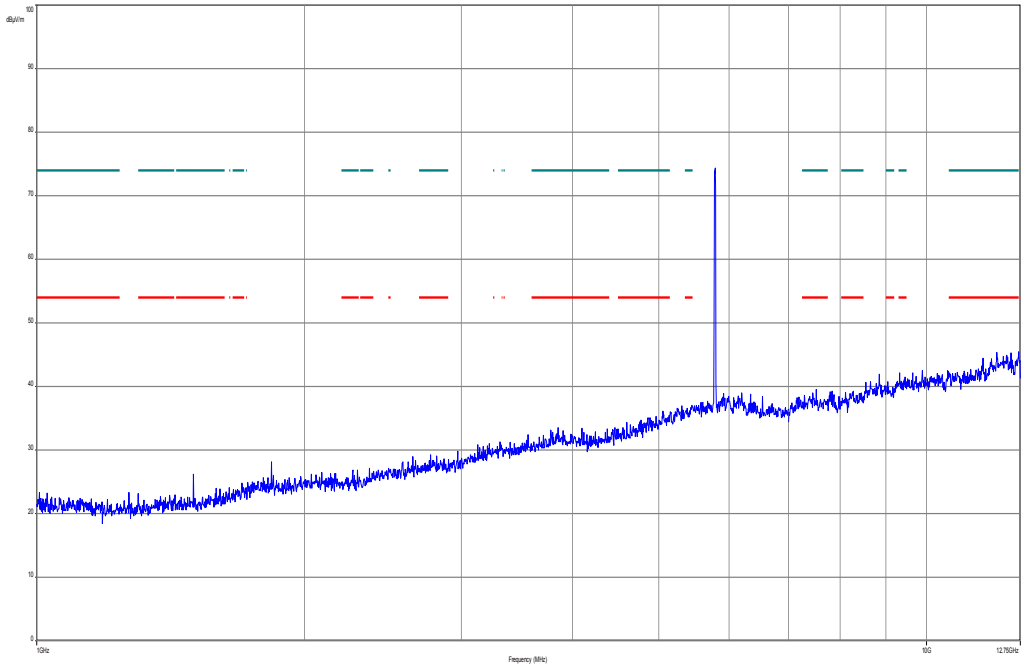
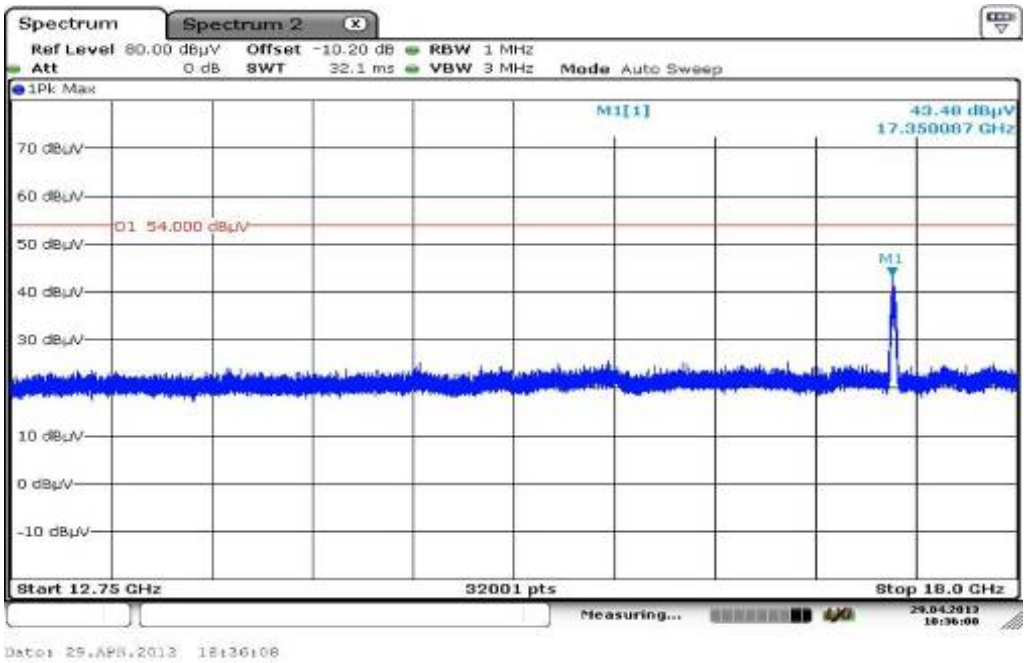
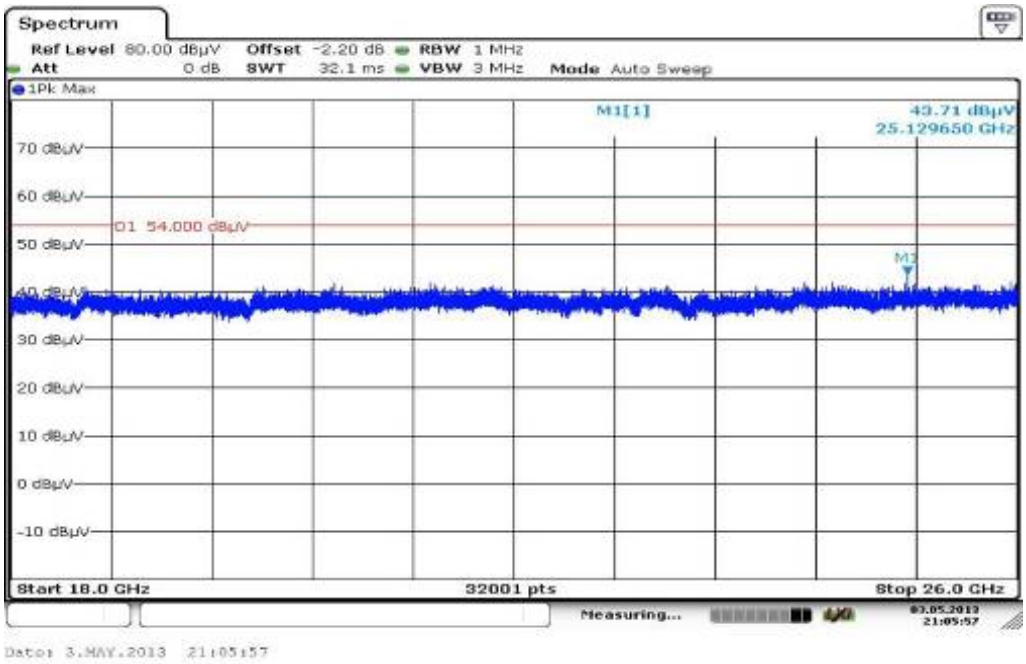
Plot 7: Middle channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



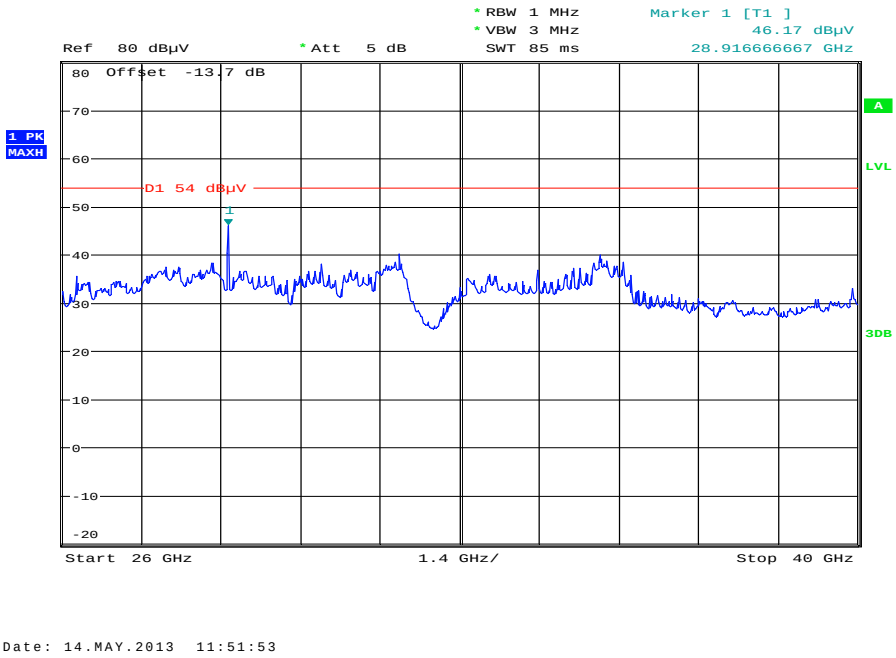
Plot 8: Middle channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Plot 9: Middle channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 10: Middle channel, 26 GHz to 40 GHz, vertical & horizontal polarization



Plot 11: Highest channel, 30 MHz to 1 GHz, vertical & horizontal polarization

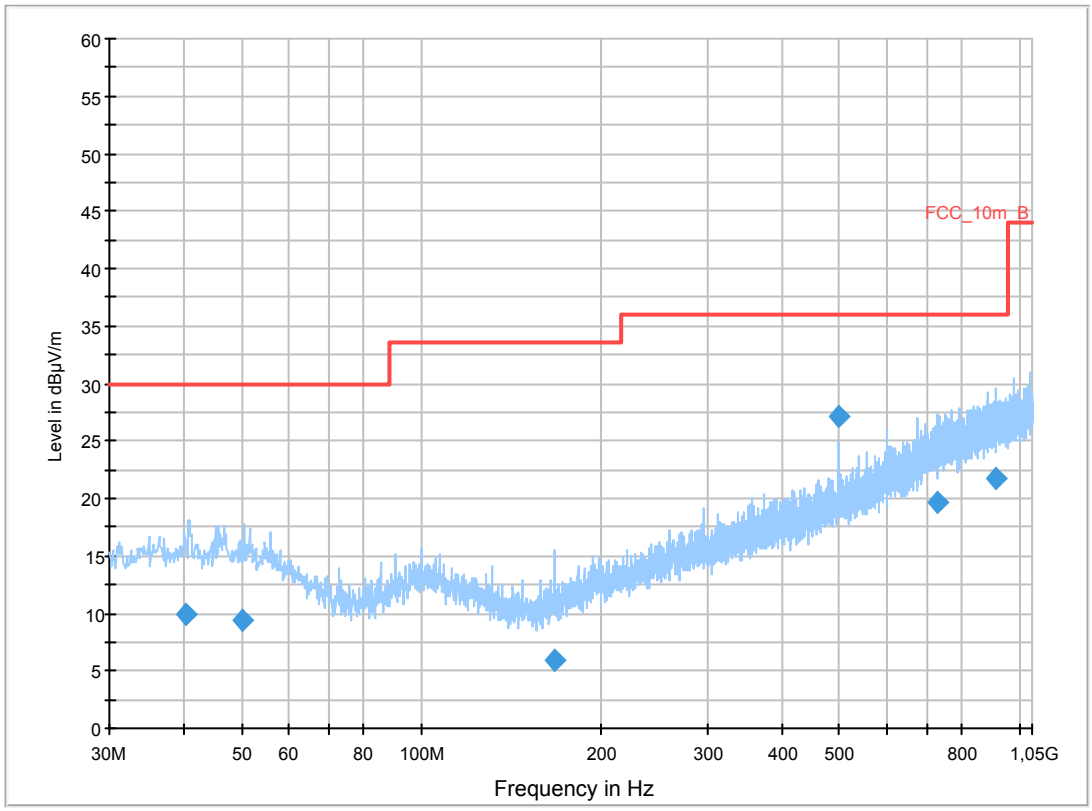
Common Information

EUT:	WLANBV2-A + antenna 453564175981
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	WLAN a mode tx @ 5825 MHz
Operator Name:	Hennemann
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

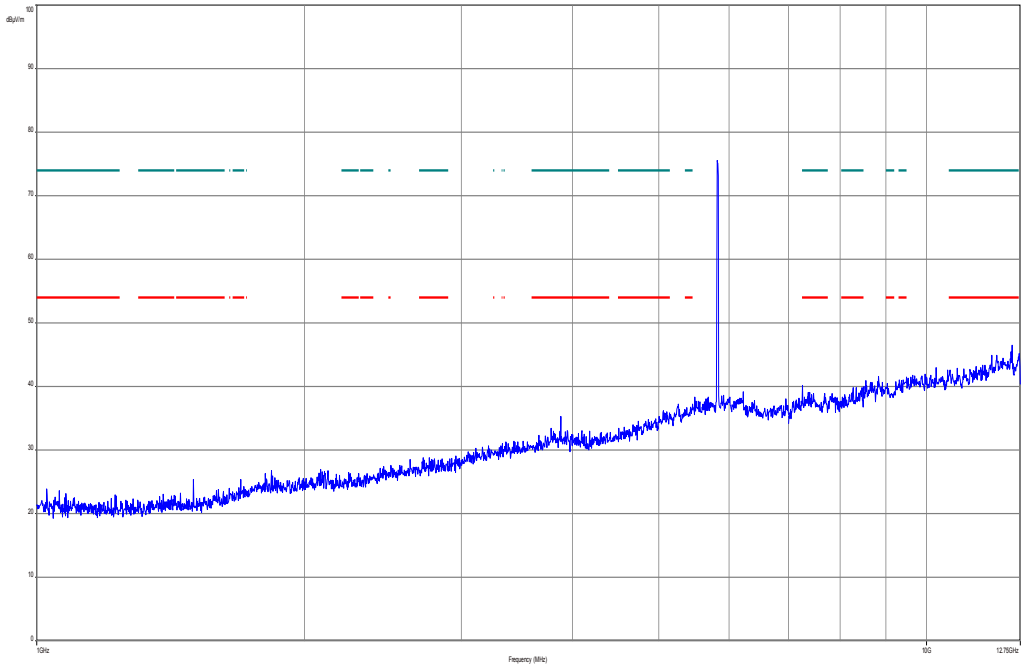
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



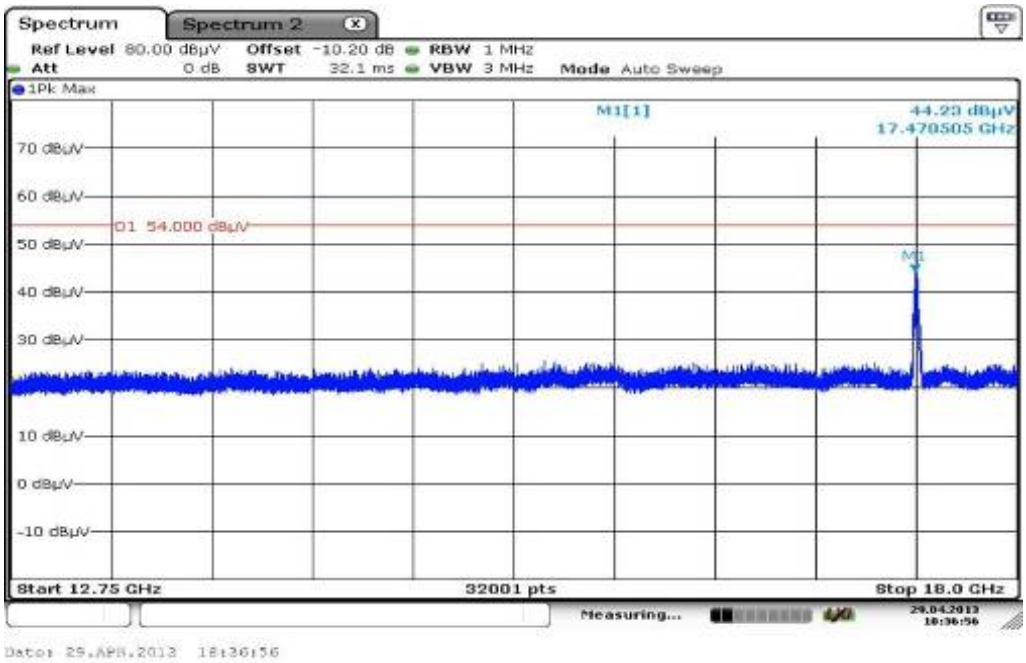
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
40.308450	9.9	1000.0	120.000	111.0	H	280.0	13.4	20.1	30.0	
49.999200	9.4	1000.0	120.000	98.0	H	2.0	13.4	20.6	30.0	
166.818900	5.9	1000.0	120.000	133.0	V	-10.0	9.6	27.6	33.5	
500.010450	27.1	1000.0	120.000	170.0	H	170.0	18.7	8.9	36.0	
730.673100	19.7	1000.0	120.000	131.0	V	171.0	23.2	16.3	36.0	
910.427850	21.7	1000.0	120.000	170.0	H	171.0	25.2	14.3	36.0	

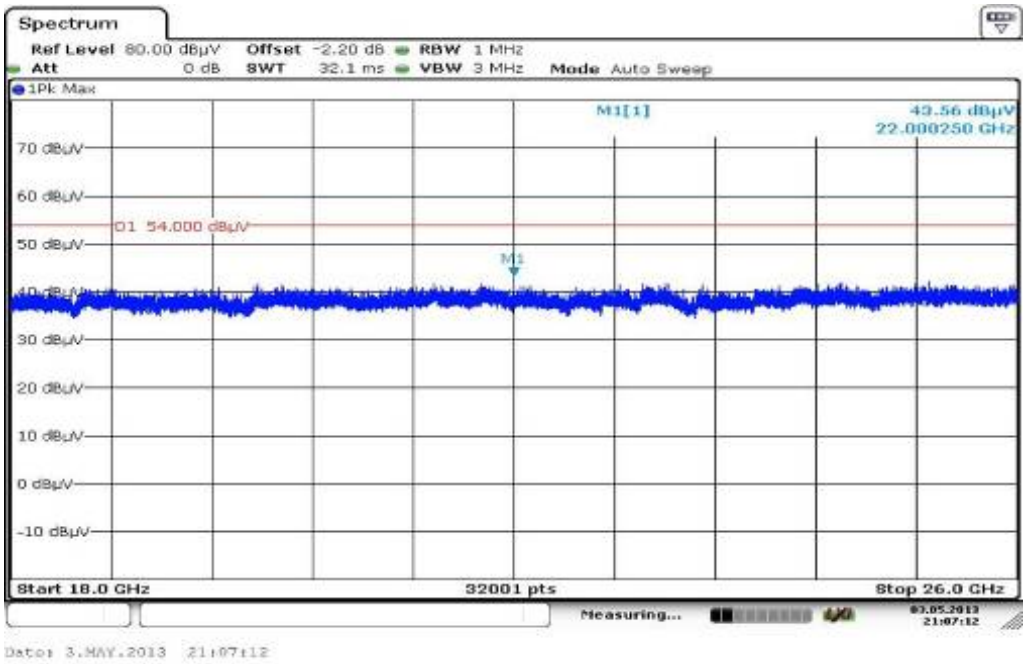
Plot 12: Highest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



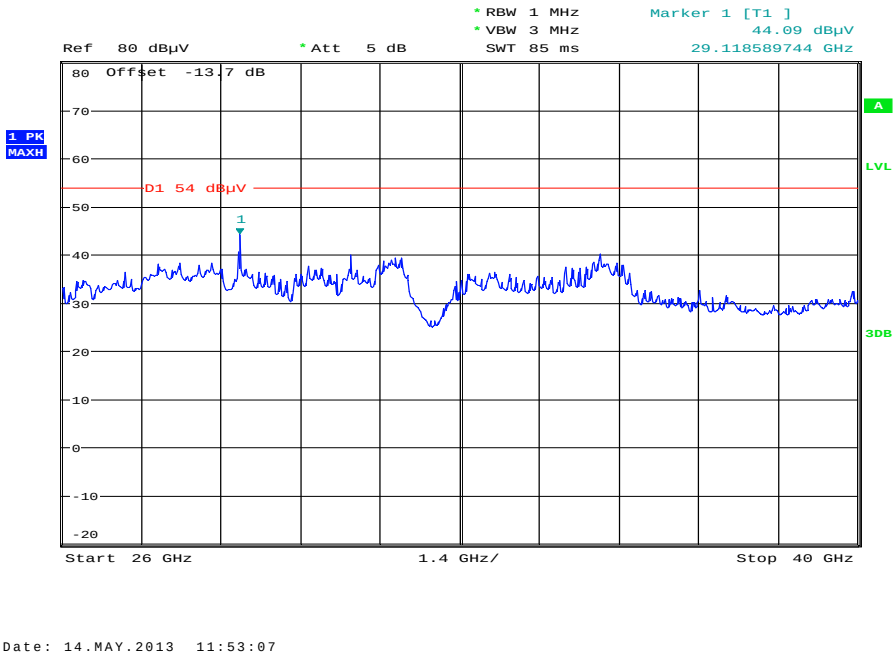
Plot 13: Highest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Plot 14: Highest channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 15: Highest channel, 26 GHz to 40 GHz, vertical & horizontal polarization



Plots: OFDM / n – mode HT20

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

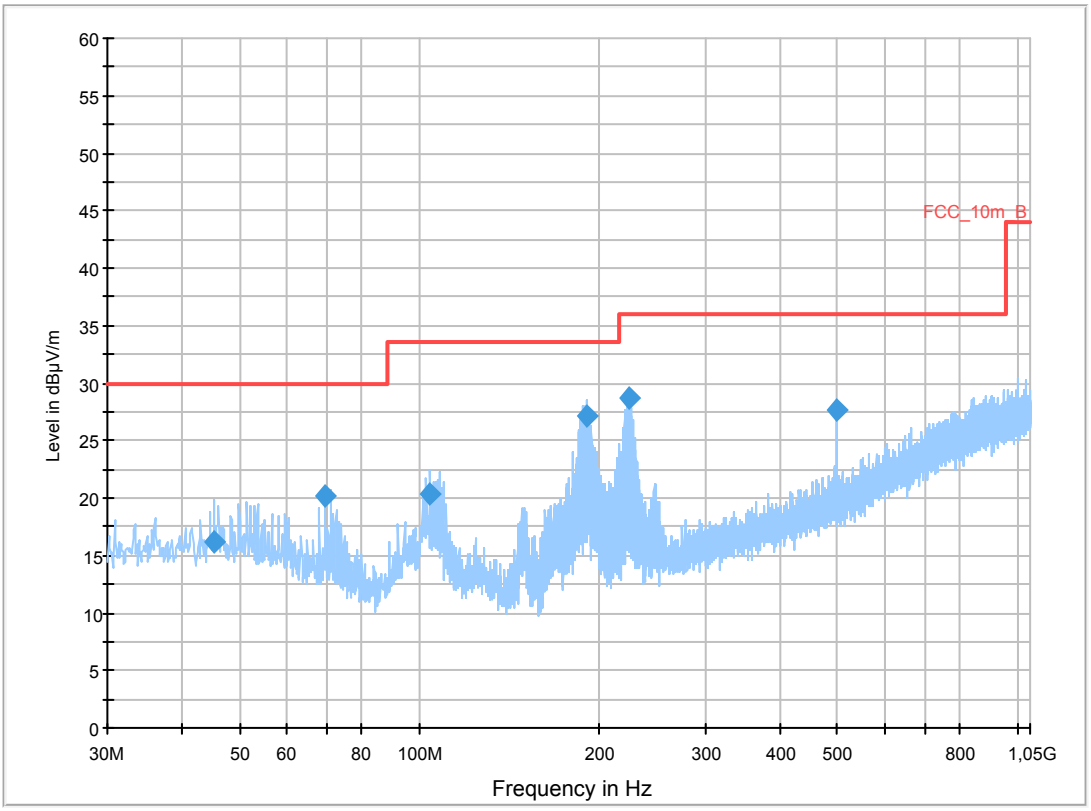
Common Information

EUT:	WLANBV2-A + antenna 453564175981
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan n-mode HT20 ch149
Operator Name:	Wolsdorfer
Comment:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

