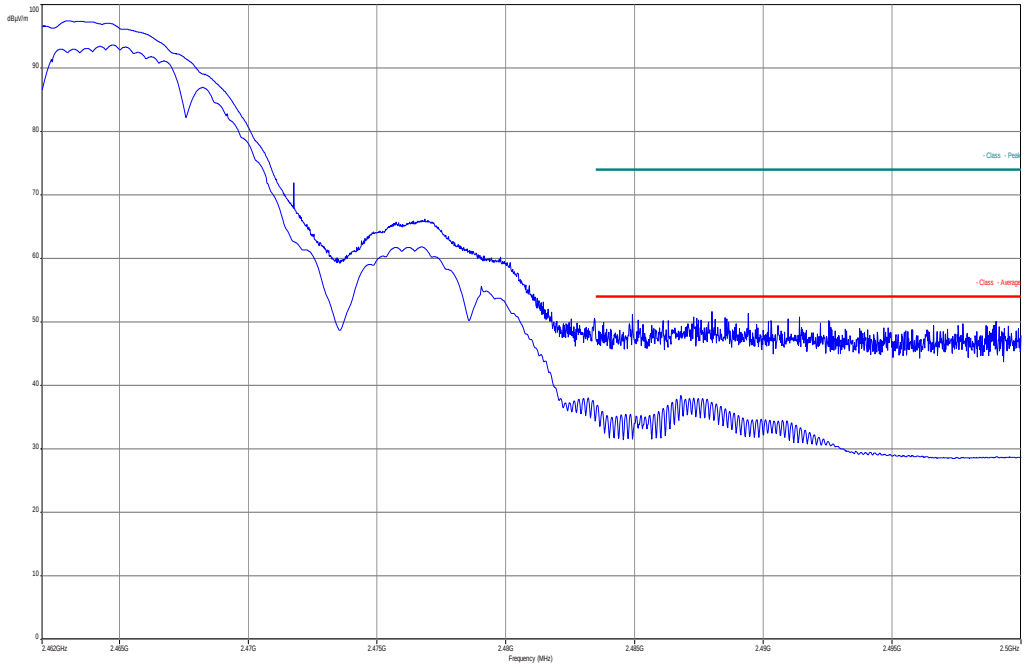


Plots: DSSS/ b – mode peak / average (ANT 453564271931)

Plot 1: TX mode, lower band edge, vertical & horizontal polarization

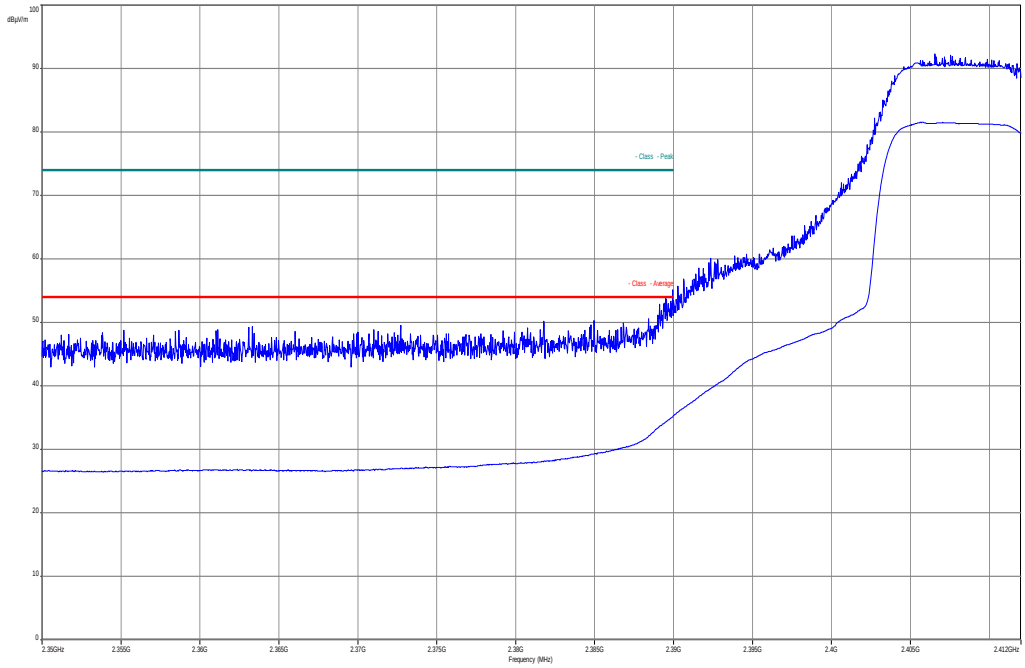


Plot 2: TX mode, upper band edge, vertical & horizontal polarization

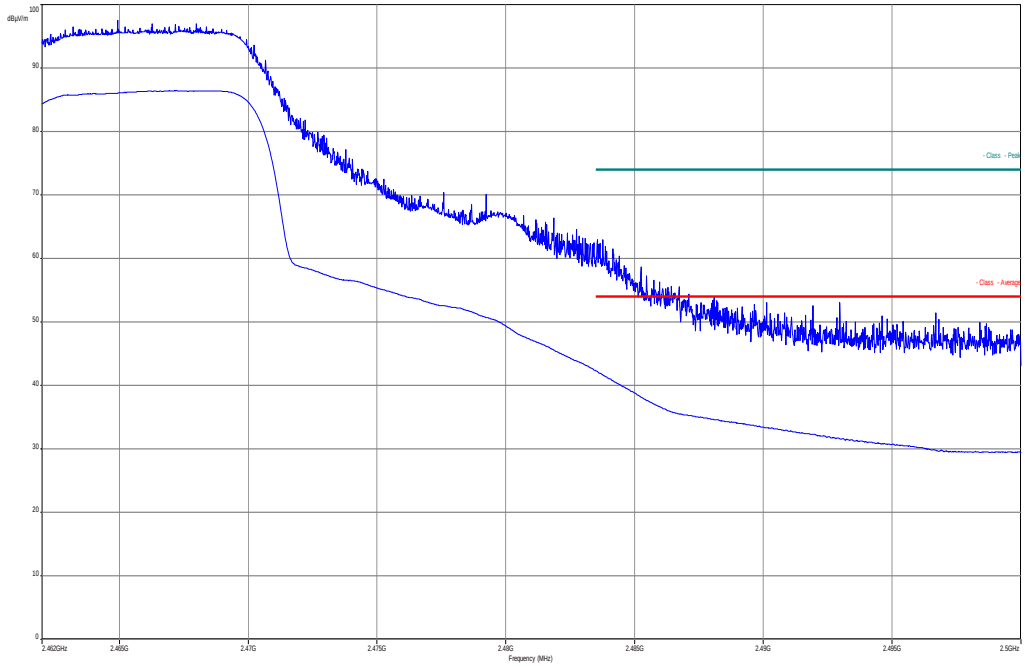


Plots: OFDM / g – mode peak / average (ANT 453564271931)

Plot 1: TX mode, lower band edge, vertical & horizontal polarization

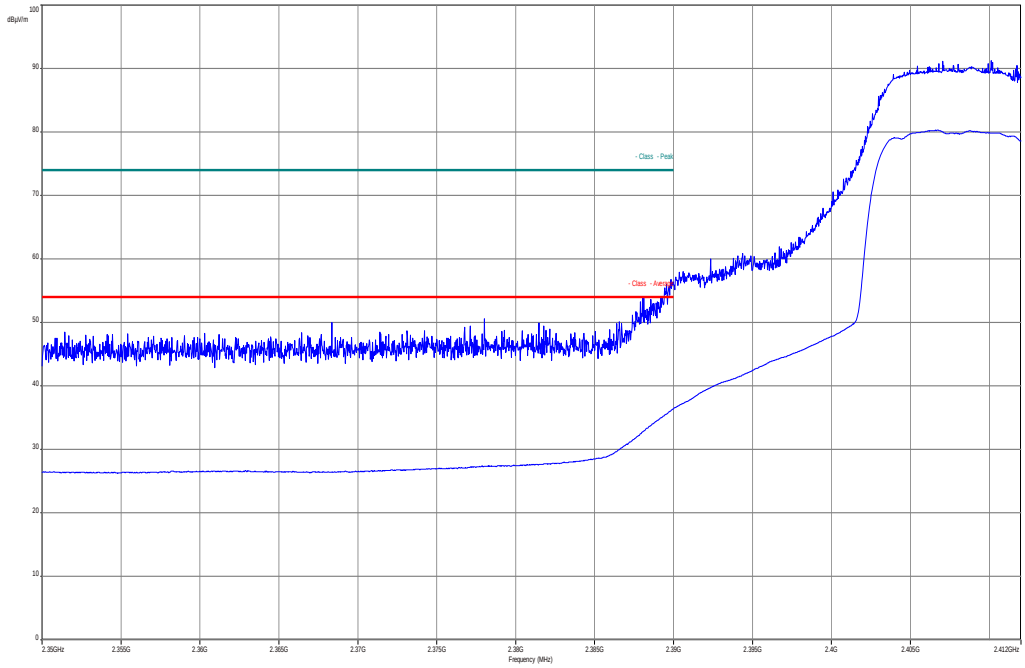


Plot 2: TX mode, upper band edge, vertical & horizontal polarization

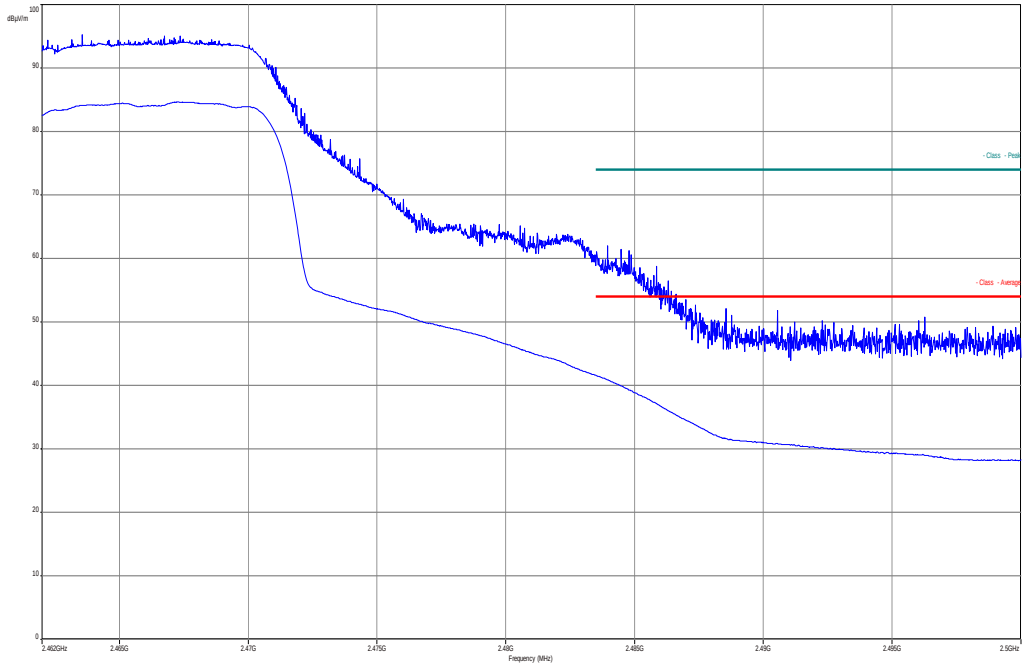


Plots: OFDM / n – mode HT20 - peak / average (ANT 453564271931)

Plot 1: TX mode, lower band edge, vertical & horizontal polarization

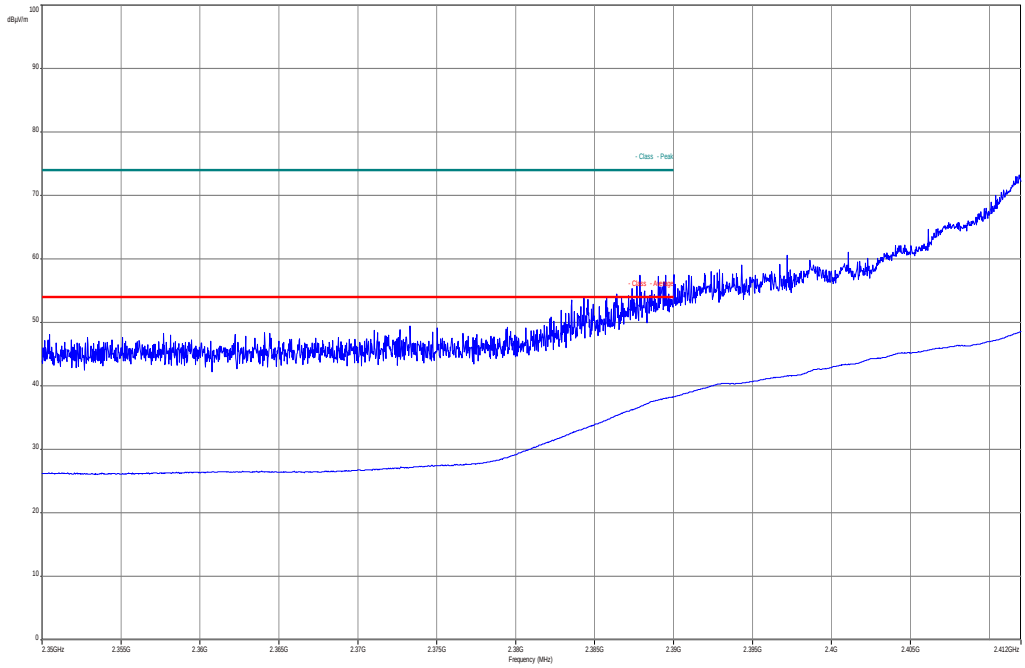


Plot 2: TX mode, upper band edge, vertical & horizontal polarization

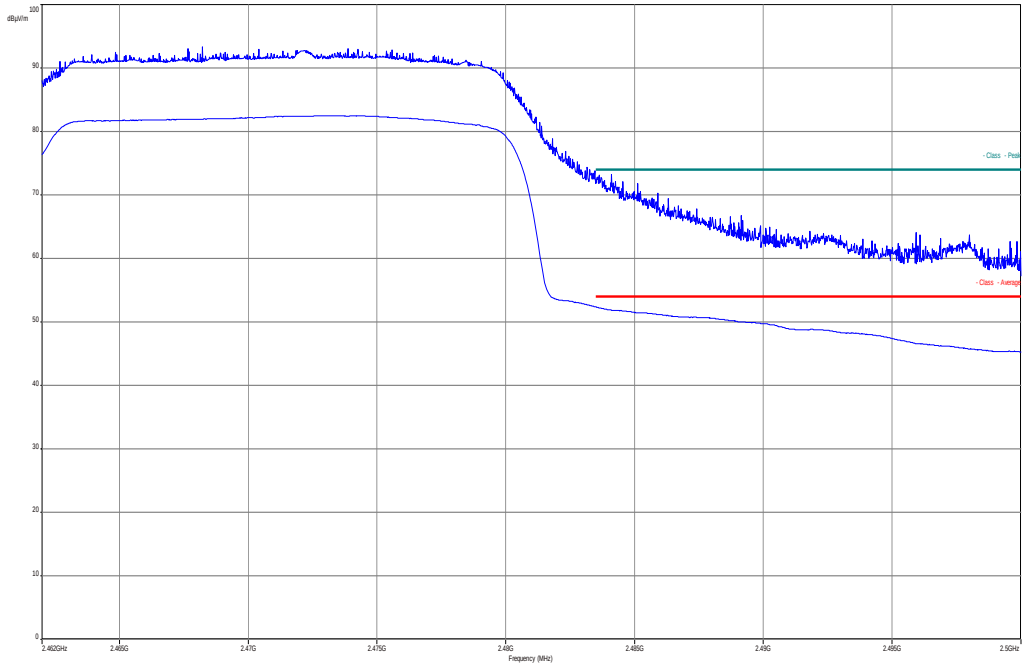


Plots: OFDM / n – mode HT40 - peak / average (ANT 453564271931)

Plot 1: TX mode, lower band edge, vertical & horizontal polarization



Plot 2: TX mode, upper band edge, vertical & horizontal polarization



2 TX spurious emissions radiated

Description:

Measurement of the radiated spurious emissions in transmit mode. The measurement is performed at channel 1, 6 and 11. The measurement is repeated for all modulations.

Measurement:

Measurement parameter	
Detector:	Peak / Quasi Peak / RMS
Sweep time:	Auto
Resolution bandwidth:	F > 1 GHz: 1 MHz F < 1 GHz: 100 kHz
Video bandwidth:	Sweep: 100 kHz Remeasurement: 10 Hz / 3 MHz
Span:	30 MHz to 25 GHz
Trace-Mode:	Max Hold
Measured Modulation	☒ DSSS b – mode ☒ OFDM g – mode ☒ OFDM n – mode / HT20 ☒ OFDM n – mode / HT40

The modulation with the highest output power was used to perform the transmitter spurious emissions. If spurious were detected a re-measurement was performed on the detected frequency with each modulation.

Limits:

FCC	IC	
TX Spurious Emissions Radiated		
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).		
Frequency (MHz)	Field Strength (dBµV/m)	Measurement distance
30 - 88	30.0	10
88 – 216	33.5	10
216 – 960	36.0	10
Above 960	54.0	3

Results: DSSS / b – mode

TX Spurious Emissions Radiated [dBµV/m]								
DSSS / b – mode								
2412 MHz			2437 MHz			2462 MHz		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
For emissions below 1 GHz, please take a look at the table below the 1 GHz plot.			For emissions below 1 GHz, please take a look at the table below the 1 GHz plot.			For emissions below 1 GHz, please take a look at the table below the 1 GHz plot.		
Measurement uncertainty			± 3 dB					

Result: **Passed**

Results: OFDM / g – mode

TX Spurious Emissions Radiated [dBµV/m]								
OFDM / g – mode								
2412 MHz			2437 MHz			2462 MHz		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
For emissions below 1 GHz, please take a look at the table below the 1 GHz plot.			For emissions below 1 GHz, please take a look at the table below the 1 GHz plot.			For emissions below 1 GHz, please take a look at the table below the 1 GHz plot.		
Measurement uncertainty			± 3 dB					

Result: **Passed**

Results: OFDM / n – mode / HT20

TX Spurious Emissions Radiated [dBµV/m]								
OFDM / n – mode								
2412 MHz			2437 MHz			2462 MHz		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
For emissions below 1 GHz, please take a look at the table below the 1 GHz plot.			For emissions below 1 GHz, please take a look at the table below the 1 GHz plot.			For emissions below 1 GHz, please take a look at the table below the 1 GHz plot.		
Measurement uncertainty			± 3 dB					

Result: **Passed**

Results: OFDM / n – mode / HT40

TX Spurious Emissions Radiated [dBµV/m]								
OFDM / n – mode								
2422 MHz			2437 MHz			2452 MHz		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
For emissions below 1 GHz, please take a look at the table below the 1 GHz plot.			For emissions below 1 GHz, please take a look at the table below the 1 GHz plot.			For emissions below 1 GHz, please take a look at the table below the 1 GHz plot.		
Measurement uncertainty			± 3 dB					

Result: Passed

Plots: DSSS / b – mode (ANT M3002-66494)

Plot 1: Lowest channel, 30 MHz to 1 GHz, vertical & horizontal polarization

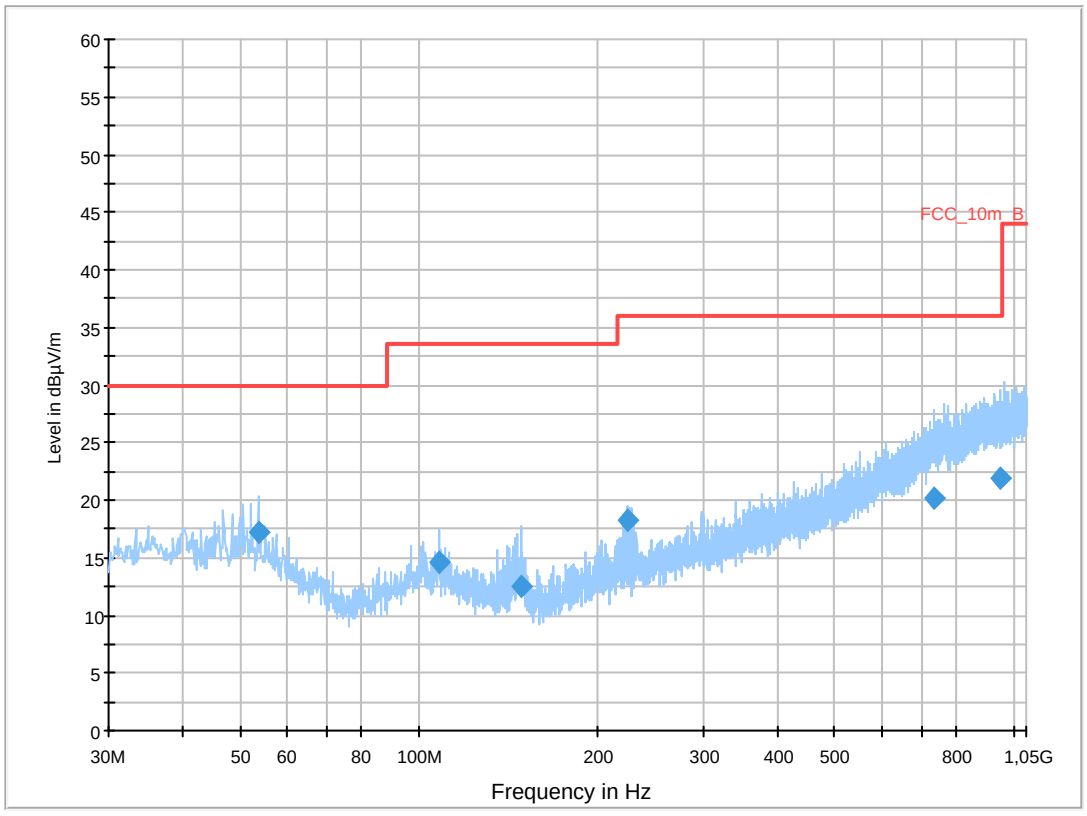
Common Information

EUT:	WLANBV2-A + antenna M3002-66494
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan tx b-mode ch1
Operator Name:	Wolsdorfer
Comment:	AC: 230 V / 50 Hz; grounded

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Level Unit:	dBµV/m

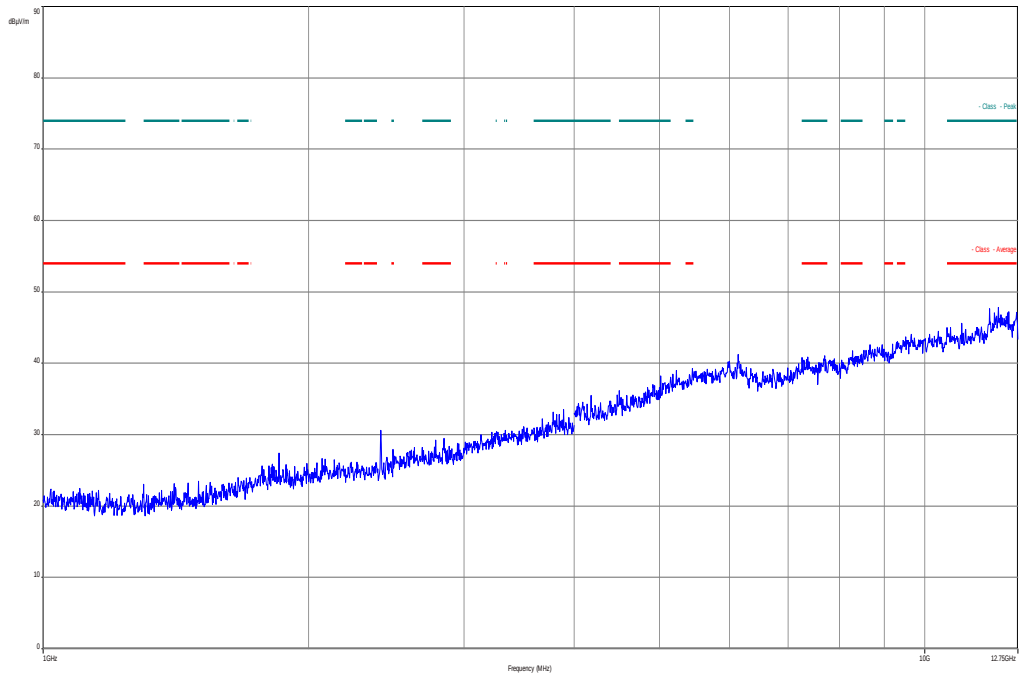
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

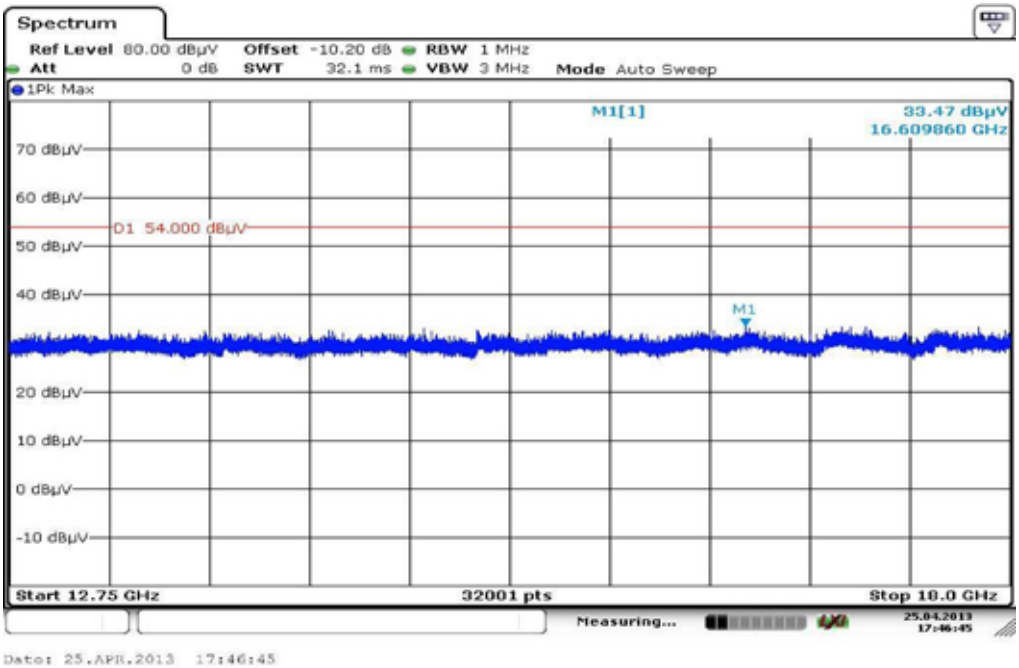
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
53.655300	17.3	1000.0	120.000	119.0	V	3.0	13.0	12.7	30.0	
108.067650	14.6	1000.0	120.000	170.0	V	-2.0	11.2	18.9	33.5	
148.798950	12.5	1000.0	120.000	142.0	V	190.0	8.9	21.0	33.5	
223.617150	18.3	1000.0	120.000	170.0	V	2.0	12.5	17.7	36.0	
733.423350	20.1	1000.0	120.000	105.0	H	260.0	23.3	15.9	36.0	
947.917800	21.9	1000.0	120.000	170.0	H	-5.0	25.3	14.1	36.0	

Plot 2: Lowest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



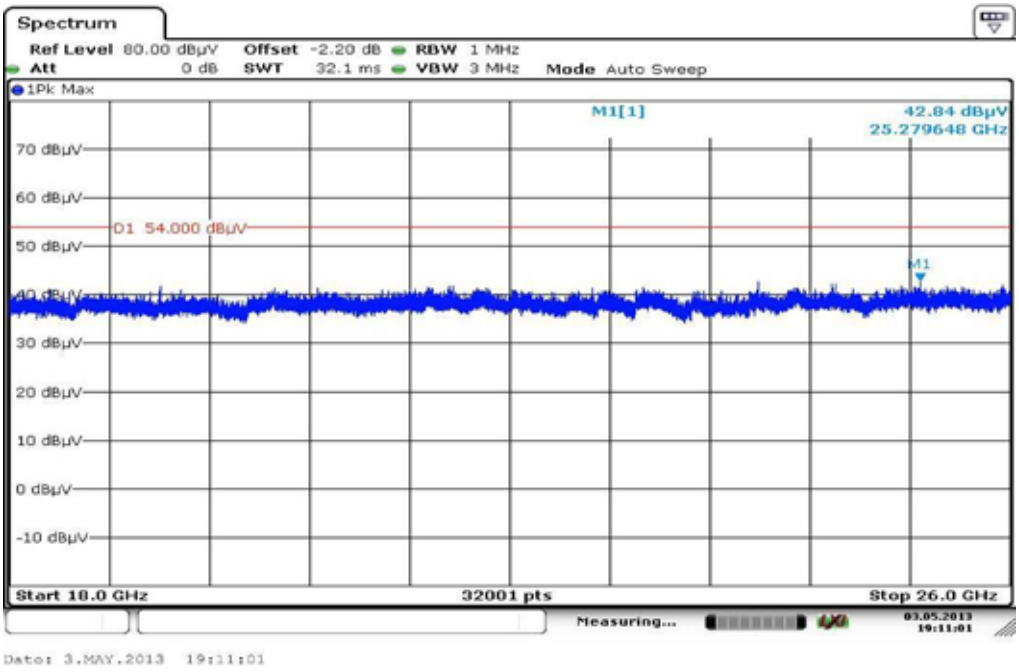
The carrier signal is notched with a 2.4 GHz band rejection filter.

