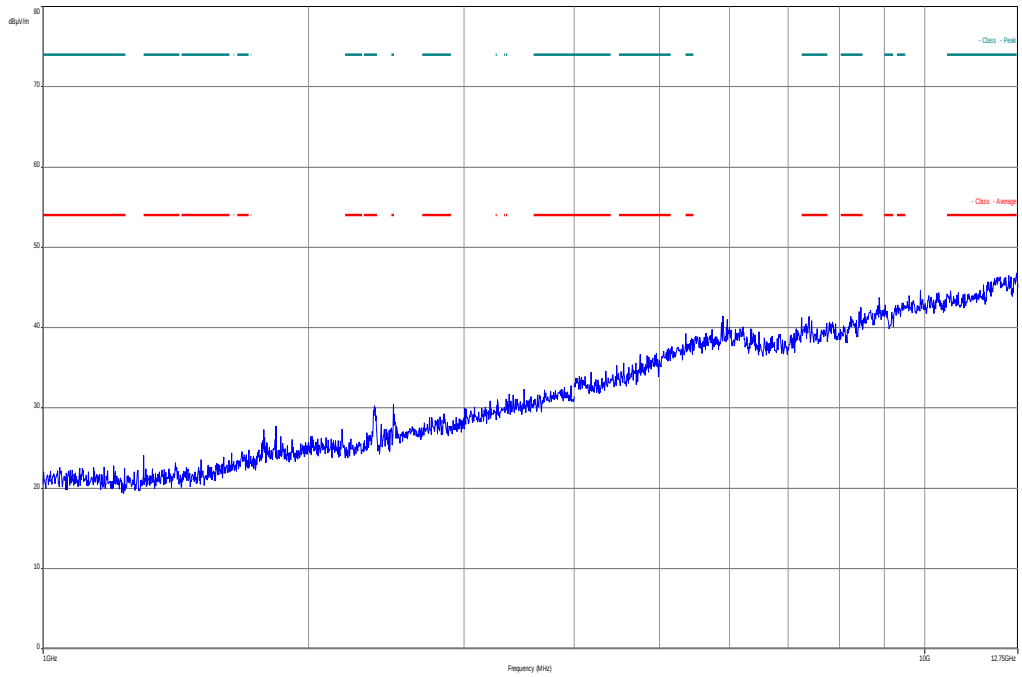
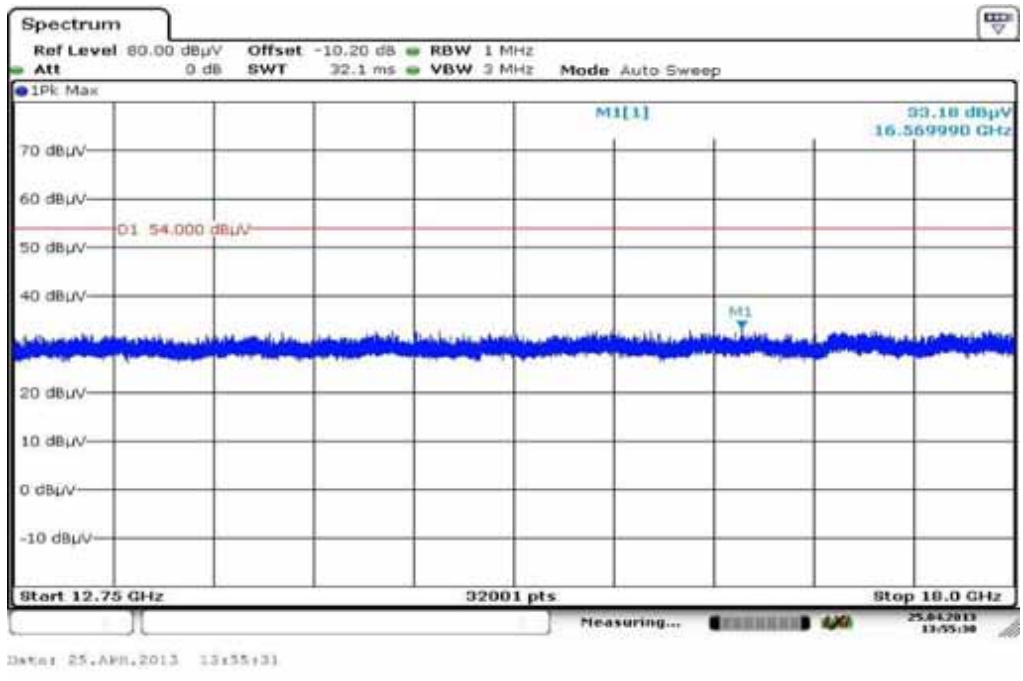
Plot 6: Middle channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization

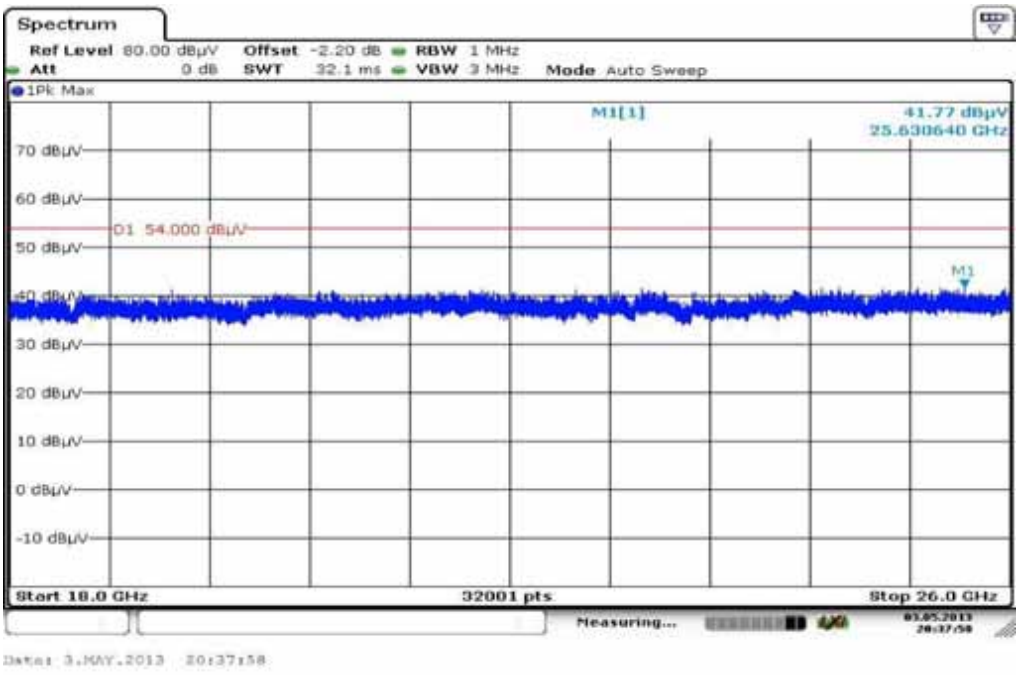


The carrier signal is notched with a 2.4 GHz band rejection filter.

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

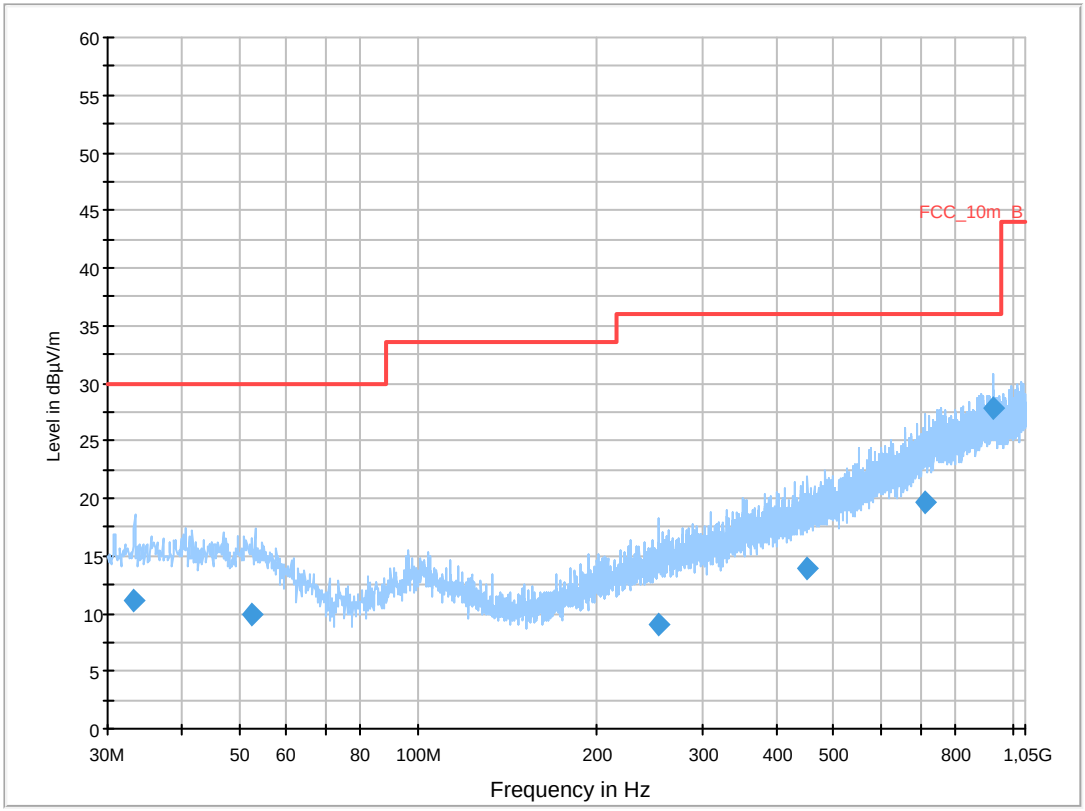
Common Information

EUT:	WLANBV2-A + antenna 453564154611
Serial Number:	eval 2
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan n-mode HT 40 tx @2452 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

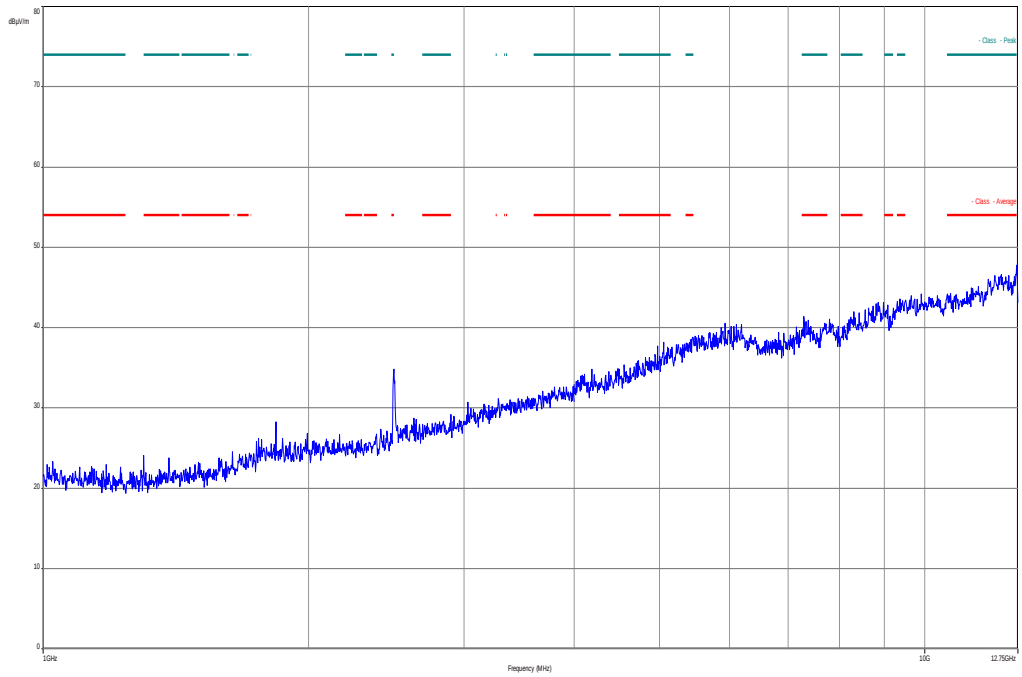
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

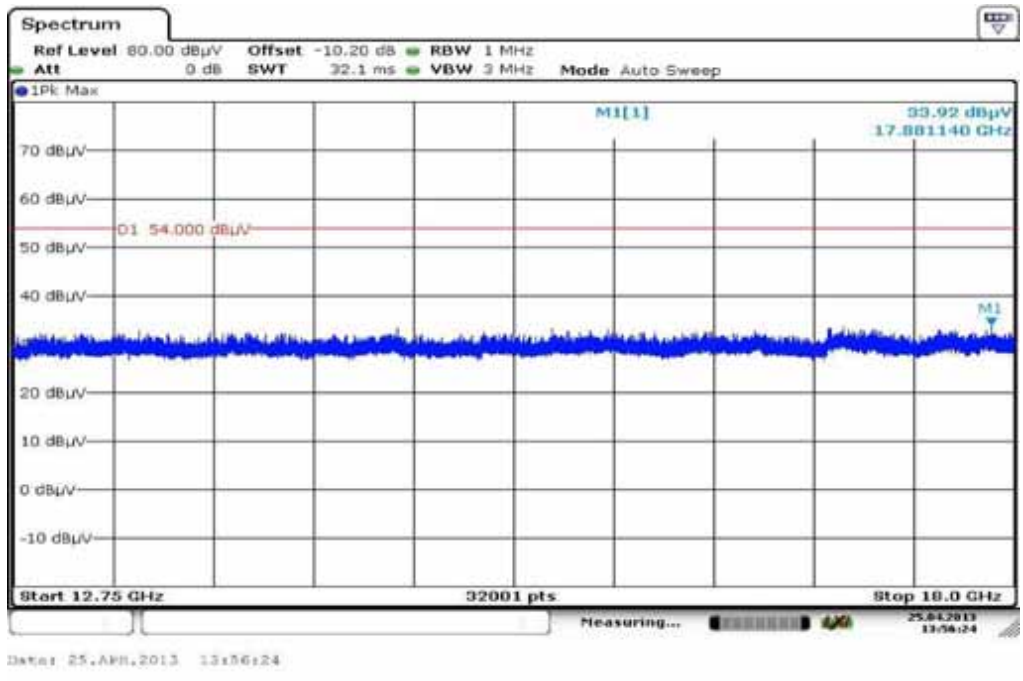
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
33.259050	11.1	1000.0	120.000	170.0	V	100.0	12.8	18.9	30.0	
52.626450	9.9	1000.0	120.000	104.0	V	182.0	13.1	20.1	30.0	
254.155950	9.1	1000.0	120.000	170.0	V	-10.0	13.4	26.9	36.0	
452.218950	13.8	1000.0	120.000	170.0	V	265.0	17.7	22.2	36.0	
710.362350	19.7	1000.0	120.000	170.0	H	170.0	22.7	16.3	36.0	
927.384000	27.9	1000.0	120.000	170.0	V	171.0	25.3	8.1	36.0	

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

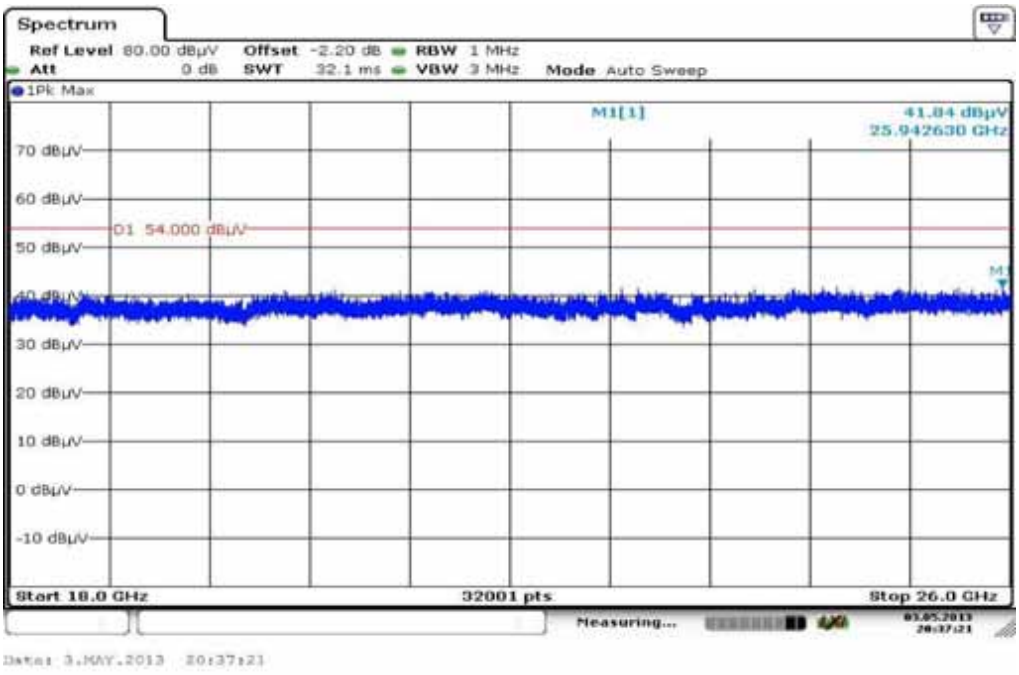


The carrier signal is notched with a 2.4 GHz band rejection filter.

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: DSSS / b – mode (ANT 453564175981)

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

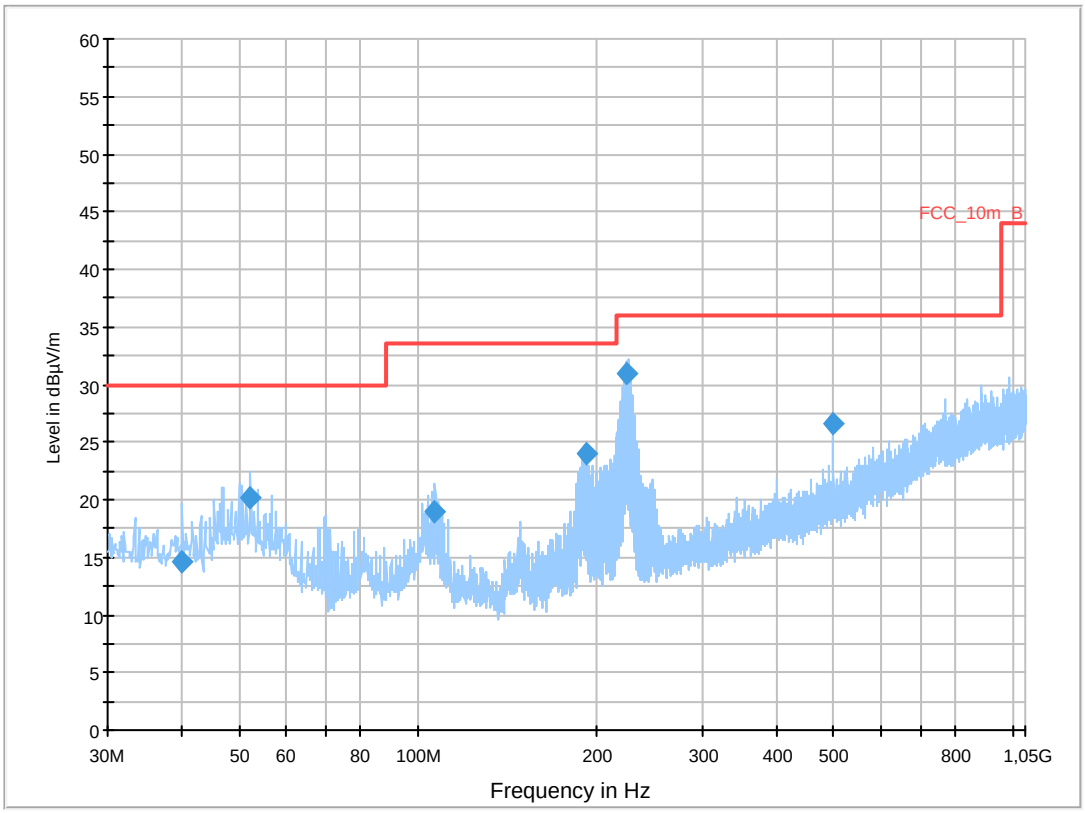
Common Information

EUT:	WLANBV2-A + antenna 453564175981
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

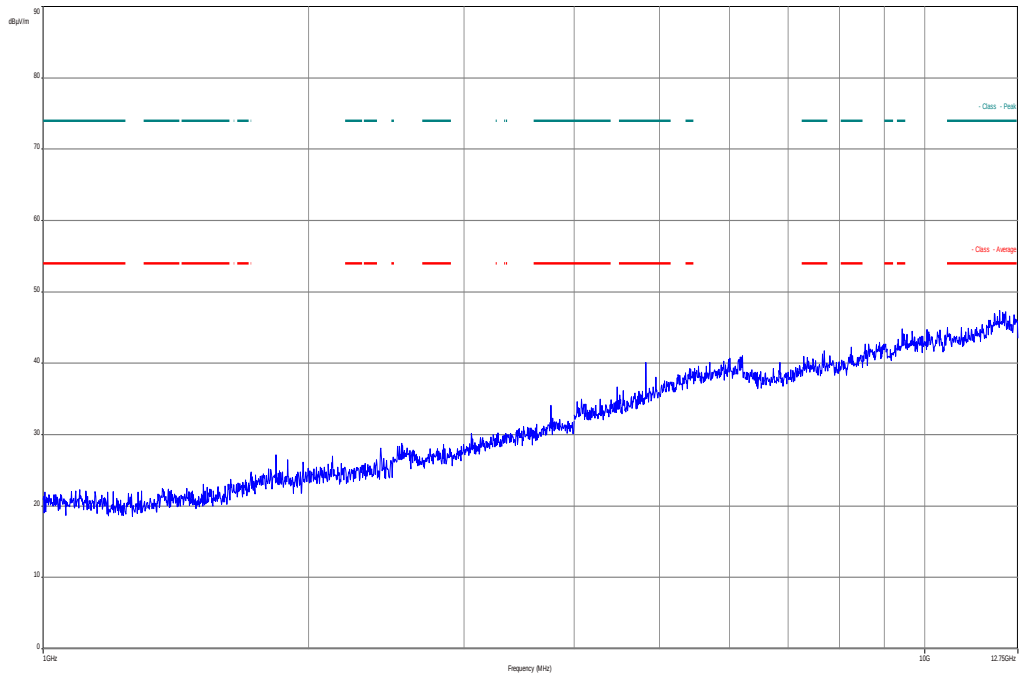
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

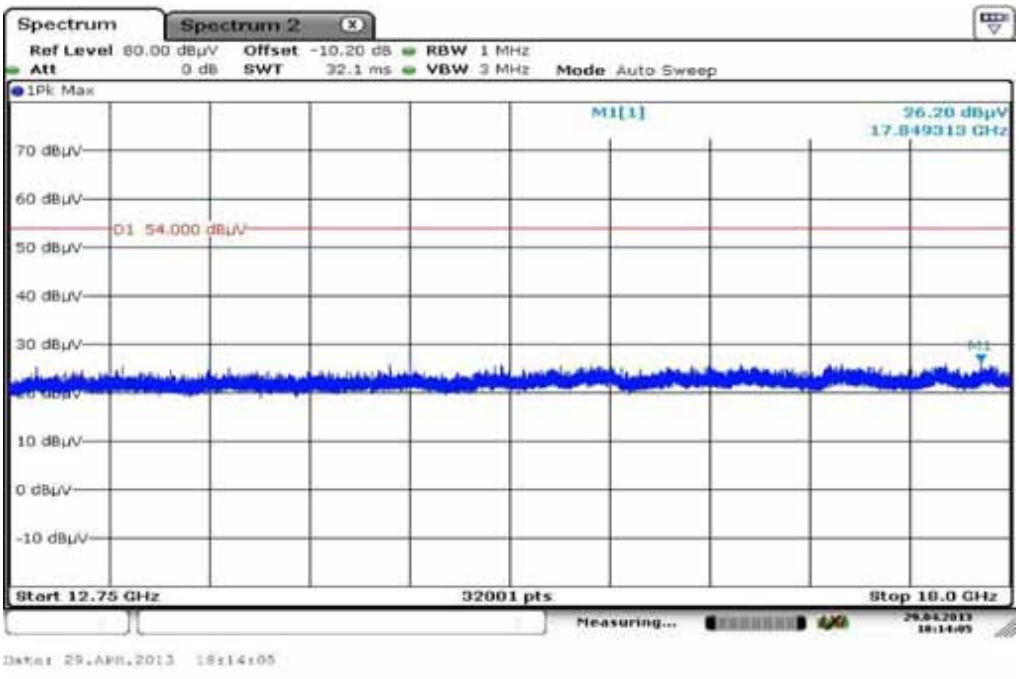
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
40.104300	14.7	1000.0	120.000	120.0	V	-2.0	13.4	15.3	30.0	
52.161750	20.2	1000.0	120.000	98.0	V	272.0	13.2	9.8	30.0	
106.624050	19.0	1000.0	120.000	120.0	V	261.0	11.3	14.5	33.5	
191.307150	24.0	1000.0	120.000	170.0	V	270.0	11.2	9.5	33.5	
224.605800	31.0	1000.0	120.000	98.0	V	190.0	12.5	5.0	36.0	
500.007000	26.6	1000.0	120.000	170.0	H	-2.0	18.7	9.4	36.0	

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

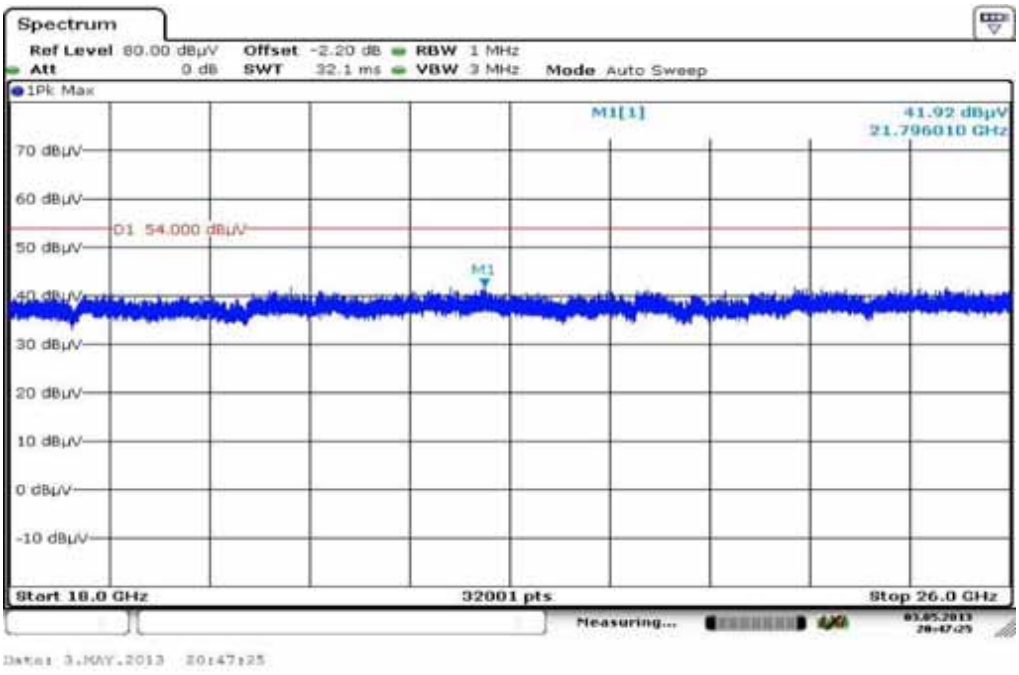


The carrier signal is notched with a 2.4 GHz band rejection filter.

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



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



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

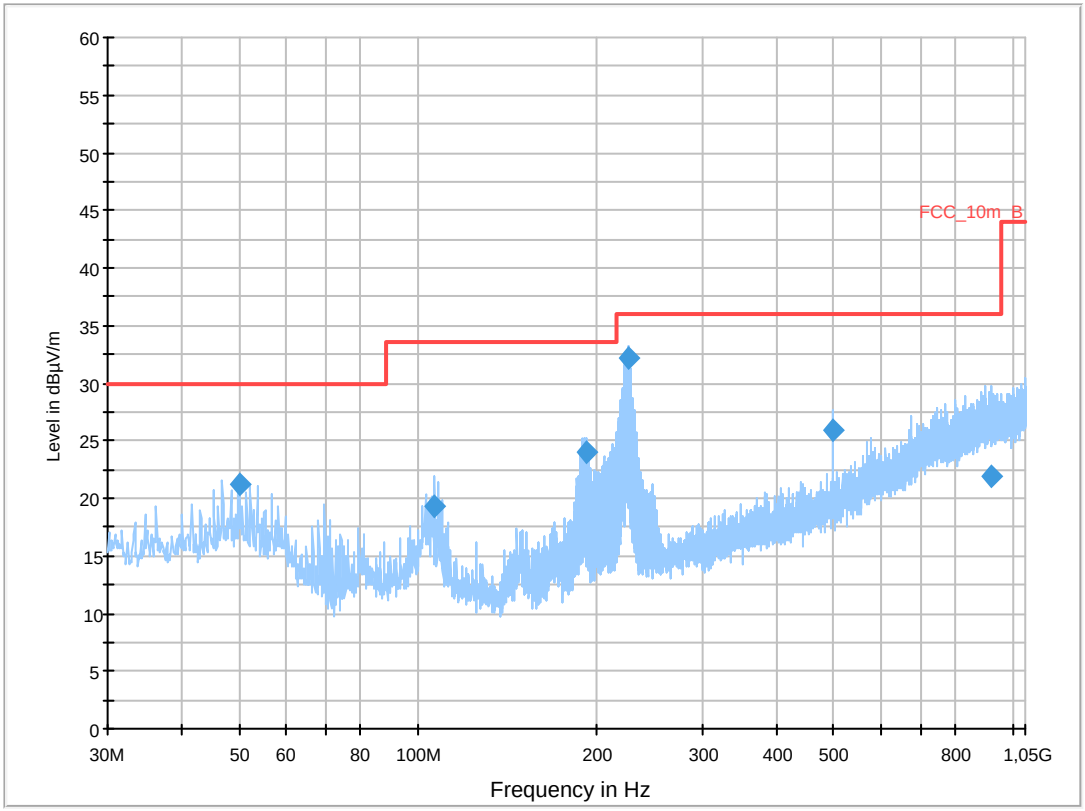
Common Information

EUT:	WLANBV2-A + antenna 453564175981
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

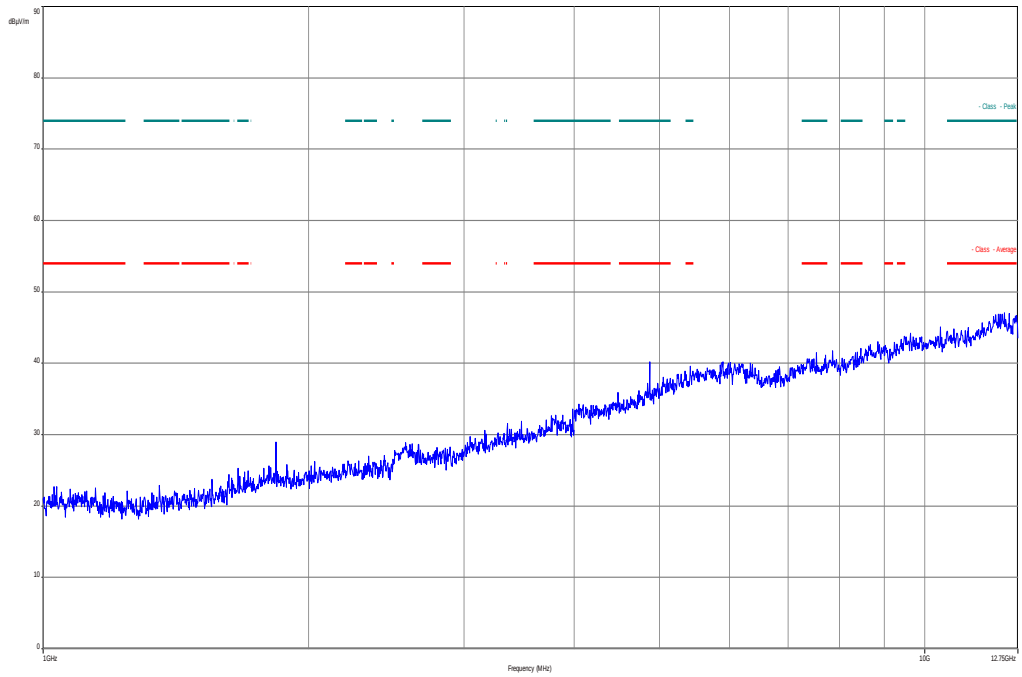
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

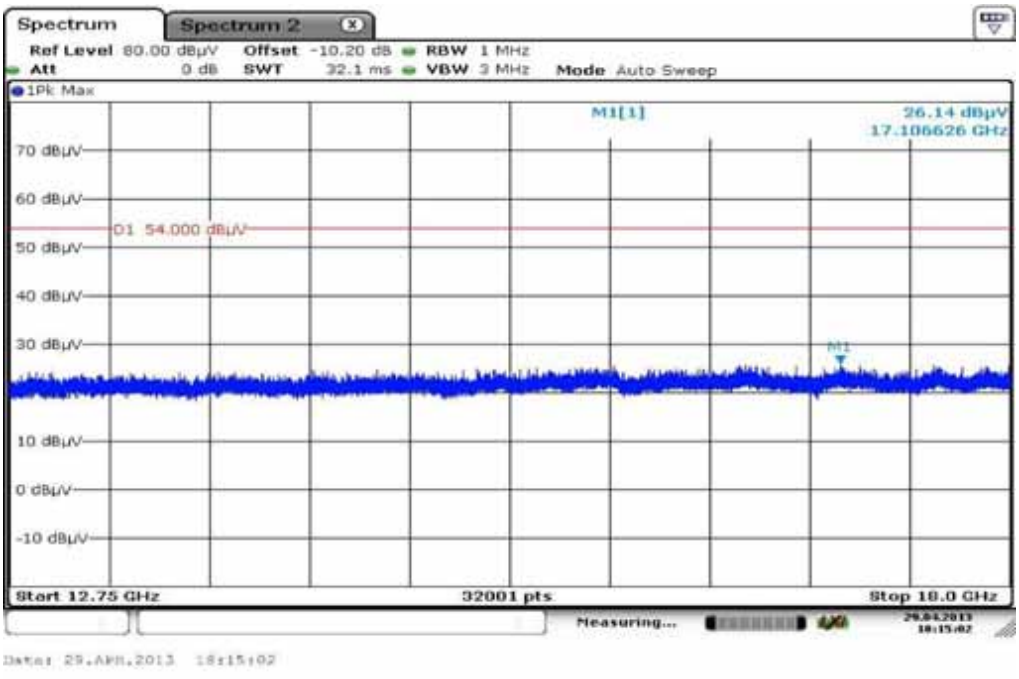
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
49.884450	21.2	1000.0	120.000	98.0	V	-10.0	13.4	8.8	30.0	
106.593900	19.3	1000.0	120.000	170.0	V	280.0	11.3	14.2	33.5	
191.237850	23.9	1000.0	120.000	105.0	V	100.0	11.2	9.6	33.5	
225.306300	32.2	1000.0	120.000	98.0	V	265.0	12.6	3.8	36.0	
500.026200	25.9	1000.0	120.000	170.0	H	-2.0	18.7	10.1	36.0	
919.479900	22.0	1000.0	120.000	120.0	H	280.0	25.3	14.0	36.0	

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

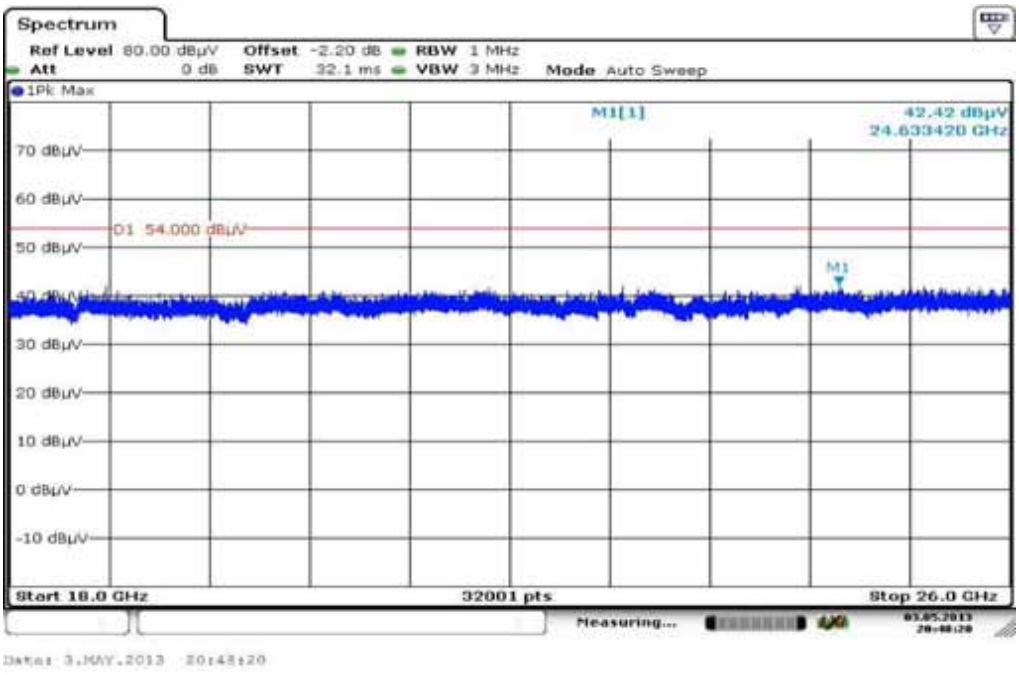


The carrier signal is notched with a 2.4 GHz band rejection filter.