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

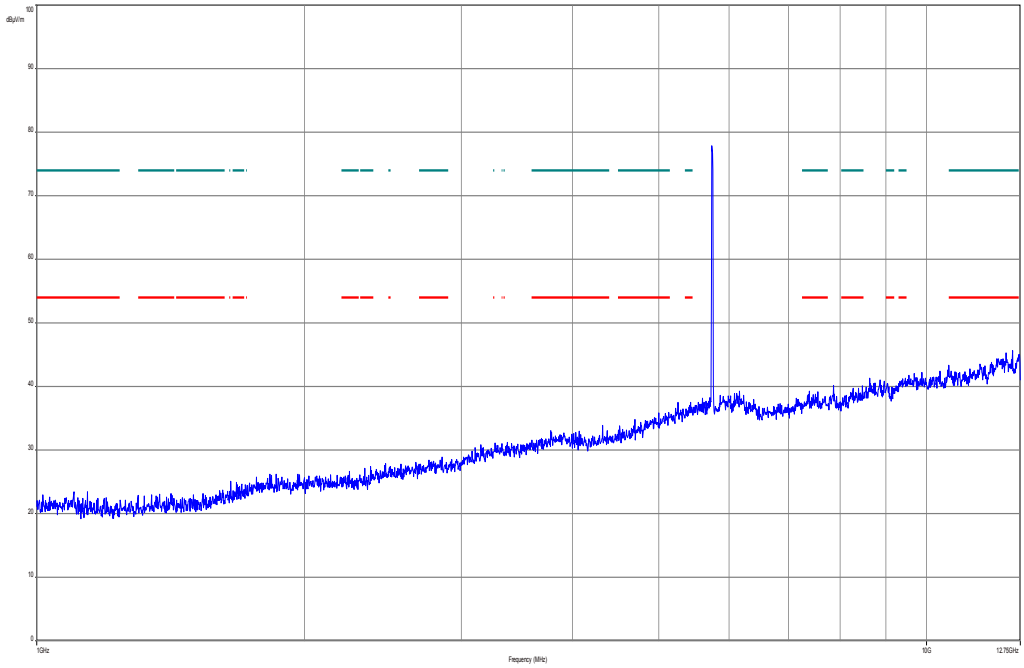
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



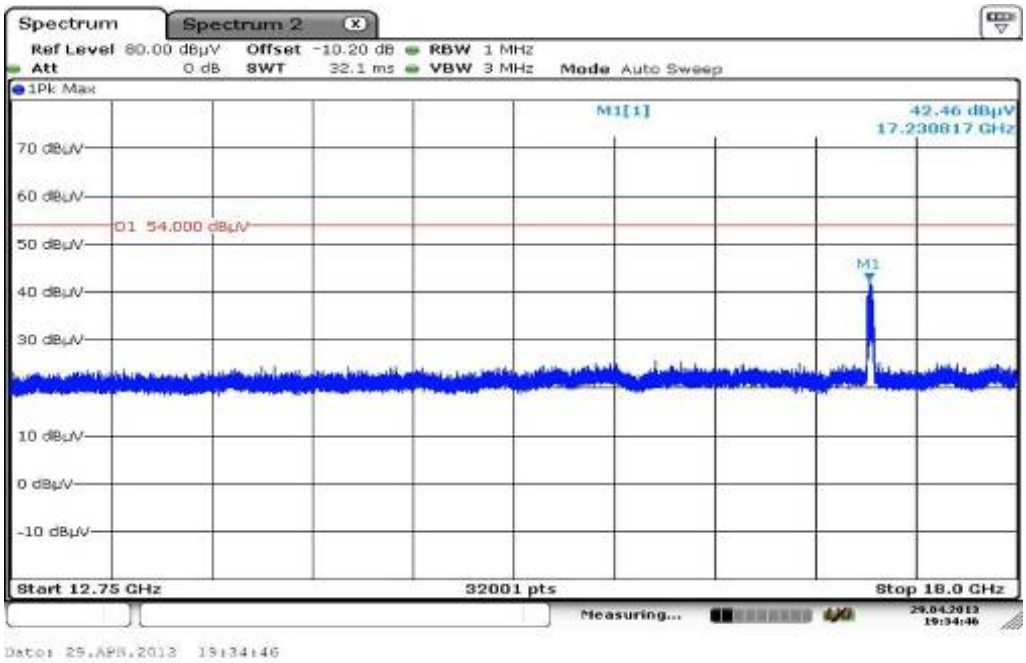
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
45.280200	16.2	1000.0	120.000	98.0	V	10.0	13.3	13.8	30.0	
69.450150	20.1	1000.0	120.000	170.0	V	100.0	9.4	9.9	30.0	
104.163600	20.4	1000.0	120.000	120.0	V	260.0	11.5	13.1	33.5	
191.004900	27.1	1000.0	120.000	104.0	V	265.0	11.1	6.4	33.5	
223.441800	28.7	1000.0	120.000	98.0	V	280.0	12.5	7.3	36.0	
499.996050	27.7	1000.0	120.000	170.0	H	176.0	18.7	8.3	36.0	

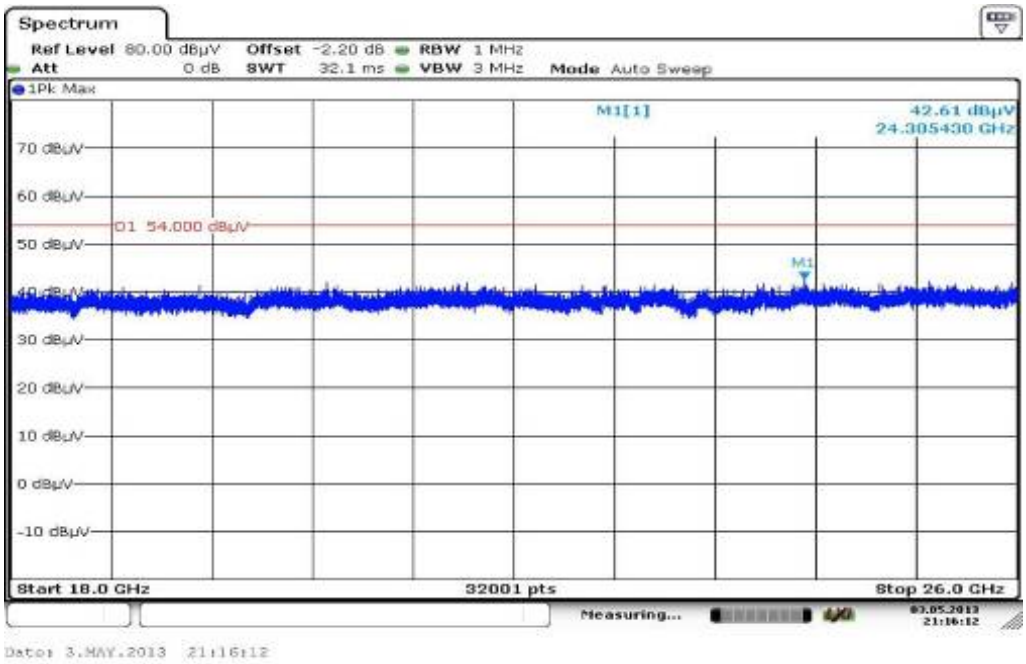
Plot 2: Lowest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



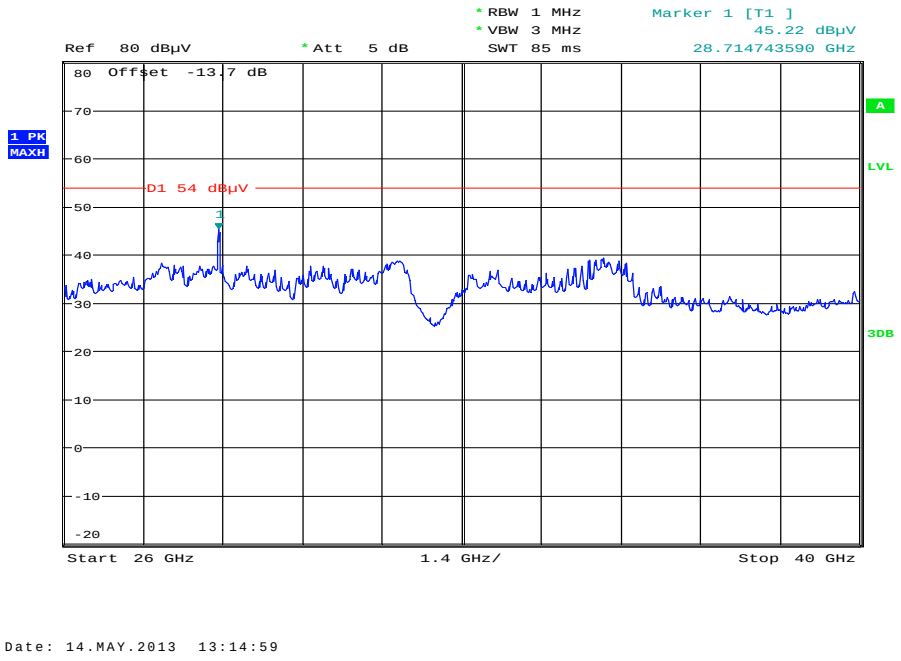
Plot 3: Lowest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



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



Plot 5: Lowest channel, 26 GHz to 40 GHz, vertical & horizontal polarization



Plot 6: Middle channel, 30 MHz to 1 GHz, vertical & horizontal polarization

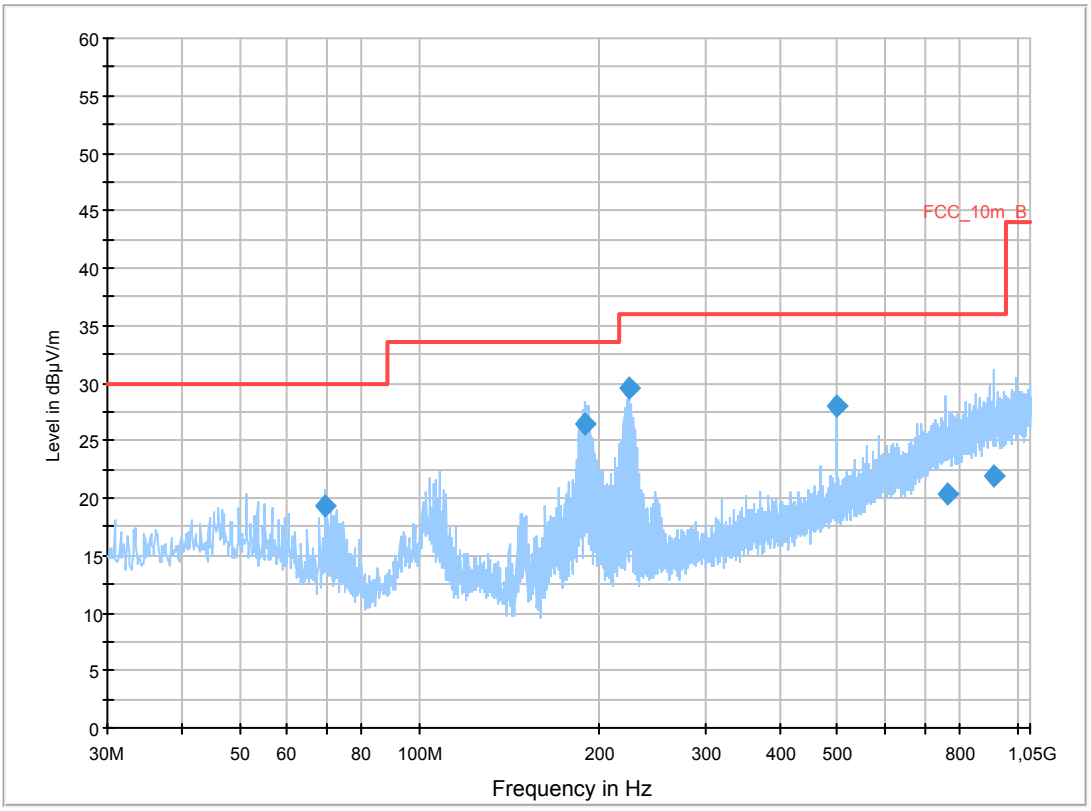
Common Information

EUT:	WLANBV2-A + antenna 453564175981
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan n-mode HT20 ch157
Operator Name:	Wolsdorfer
Comment:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

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

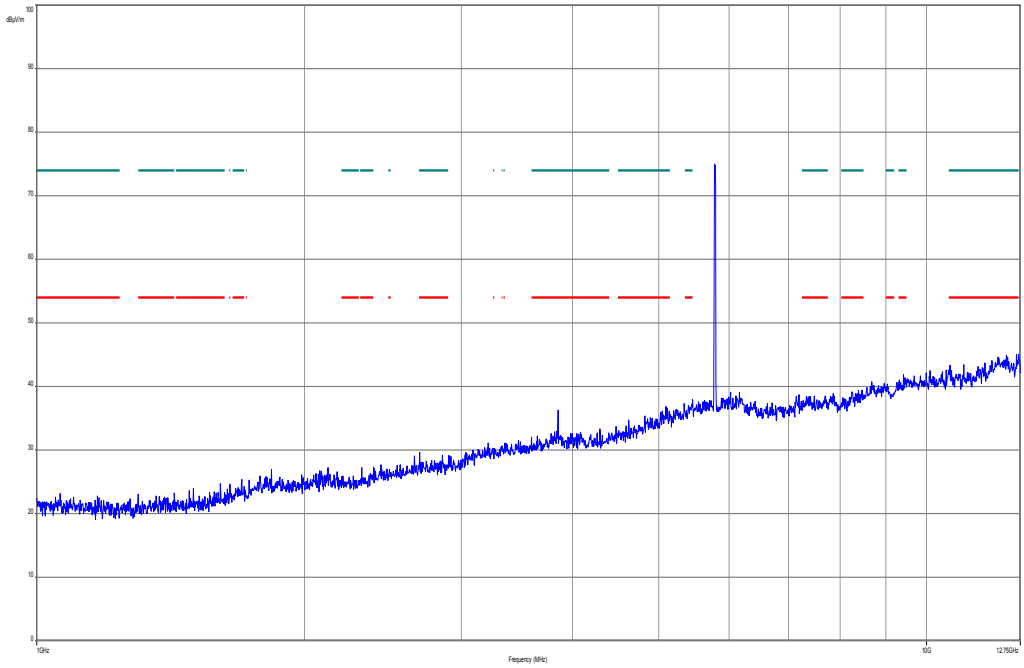
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



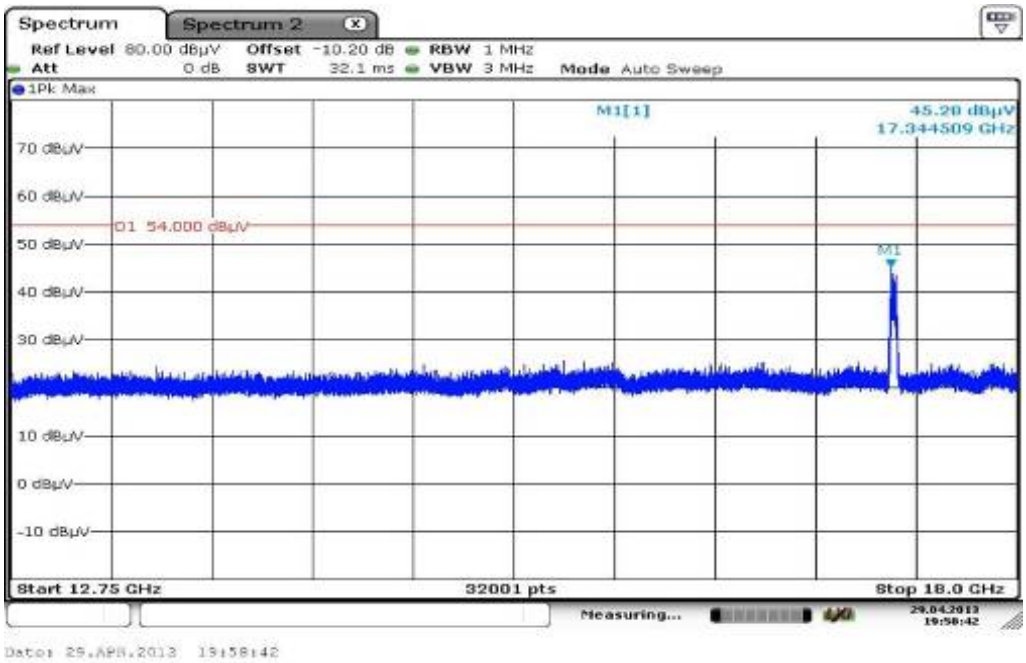
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
69.417000	19.3	1000.0	120.000	170.0	V	100.0	9.4	10.7	30.0	
188.664600	26.4	1000.0	120.000	98.0	V	280.0	11.0	7.1	33.5	
224.160900	29.5	1000.0	120.000	98.0	V	280.0	12.5	6.5	36.0	
499.988700	27.9	1000.0	120.000	170.0	H	-5.0	18.7	8.1	36.0	
760.895100	20.3	1000.0	120.000	170.0	V	280.0	23.7	15.7	36.0	
913.080300	21.9	1000.0	120.000	104.0	V	92.0	25.2	14.1	36.0	

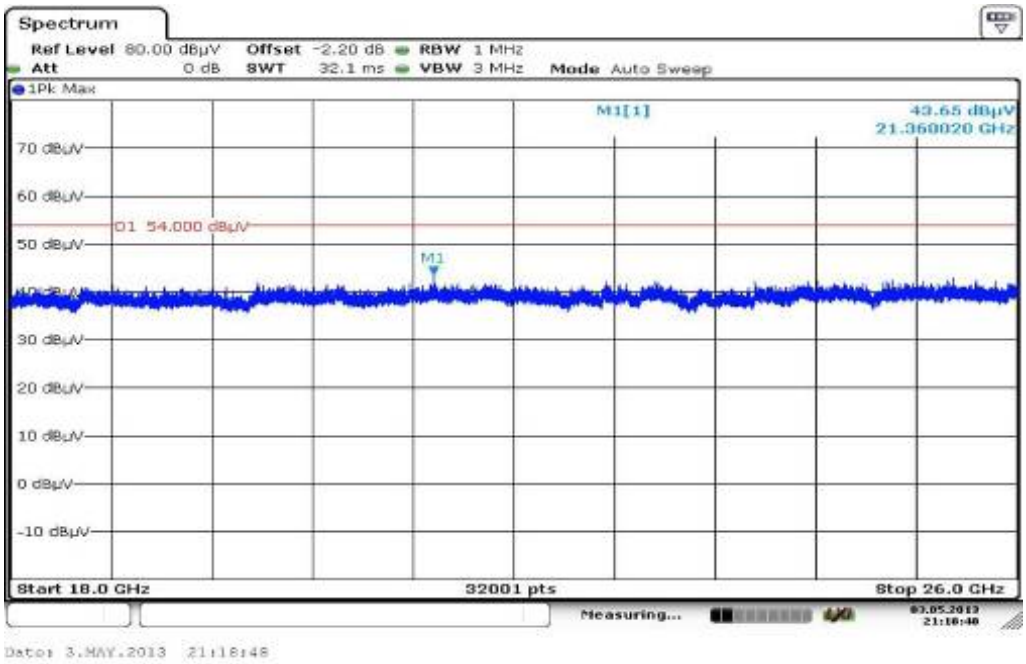
Plot 7: Middle channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



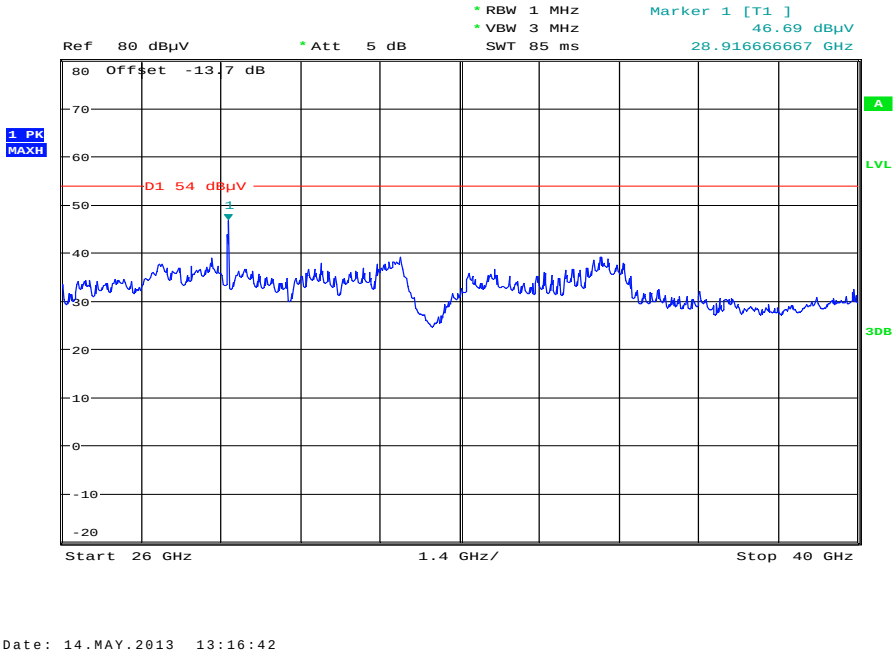
Plot 8: Middle channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Plot 9: Middle channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 10: Middle channel, 26 GHz to 40 GHz, vertical & horizontal polarization



Plot 11: Highest channel, 30 MHz to 1 GHz, vertical & horizontal polarization

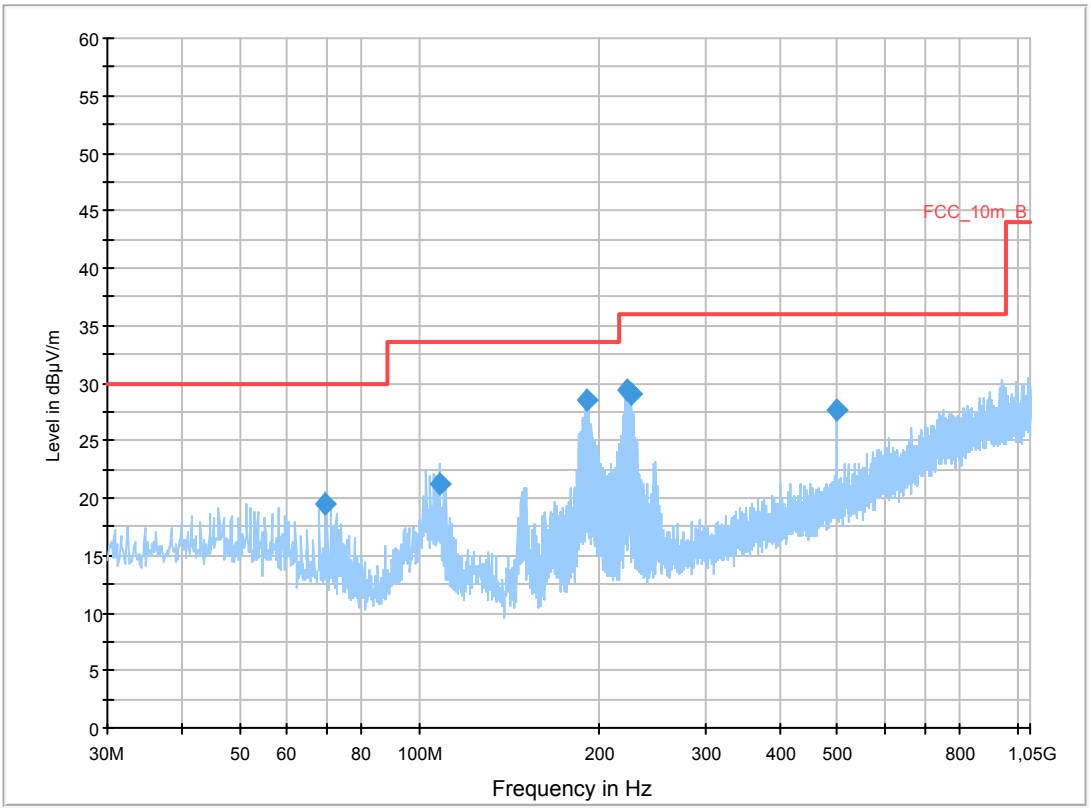
Common Information

EUT:	WLANBV2-A + antenna 453564175981
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan n-mode HT20 ch165
Operator Name:	Wolsdorfer
Comment:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