Plot 3: Lowest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Date: 25.APR.2013 17:46:45

Plot 4: Lowest channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 5: Middle channel, 30 MHz to 1 GHz, vertical & horizontal polarization

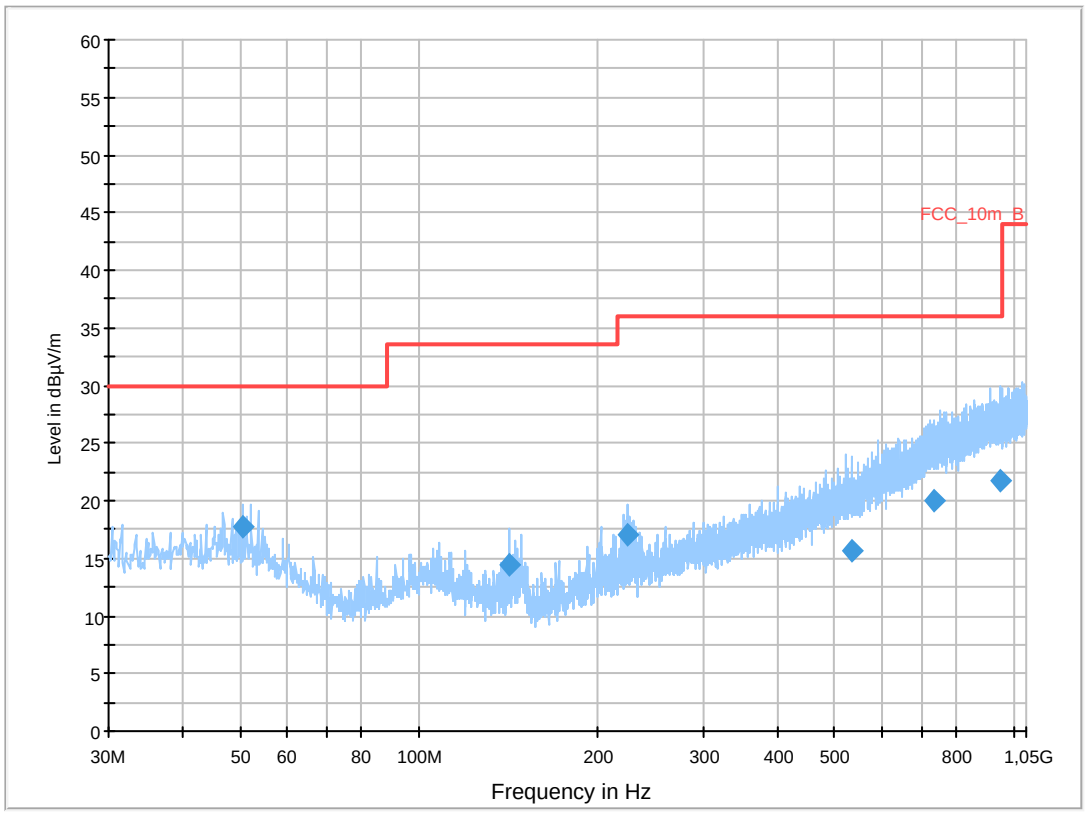
Common Information

EUT:	WLANBV2-A + antenna M3002-66494
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan tx b-mode ch6
Operator Name:	Wolsdorfer
Comment:	AC: 230 V / 50 Hz; grounded

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Receiver:	[ESCI 3]
Level Unit:	dBµV/m

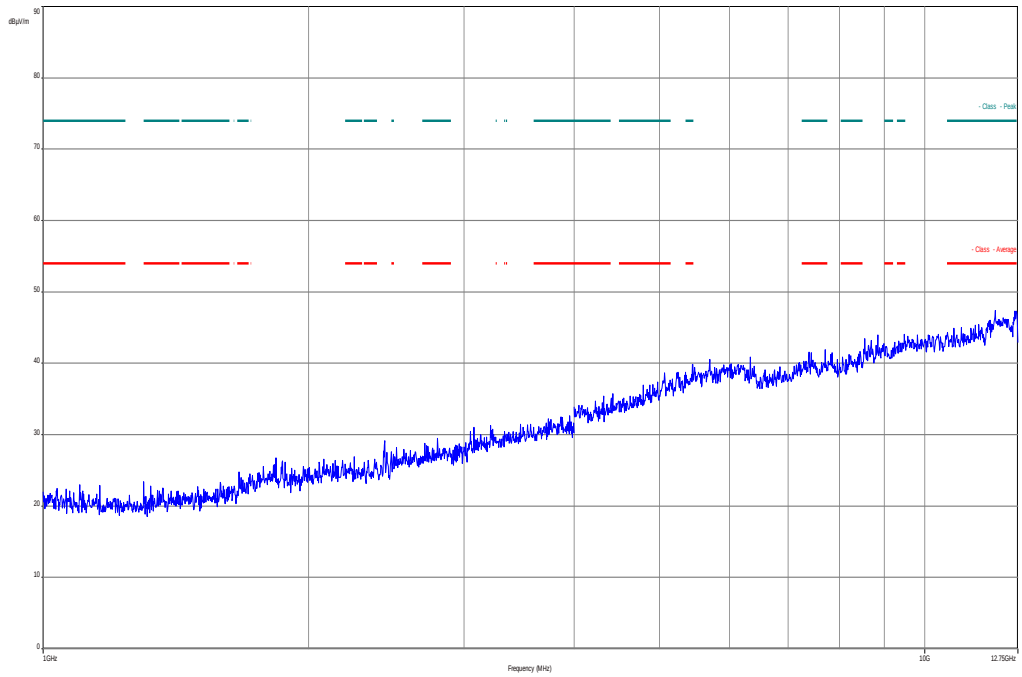
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

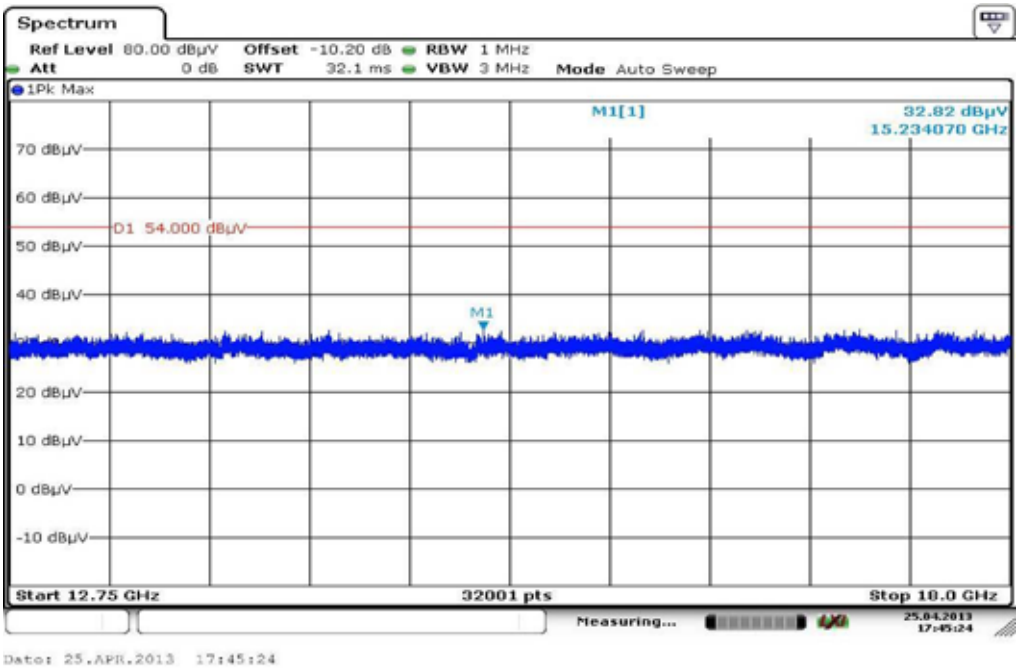
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
50.613150	17.8	1000.0	120.000	98.0	V	-10.0	13.3	12.2	30.0	
142.022250	14.4	1000.0	120.000	98.0	V	100.0	8.7	19.1	33.5	
223.594800	17.1	1000.0	120.000	170.0	V	10.0	12.5	18.9	36.0	
533.083050	15.6	1000.0	120.000	160.0	V	100.0	19.1	20.4	36.0	
733.127550	20.1	1000.0	120.000	170.0	H	261.0	23.3	15.9	36.0	
945.771000	21.8	1000.0	120.000	170.0	V	-10.0	25.3	14.2	36.0	

Plot 6: Middle channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



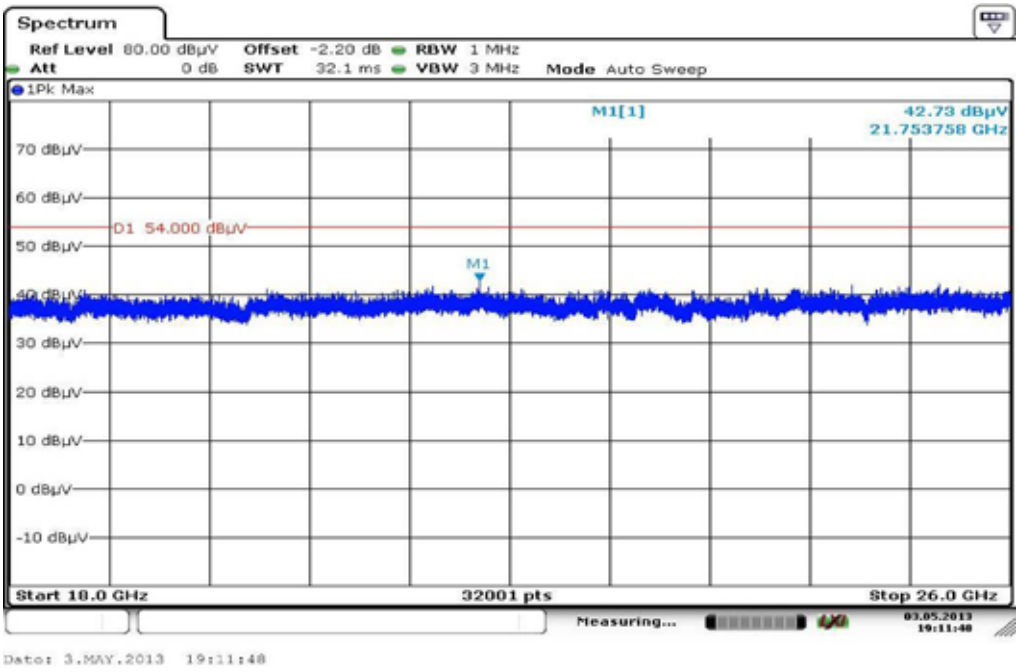
The carrier signal is notched with a 2.4 GHz band rejection filter.

Plot 7: Middle channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Date: 25.APR.2013 17:45:24

Plot 8: Middle channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 9: Highest channel, 30 MHz to 1 GHz, vertical & horizontal polarization

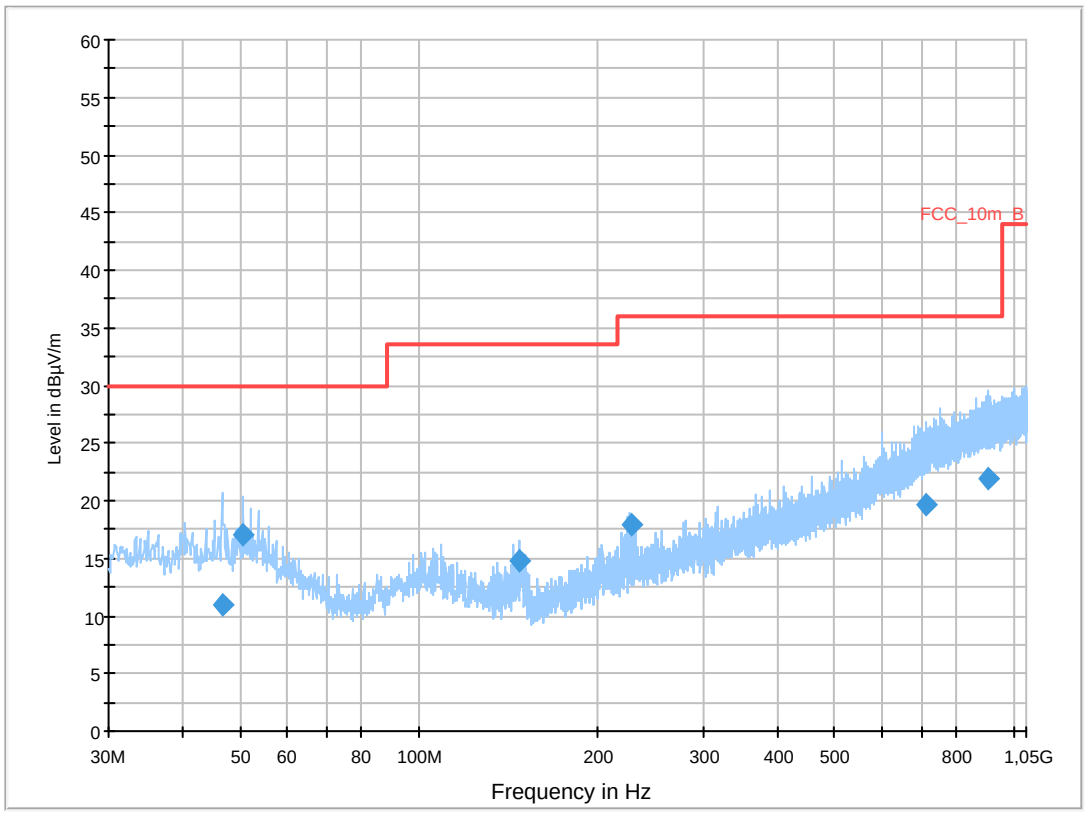
Common Information

EUT:	WLANBV2-A + antenna M3002-66494
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan tx b-mode ch11
Operator Name:	Wolsdorfer
Comment:	AC: 230 V / 50 Hz; grounded

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Receiver:	[ESCI 3]
Level Unit:	dBµV/m

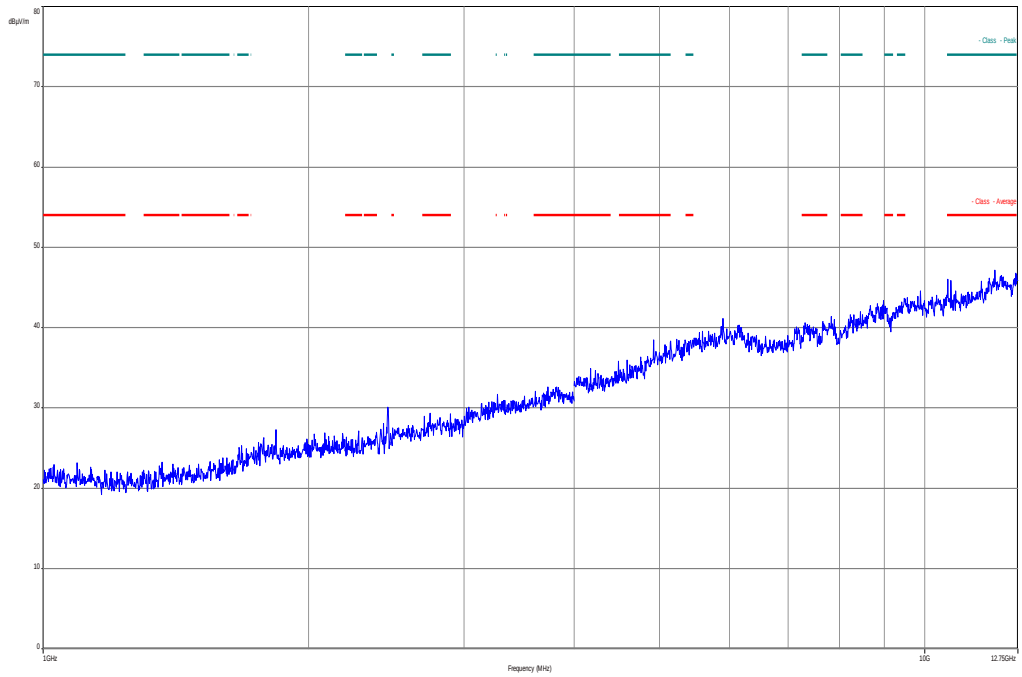
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

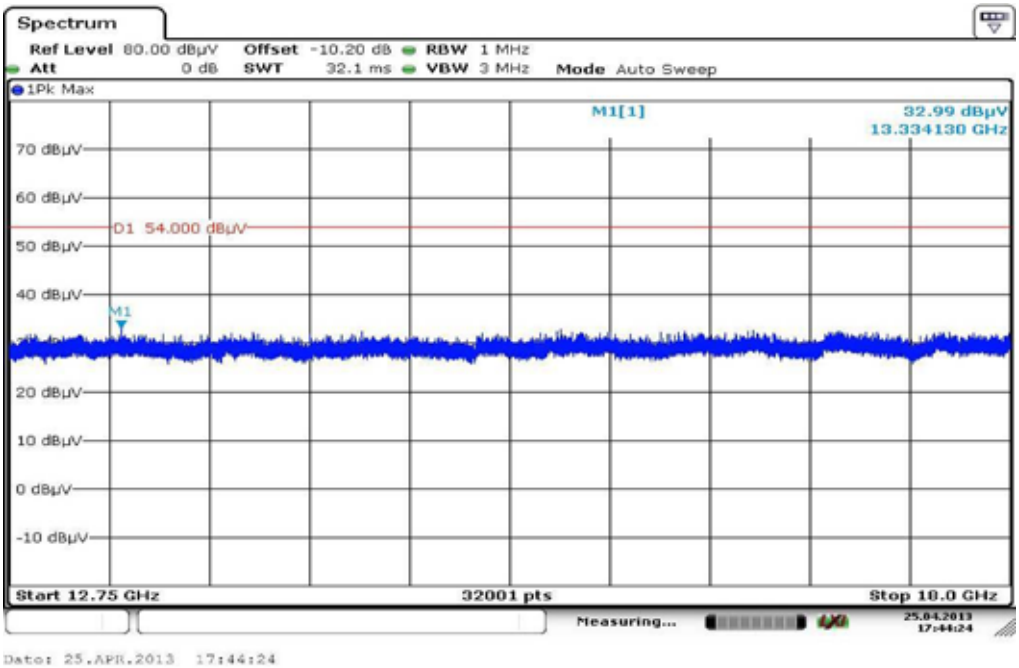
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
46.723500	11.0	1000.0	120.000	98.0	V	100.0	13.3	19.0	30.0	
50.605650	17.0	1000.0	120.000	119.0	V	100.0	13.3	13.0	30.0	
147.346950	14.7	1000.0	120.000	121.0	V	180.0	8.9	18.8	33.5	
226.682250	17.9	1000.0	120.000	170.0	V	10.0	12.6	18.1	36.0	
714.724800	19.6	1000.0	120.000	143.0	H	10.0	22.8	16.4	36.0	
902.897550	21.9	1000.0	120.000	170.0	V	-3.0	25.2	14.1	36.0	

Plot 10: Highest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



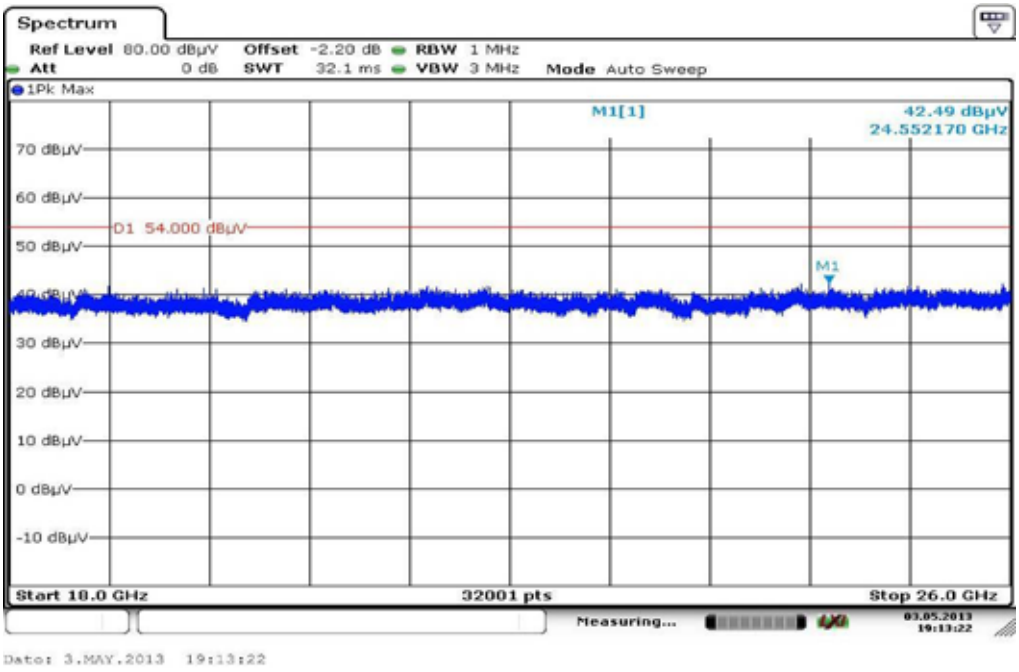
The carrier signal is notched with a 2.4 GHz band rejection filter.

Plot 11: Highest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Date: 25.APR.2013 17:44:24

Plot 12: Highest channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plots: OFDM / g – mode (ANT M3002-66494)

Plot 1: Lowest channel, 30 MHz to 1 GHz, vertical & horizontal polarization

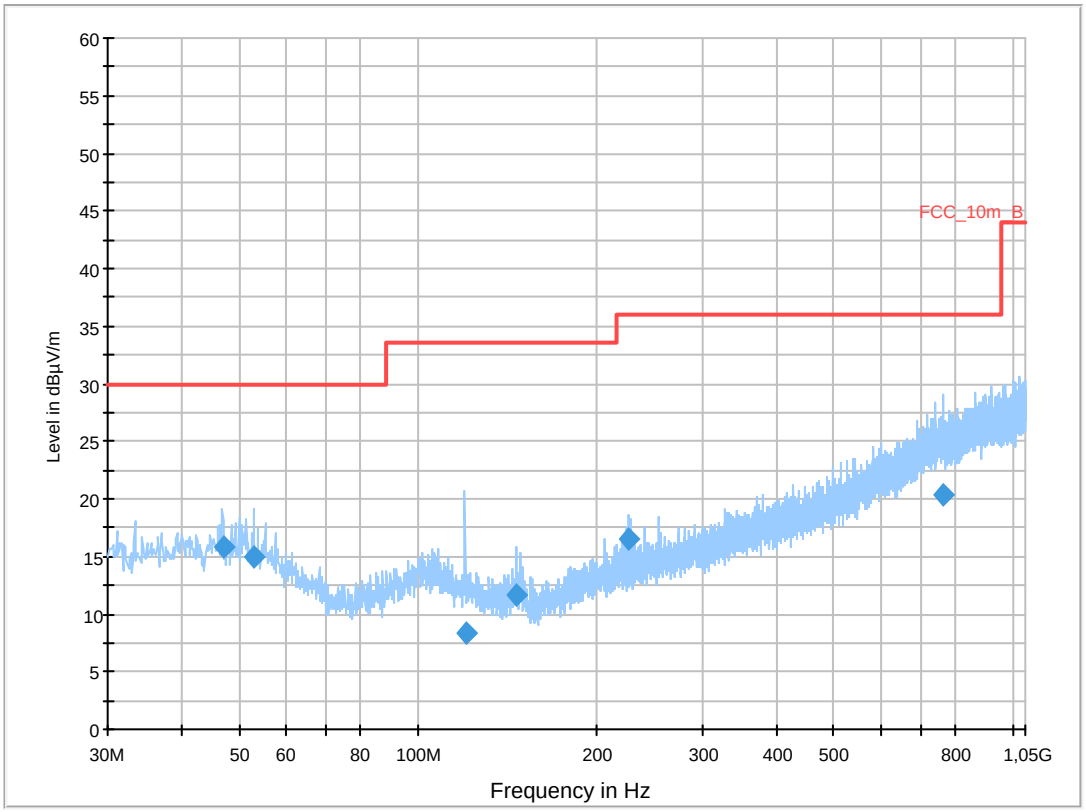
Common Information

EUT:	WLANBV2-A + antenna M3002-66494
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan tx g-mode ch1
Operator Name:	Wolsdorfer
Comment:	AC: 230 V / 50 Hz; grounded

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Receiver:	[ESCI 3]
Level Unit:	dBµV/m

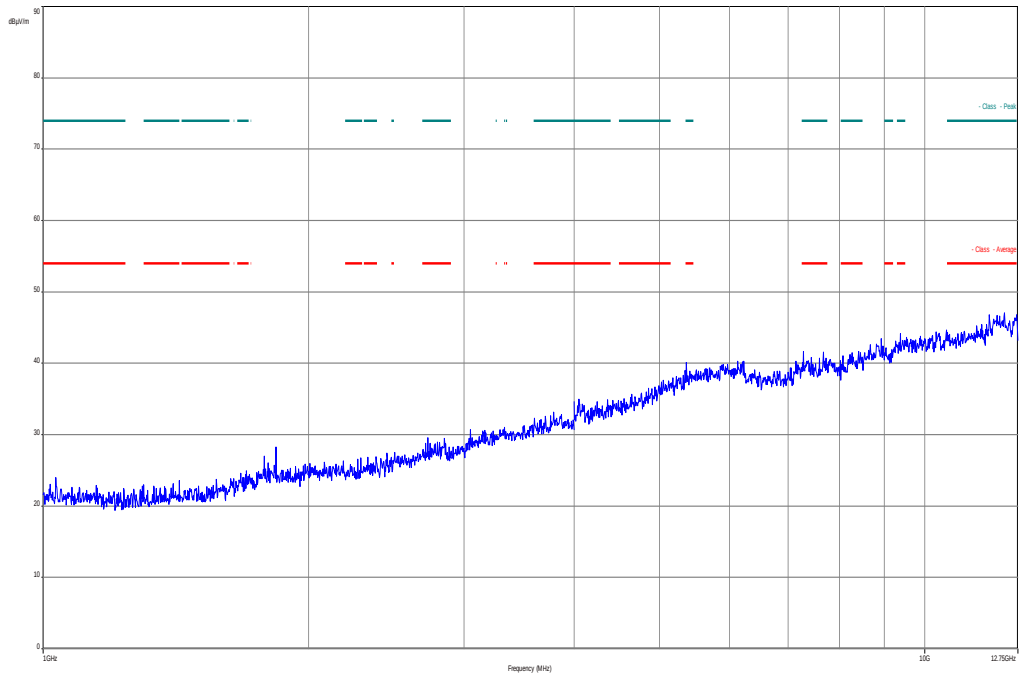
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

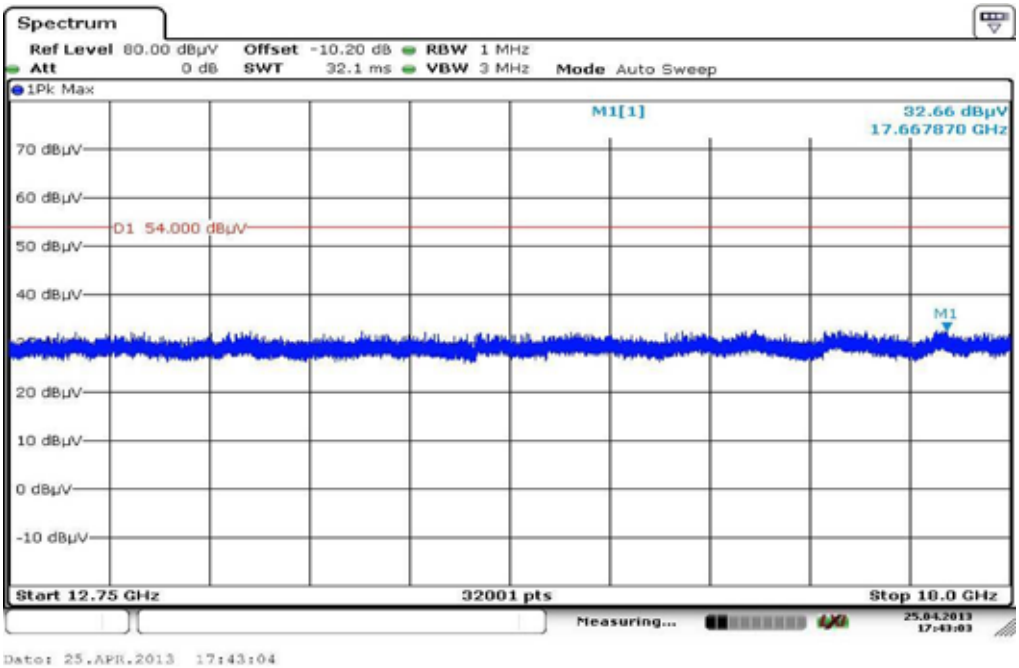
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
46.933050	15.8	1000.0	120.000	120.0	V	92.0	13.3	14.2	30.0	
52.997550	15.0	1000.0	120.000	132.0	V	-5.0	13.1	15.0	30.0	
120.005550	8.3	1000.0	120.000	98.0	V	190.0	10.2	25.2	33.5	
146.041650	11.7	1000.0	120.000	170.0	V	100.0	8.8	21.8	33.5	
226.266900	16.5	1000.0	120.000	170.0	V	10.0	12.6	19.5	36.0	
762.835200	20.4	1000.0	120.000	170.0	H	10.0	23.7	15.6	36.0	

Plot 2: Lowest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



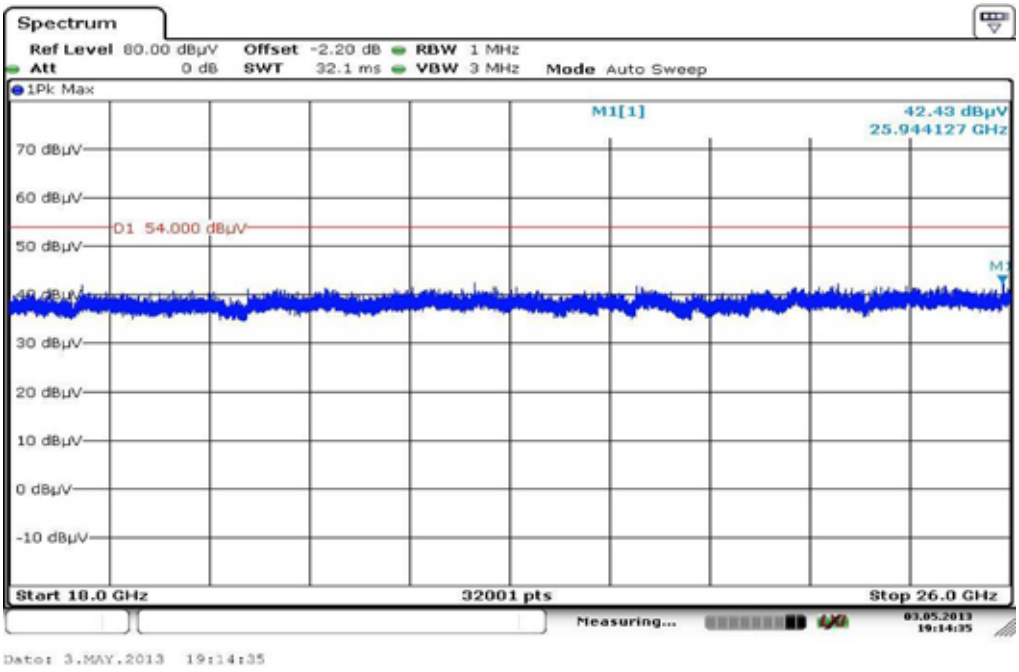
The carrier signal is notched with a 2.4 GHz band rejection filter.