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

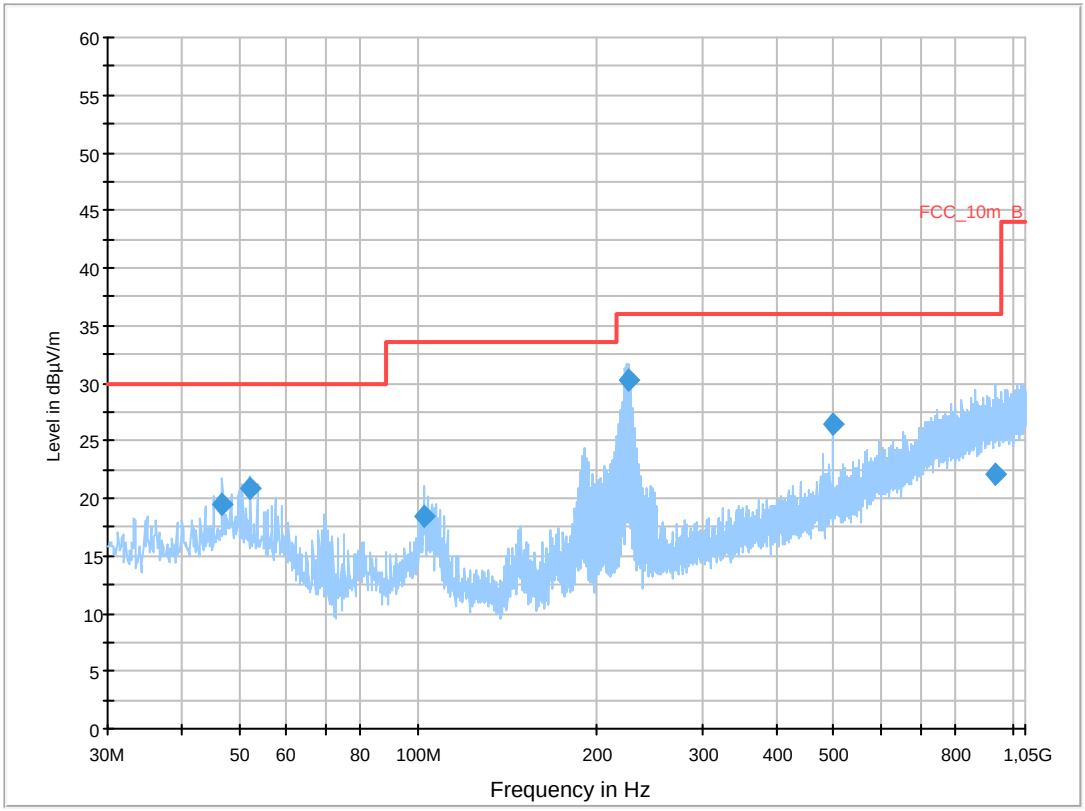
Common Information

EUT:	WLANBV2-A + antenna 453564175981
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

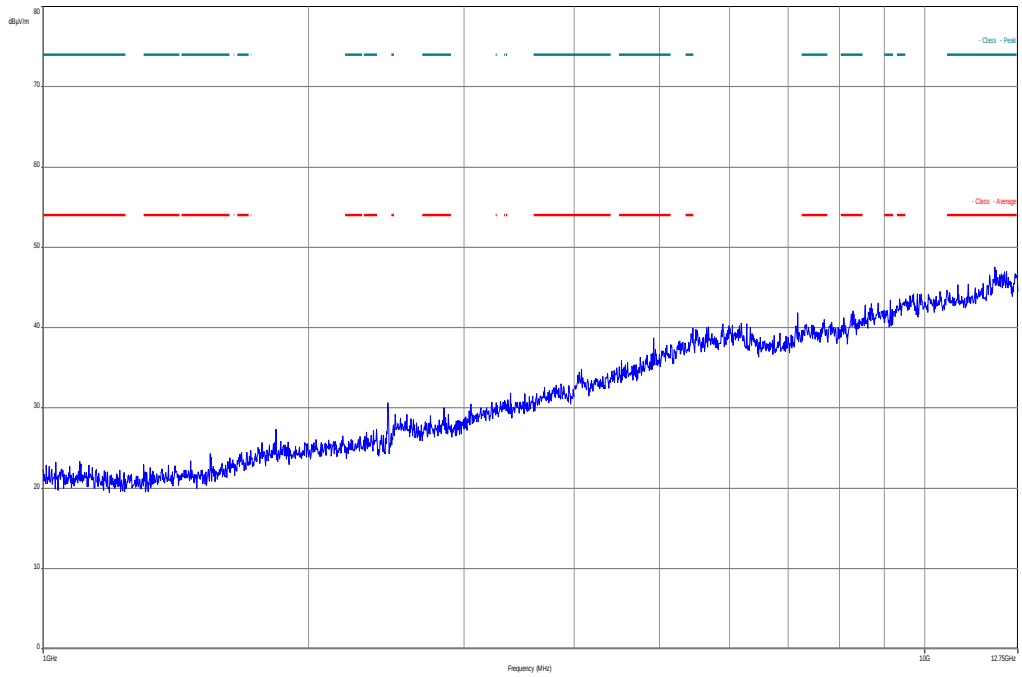
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

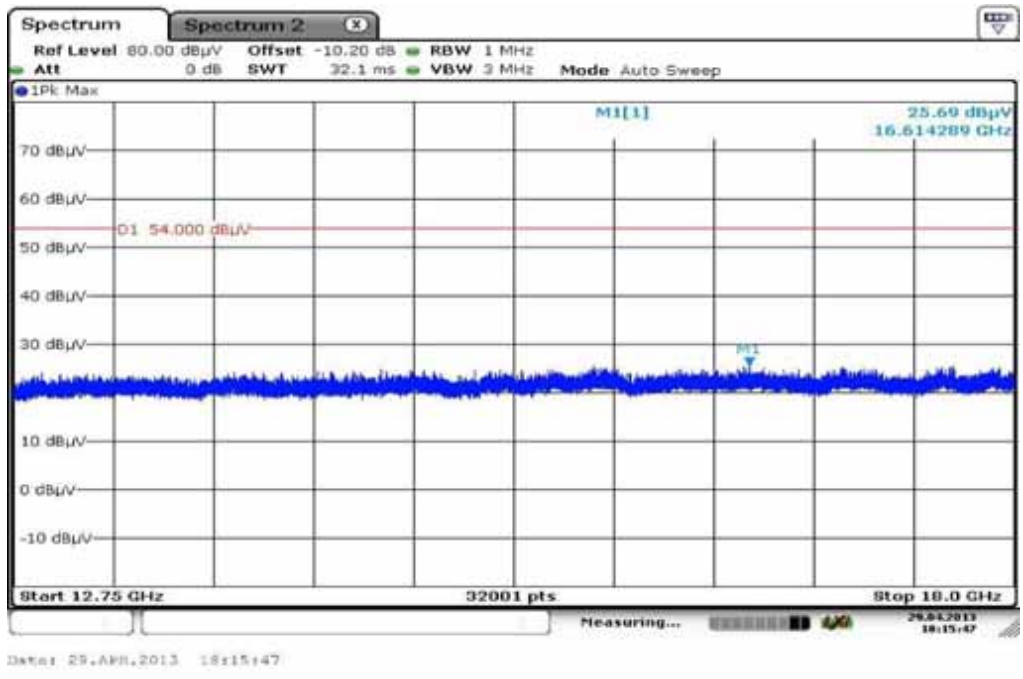
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
46.852500	19.5	1000.0	120.000	98.0	V	90.0	13.3	10.5	30.0	
52.144050	20.9	1000.0	120.000	98.0	V	-9.0	13.2	9.1	30.0	
102.069000	18.5	1000.0	120.000	120.0	V	268.0	11.7	15.0	33.5	
225.290700	30.3	1000.0	120.000	170.0	V	280.0	12.6	5.7	36.0	
500.011200	26.4	1000.0	120.000	170.0	H	190.0	18.7	9.6	36.0	
931.229550	22.0	1000.0	120.000	170.0	V	170.0	25.3	14.0	36.0	

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

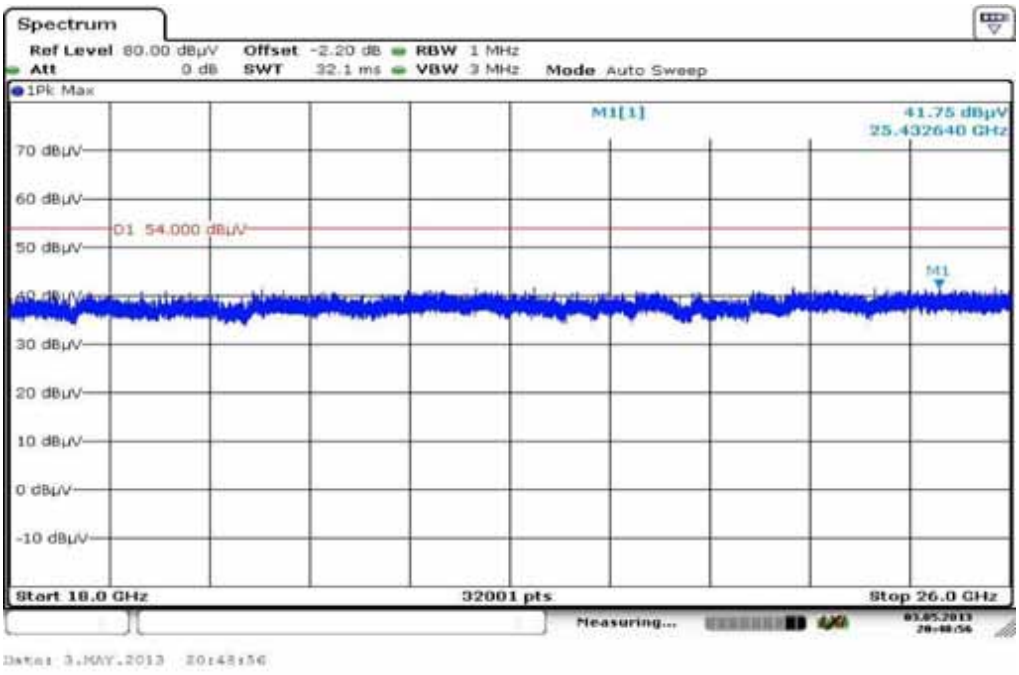


The carrier signal is notched with a 2.4 GHz band rejection filter.

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 / g – mode (ANT 453564175981)

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

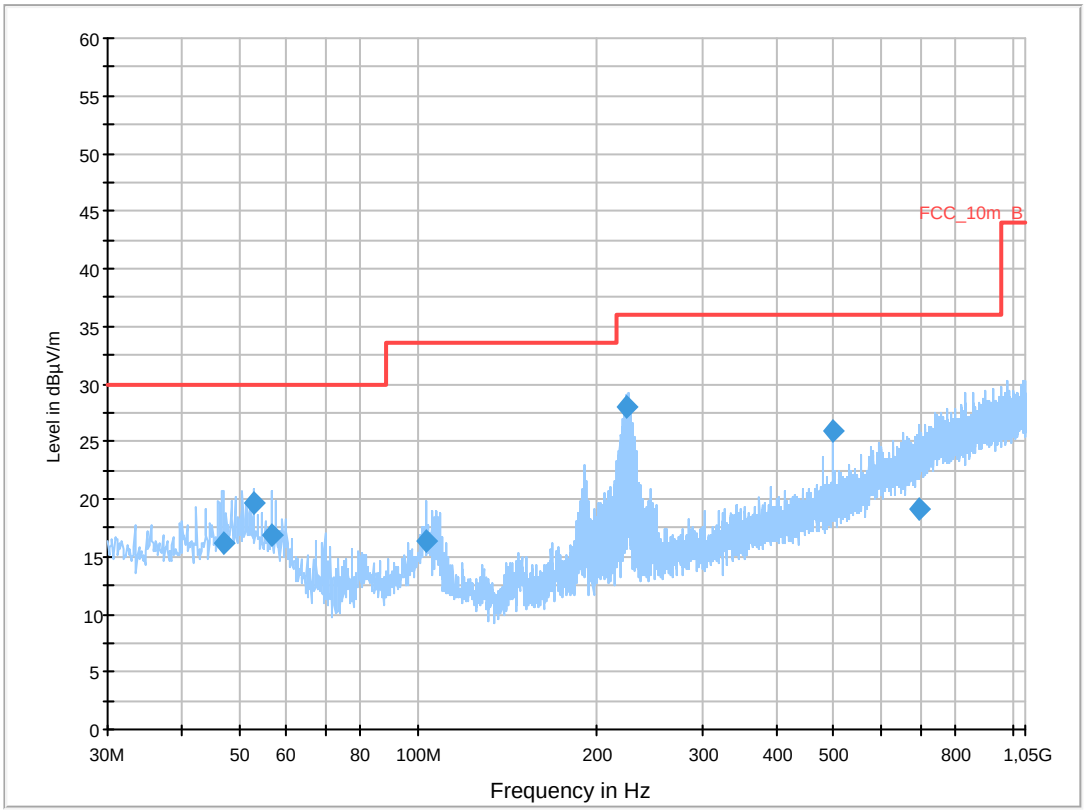
Common Information

EUT:	WLANBV2-A + antenna 453564175981
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

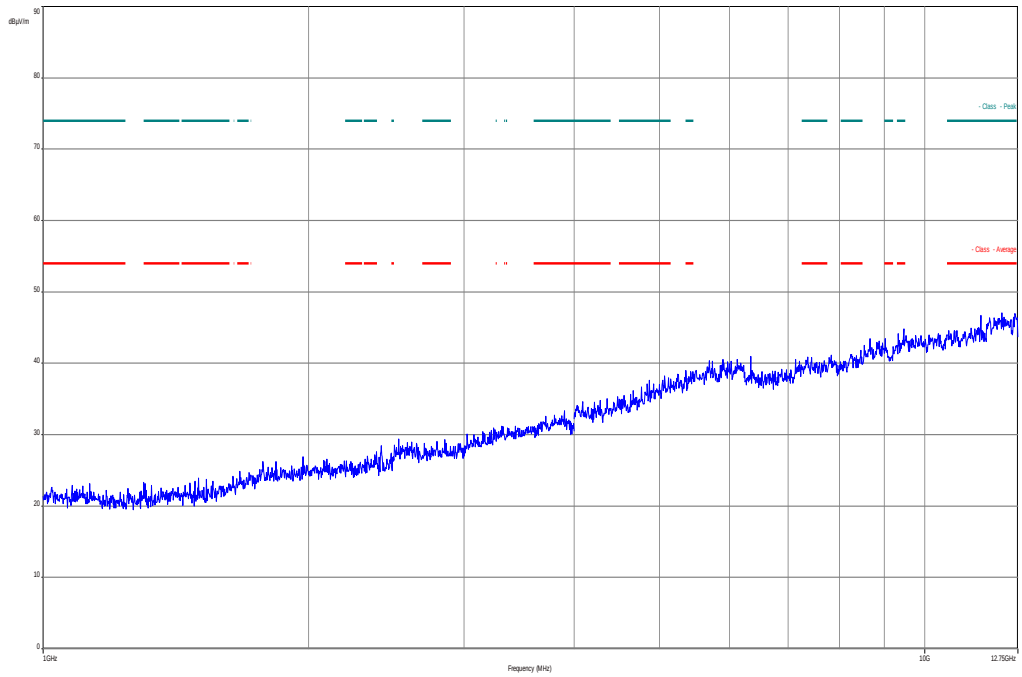
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

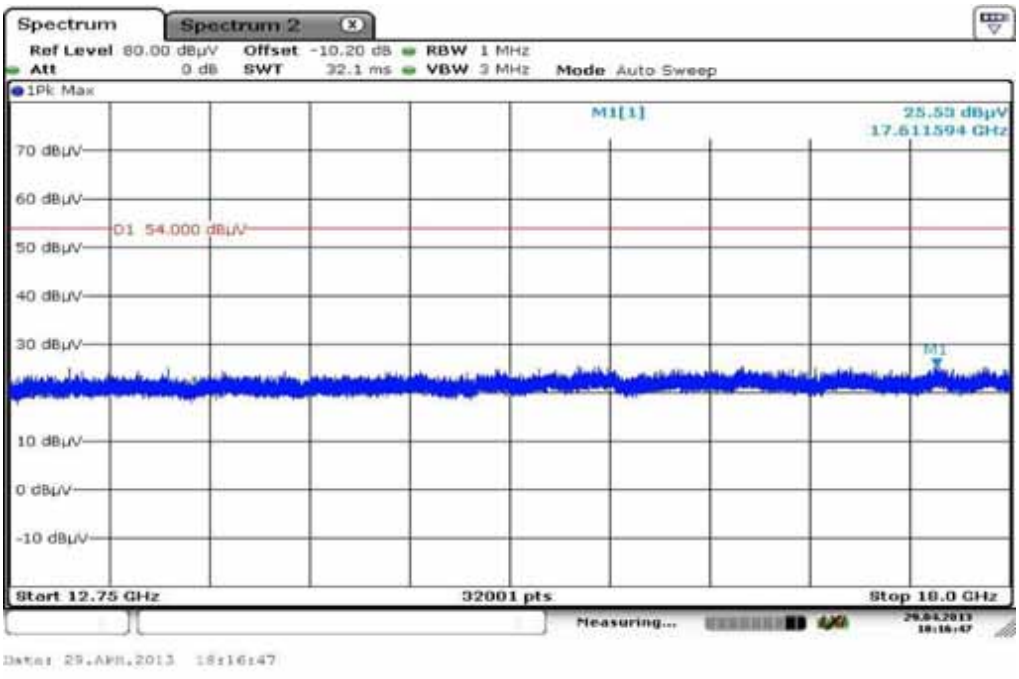
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
47.022600	16.2	1000.0	120.000	124.0	V	92.0	13.3	13.8	30.0	
53.002950	19.7	1000.0	120.000	98.0	V	268.0	13.1	10.3	30.0	
56.813100	16.9	1000.0	120.000	170.0	V	92.0	12.4	13.1	30.0	
102.994650	16.4	1000.0	120.000	98.0	V	10.0	11.6	17.1	33.5	
224.869200	28.0	1000.0	120.000	98.0	V	273.0	12.5	8.0	36.0	
499.972950	25.9	1000.0	120.000	170.0	H	10.0	18.7	10.1	36.0	
...	...	...	...	...	...	...	...	...	...	...

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

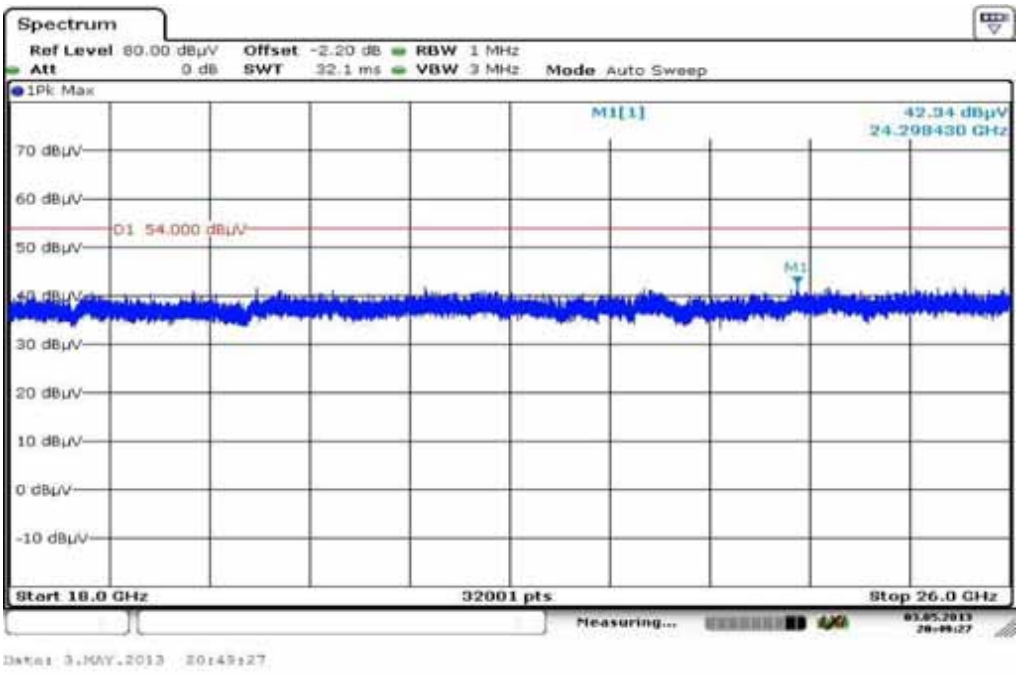


The carrier signal is notched with a 2.4 GHz band rejection filter.

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



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



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

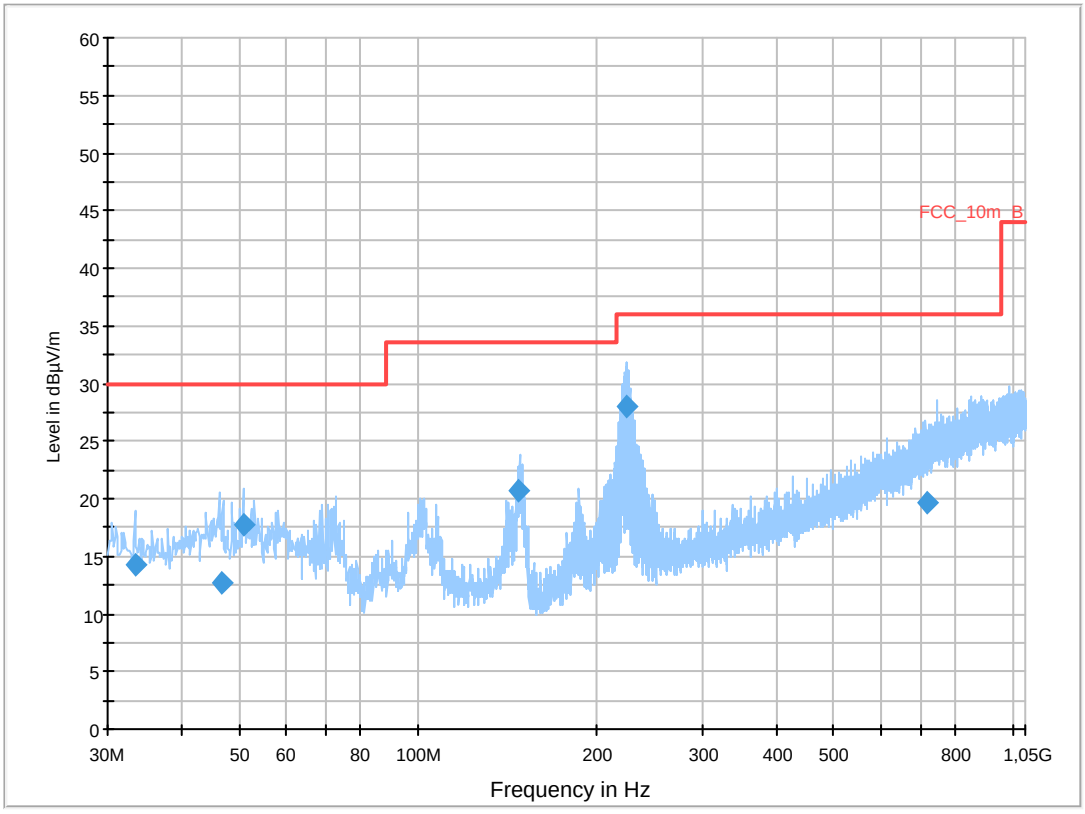
Common Information

EUT:	WLANBV2-A + antenna 453564175981
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

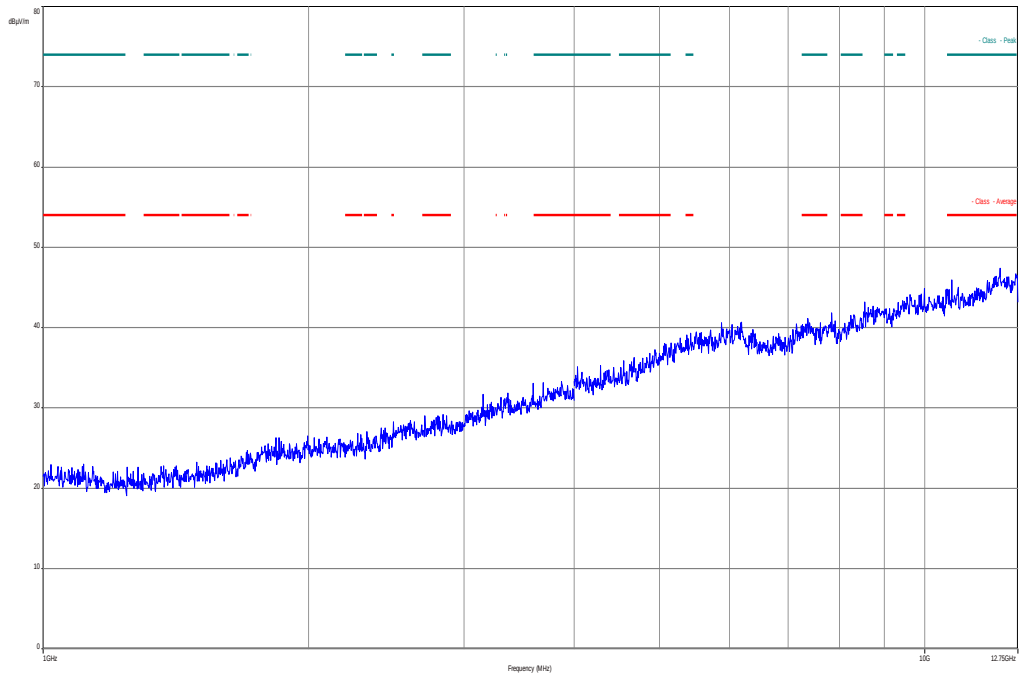
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

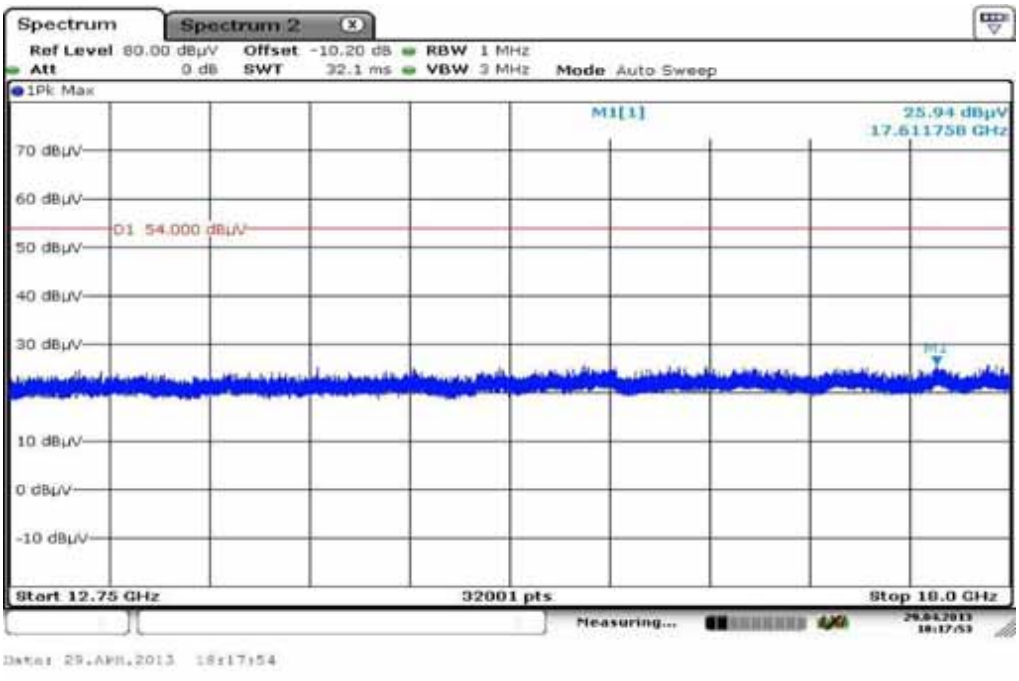
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
33.368550	14.3	1000.0	120.000	98.0	V	280.0	12.9	15.7	30.0	
46.757400	12.7	1000.0	120.000	98.0	V	267.0	13.3	17.3	30.0	
50.763600	17.7	1000.0	120.000	98.0	V	-9.0	13.3	12.3	30.0	
147.765750	20.7	1000.0	120.000	98.0	V	-2.0	8.9	12.8	33.5	
224.275500	28.0	1000.0	120.000	132.0	V	190.0	12.5	8.0	36.0	
715.196700	19.6	1000.0	120.000	170.0	V	268.0	22.9	16.4	36.0	

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

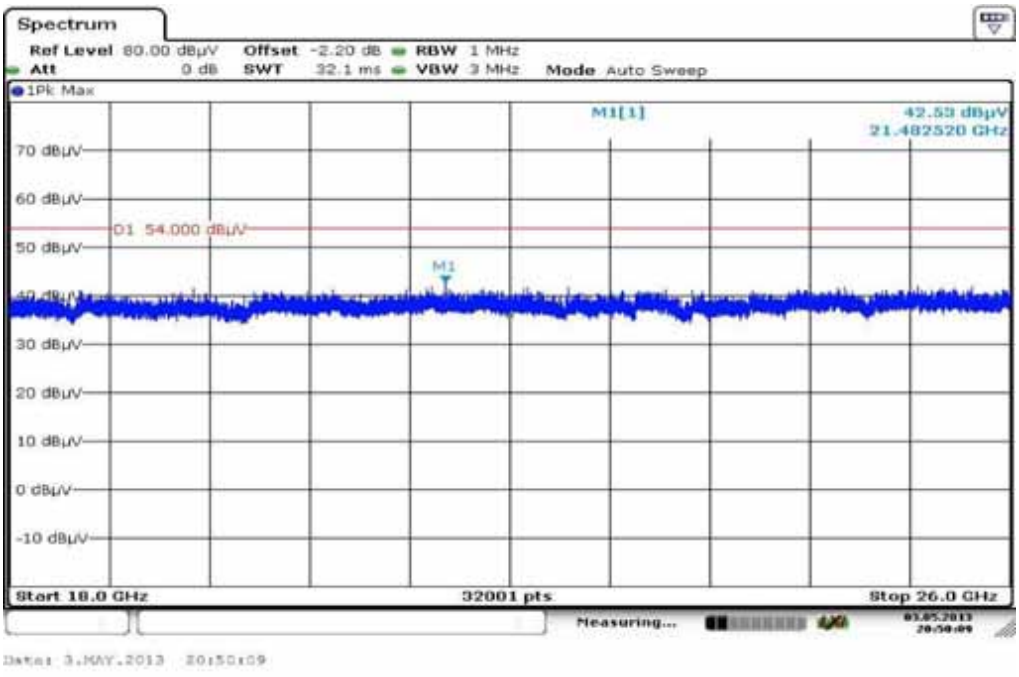


The carrier signal is notched with a 2.4 GHz band rejection filter.

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

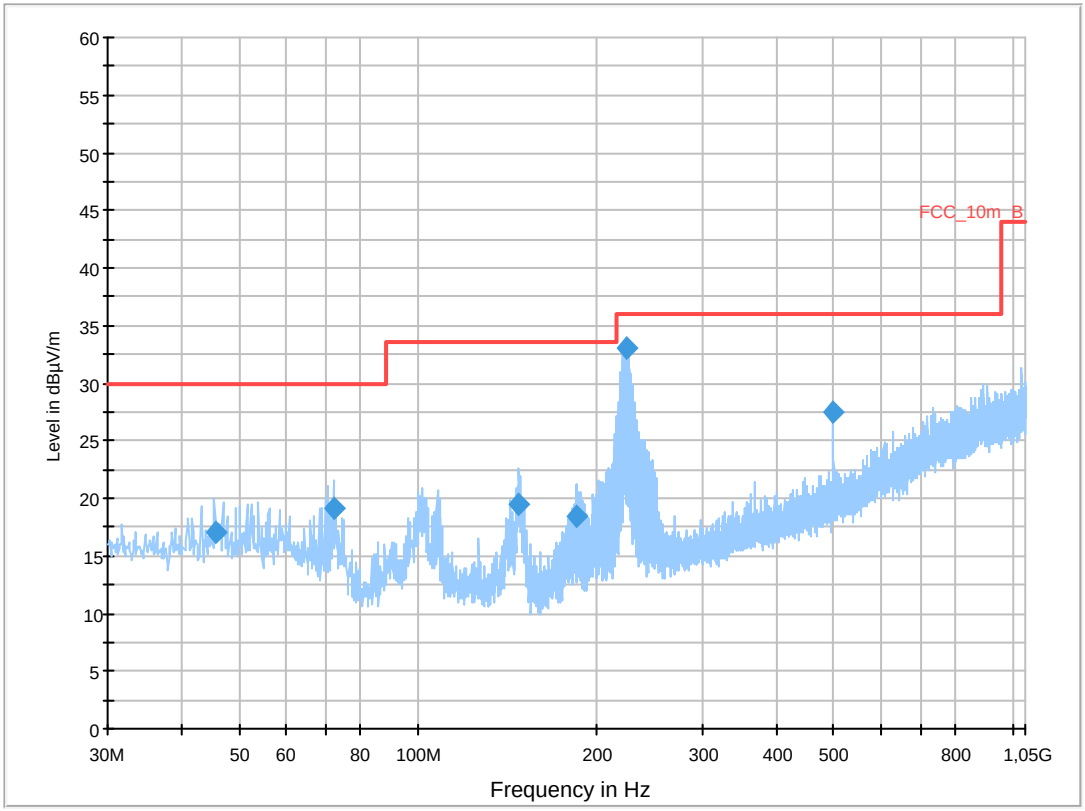
Common Information

EUT:	WLANBV2-A + antenna 453564175981
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

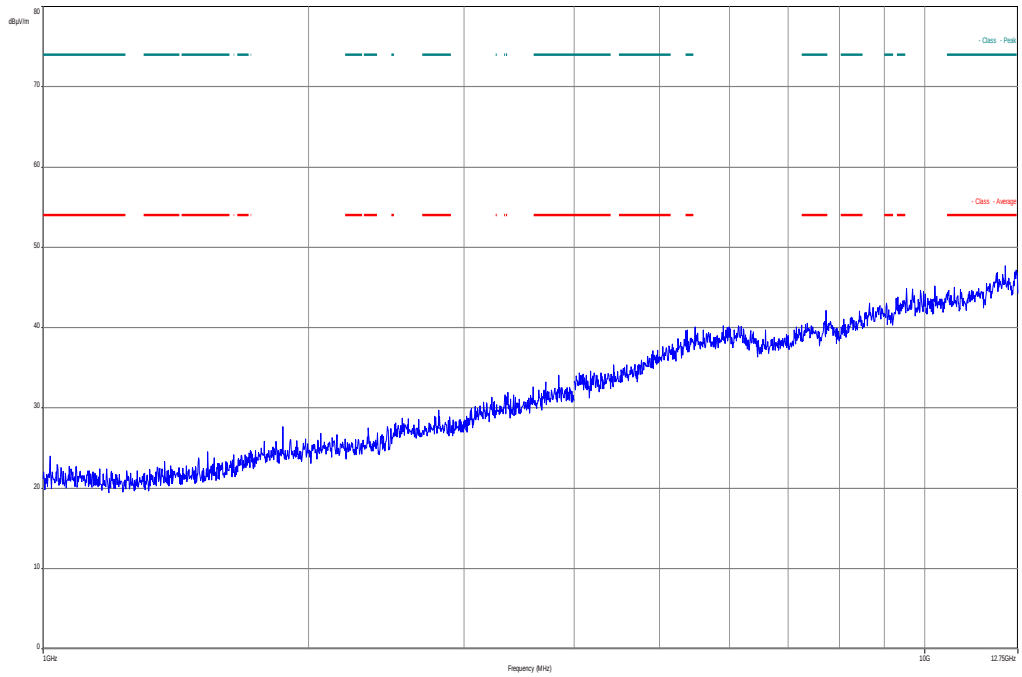
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

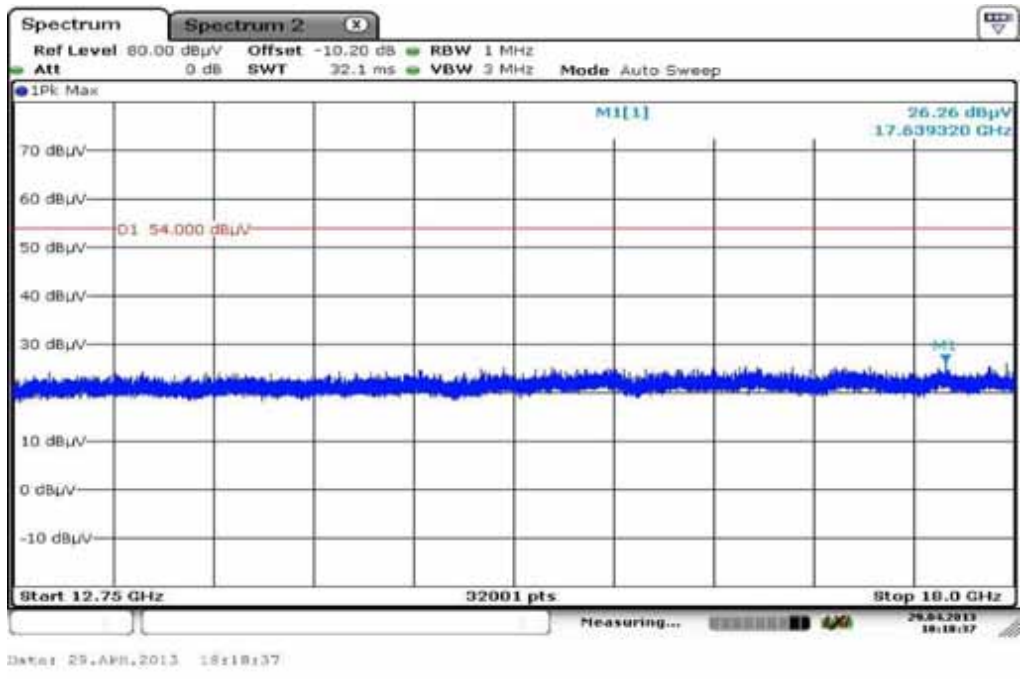
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
45.458400	17.1	1000.0	120.000	112.0	V	-9.0	13.3	12.9	30.0	
71.979900	19.1	1000.0	120.000	170.0	V	80.0	9.2	10.9	30.0	
147.769350	19.5	1000.0	120.000	105.0	V	10.0	8.9	14.0	33.5	
184.119150	18.4	1000.0	120.000	170.0	V	280.0	10.7	15.1	33.5	
223.518750	33.0	1000.0	120.000	145.0	V	280.0	12.5	3.0	36.0	
499.979700	27.5	1000.0	120.000	170.0	H	-3.0	18.7	8.5	36.0	

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

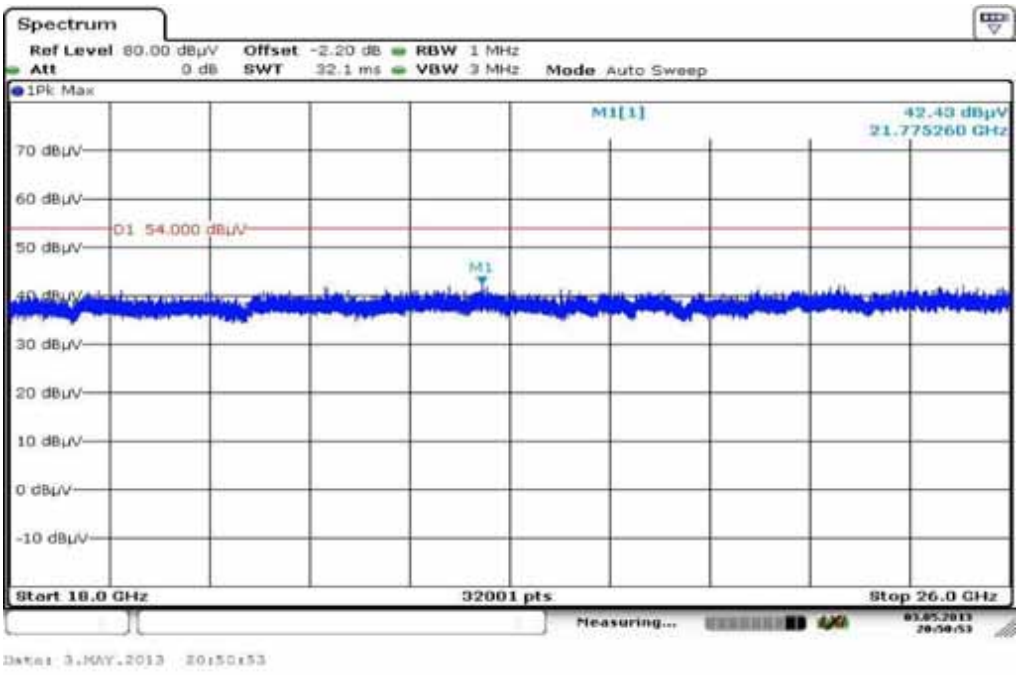


The carrier signal is notched with a 2.4 GHz band rejection filter.