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

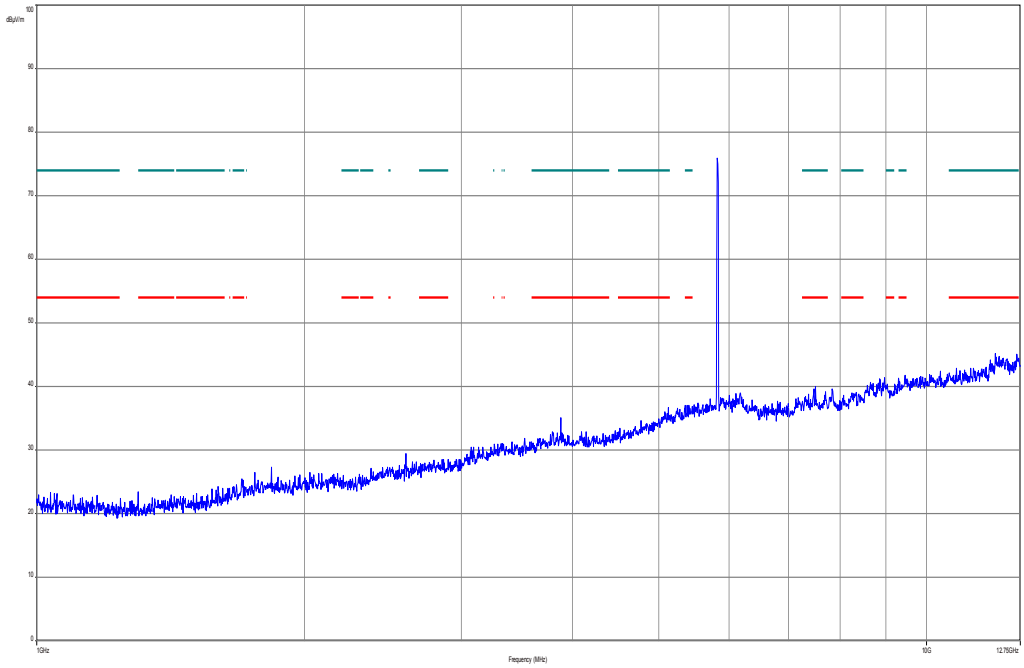
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



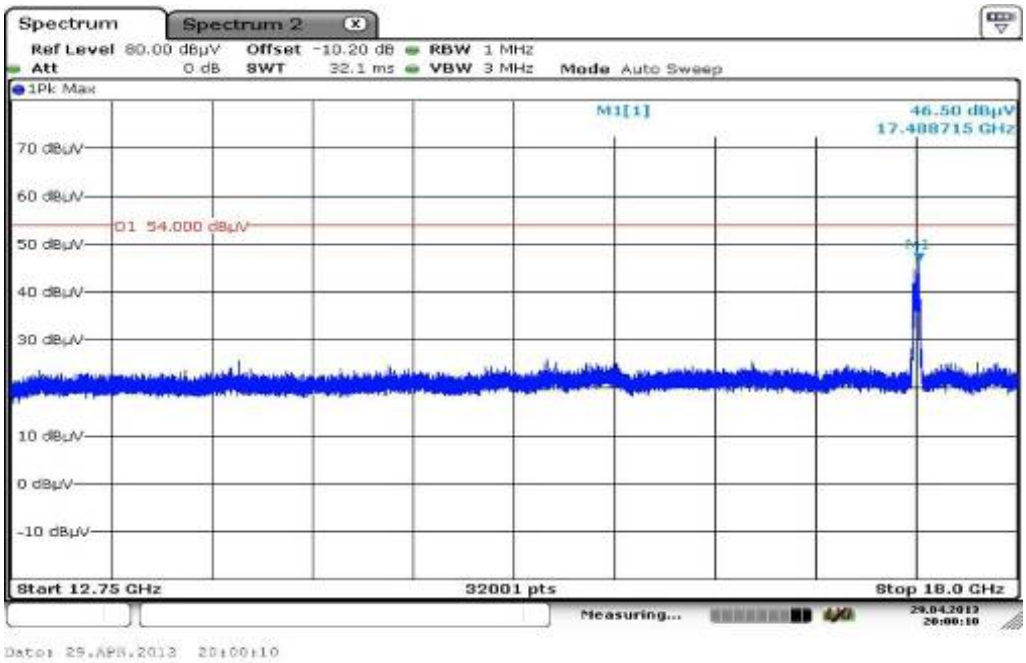
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
69.449700	19.4	1000.0	120.000	170.0	V	175.0	9.4	10.6	30.0	
107.918250	21.3	1000.0	120.000	170.0	V	92.0	11.2	12.2	33.5	
190.202550	28.5	1000.0	120.000	98.0	V	-5.0	11.1	5.0	33.5	
222.631350	29.5	1000.0	120.000	98.0	V	280.0	12.5	6.5	36.0	
224.928150	29.0	1000.0	120.000	143.0	V	280.0	12.5	7.0	36.0	
500.017200	27.6	1000.0	120.000	170.0	H	10.0	18.7	8.4	36.0	

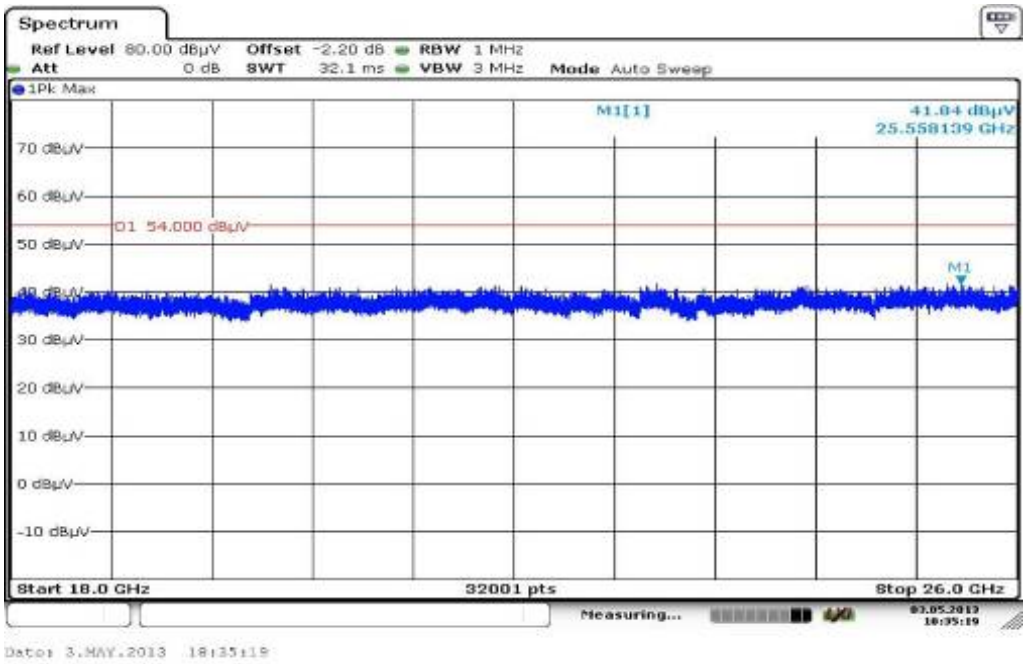
Plot 12: Highest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



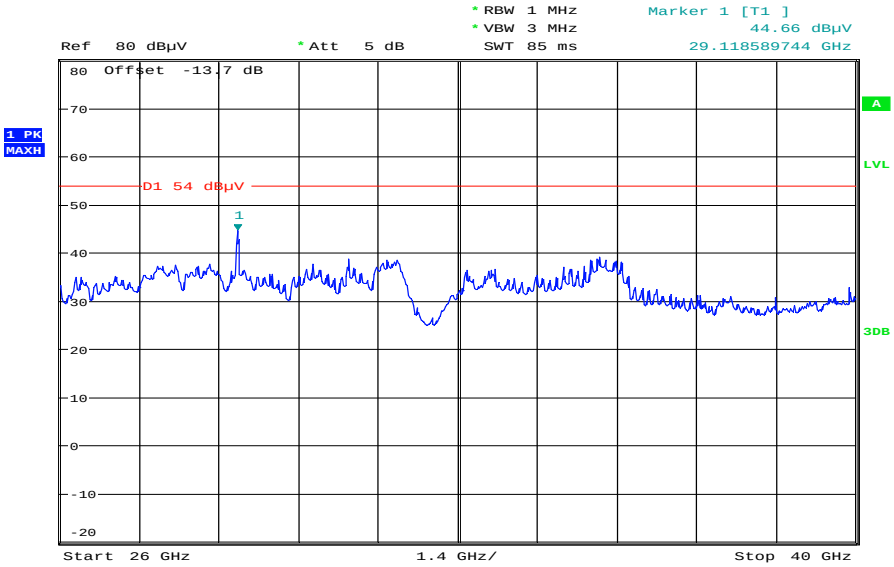
Plot 13: Highest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Plot 14: Highest channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 15: Highest channel, 26 GHz to 40 GHz, vertical & horizontal polarization



Date: 14.MAY.2013 13:17:52

Plots: OFDM / n – mode HT40

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

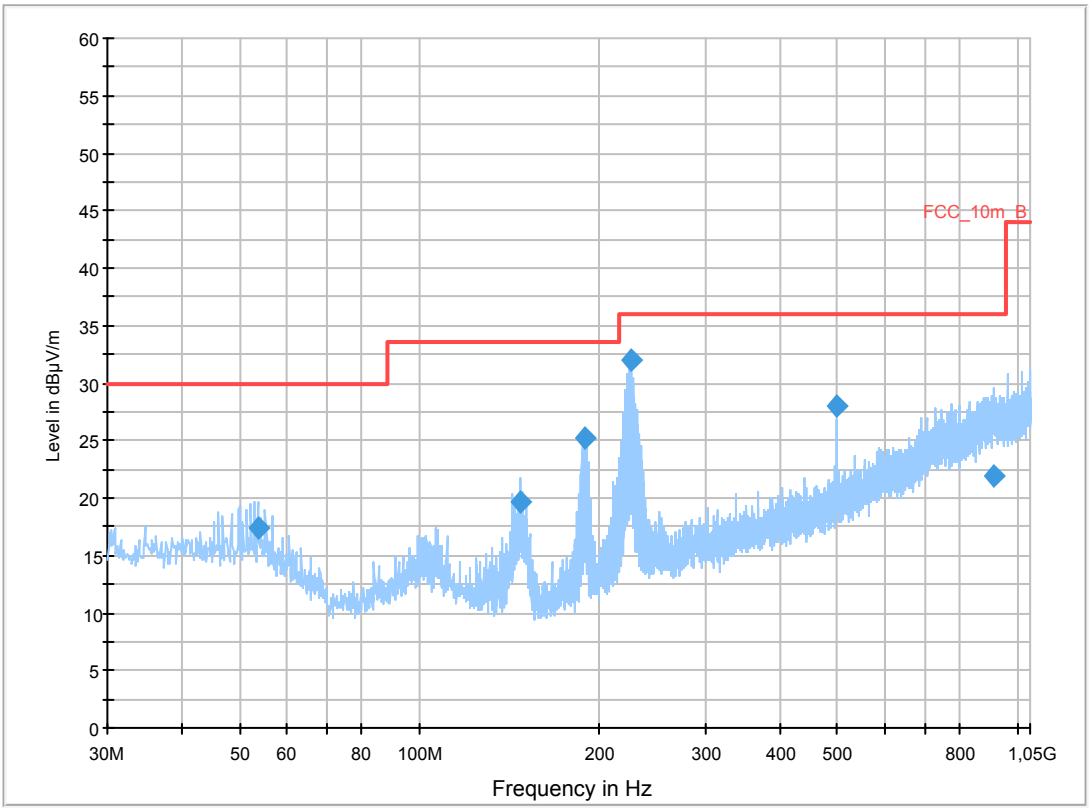
Common Information

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 @ 5745MHz
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

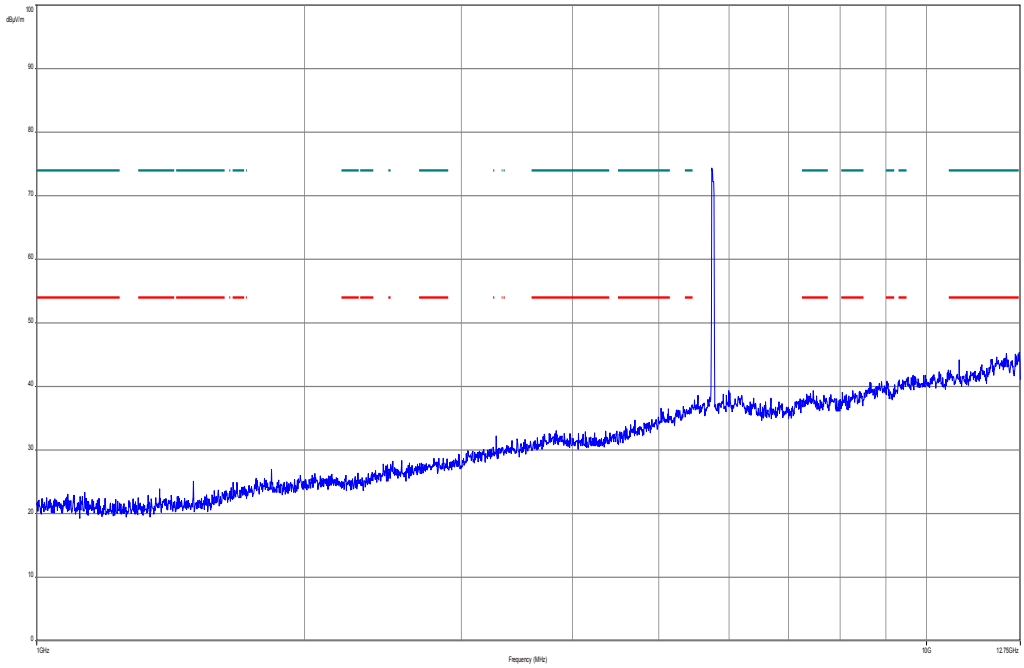
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



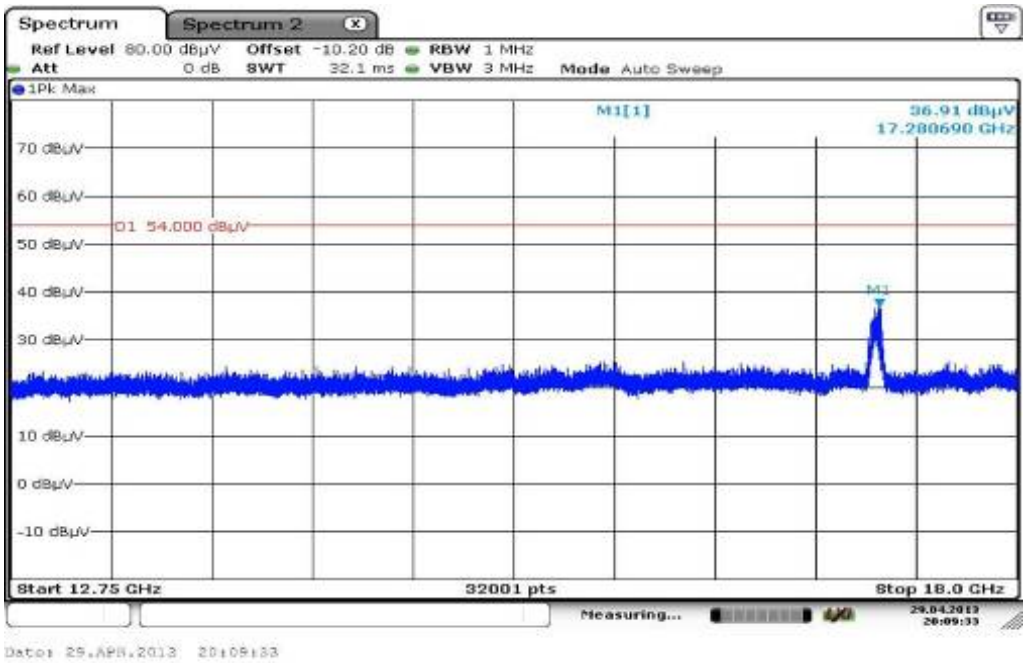
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
53.641350	17.3	1000.0	120.000	170.0	V	180.0	13.0	12.7	30.0	
147.369300	19.7	1000.0	120.000	121.0	V	268.0	8.9	13.8	33.5	
188.903250	25.3	1000.0	120.000	105.0	V	0.0	11.0	8.2	33.5	
225.169950	32.0	1000.0	120.000	170.0	V	80.0	12.6	4.0	36.0	
499.993800	28.1	1000.0	120.000	170.0	H	10.0	18.7	7.9	36.0	
914.814900	21.9	1000.0	120.000	111.0	V	2.0	25.2	14.1	36.0	

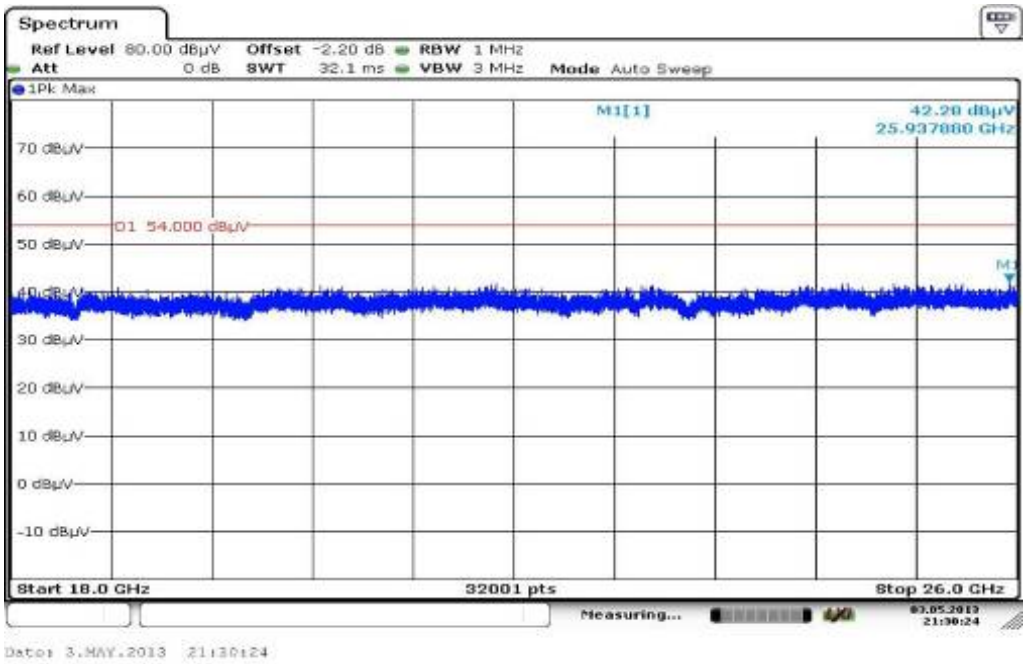
Plot 2: Lowest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



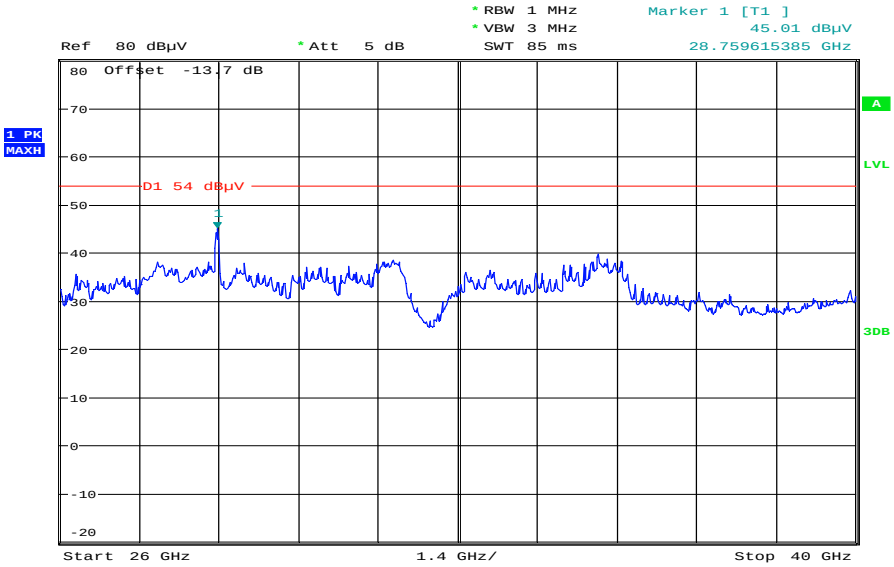
Plot 3: Lowest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



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



Plot 5: Lowest channel, 26 GHz to 40 GHz, vertical & horizontal polarization



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Plot 6: Highest channel, 30 MHz to 1 GHz, vertical & horizontal polarization

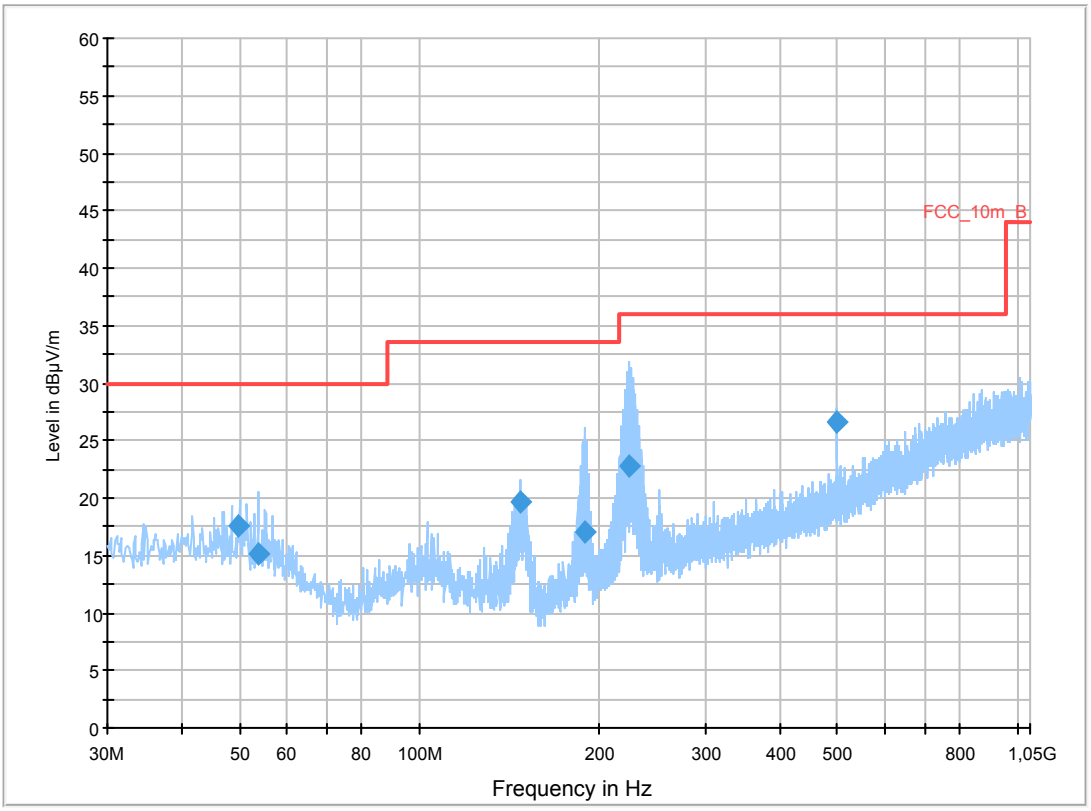
Common Information

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 @ 5795MHz
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