Plot 3: Lowest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Date: 25.APR.2013 17:43:04

Plot 4: Lowest channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 5: Middle channel, 30 MHz to 1 GHz, vertical & horizontal polarization

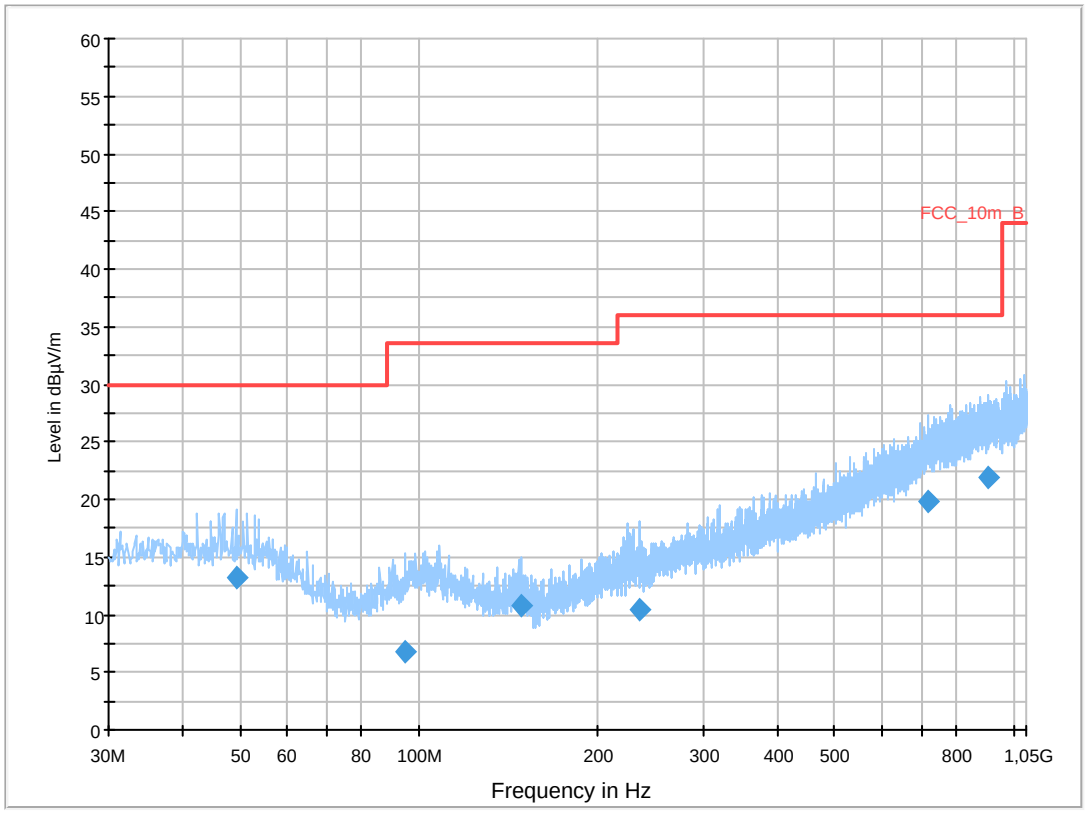
Common Information

EUT:	WLANBV2-A + antenna M3002-66494
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan tx g-mode ch6
Operator Name:	Wolsdorfer
Comment:	AC: 230 V / 50 Hz; grounded

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Receiver:	[ESCI 3]
Level Unit:	dBµV/m

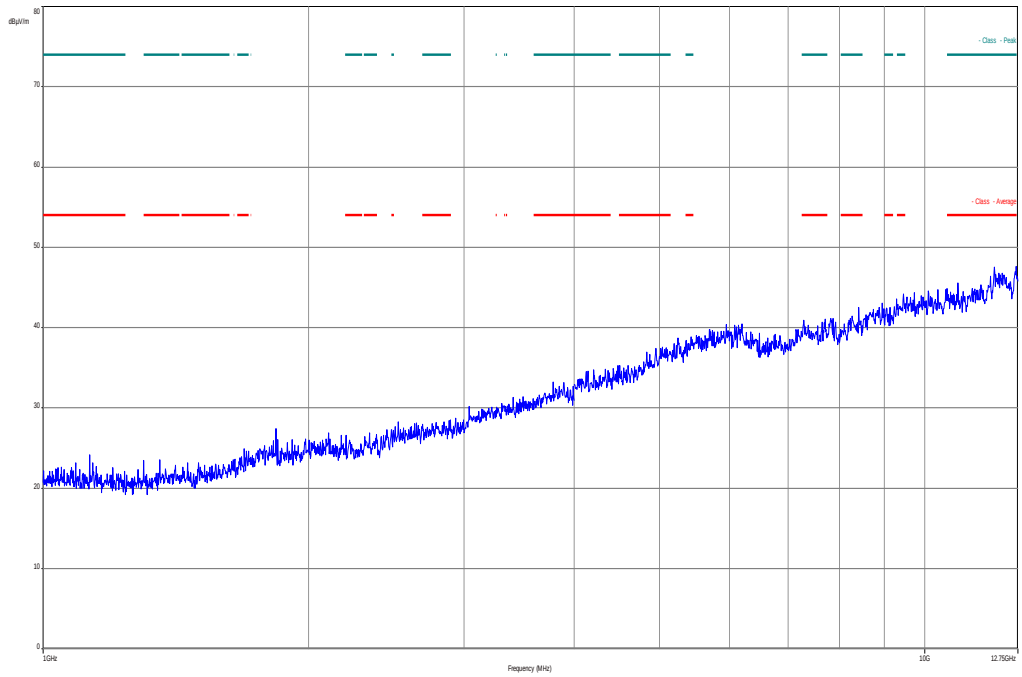
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

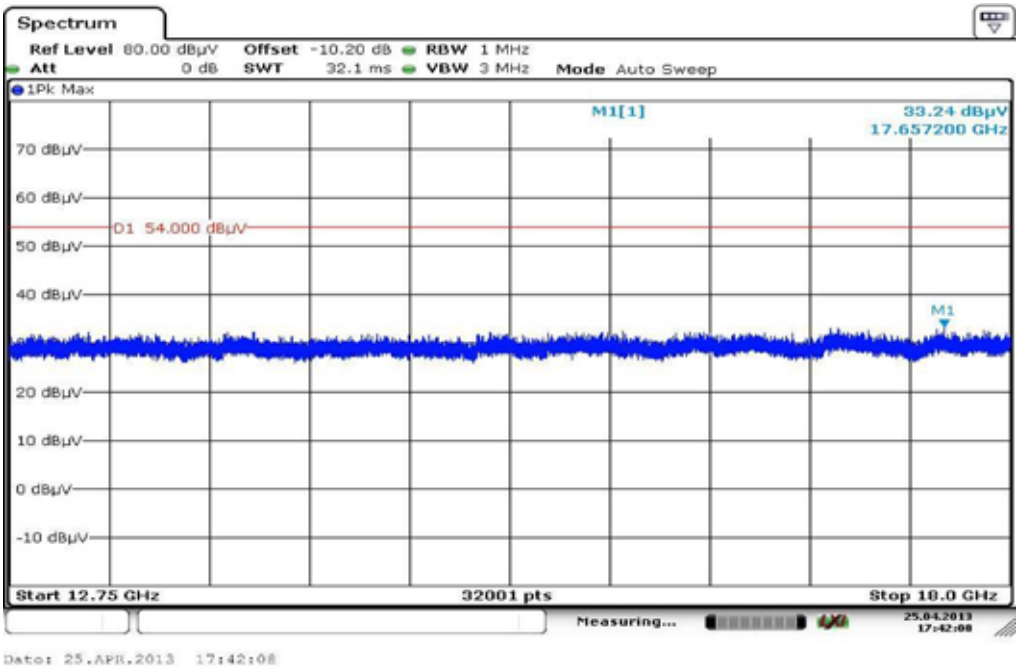
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
49.235550	13.3	1000.0	120.000	98.0	V	265.0	13.4	16.7	30.0	
94.760100	6.7	1000.0	120.000	170.0	H	280.0	11.2	26.8	33.5	
148.364550	10.8	1000.0	120.000	119.0	V	175.0	8.9	22.7	33.5	
235.269000	10.4	1000.0	120.000	170.0	V	92.0	12.9	25.6	36.0	
720.041850	19.8	1000.0	120.000	98.0	H	88.0	23.0	16.2	36.0	
909.052050	21.9	1000.0	120.000	170.0	H	-5.0	25.2	14.1	36.0	

Plot 6: Middle channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



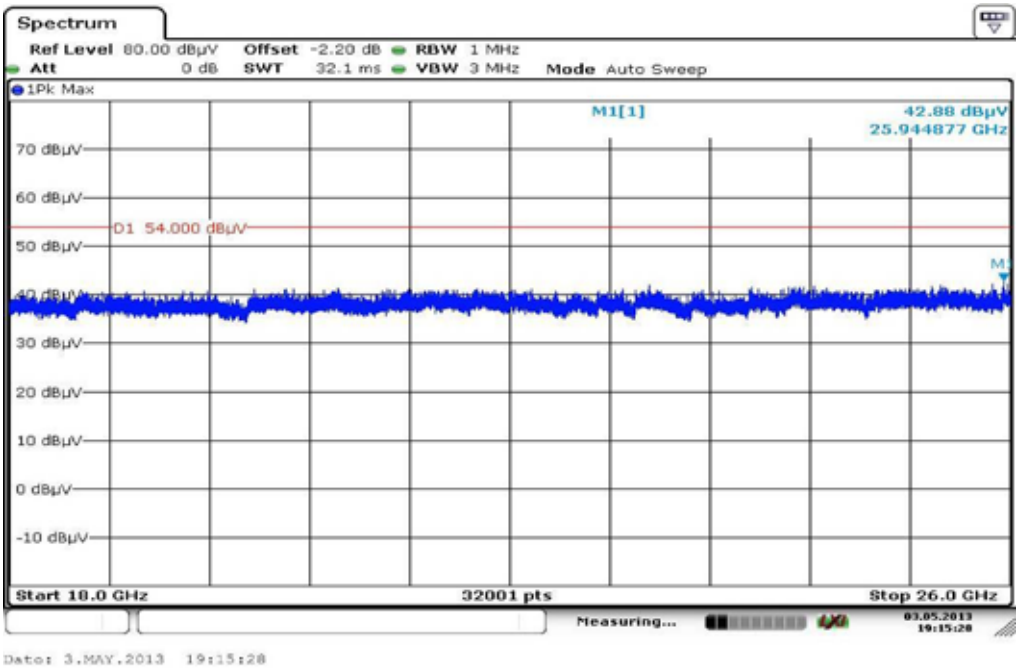
The carrier signal is notched with a 2.4 GHz band rejection filter.

Plot 7: Middle channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Date: 25.APR.2013 17:42:08

Plot 8: Middle channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 9: Highest channel, 30 MHz to 1 GHz, vertical & horizontal polarization

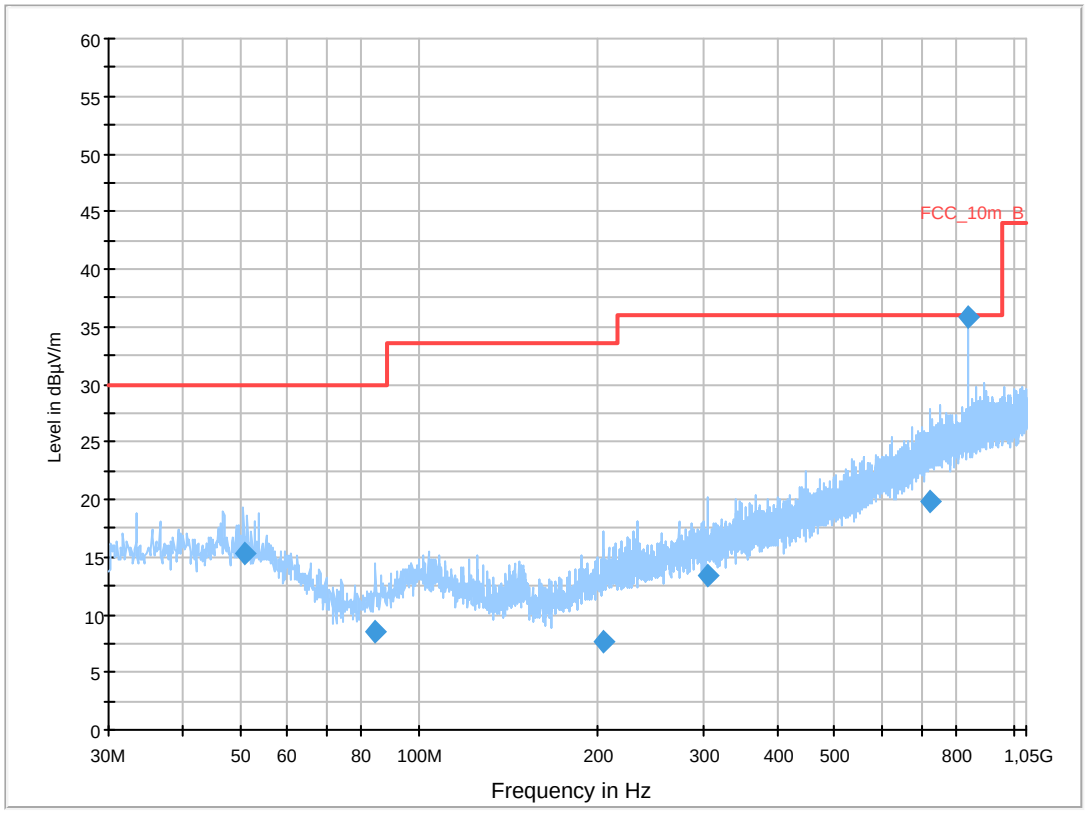
Common Information

EUT:	WLANBV2-A + antenna M3002-66494
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan tx g-mode ch11
Operator Name:	Wolsdorfer
Comment:	AC: 230 V / 50 Hz; grounded

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Receiver:	[ESCI 3]
Level Unit:	dBµV/m

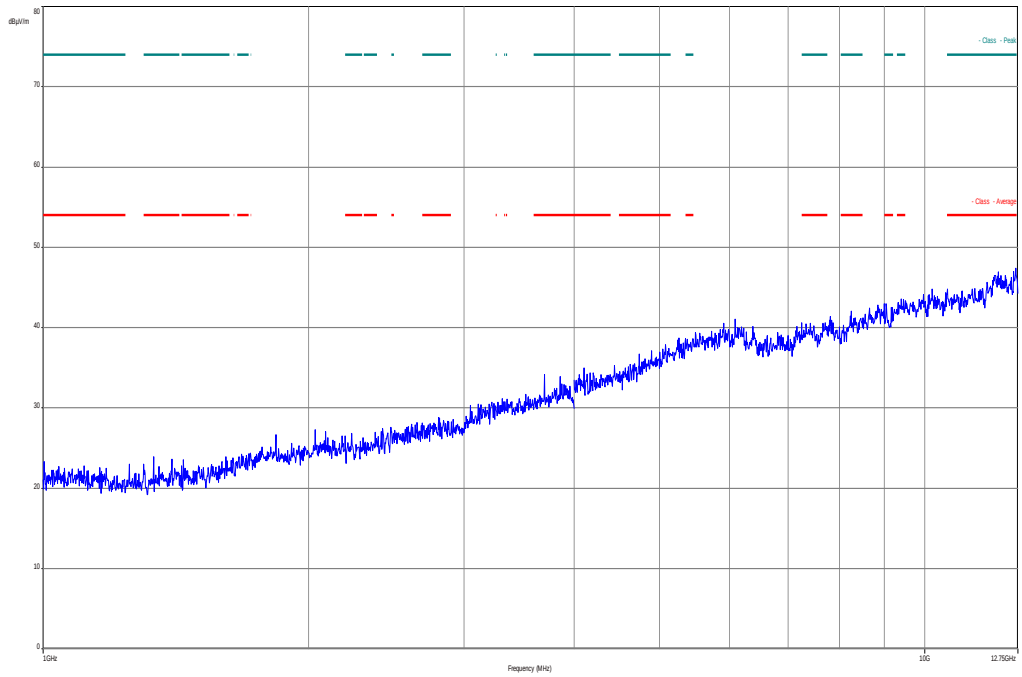
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

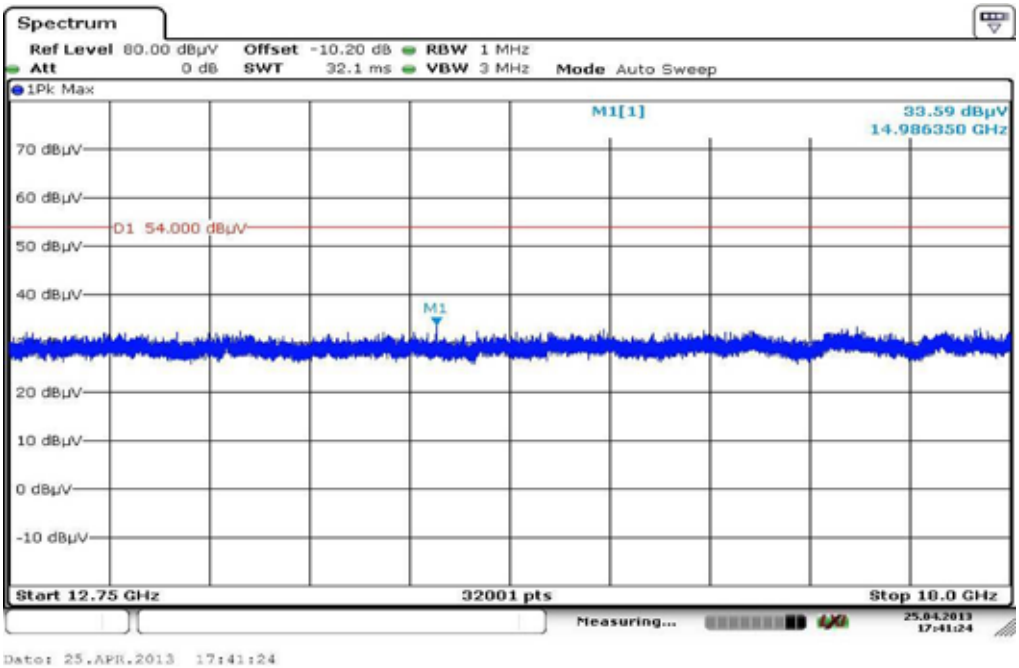
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
50.674800	15.3	1000.0	120.000	105.0	V	0.0	13.3	14.7	30.0	
84.003300	8.4	1000.0	120.000	170.0	V	190.0	9.7	21.6	30.0	
203.327700	7.7	1000.0	120.000	170.0	V	170.0	11.8	25.8	33.5	
305.236200	13.4	1000.0	120.000	170.0	H	190.0	14.7	22.6	36.0	
724.585500	19.8	1000.0	120.000	170.0	V	260.0	23.1	16.2	36.0	
836.619450	35.4	1000.0	120.000	120.0	H	280.0	24.4	0.6	36.0	

Plot 10: Highest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



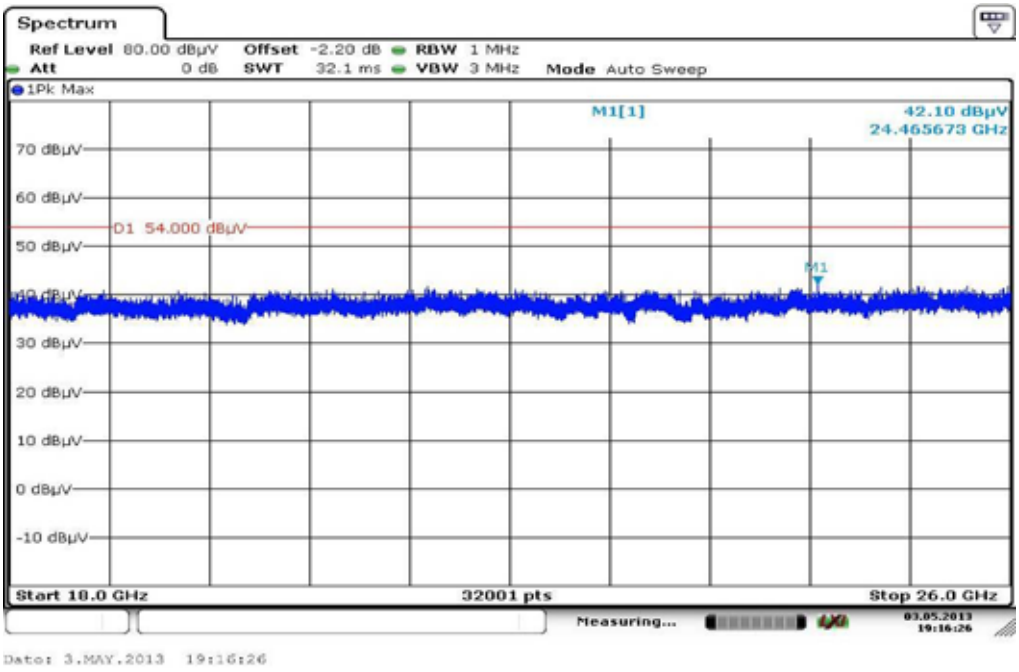
The carrier signal is notched with a 2.4 GHz band rejection filter.

Plot 11: Highest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Date: 25.APR.2013 17:41:24

Plot 12: Highest channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plots: OFDM / n – mode HT20 (ANT M3002-66494)

Plot 1: Lowest channel, 30 MHz to 1 GHz, vertical & horizontal polarization

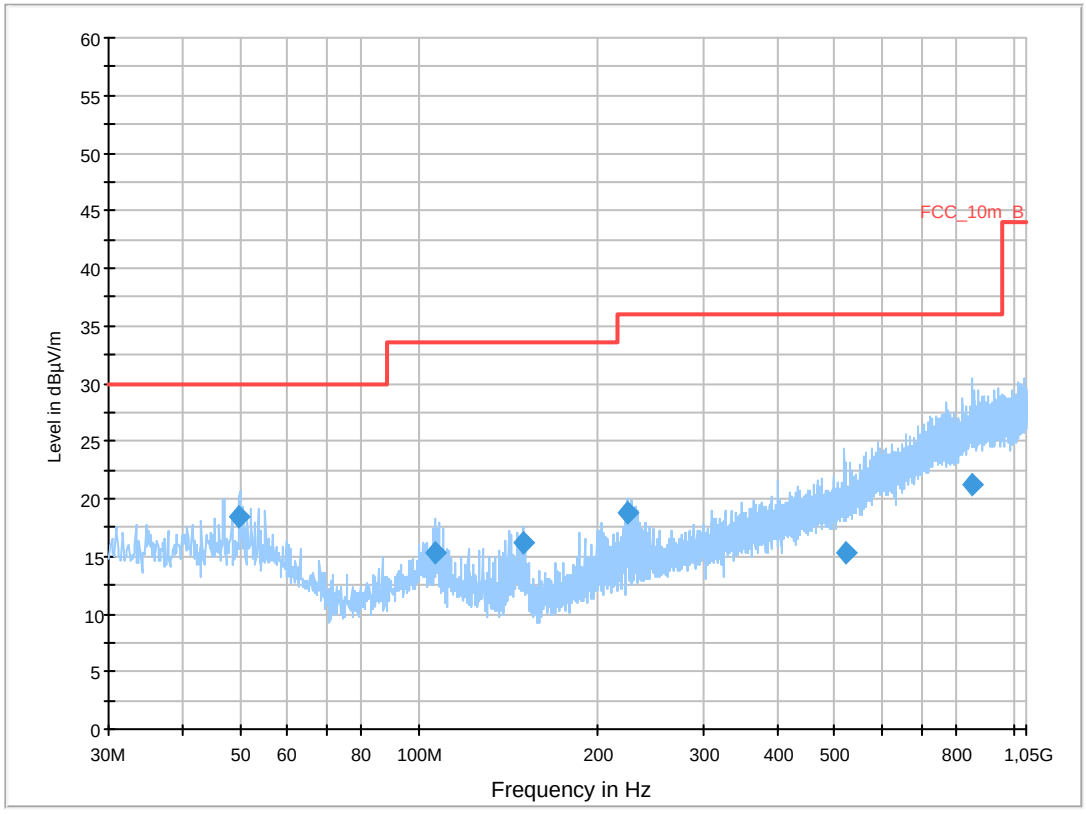
Common Information

EUT:	WLANBV2-A + antenna M3002-66494
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan tx n-mode HT20 ch1
Operator Name:	Wolsdorfer
Comment:	AC: 230 V / 50 Hz; grounded

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Receiver:	[ESCI 3]
Level Unit:	dBµV/m

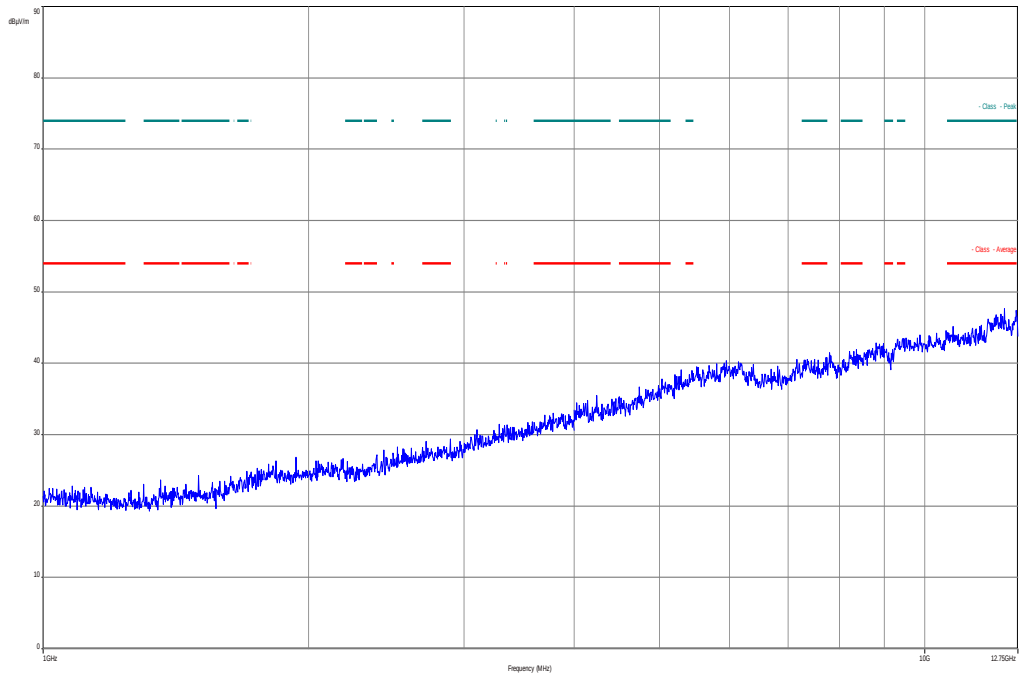
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

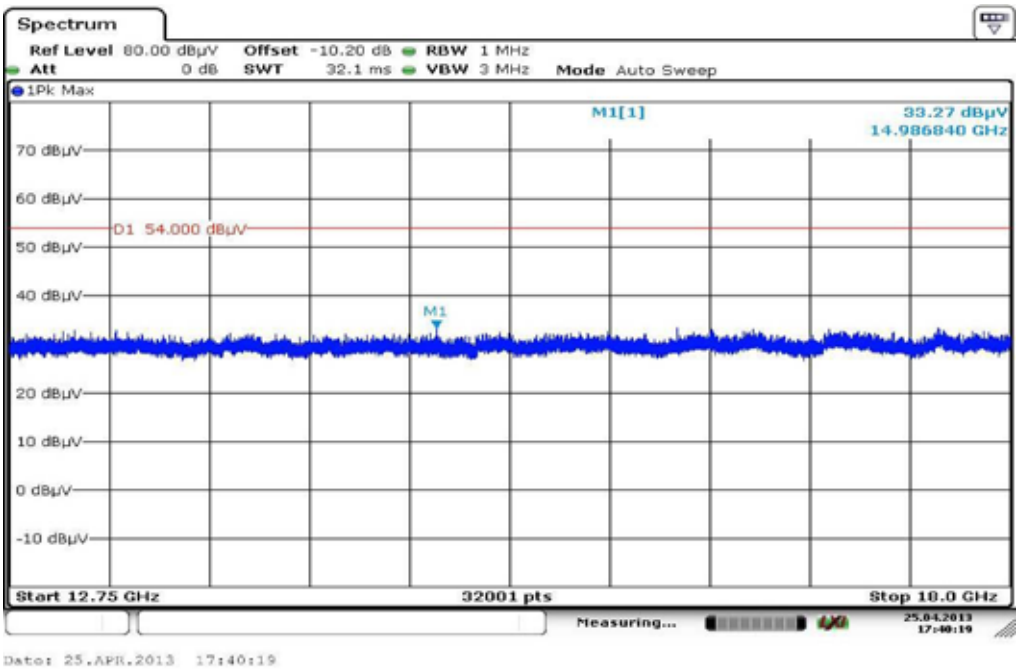
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
49.838100	18.5	1000.0	120.000	98.0	V	2.0	13.4	11.5	30.0	
106.482900	15.2	1000.0	120.000	121.0	V	-5.0	11.3	18.3	33.5	
149.524200	16.2	1000.0	120.000	105.0	V	261.0	8.9	17.3	33.5	
224.276700	18.9	1000.0	120.000	170.0	V	10.0	12.5	17.1	36.0	
520.498950	15.4	1000.0	120.000	170.0	V	280.0	19.0	20.6	36.0	
848.801550	21.3	1000.0	120.000	120.0	H	280.0	24.5	14.7	36.0	

Plot 2: Lowest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



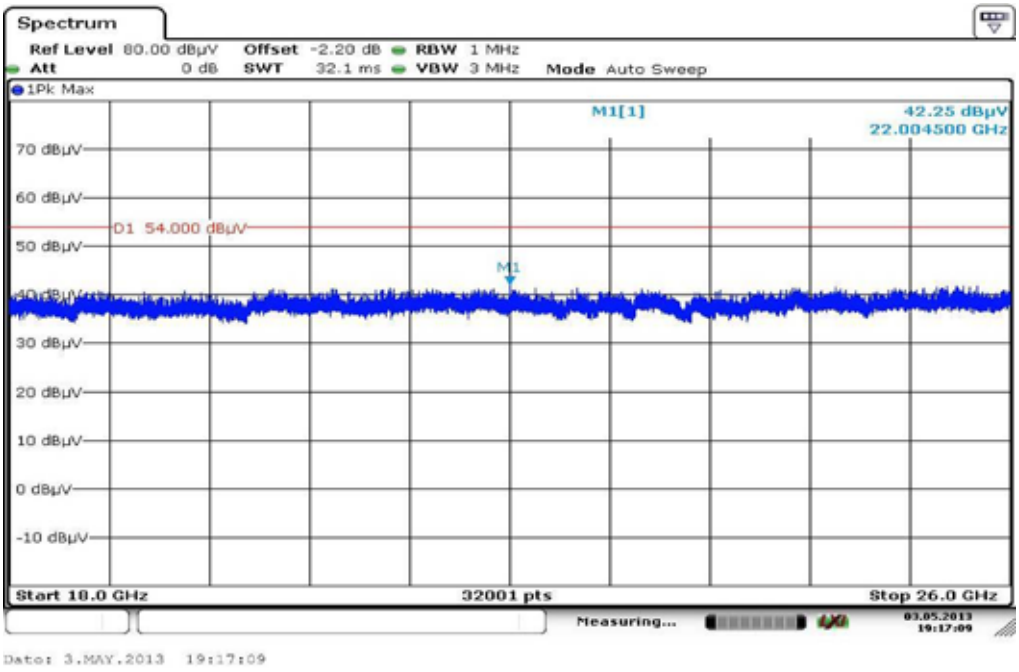
The carrier signal is notched with a 2.4 GHz band rejection filter.