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 HT20 (ANT 453564175981)

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

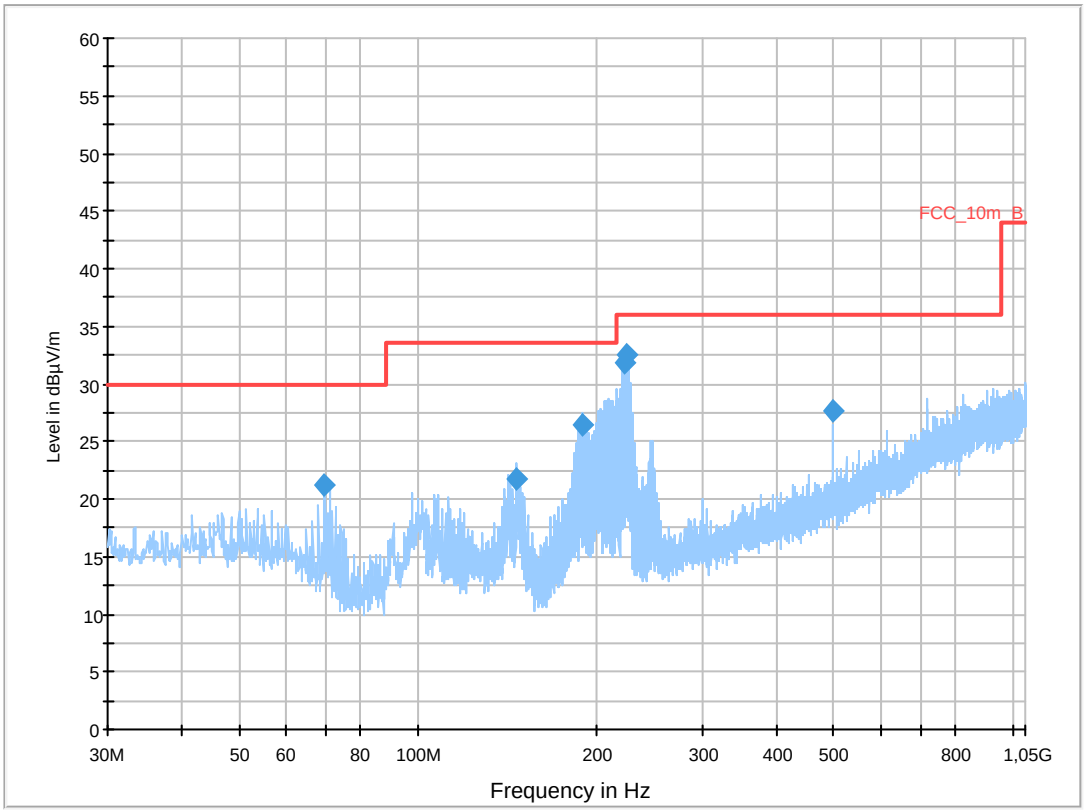
Common Information

EUT:	WLANBV2-A + antenna 453564175981
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

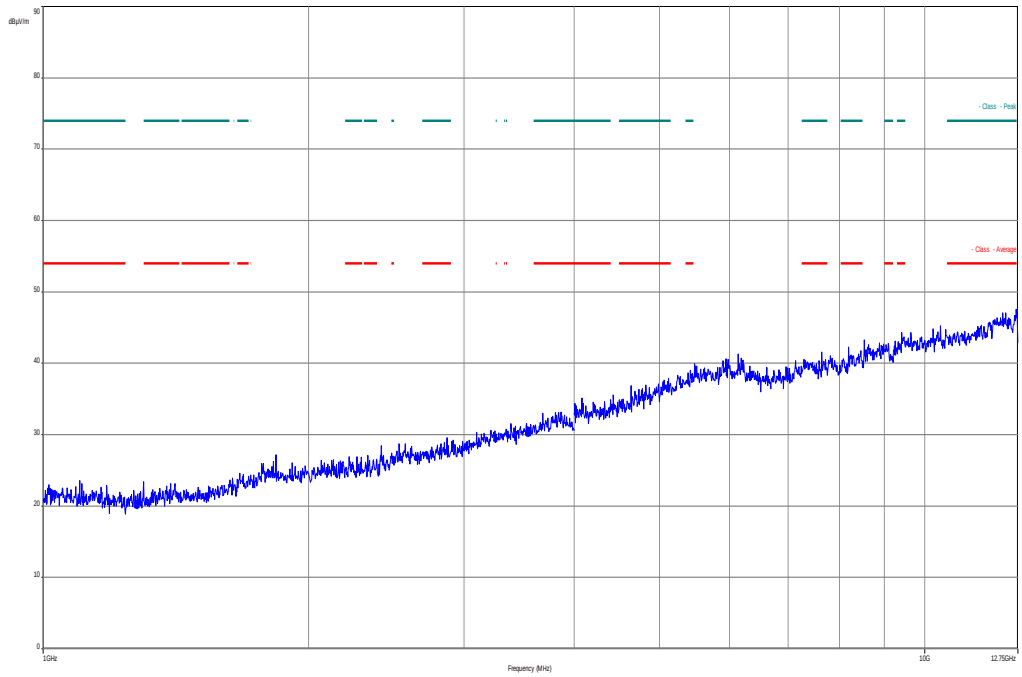
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

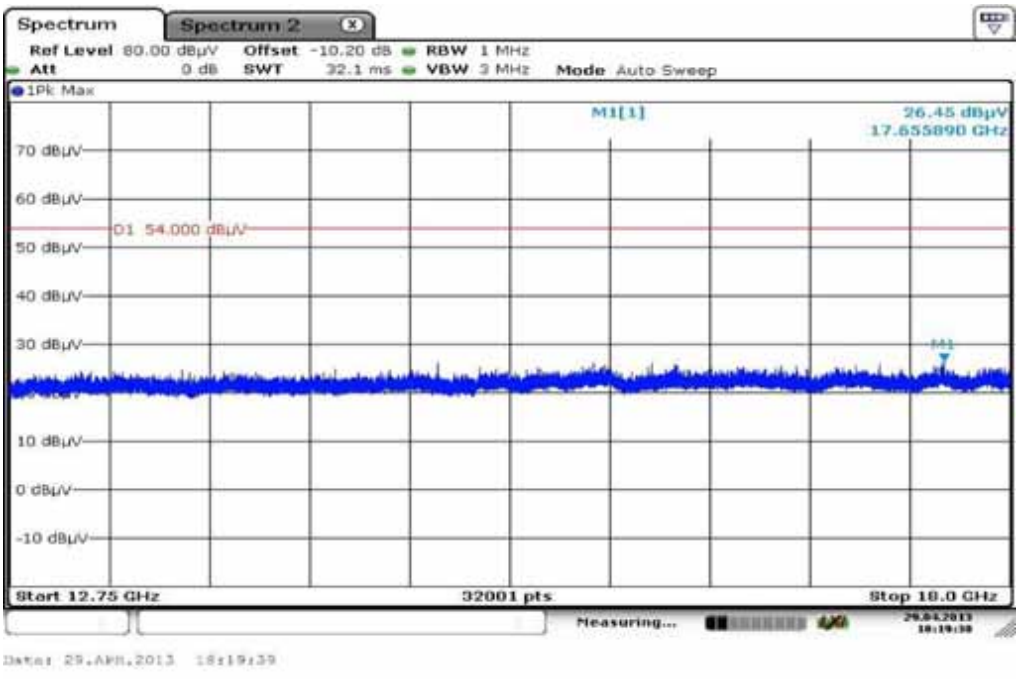
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
69.536400	21.2	1000.0	120.000	170.0	V	10.0	9.4	8.8	30.0	
146.616600	21.8	1000.0	120.000	104.0	V	280.0	8.8	11.7	33.5	
188.952900	26.5	1000.0	120.000	119.0	V	81.0	11.0	7.0	33.5	
221.442150	31.8	1000.0	120.000	98.0	V	0.0	12.4	4.2	36.0	
224.474100	32.5	1000.0	120.000	98.0	V	-3.0	12.5	3.5	36.0	
499.999050	27.7	1000.0	120.000	170.0	H	176.0	18.7	8.3	36.0	

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

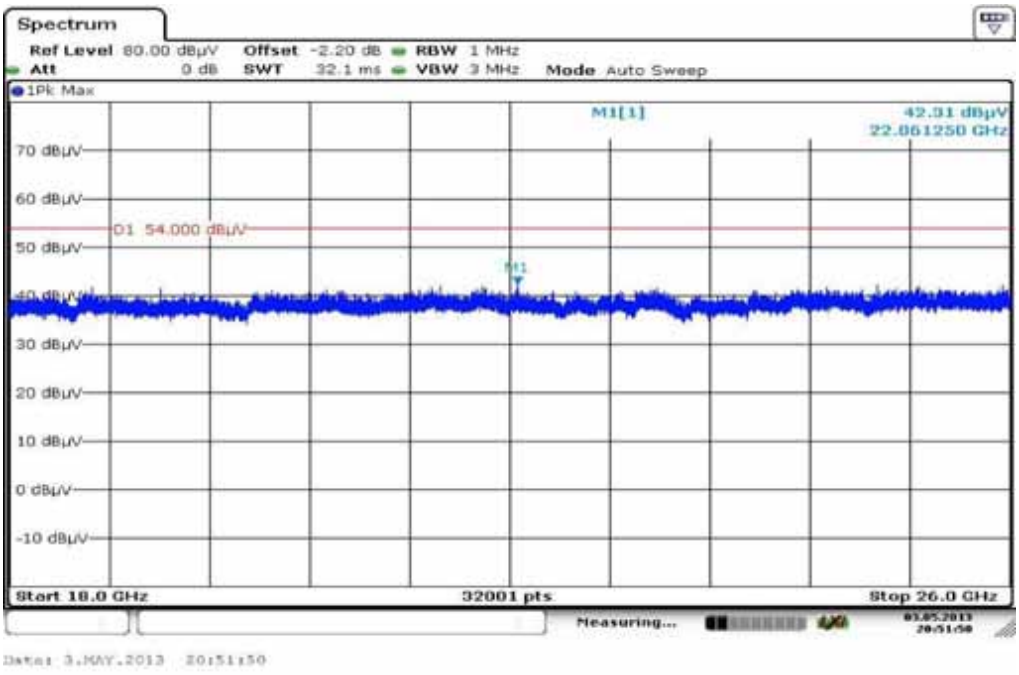


The carrier signal is notched with a 2.4 GHz band rejection filter.

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



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



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

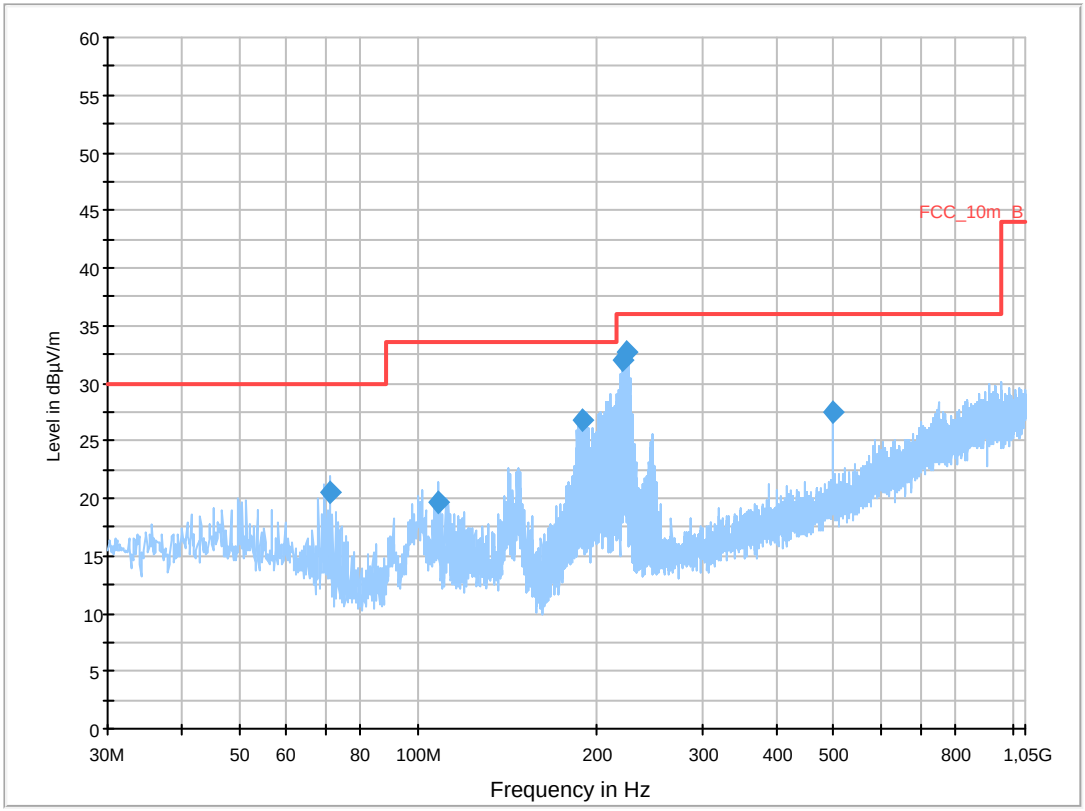
Common Information

EUT:	WLANBV2-A + antenna 453564175981
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

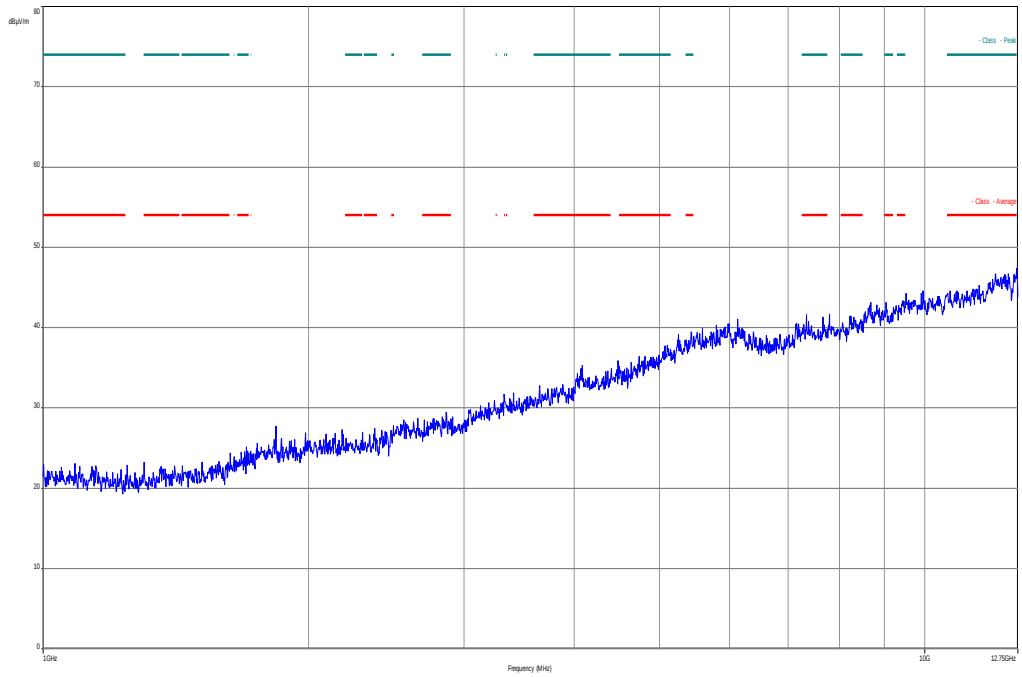
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

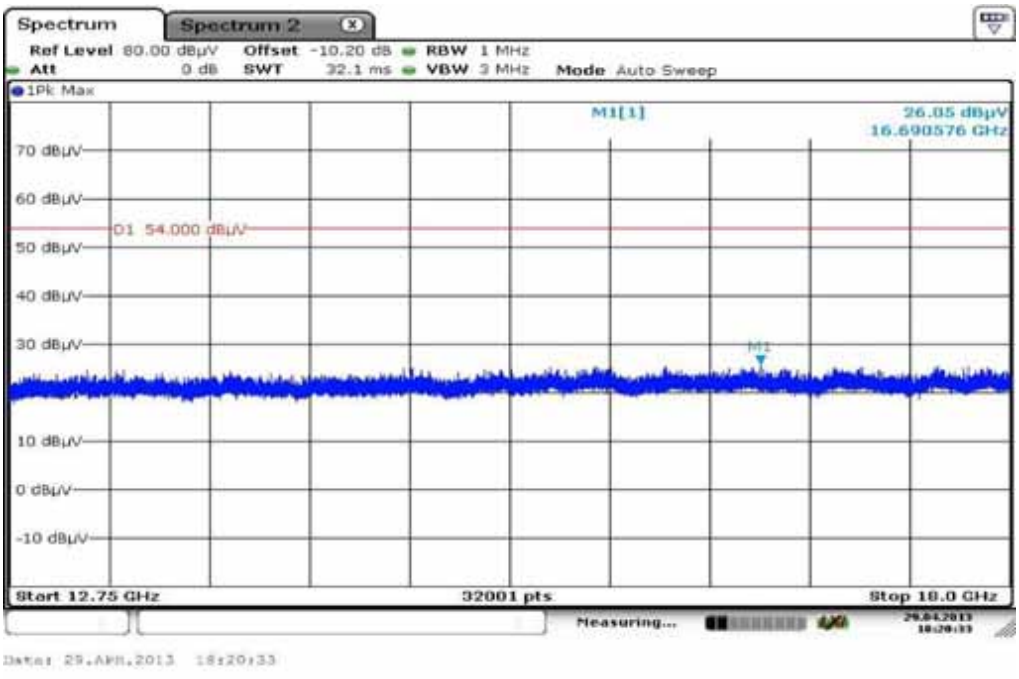
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
71.042100	20.5	1000.0	120.000	170.0	V	171.0	9.3	9.5	30.0	
108.077550	19.7	1000.0	120.000	170.0	V	10.0	11.2	13.8	33.5	
188.145000	26.7	1000.0	120.000	105.0	V	10.0	11.0	6.8	33.5	
221.376300	32.0	1000.0	120.000	98.0	V	-9.0	12.4	4.0	36.0	
224.430300	32.6	1000.0	120.000	161.0	V	-10.0	12.5	3.4	36.0	
499.995900	27.4	1000.0	120.000	170.0	H	-1.0	18.7	8.6	36.0	

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

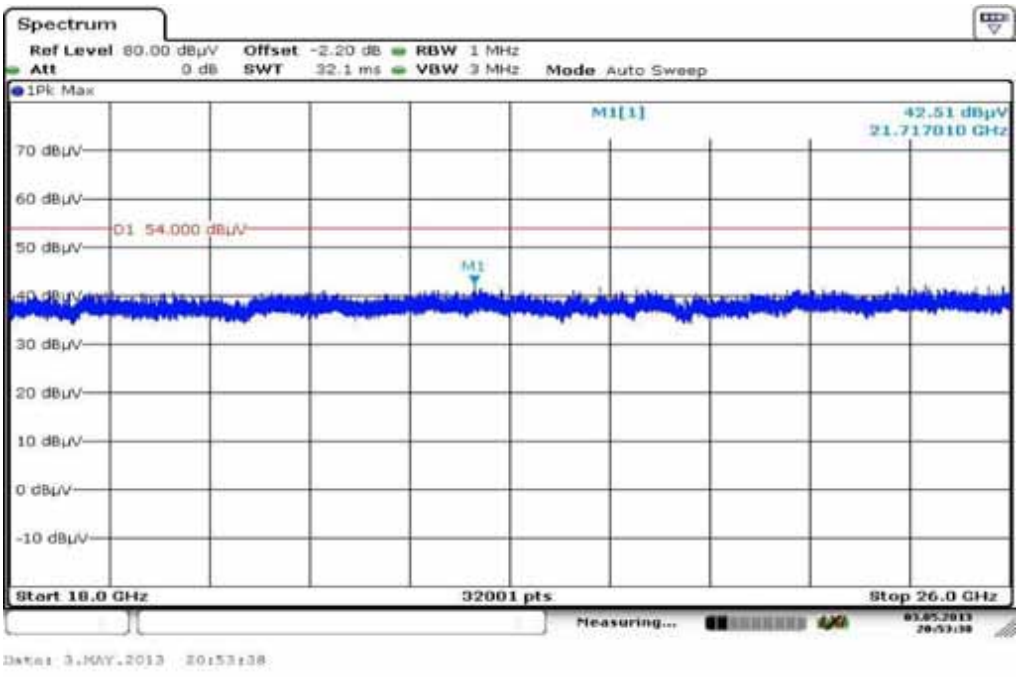


The carrier signal is notched with a 2.4 GHz band rejection filter.

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

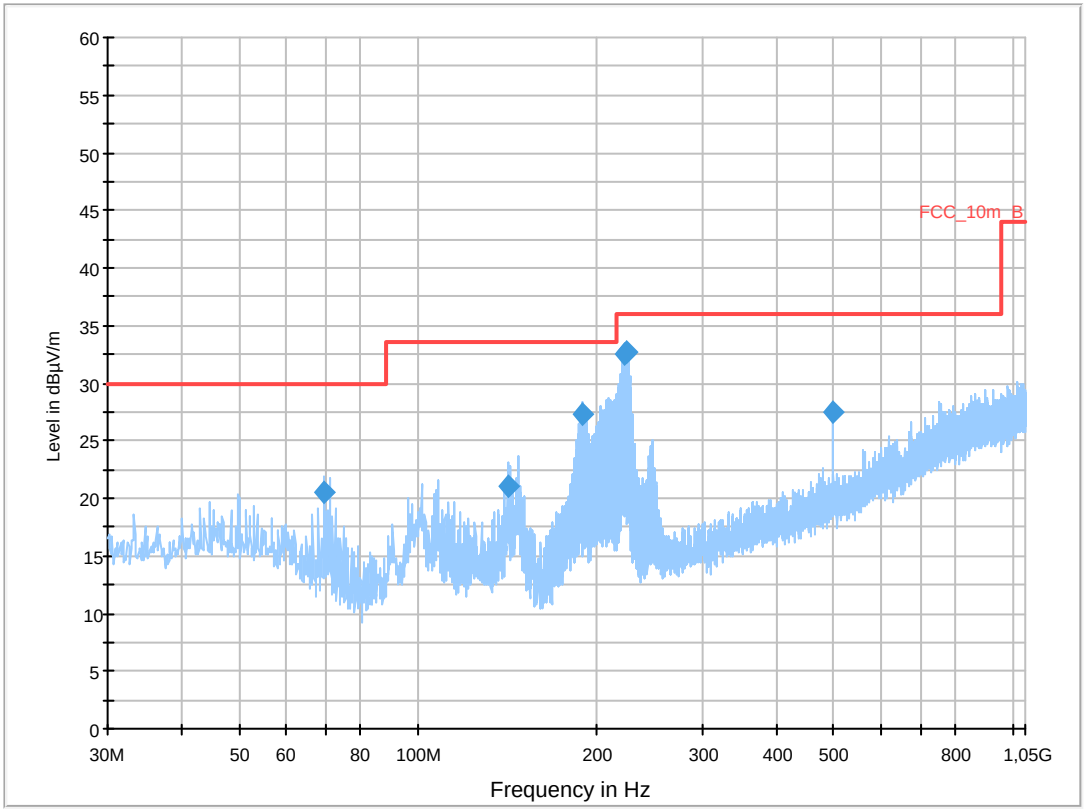
Common Information

EUT:	WLANBV2-A + antenna 453564175981
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan n-mode HT20 ch64
Operator Name:	Wolsdorfer
Comment:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

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

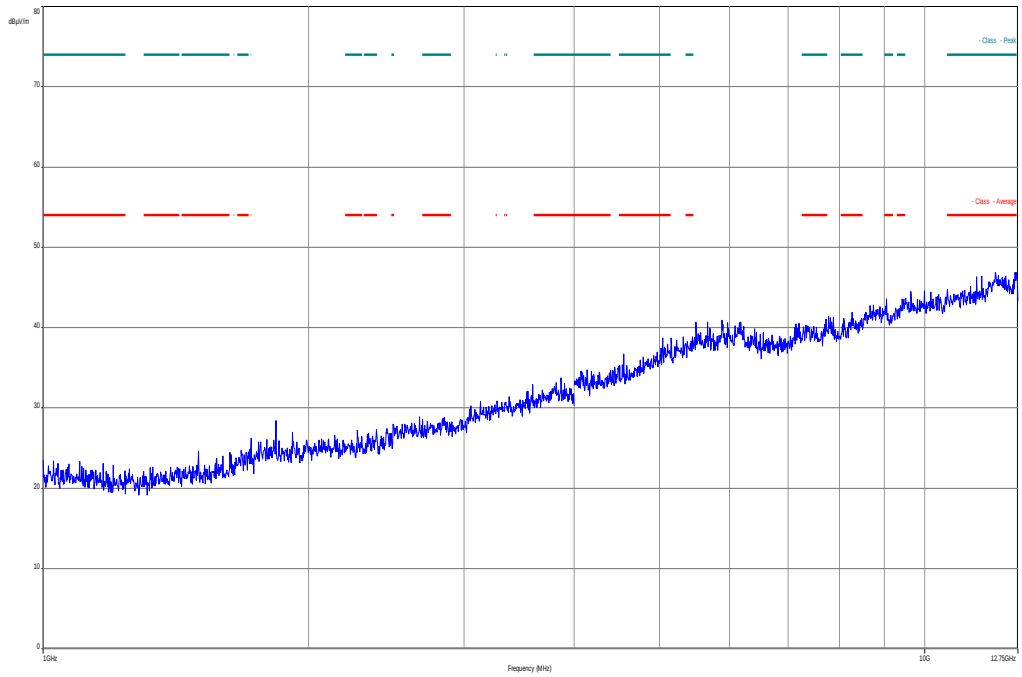
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

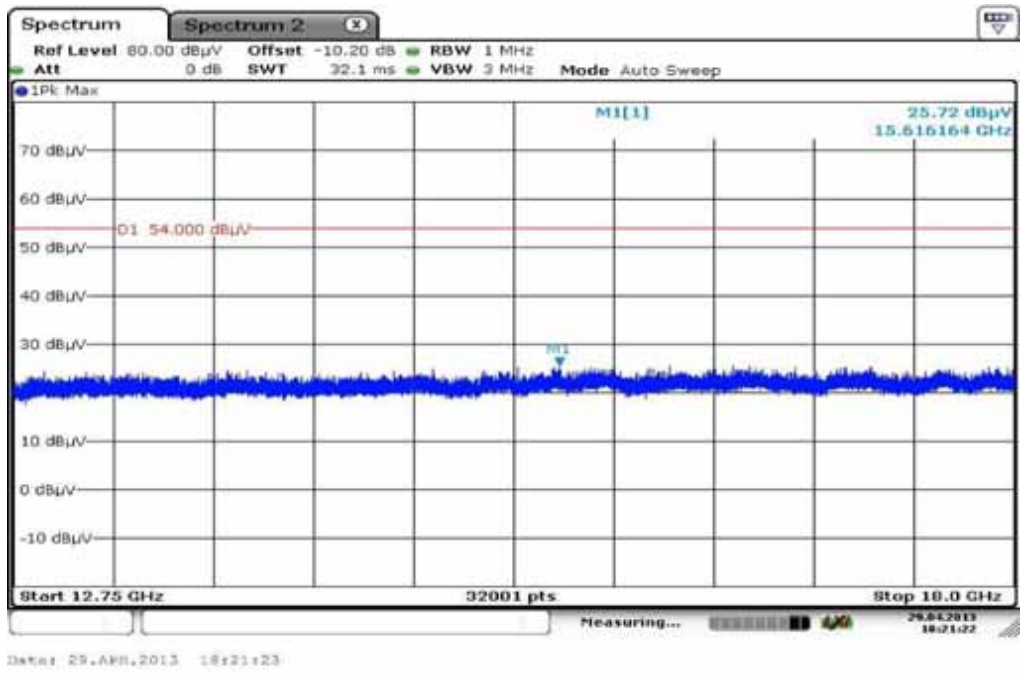
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
69.526800	20.6	1000.0	120.000	170.0	V	86.0	9.4	9.4	30.0	
141.303750	21.0	1000.0	120.000	111.0	V	190.0	8.7	12.5	33.5	
188.896500	27.2	1000.0	120.000	98.0	V	10.0	11.0	6.3	33.5	
222.858900	32.6	1000.0	120.000	170.0	V	-9.0	12.5	3.4	36.0	
224.366550	32.7	1000.0	120.000	98.0	V	-5.0	12.5	3.3	36.0	
500.003100	27.4	1000.0	120.000	170.0	H	-2.0	18.7	8.6	36.0	

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

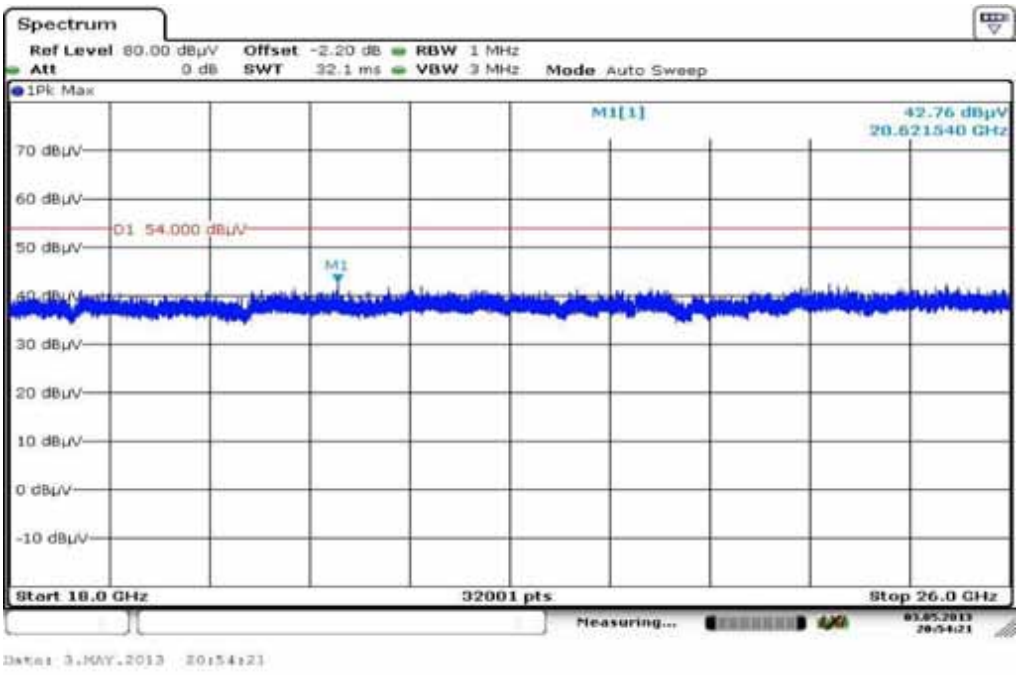


The carrier signal is notched with a 2.4 GHz band rejection filter.

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



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



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

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

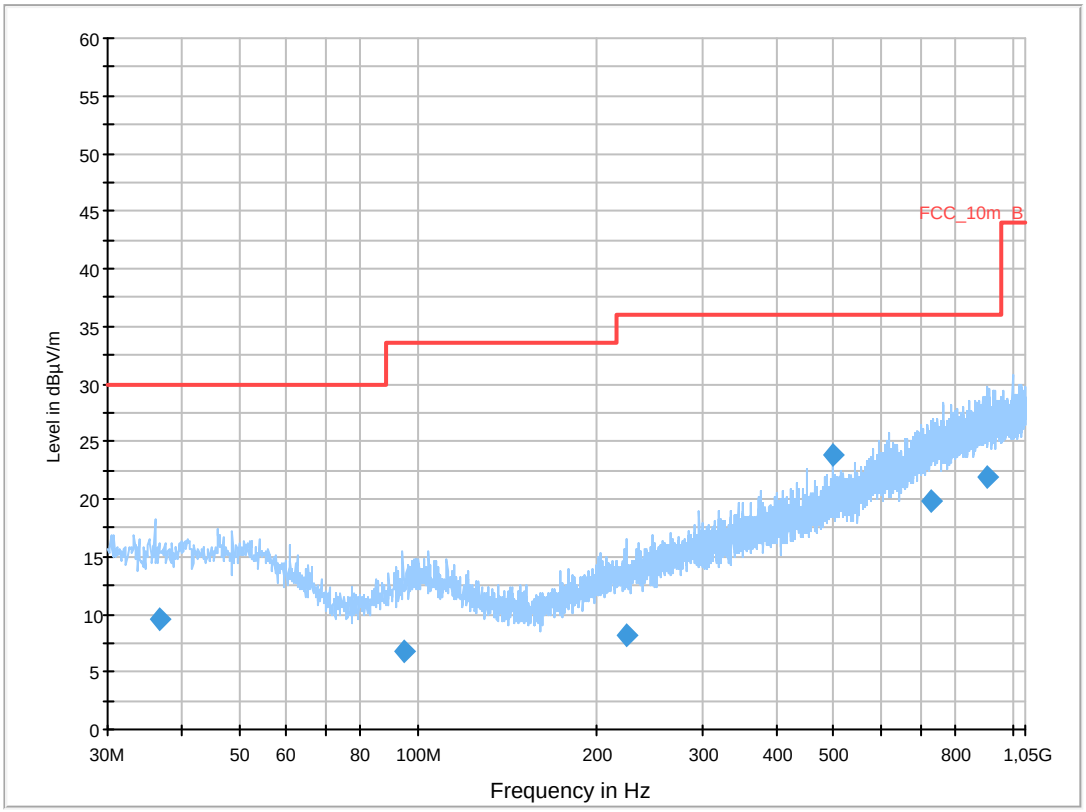
Common Information

EUT:	WLANBV2-A + antenna 453564175981
Serial Number:	eval 2
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan n-mode HT40 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

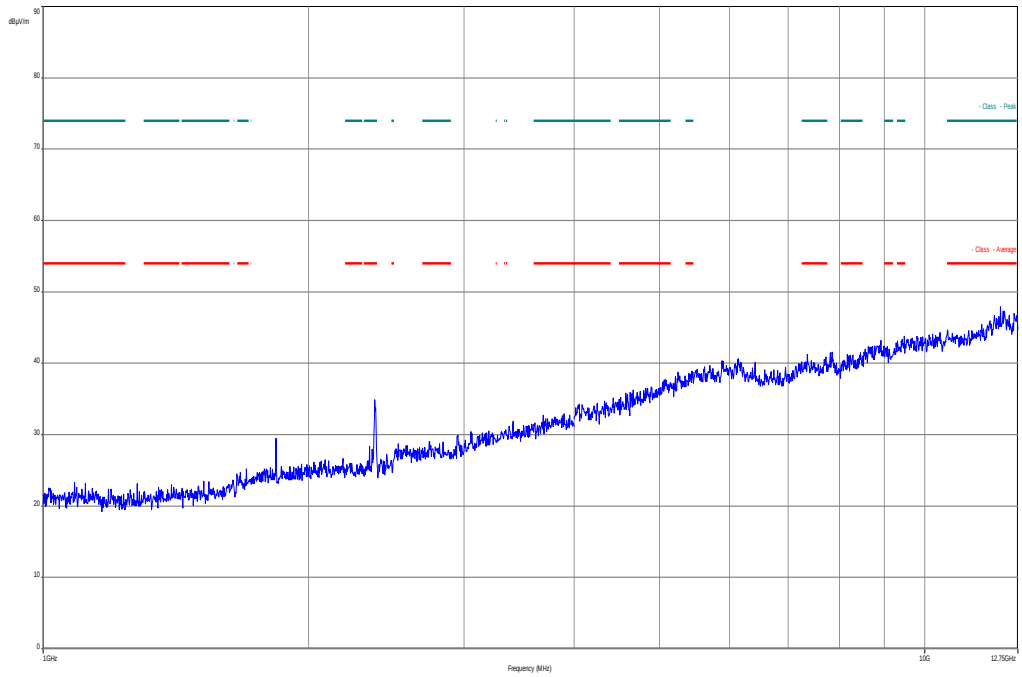
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

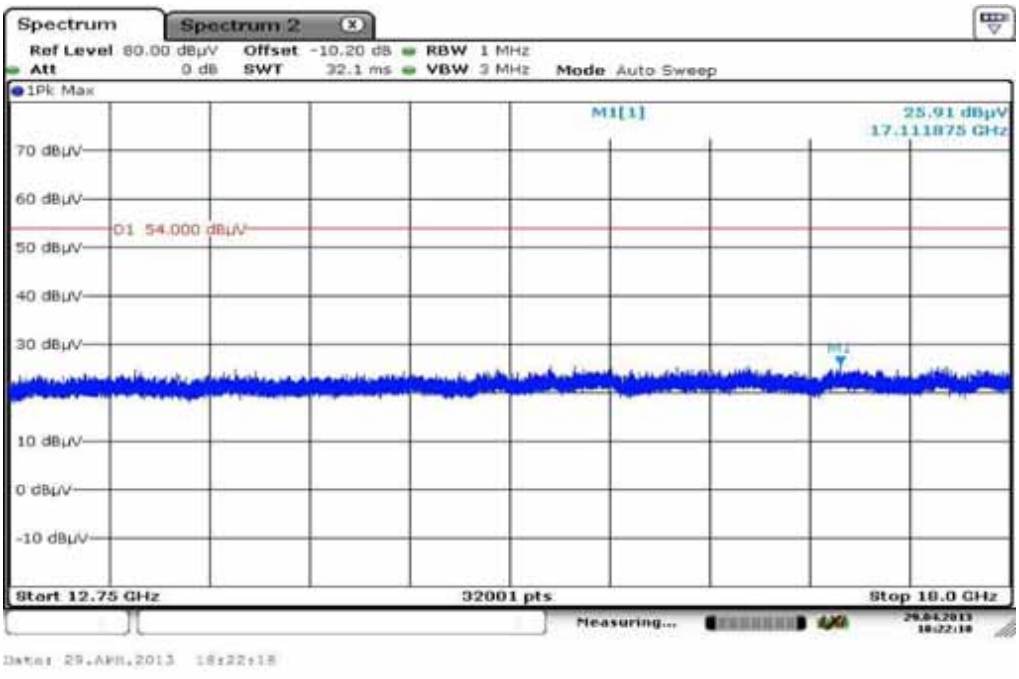
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
36.580050	9.6	1000.0	120.000	121.0	H	280.0	13.2	20.4	30.0	
94.641300	6.7	1000.0	120.000	146.0	H	176.0	11.2	26.8	33.5	
224.179650	8.1	1000.0	120.000	98.0	H	-10.0	12.5	27.9	36.0	
499.987200	23.9	1000.0	120.000	170.0	H	100.0	18.7	12.1	36.0	
726.220950	19.9	1000.0	120.000	98.0	V	10.0	23.1	16.1	36.0	
907.536450	22.0	1000.0	120.000	170.0	V	268.0	25.2	14.0	36.0	

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

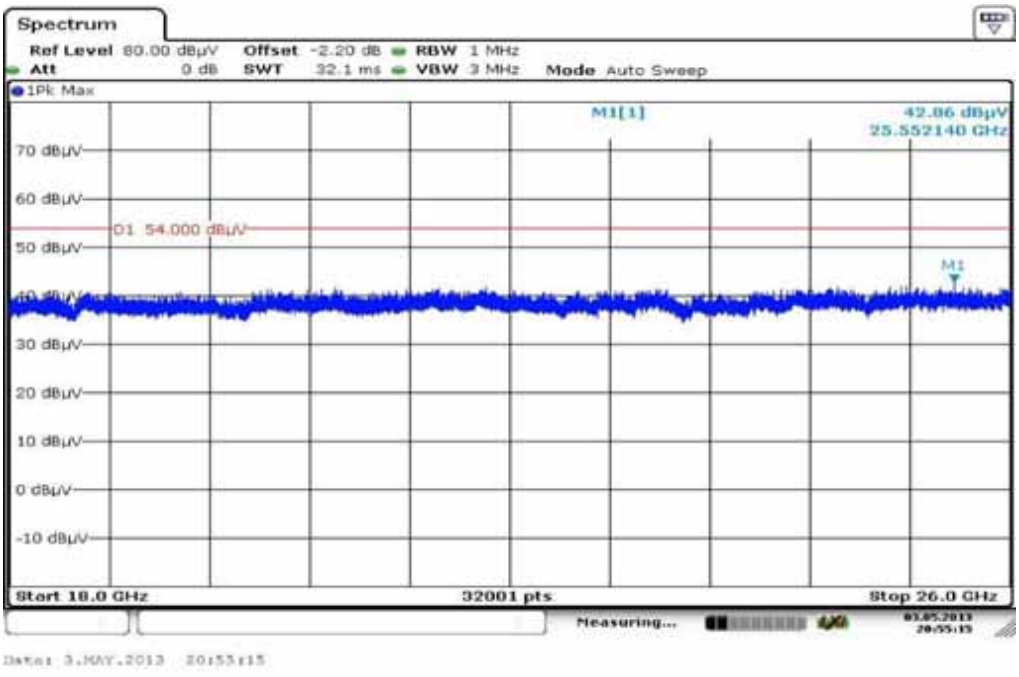


The carrier signal is notched with a 2.4 GHz band rejection filter.