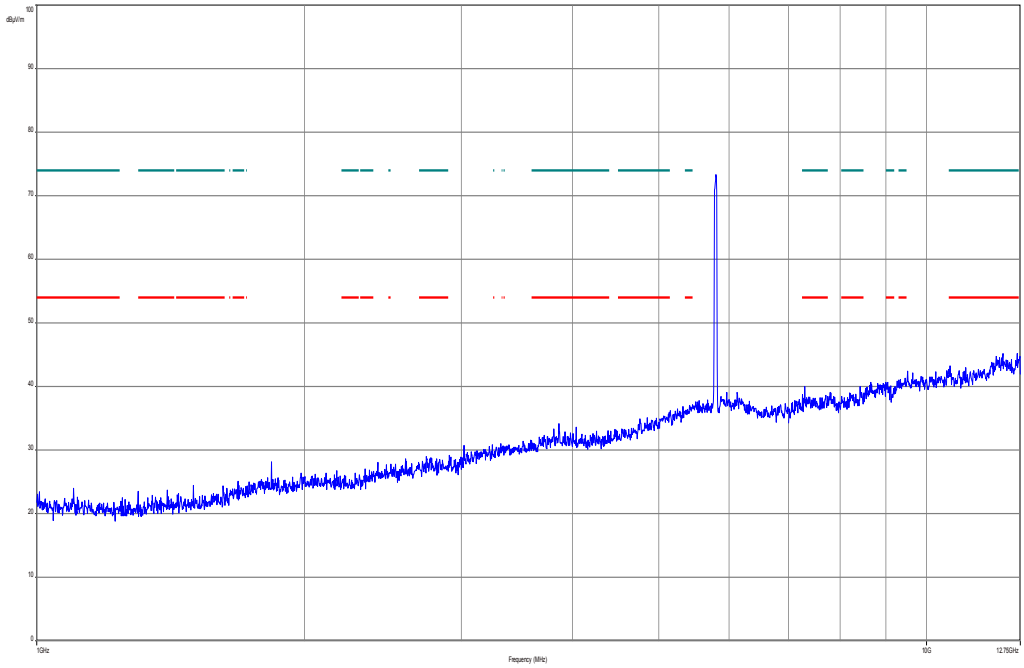
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



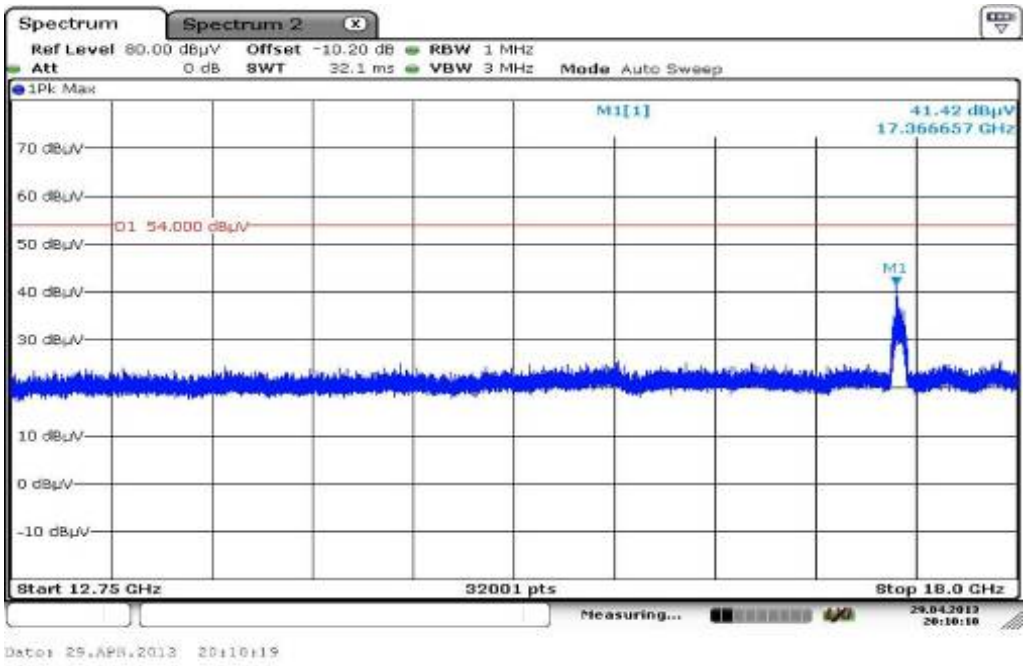
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
49.867350	17.6	1000.0	120.000	98.0	V	-3.0	13.4	12.4	30.0	
53.691150	15.2	1000.0	120.000	98.0	V	190.0	13.0	14.8	30.0	
147.352200	19.7	1000.0	120.000	143.0	V	280.0	8.9	13.8	33.5	
189.016350	17.1	1000.0	120.000	170.0	V	-5.0	11.0	16.4	33.5	
224.557800	22.8	1000.0	120.000	170.0	V	100.0	12.5	13.2	36.0	
499.999950	26.6	1000.0	120.000	170.0	H	190.0	18.7	9.4	36.0	

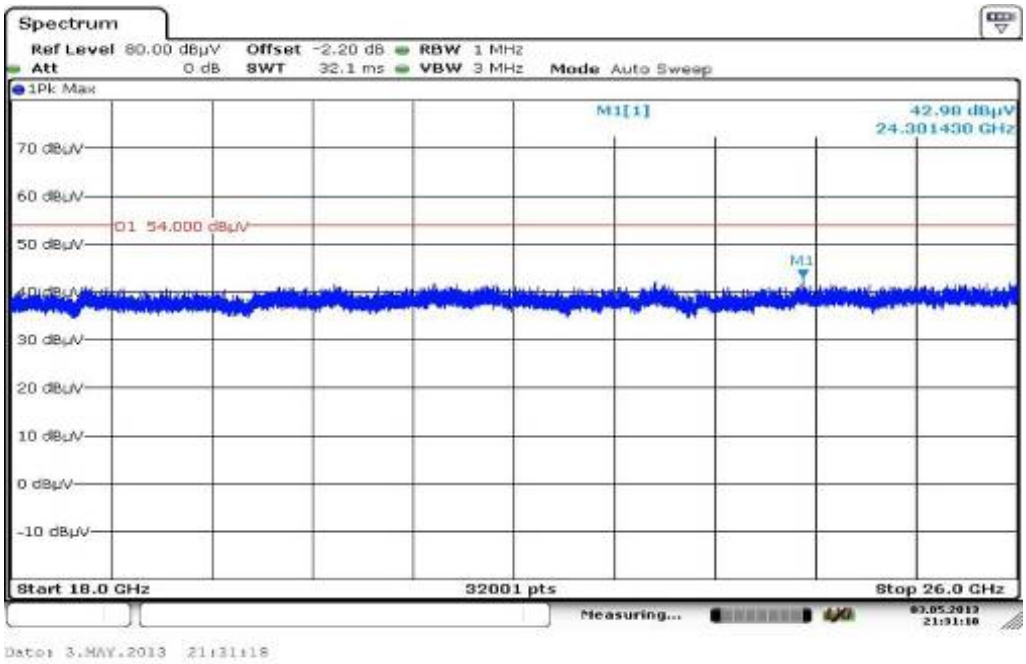
Plot 7: Highest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



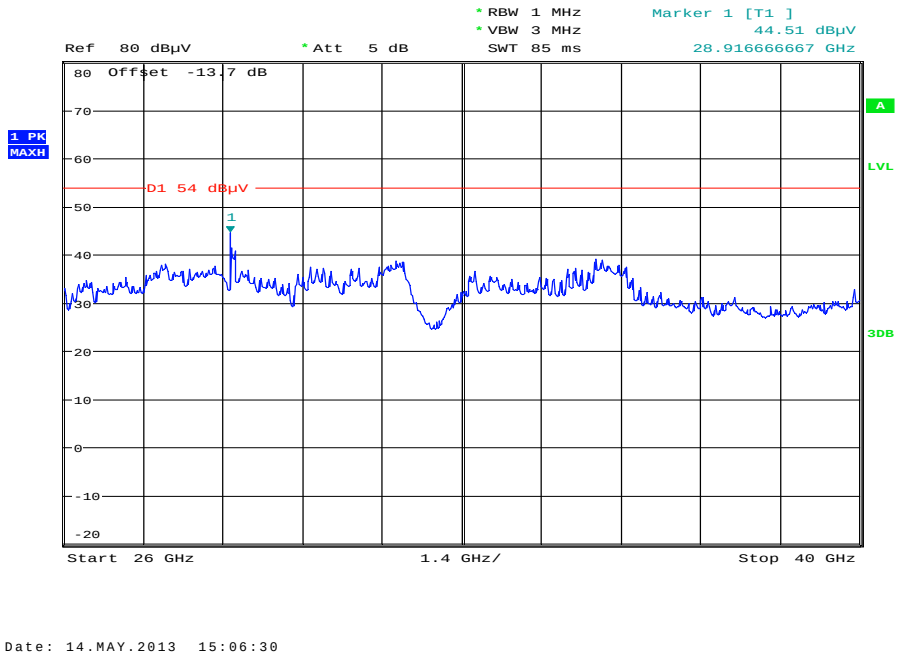
Plot 8: Highest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Plot 9: Highest channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 10: Highest channel, 26 GHz to 40 GHz, vertical & horizontal polarization



Antenna 453564154611:

Results: OFDM / a – mode

TX Spurious Emissions Radiated [dBµV/m]								
OFDM / a – mode								
5745 MHz			5785 MHz			5825 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 HT20								
5745 MHz			5785 MHz			5825 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 HT40								
5755 MHz			5795 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.			-/-		
Measurement uncertainty			± 3 dB					

Result: **Passed**

Note: Results of OFDM n – mode are added to show the compliance with the standard.

Plots: OFDM / a – mode

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

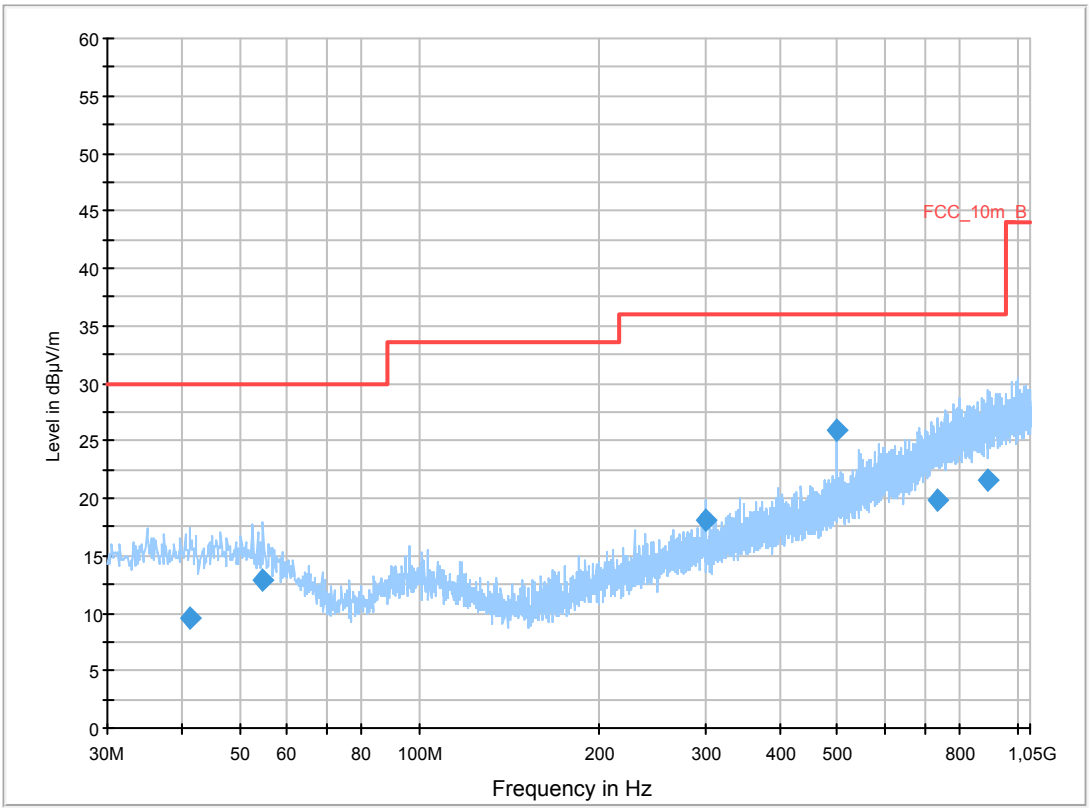
Common Information

EUT:	WLANBV2-A + antenna 453564154611
Serial Number:	
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	WLAN a mode tx @ 5745MHz
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

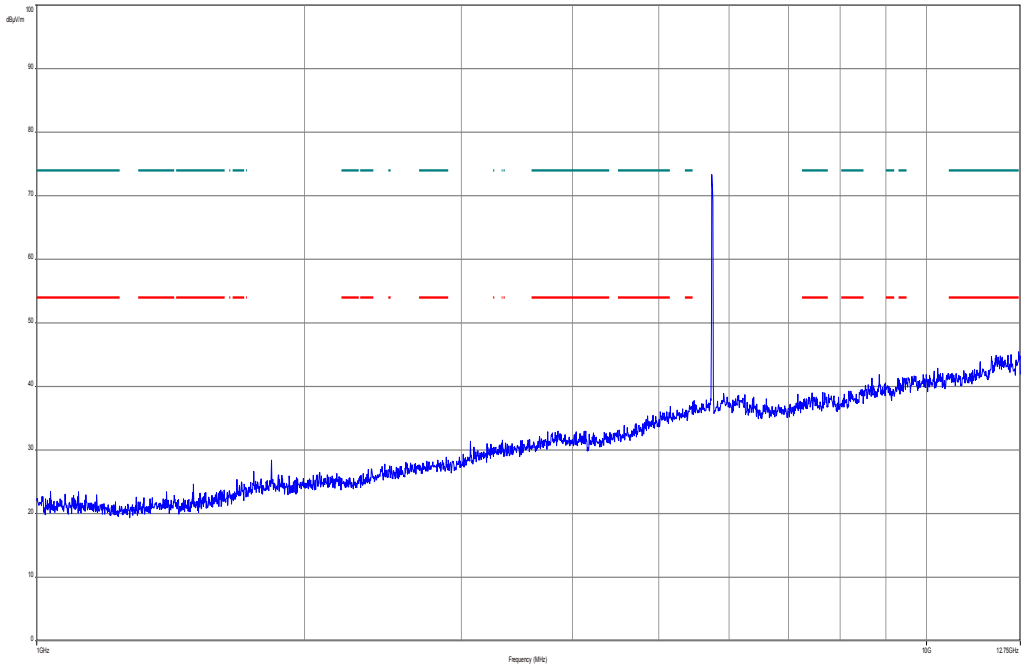
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



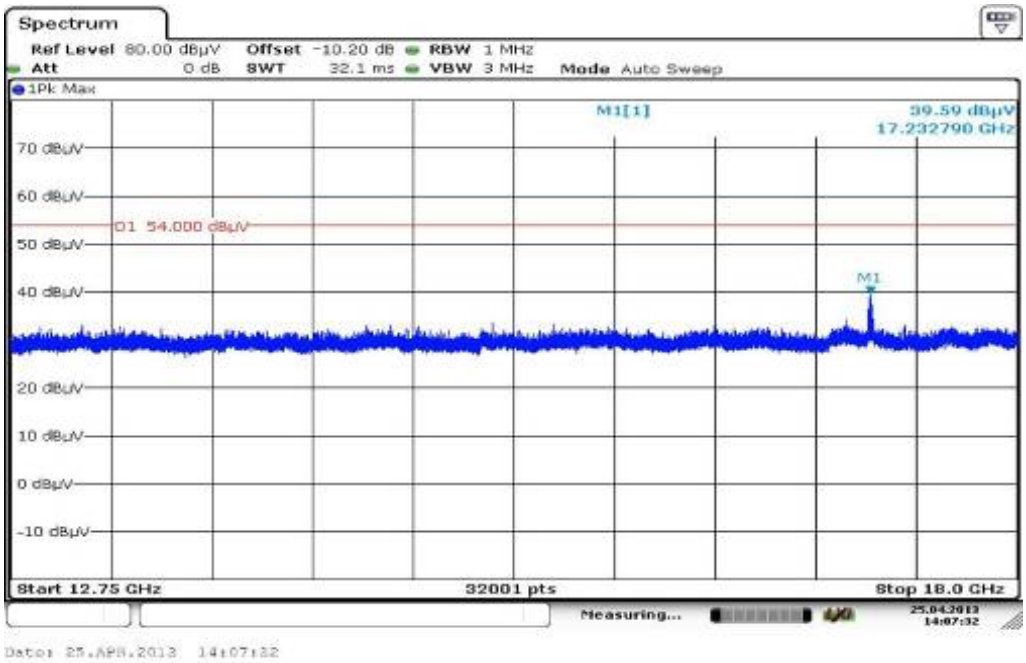
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
41.295150	9.5	1000.0	120.000	170.0	V	265.0	13.4	20.5	30.0	
54.708750	12.9	1000.0	120.000	170.0	V	280.0	12.9	17.1	30.0	
300.005850	18.1	1000.0	120.000	104.0	V	100.0	14.5	17.9	36.0	
500.034150	25.9	1000.0	120.000	98.0	V	261.0	18.7	10.1	36.0	
736.310550	19.9	1000.0	120.000	162.0	V	2.0	23.3	16.1	36.0	
893.682750	21.6	1000.0	120.000	170.0	V	10.0	25.1	14.4	36.0	

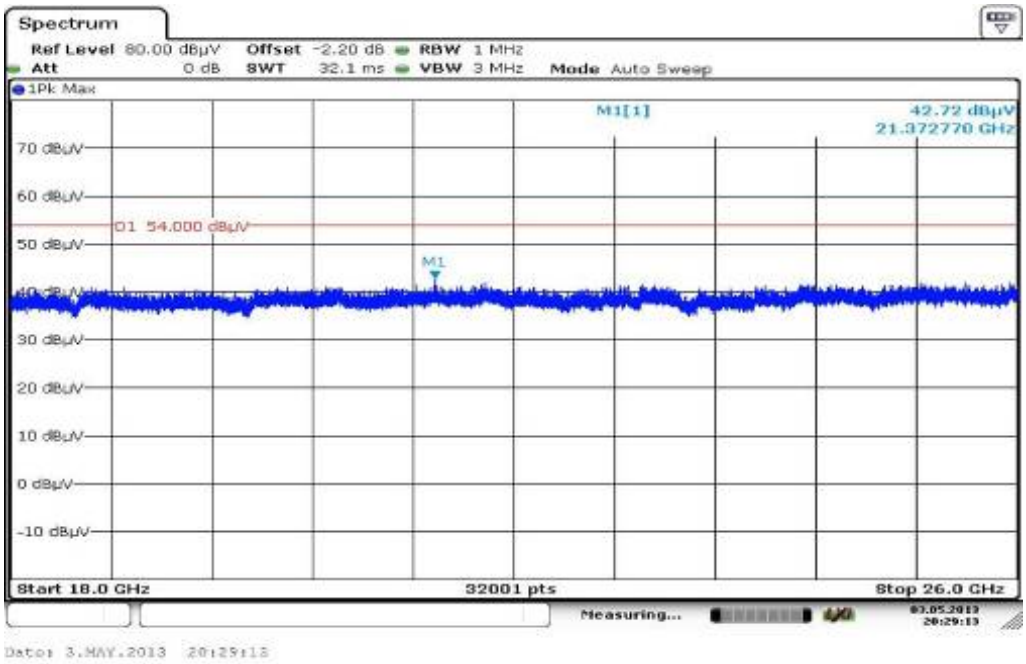
Plot 2: Lowest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



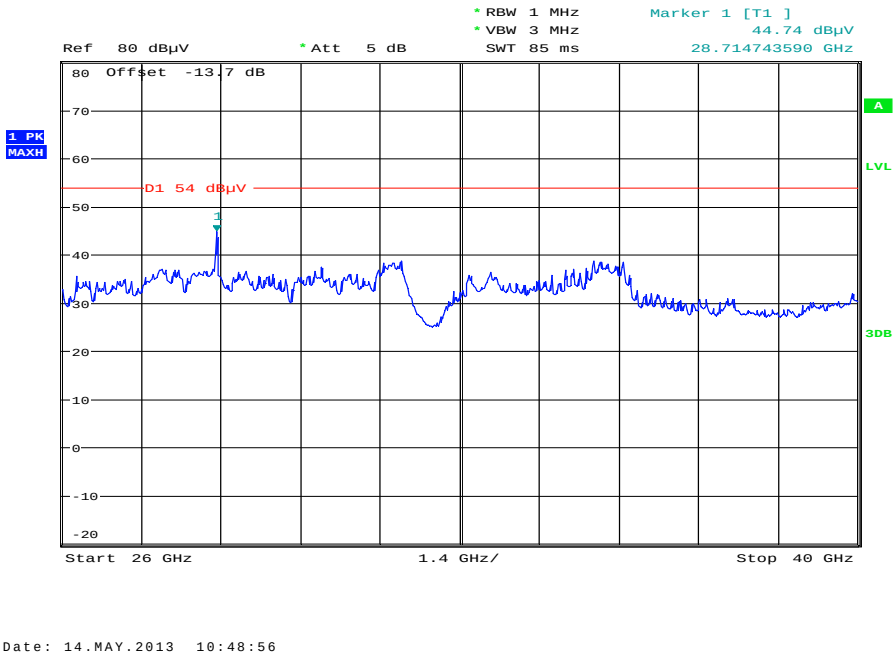
Plot 3: Lowest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



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



Plot 5: Lowest channel, 26 GHz to 40 GHz, vertical & horizontal polarization



Plot 6: Middle channel, 30 MHz to 1 GHz, vertical & horizontal polarization

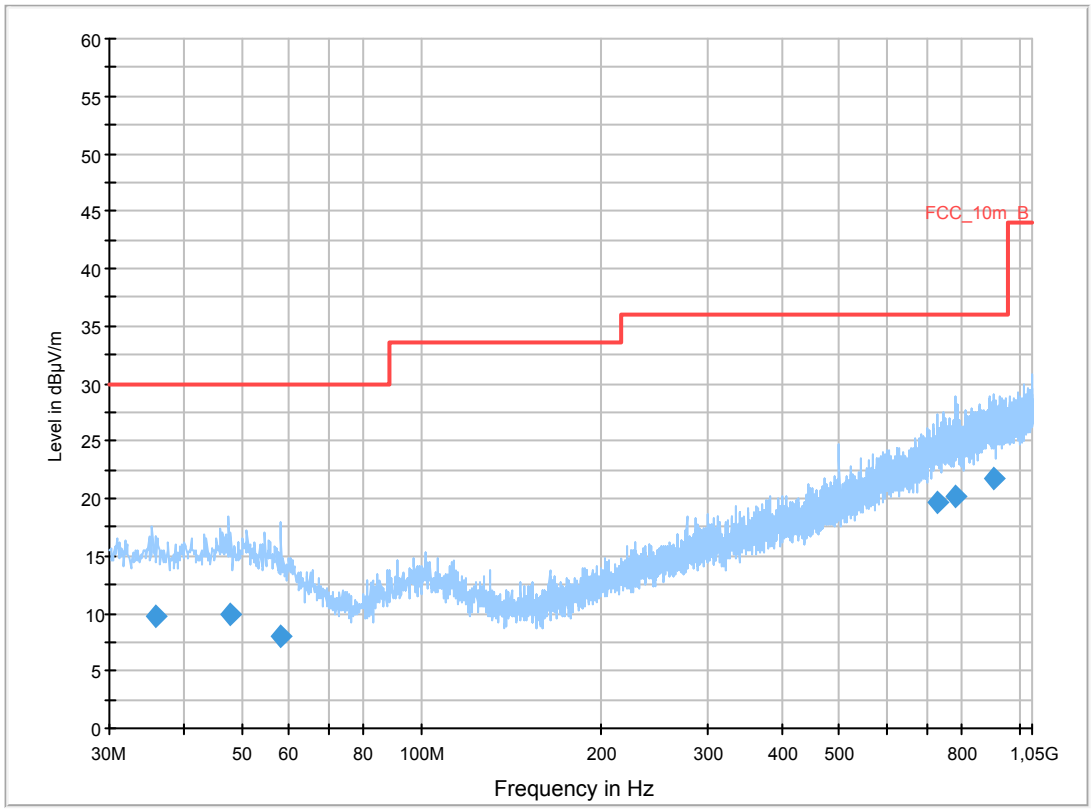
Common Information

EUT:	WLANBV2-A + antenna 453564154611
Serial Number:	
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	WLAN a mode tx @ 5785MHz
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