Plot 3: Lowest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Date: 25.APR.2013 17:40:19

Plot 4: Lowest channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 5: Middle channel, 30 MHz to 1 GHz, vertical & horizontal polarization

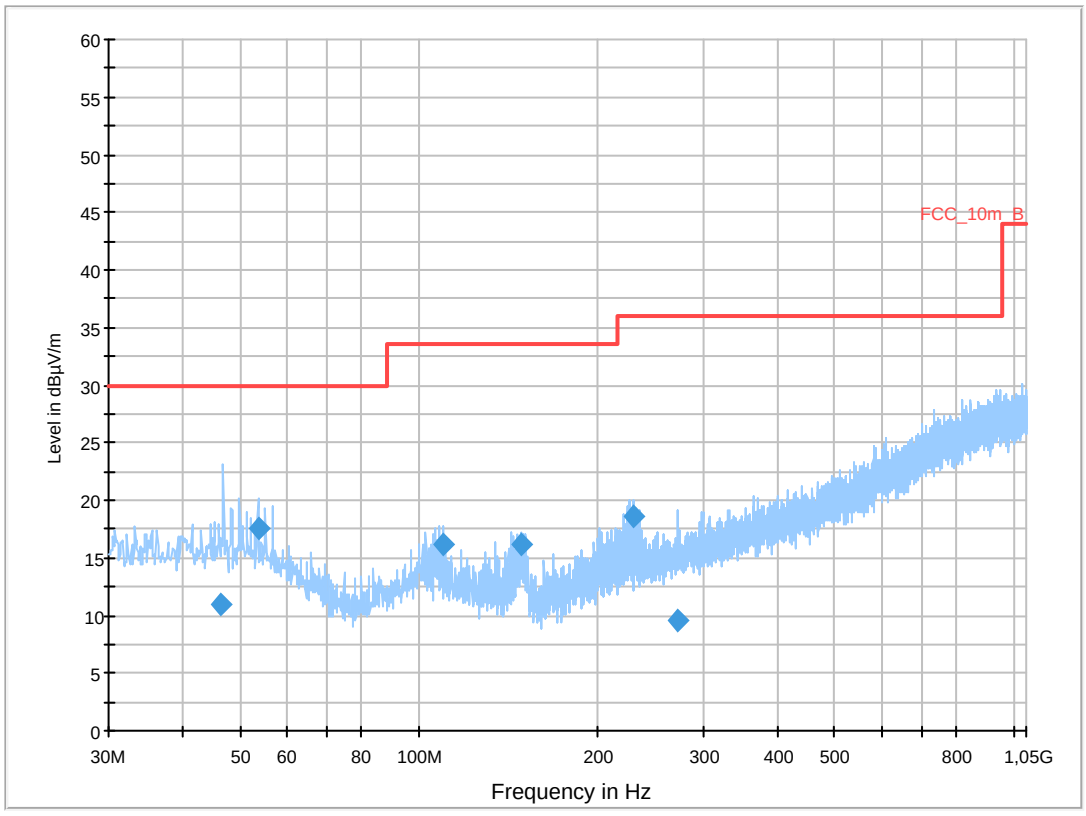
Common Information

EUT:	WLANBV2-A + antenna M3002-66494
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan tx n-mode HT20 ch6
Operator Name:	Wolsdorfer
Comment:	AC: 230 V / 50 Hz; grounded

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Receiver:	[ESCI 3]
Level Unit:	dBµV/m

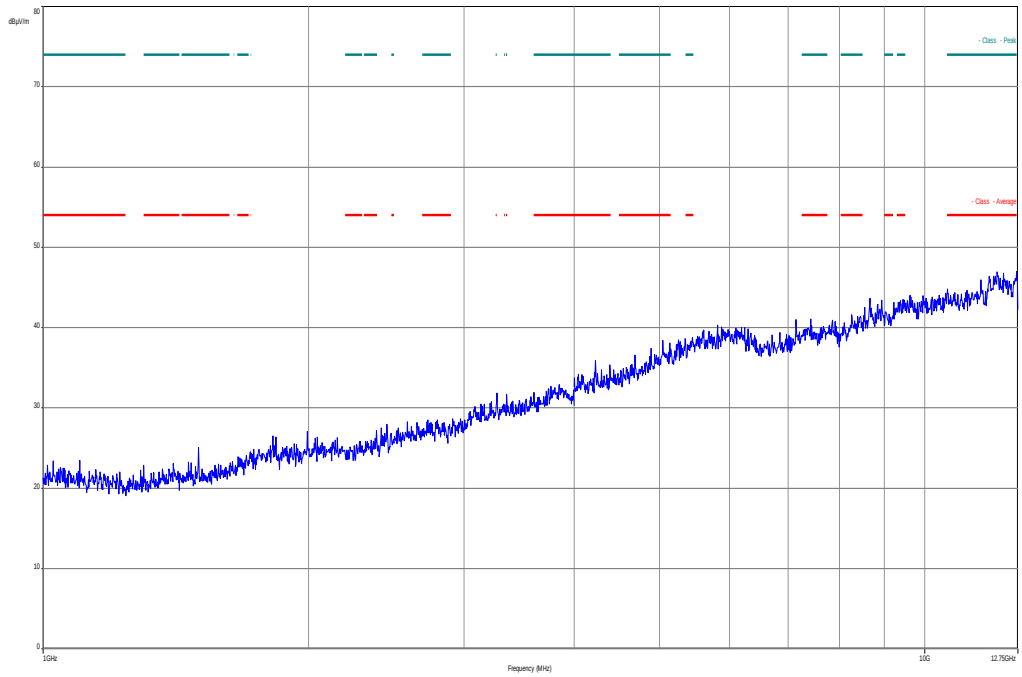
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

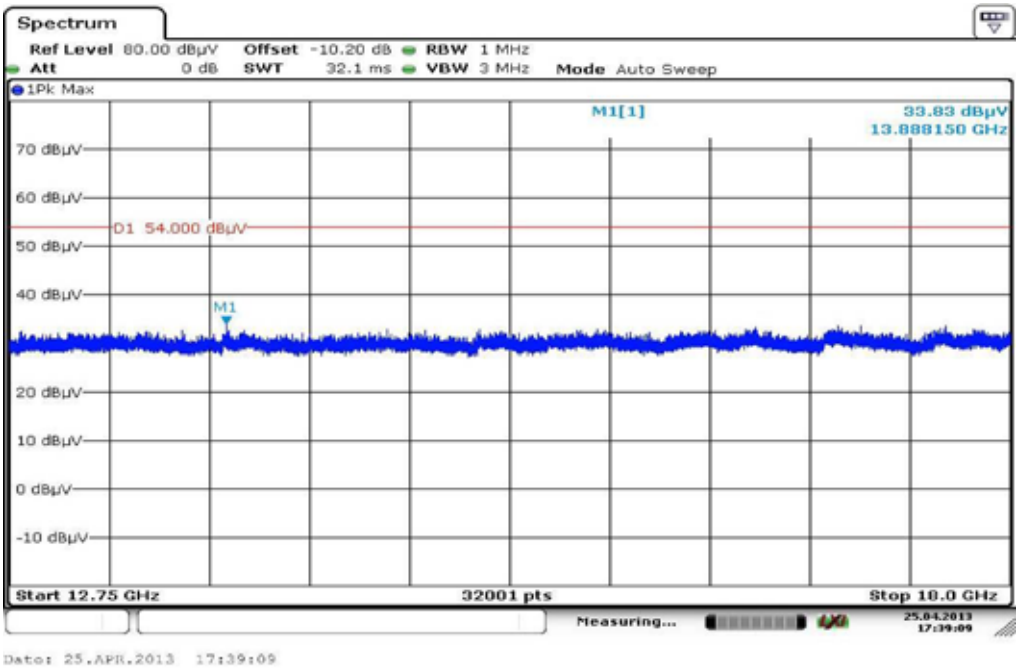
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
46.243650	11.0	1000.0	120.000	98.0	V	182.0	13.3	19.0	30.0	
53.606250	17.6	1000.0	120.000	112.0	V	-10.0	13.0	12.4	30.0	
109.474950	16.2	1000.0	120.000	170.0	V	-10.0	11.1	17.3	33.5	
147.995100	16.2	1000.0	120.000	98.0	V	280.0	8.9	17.3	33.5	
228.788100	18.6	1000.0	120.000	134.0	V	10.0	12.7	17.4	36.0	
271.394550	9.5	1000.0	120.000	170.0	H	280.0	13.8	26.5	36.0	

Plot 6: Middle channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



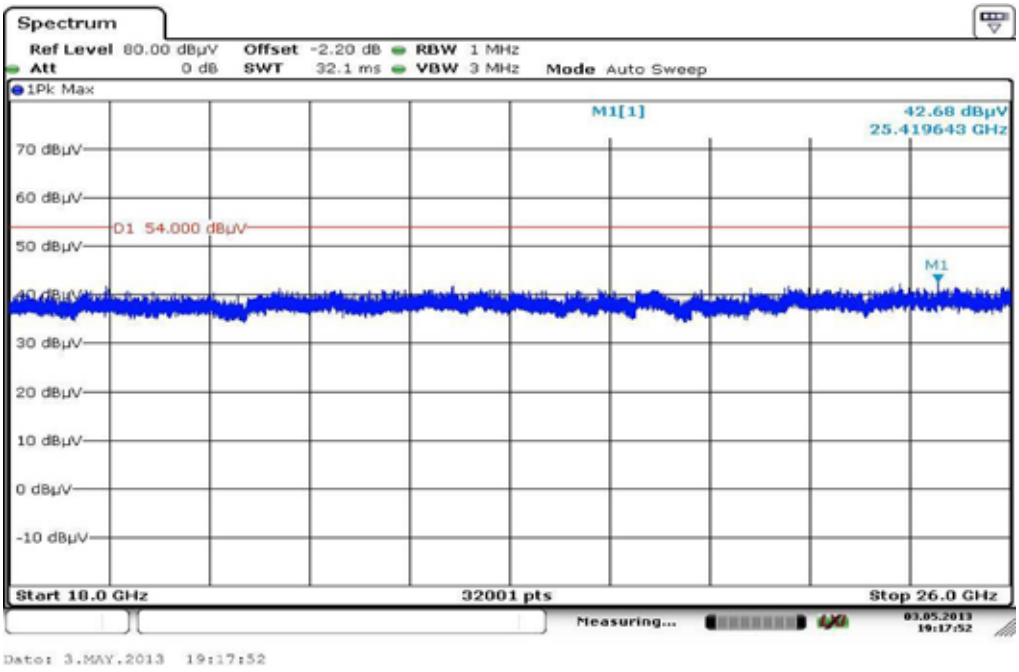
The carrier signal is notched with a 2.4 GHz band rejection filter.

Plot 7: Middle channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Date: 25.APR.2013 17:39:09

Plot 8: Middle channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 9: Highest channel, 30 MHz to 1 GHz, vertical & horizontal polarization

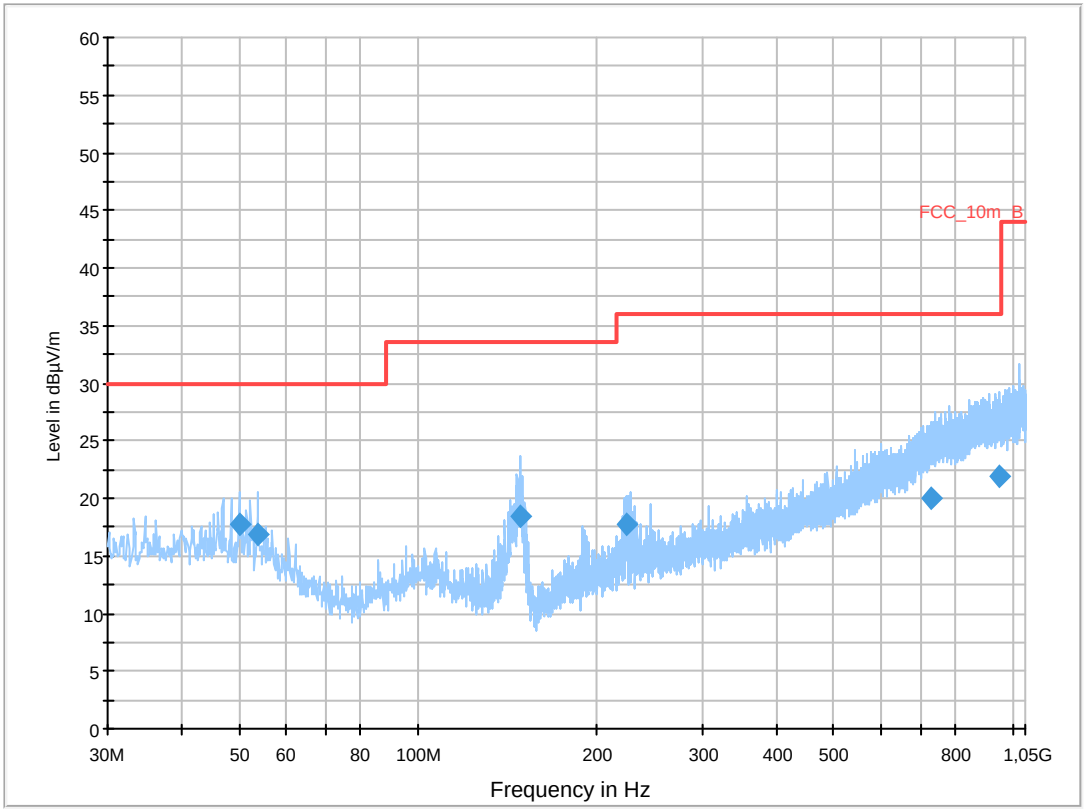
Common Information

EUT:	WLANBV2-A + antenna M3002-66494
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan tx n-mode HT20 ch11
Operator Name:	Wolsdorfer
Comment:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Receiver:	[ESCI 3]
Level Unit:	dBµV/m

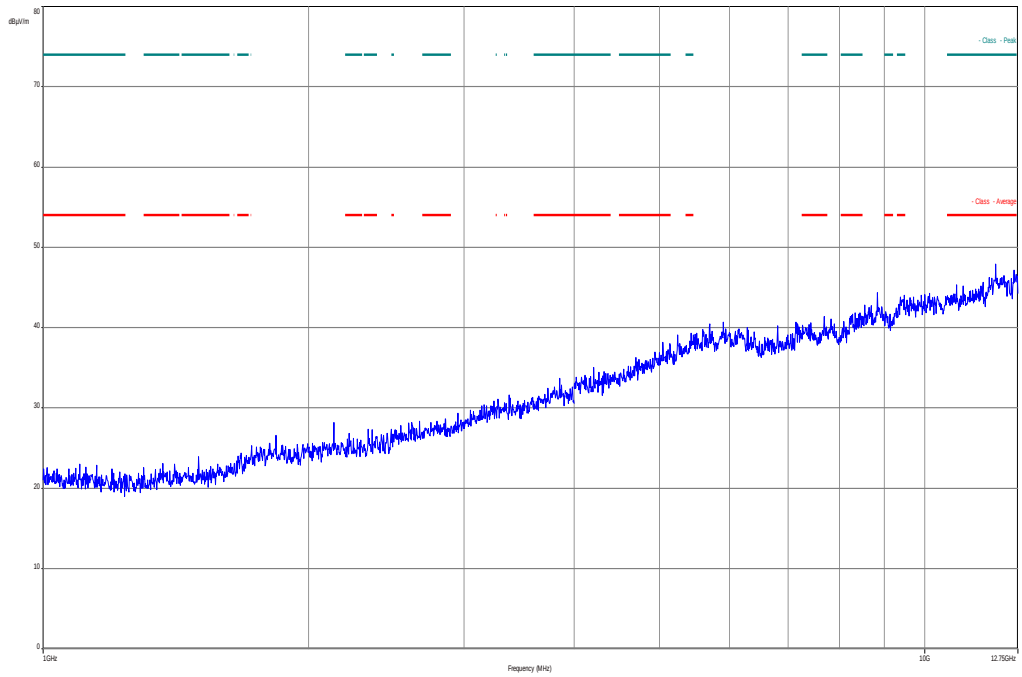
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

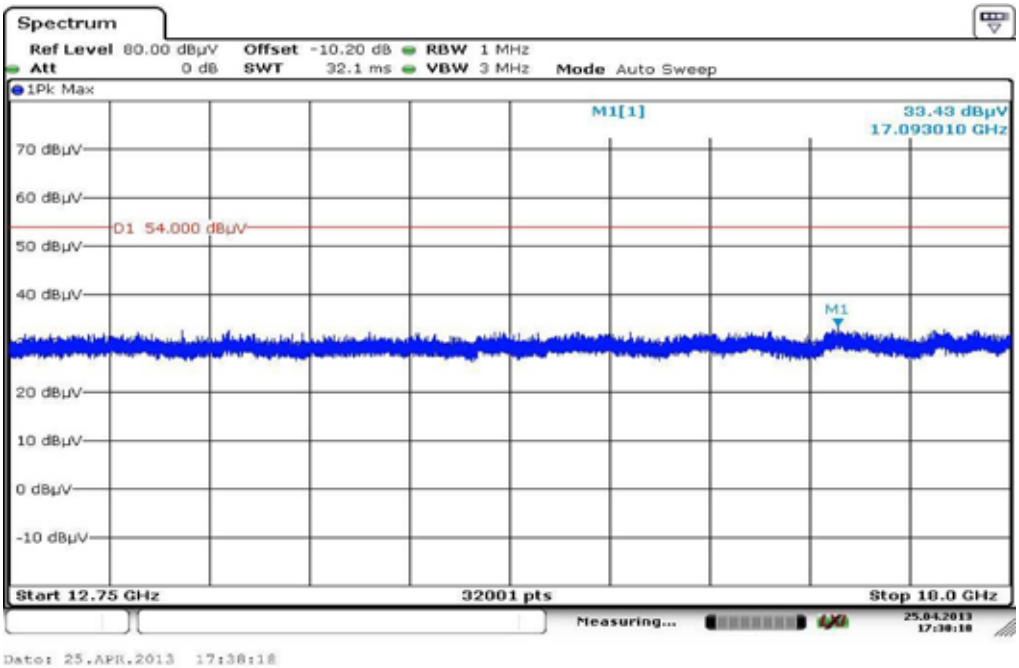
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
49.886100	17.8	1000.0	120.000	98.0	V	-5.0	13.4	12.2	30.0	
53.666700	16.9	1000.0	120.000	170.0	V	100.0	13.0	13.1	30.0	
148.159650	18.5	1000.0	120.000	170.0	V	0.0	8.9	15.0	33.5	
224.514450	17.7	1000.0	120.000	170.0	H	-10.0	12.5	18.3	36.0	
730.710900	19.9	1000.0	120.000	170.0	H	88.0	23.2	16.1	36.0	
947.430900	21.9	1000.0	120.000	120.0	H	-5.0	25.3	14.1	36.0	

Plot 10: Highest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization

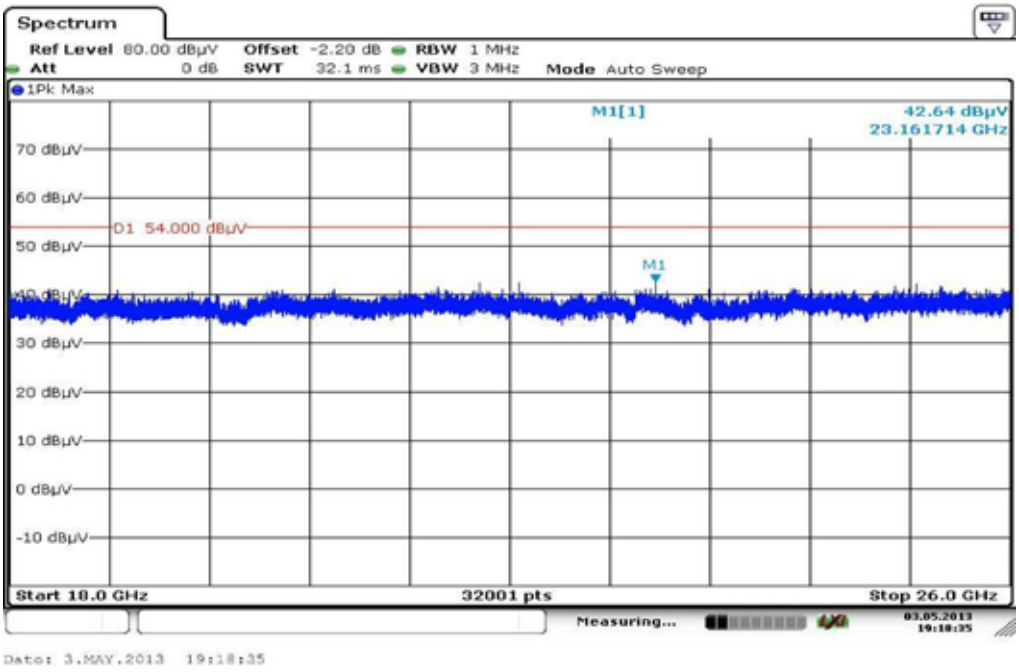


The carrier signal is notched with a 2.4 GHz band rejection filter.

Plot 11: Highest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Plot 12: Highest channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plots: OFDM / n – mode HT40 (ANT M3002-66494)

Plot 1: Lowest channel, 30 MHz to 1 GHz, vertical & horizontal polarization

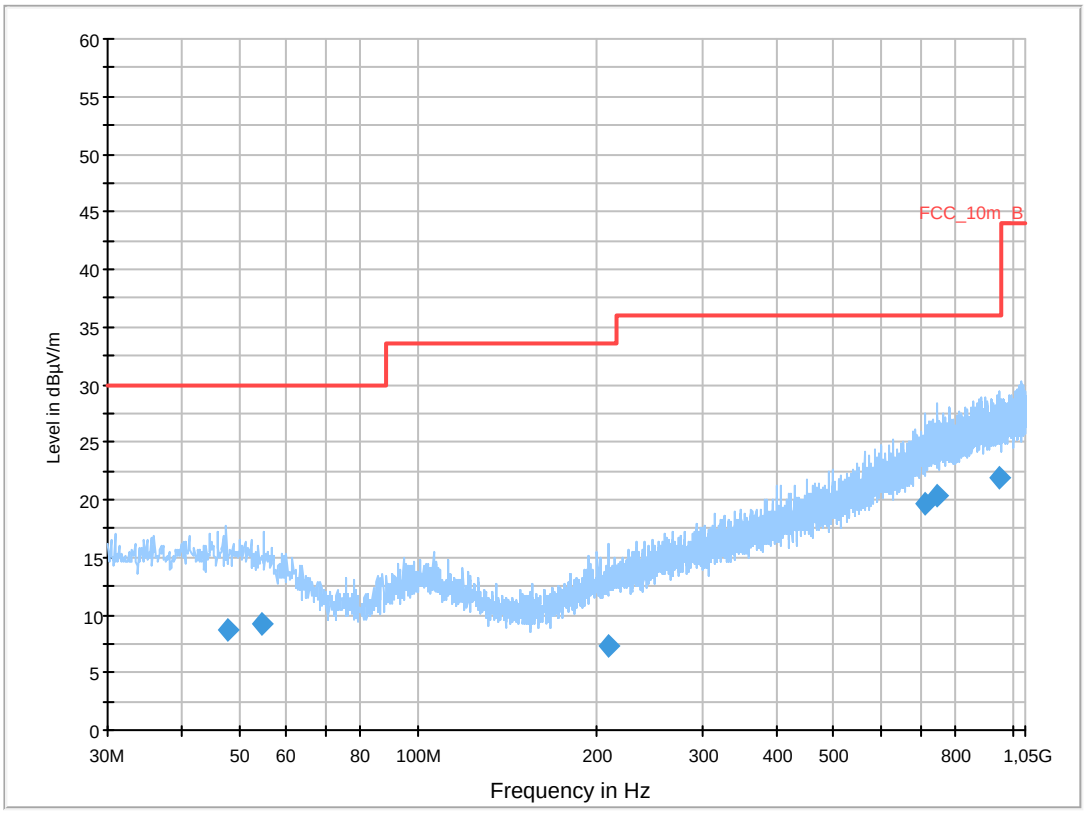
Common Information

EUT:	WLANBV2-A + antenna M3002-66494
Serial Number:	eval 2
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan n-mode HT 40 tx @2412MHz
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Receiver:	[ESCI 3]
Level Unit:	dBµV/m

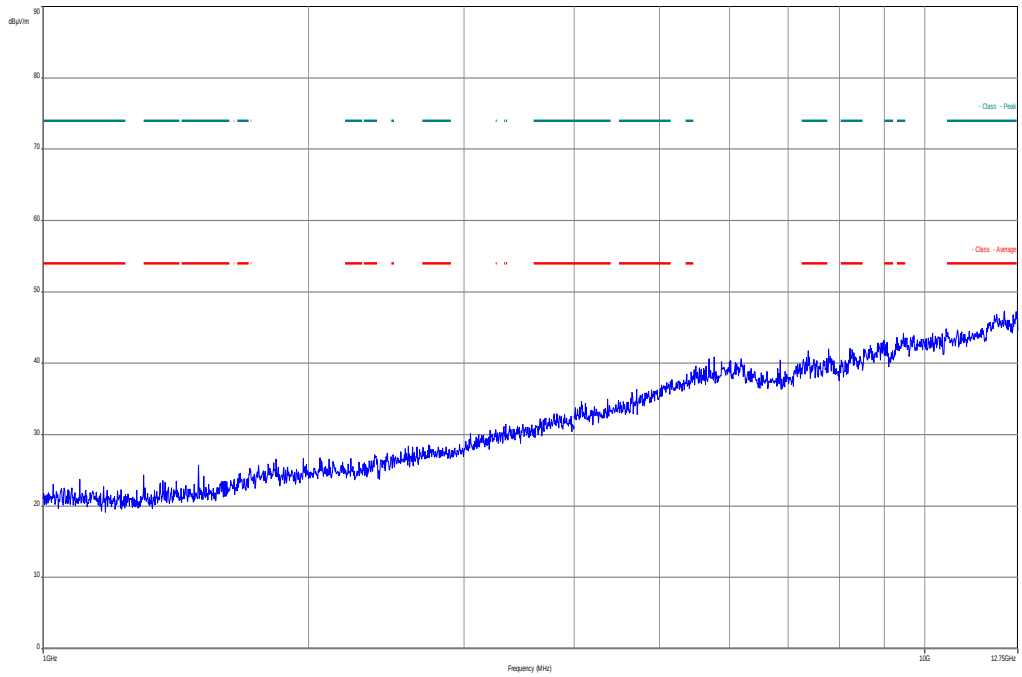
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

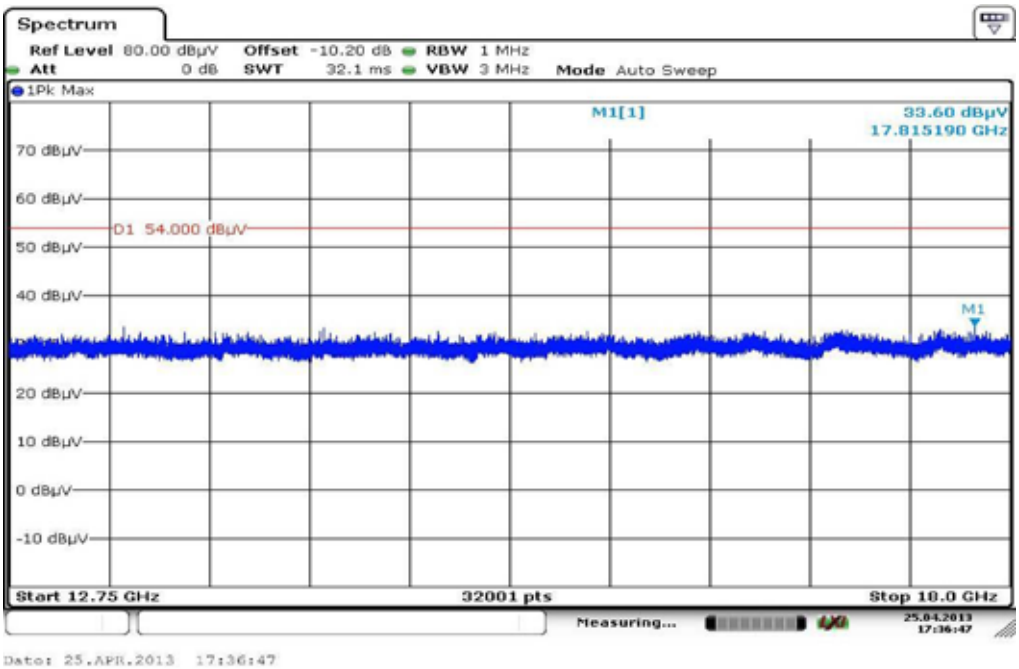
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
47.811900	8.7	1000.0	120.000	120.0	H	182.0	13.3	21.3	30.0	
54.513600	9.3	1000.0	120.000	170.0	V	10.0	12.9	20.7	30.0	
208.800450	7.4	1000.0	120.000	170.0	H	261.0	12.0	26.1	33.5	
714.260250	19.6	1000.0	120.000	170.0	H	81.0	22.8	16.4	36.0	
748.356600	20.3	1000.0	120.000	170.0	H	-9.0	23.6	15.7	36.0	
947.716350	21.9	1000.0	120.000	170.0	V	-2.0	25.3	14.1	36.0	

Plot 2: Lowest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



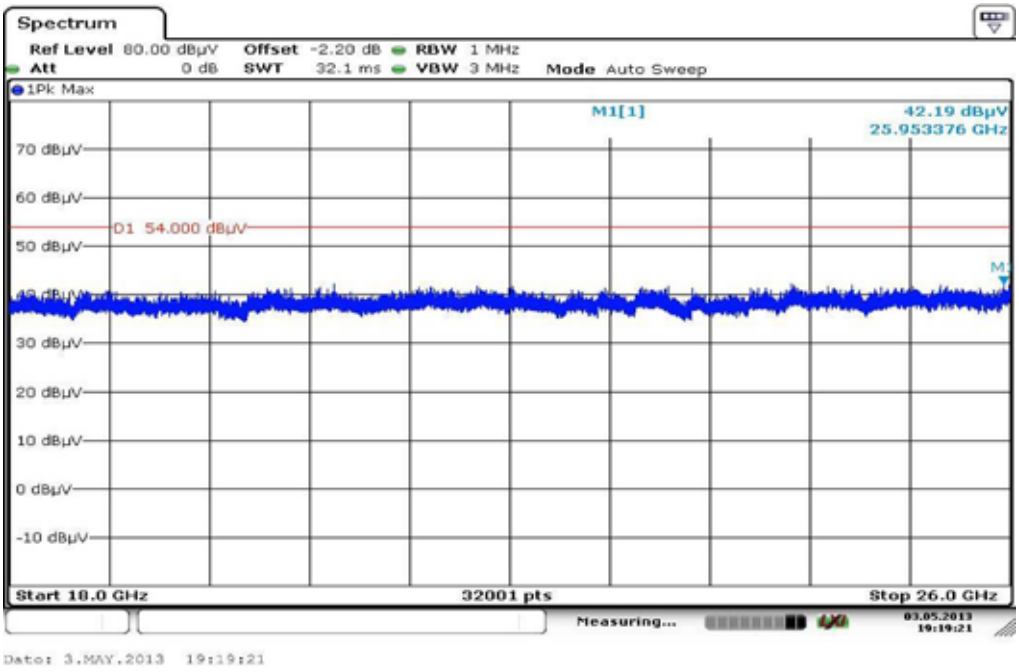
The carrier signal is notched with a 2.4 GHz band rejection filter.