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



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



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

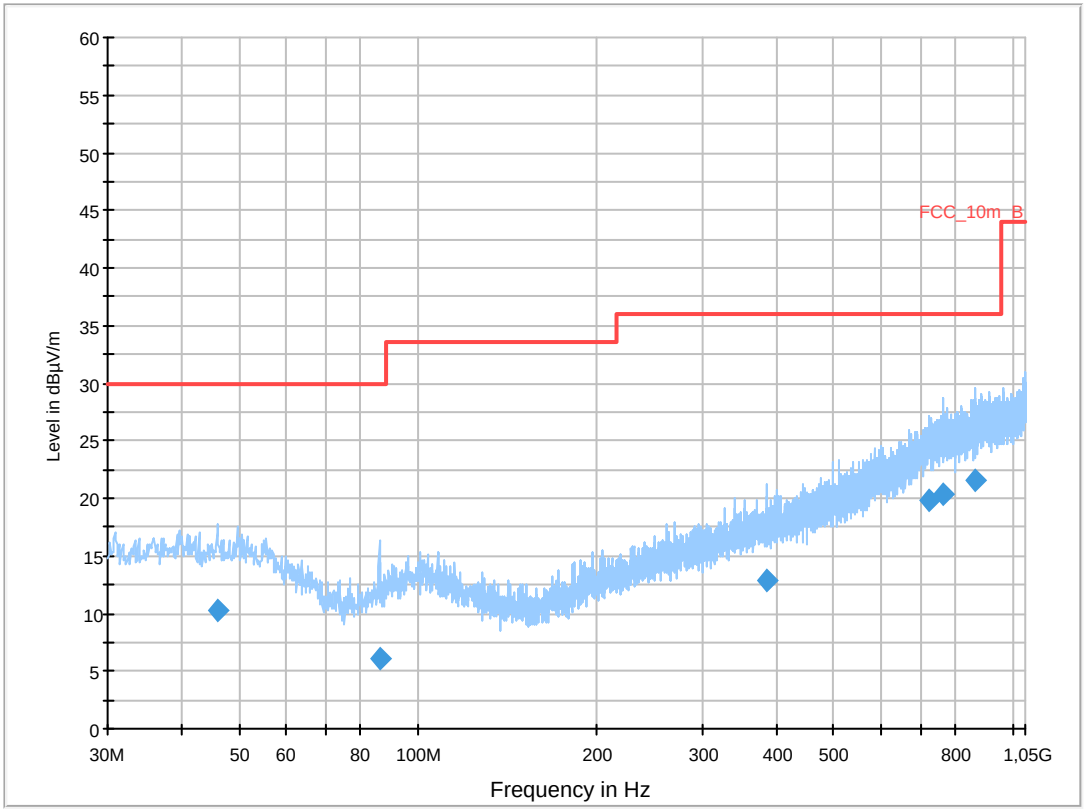
Common Information

EUT:	WLANBV2-A + antenna 453564175981
Serial Number:	eval 2
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan n-mode HT40 tx @ 2437MHz
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

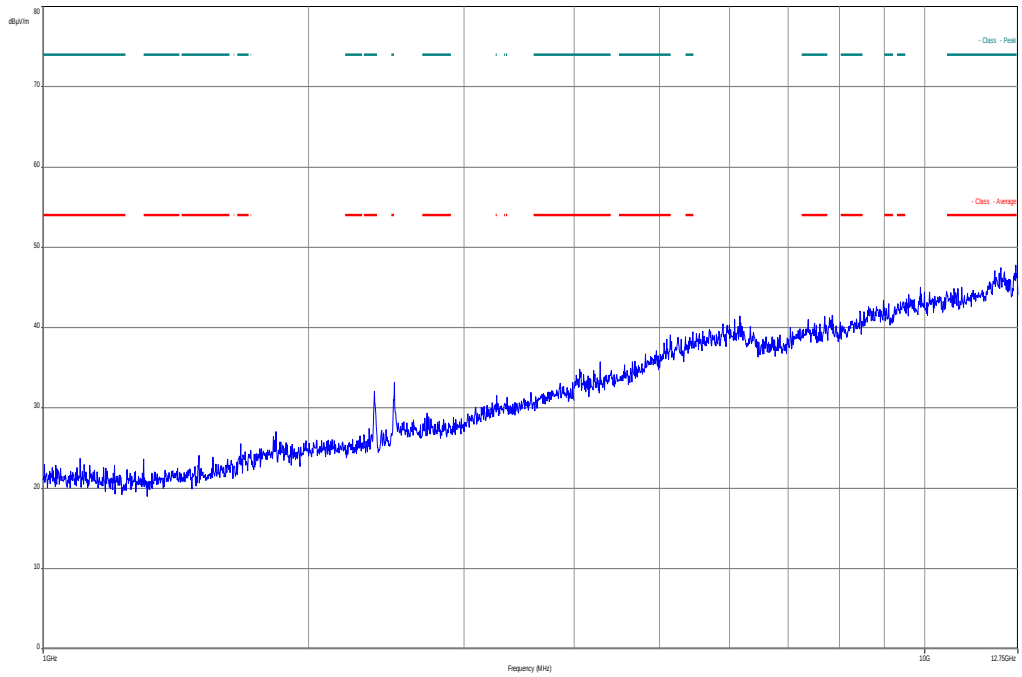
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

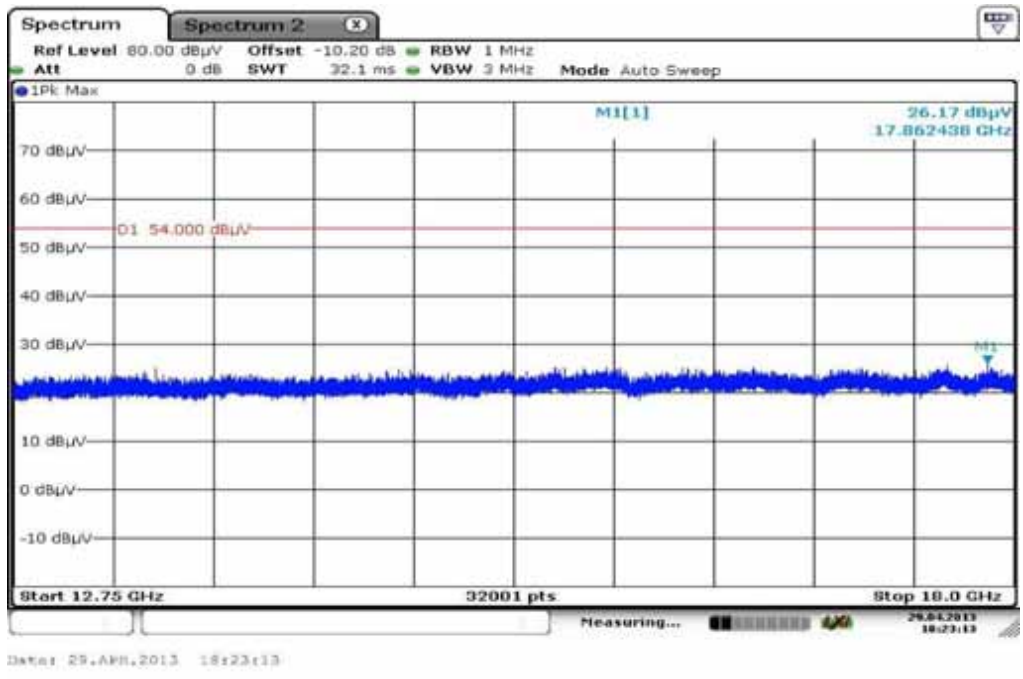
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
46.135050	10.2	1000.0	120.000	98.0	V	0.0	13.3	19.8	30.0	
86.086050	6.1	1000.0	120.000	170.0	V	280.0	10.0	23.9	30.0	
386.605200	12.8	1000.0	120.000	170.0	V	280.0	16.7	23.2	36.0	
722.422950	19.9	1000.0	120.000	170.0	H	100.0	23.0	16.1	36.0	
762.998100	20.4	1000.0	120.000	170.0	V	100.0	23.7	15.6	36.0	
867.166050	21.6	1000.0	120.000	170.0	H	265.0	24.8	14.4	36.0	

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

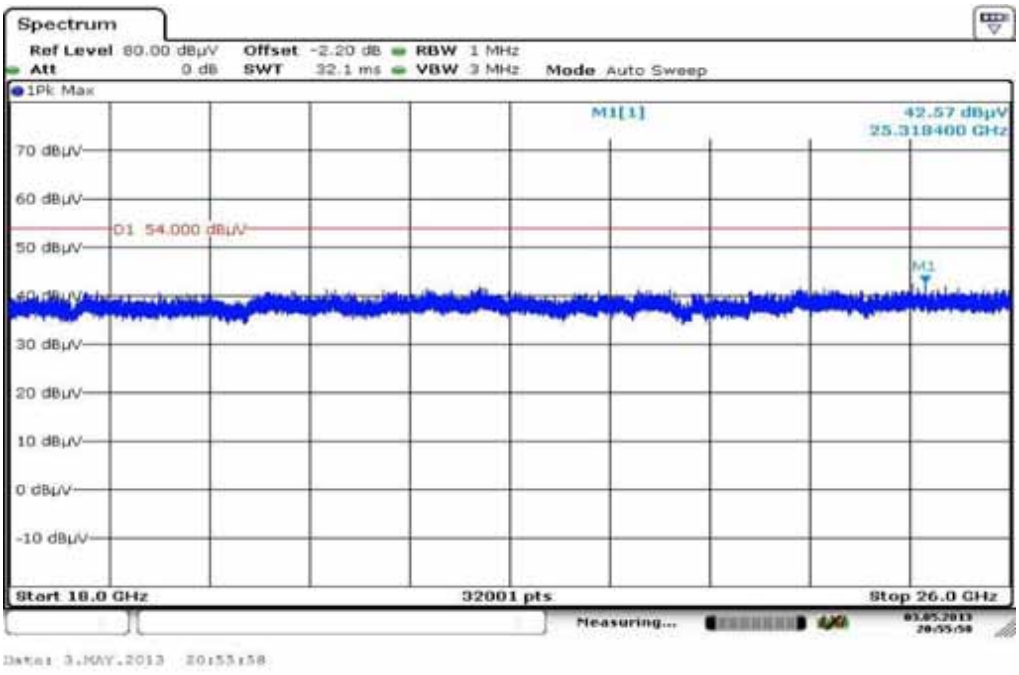


The carrier signal is notched with a 2.4 GHz band rejection filter.

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

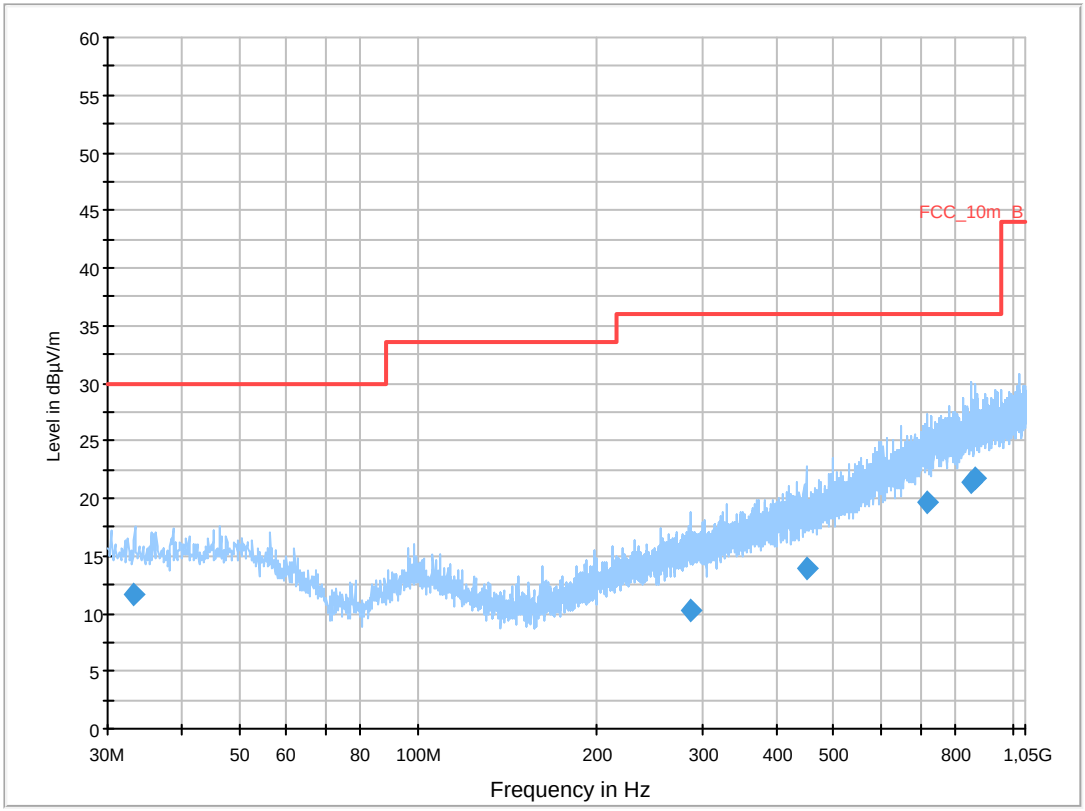
Common Information

EUT:	WLANBV2-A + antenna 453564175981
Serial Number:	eval 2
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan n-mode HT40 tx @ 2452MHz
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

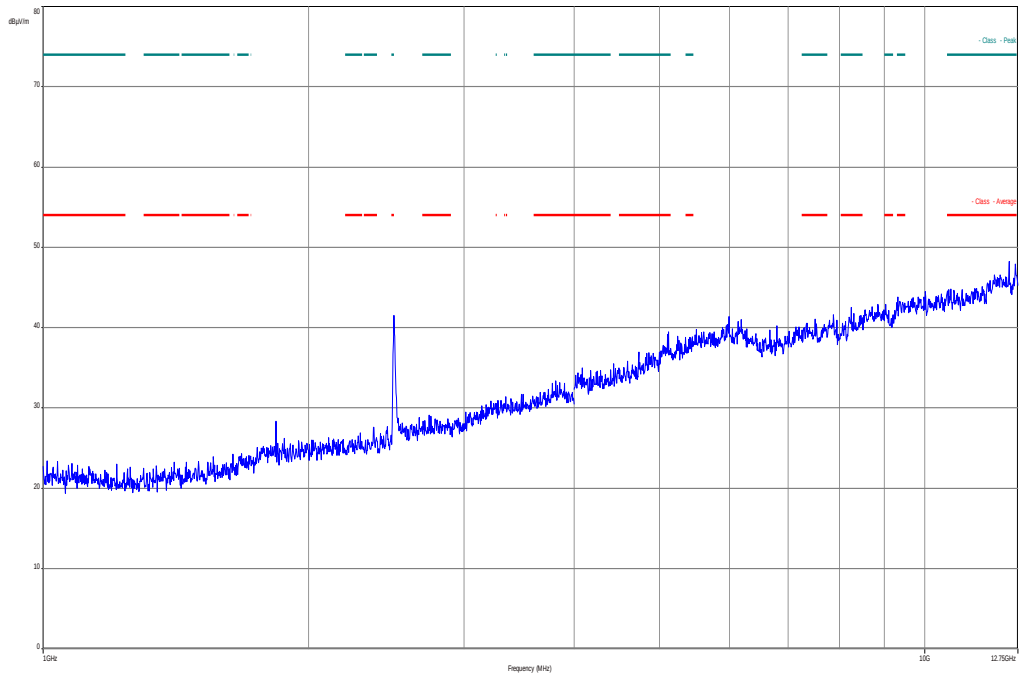
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

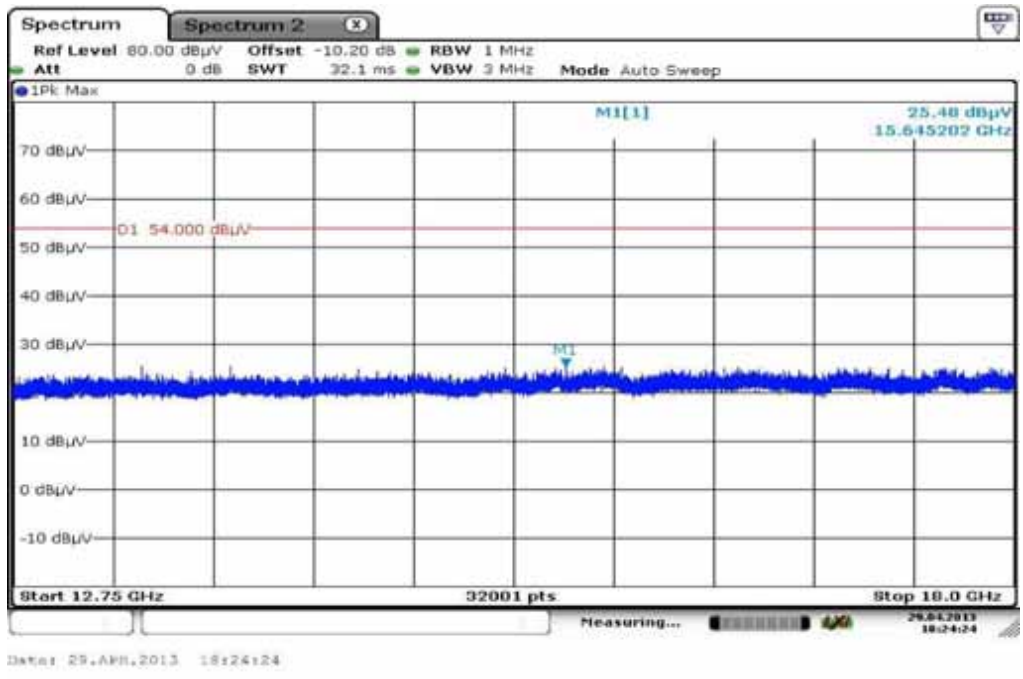
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
33.304800	11.6	1000.0	120.000	170.0	V	280.0	12.9	18.4	30.0	
286.882200	10.2	1000.0	120.000	170.0	V	10.0	14.2	25.8	36.0	
449.303850	13.8	1000.0	120.000	170.0	V	171.0	17.6	22.2	36.0	
718.646850	19.7	1000.0	120.000	104.0	V	170.0	22.9	16.3	36.0	
853.507050	21.4	1000.0	120.000	170.0	V	93.0	24.6	14.6	36.0	
867.417150	21.7	1000.0	120.000	123.0	V	280.0	24.8	14.3	36.0	

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

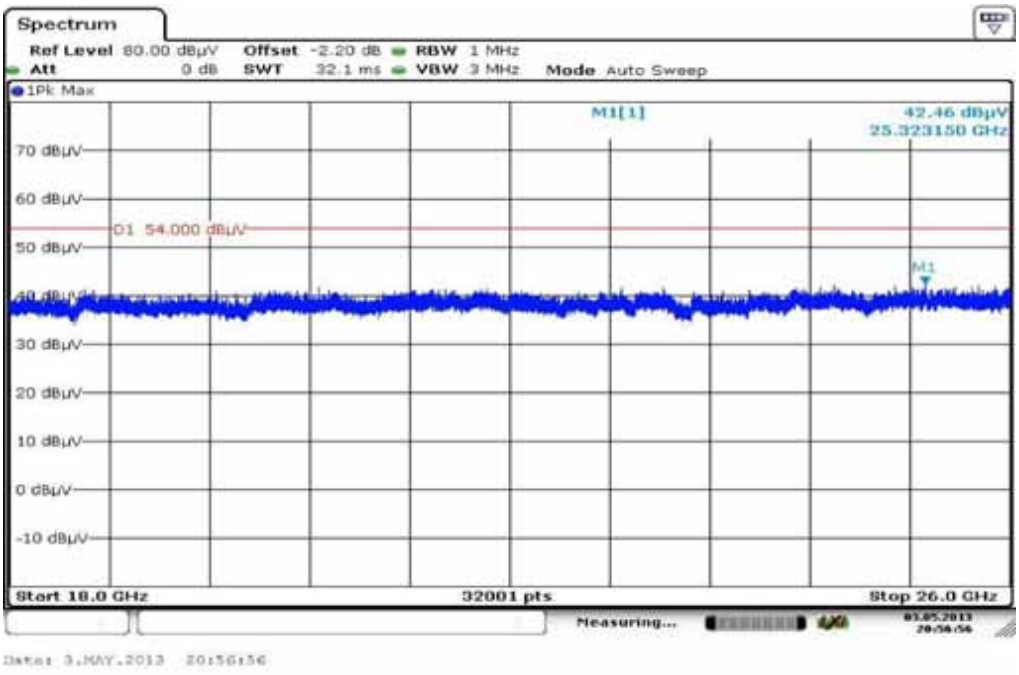


The carrier signal is notched with a 2.4 GHz band rejection filter.

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: DSSS / b – mode (ANT 453564271931)

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

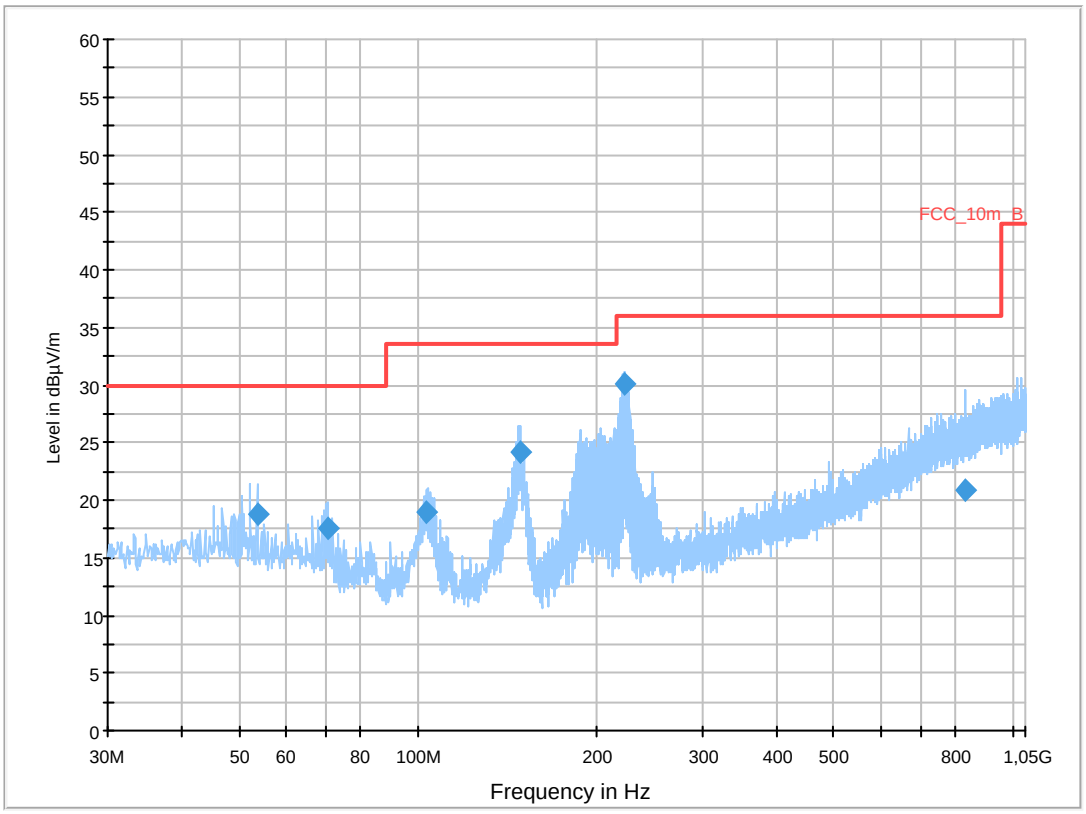
Common Information

EUT:	WLANBV2-A + antenna 453564271931
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)
Receiver:	[ESCI 3]
Level Unit:	dBµV/m

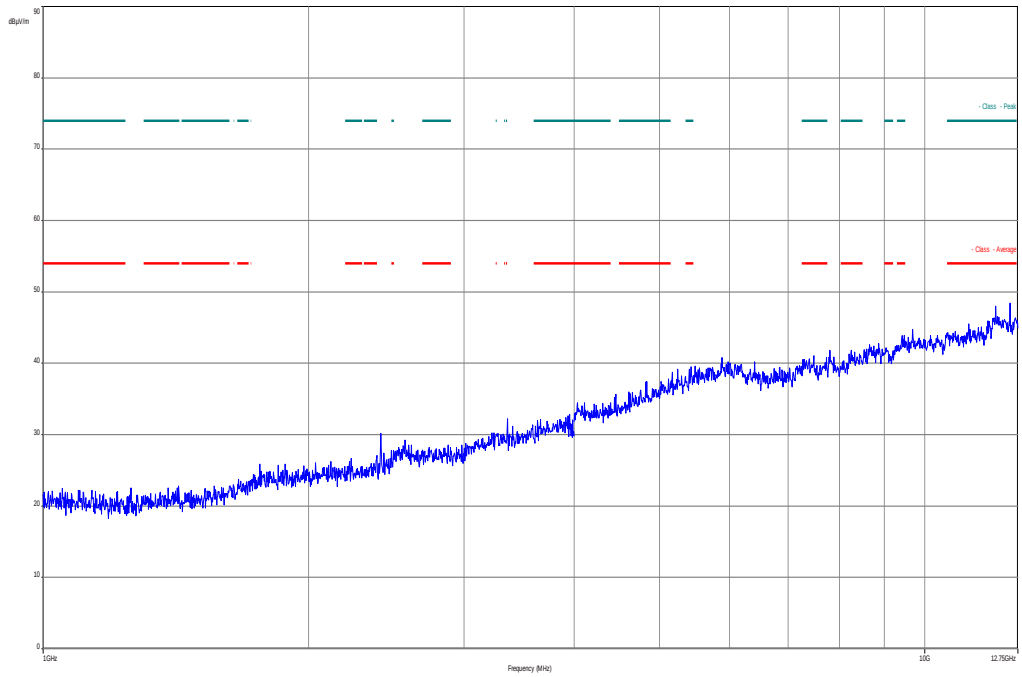
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

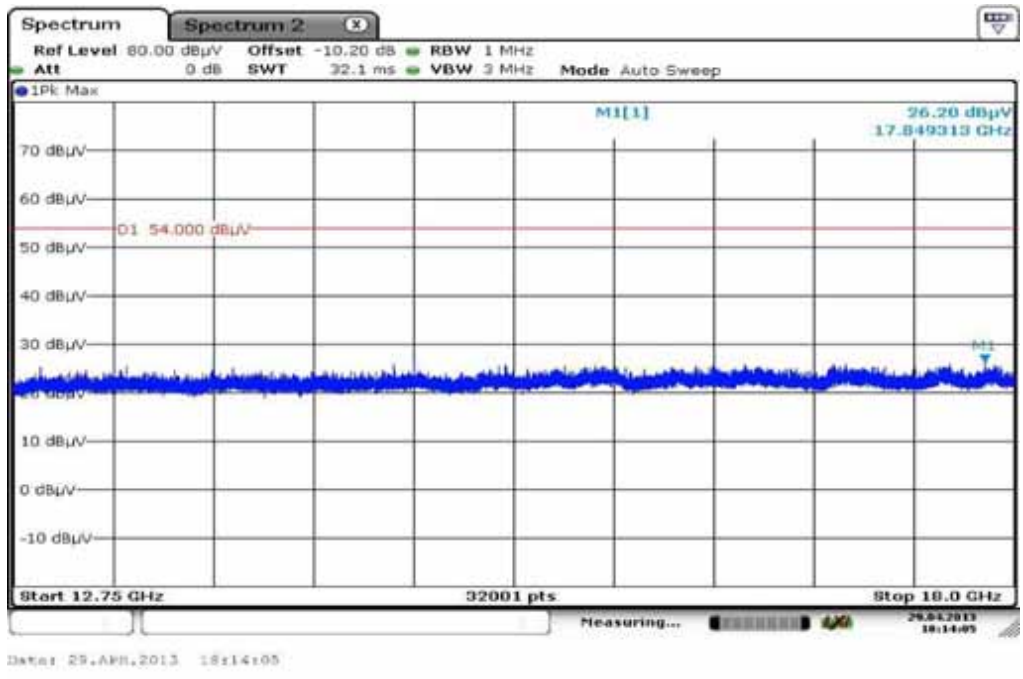
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
53.593200	18.8	1000.0	120.000	105.0	V	88.0	13.0	11.2	30.0	
70.208850	17.6	1000.0	120.000	170.0	V	88.0	9.3	12.4	30.0	
103.428000	19.0	1000.0	120.000	104.0	V	-2.0	11.6	14.5	33.5	
148.701750	24.1	1000.0	120.000	98.0	V	80.0	8.9	9.4	33.5	
221.885100	30.1	1000.0	120.000	170.0	V	268.0	12.4	5.9	36.0	
832.850850	20.9	1000.0	120.000	144.0	V	100.0	24.3	15.1	36.0	

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

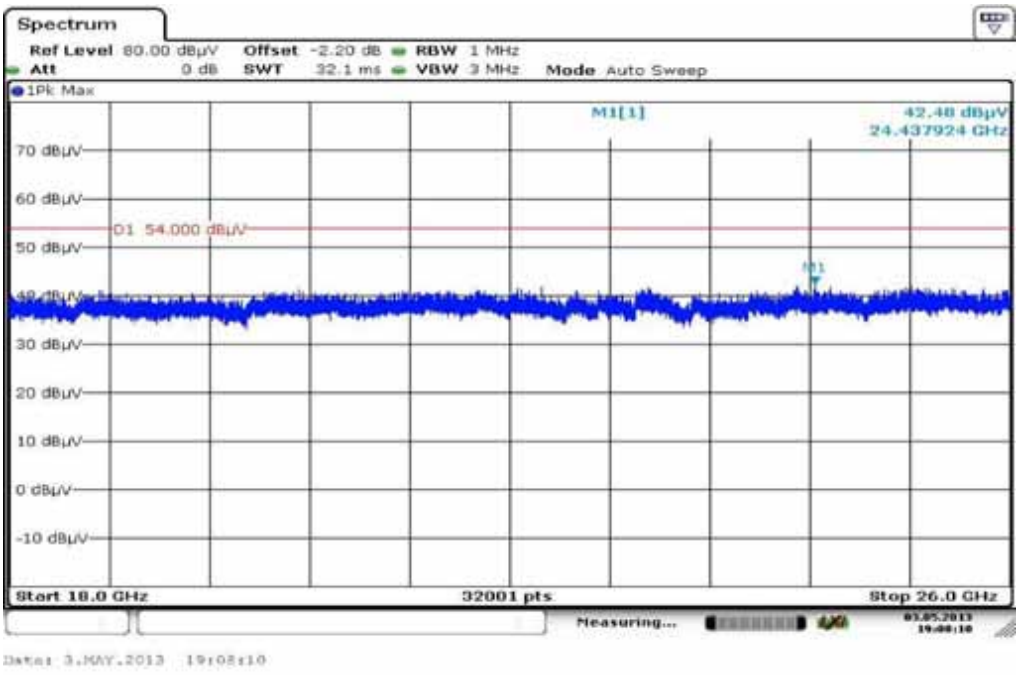


The carrier signal is notched with a 2.4 GHz band rejection filter.

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



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



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

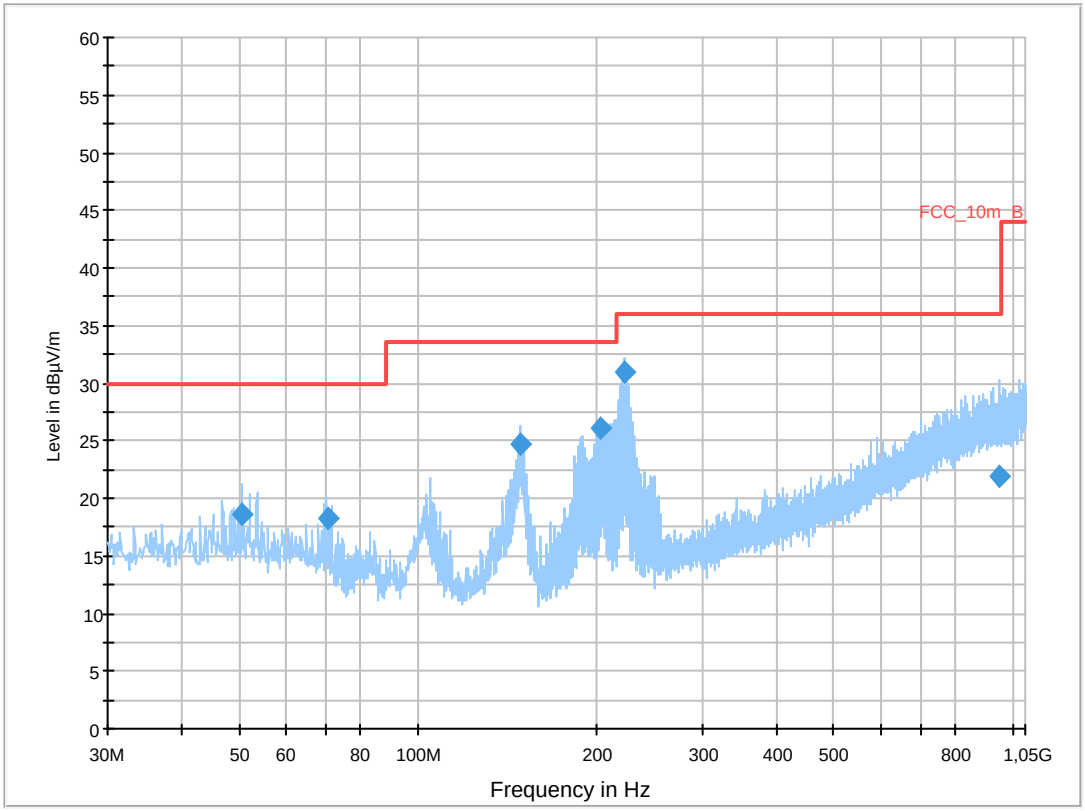
Common Information

EUT:	WLANBV2-A + antenna 453564271931
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

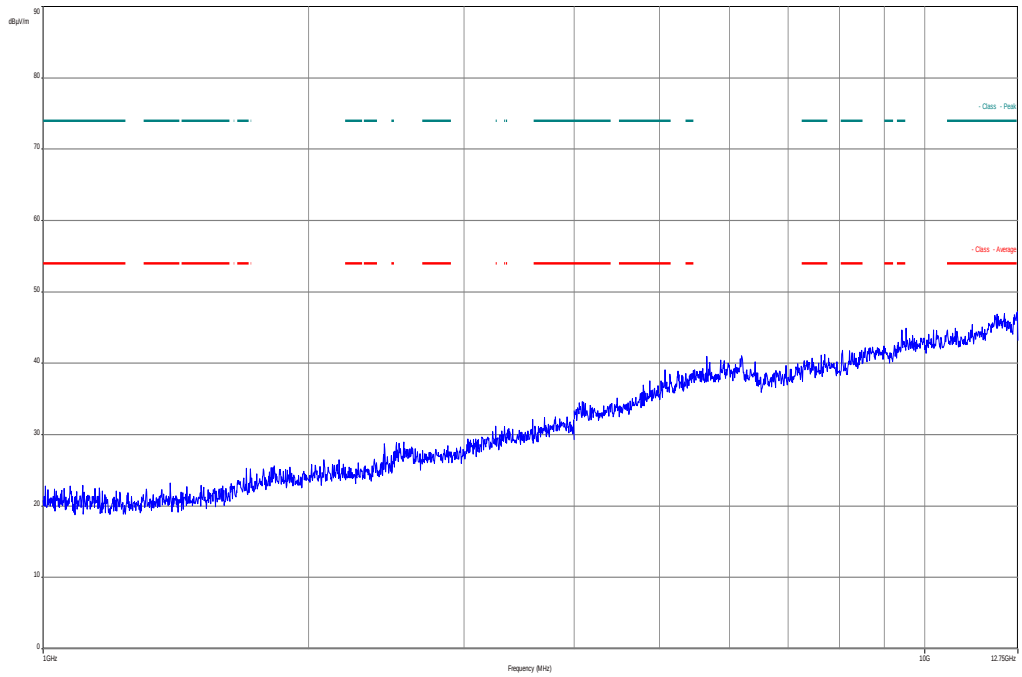
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

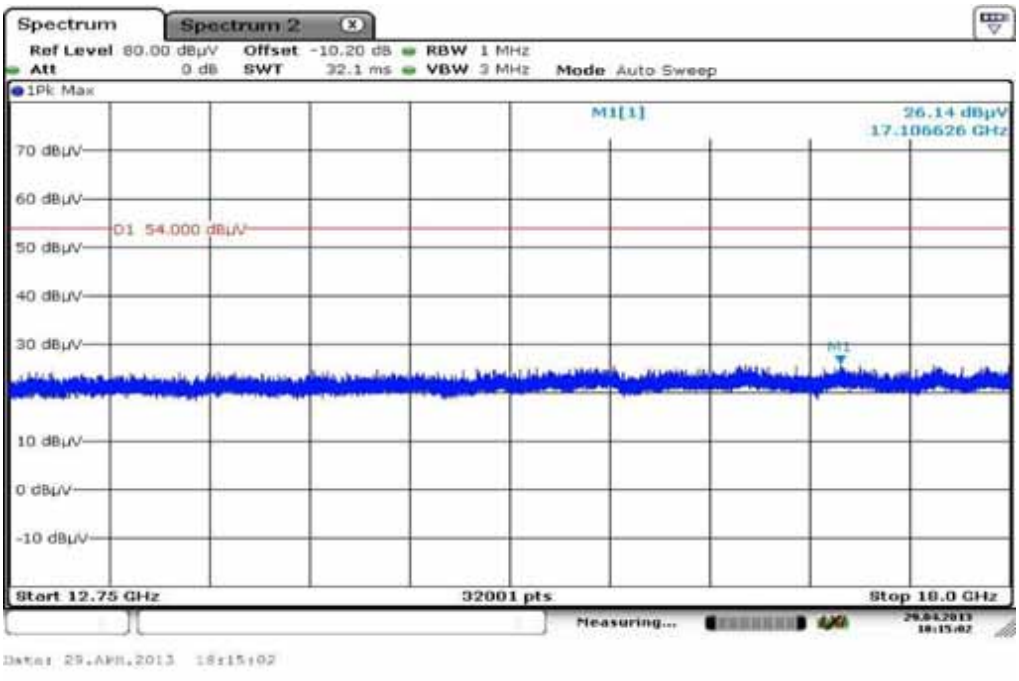
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
50.532150	18.7	1000.0	120.000	98.0	V	10.0	13.3	11.3	30.0	
70.193850	18.3	1000.0	120.000	170.0	V	-10.0	9.3	11.7	30.0	
148.639500	24.7	1000.0	120.000	98.0	V	190.0	8.9	8.8	33.5	
202.250700	26.1	1000.0	120.000	170.0	V	-2.0	11.8	7.4	33.5	
221.859300	30.9	1000.0	120.000	170.0	V	280.0	12.4	5.1	36.0	
948.529050	21.9	1000.0	120.000	170.0	V	178.0	25.3	14.1	36.0	

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

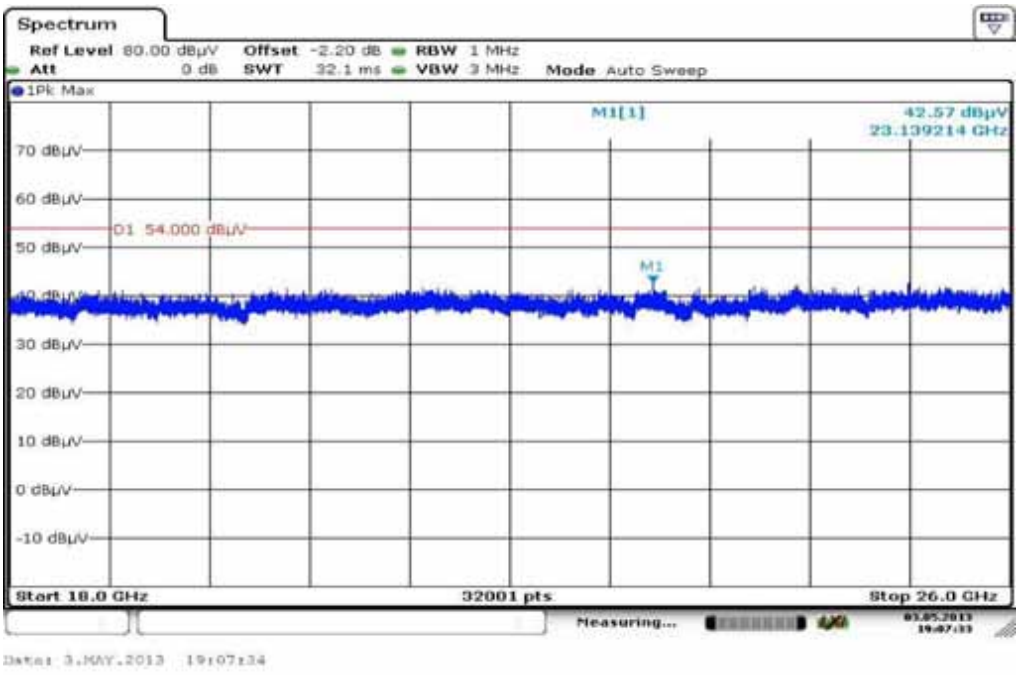


The carrier signal is notched with a 2.4 GHz band rejection filter.