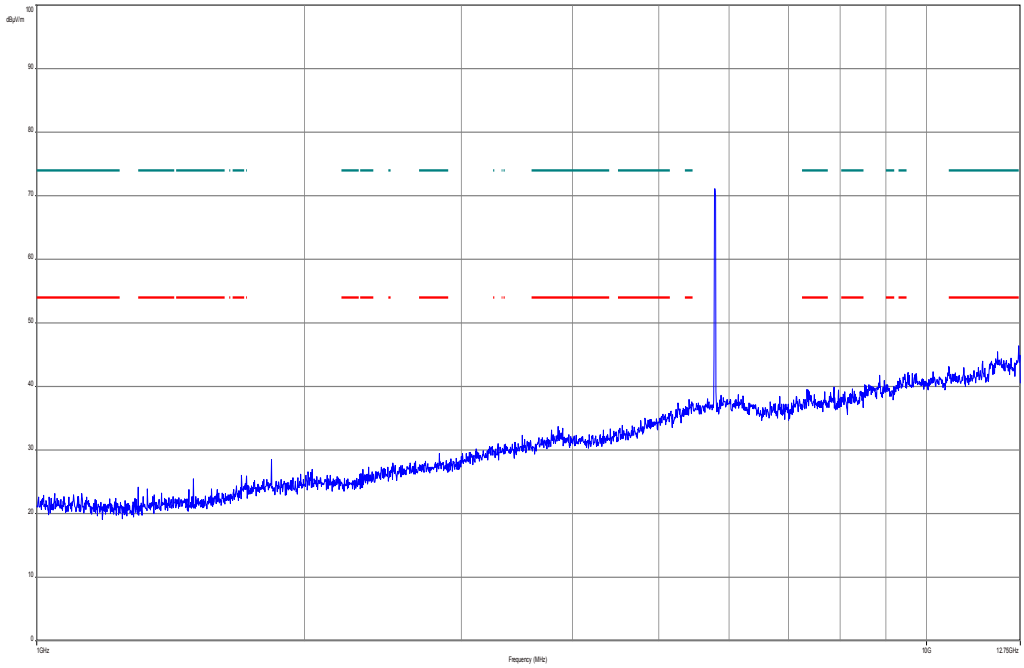
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



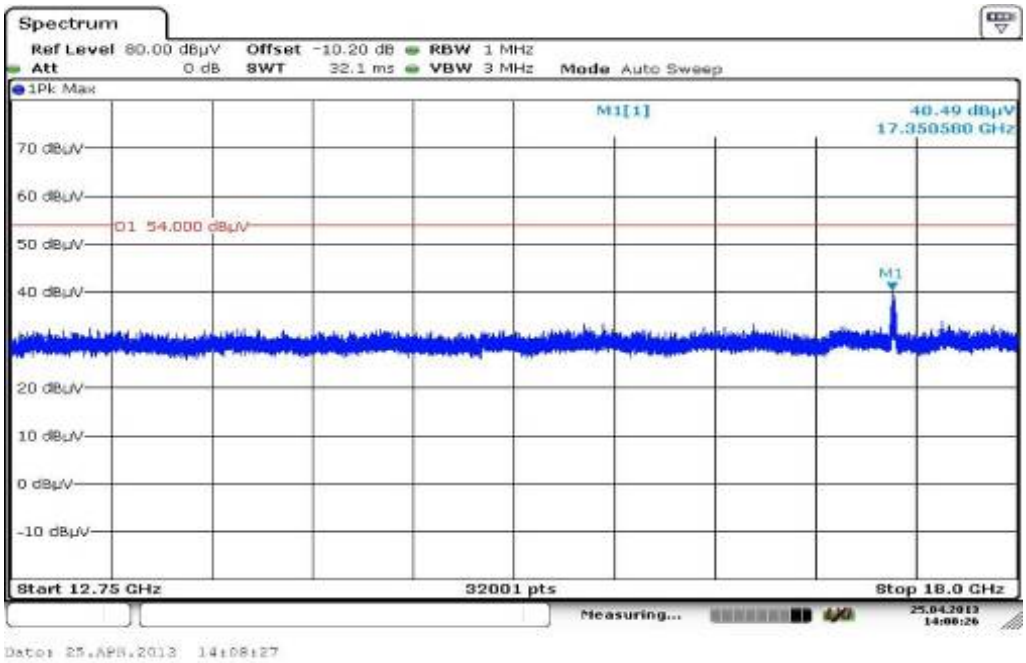
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
35.920950	9.8	1000.0	120.000	170.0	V	10.0	13.1	20.2	30.0	
47.833350	10.0	1000.0	120.000	170.0	V	-5.0	13.3	20.0	30.0	
58.091100	8.0	1000.0	120.000	119.0	V	-5.0	12.1	22.0	30.0	
729.769950	19.7	1000.0	120.000	170.0	H	265.0	23.2	16.3	36.0	
782.180250	20.1	1000.0	120.000	170.0	V	171.0	23.7	15.9	36.0	
907.996350	21.7	1000.0	120.000	170.0	V	171.0	25.2	14.3	36.0	

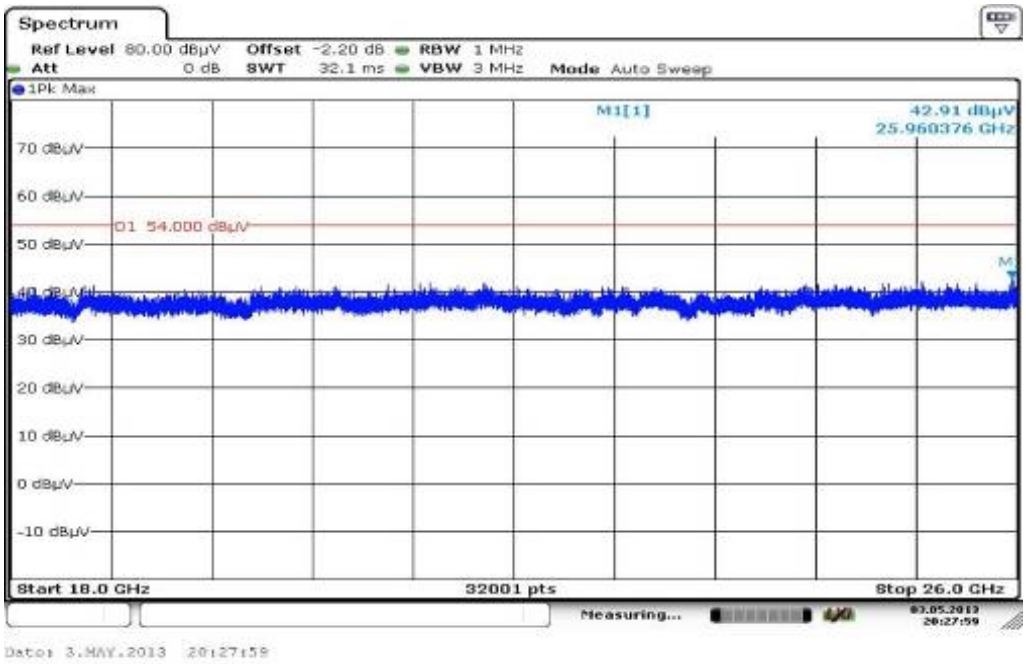
Plot 7: Middle channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



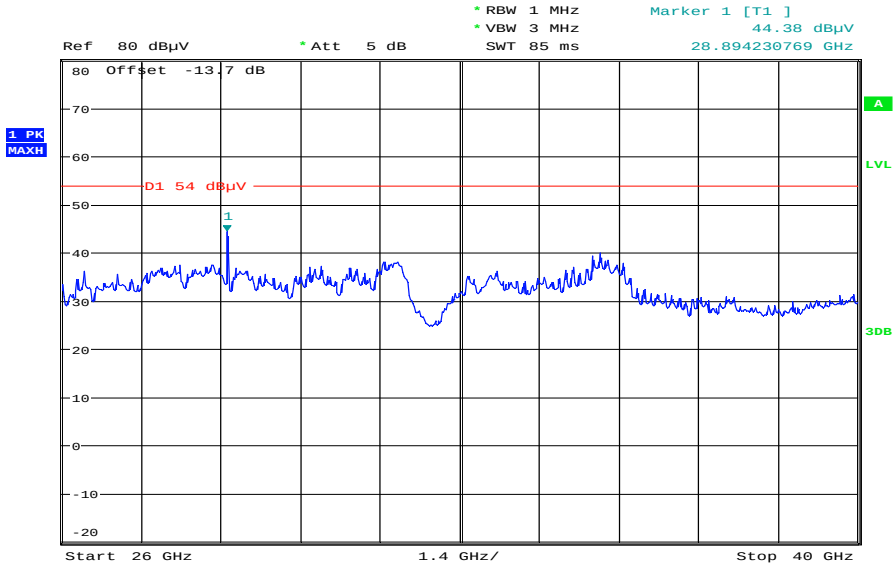
Plot 8: Middle channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Plot 9: Middle channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 10: Middle channel, 26 GHz to 40 GHz, vertical & horizontal polarization



Date: 14.MAY.2013 10:49:59

Plot 11: Highest channel, 30 MHz to 1 GHz, vertical & horizontal polarization

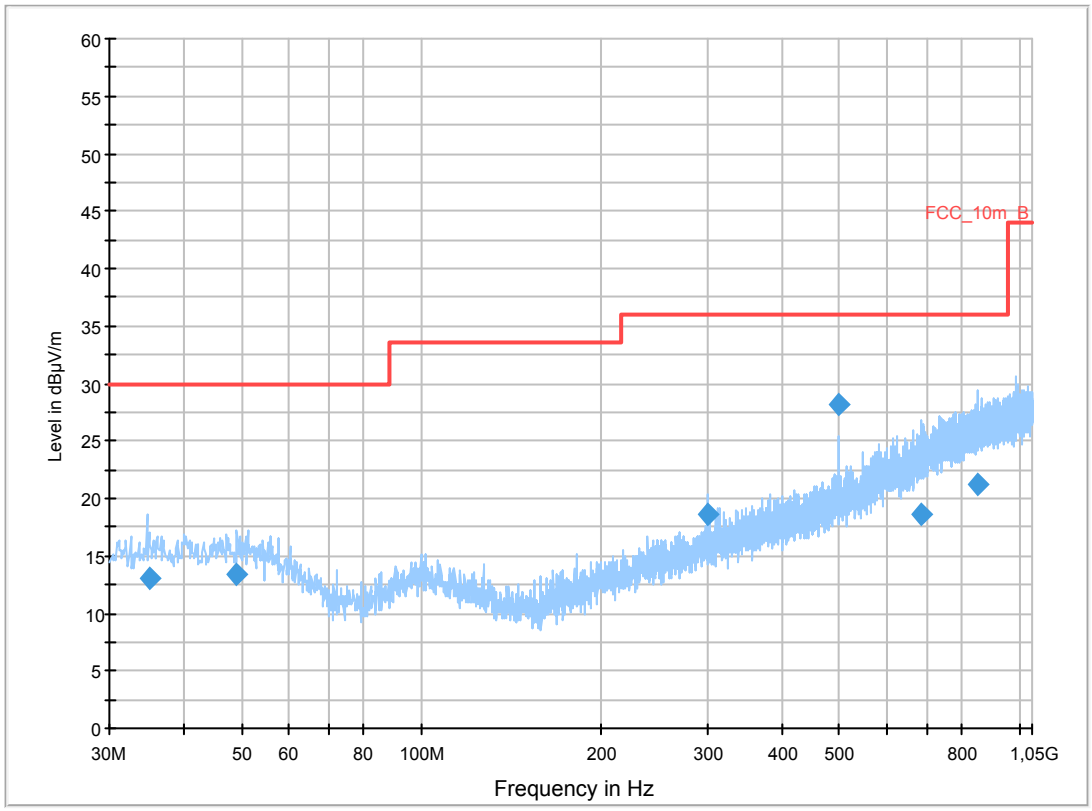
Common Information

EUT:	WLANBV2-A + antenna 453564154611
Serial Number:	
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	WLAN a mode tx @ 5825MHz
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

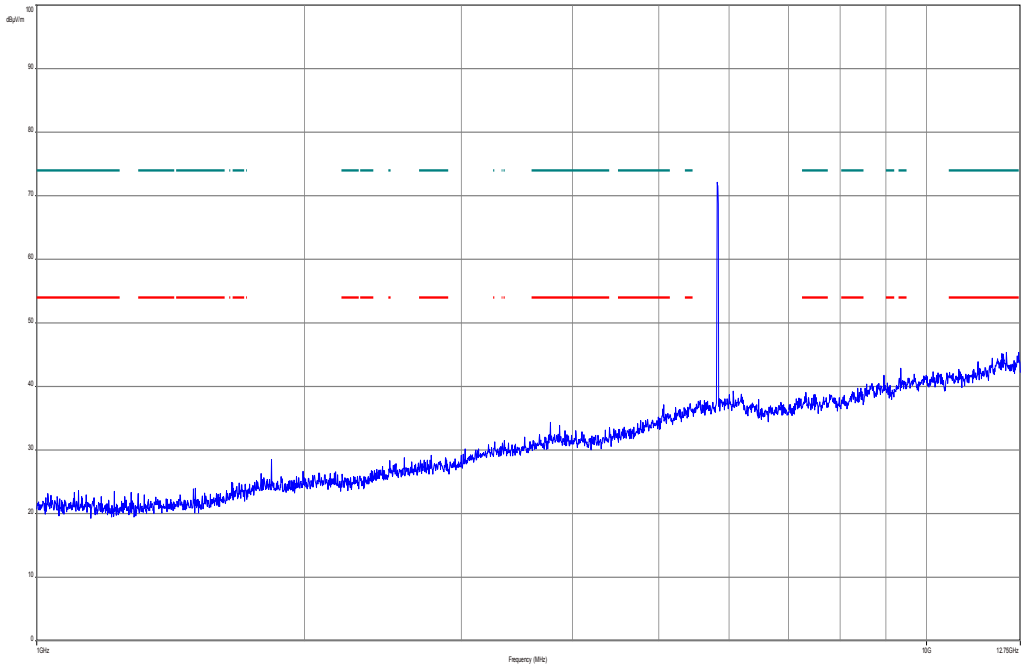
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



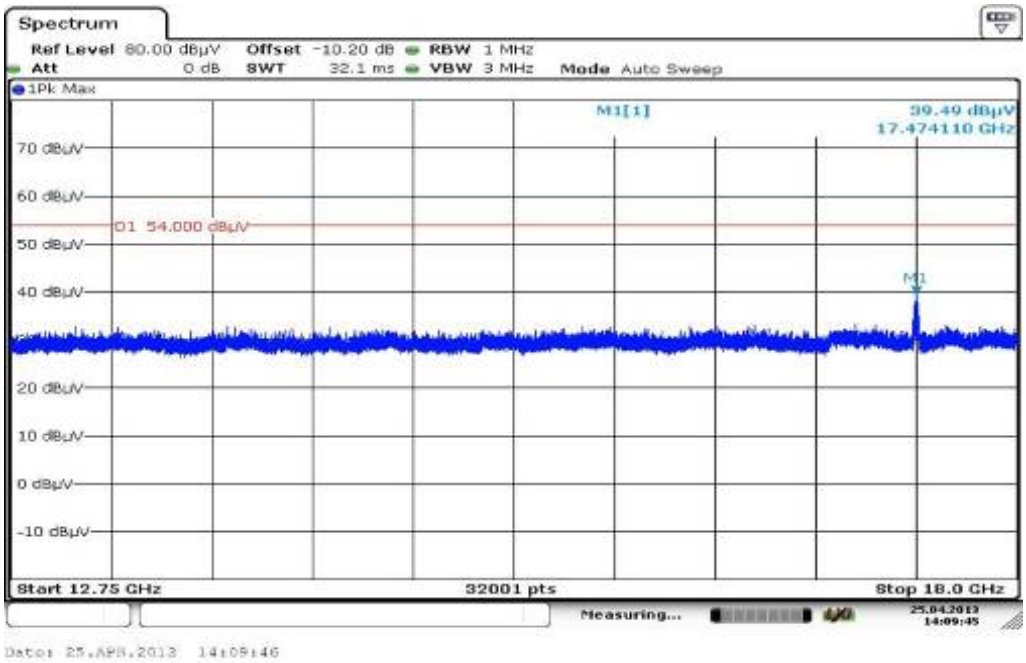
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
35.029950	13.0	1000.0	120.000	111.0	V	178.0	13.0	17.0	30.0	
49.071000	13.5	1000.0	120.000	166.0	V	190.0	13.4	16.5	30.0	
300.007500	18.6	1000.0	120.000	113.0	V	80.0	14.5	17.4	36.0	
500.010600	28.2	1000.0	120.000	98.0	V	10.0	18.7	7.8	36.0	
682.696050	18.6	1000.0	120.000	166.0	H	190.0	22.0	17.4	36.0	
848.921400	21.2	1000.0	120.000	166.0	V	10.0	24.5	14.8	36.0	

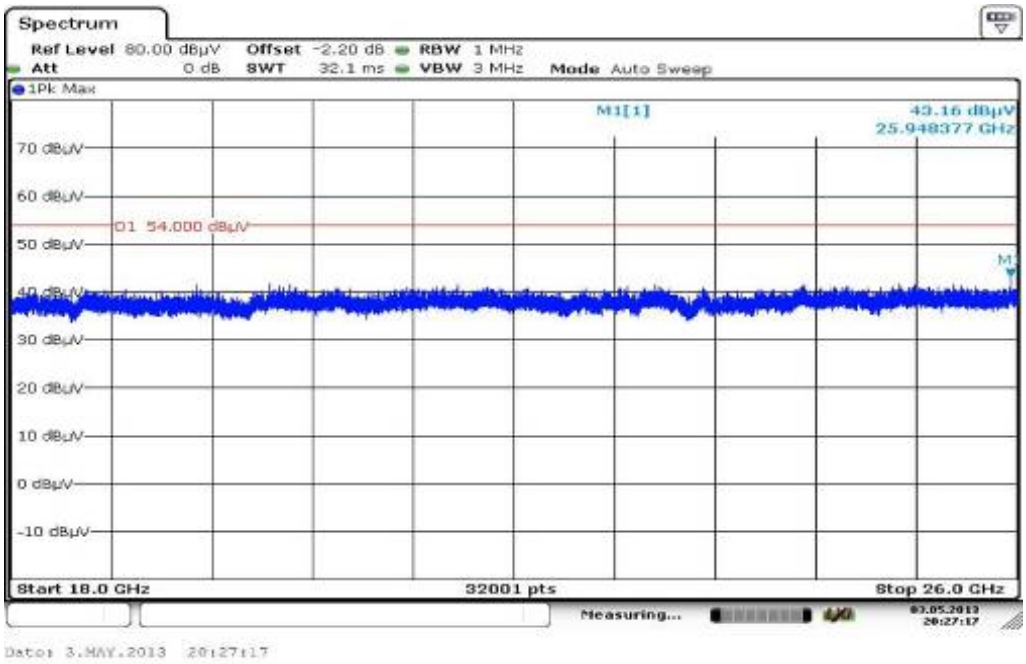
Plot 12: Highest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



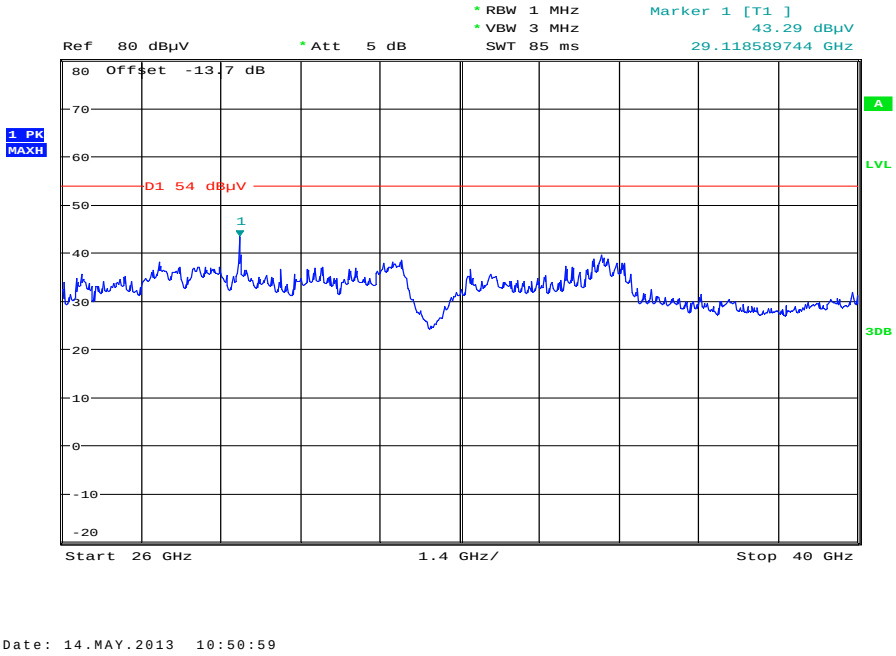
Plot 13: Highest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Plot 14: Highest channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 15: Highest channel, 26 GHz to 40 GHz, vertical & horizontal polarization



Plots: OFDM / n – mode HT20

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

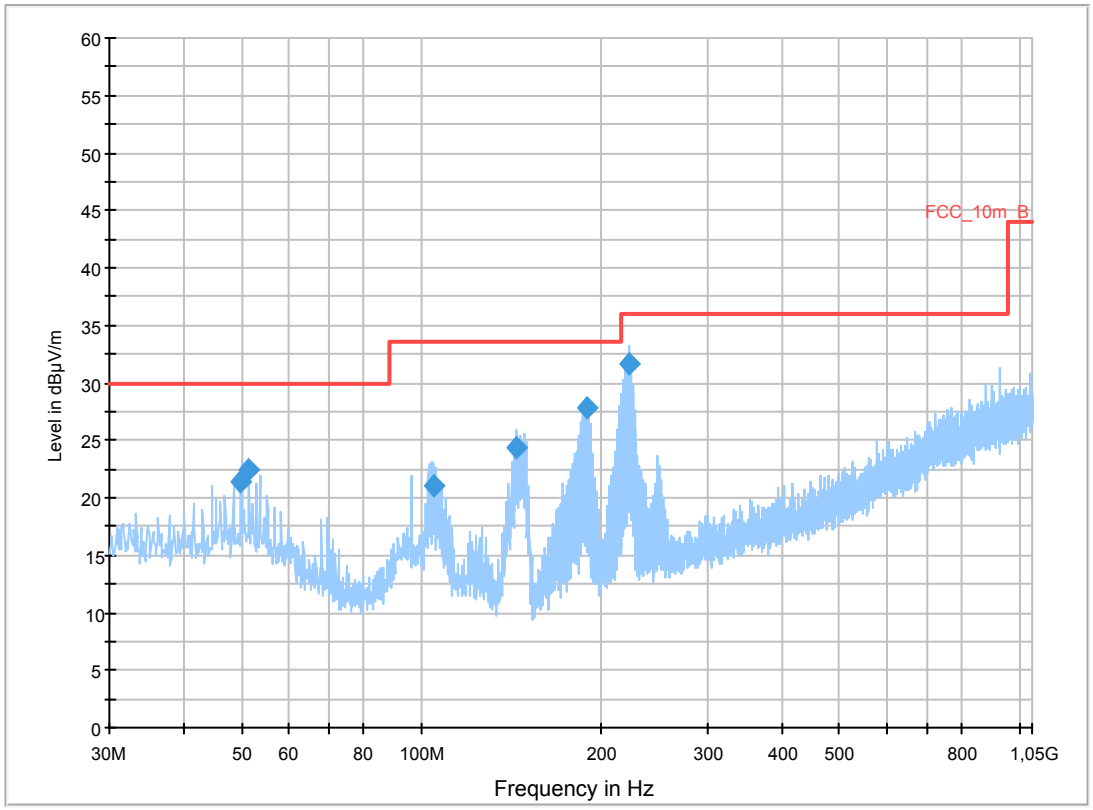
Common Information

EUT:	WLANBV2-A + antenna 453564154611
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan n-mode HT20 ch147
Operator Name:	Wolsdorfer
Comment:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