Plot 3: Lowest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Date: 25.APR.2013 17:36:47

Plot 4: Lowest channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 5: Middle channel, 30 MHz to 1 GHz, vertical & horizontal polarization

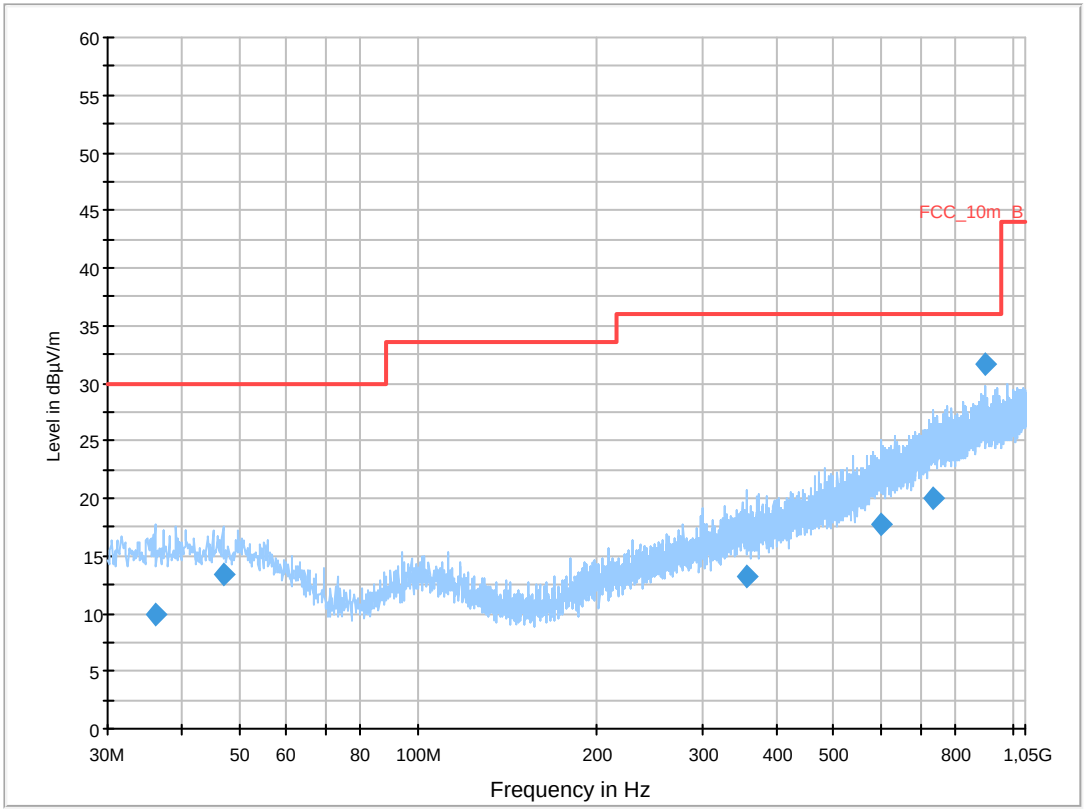
Common Information

EUT:	WLANBV2-A + antenna M3002-66494
Serial Number:	eval 2
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan n-mode HT 40 tx @2442MHz
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Receiver:	[ESCI 3]
Level Unit:	dBµV/m

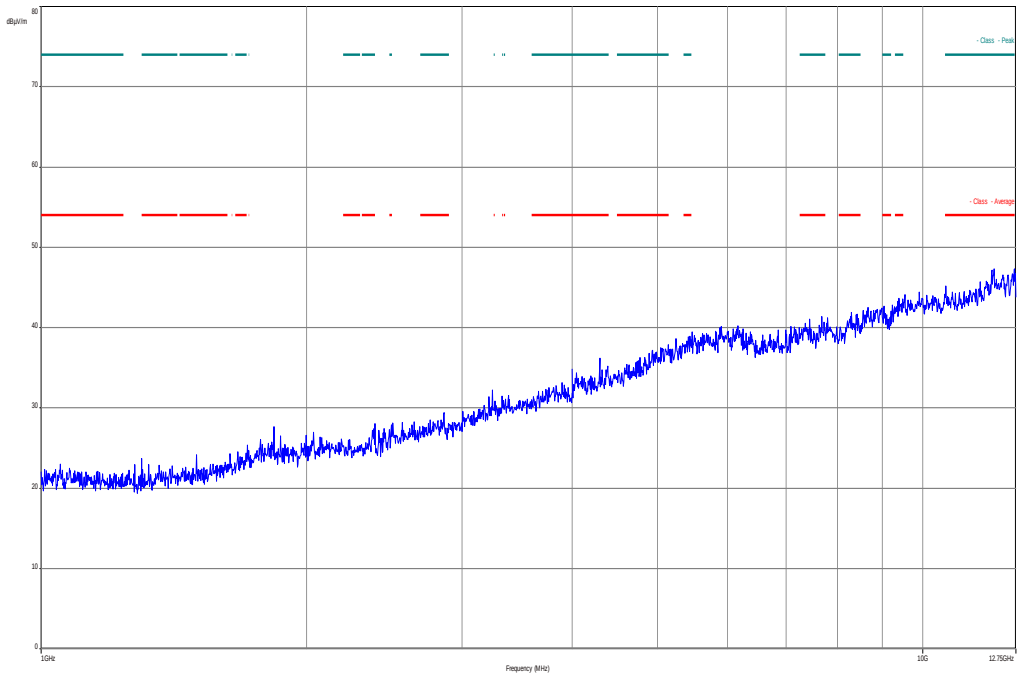
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

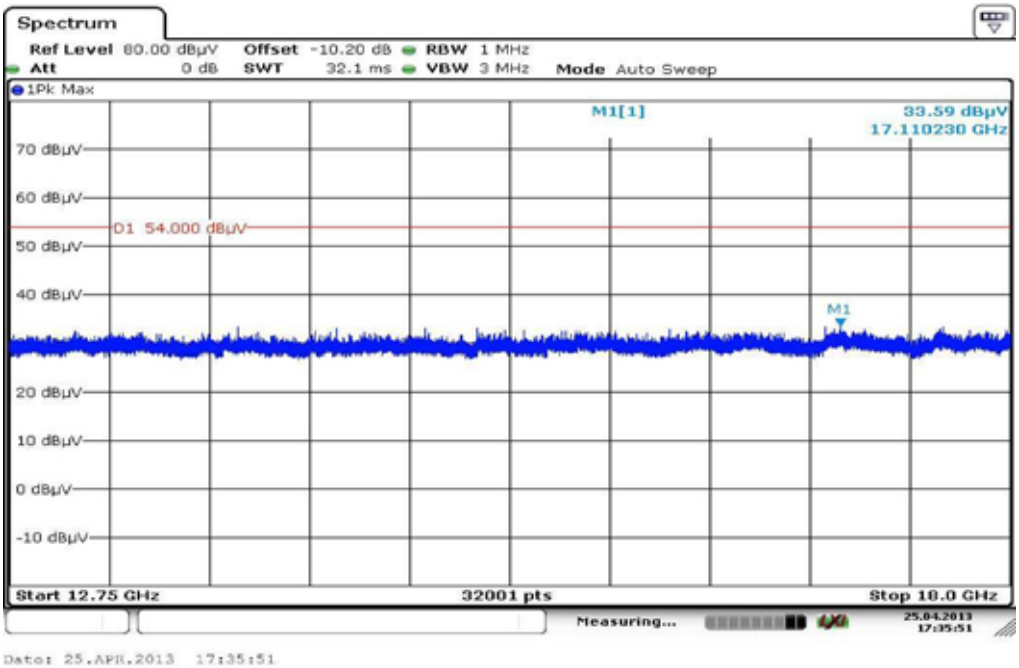
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
36.263250	9.8	1000.0	120.000	132.0	V	175.0	13.1	20.2	30.0	
46.977000	13.4	1000.0	120.000	104.0	V	10.0	13.3	16.6	30.0	
357.922650	13.3	1000.0	120.000	170.0	V	273.0	16.2	22.7	36.0	
599.929050	17.8	1000.0	120.000	105.0	V	100.0	20.8	18.2	36.0	
735.087300	20.1	1000.0	120.000	170.0	V	81.0	23.3	15.9	36.0	
897.426000	31.7	1000.0	120.000	170.0	V	90.0	25.2	4.3	36.0	

Plot 6: Middle channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



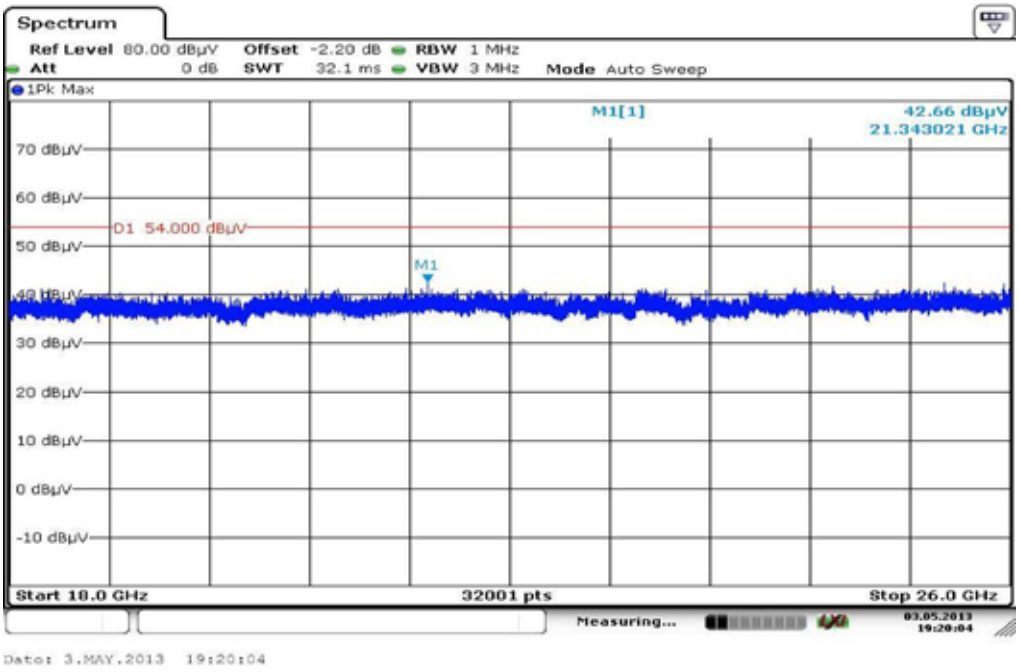
The carrier signal is notched with a 2.4 GHz band rejection filter.

Plot 7: Middle channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Date: 25.APR.2013 17:35:51

Plot 8: Middle channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 9: Highest channel, 30 MHz to 1 GHz, vertical & horizontal polarization

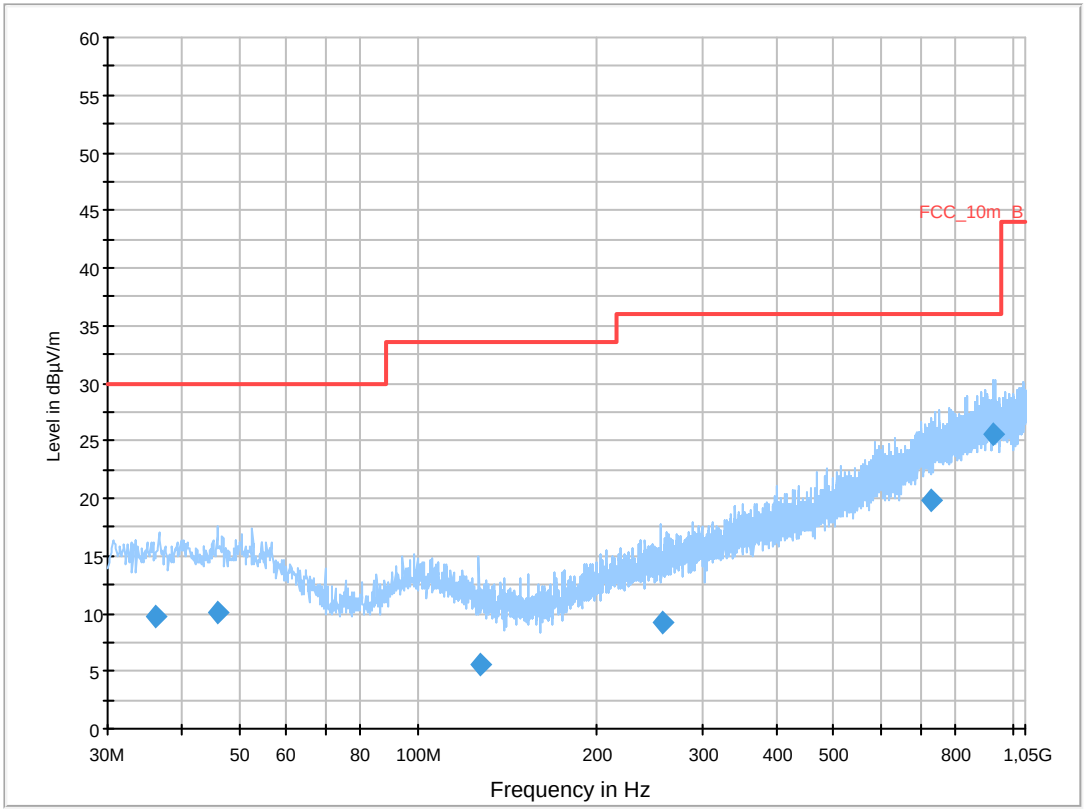
Common Information

EUT:	WLANBV2-A + antenna M3002-66494
Serial Number:	eval 2
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan n-mode HT 40 tx @2462MHz
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Receiver:	[ESCI 3]
Level Unit:	dBµV/m

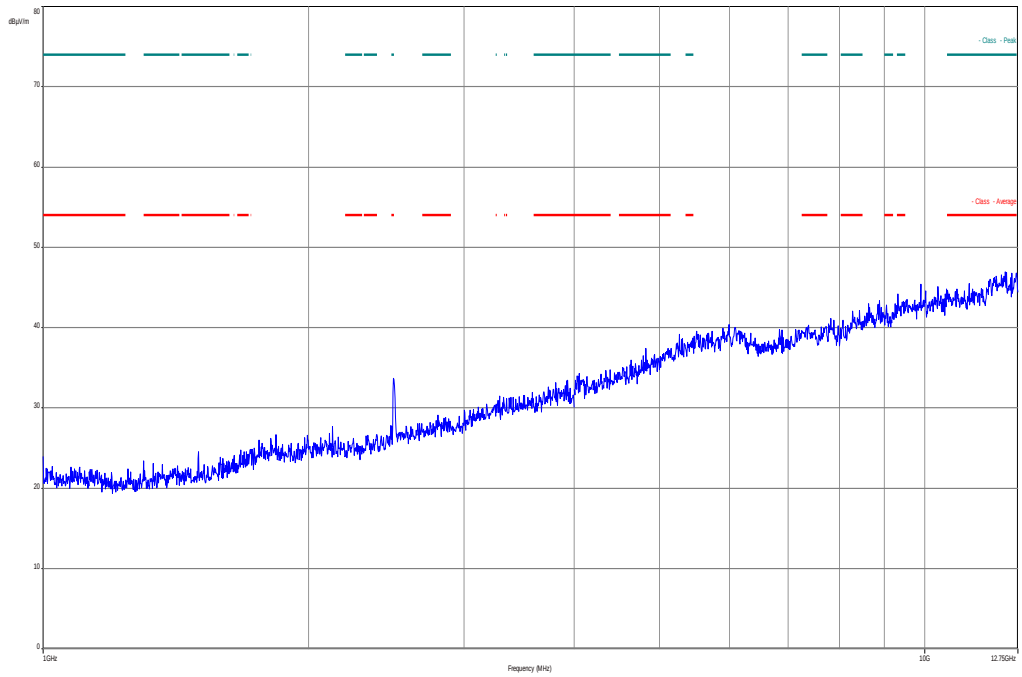
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

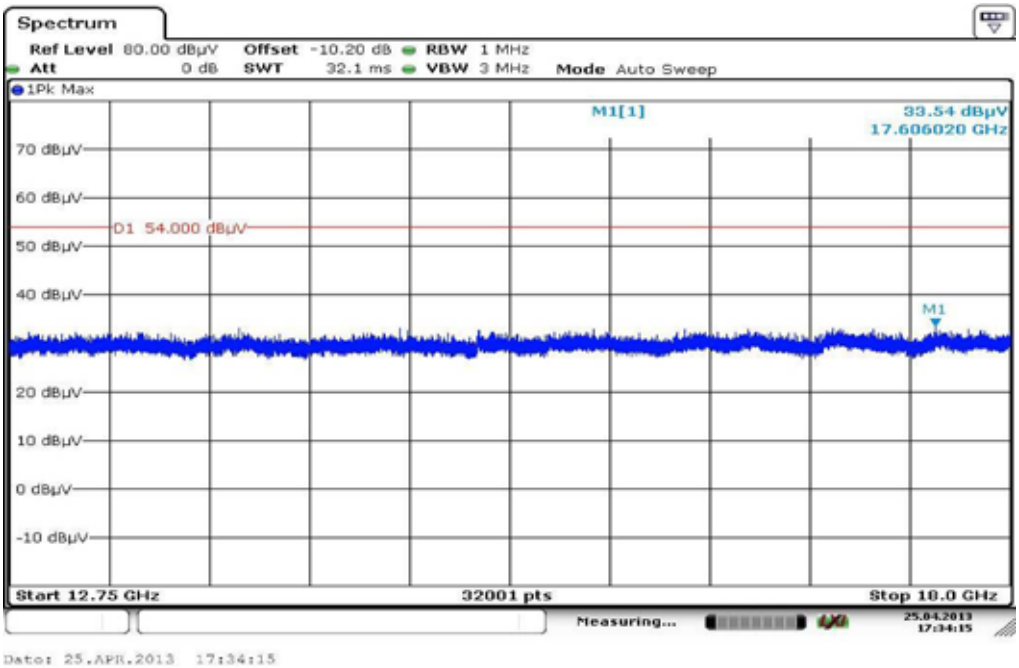
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
36.256800	9.8	1000.0	120.000	170.0	H	92.0	13.1	20.2	30.0	
45.808350	10.0	1000.0	120.000	98.0	V	-10.0	13.3	20.0	30.0	
126.803700	5.6	1000.0	120.000	111.0	V	92.0	9.7	27.9	33.5	
256.633200	9.2	1000.0	120.000	154.0	V	80.0	13.5	26.8	36.0	
727.590000	19.9	1000.0	120.000	104.0	V	92.0	23.1	16.1	36.0	
927.464250	25.6	1000.0	120.000	120.0	V	81.0	25.3	10.4	36.0	

Plot 10: Highest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



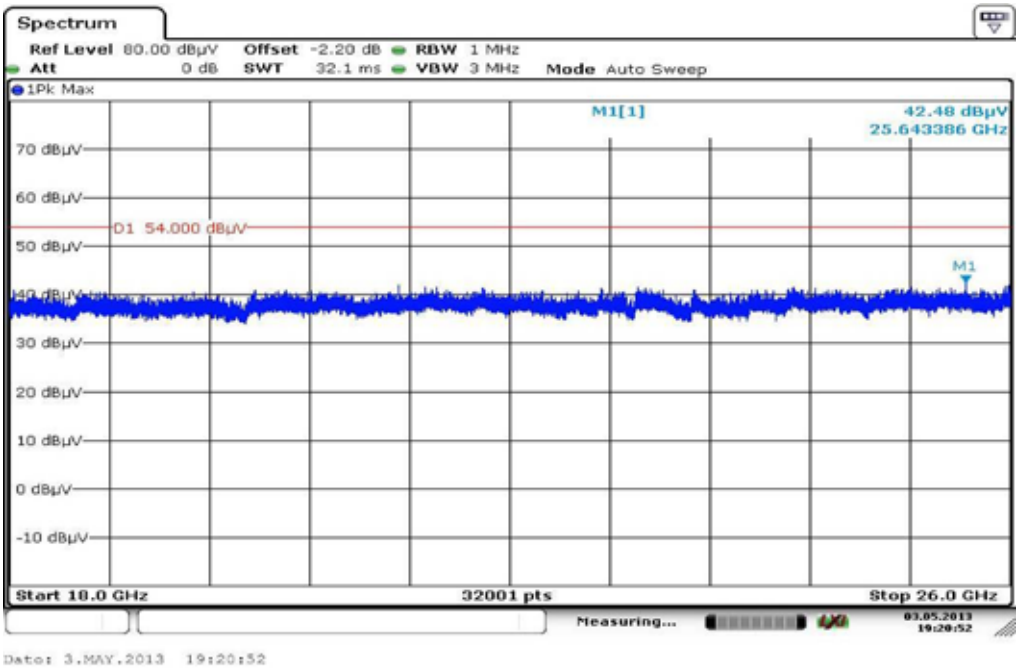
The carrier signal is notched with a 2.4 GHz band rejection filter.

Plot 11: Highest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Date: 25.APR.2013 17:34:15

Plot 12: Highest channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plots: DSSS / b – mode (ANT 453564154611)

Plot 1: Lowest channel, 30 MHz to 1 GHz, vertical & horizontal polarization

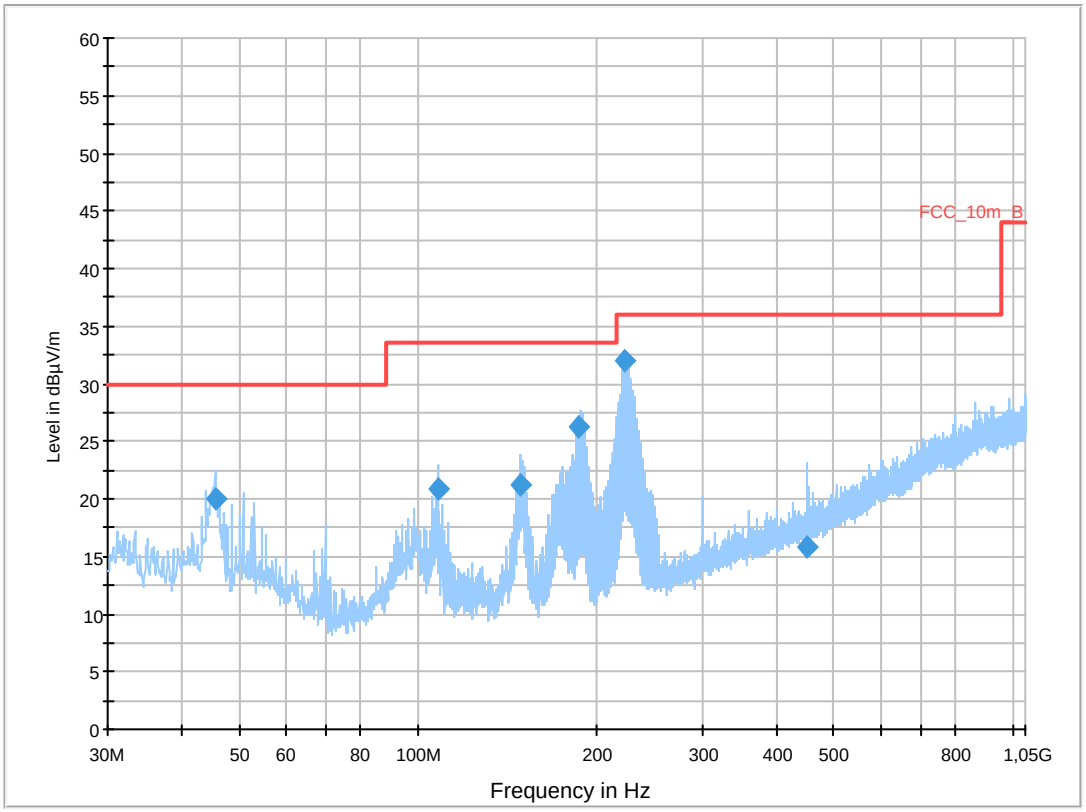
Common Information

EUT:	WLANBV2-A + antenna 453564154611
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan b-mode ch1
Operator Name:	Wolsdorfer
Comment:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Receiver:	[ESCI 3]
Level Unit:	dBµV/m

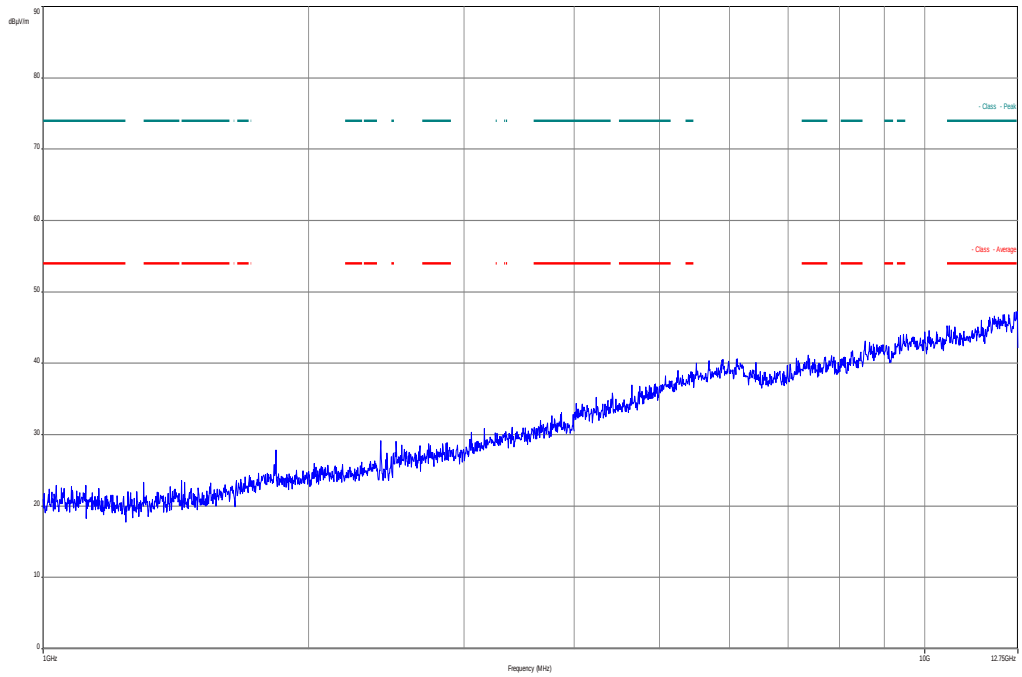
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

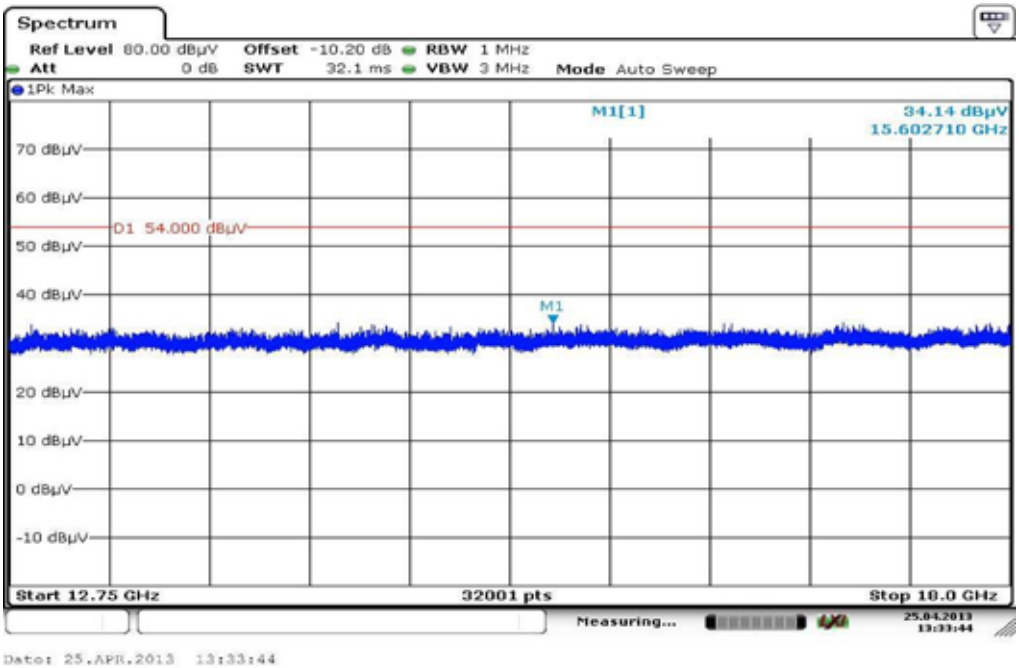
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
45.480000	20.1	1000.0	120.000	98.0	V	283.0	13.3	9.9	30.0	
107.640000	20.8	1000.0	120.000	121.0	V	192.0	11.2	12.7	33.5	
148.560000	21.2	1000.0	120.000	98.0	V	345.0	8.9	12.3	33.5	
186.480000	26.3	1000.0	120.000	98.0	V	119.0	10.9	7.2	33.5	
222.840000	32.0	1000.0	120.000	159.0	V	35.0	12.5	4.0	36.0	
449.520000	15.8	1000.0	120.000	98.0	V	42.0	17.7	20.2	36.0	

Plot 2: Lowest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



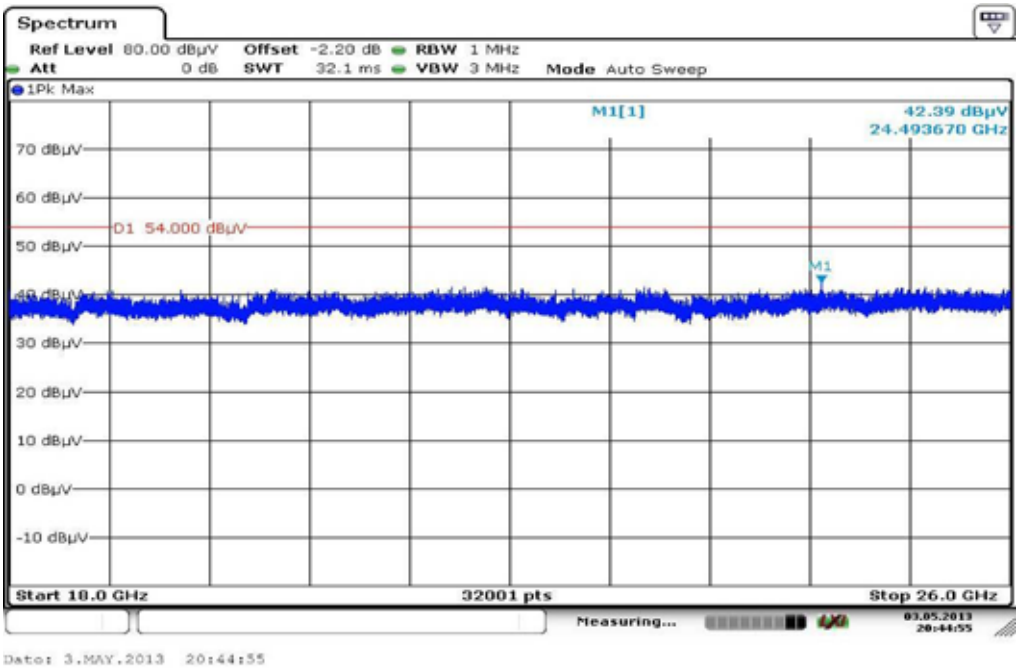
The carrier signal is notched with a 2.4 GHz band rejection filter.