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

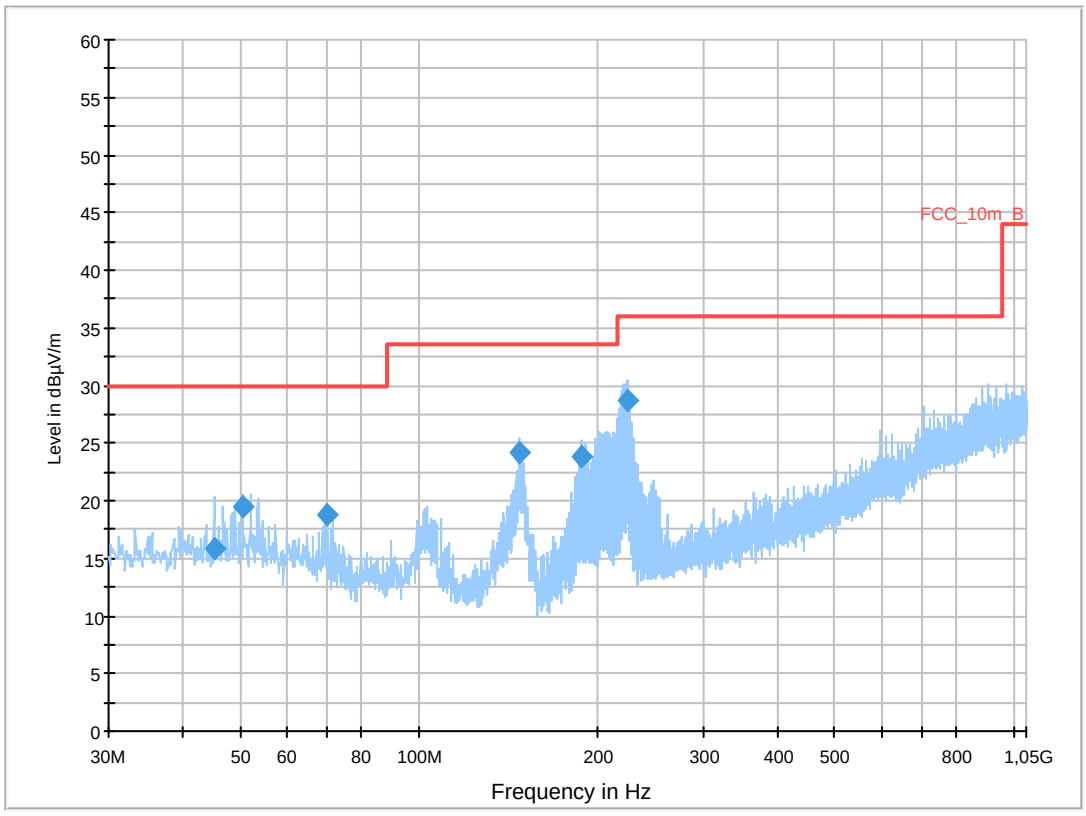
Common Information

EUT:	WLANBV2-A + antenna 453564271931
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

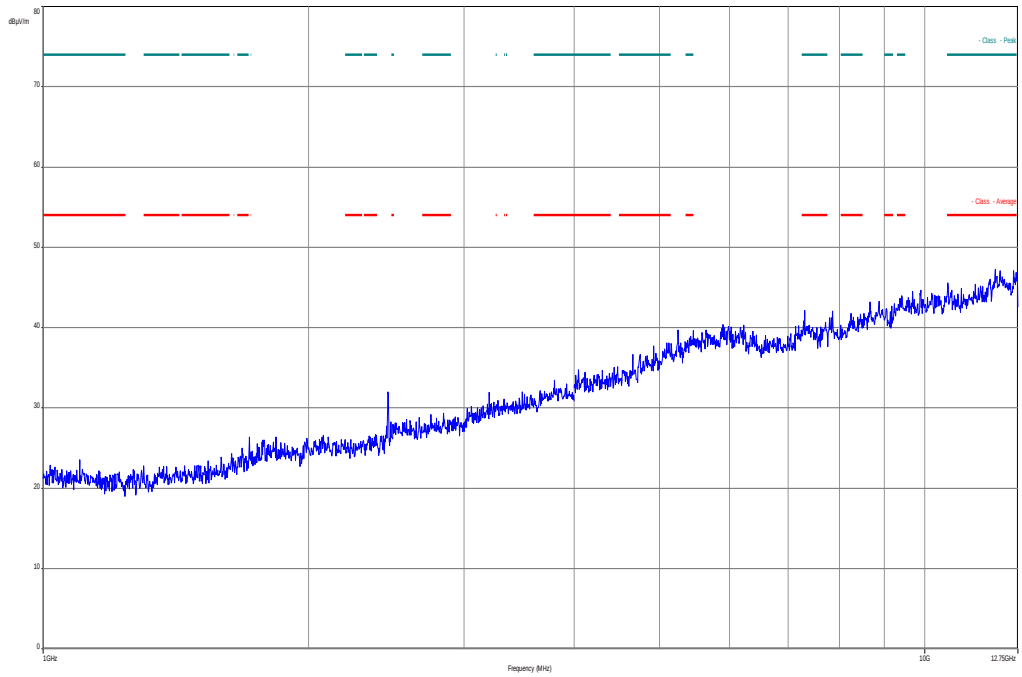
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

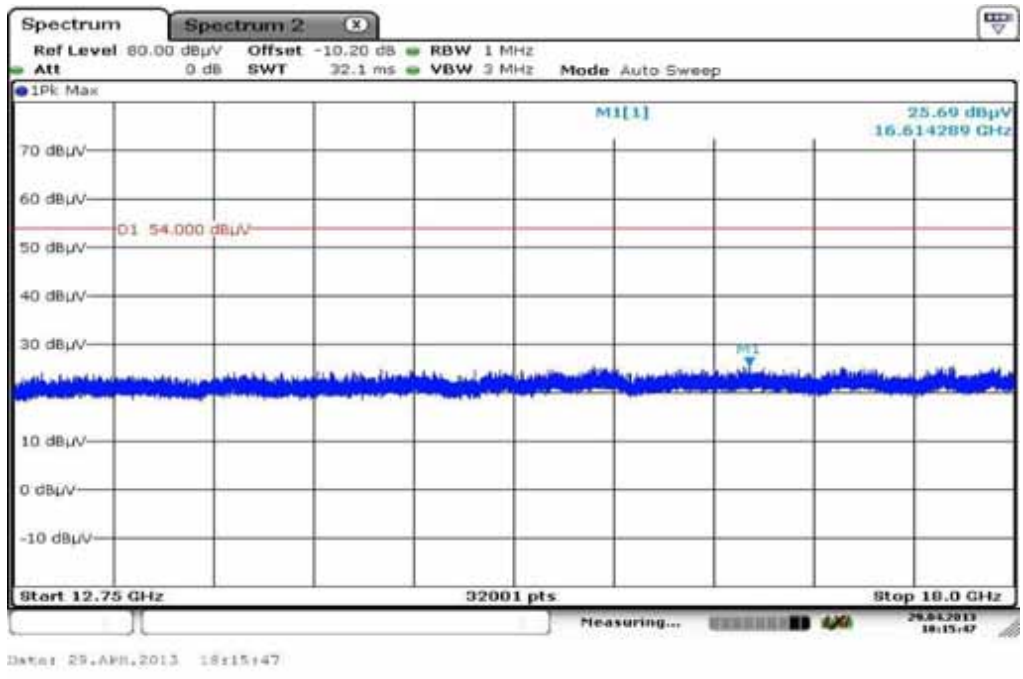
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
45.269850	15.9	1000.0	120.000	161.0	V	0.0	13.3	14.1	30.0	
50.556750	19.5	1000.0	120.000	98.0	V	-10.0	13.3	10.5	30.0	
70.154850	18.7	1000.0	120.000	170.0	V	-2.0	9.3	11.3	30.0	
147.165750	24.2	1000.0	120.000	98.0	V	10.0	8.9	9.3	33.5	
187.896600	23.8	1000.0	120.000	170.0	V	-10.0	10.9	9.7	33.5	
223.400400	28.7	1000.0	120.000	170.0	V	190.0	12.5	7.3	36.0	

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

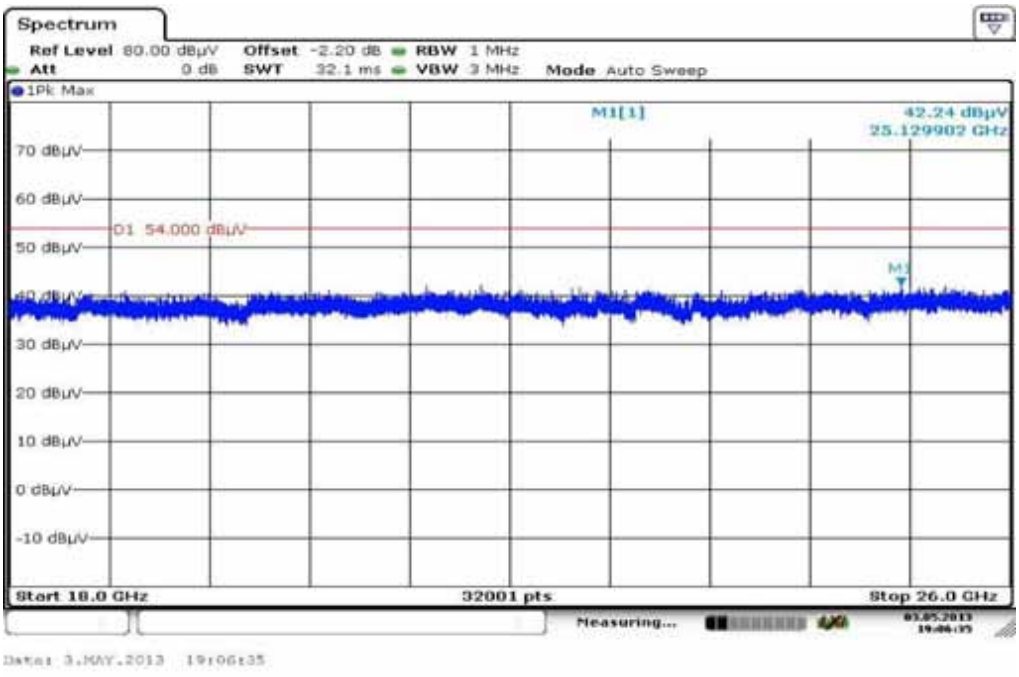


The carrier signal is notched with a 2.4 GHz band rejection filter.

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 / g – mode (ANT 453564271931)

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

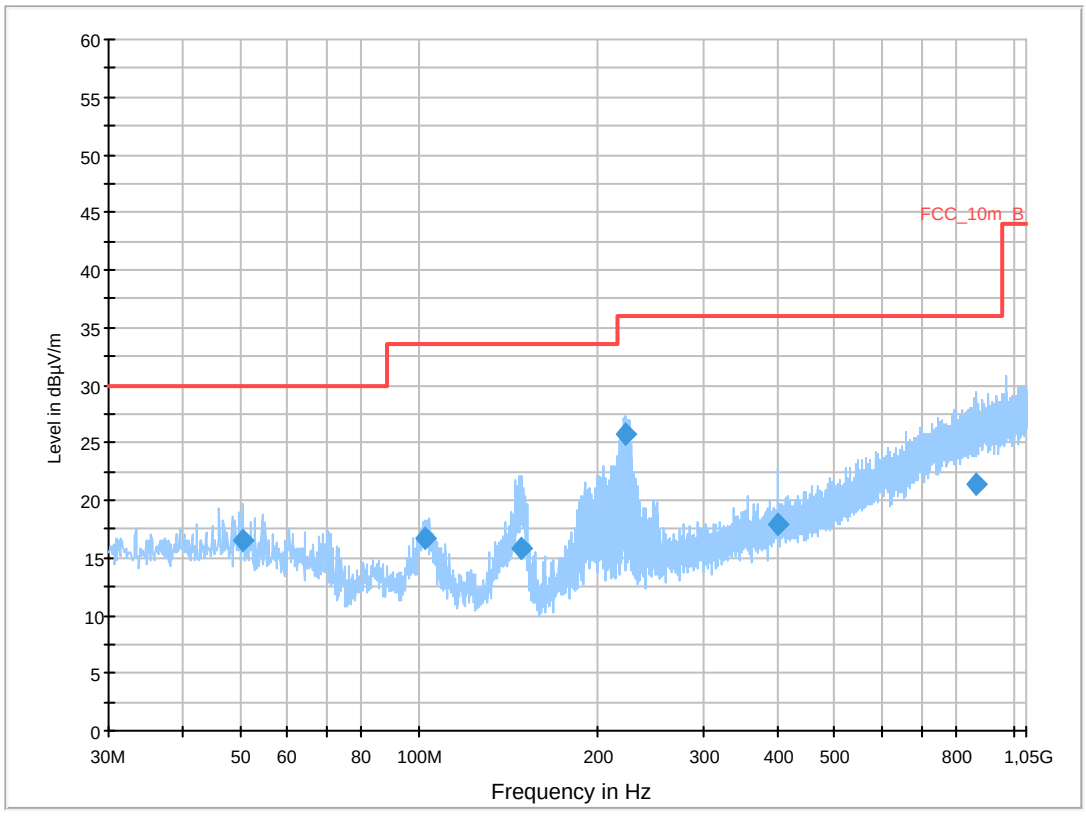
Common Information

EUT:	WLANBV2-A + antenna 453564271931
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

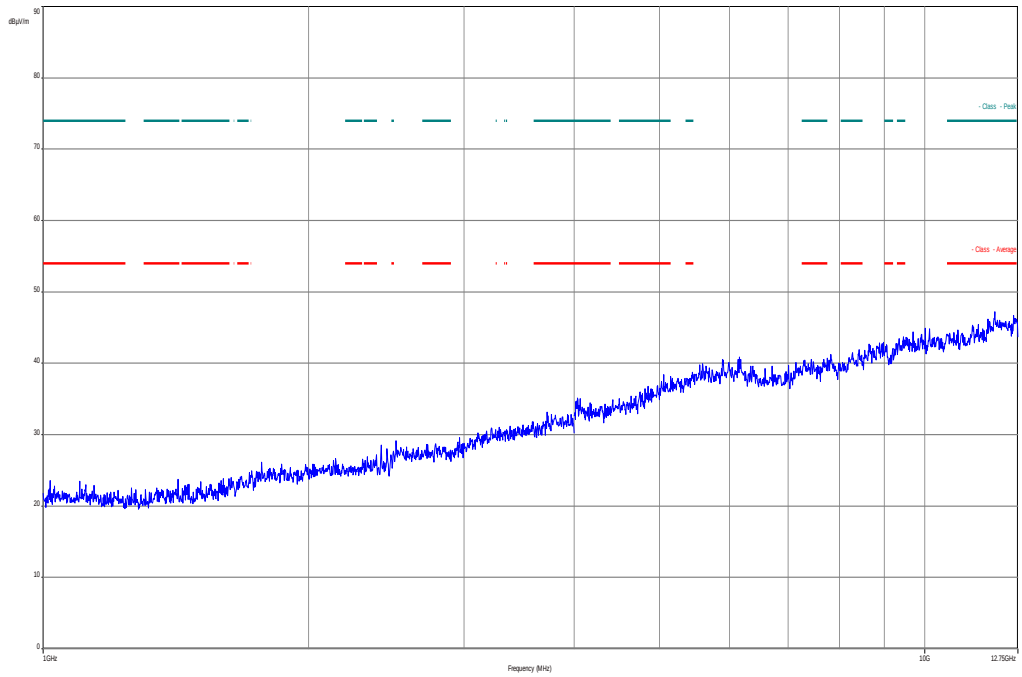
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

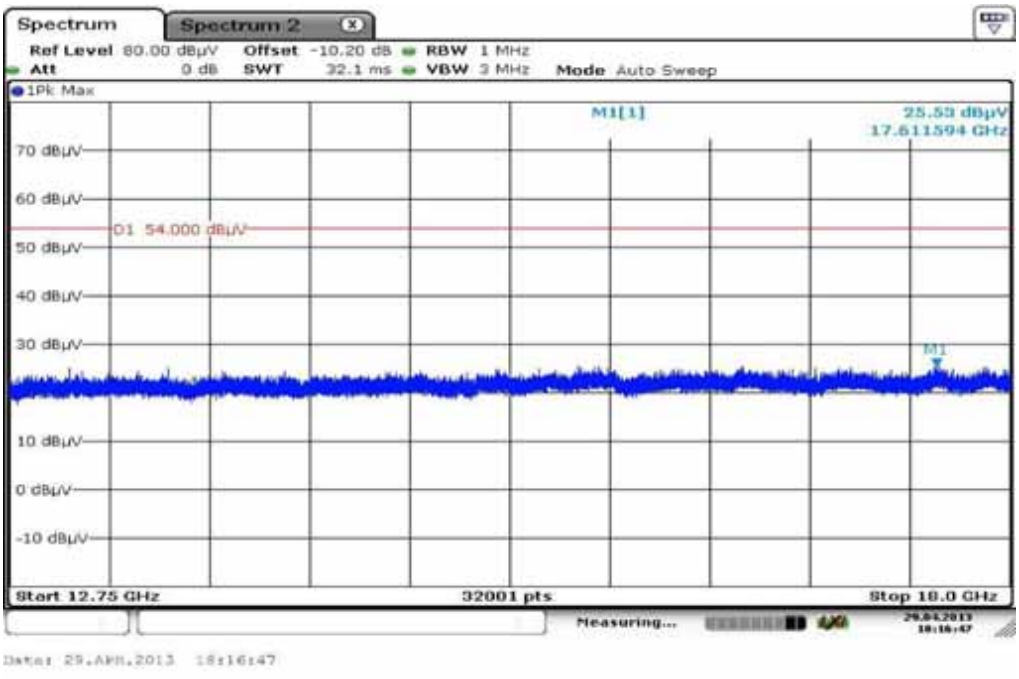
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
50.637750	16.5	1000.0	120.000	155.0	V	261.0	13.3	13.5	30.0	
102.029400	16.6	1000.0	120.000	111.0	V	280.0	11.7	16.9	33.5	
148.829100	15.8	1000.0	120.000	170.0	V	88.0	8.9	17.7	33.5	
222.208050	25.7	1000.0	120.000	98.0	V	268.0	12.5	10.3	36.0	
399.977700	18.0	1000.0	120.000	163.0	H	10.0	16.9	18.0	36.0	
864.988500	21.4	1000.0	120.000	162.0	H	183.0	24.7	14.6	36.0	

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

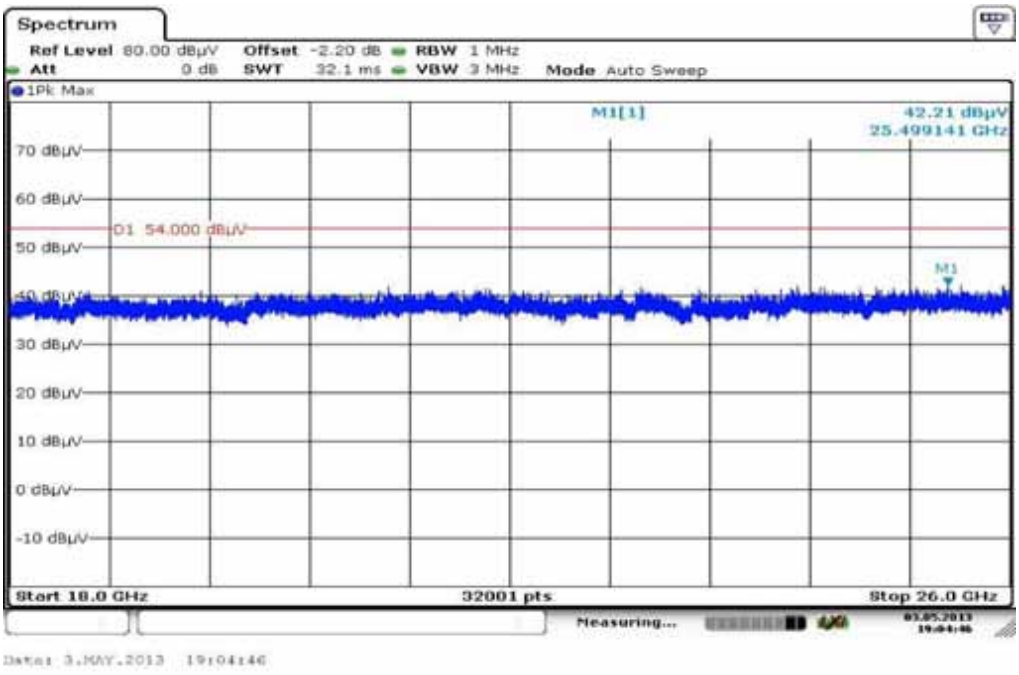


The carrier signal is notched with a 2.4 GHz band rejection filter.

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



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



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

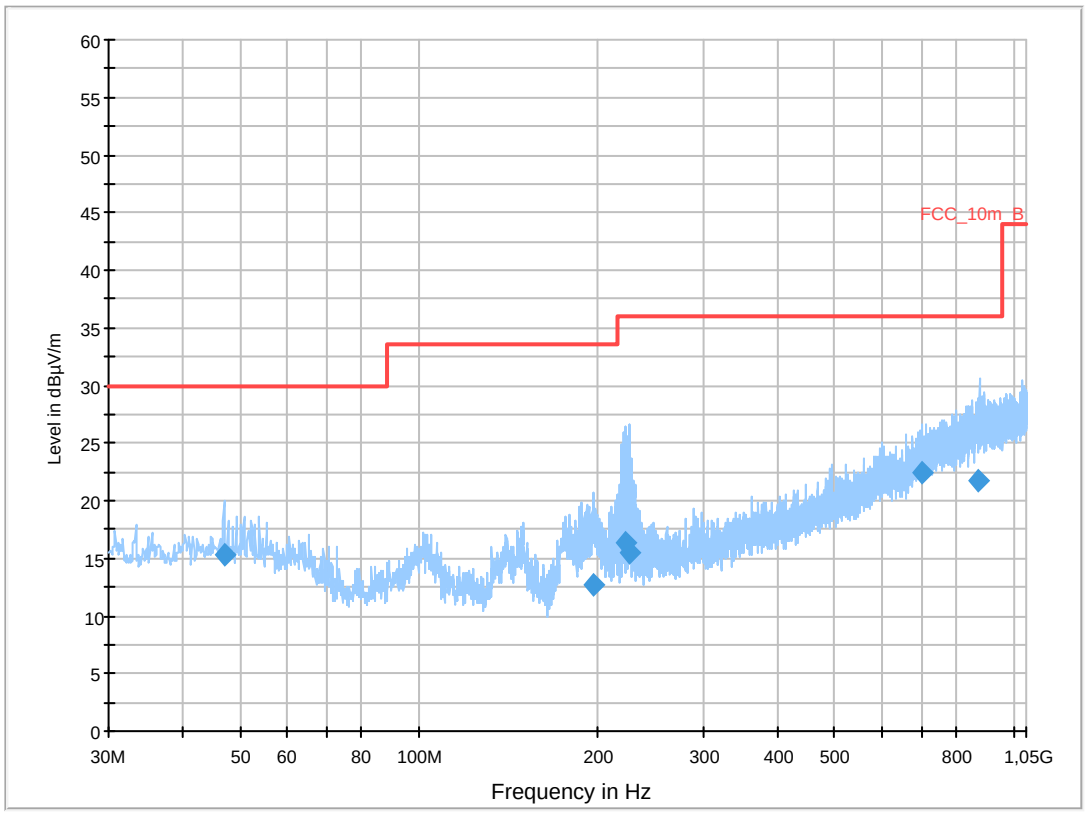
Common Information

EUT:	WLANBV2-A + antenna 453564271931
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan tx 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

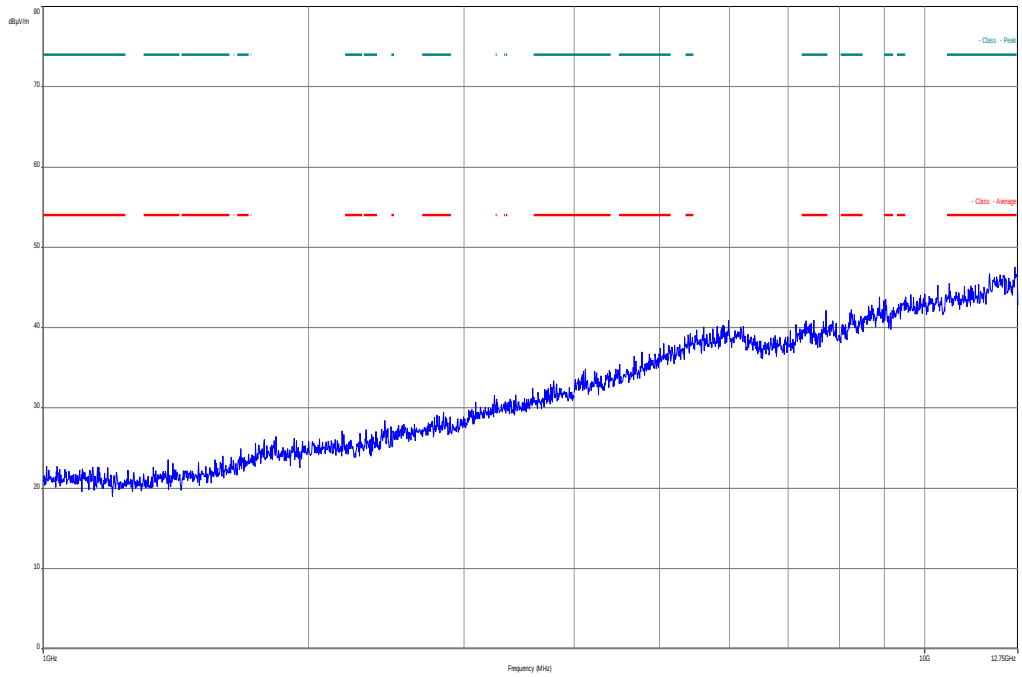
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

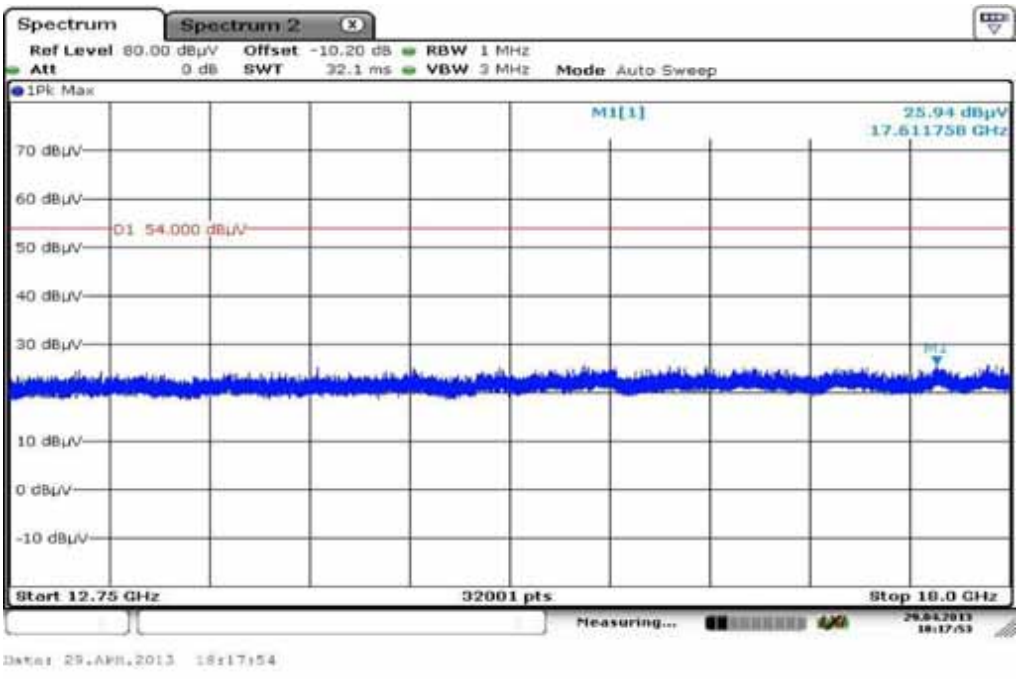
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)	Comment
47.020050	15.3	1000.0	120.000	98.0	V	10.0	13.3	14.7	30.0	
195.928350	12.7	1000.0	120.000	98.0	V	100.0	11.5	20.8	33.5	
222.439500	16.4	1000.0	120.000	152.0	V	2.0	12.5	19.6	36.0	
225.446850	15.5	1000.0	120.000	113.0	V	3.0	12.6	20.5	36.0	
700.029750	22.5	1000.0	120.000	170.0	H	178.0	22.5	13.5	36.0	
874.425300	21.8	1000.0	120.000	170.0	V	170.0	24.9	14.2	36.0	

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

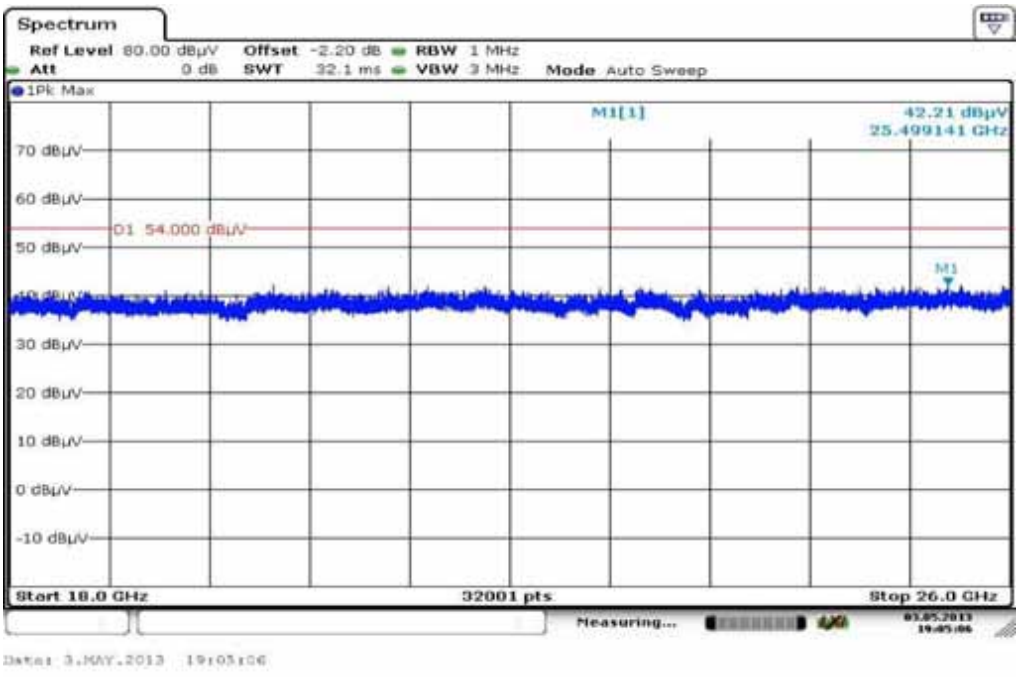


The carrier signal is notched with a 2.4 GHz band rejection filter.

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



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



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

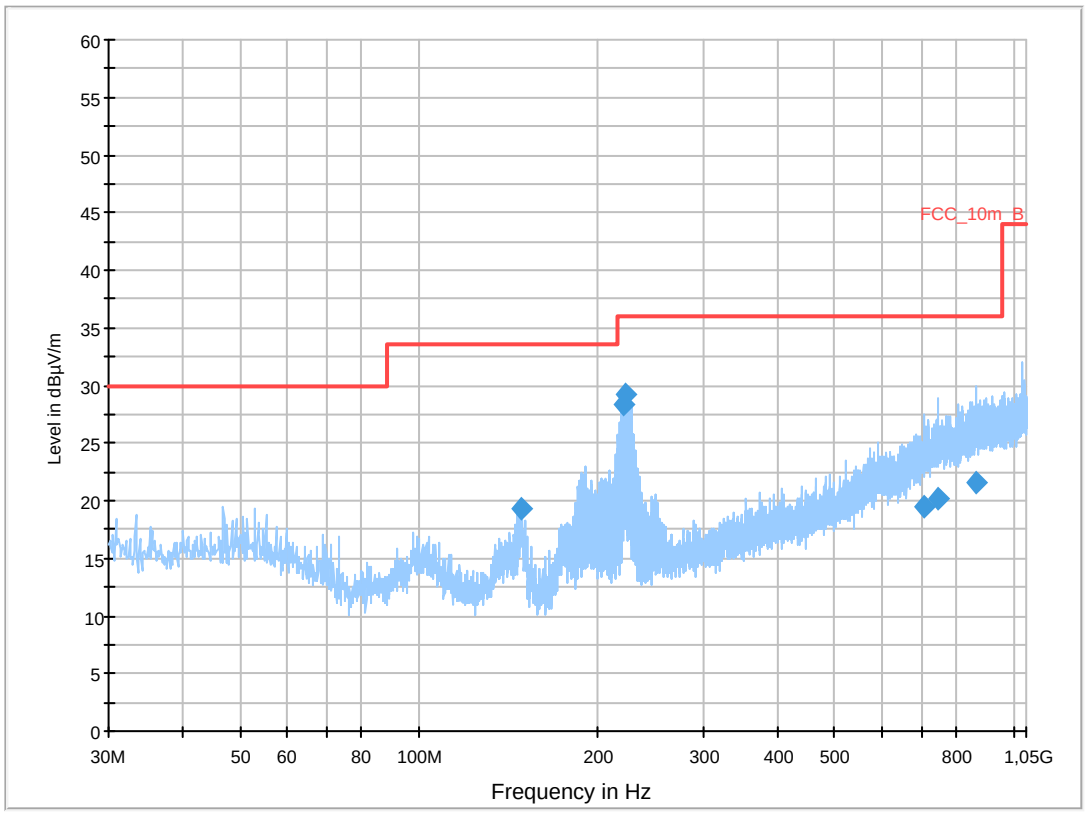
Common Information

EUT:	WLANBV2-A + antenna 453564271931
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan tx 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

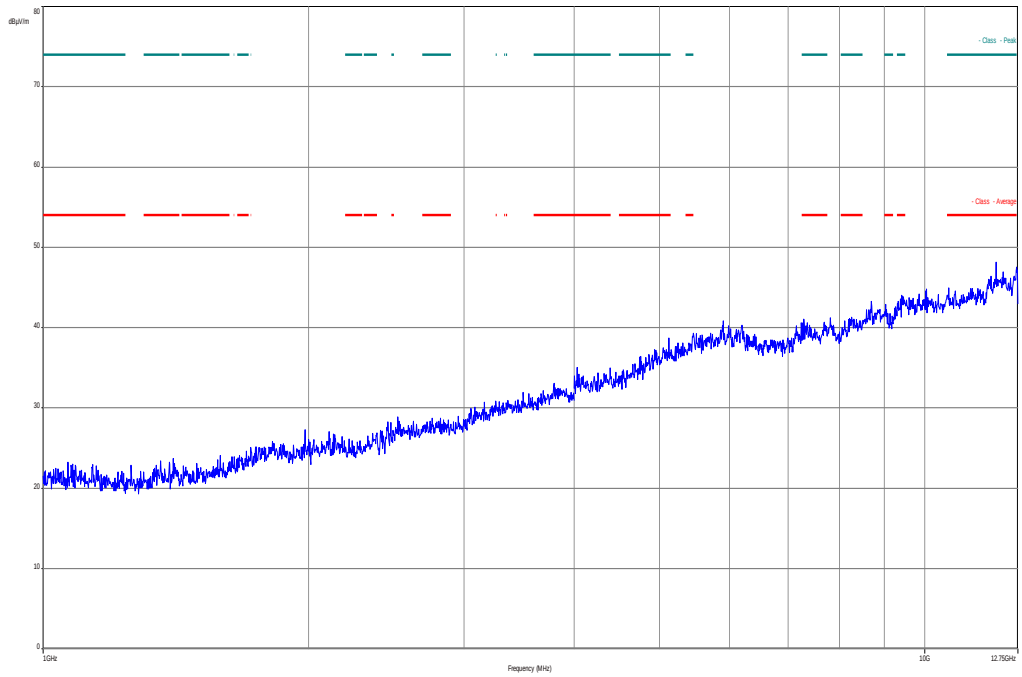
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

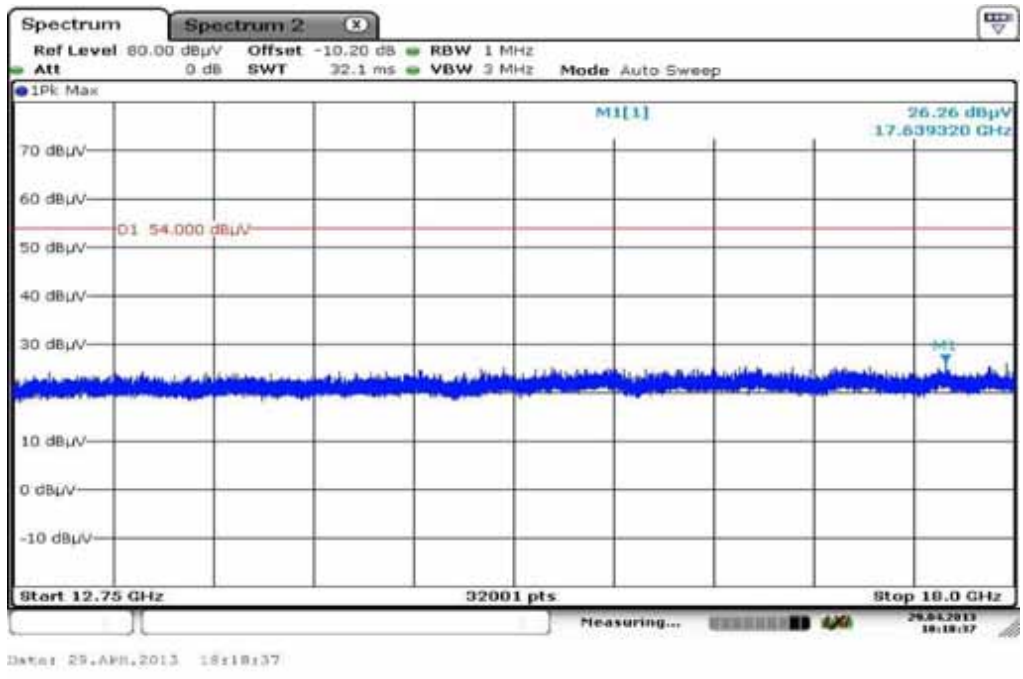
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)	Comment
148.227750	19.3	1000.0	120.000	105.0	V	-9.0	8.9	14.2	33.5	
220.021050	28.4	1000.0	120.000	133.0	V	0.0	12.4	7.6	36.0	
222.323850	29.3	1000.0	120.000	104.0	V	10.0	12.5	6.7	36.0	
706.208100	19.4	1000.0	120.000	104.0	V	190.0	22.6	16.6	36.0	
747.230700	20.2	1000.0	120.000	170.0	H	81.0	23.6	15.8	36.0	
862.225500	21.5	1000.0	120.000	170.0	V	-10.0	24.7	14.5	36.0	

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

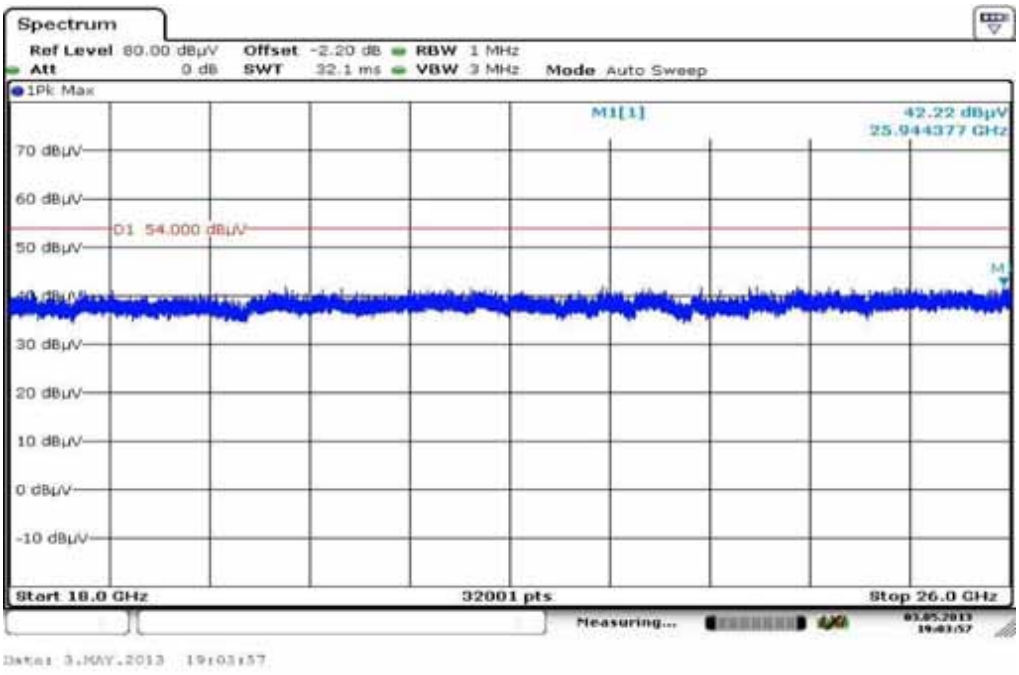


The carrier signal is notched with a 2.4 GHz band rejection filter.