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

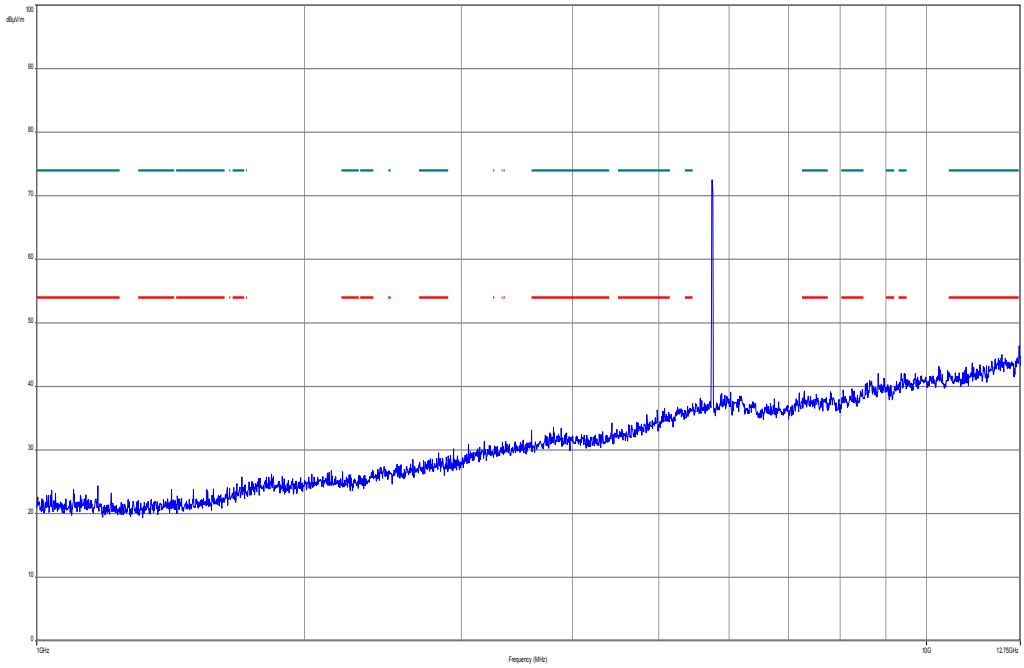
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



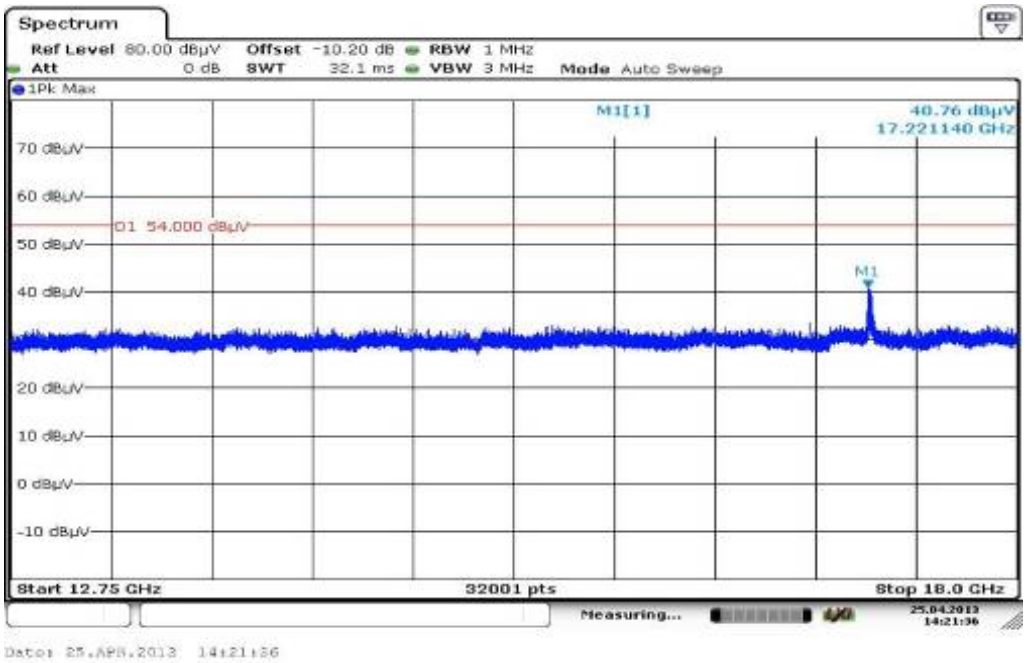
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
49.875600	21.4	1000.0	120.000	98.0	V	180.0	13.4	8.6	30.0	
51.374250	22.5	1000.0	120.000	98.0	V	100.0	13.2	7.5	30.0	
104.284650	21.1	1000.0	120.000	132.0	V	272.0	11.5	12.4	33.5	
144.312600	24.4	1000.0	120.000	98.0	V	-10.0	8.8	9.1	33.5	
188.157150	27.8	1000.0	120.000	98.0	V	80.0	11.0	5.7	33.5	
222.152100	31.6	1000.0	120.000	105.0	V	0.0	12.5	4.4	36.0	

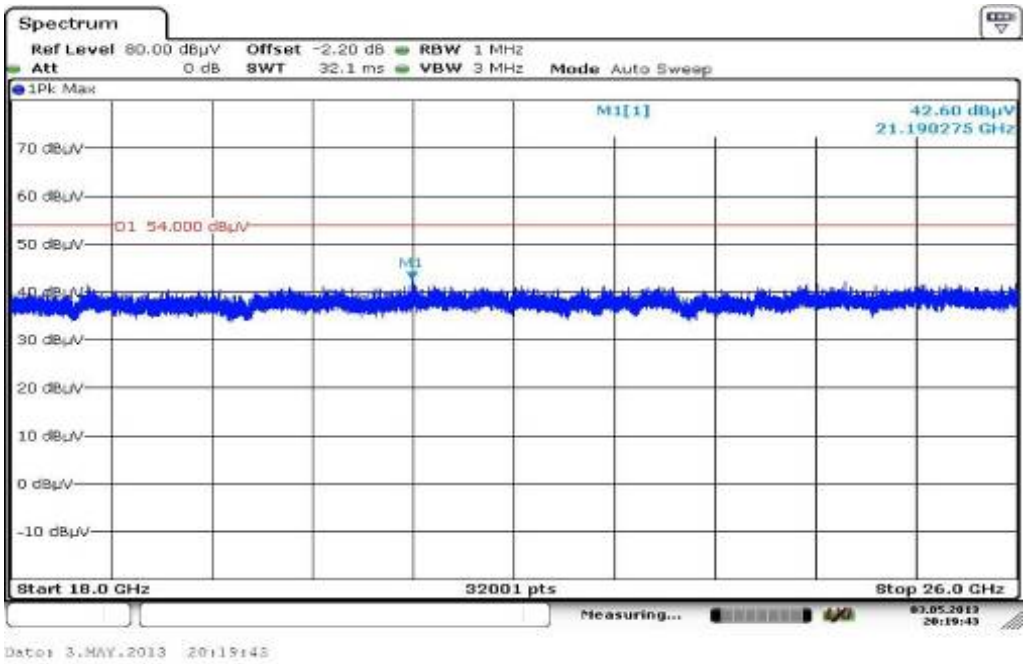
Plot 2: Lowest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



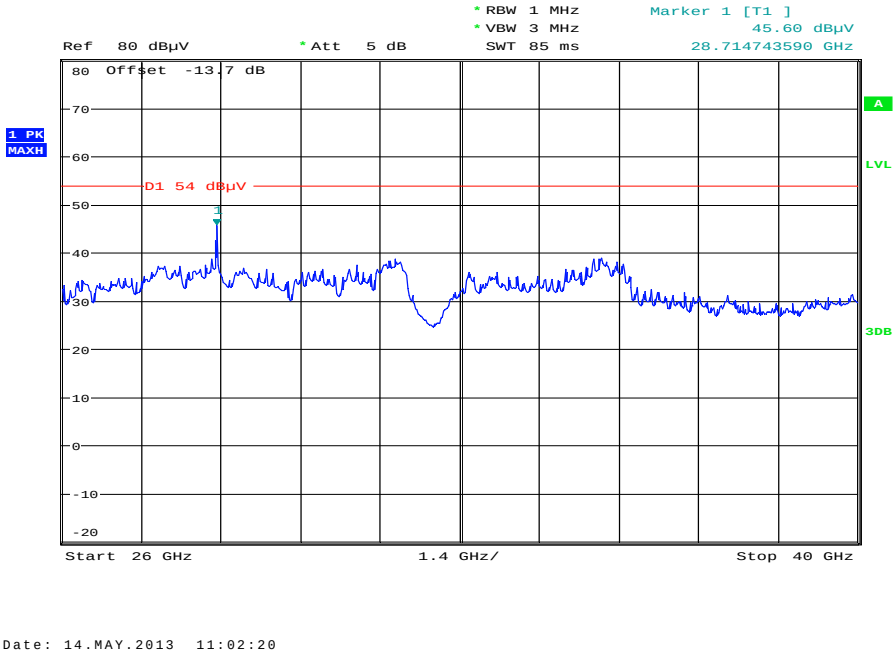
Plot 3: Lowest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



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



Plot 5: Lowest channel, 26 GHz to 40 GHz, vertical & horizontal polarization



Plot 6: Middle channel, 30 MHz to 1 GHz, vertical & horizontal polarization

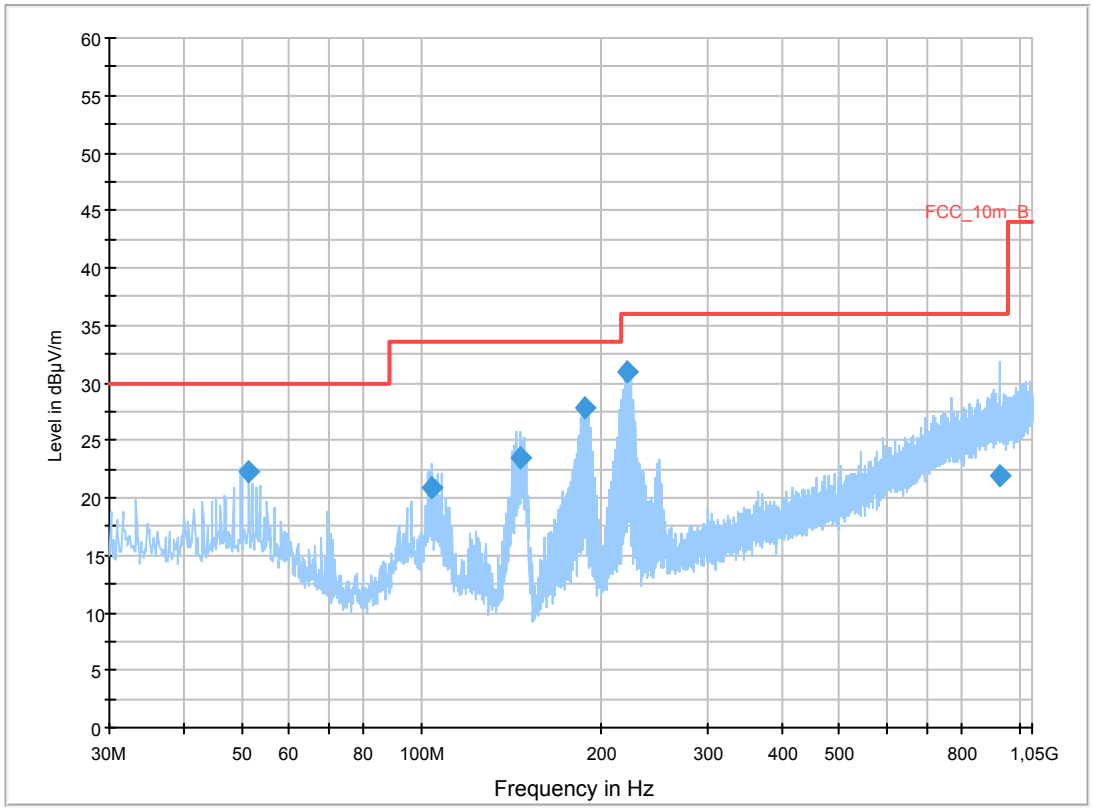
Common Information

EUT:	WLANBV2-A + antenna 453564154611
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan n-mode HT20 ch157
Operator Name:	Wolsdorfer
Comment:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

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

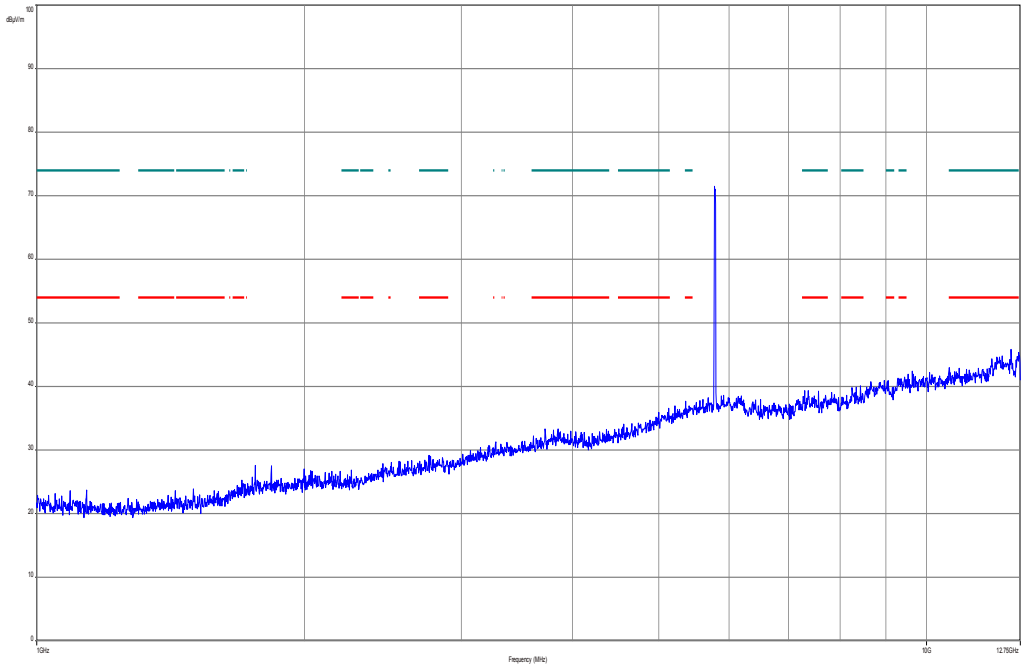
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



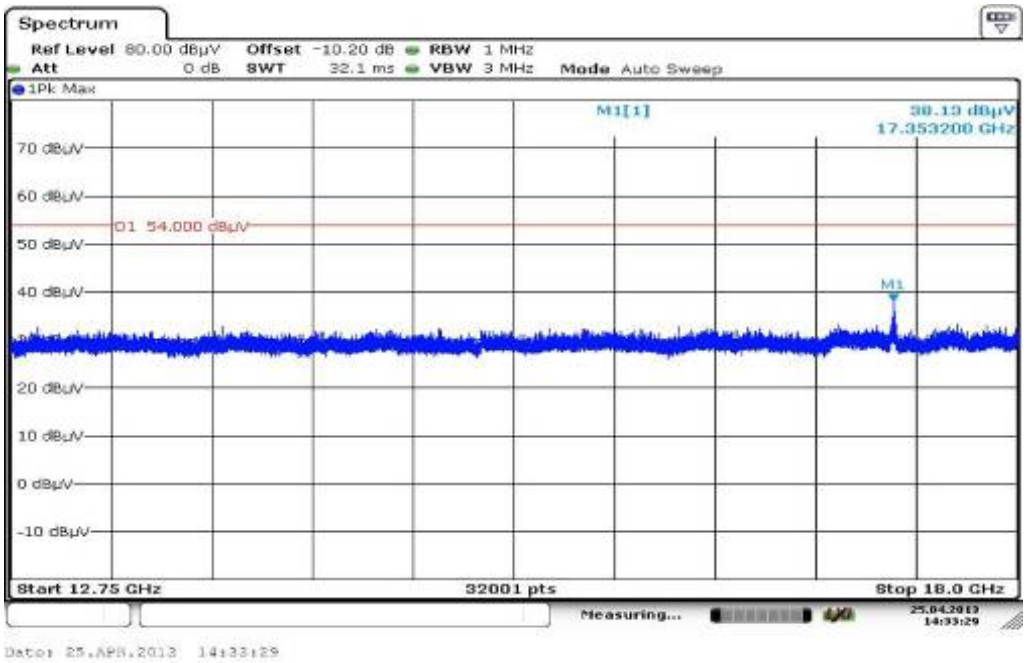
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
51.364800	22.3	1000.0	120.000	98.0	V	80.0	13.2	7.7	30.0	
104.250450	20.9	1000.0	120.000	132.0	V	272.0	11.5	12.6	33.5	
145.793400	23.5	1000.0	120.000	98.0	V	80.0	8.8	10.0	33.5	
187.350600	27.8	1000.0	120.000	98.0	V	92.0	10.9	5.7	33.5	
221.394450	30.9	1000.0	120.000	121.0	V	10.0	12.4	5.1	36.0	
927.207450	21.9	1000.0	120.000	170.0	V	261.0	25.3	14.1	36.0	

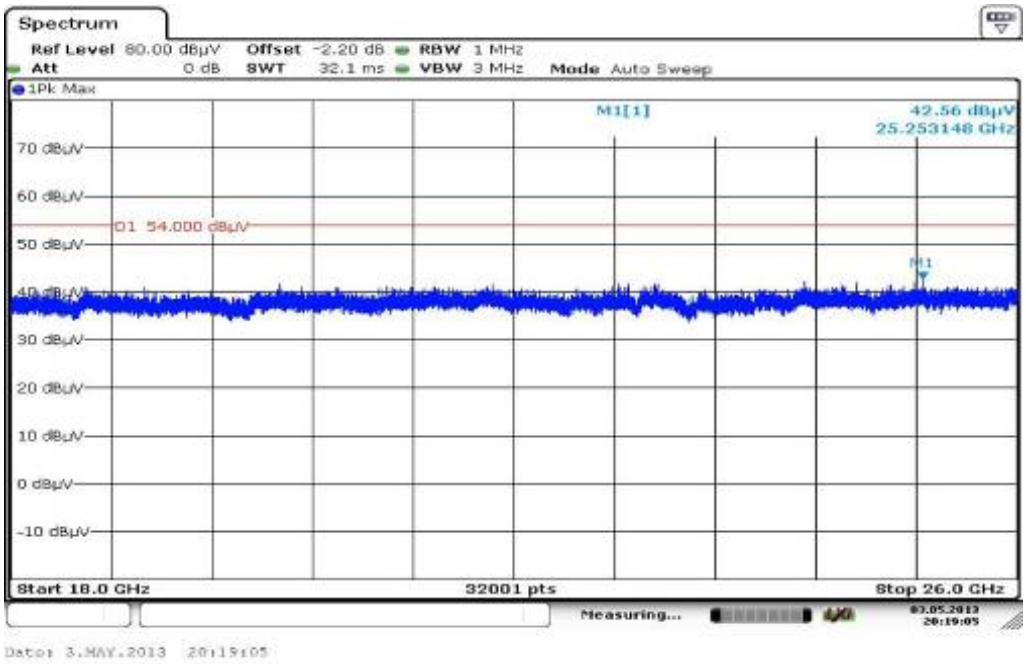
Plot 7: Middle channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



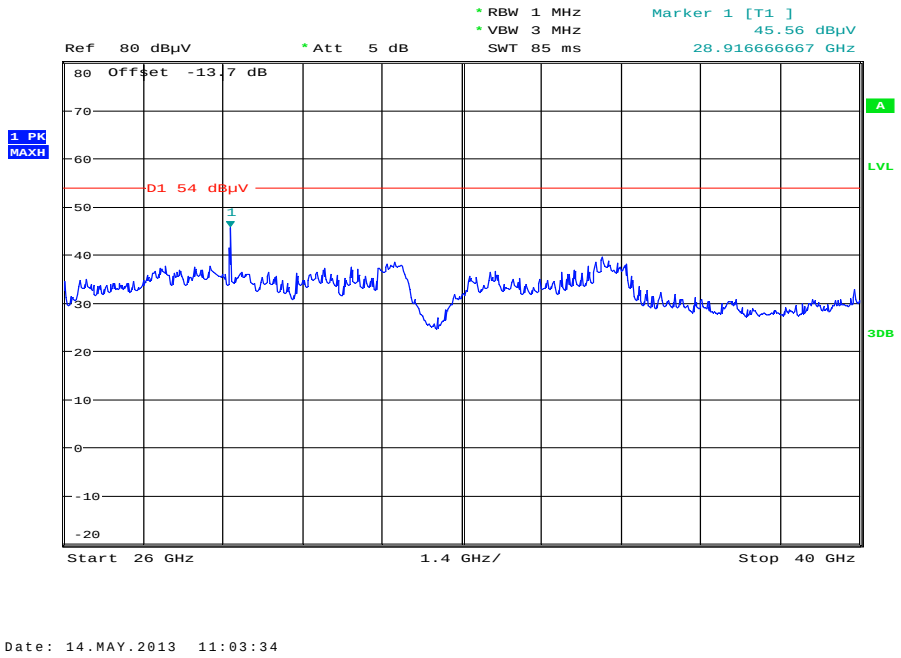
Plot 8: Middle channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Plot 9: Middle channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 10: Middle channel, 26 GHz to 40 GHz, vertical & horizontal polarization



Plot 11: Highest channel, 30 MHz to 1 GHz, vertical & horizontal polarization

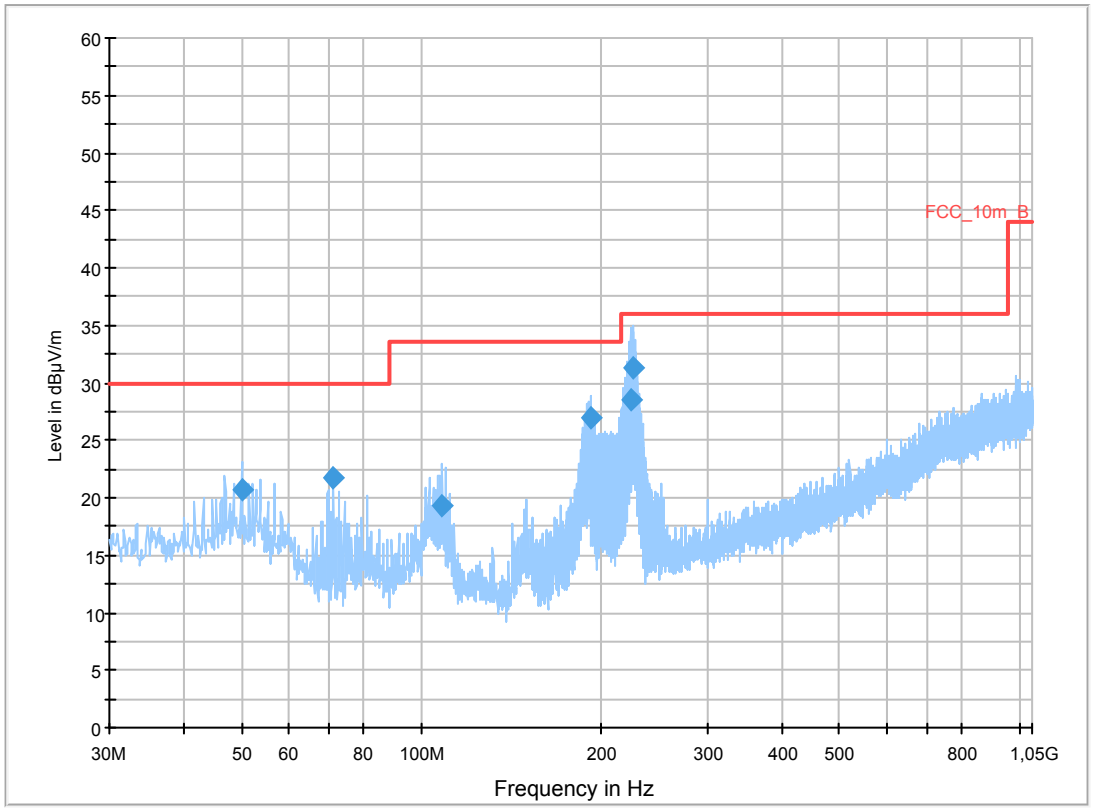
Common Information

EUT:	WLANBV2-A + antenna 453564154611
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan n-mode HT20 ch165
Operator Name:	Wolsdorfer
Comment:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