Plot 3: Lowest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Date: 25.APR.2013 13:33:44

Plot 4: Lowest channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 5: Middle channel, 30 MHz to 1 GHz, vertical & horizontal polarization

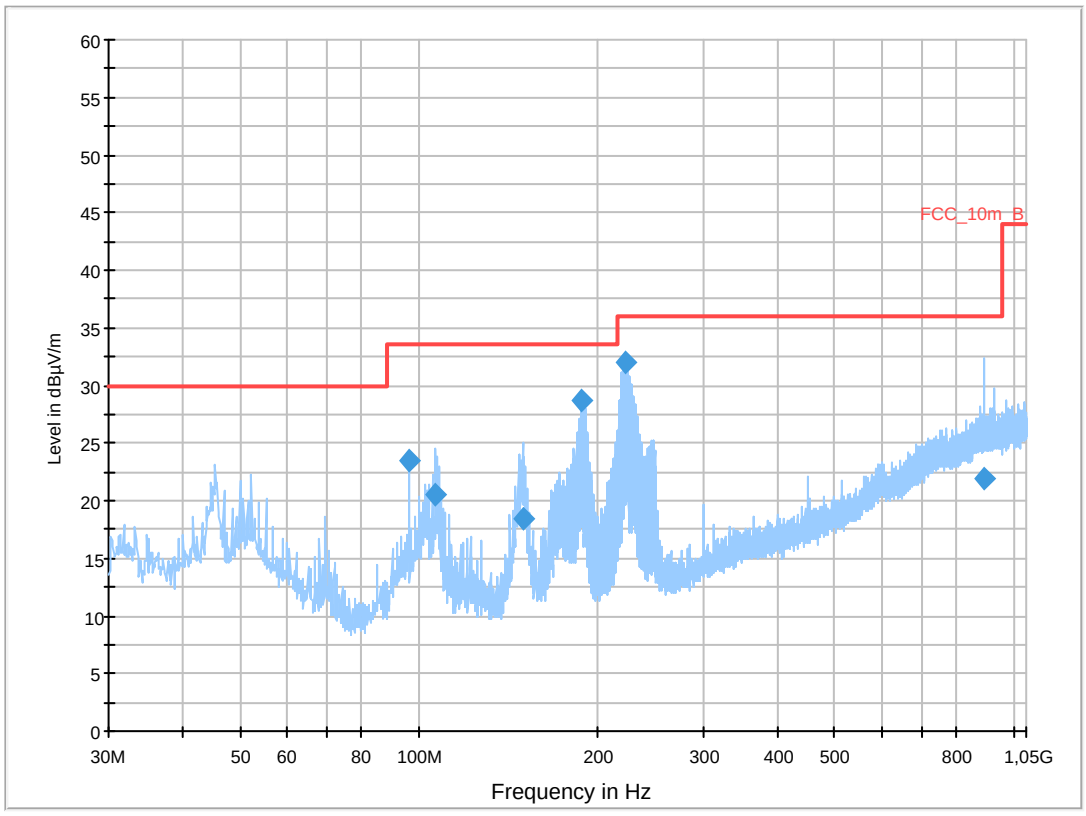
Common Information

EUT:	WLANBV2-A + antenna 453564154611
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan b-mode ch6
Operator Name:	Wolsdorfer
Comment:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Receiver:	[ESCI 3]
Level Unit:	dBµV/m

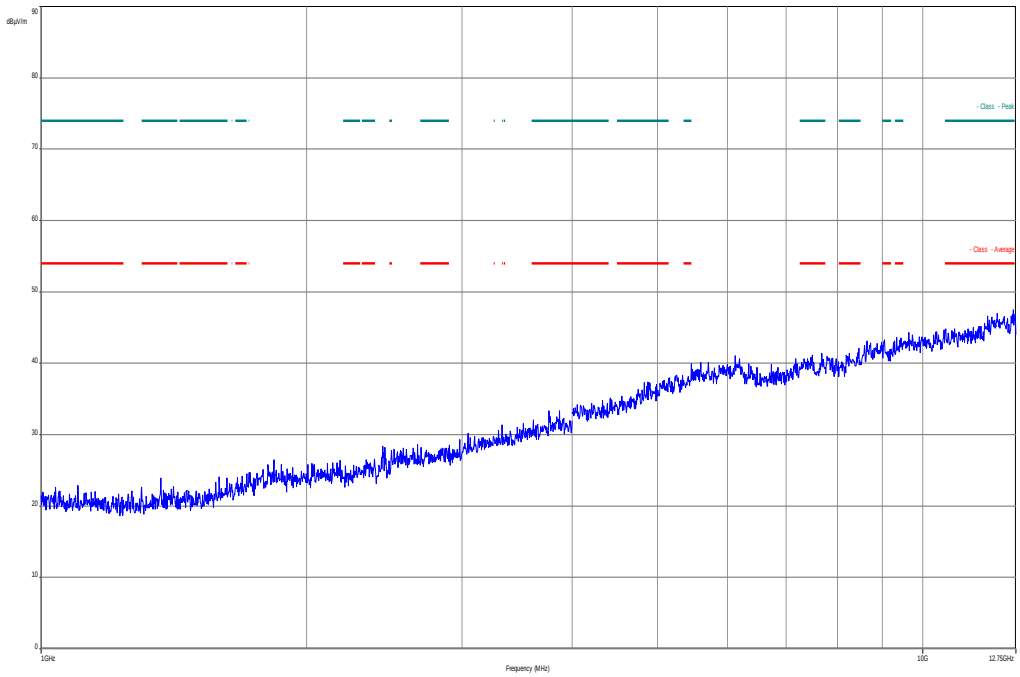
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

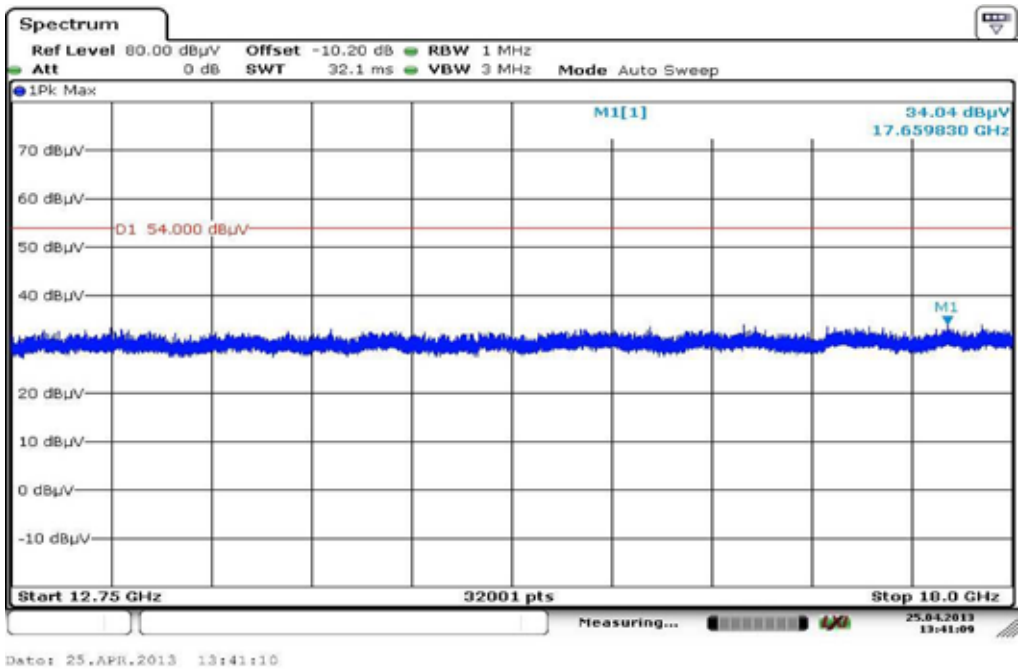
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
96.000000	23.4	1000.0	120.000	120.0	V	305.0	11.4	10.1	33.5	
106.680000	20.5	1000.0	120.000	159.0	V	163.0	11.3	13.0	33.5	
149.040000	18.4	1000.0	120.000	120.0	V	353.0	8.9	15.1	33.5	
187.560000	28.7	1000.0	120.000	98.0	V	41.0	10.9	4.8	33.5	
221.640000	31.9	1000.0	120.000	149.0	V	0.0	12.4	4.1	36.0	
890.640000	21.9	1000.0	120.000	172.0	V	163.0	25.1	14.1	36.0	

Plot 6: Middle channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization

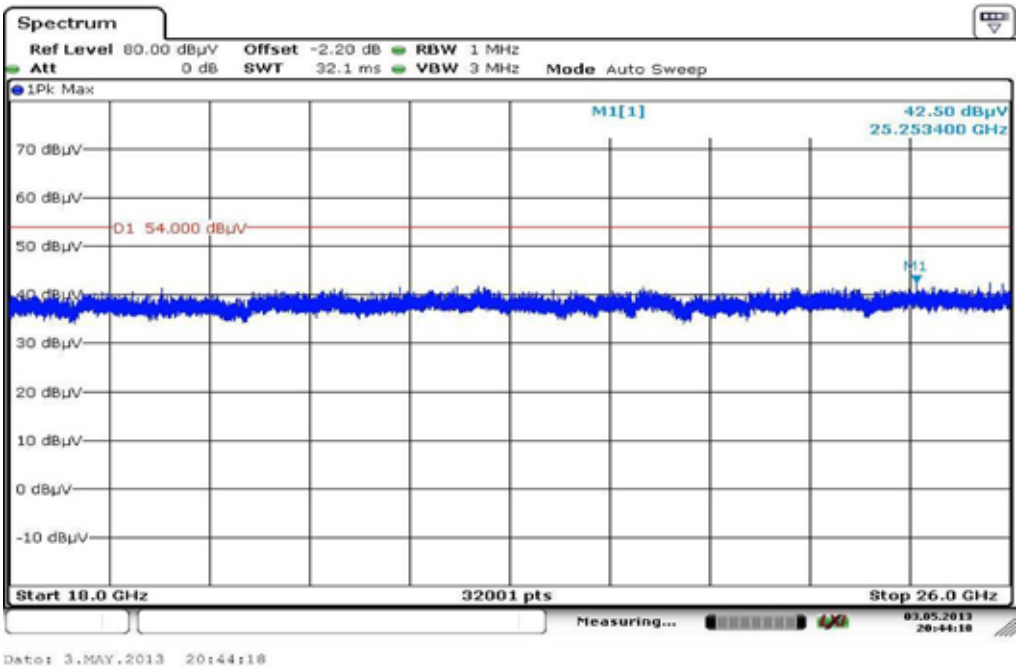


The carrier signal is notched with a 2.4 GHz band rejection filter.

Plot 7: Middle channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Plot 8: Middle channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 9: Highest channel, 30 MHz to 1 GHz, vertical & horizontal polarization

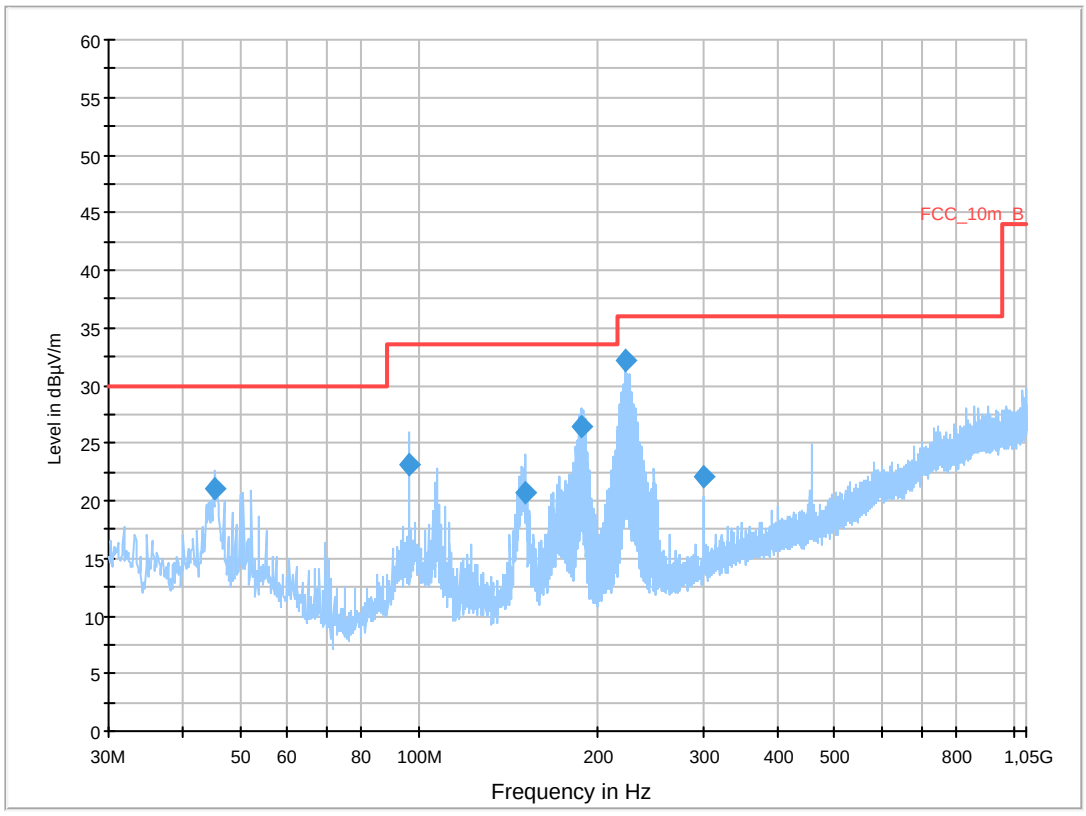
Common Information

EUT:	WLANBV2-A + antenna 453564154611
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan b-mode ch11
Operator Name:	Wolsdorfer
Comment:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Receiver:	[ESCI 3]
Level Unit:	dBµV/m

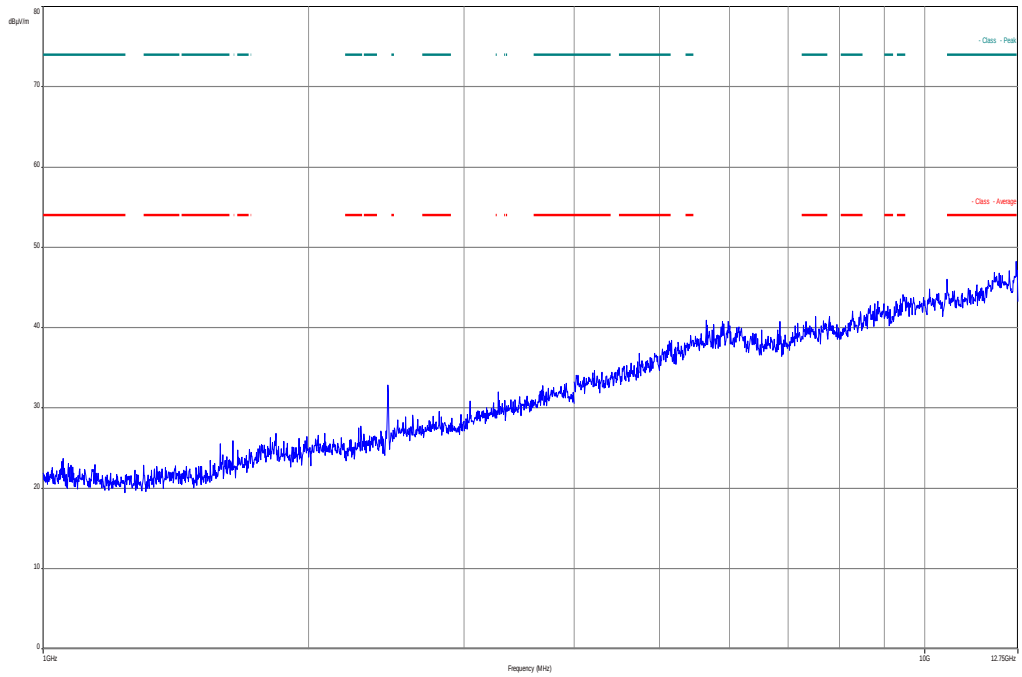
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

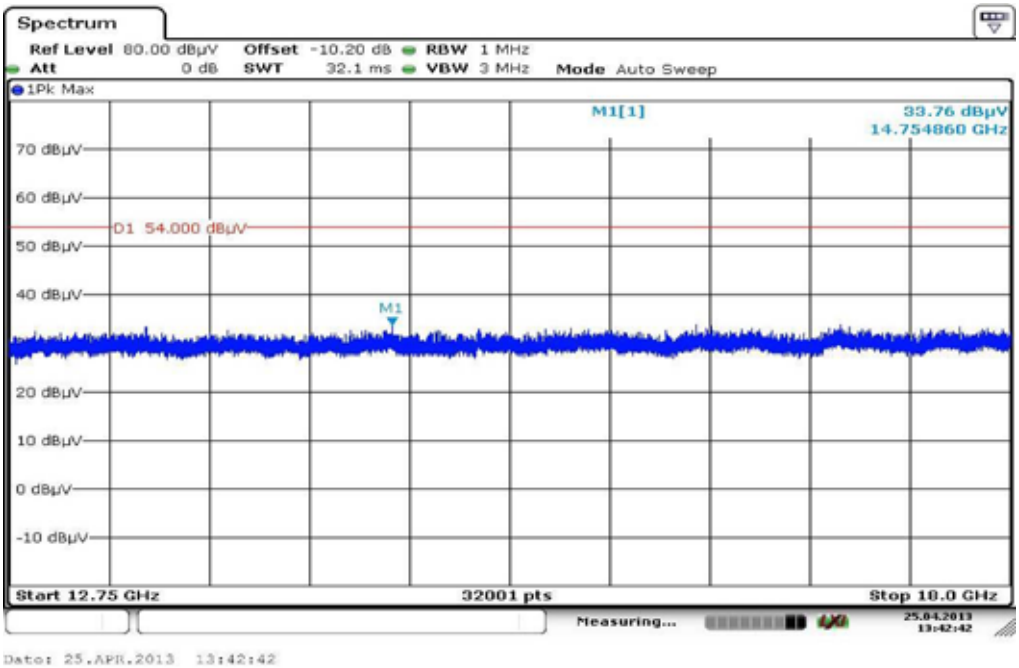
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
45.360000	21.1	1000.0	120.000	105.0	V	229.0	13.3	8.9	30.0	
96.000000	23.1	1000.0	120.000	98.0	V	0.0	11.4	10.4	33.5	
150.480000	20.6	1000.0	120.000	132.0	V	0.0	8.9	12.9	33.5	
187.560000	26.4	1000.0	120.000	200.0	V	49.0	10.9	7.1	33.5	
223.080000	32.3	1000.0	120.000	172.0	V	42.0	12.5	3.8	36.0	
300.000000	22.1	1000.0	120.000	270.0	H	0.0	14.5	13.9	36.0	

Plot 10: Highest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



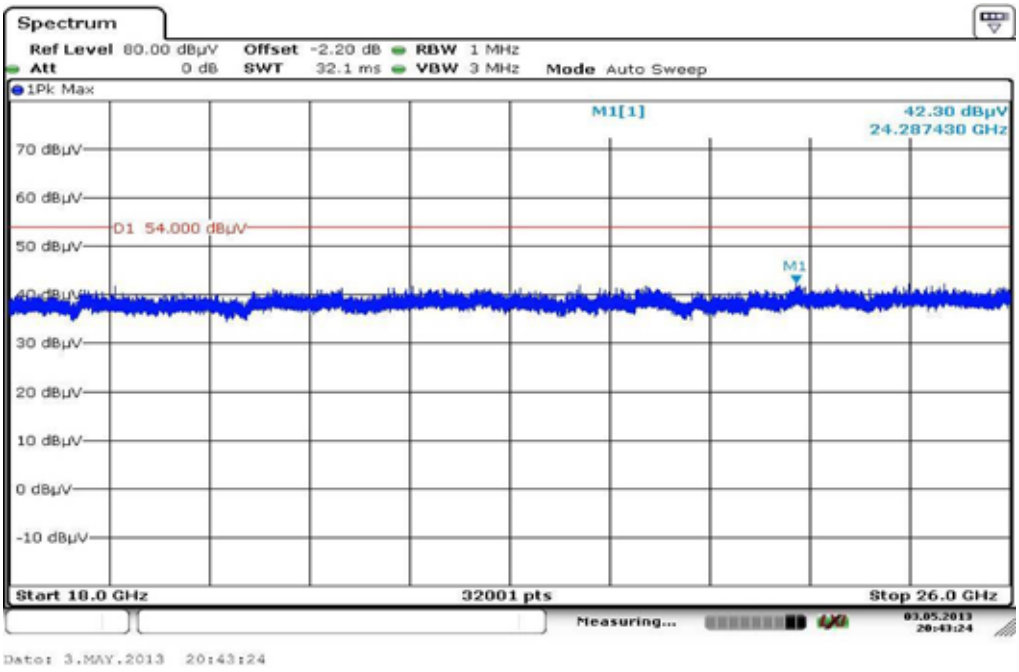
The carrier signal is notched with a 2.4 GHz band rejection filter.

Plot 11: Highest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Date: 25.APR.2013 13:42:42

Plot 12: Highest channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plots: OFDM / g – mode (ANT 453564154611)

Plot 1: Lowest channel, 30 MHz to 1 GHz, vertical & horizontal polarization

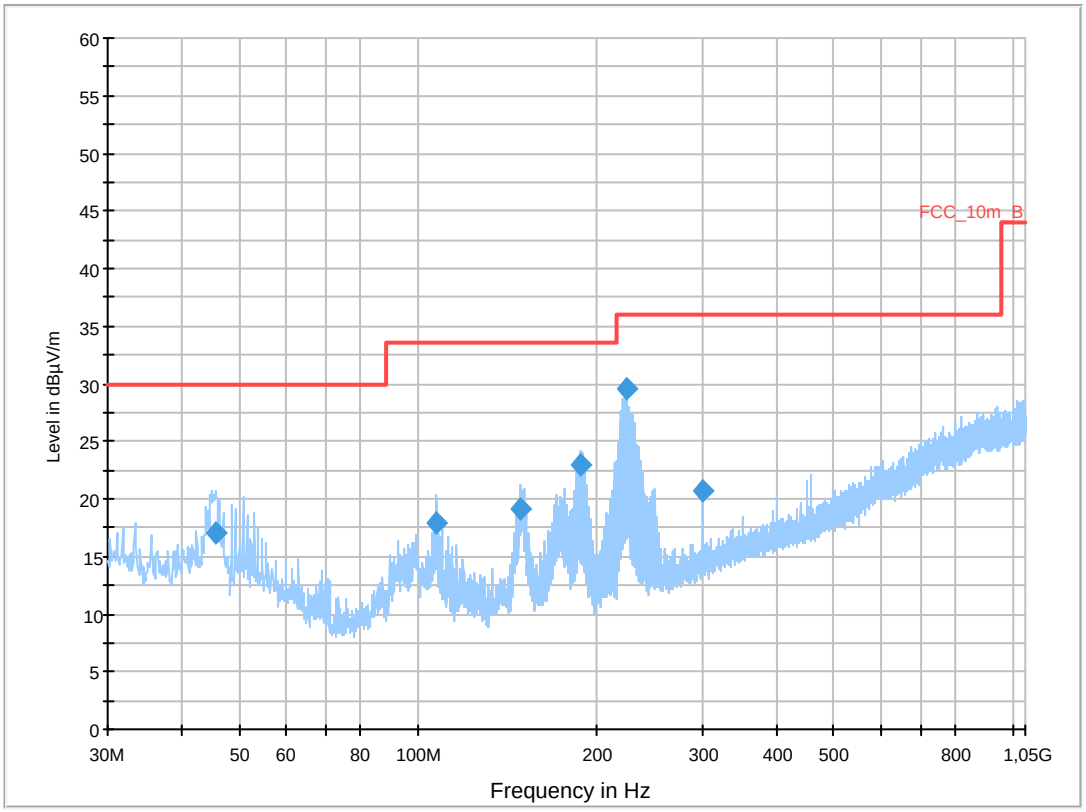
Common Information

EUT:	WLANBV2-A + antenna 453564154611
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan g-mode ch1
Operator Name:	Wolsdorfer
Comment:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Receiver:	[ESCI 3]
Level Unit:	dBµV/m

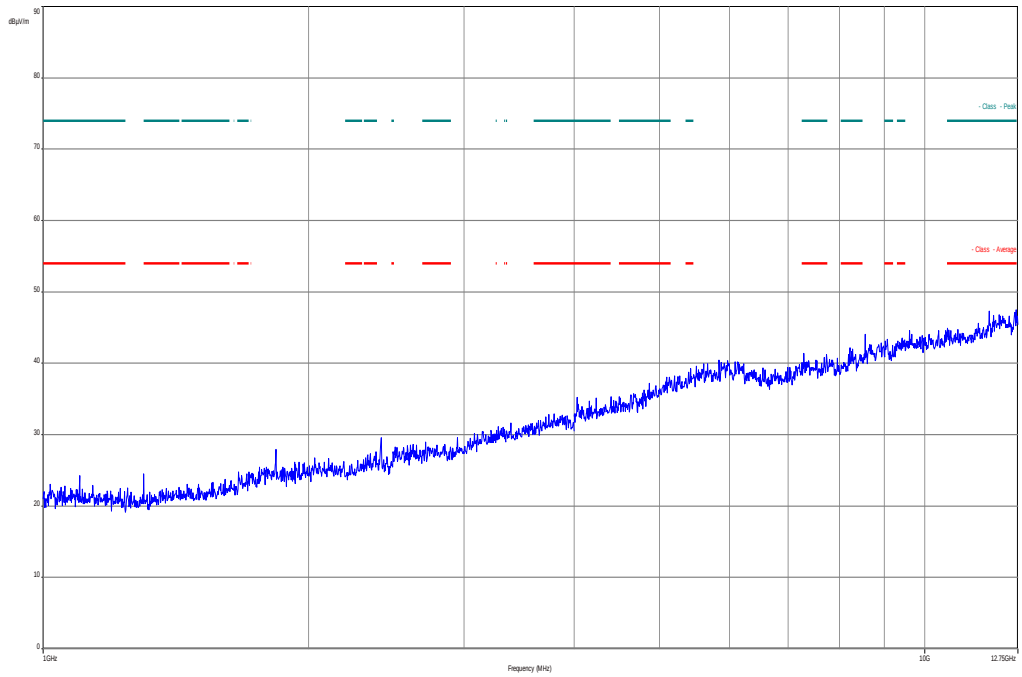
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

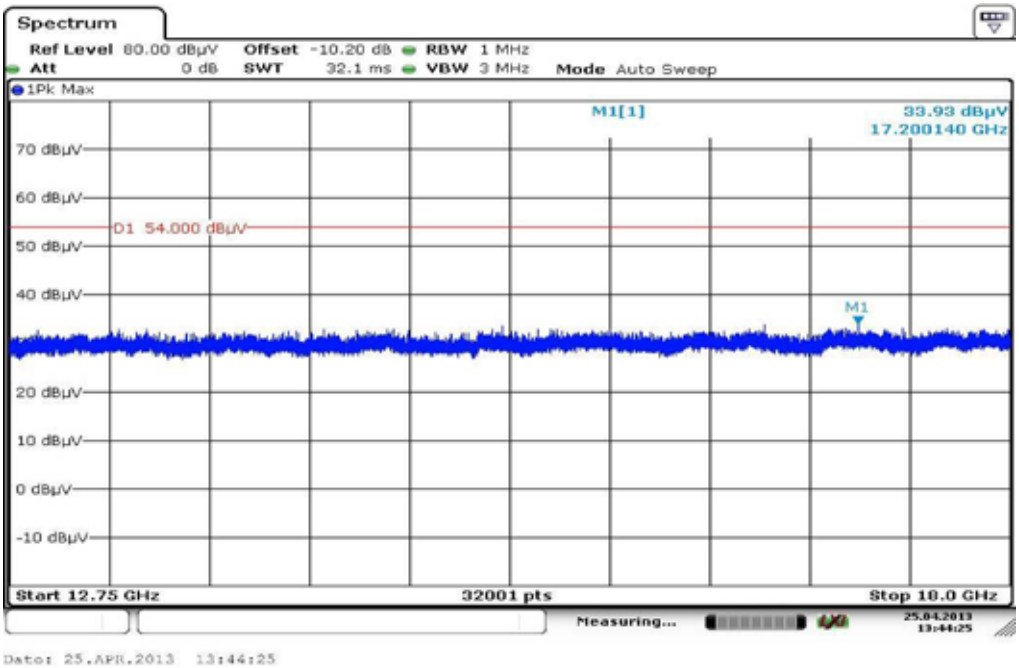
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
45.480000	17.0	1000.0	120.000	98.0	V	301.0	13.3	13.0	30.0	
107.520000	17.8	1000.0	120.000	210.0	V	172.0	11.2	15.7	33.5	
148.440000	19.2	1000.0	120.000	111.0	V	291.0	8.9	14.3	33.5	
187.800000	22.9	1000.0	120.000	98.0	V	0.0	10.9	10.6	33.5	
223.440000	29.5	1000.0	120.000	162.0	V	49.0	12.5	6.5	36.0	
300.000000	20.7	1000.0	120.000	270.0	H	172.0	14.5	15.3	36.0	

Plot 2: Lowest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



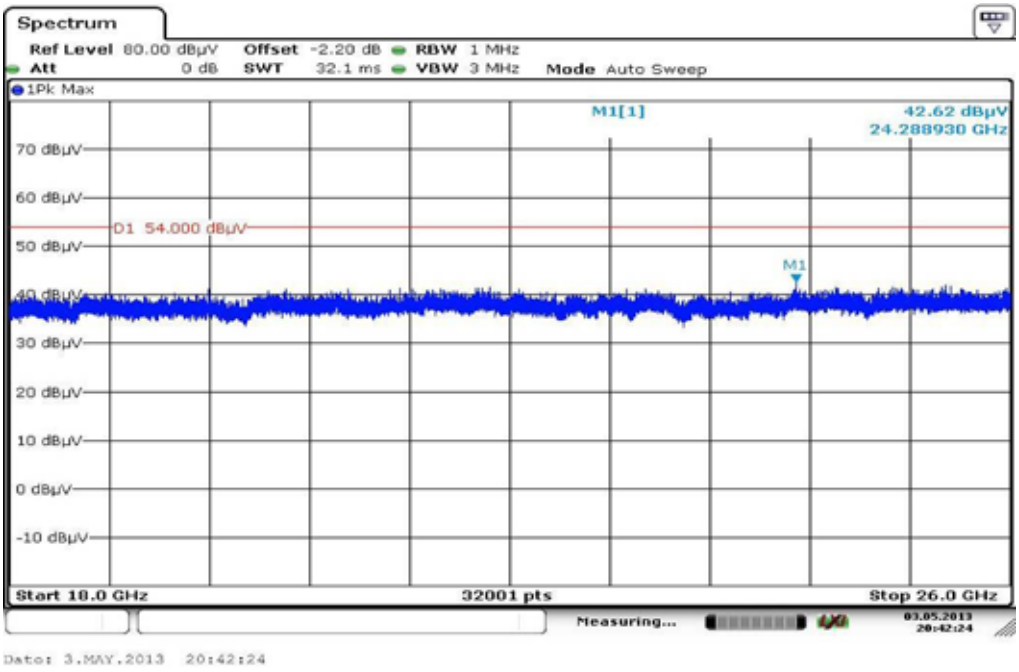
The carrier signal is notched with a 2.4 GHz band rejection filter.