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 HT20 (ANT 453564271931)

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

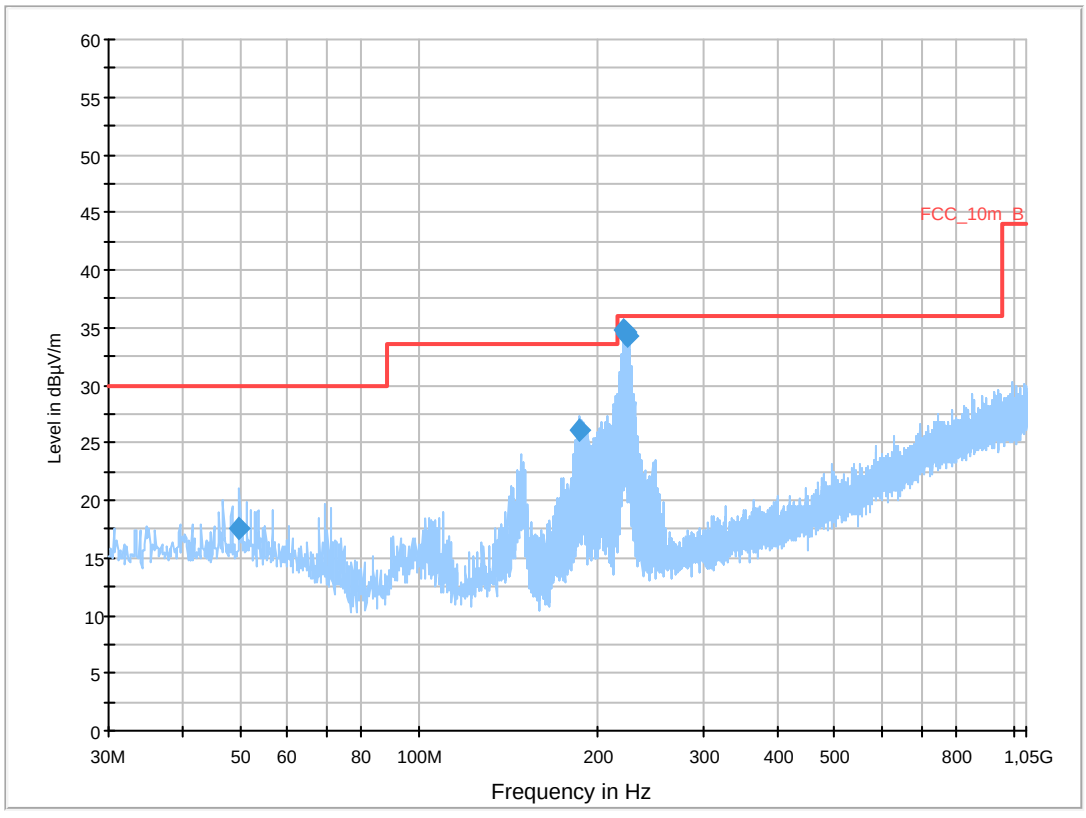
Common Information

EUT:	WLANBV2-A + antenna 453564271931
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:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

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

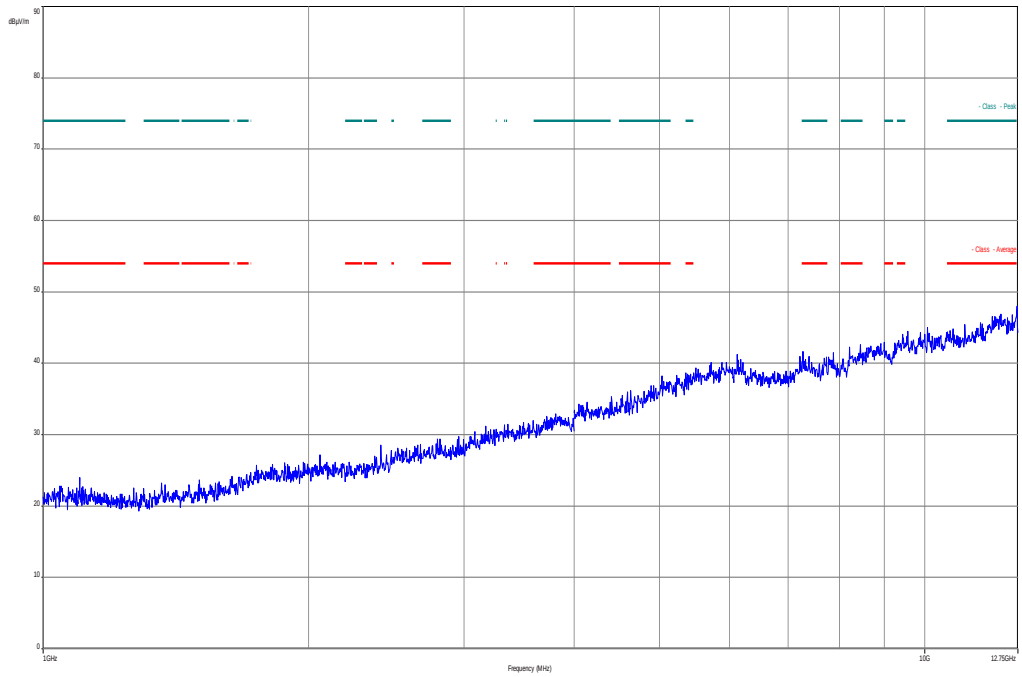
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

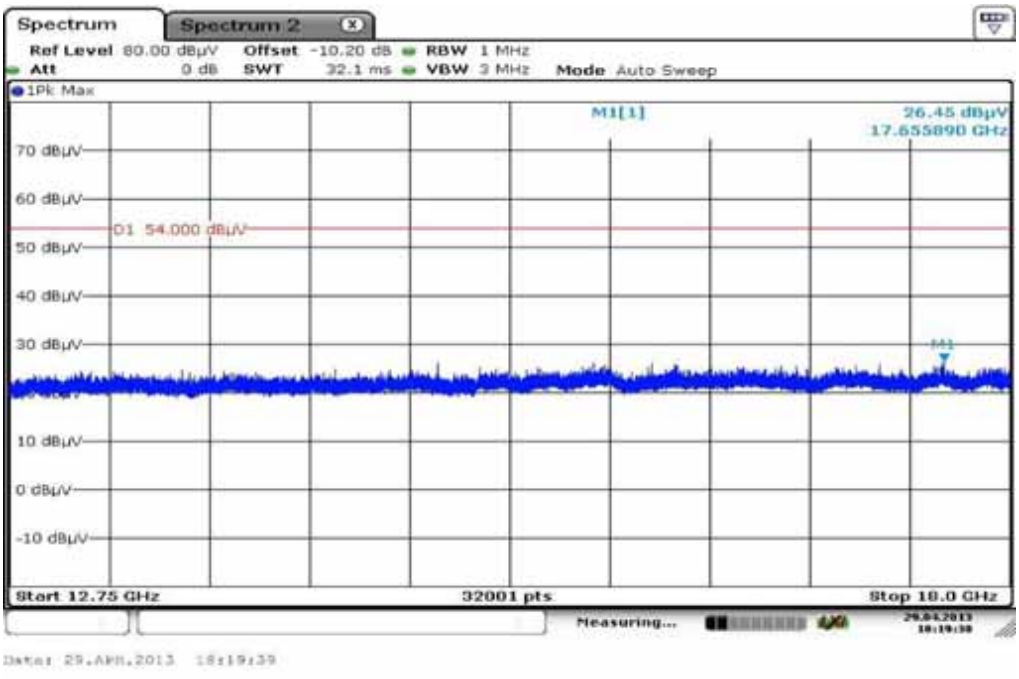
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)	Comment
49.813350	17.5	1000.0	120.000	170.0	V	268.0	13.4	12.5	30.0	
185.671050	26.1	1000.0	120.000	98.0	V	81.0	10.8	7.4	33.5	
221.123100	34.7	1000.0	120.000	105.0	V	0.0	12.4	1.3	36.0	
221.884800	34.6	1000.0	120.000	170.0	V	80.0	12.4	1.4	36.0	
222.614250	34.4	1000.0	120.000	112.0	V	81.0	12.5	1.6	36.0	
223.420800	34.2	1000.0	120.000	162.0	V	-5.0	12.5	1.8	36.0	

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

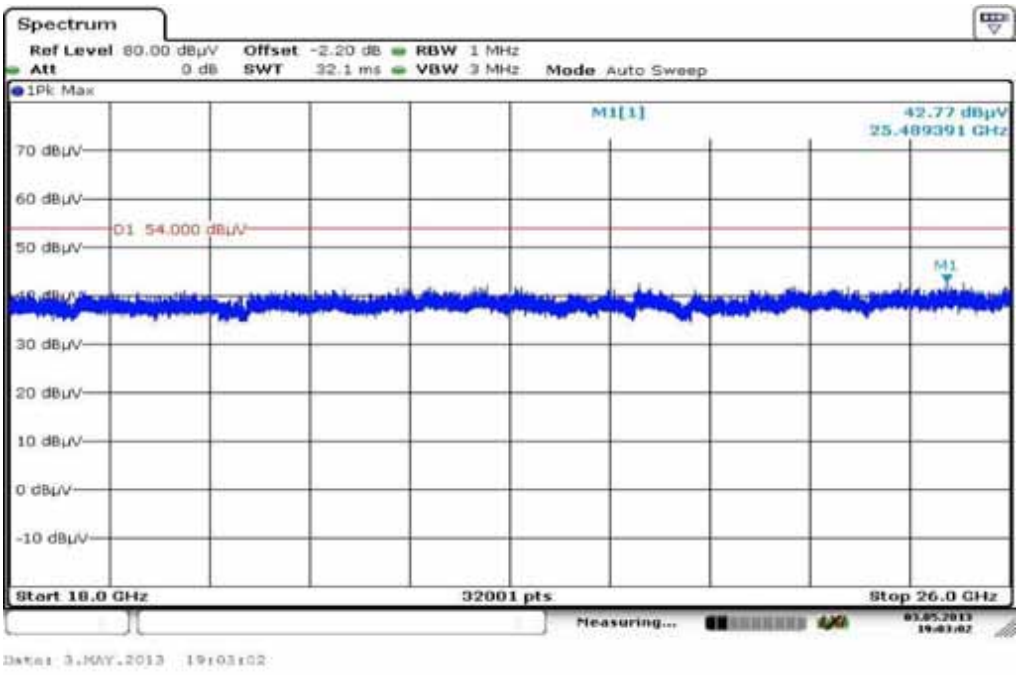


The carrier signal is notched with a 2.4 GHz band rejection filter.

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



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



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

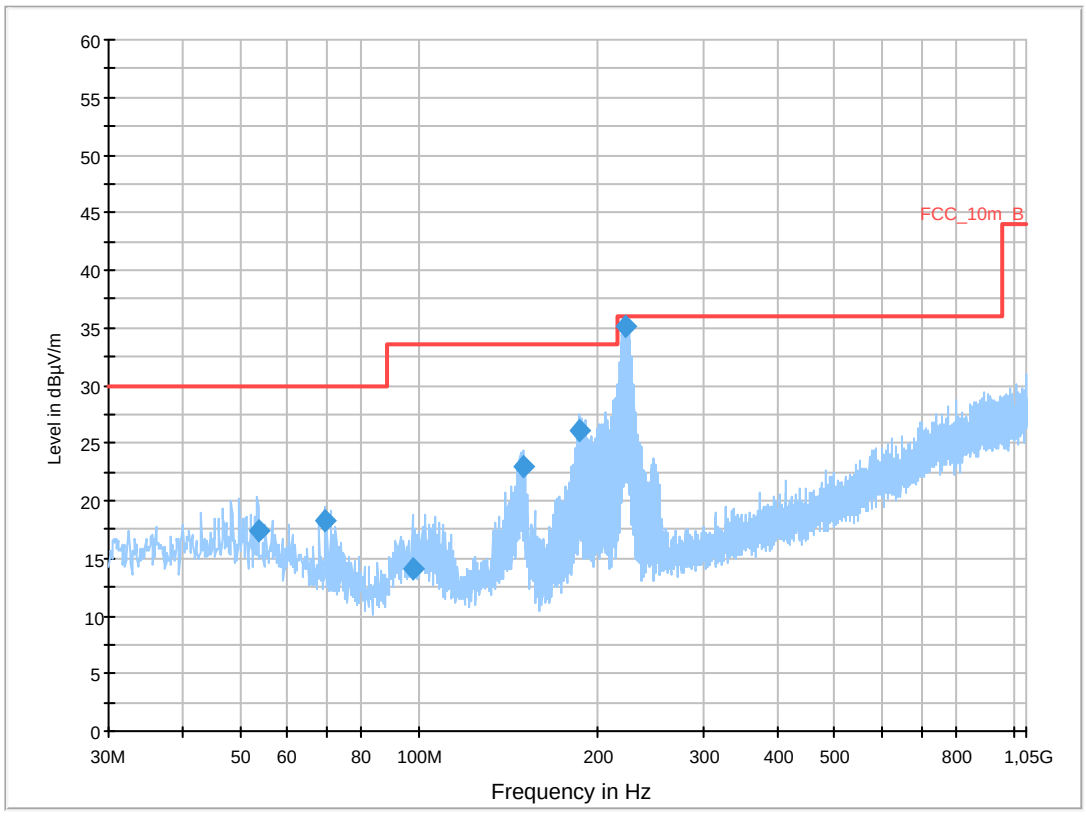
Common Information

EUT:	WLANBV2-A + antenna 453564271931
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:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

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

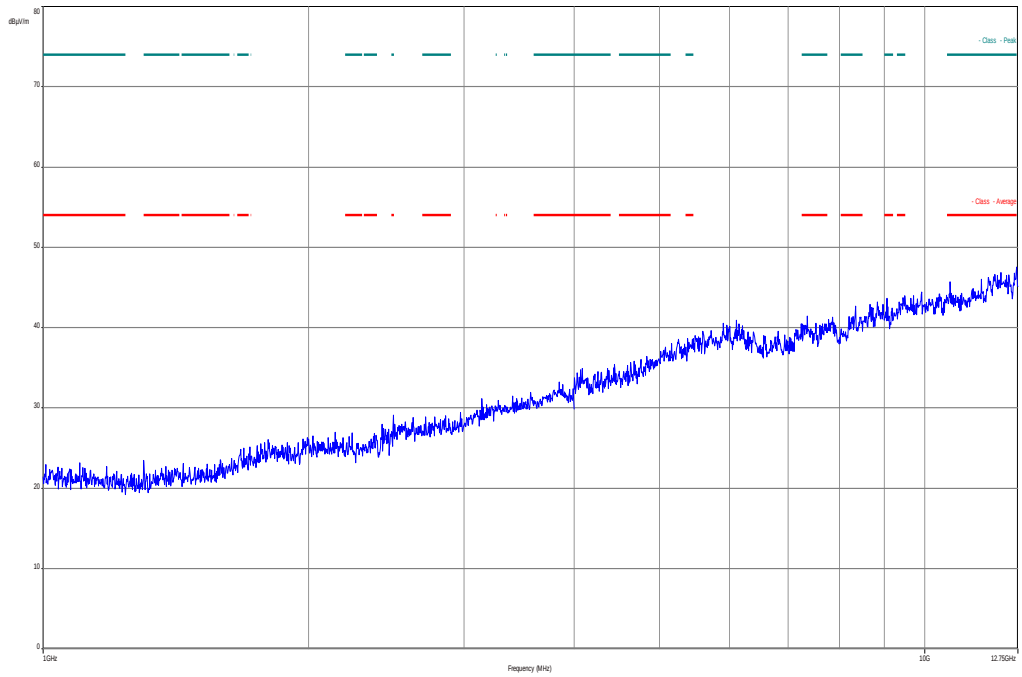
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

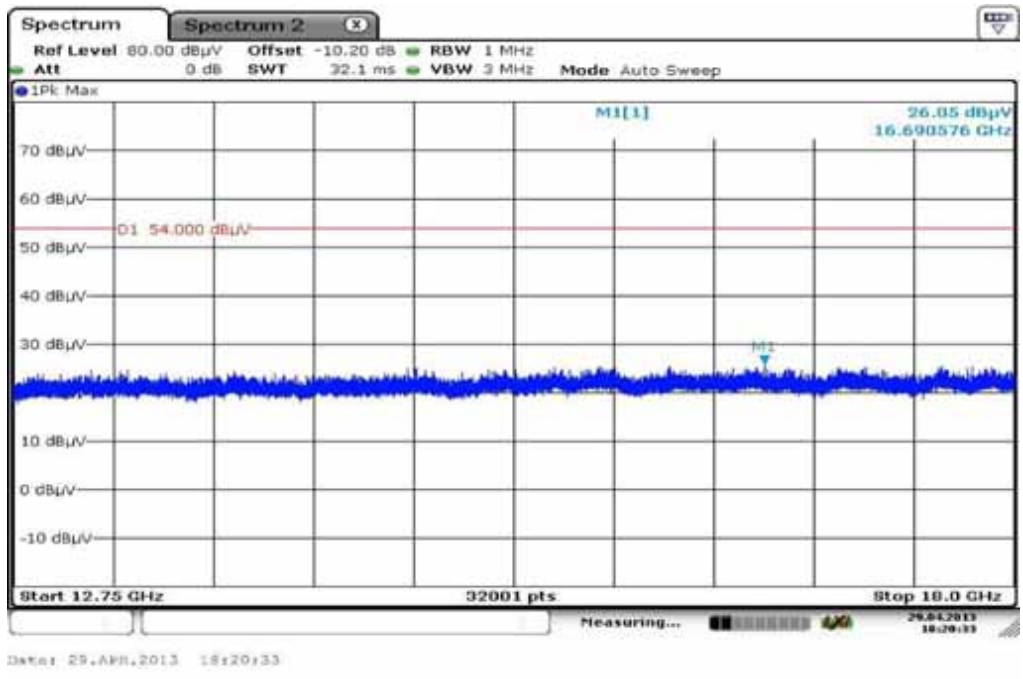
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)	Comment
53.590350	17.3	1000.0	120.000	113.0	V	190.0	13.0	12.7	30.0	
69.437550	18.3	1000.0	120.000	170.0	V	88.0	9.4	11.7	30.0	
97.346700	14.0	1000.0	120.000	98.0	V	190.0	11.6	19.5	33.5	
149.433000	23.0	1000.0	120.000	105.0	V	10.0	8.9	10.6	33.5	
186.376650	26.1	1000.0	120.000	98.0	V	100.0	10.8	7.4	33.5	
222.625500	35.7	1000.0	120.000	98.0	V	-10.0	12.5	0.3	36.0	

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

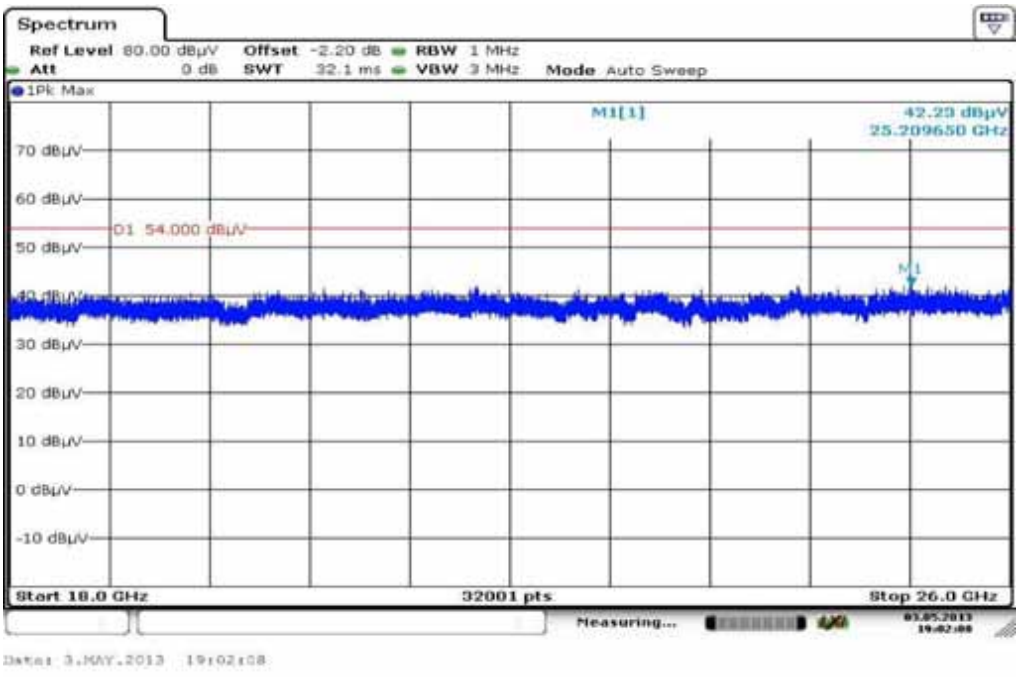


The carrier signal is notched with a 2.4 GHz band rejection filter.

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



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



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

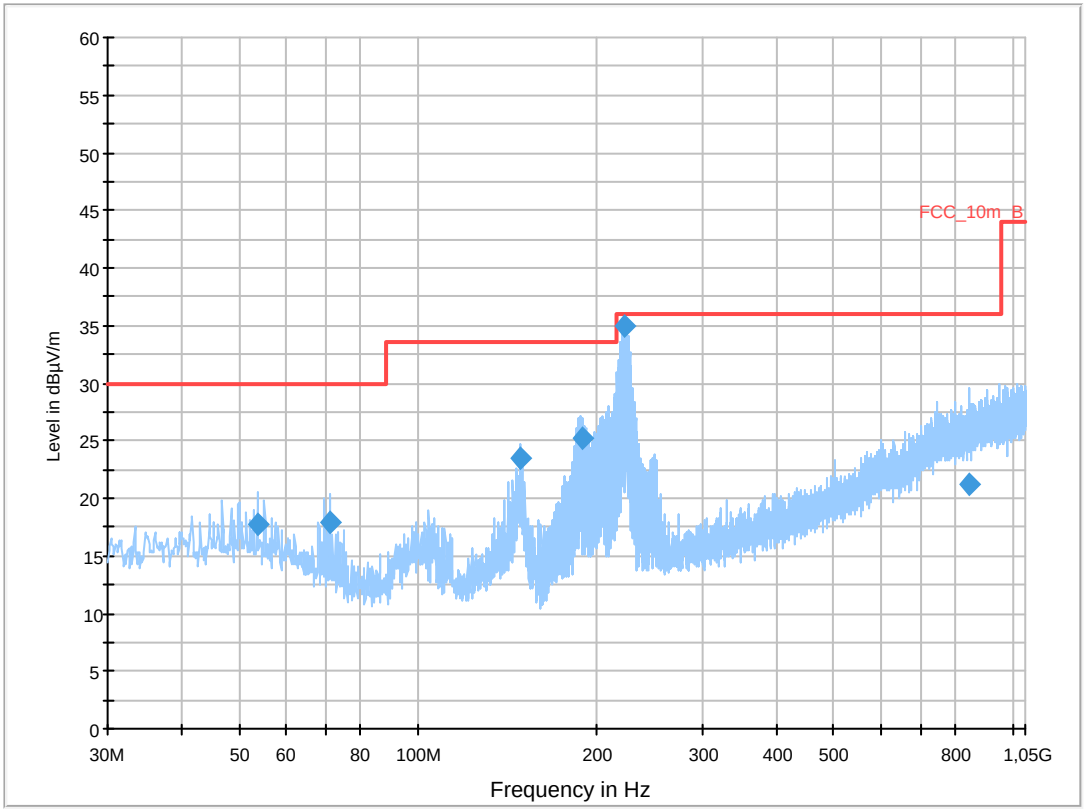
Common Information

EUT:	WLANBV2-A + antenna 453564271931
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

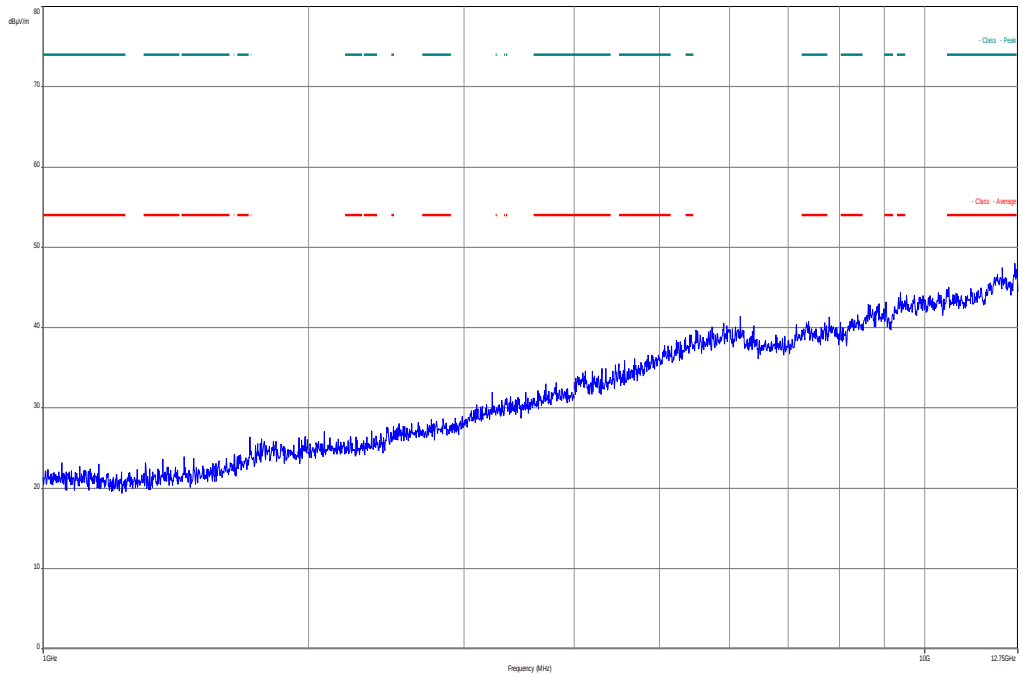
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

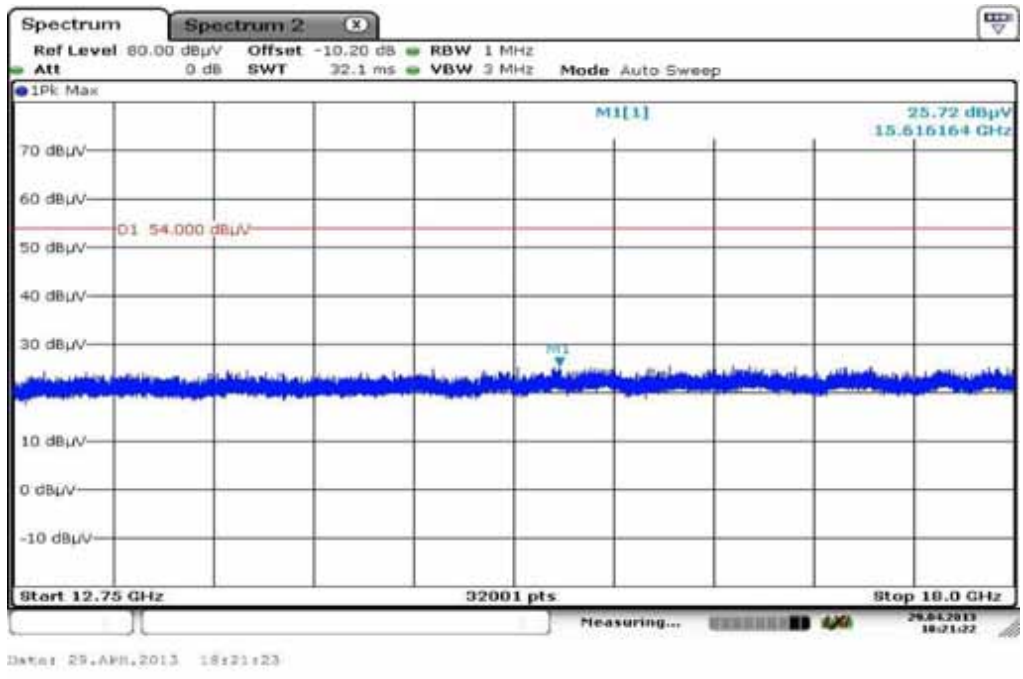
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)	Comment
53.593500	17.8	1000.0	120.000	112.0	V	-5.0	13.0	12.2	30.0	
70.943550	18.0	1000.0	120.000	170.0	V	100.0	9.3	12.0	30.0	
147.935550	23.5	1000.0	120.000	98.0	V	-5.0	8.9	10.0	33.5	
188.697900	25.3	1000.0	120.000	98.0	V	100.0	11.0	8.2	33.5	
222.661500	35.0	1000.0	120.000	170.0	V	0.0	12.5	1.0	36.0	
847.972650	21.3	1000.0	120.000	170.0	V	93.0	24.5	14.7	36.0	

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

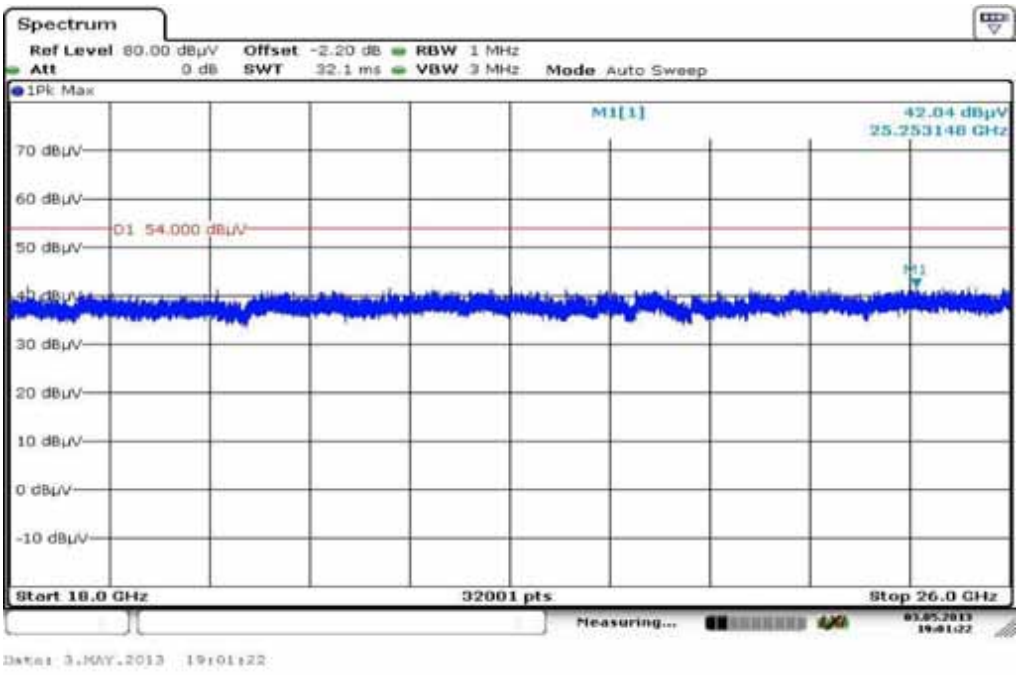


The carrier signal is notched with a 2.4 GHz band rejection filter.

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 453564271931)

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

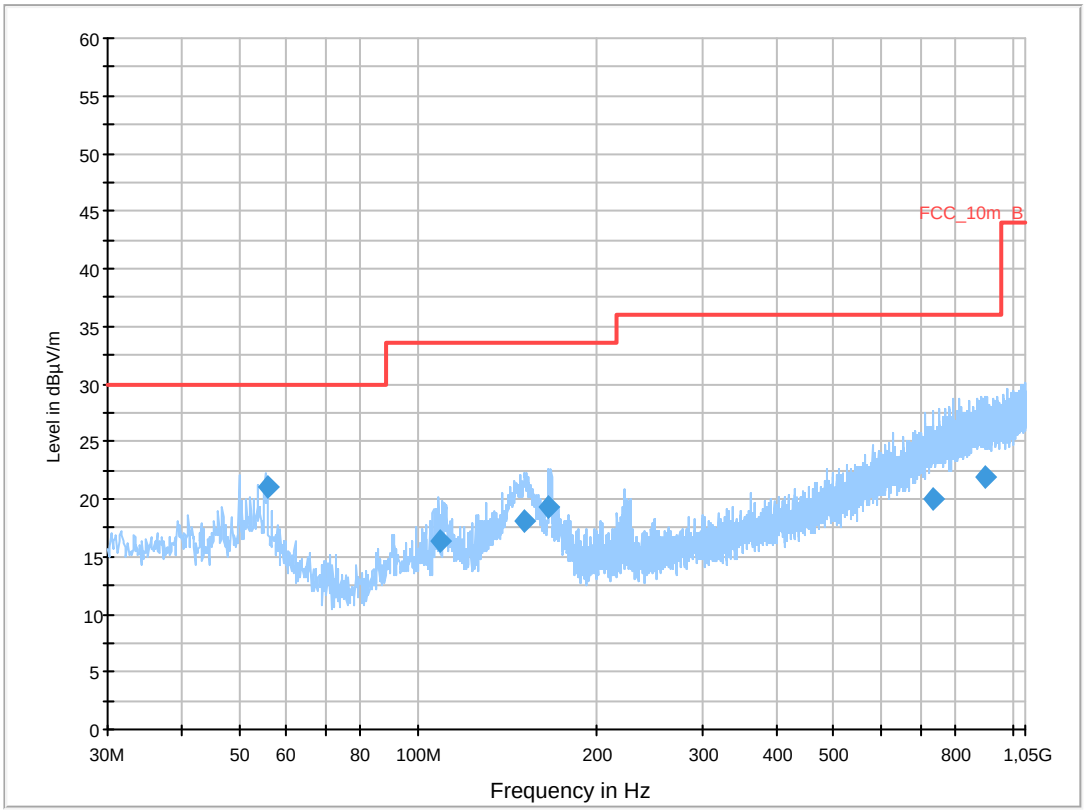
Common Information

EUT:	WLANBV2-A + antenna 453564271931
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan tx n-mode HT40 lowest channel
Operator Name:	Wolsdorfer
Comment:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

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

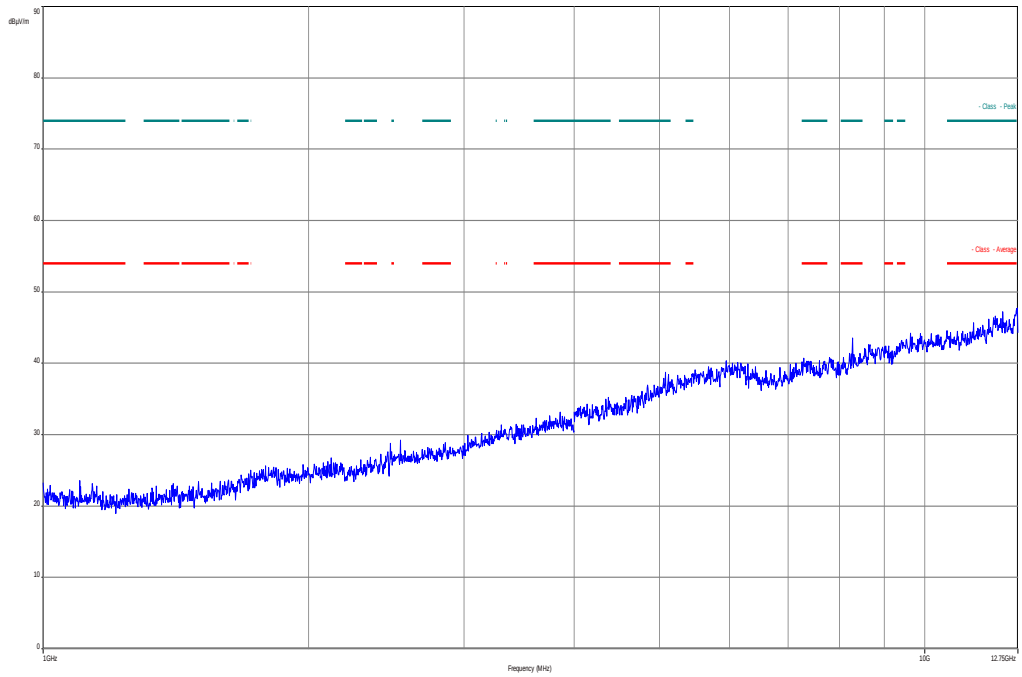
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

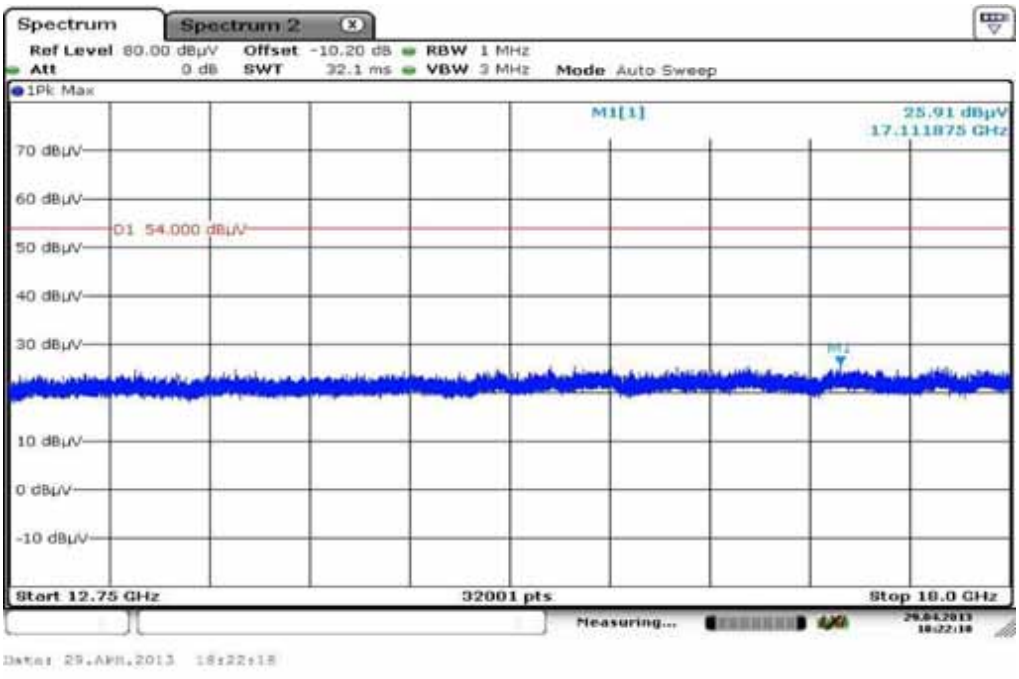
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
55.737450	21.1	1000.0	120.000	170.0	V	90.0	12.7	8.9	30.0	
108.826800	16.3	1000.0	120.000	170.0	V	2.0	11.1	17.2	33.5	
150.605400	18.1	1000.0	120.000	98.0	V	100.0	8.9	15.4	33.5	
165.603750	19.3	1000.0	120.000	98.0	V	-5.0	9.5	14.2	33.5	
732.485400	20.0	1000.0	120.000	170.0	H	190.0	23.3	16.0	36.0	
901.910250	21.9	1000.0	120.000	170.0	V	87.0	25.2	14.1	36.0	

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

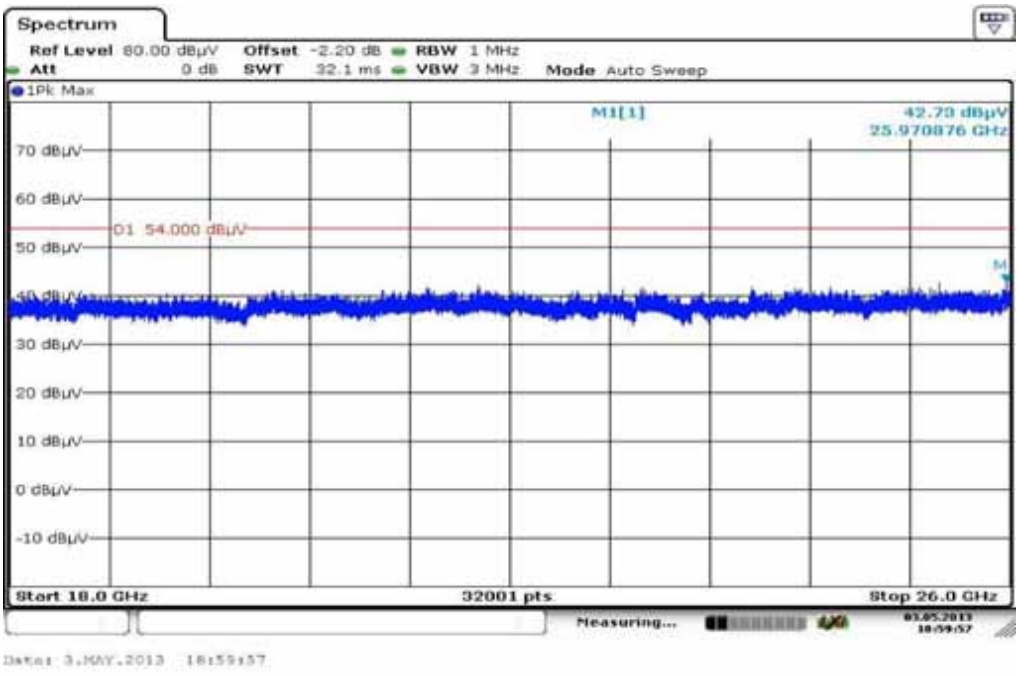


The carrier signal is notched with a 2.4 GHz band rejection filter.