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

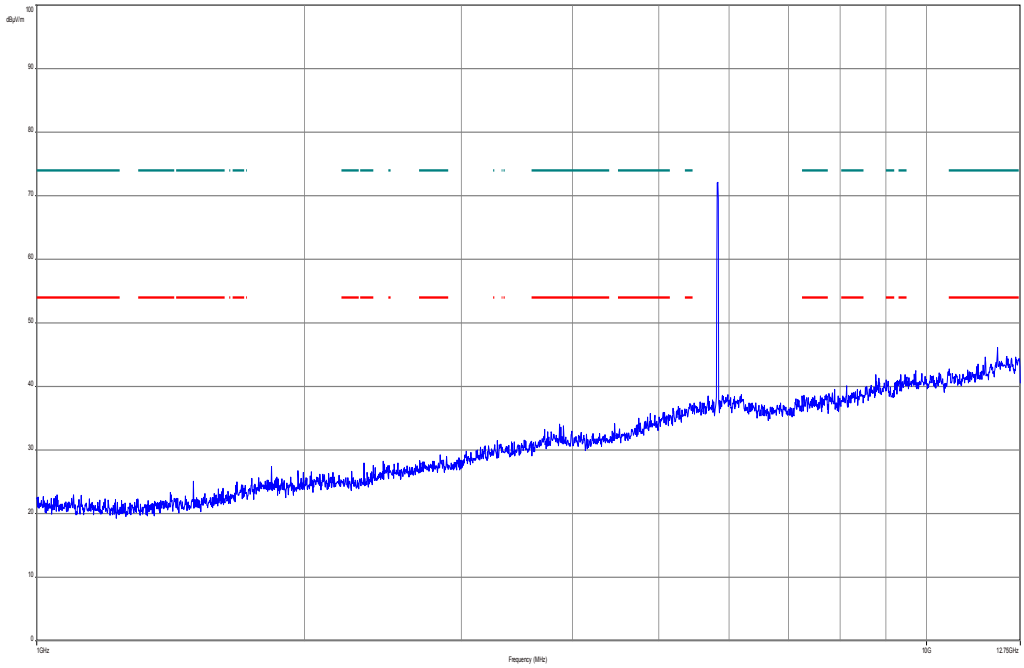
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



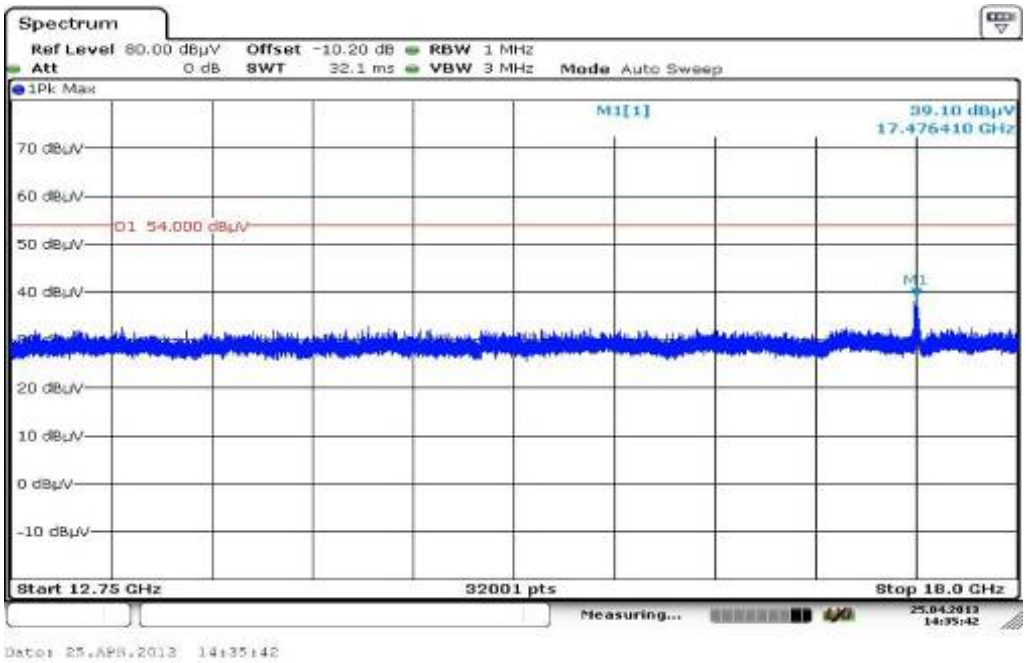
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
49.909650	20.7	1000.0	120.000	98.0	V	265.0	13.4	9.3	30.0	
71.071650	21.8	1000.0	120.000	170.0	V	80.0	9.3	8.2	30.0	
108.164100	19.4	1000.0	120.000	133.0	V	0.0	11.2	14.1	33.5	
191.319900	27.0	1000.0	120.000	98.0	V	-10.0	11.2	6.5	33.5	
223.851750	28.5	1000.0	120.000	98.0	V	273.0	12.5	7.5	36.0	
226.096350	31.3	1000.0	120.000	120.0	V	280.0	12.6	4.7	36.0	

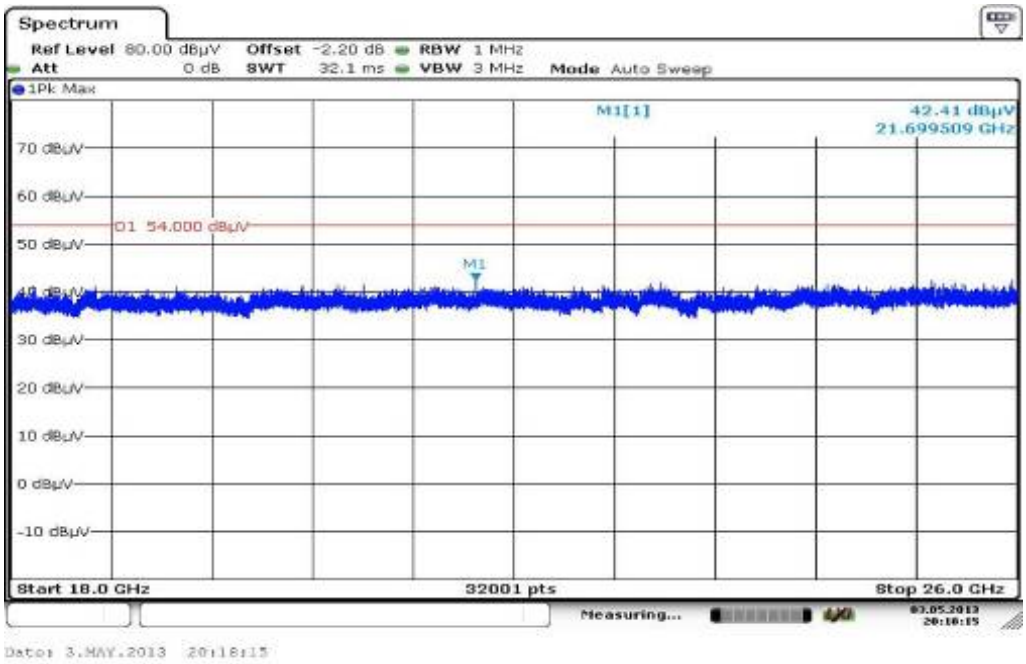
Plot 12: Highest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



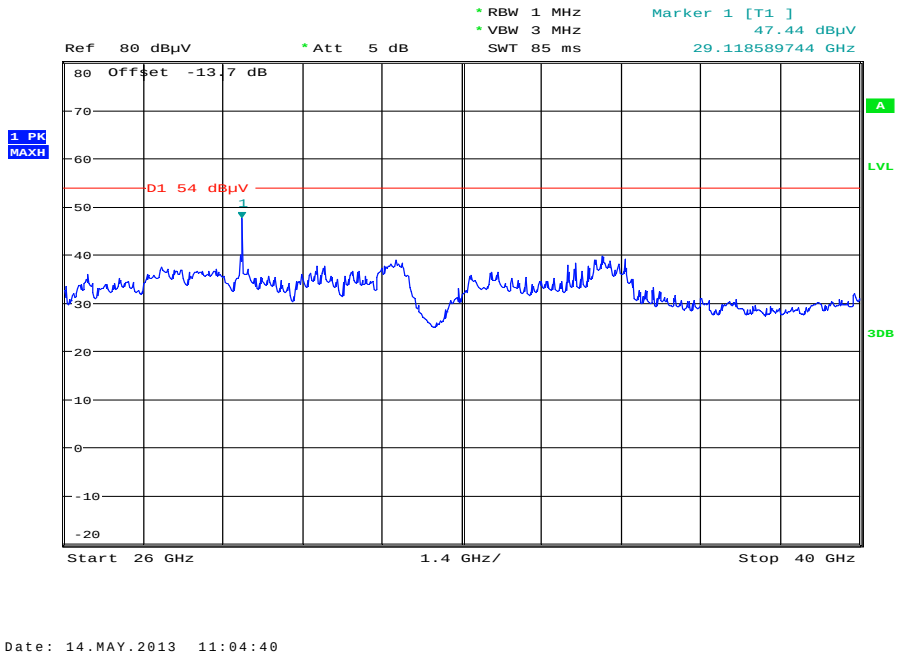
Plot 13: Highest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Plot 14: Highest channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 15: Highest channel, 26 GHz to 40 GHz, vertical & horizontal polarization



Plots: OFDM / n – mode HT40

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

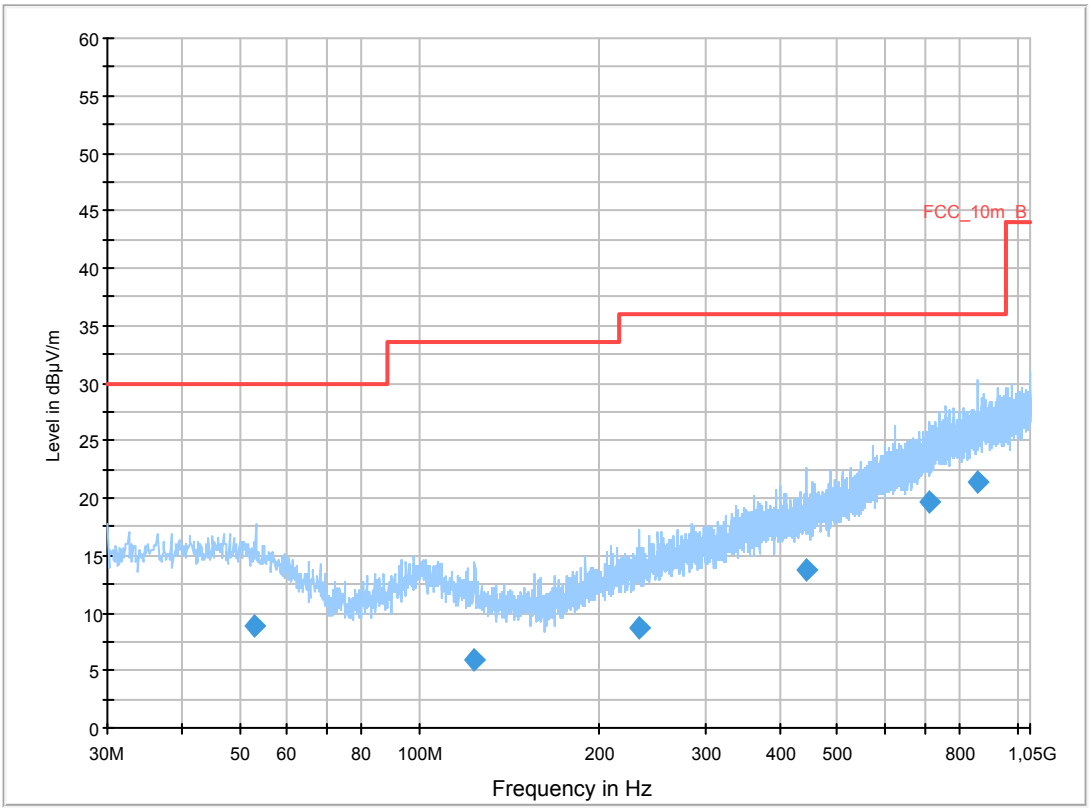
Common Information

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 @5745MHz
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

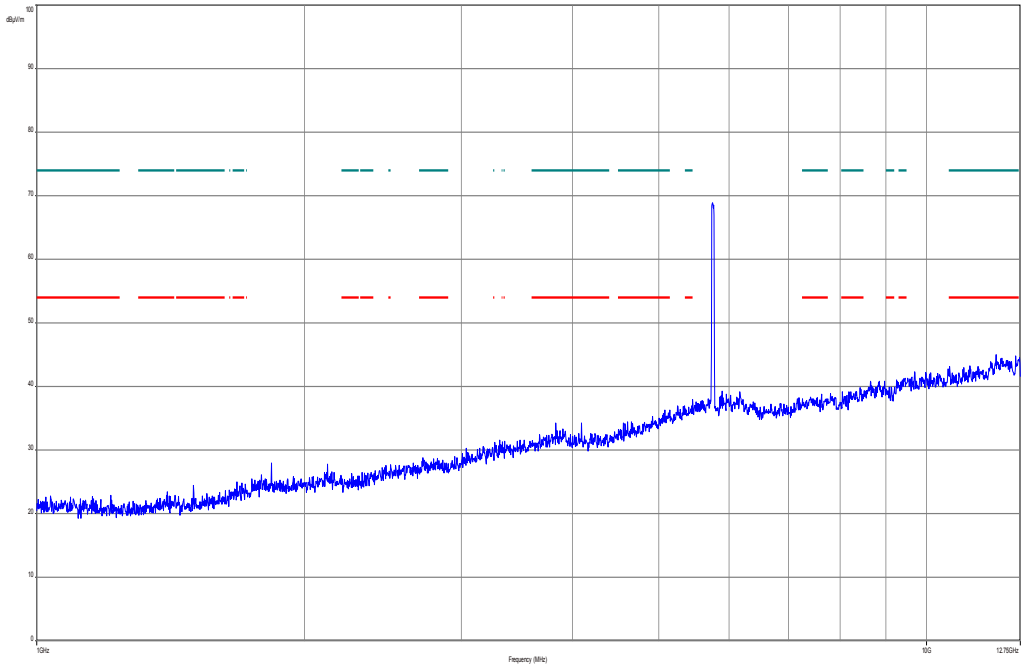
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



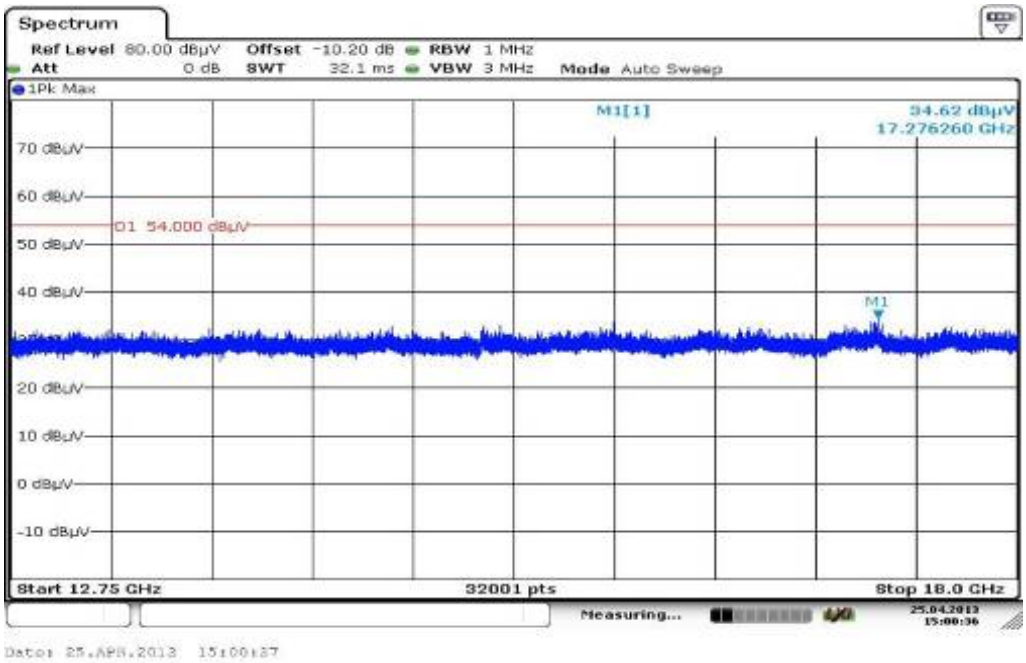
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
52.762050	8.8	1000.0	120.000	170.0	H	-10.0	13.1	21.2	30.0	
123.055650	6.0	1000.0	120.000	170.0	H	273.0	10.0	27.5	33.5	
232.642500	8.7	1000.0	120.000	134.0	V	268.0	12.8	27.3	36.0	
444.073800	13.7	1000.0	120.000	98.0	V	176.0	17.6	22.3	36.0	
711.347850	19.6	1000.0	120.000	170.0	V	171.0	22.8	16.4	36.0	
856.431000	21.4	1000.0	120.000	170.0	V	190.0	24.6	14.6	36.0	

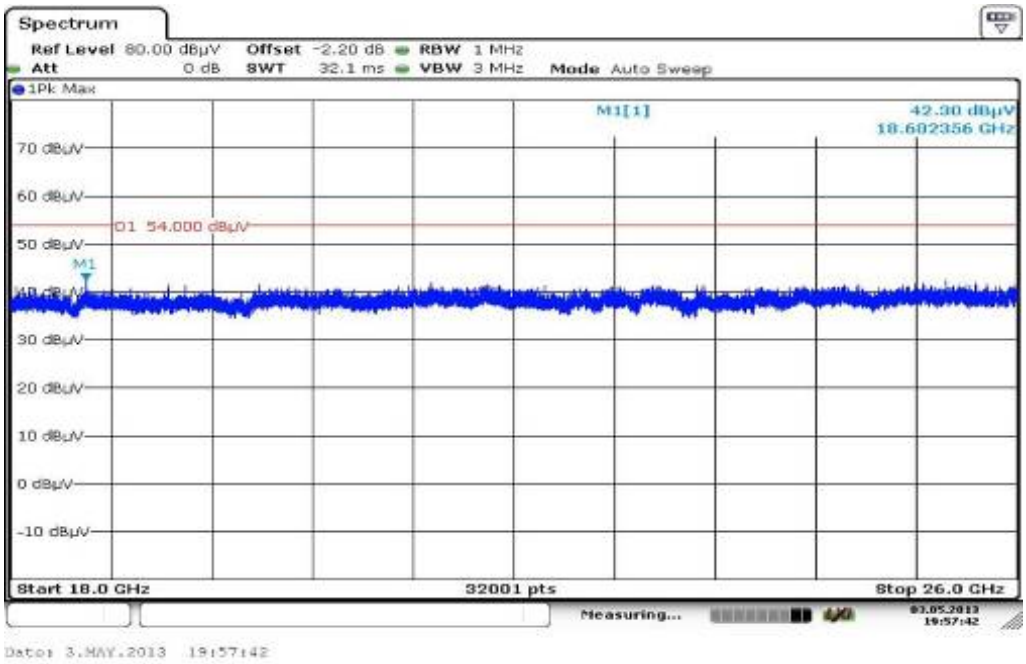
Plot 2: Lowest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



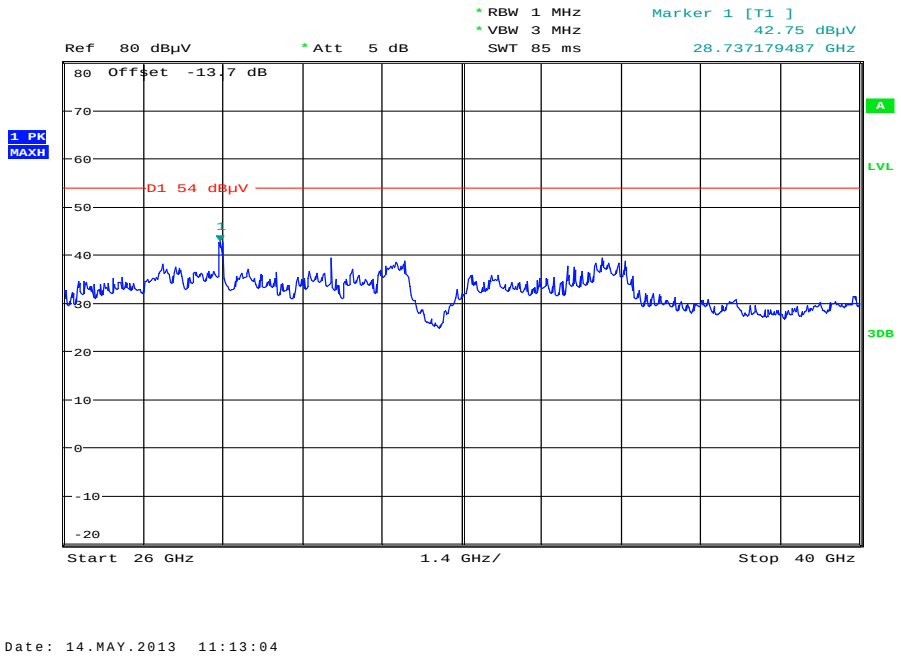
Plot 3: Lowest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



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



Plot 5: Lowest channel, 26 GHz to 40 GHz, vertical & horizontal polarization



Plot 6: Highest channel, 30 MHz to 1 GHz, vertical & horizontal polarization

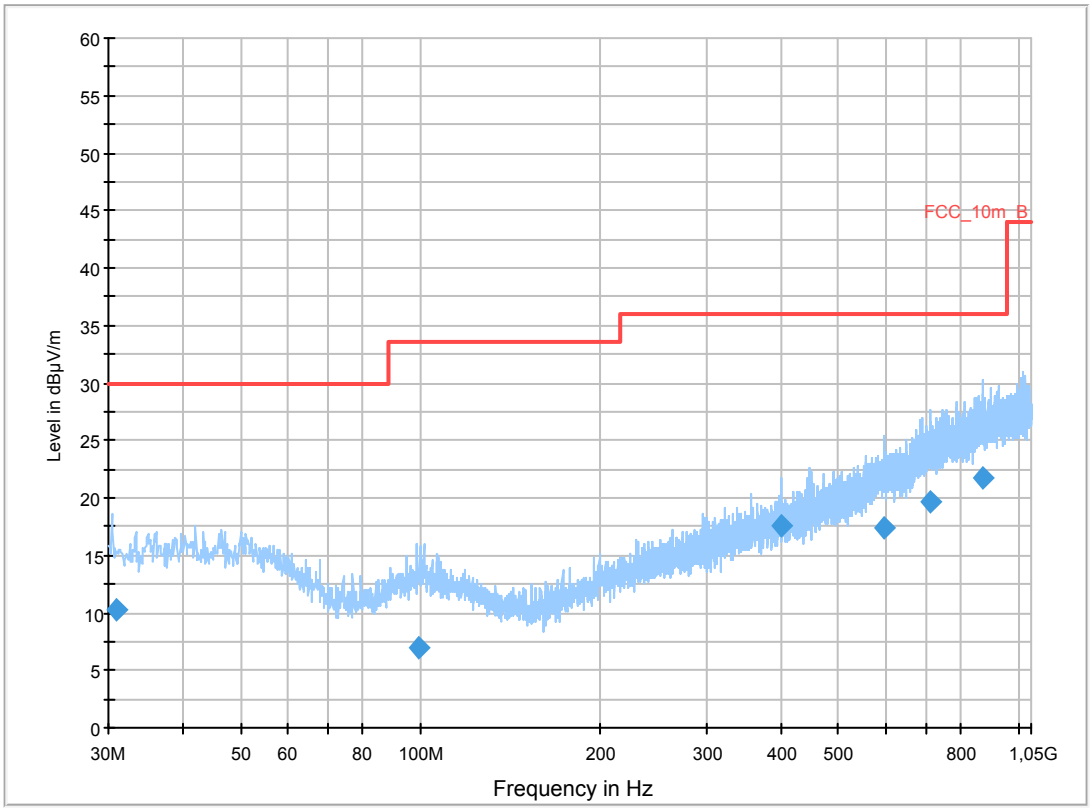
Common Information

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 @5795MHz
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