Plot 3: Lowest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Date: 25.APR.2013 13:44:25

Plot 4: Lowest channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 5: Middle channel, 30 MHz to 1 GHz, vertical & horizontal polarization

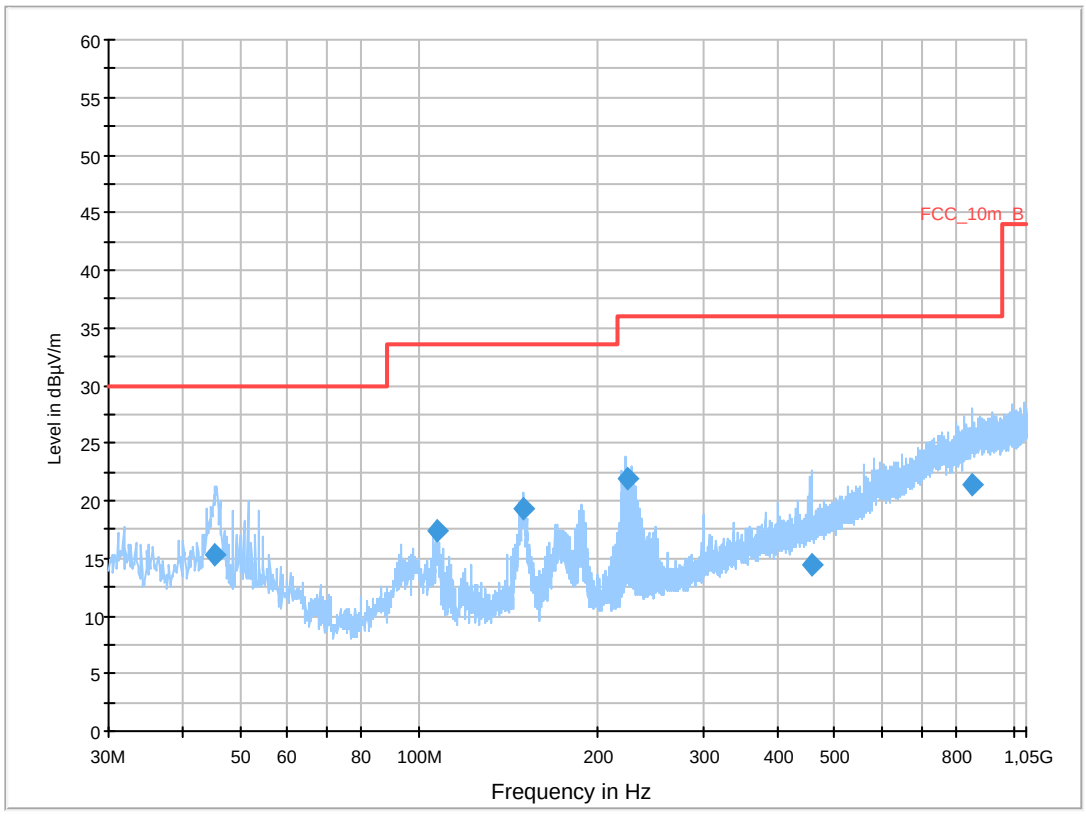
Common Information

EUT:	WLANBV2-A + antenna 453564154611
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan g-mode ch6
Operator Name:	Wolsdorfer
Comment:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Receiver:	[ESCI 3]
Level Unit:	dBµV/m

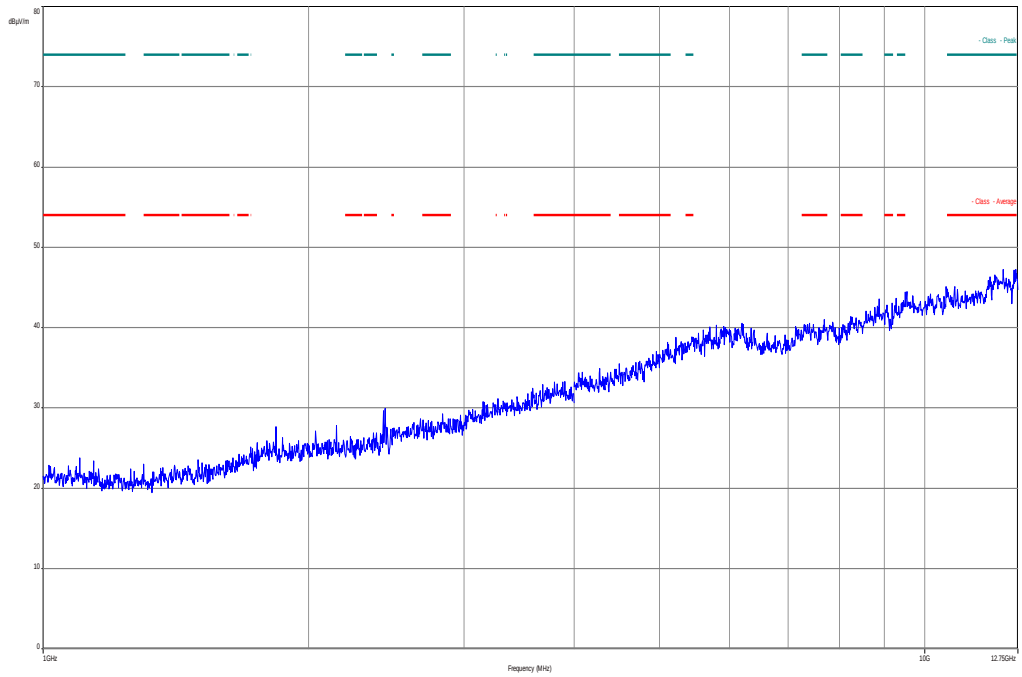
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

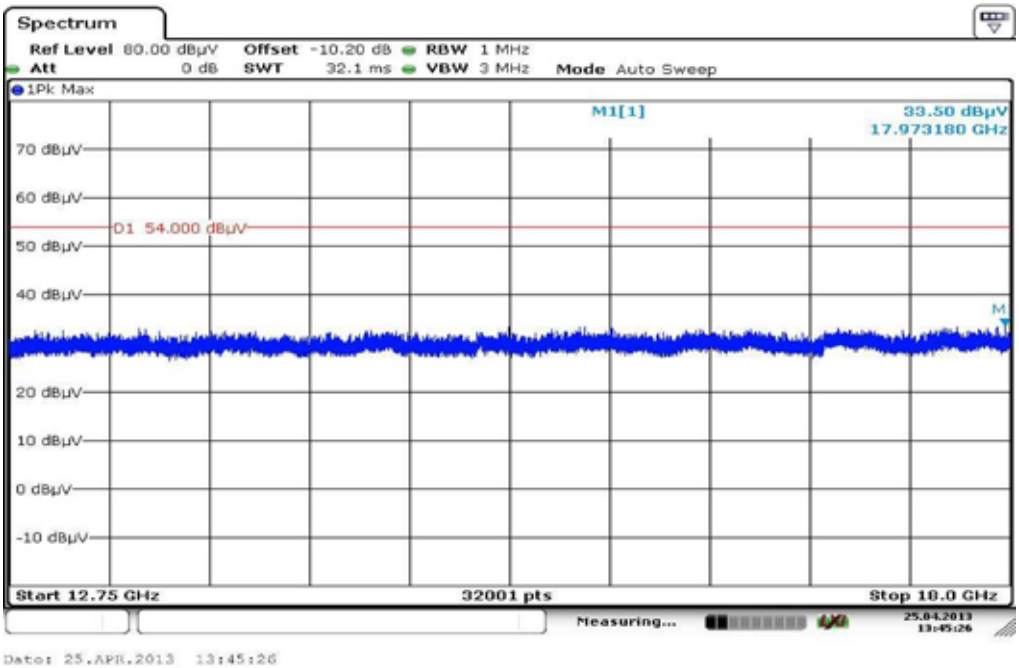
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
45.360000	15.3	1000.0	120.000	187.0	V	16.0	13.3	14.7	30.0	
107.520000	17.4	1000.0	120.000	199.0	V	173.0	11.2	16.1	33.5	
149.160000	19.4	1000.0	120.000	98.0	V	181.0	8.9	14.1	33.5	
224.880000	21.9	1000.0	120.000	98.0	V	16.0	12.5	14.1	36.0	
456.720000	14.4	1000.0	120.000	113.0	V	93.0	17.8	21.6	36.0	
852.720000	21.4	1000.0	120.000	98.0	V	38.0	24.6	14.6	36.0	

Plot 6: Middle channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization

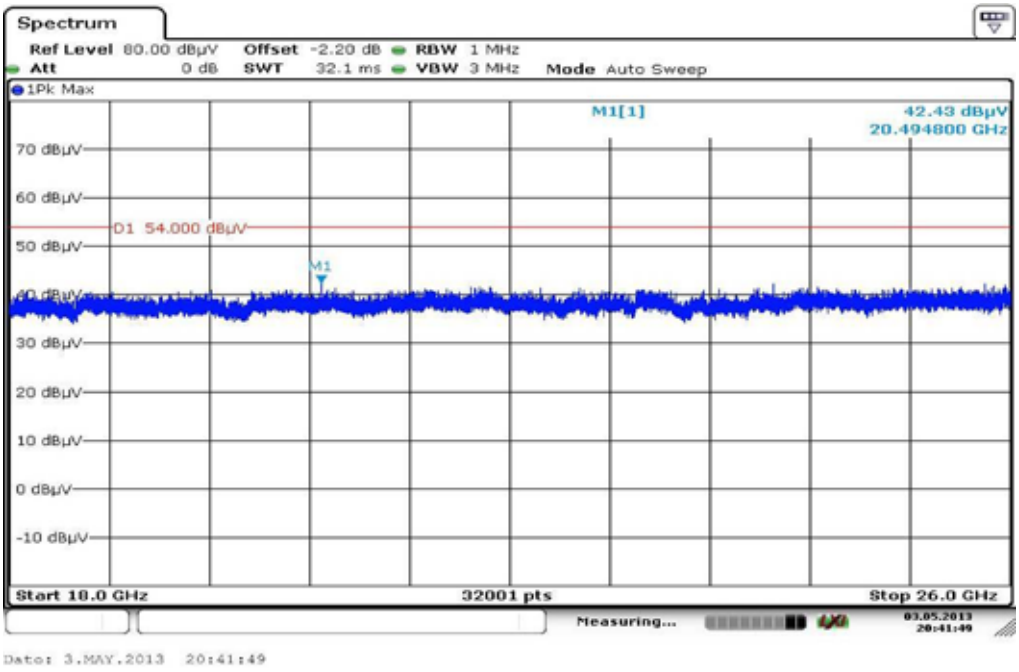


The carrier signal is notched with a 2.4 GHz band rejection filter.

Plot 7: Middle channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Plot 8: Middle channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 9: Highest channel, 30 MHz to 1 GHz, vertical & horizontal polarization

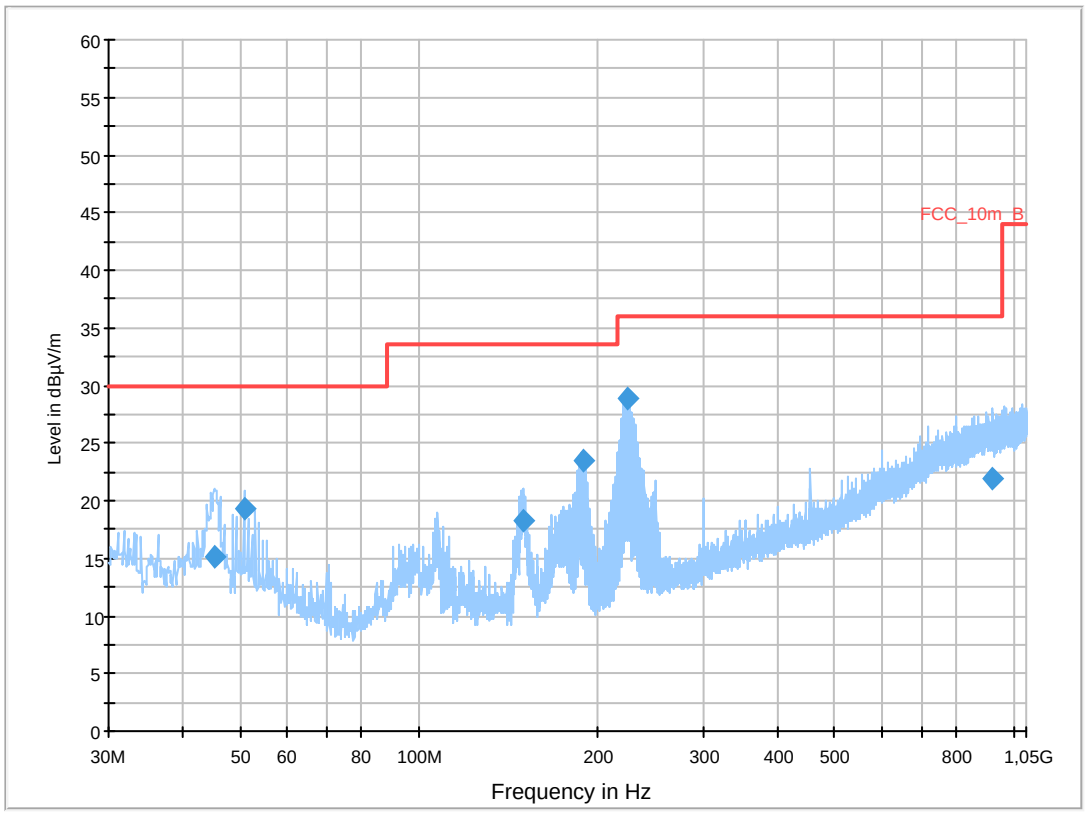
Common Information

EUT:	WLANBV2-A + antenna 453564154611
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan g-mode ch11
Operator Name:	Wolsdorfer
Comment:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Receiver:	[ESCI 3]
Level Unit:	dBµV/m

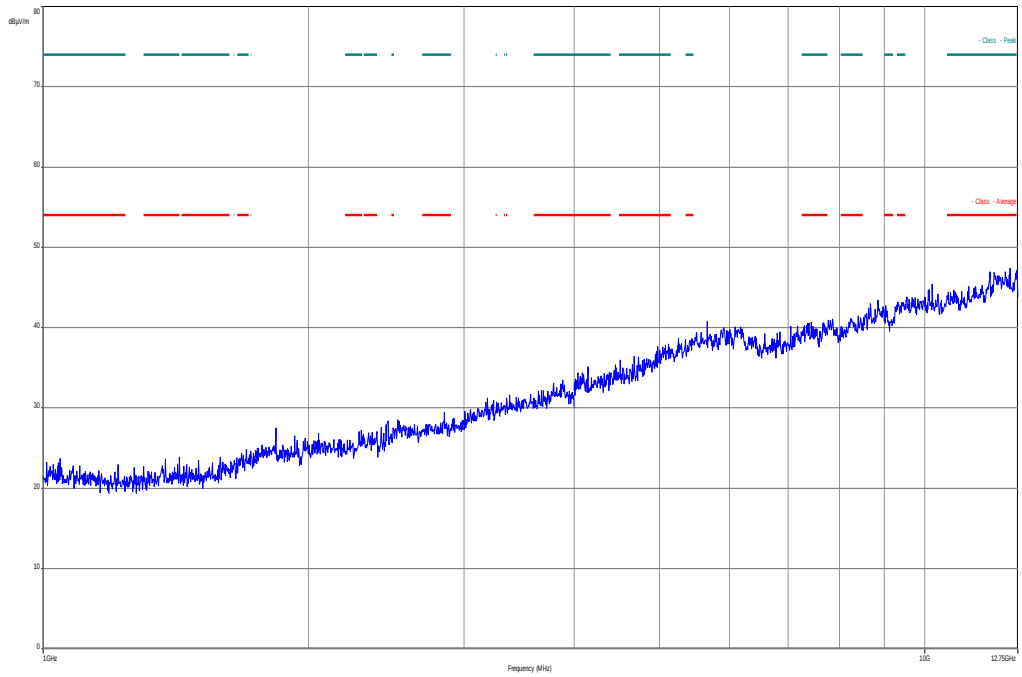
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

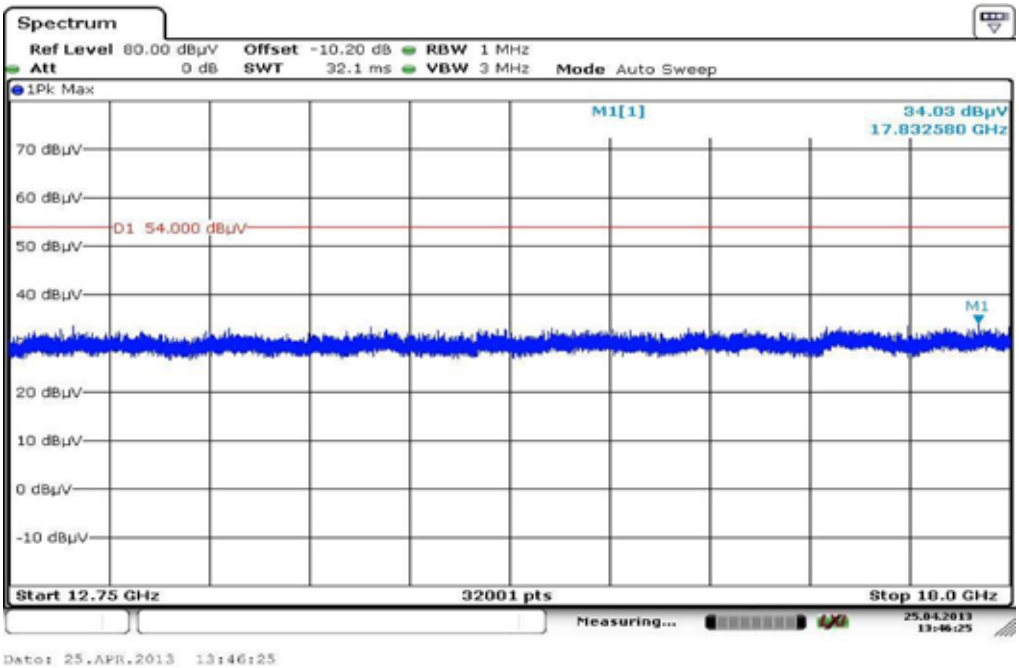
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
45.120000	15.1	1000.0	120.000	200.0	V	235.0	13.3	14.9	30.0	
50.760000	19.3	1000.0	120.000	105.0	V	181.0	13.3	10.7	30.0	
150.000000	18.3	1000.0	120.000	111.0	V	0.0	8.9	15.2	33.5	
189.360000	23.5	1000.0	120.000	98.0	V	74.0	11.0	10.0	33.5	
223.440000	28.8	1000.0	120.000	120.0	V	9.0	12.5	7.2	36.0	
919.440000	21.9	1000.0	120.000	270.0	V	74.0	25.3	14.1	36.0	

Plot 10: Highest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



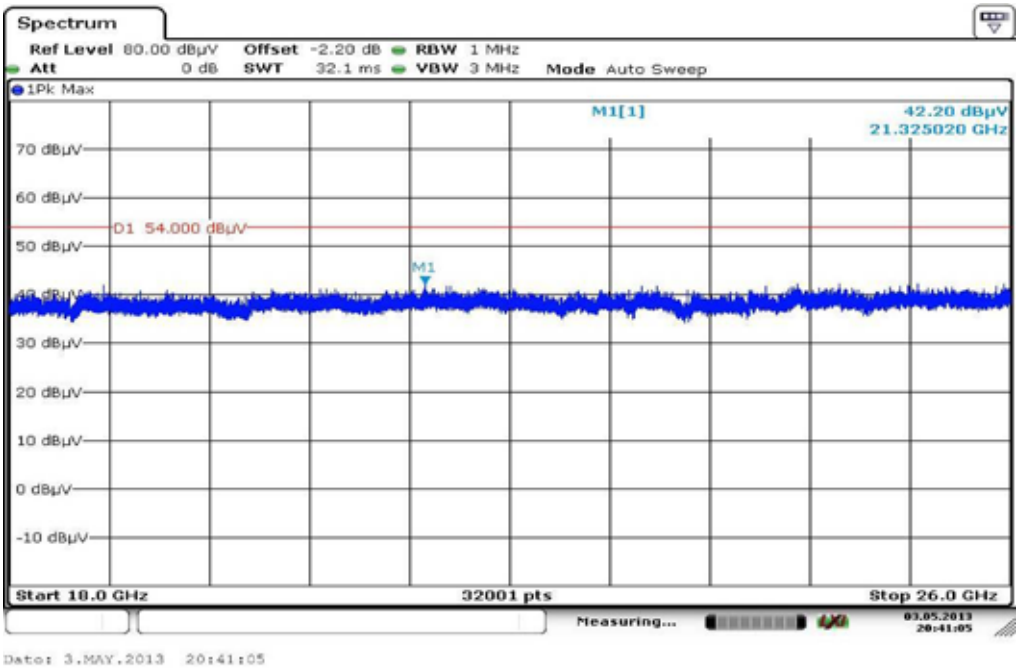
The carrier signal is notched with a 2.4 GHz band rejection filter.

Plot 11: Highest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Date: 25.APR.2013 13:46:25

Plot 12: Highest channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plots: OFDM / n – mode HT20 (ANT 453564154611)

Plot 1: Lowest channel, 30 MHz to 1 GHz, vertical & horizontal polarization

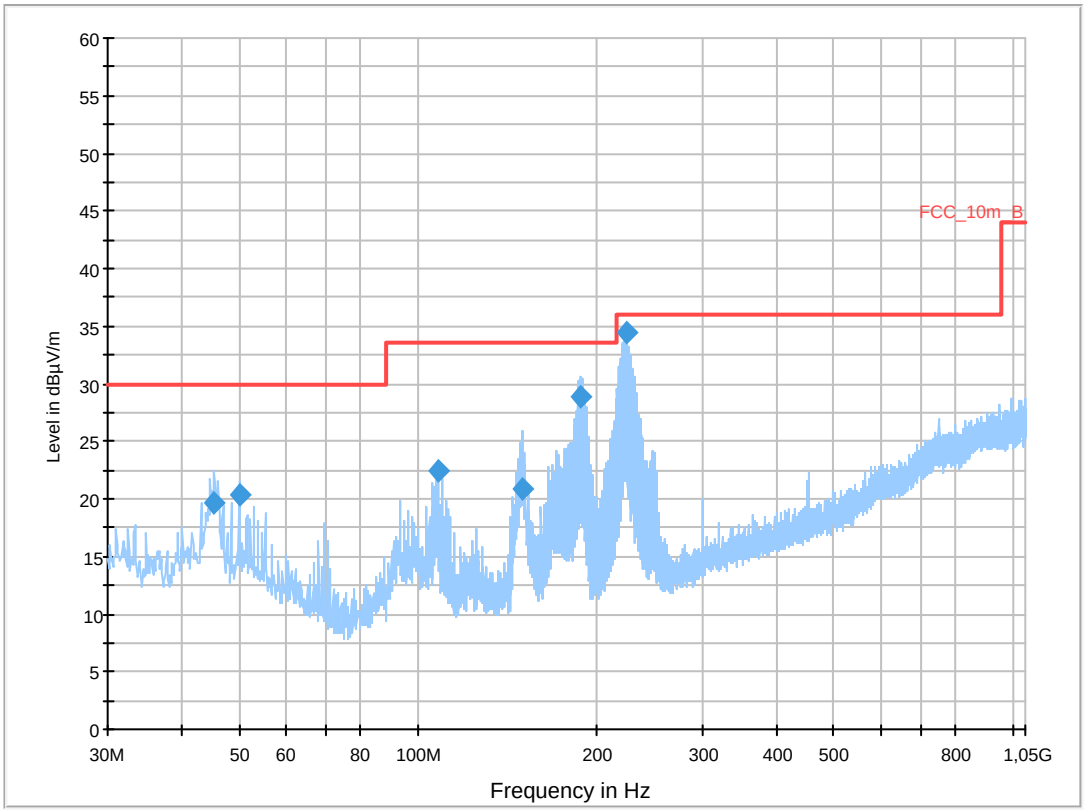
Common Information

EUT:	WLANBV2-A + antenna 453564154611
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan n-mode HT20 ch1
Operator Name:	Wolsdorfer
Comment:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Receiver:	[ESCI 3]
Level Unit:	dBµV/m

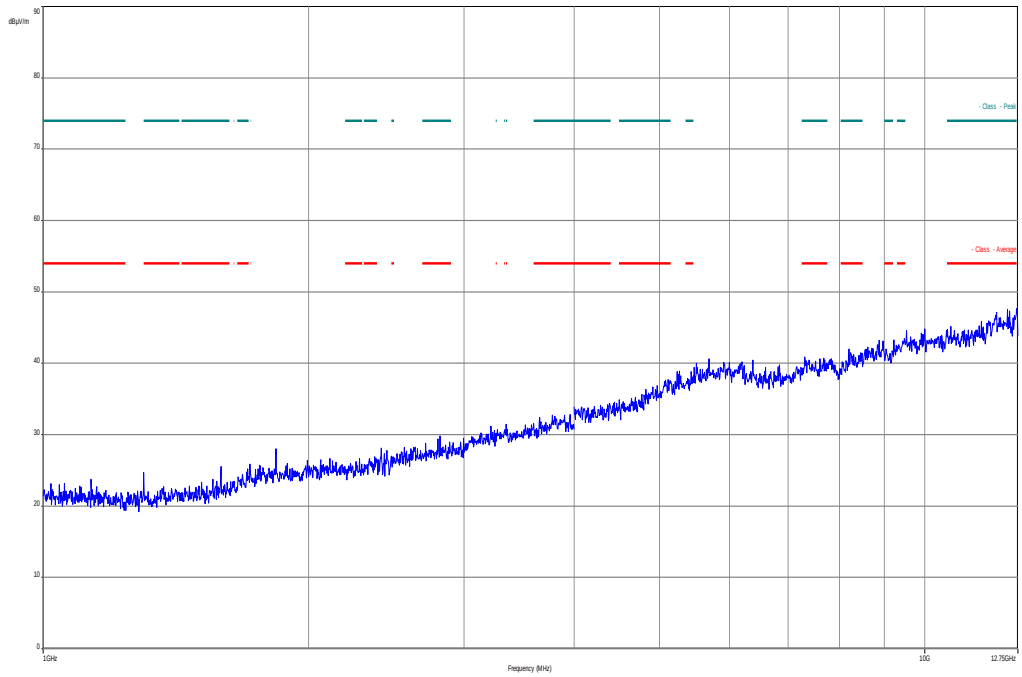
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

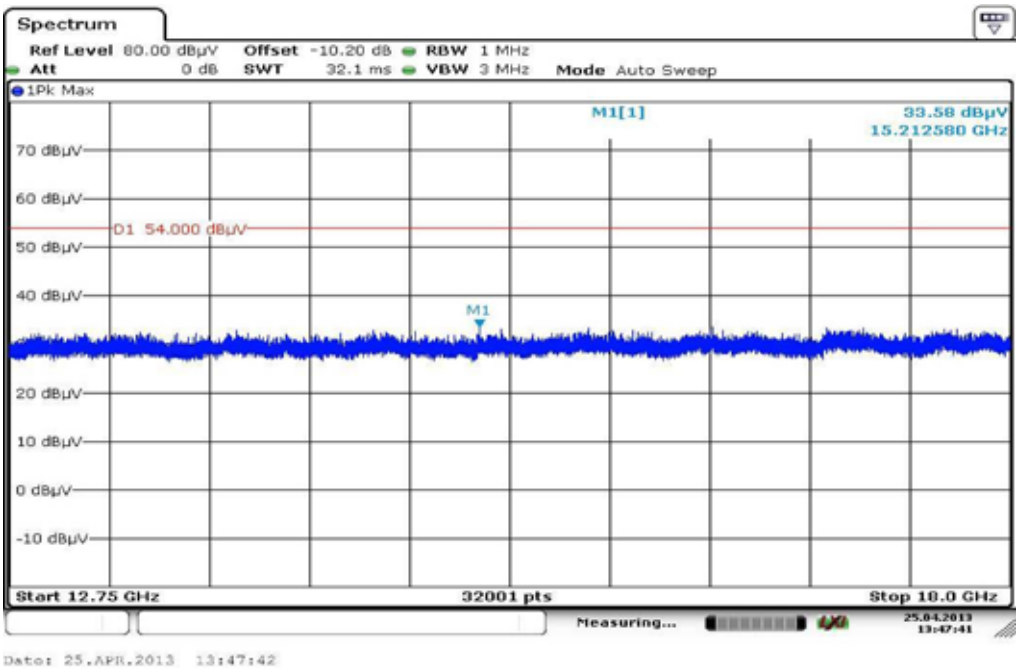
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
45.360000	19.6	1000.0	120.000	98.0	V	89.0	13.3	10.4	30.0	
49.920000	20.4	1000.0	120.000	104.0	V	192.0	13.4	9.6	30.0	
108.120000	22.4	1000.0	120.000	199.0	V	166.0	11.2	11.1	33.5	
149.760000	20.9	1000.0	120.000	98.0	V	337.0	8.9	12.6	33.5	
187.560000	28.8	1000.0	120.000	104.0	V	89.0	10.9	4.7	33.5	
223.800000	34.4	1000.0	120.000	185.0	V	28.0	12.5	1.6	36.0	

Plot 2: Lowest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



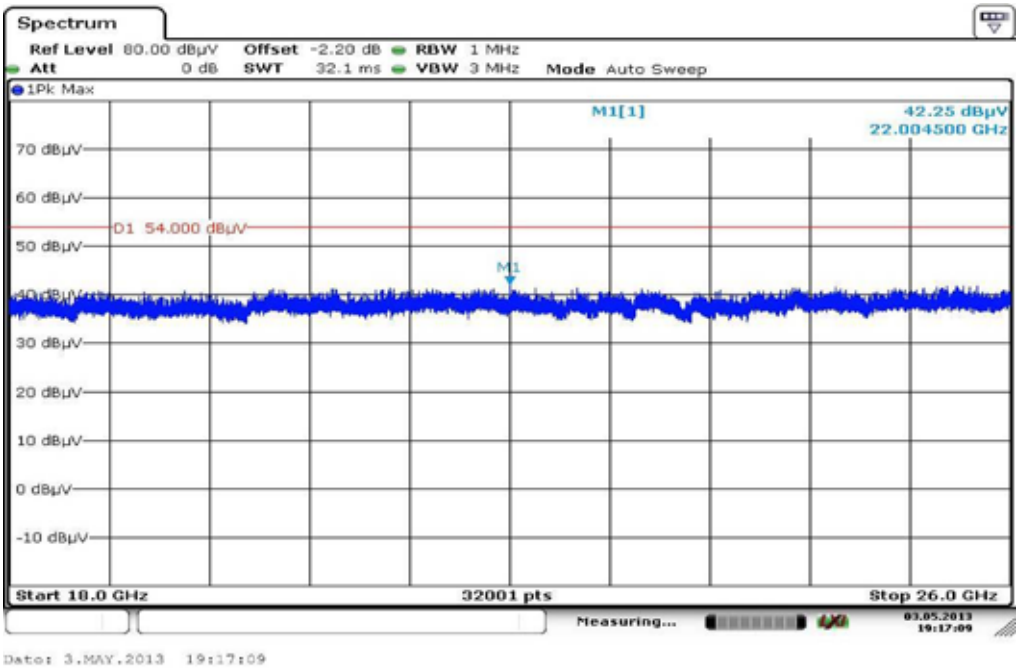
The carrier signal is notched with a 2.4 GHz band rejection filter.