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



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



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

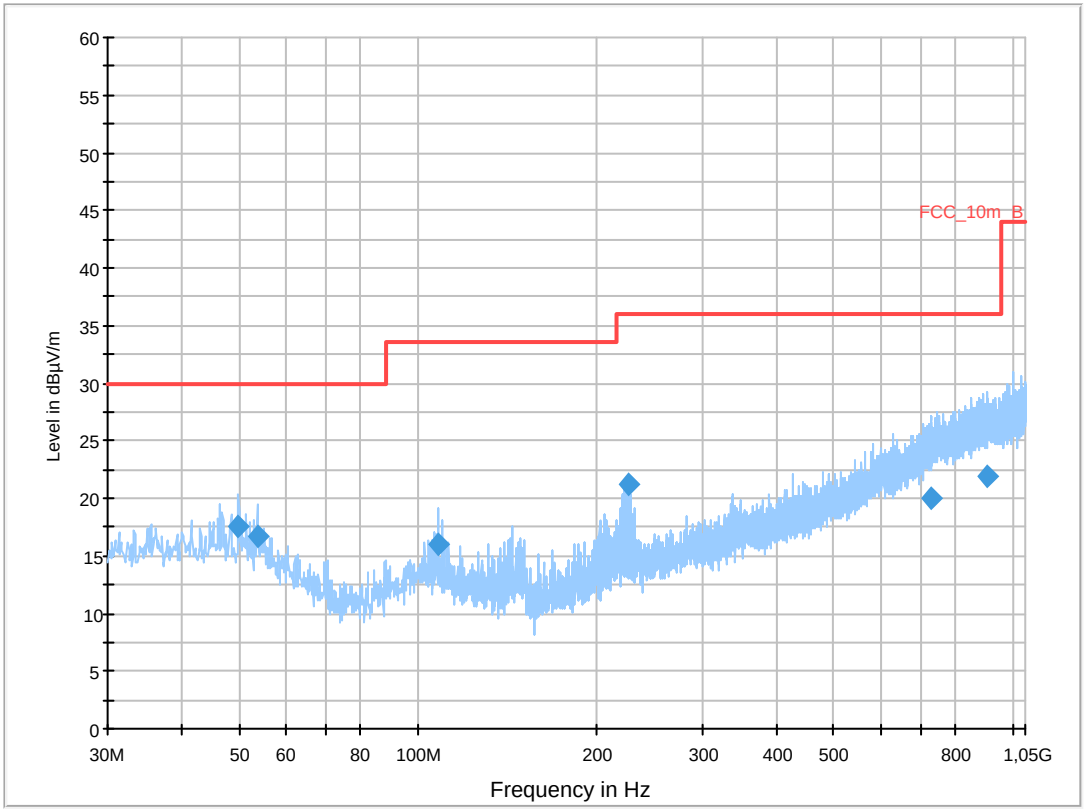
Common Information

EUT:	WLANBV2-A + antenna 453564271931
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan tx n-mode HT40 middle channel
Operator Name:	Wolsdorfer
Comment:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

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

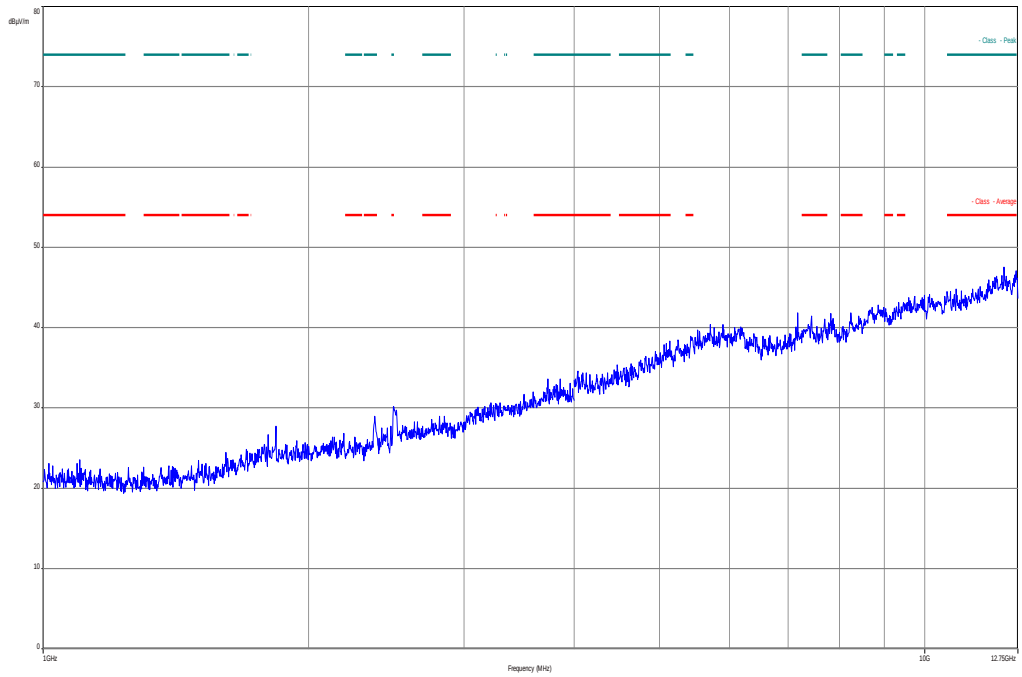
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

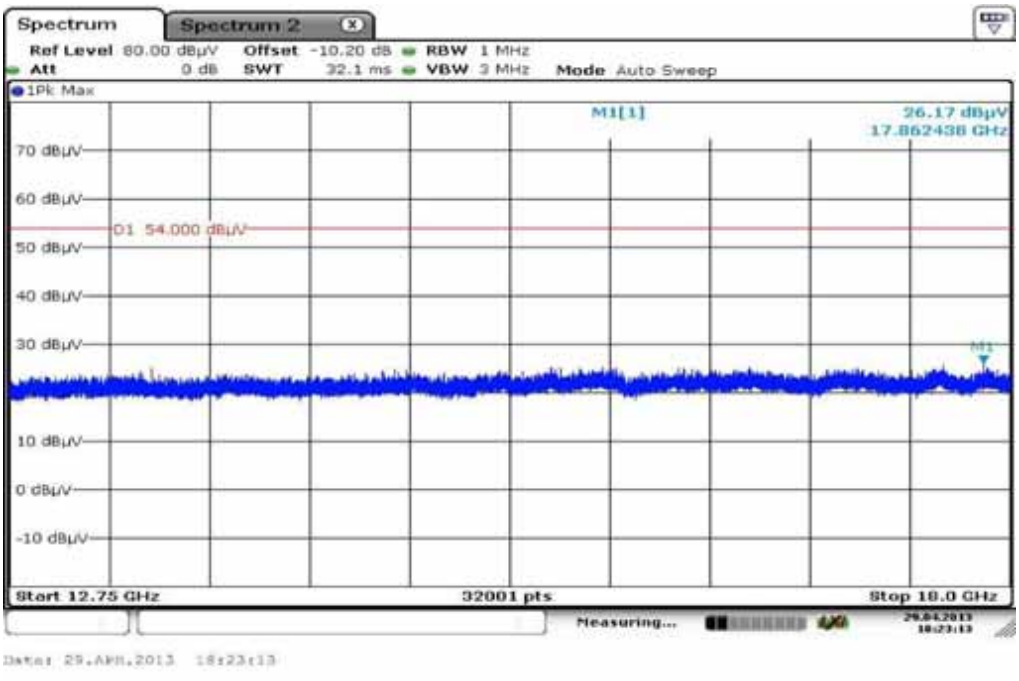
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
49.852350	17.5	1000.0	120.000	112.0	V	100.0	13.4	12.5	30.0	
53.620350	16.7	1000.0	120.000	111.0	V	-5.0	13.0	13.3	30.0	
108.041250	15.9	1000.0	120.000	111.0	V	0.0	11.2	17.6	33.5	
225.136500	21.2	1000.0	120.000	170.0	H	-10.0	12.6	14.8	36.0	
730.621800	20.0	1000.0	120.000	170.0	V	10.0	23.2	16.0	36.0	
903.850800	22.0	1000.0	120.000	170.0	H	260.0	25.2	14.0	36.0	

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

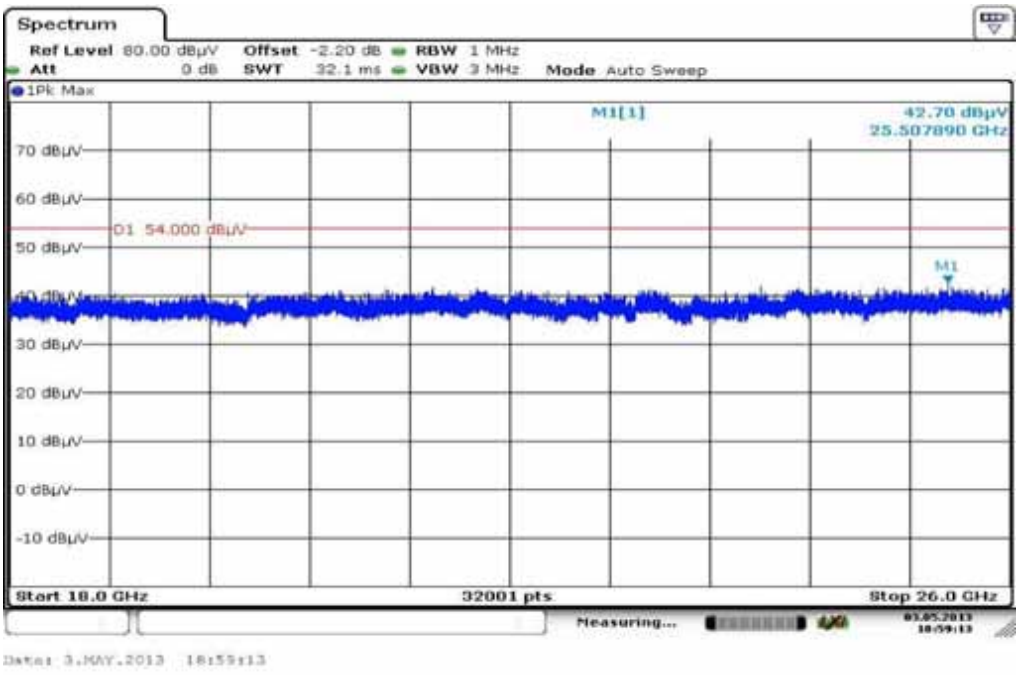


The carrier signal is notched with a 2.4 GHz band rejection filter.

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

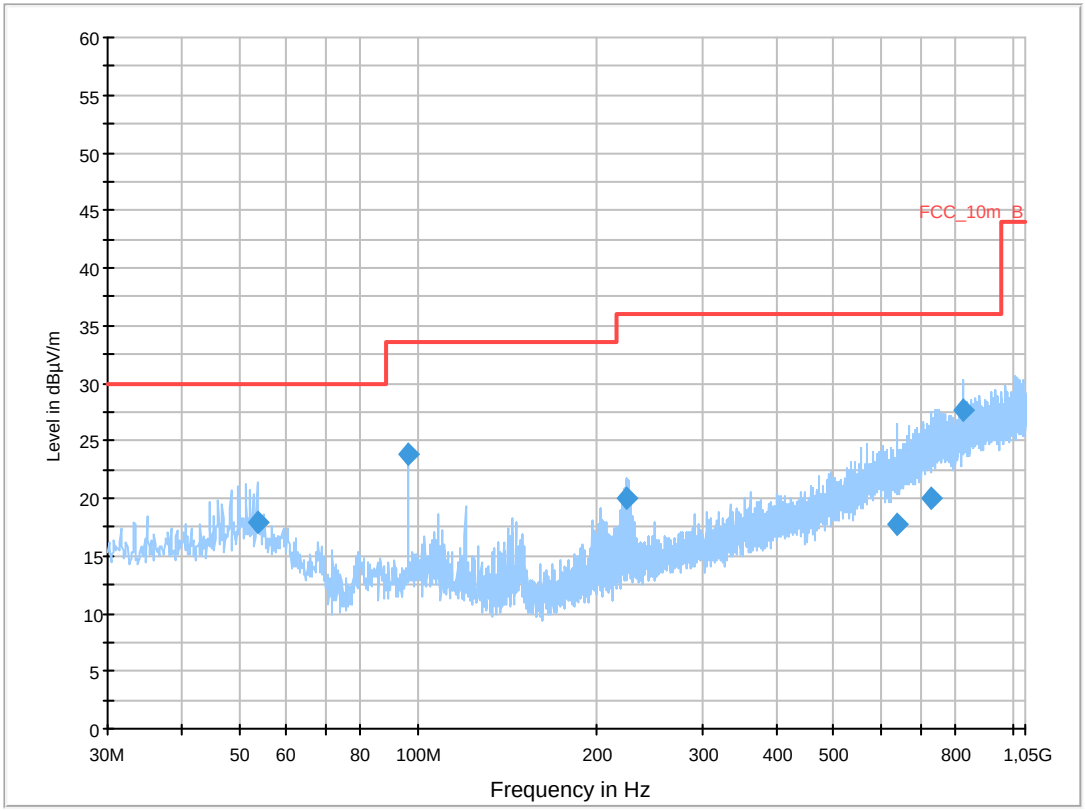
Common Information

EUT:	WLANBV2-A + antenna 453564271931
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan tx n-mode HT40 highest channel
Operator Name:	Wolsdorfer
Comment:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

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

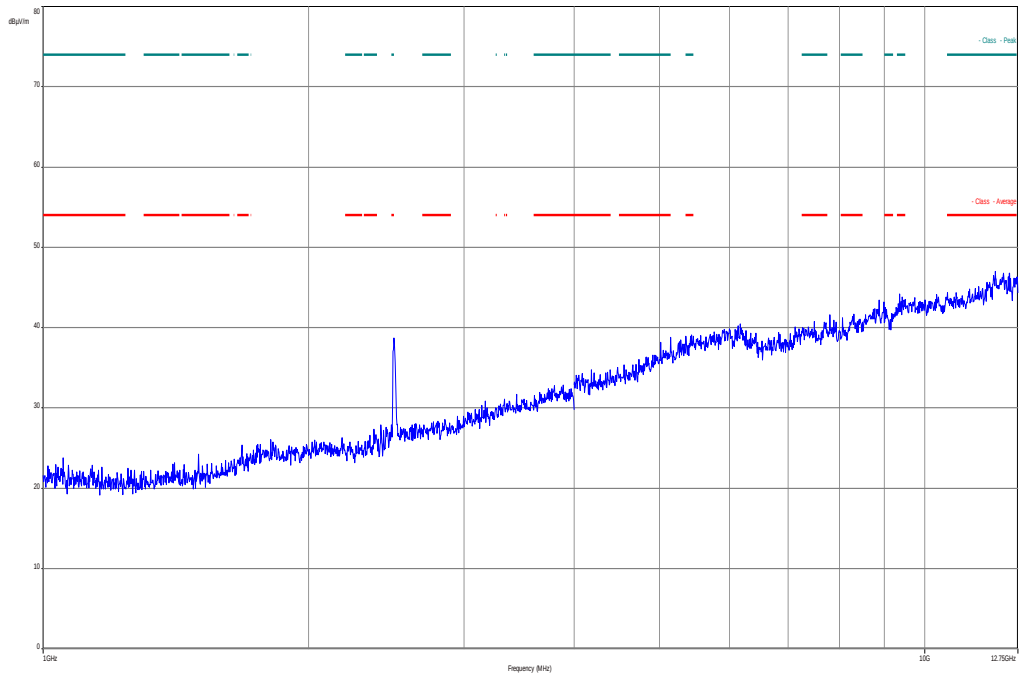
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



Final Result 1

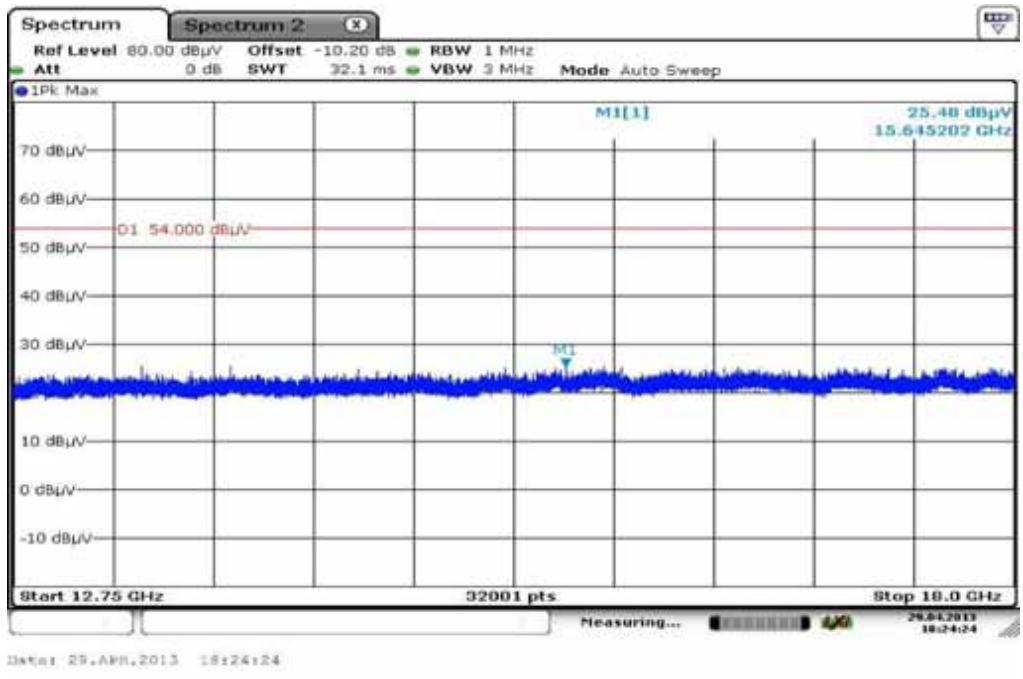
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
53.635500	17.9	1000.0	120.000	111.0	V	261.0	13.0	12.1	30.0	
96.041250	23.9	1000.0	120.000	120.0	V	90.0	11.4	9.6	33.5	
224.368500	19.9	1000.0	120.000	170.0	V	-5.0	12.5	16.1	36.0	
638.182200	17.7	1000.0	120.000	111.0	H	190.0	21.0	18.3	36.0	
728.233050	19.9	1000.0	120.000	132.0	H	280.0	23.2	16.1	36.0	
824.182050	27.7	1000.0	120.000	120.0	V	190.0	24.2	8.3	36.0	

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

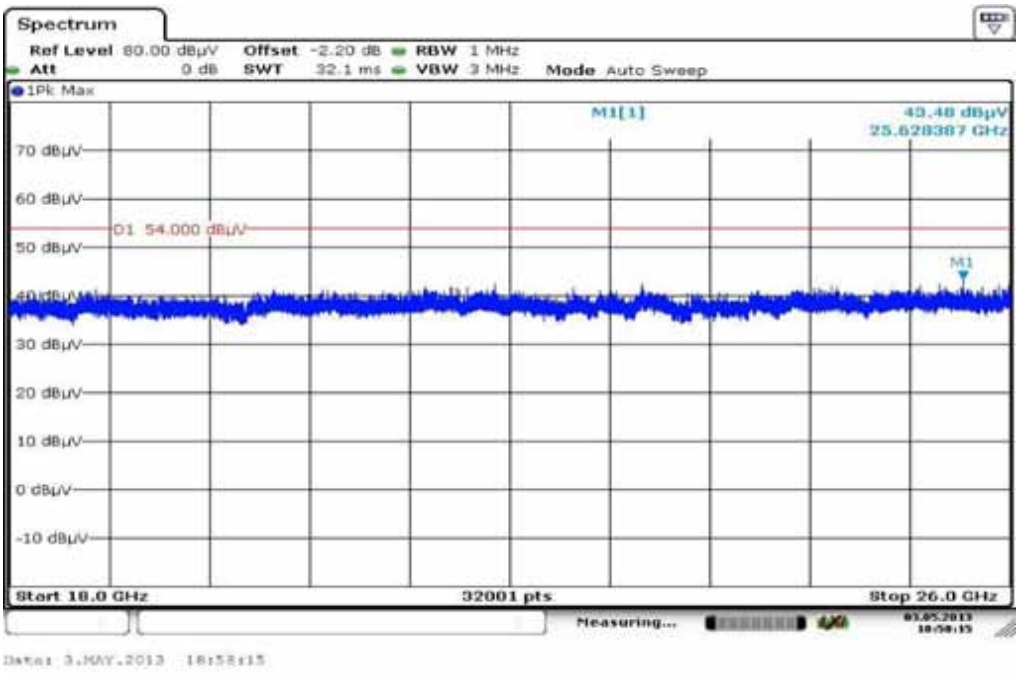


The carrier signal is notched with a 2.4 GHz band rejection filter.

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



3 RX spurious emissions radiated

Description:

Measurement of the radiated spurious emissions in idle/receive mode. The results are valid for both modes.

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

Limits:

FCC		IC
RX Spurious Emissions Radiated		
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:

RX Spurious Emissions Radiated [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.		
Measurement uncertainty	± 3 dB	

Result: **Passed.**

Plots: RX / Idle – mode (ANT M3002-66494)

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

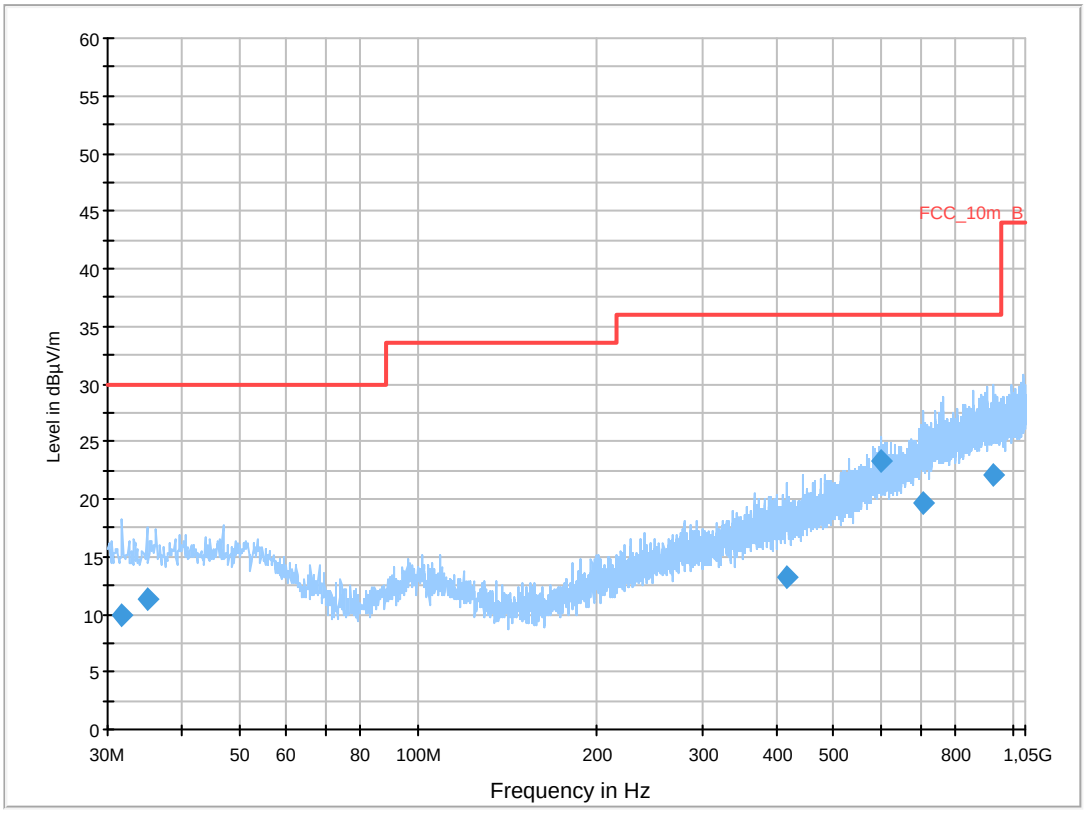
Common Information

EUT:	WLANBV2-A + antenna M3002-66494
Serial Number:	eval 2
Test Description:	FCC part 15 B class B @ 10 m
Operating Conditions:	wlan rx
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

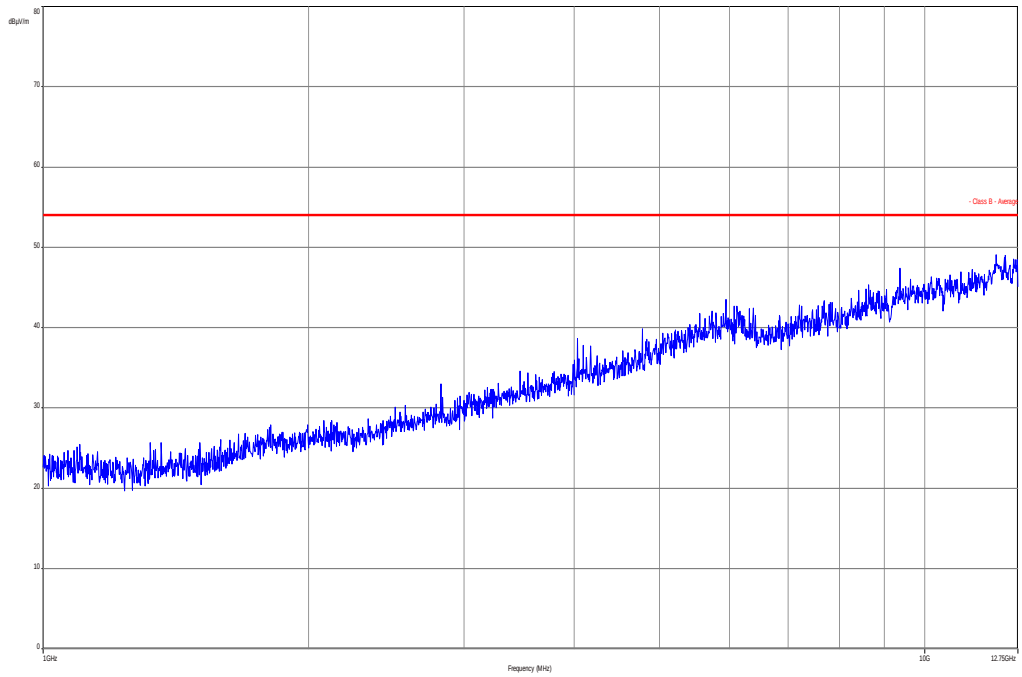
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



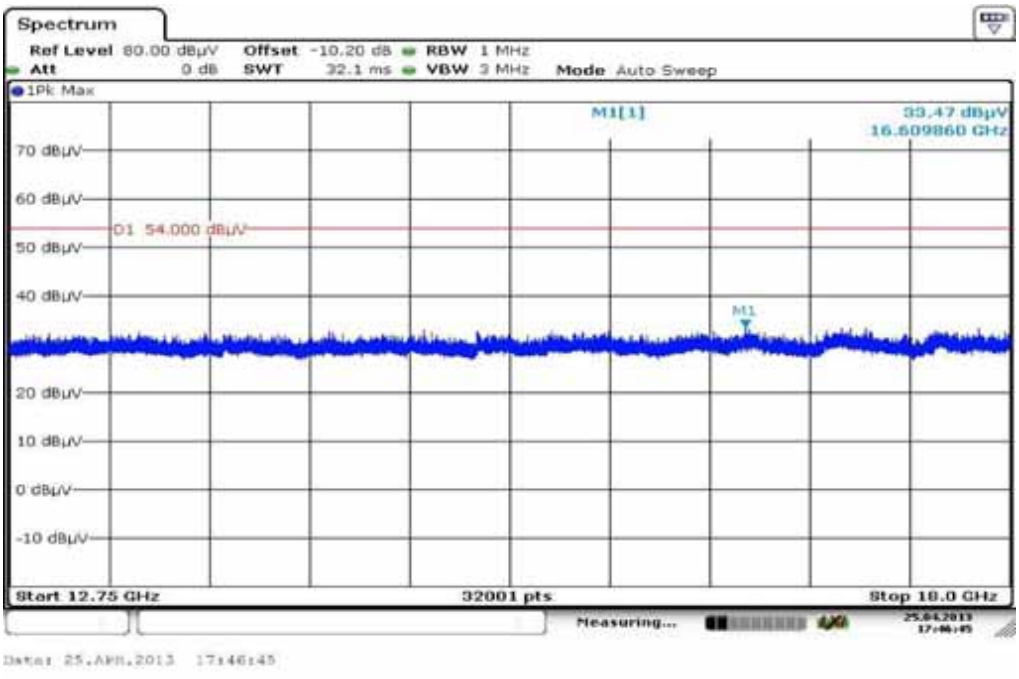
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
31.615350	10.0	1000.0	120.000	144.0	V	10.0	12.7	20.0	30.0	
34.989600	11.2	1000.0	120.000	170.0	V	10.0	13.0	18.8	30.0	
415.315200	13.2	1000.0	120.000	170.0	V	280.0	17.1	22.8	36.0	
599.981700	23.3	1000.0	120.000	170.0	H	261.0	20.8	12.7	36.0	
708.236550	19.7	1000.0	120.000	170.0	H	0.0	22.7	16.3	36.0	
930.388650	22.0	1000.0	120.000	143.0	V	10.0	25.3	14.0	36.0	

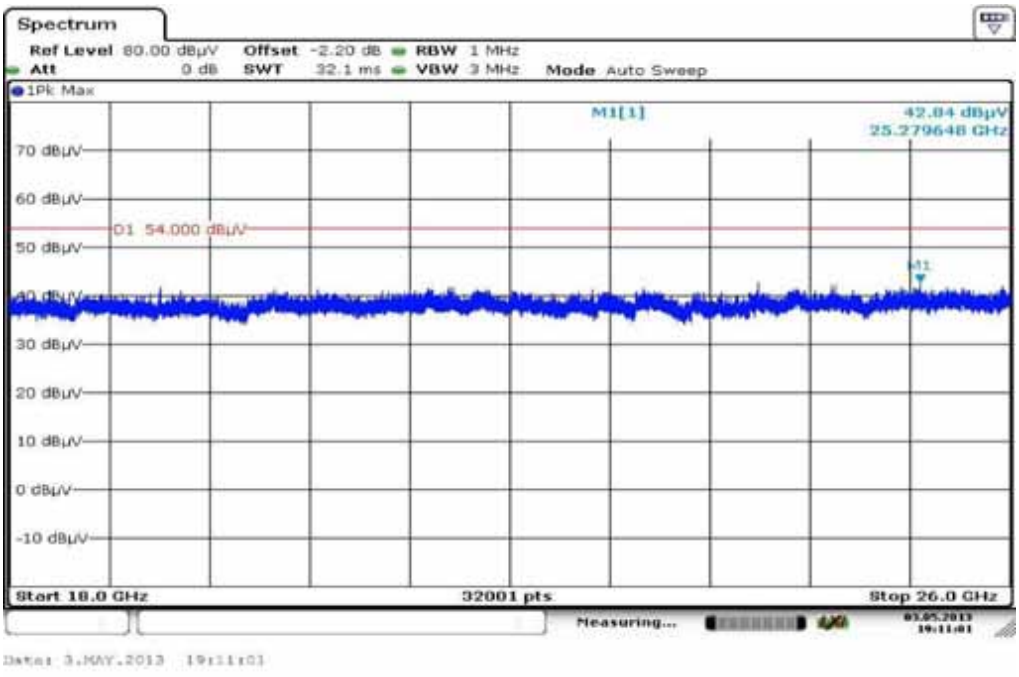
Plot 2: 1 GHz to 12.75 GHz, vertical & horizontal polarization



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



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



Plots: RX / Idle – mode (ANT 453564154611)

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

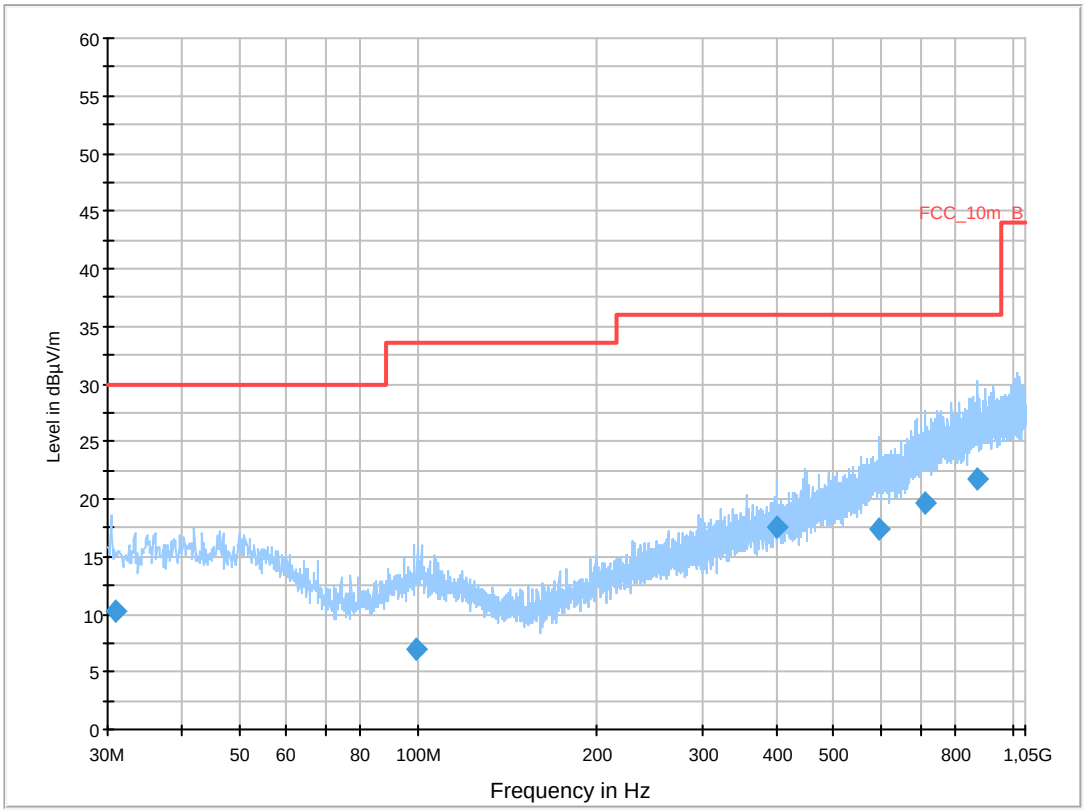
Common Information

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

Scan Setup: STAN_Fin [EMI radiated]

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

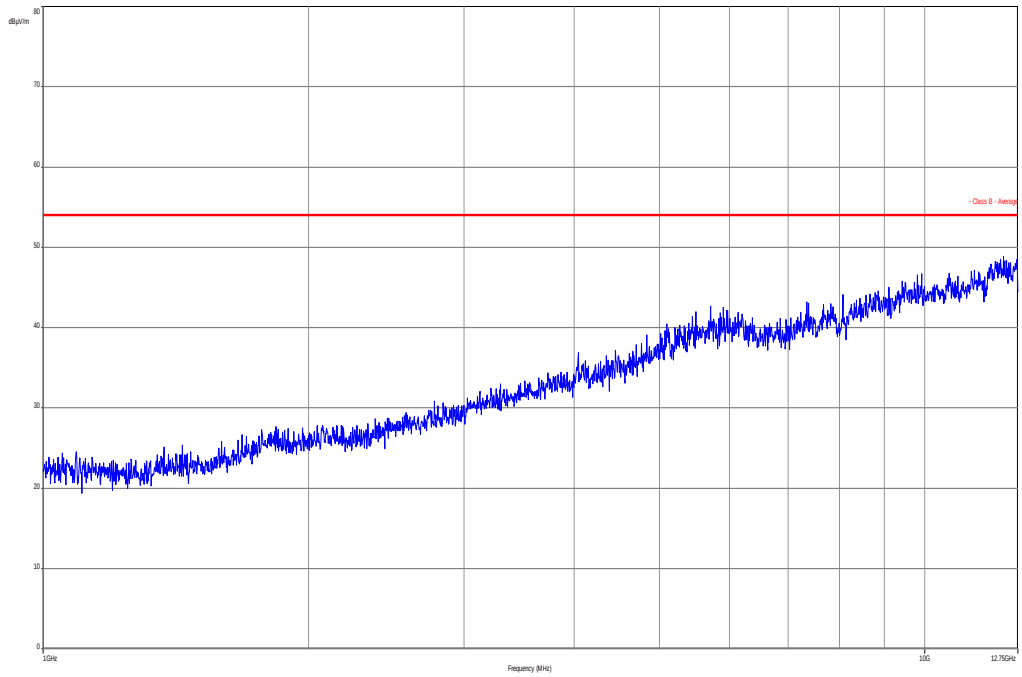
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



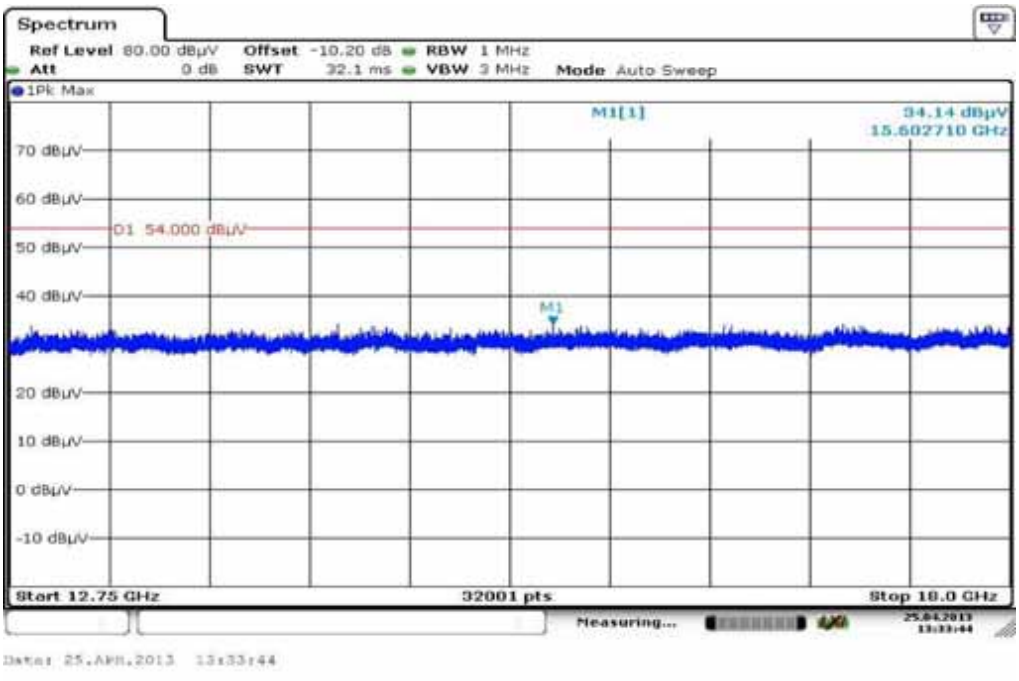
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
30.971201	10.2	1000.0	120.000	162.0	V	-9.0	12.6	19.8	30.0	
98.914950	6.9	1000.0	120.000	170.0	H	280.0	11.8	26.6	33.5	
399.990450	17.5	1000.0	120.000	170.0	V	268.0	16.9	18.5	36.0	
593.881650	17.4	1000.0	120.000	170.0	V	10.0	20.6	18.6	36.0	
712.192800	19.7	1000.0	120.000	170.0	V	100.0	22.8	16.3	36.0	
868.794150	21.7	1000.0	120.000	105.0	V	100.0	24.8	14.3	36.0	

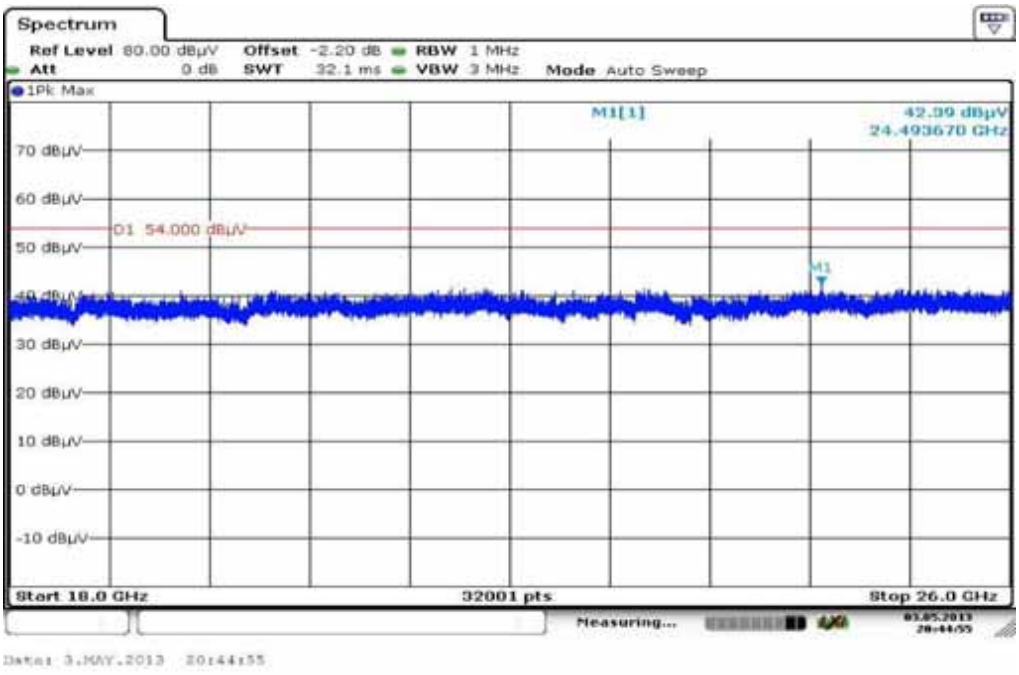
Plot 2: 1 GHz to 12.75 GHz, vertical & horizontal polarization