Plot 3: Lowest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Date: 25.APR.2013 13:47:42

Plot 4: Lowest channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 5: Middle channel, 30 MHz to 1 GHz, vertical & horizontal polarization

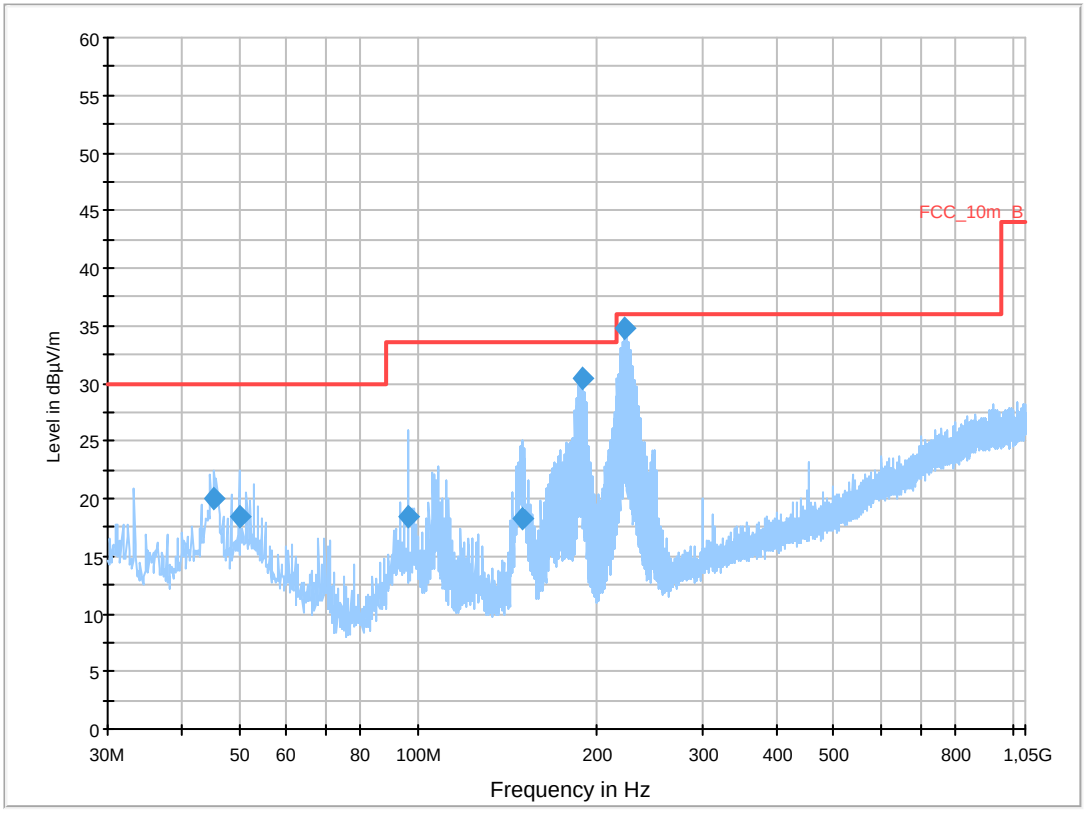
Common Information

EUT:	WLANBV2-A + antenna 453564154611
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan n-mode HT20 ch6
Operator Name:	Wolsdorfer
Comment:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Receiver:	[ESCI 3]
Level Unit:	dBµV/m

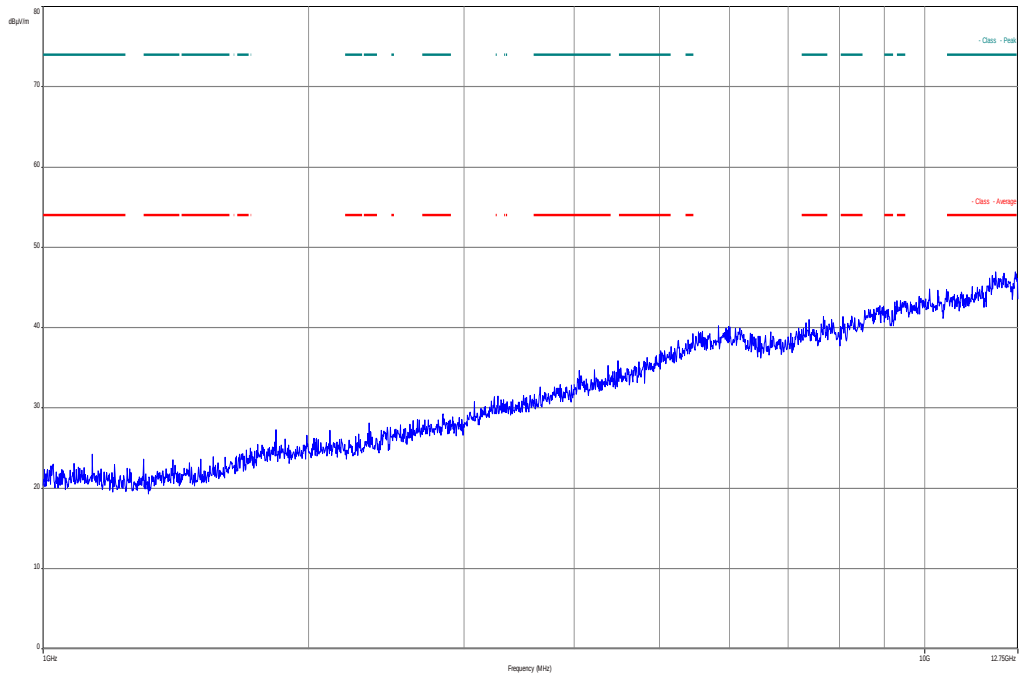
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

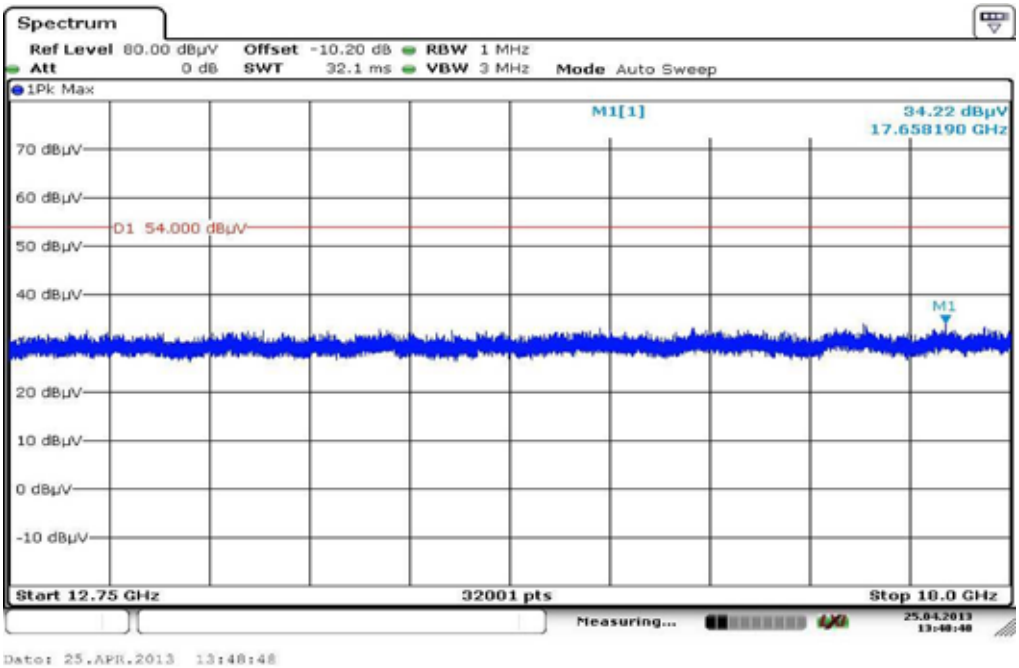
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
45.360000	19.9	1000.0	120.000	98.0	V	89.0	13.3	10.1	30.0	
49.920000	18.5	1000.0	120.000	197.0	V	298.0	13.4	11.5	30.0	
96.000000	18.4	1000.0	120.000	120.0	V	309.0	11.4	15.1	33.5	
149.760000	18.2	1000.0	120.000	144.0	V	0.0	8.9	15.3	33.5	
189.000000	30.4	1000.0	120.000	98.0	V	89.0	11.0	3.1	33.5	
222.960000	34.8	1000.0	120.000	172.0	V	41.0	12.5	1.2	36.0	

Plot 6: Middle channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



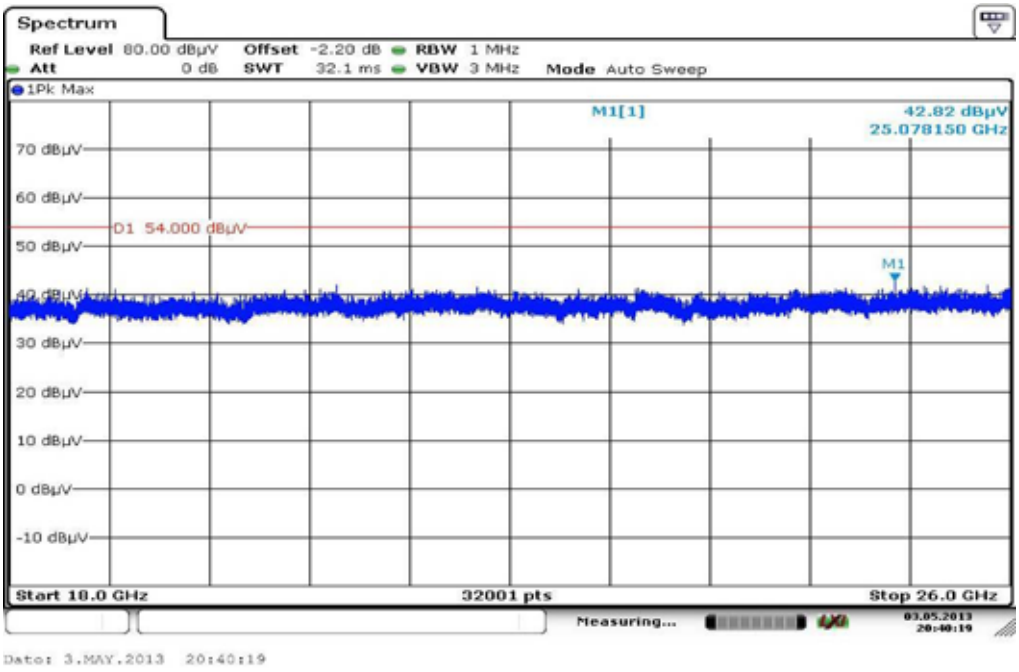
The carrier signal is notched with a 2.4 GHz band rejection filter.

Plot 7: Middle channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Date: 25.APR.2013 13:48:48

Plot 8: Middle channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 9: Highest channel, 30 MHz to 1 GHz, vertical & horizontal polarization

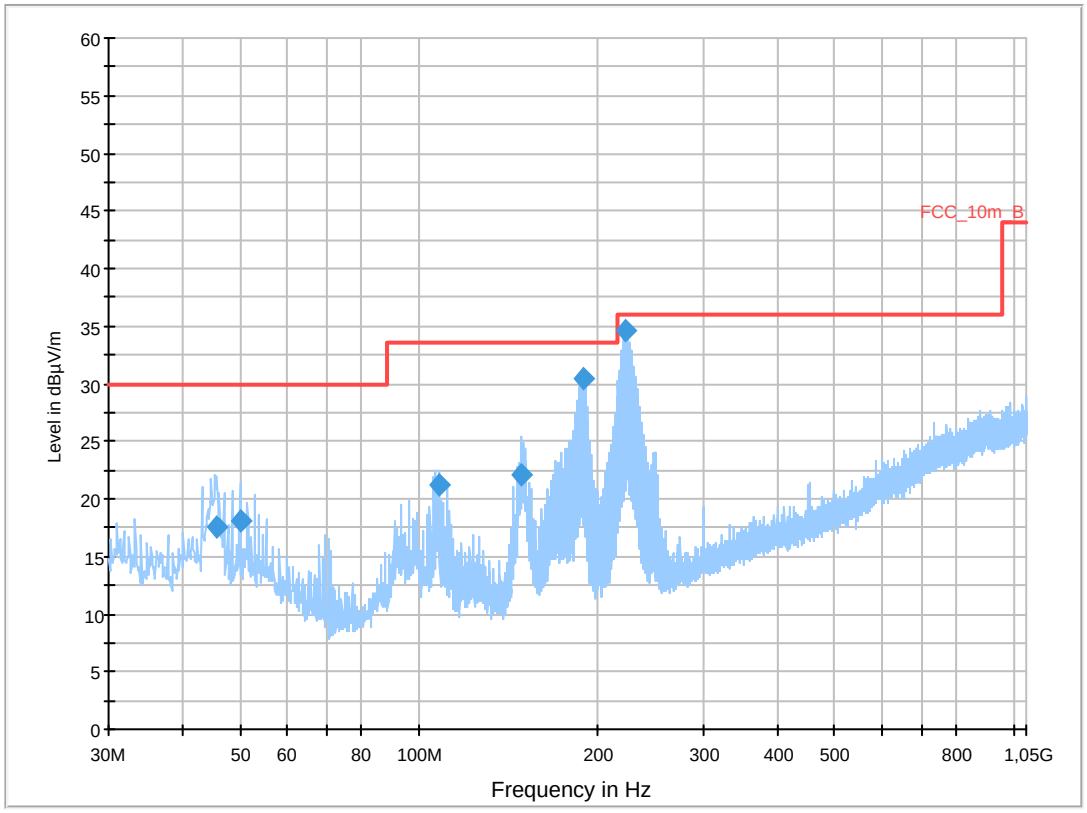
Common Information

EUT:	WLANBV2-A + antenna 453564154611
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan n-mode HT20 ch11
Operator Name:	Wolsdorfer
Comment:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Level Unit:	dBµV/m

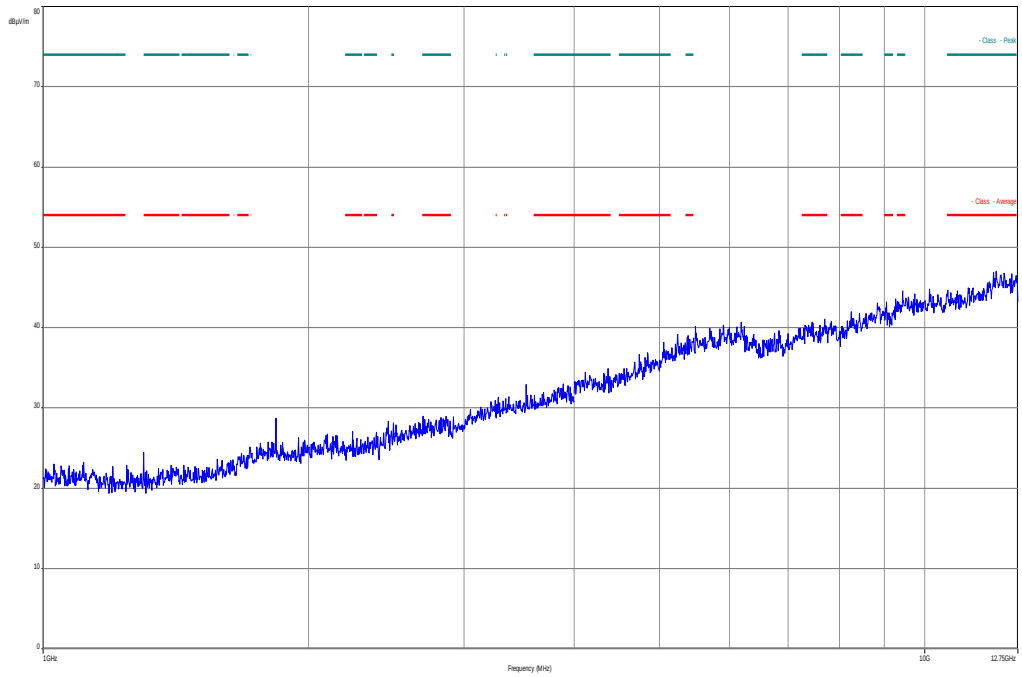
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

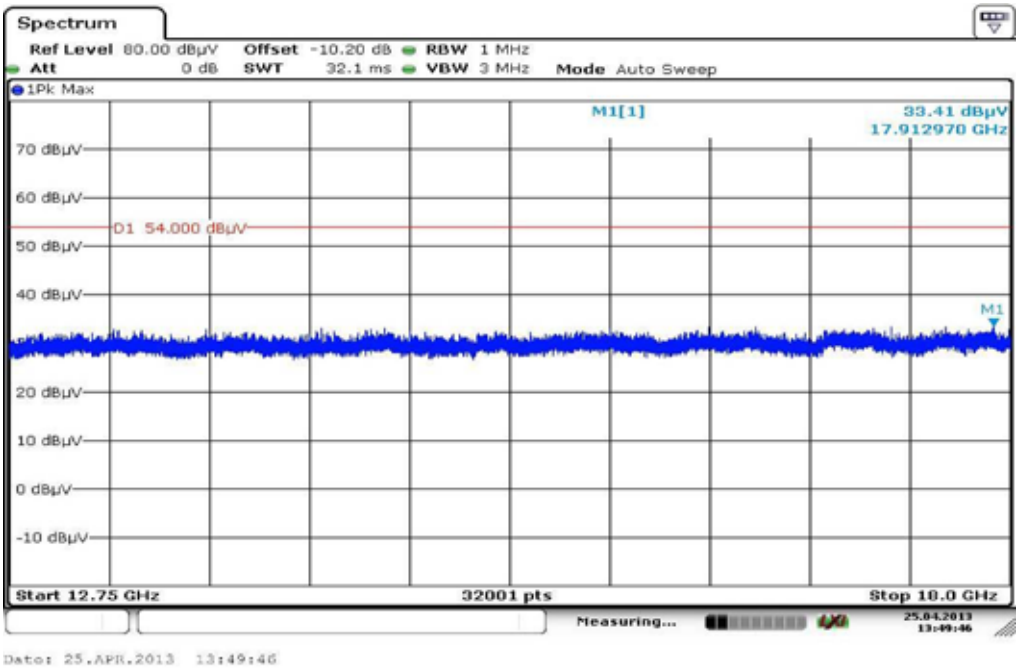
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
45.480000	17.5	1000.0	120.000	98.0	V	0.0	13.3	12.5	30.0	
49.920000	18.1	1000.0	120.000	209.0	V	111.0	13.4	11.9	30.0	
108.120000	21.2	1000.0	120.000	185.0	V	130.0	11.2	12.3	33.5	
148.200000	22.1	1000.0	120.000	104.0	V	173.0	8.9	11.4	33.5	
189.000000	30.4	1000.0	120.000	98.0	V	68.0	11.0	3.1	33.5	
222.240000	34.6	1000.0	120.000	172.0	V	27.0	12.5	1.4	36.0	

Plot 10: Highest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



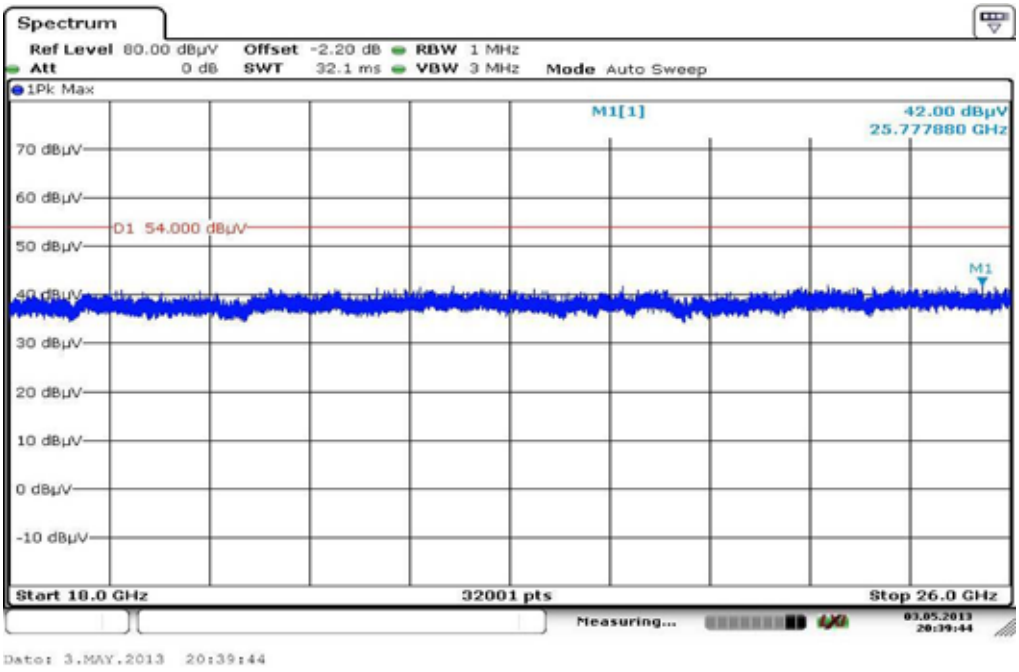
The carrier signal is notched with a 2.4 GHz band rejection filter.

Plot 11: Highest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Date: 25.APR.2013 13:49:46

Plot 12: Highest channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plots: OFDM / n – mode HT40 (ANT 453564154611)

Plot 1: Lowest channel, 30 MHz to 1 GHz, vertical & horizontal polarization

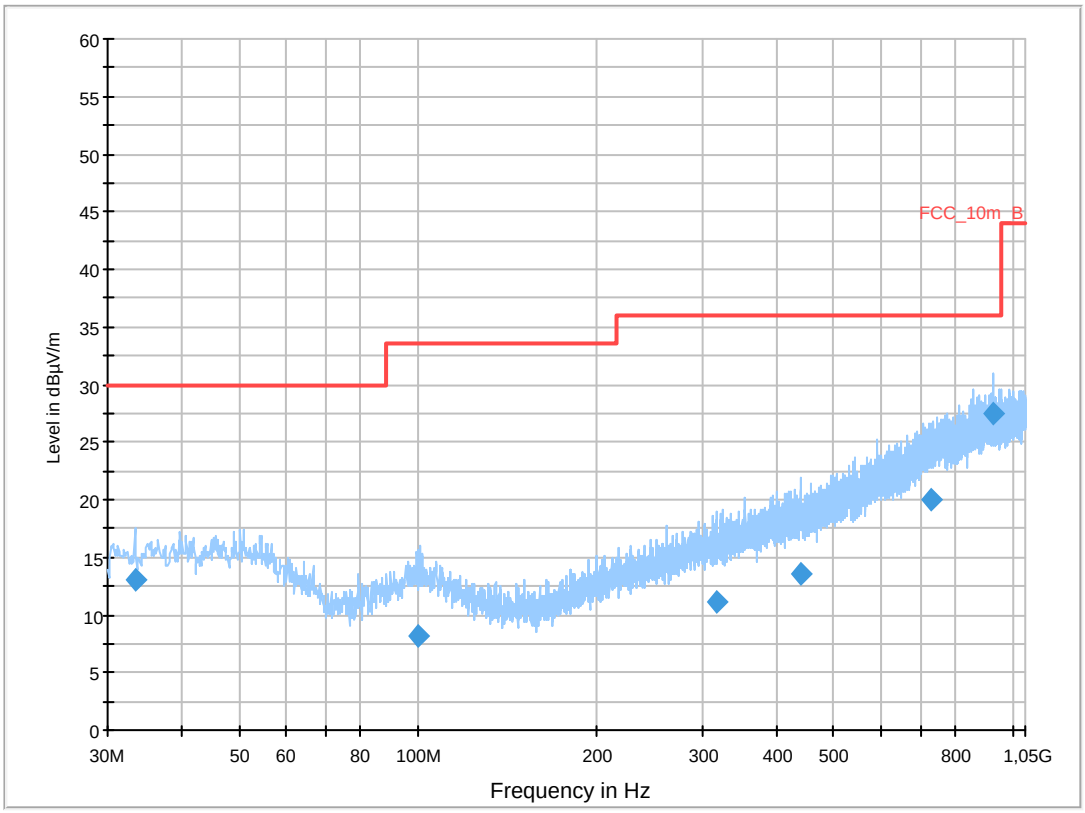
Common Information

EUT:	WLANBV2-A + antenna 453564154611
Serial Number:	eval 2
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan n-mode HT 40 tx @2427 MHz
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Receiver:	[ESCI 3]
Level Unit:	dBµV/m

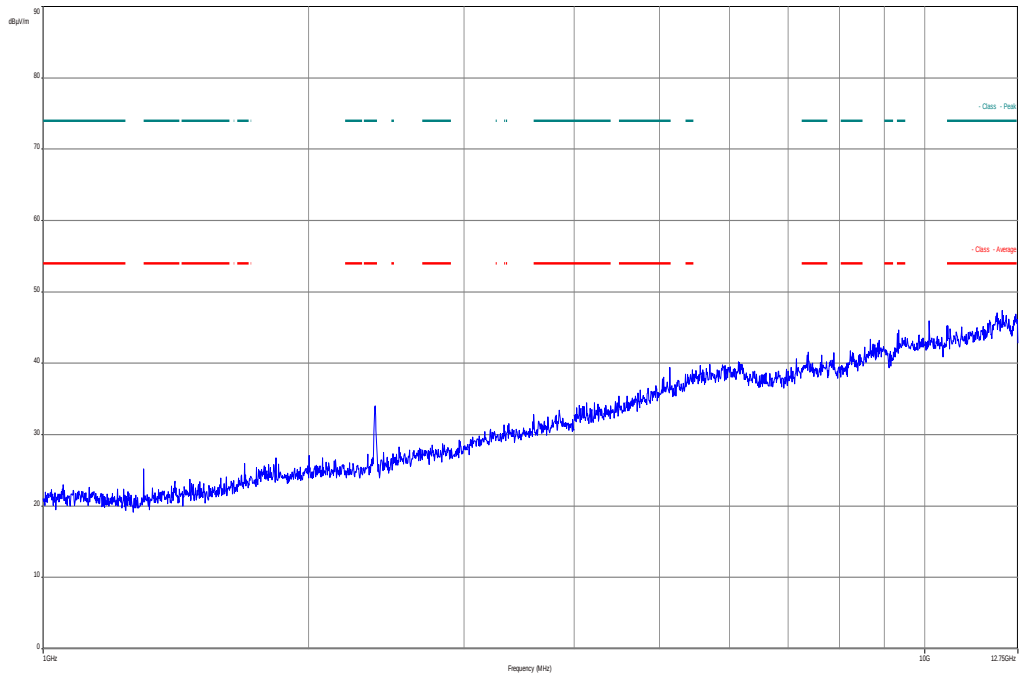
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

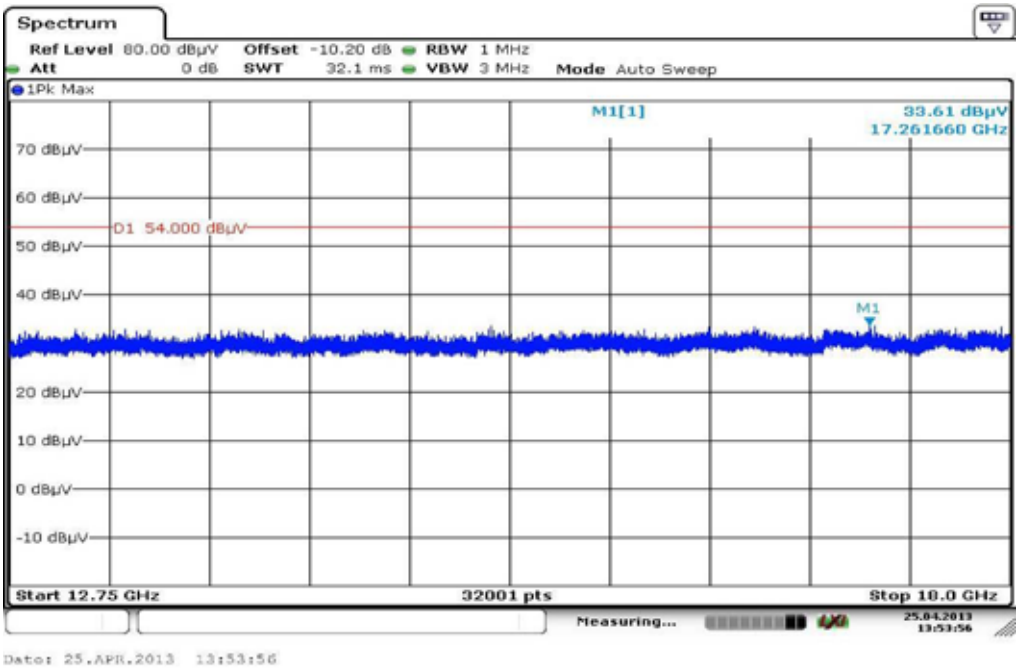
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
33.386550	13.1	1000.0	120.000	98.0	V	190.0	12.9	16.9	30.0	
100.021350	8.1	1000.0	120.000	161.0	V	268.0	11.9	25.4	33.5	
317.308350	11.2	1000.0	120.000	170.0	H	280.0	15.1	24.8	36.0	
441.773250	13.5	1000.0	120.000	98.0	V	80.0	17.5	22.5	36.0	
731.649300	20.0	1000.0	120.000	170.0	V	10.0	23.2	16.0	36.0	
927.381900	27.5	1000.0	120.000	170.0	V	-3.0	25.3	8.5	36.0	

Plot 2: Lowest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



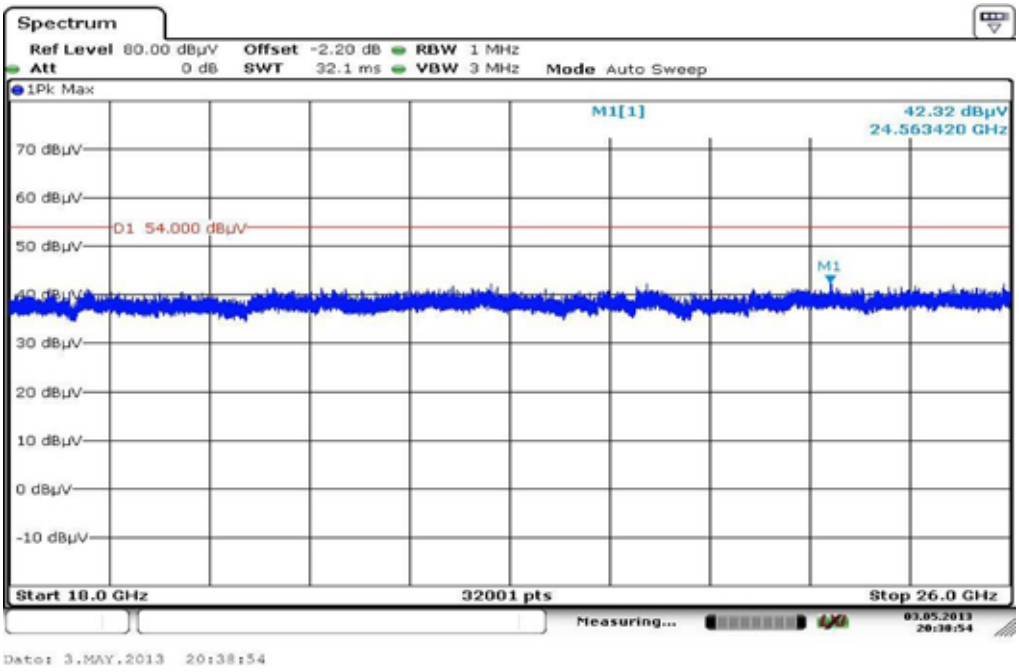
The carrier signal is notched with a 2.4 GHz band rejection filter.

Plot 3: Lowest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Date: 25.APR.2013 13:53:56

Plot 4: Lowest channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 5: Middle channel, 30 MHz to 1 GHz, vertical & horizontal polarization

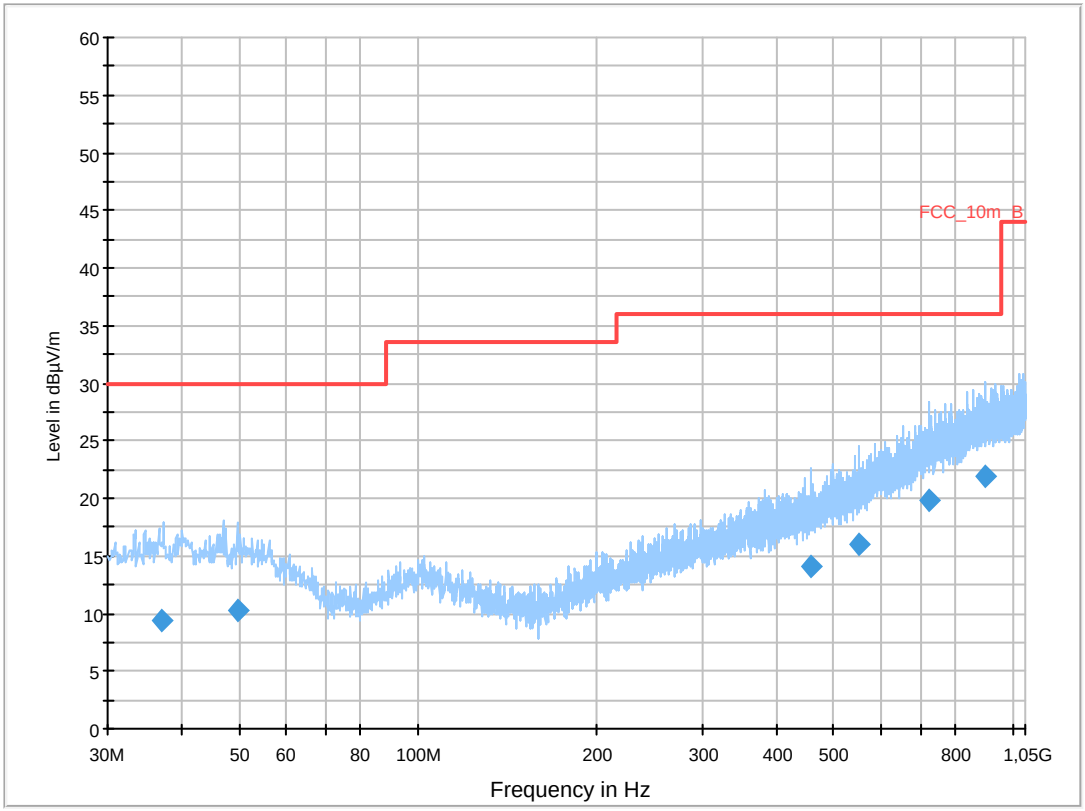
Common Information

EUT:	WLANBV2-A + antenna 453564154611
Serial Number:	eval 2
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan n-mode HT 40 tx @2437 MHz
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Receiver:	[ESCI 3]
Level Unit:	dBµV/m

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
37.009800	9.3	1000.0	120.000	147.0	H	270.0	13.2	20.7	30.0	
49.763700	10.2	1000.0	120.000	98.0	V	190.0	13.4	19.8	30.0	
457.873800	14.1	1000.0	120.000	122.0	H	280.0	17.8	21.9	36.0	
552.931350	16.1	1000.0	120.000	120.0	H	178.0	19.4	19.9	36.0	
720.627150	19.8	1000.0	120.000	159.0	H	90.0	23.0	16.2	36.0	
896.063400	21.9	1000.0	120.000	170.0	H	190.0	25.2	14.1	36.0	