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



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



Plots: RX / Idle – mode (ANT 453564175981)

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

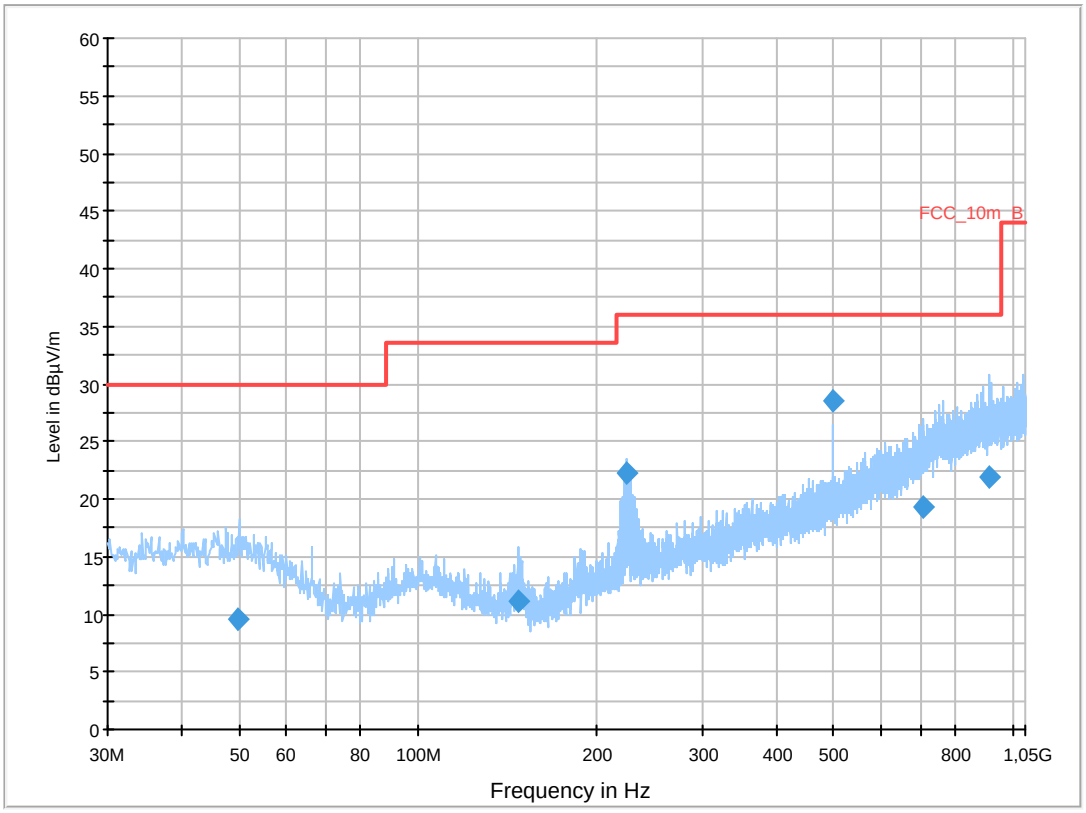
Common Information

EUT:	WLANBV2-A + antenna 453564175981
Serial Number:	eval 2
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan rx
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

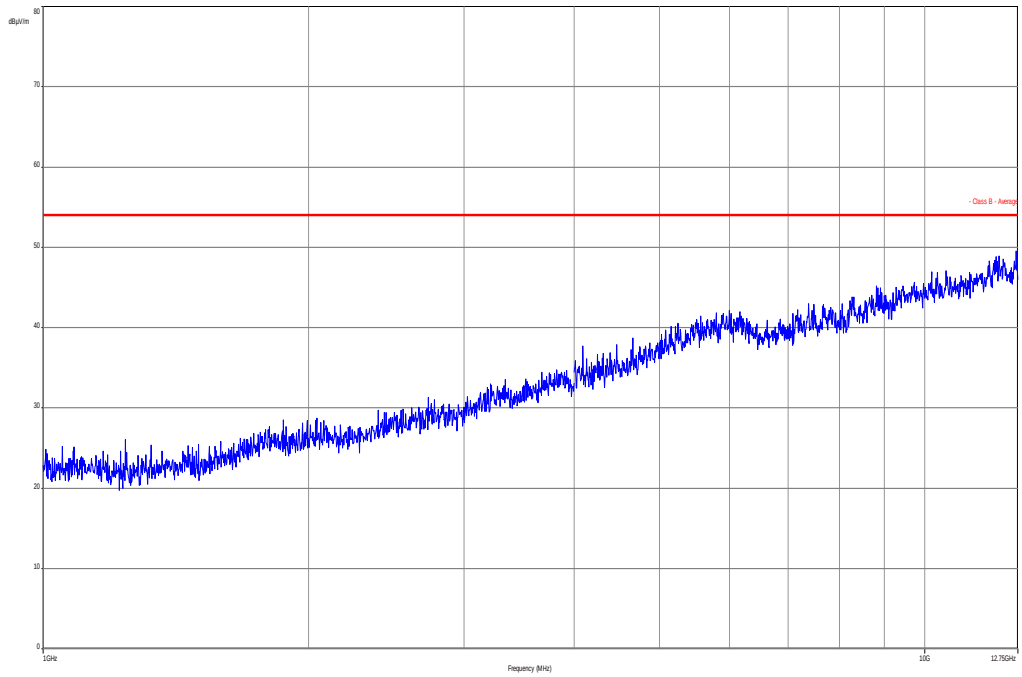
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



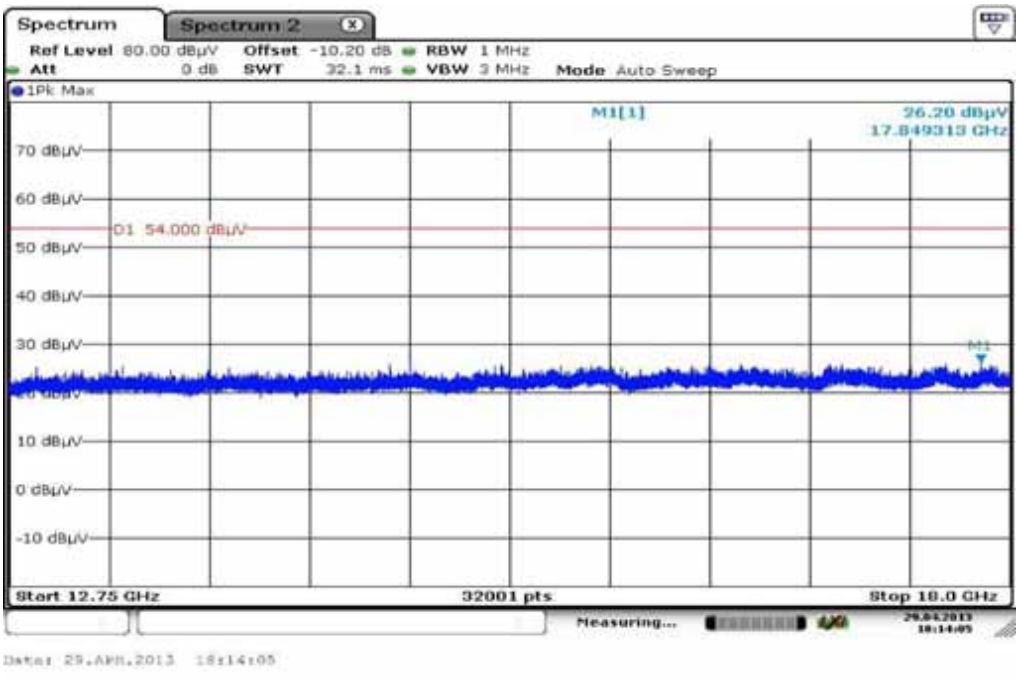
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
49.872750	9.6	1000.0	120.000	170.0	V	3.0	13.4	20.4	30.0	
147.683850	11.0	1000.0	120.000	154.0	V	272.0	8.9	22.5	33.5	
223.424400	22.3	1000.0	120.000	170.0	V	171.0	12.5	13.7	36.0	
500.001600	28.4	1000.0	120.000	170.0	H	10.0	18.7	7.6	36.0	
704.979750	19.4	1000.0	120.000	170.0	V	90.0	22.6	16.6	36.0	
913.588350	21.9	1000.0	120.000	98.0	H	3.0	25.2	14.1	36.0	

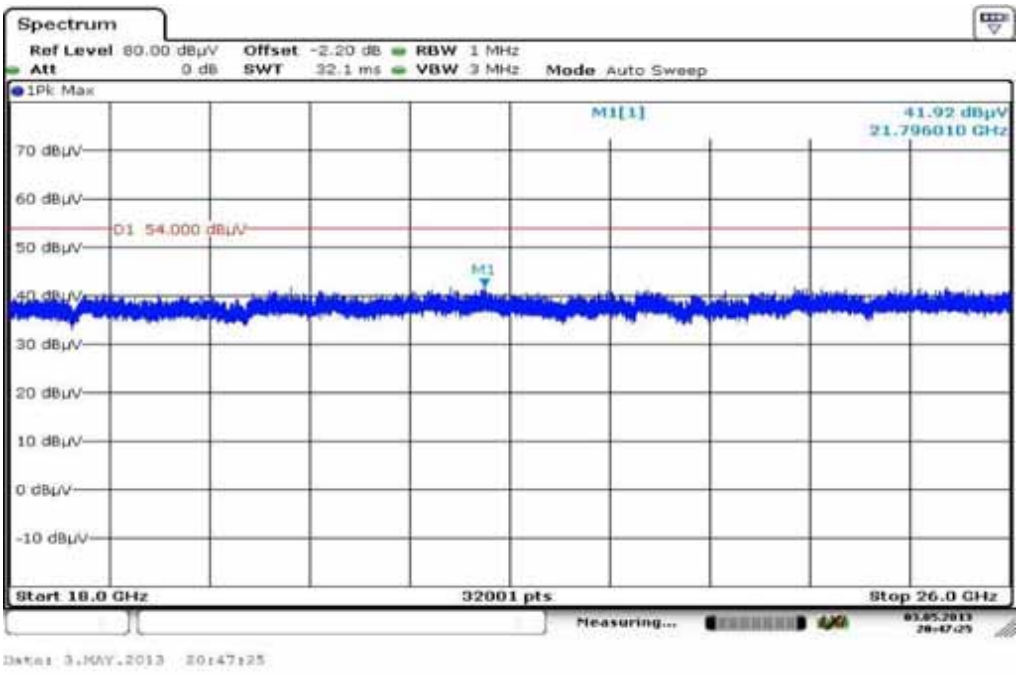
Plot 2: 1 GHz to 12.75 GHz, vertical & horizontal polarization



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



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



Plots: RX / Idle – mode (ANT 453564271931)

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

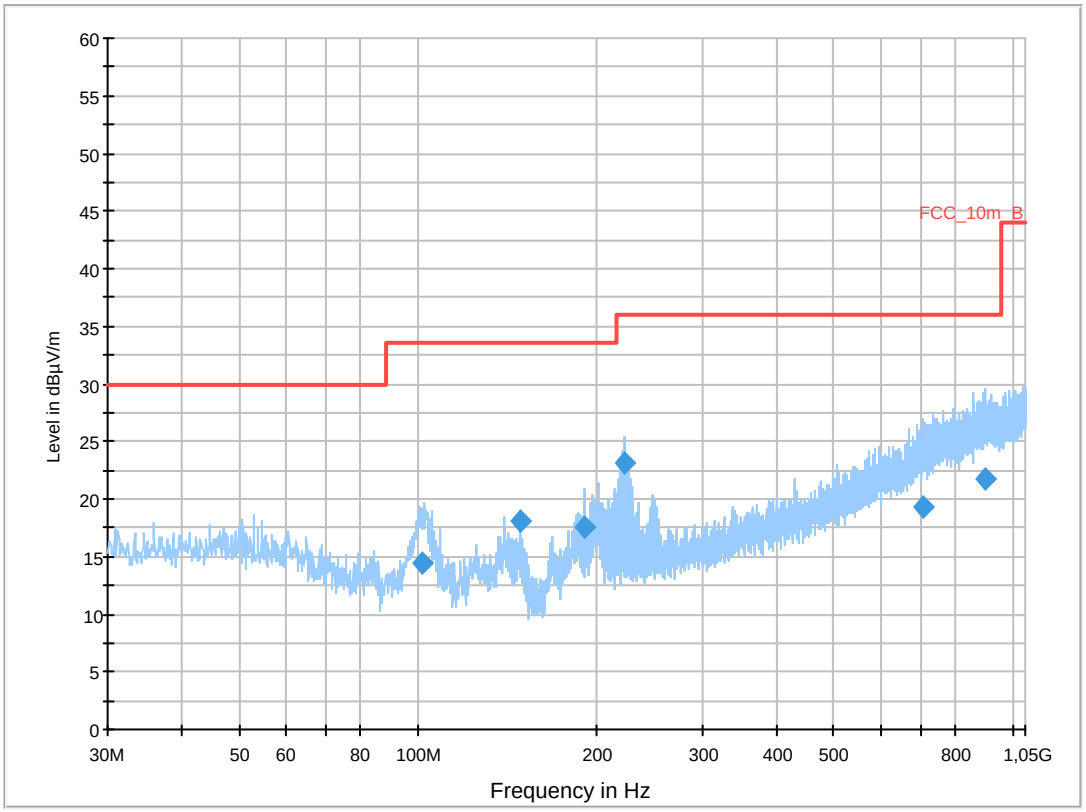
Common Information

EUT:	WLANBV2-A + antenna 453564271931
Serial Number:	eval
Test Description:	FCC part 15 B class B @ 10 m
Operating Conditions:	wlan rx mode
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

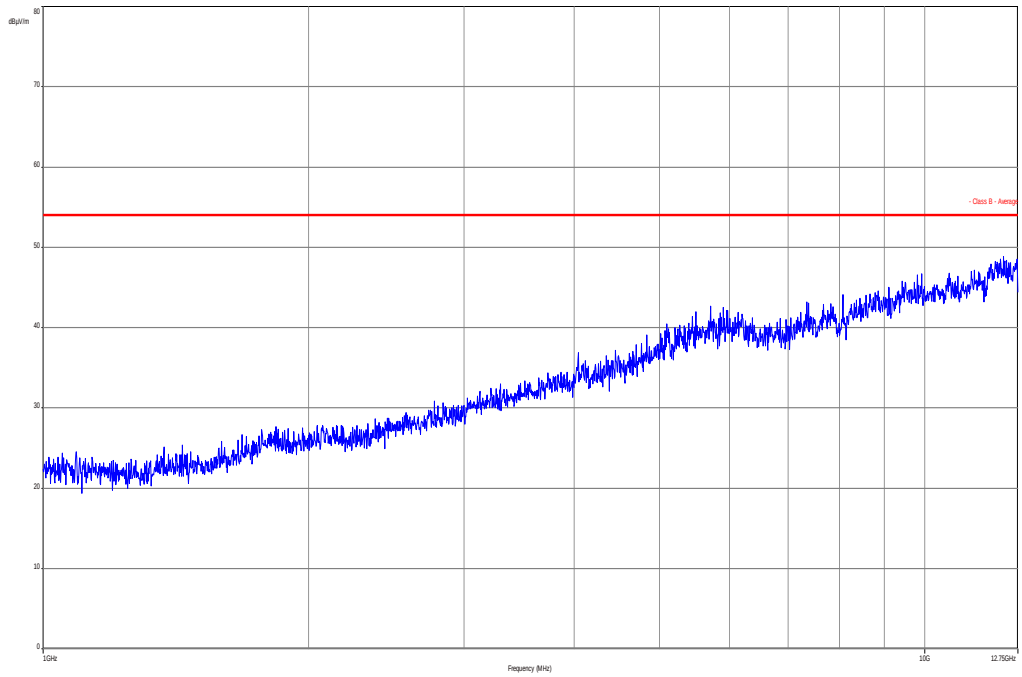
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



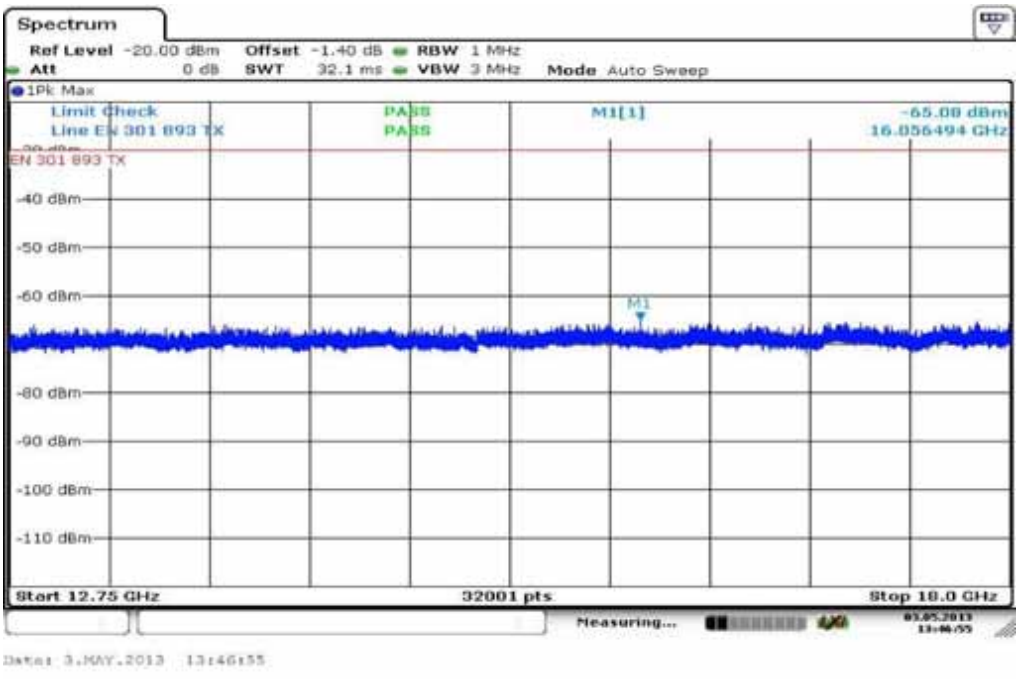
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
101.661450	14.4	1000.0	120.000	122.0	V	175.0	11.7	19.1	33.5	
148.281450	18.0	1000.0	120.000	113.0	V	0.0	8.9	15.5	33.5	
190.671300	17.5	1000.0	120.000	98.0	V	-2.0	11.1	16.0	33.5	
222.381300	23.2	1000.0	120.000	98.0	V	268.0	12.5	12.8	36.0	
706.793700	19.4	1000.0	120.000	170.0	H	100.0	22.7	16.6	36.0	
896.777400	21.8	1000.0	120.000	113.0	H	266.0	25.2	14.2	36.0	

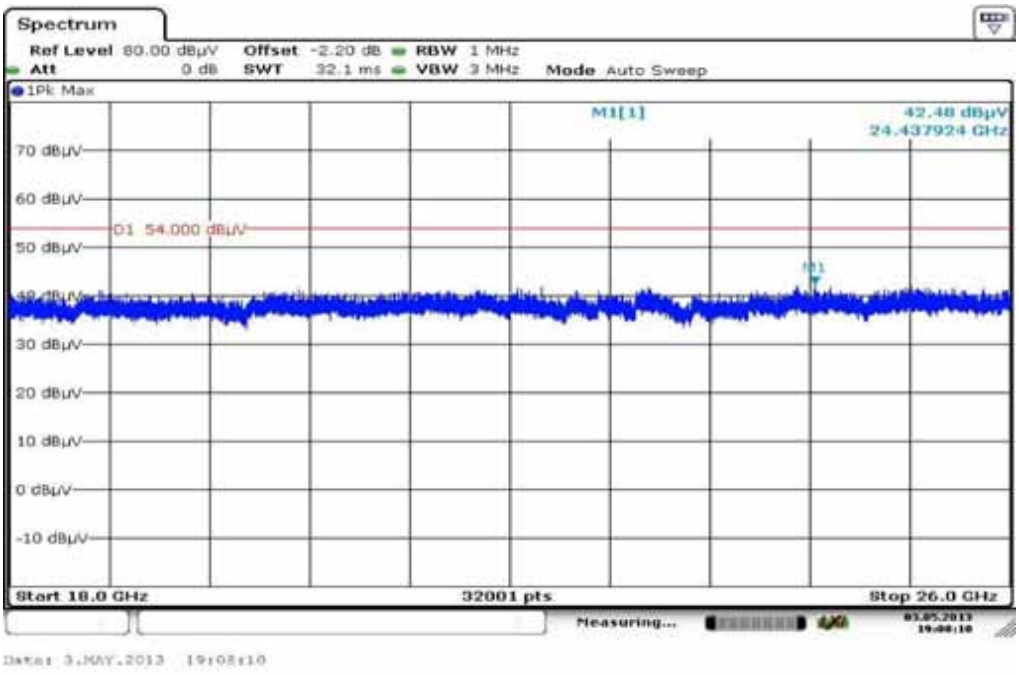
Plot 2: 1 GHz to 12.75 GHz, vertical & horizontal polarization



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



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



4 Spurious emissions radiated < 30 MHz

Description:

Measurement of the radiated spurious emissions in transmit mode below 30 MHz. The EUT is set to channel 6. This measurement is representative for all channels and modes. If peaks are found channel 1 and channel 11 will be measured too. The measurement is performed with the data rate producing the highest output power. The limits are recalculated to a measurement distance of 3 m with 40 dB/decade according CFR Part 2.

Measurement:

Measurement parameter	
Detector:	Peak / Quasi Peak
Sweep time:	Auto
Video bandwidth:	F < 150 kHz: 200 Hz F > 150 kHz: 9 kHz
Resolution bandwidth:	F < 150 kHz: 1 kHz F > 150 kHz: 100 kHz
Span:	9 kHz to 30 MHz
Trace-Mode:	Max Hold

Limits:

FCC		IC
TX Spurious Emissions Radiated < 30 MHz		
Frequency (MHz)	Field Strength (dBµV/m)	Measurement distance
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30

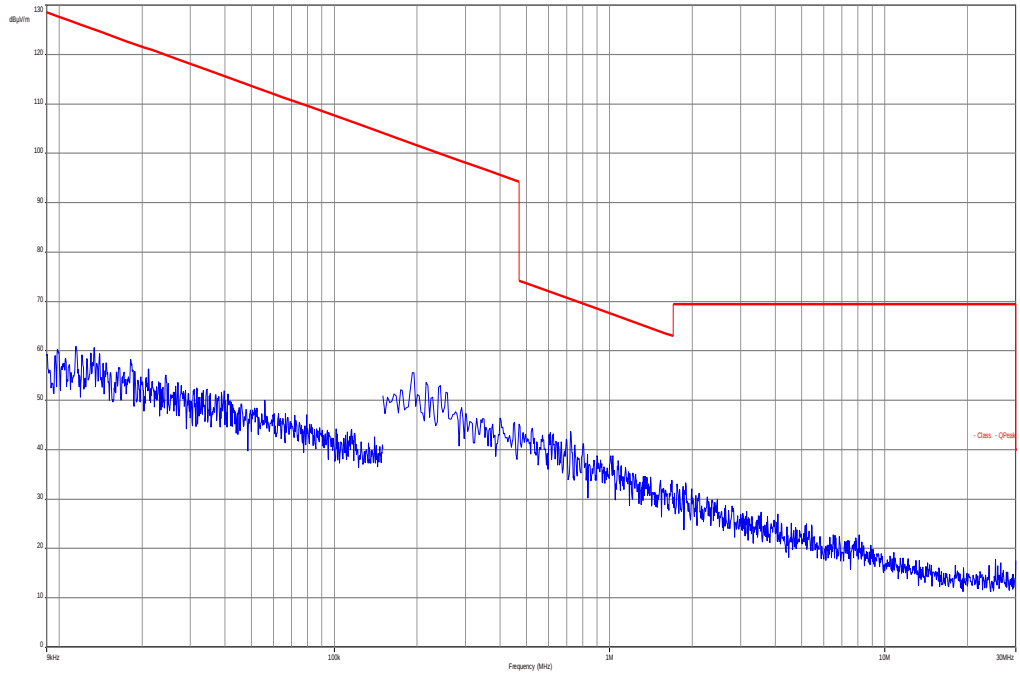
Results:

TX Spurious Emissions Radiated < 30 MHz [dBµV/m]		
F [MHz]	Detector	Level [dBµV/m]
No peaks found.		
Measurement uncertainty	± 3 dB	

Result: **Passed**

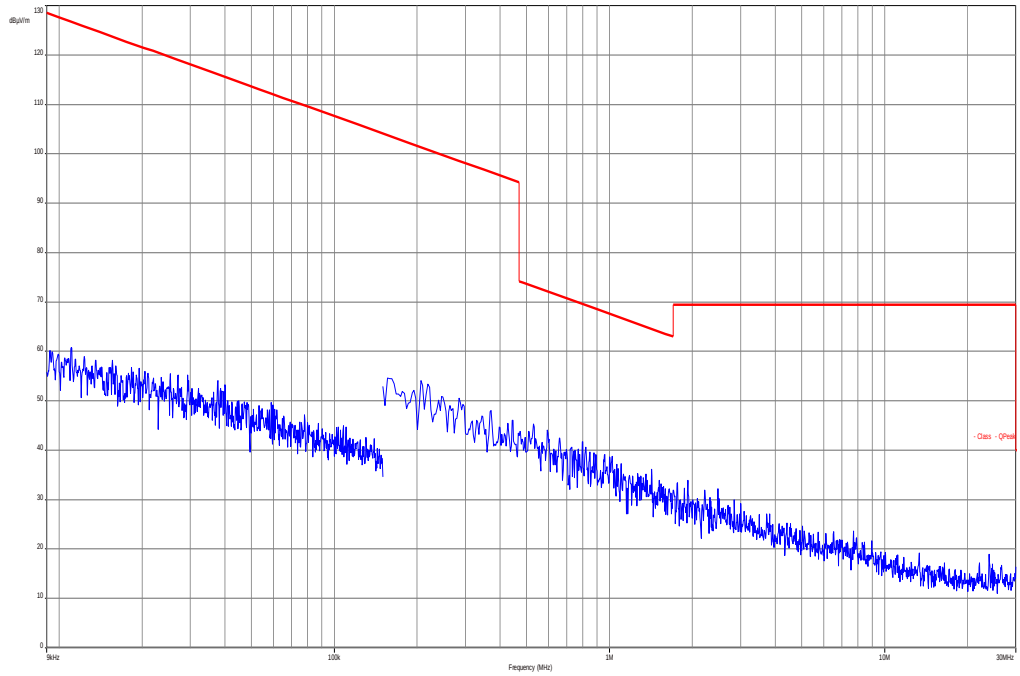
Plots: TX mode (ANT M3002-66494)

Plot 1: 9 kHz to 30 MHz



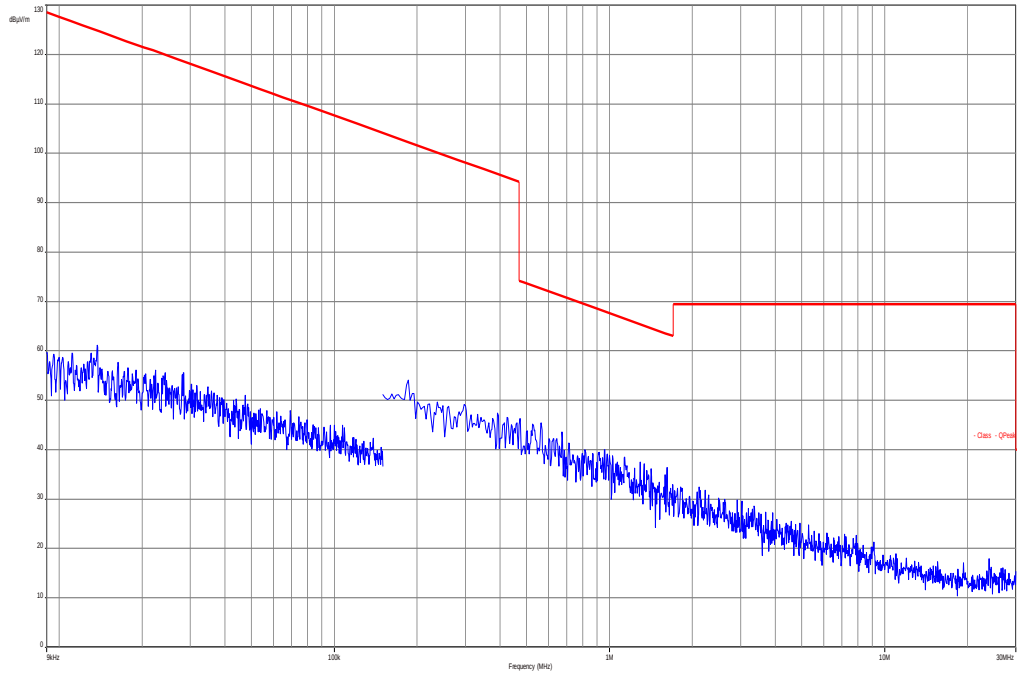
Plot: RX / Idle – mode (ANT M3002-66494)

Plot 1: 9 kHz to 30 MHz



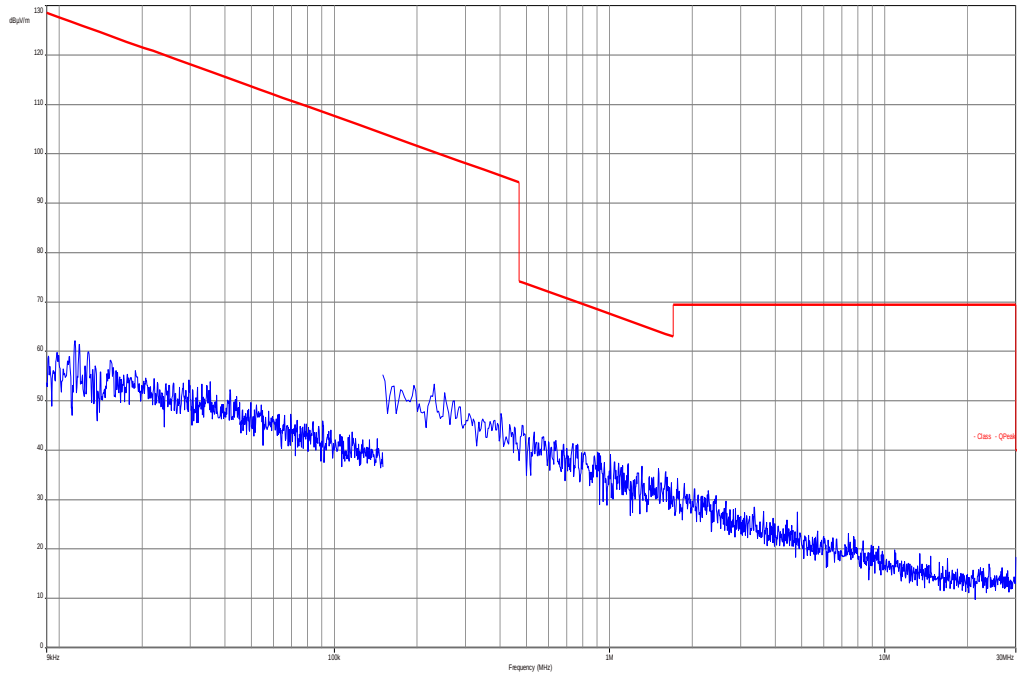
Plot: TX mode (ANT 453564154611)

Plot 1: 9 kHz to 30 MHz



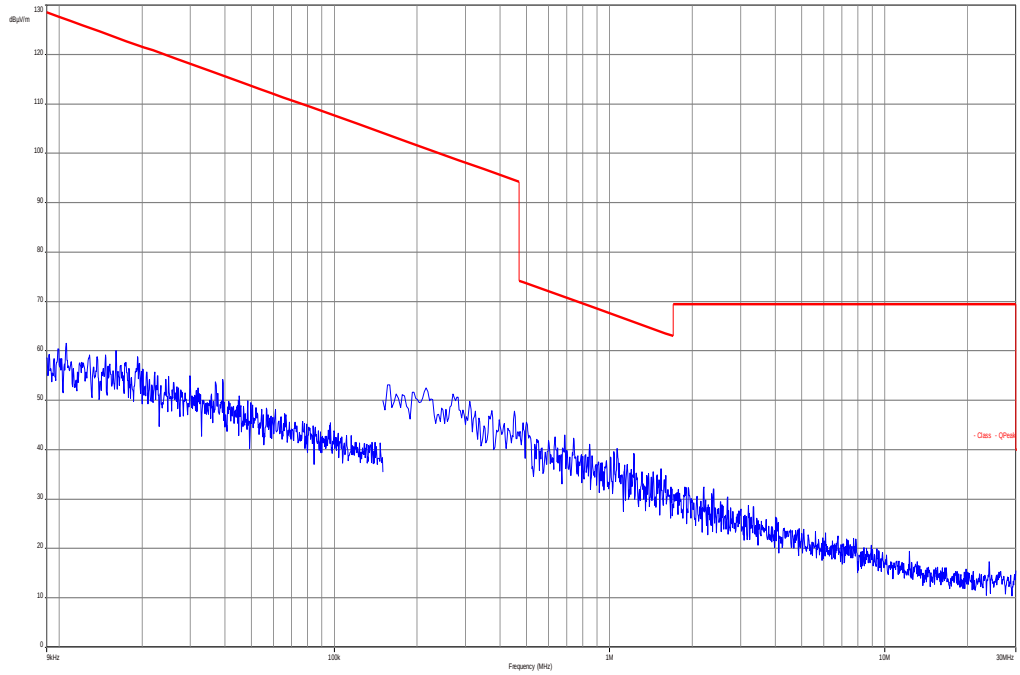
Plot: RX / Idle – mode (ANT 453564154611)

Plot 1: 9 kHz to 30 MHz



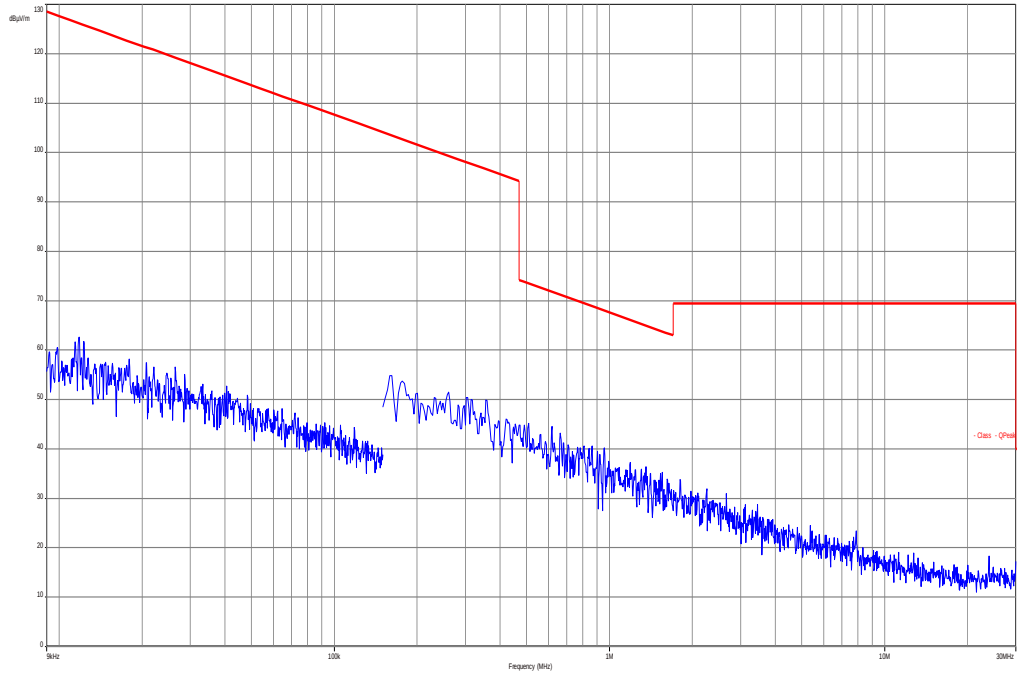
Plot: TX mode (ANT 453564175981)

Plot 1: 9 kHz to 30 MHz



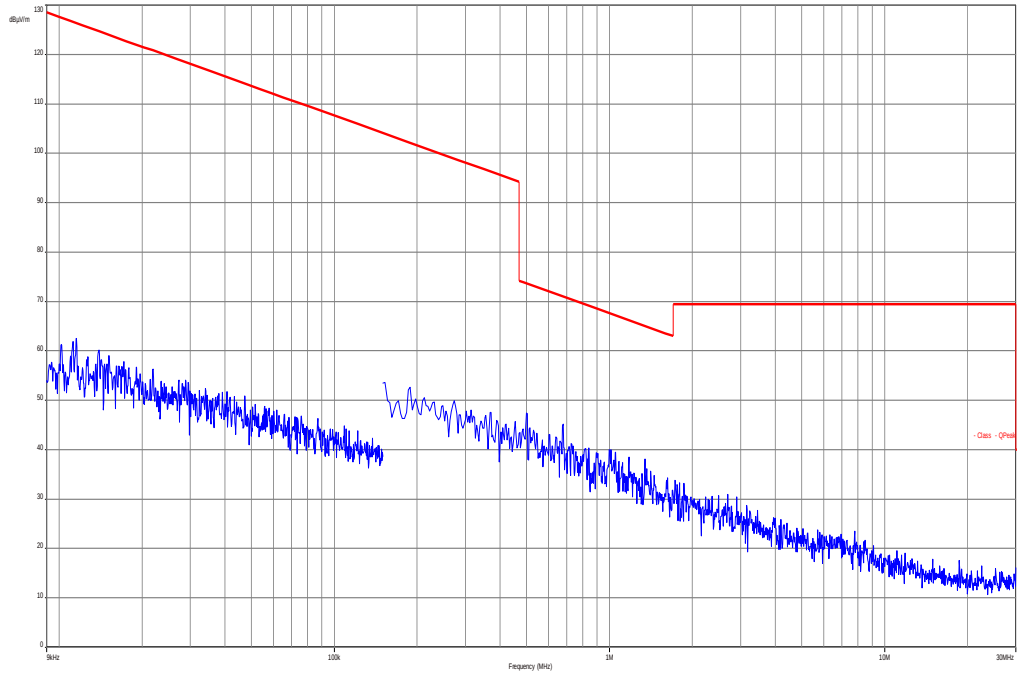
Plot: RX / Idle – mode (ANT 453564175981)

Plot 1: 9 kHz to 30 MHz



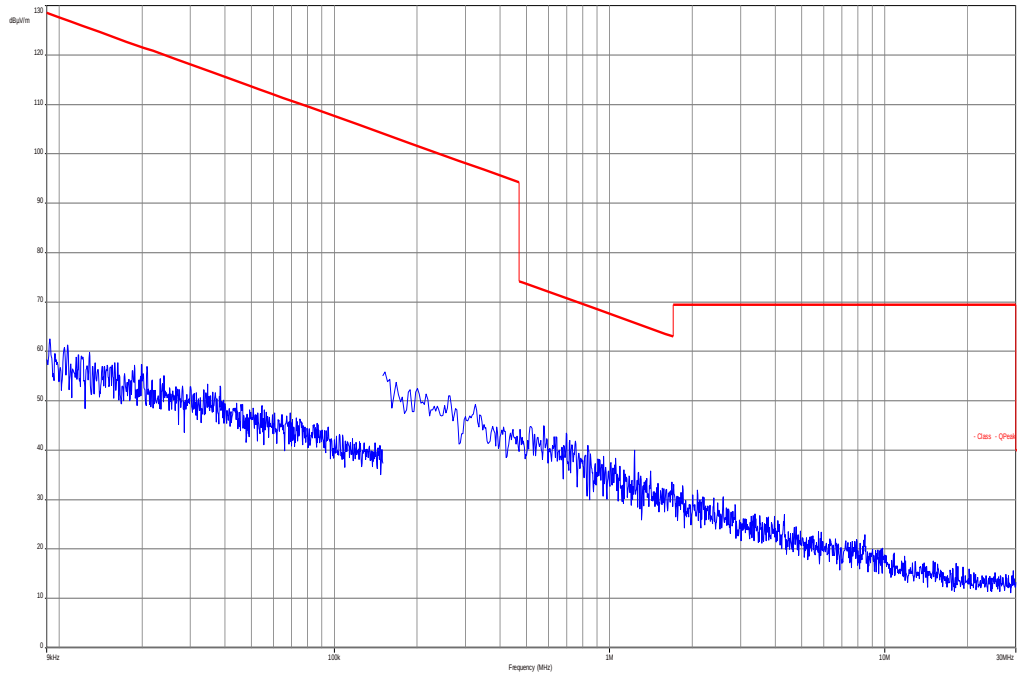
Plot: TX mode (ANT 453564271931)

Plot 1: 9 kHz to 30 MHz



Plot: RX / Idle – mode (ANT 453564271931)

Plot 1: 9 kHz to 30 MHz



5 Document history

Version	Applied changes	Date of release
	Initial release	2017-04-10