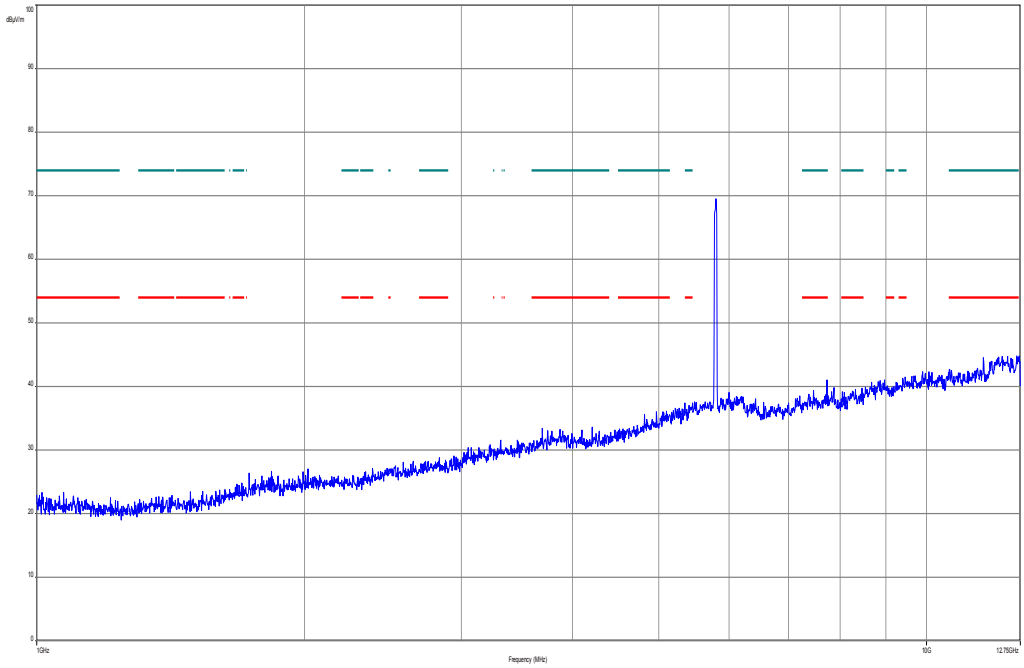
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



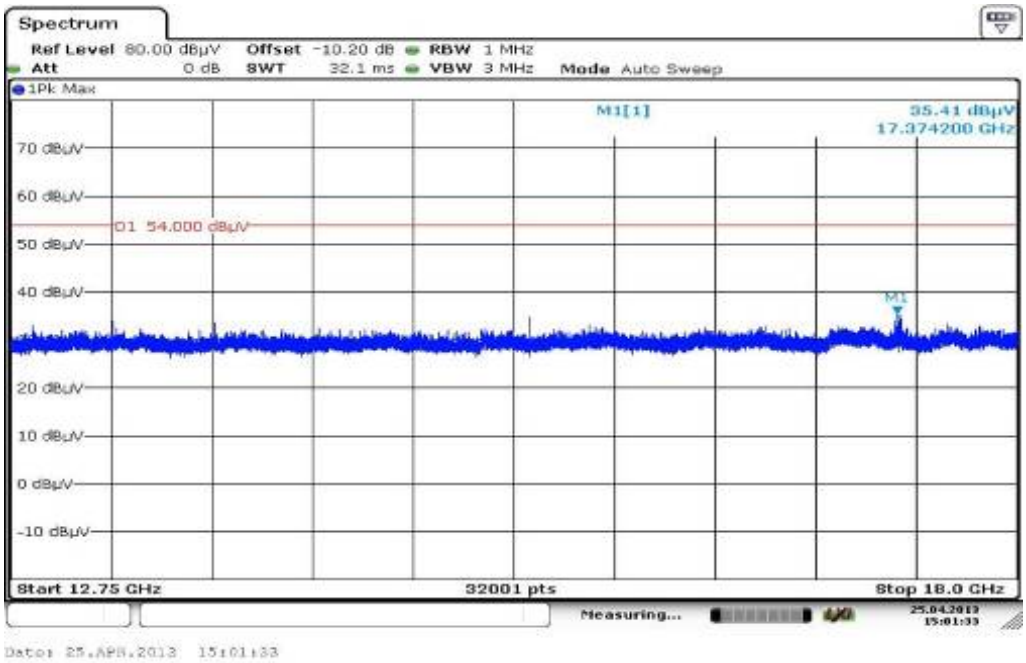
Final Result 1

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	

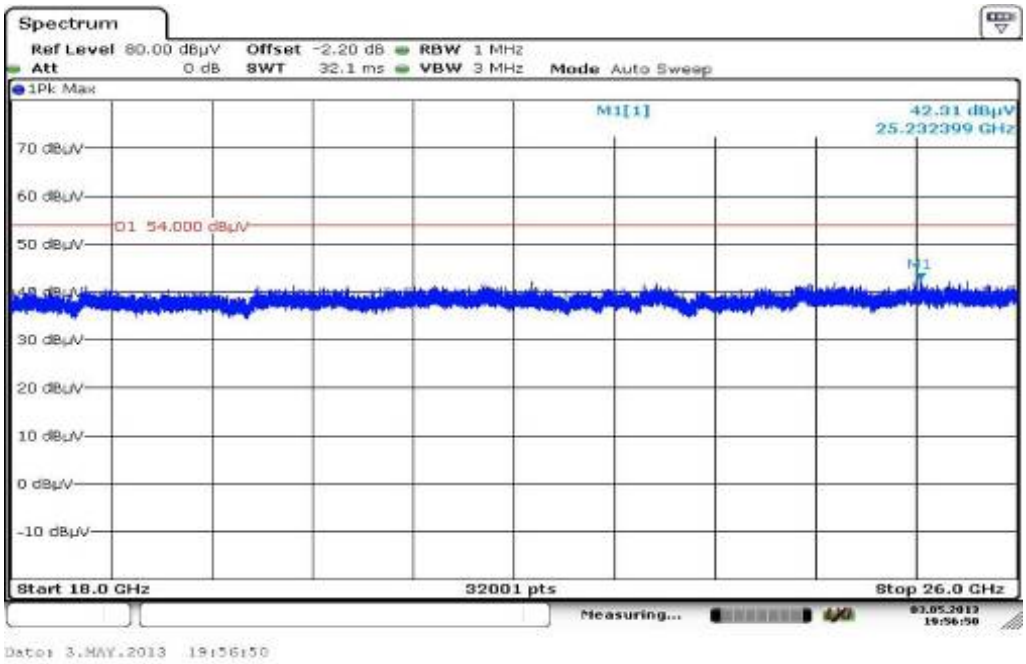
Plot 7: Highest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



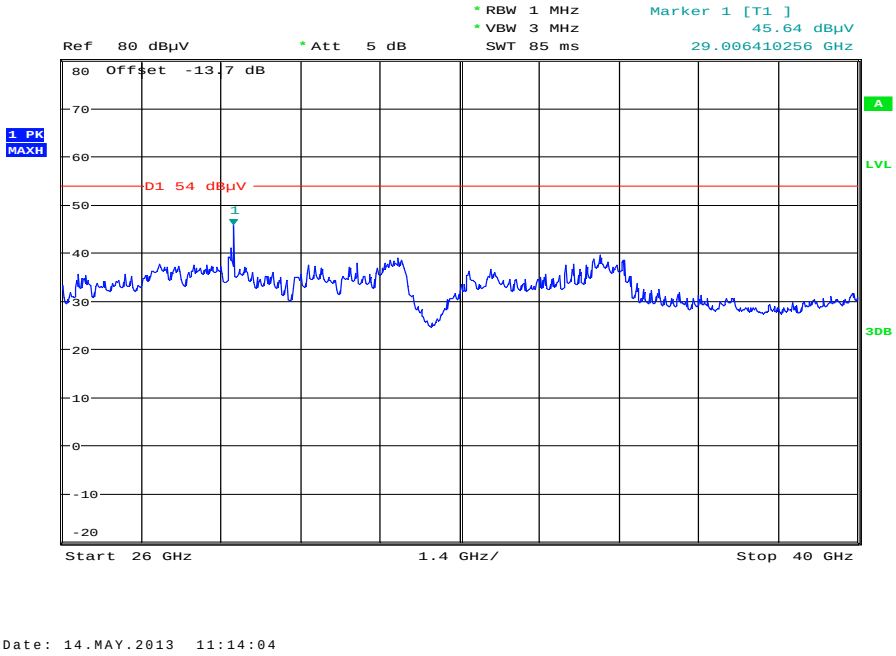
Plot 8: Highest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Plot 9: Highest channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 10: Highest channel, 26 GHz to 40 GHz, vertical & horizontal polarization



Antenna 453564271931:

Results: OFDM / a – mode

TX Spurious Emissions Radiated [dBµV/m]								
OFDM / a – mode								
5745 MHz			5785 MHz			5825 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 HT20								
5745 MHz			5785 MHz			5825 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 HT40								
5755 MHz			5795 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.			-/-		
Measurement uncertainty			± 3 dB					

Result: **Passed**

Note: Results of OFDM n – mode are added to show the compliance with the standard.

Plots: OFDM / a – mode

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

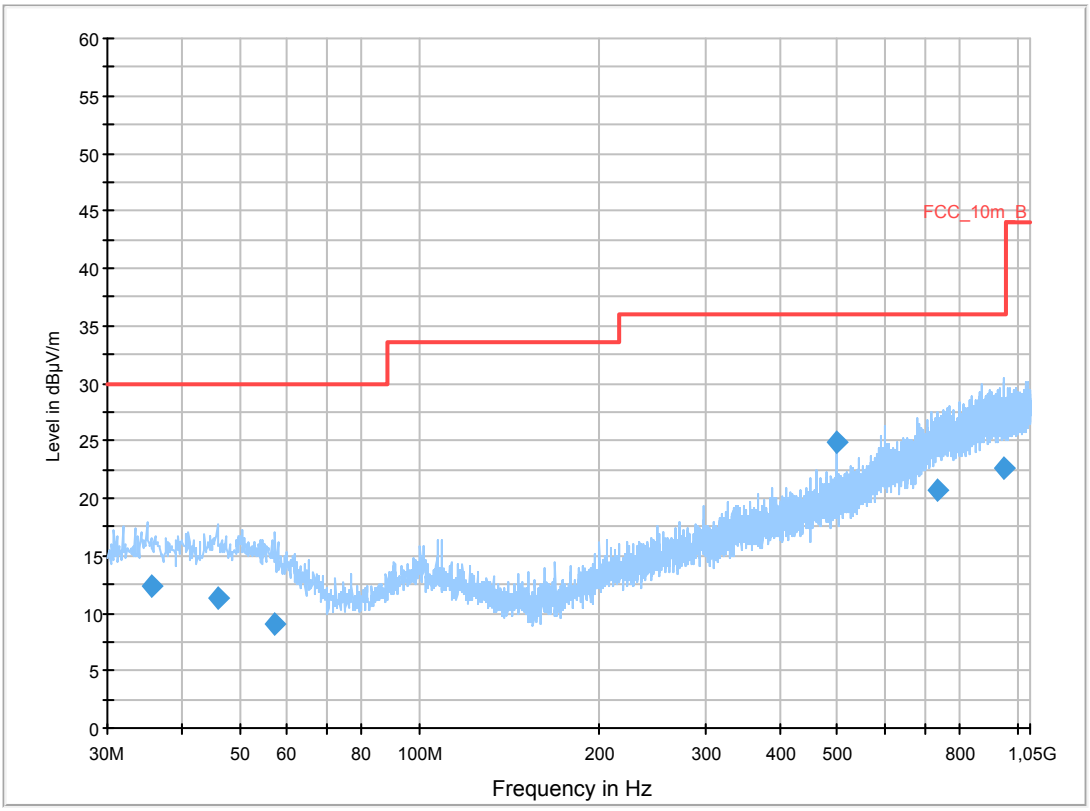
Common Information

EUT:	WLANBV2-A + antenna 453564271931
Serial Number:	008092
Test Description:	FCC part 15 C class B
Operating Conditions:	WLAN a mode tx @ 5745 MHz
Operator Name:	Hennemann
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

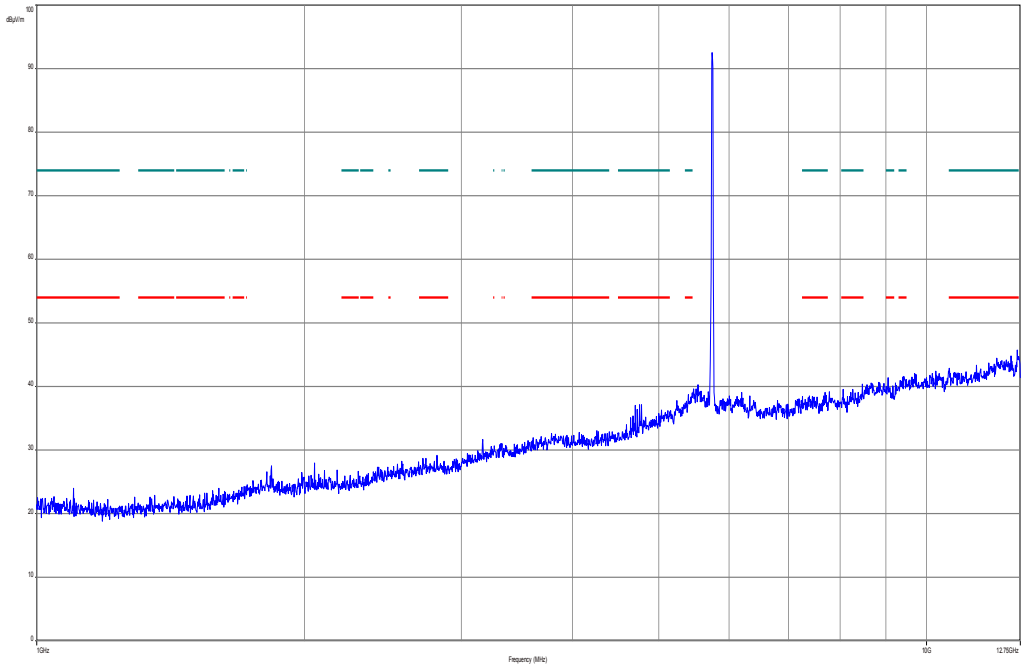
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



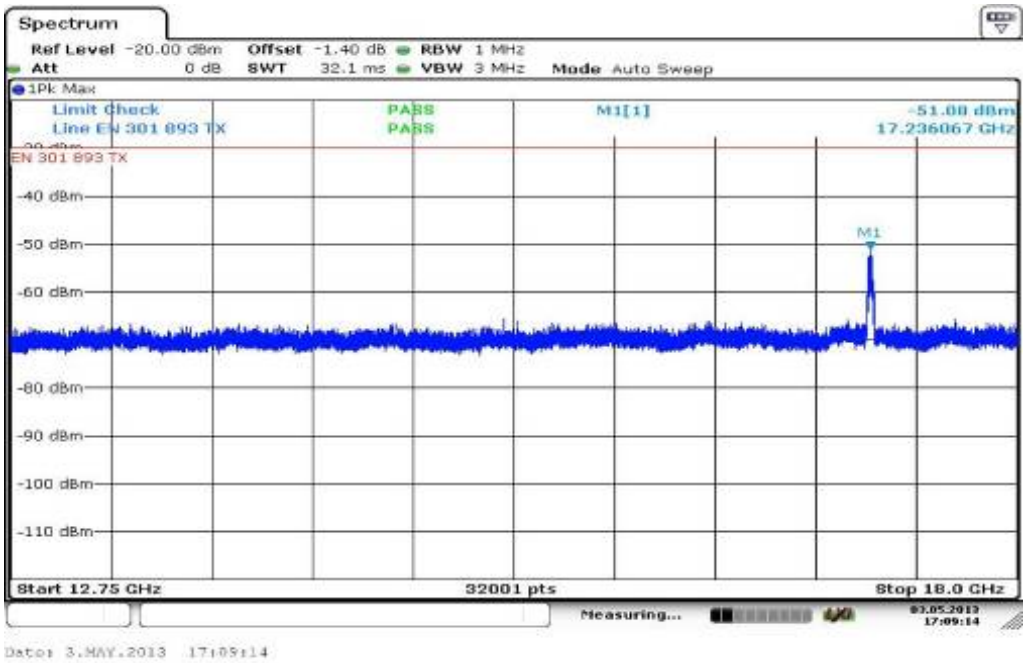
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
35.494650	12.4	1000.0	120.000	170.0	V	90.0	13.1	17.6	30.0	
46.029150	11.3	1000.0	120.000	122.0	V	80.0	13.3	18.7	30.0	
57.193500	9.1	1000.0	120.000	122.0	H	171.0	12.3	20.9	30.0	
499.998600	24.8	1000.0	120.000	98.0	V	-2.0	18.7	11.2	36.0	
733.282200	20.7	1000.0	120.000	112.0	V	100.0	23.3	15.4	36.0	
945.837300	22.5	1000.0	120.000	121.0	H	80.0	25.3	13.5	36.0	

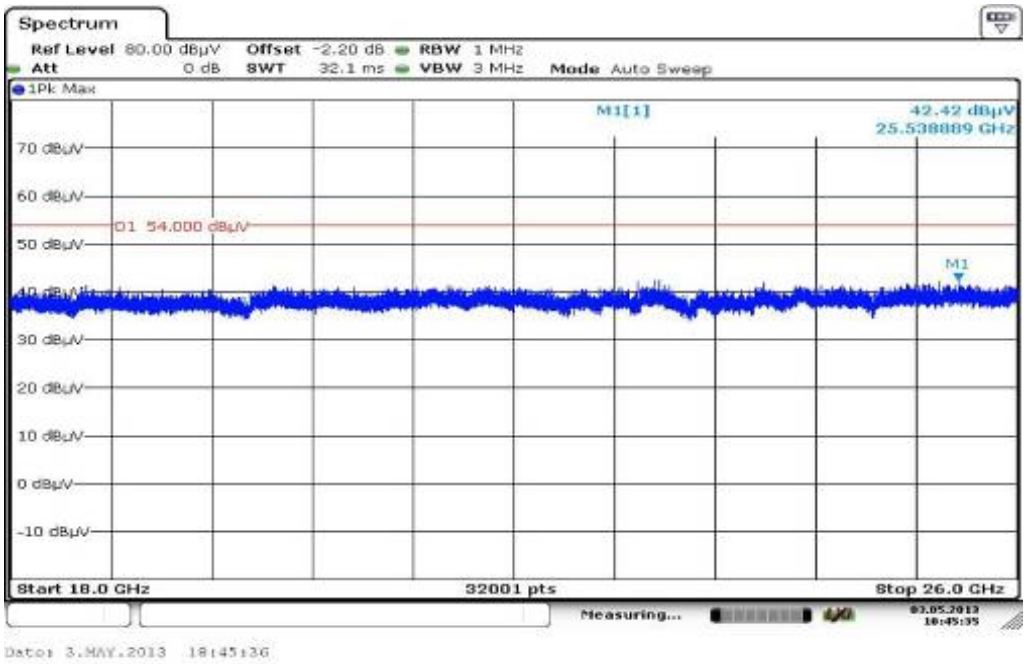
Plot 2: Lowest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



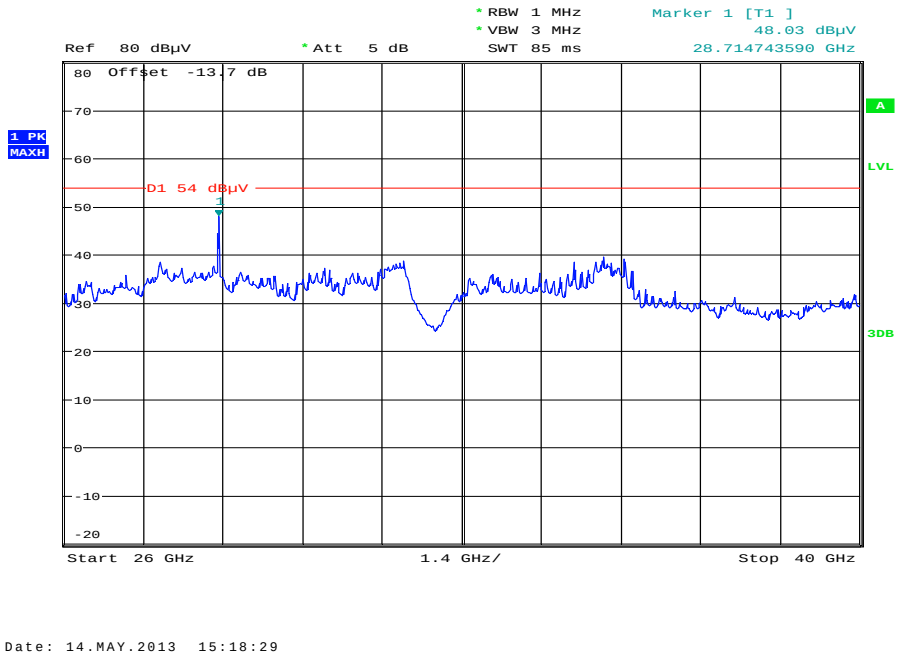
Plot 3: Lowest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



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



Plot 5: Lowest channel, 26 GHz to 40 GHz, vertical & horizontal polarization



Plot 6: Middle channel, 30 MHz to 1 GHz, vertical & horizontal polarization

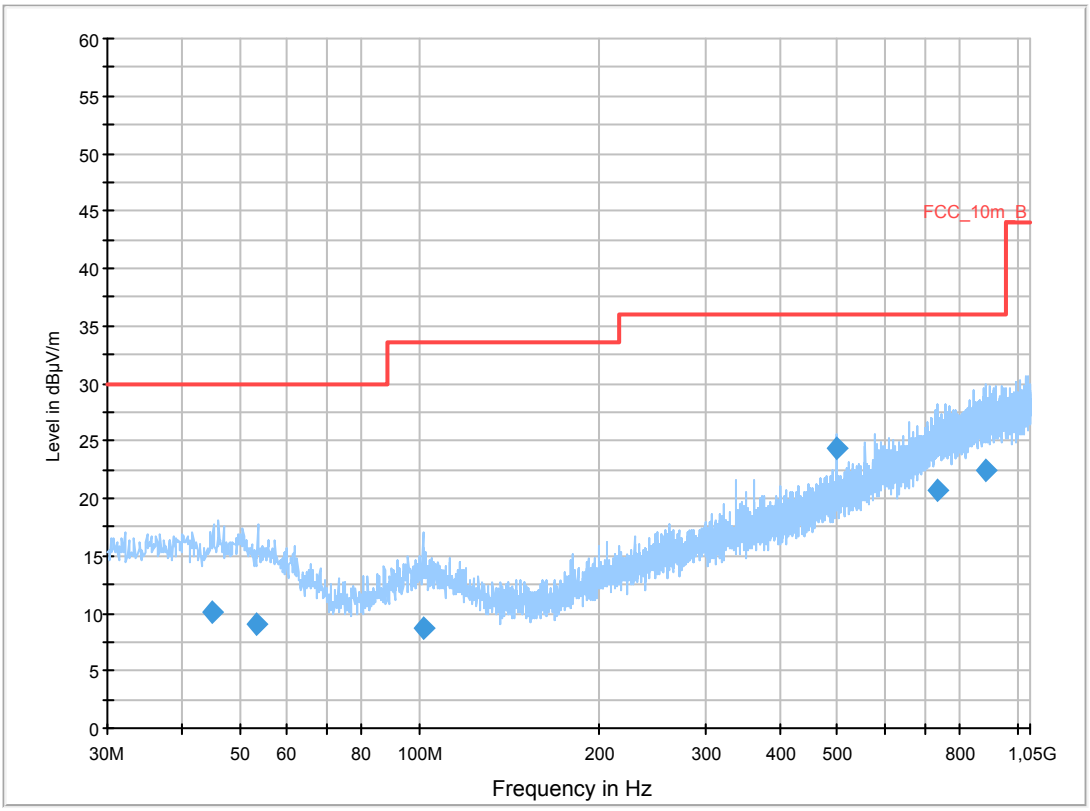
Common Information

EUT:	WLANBV2-A + antenna 453564271931
Serial Number:	008092
Test Description:	FCC part 15 C class B
Operating Conditions:	WLAN a mode tx @ 5785 MHz
Operator Name:	Hennemann
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

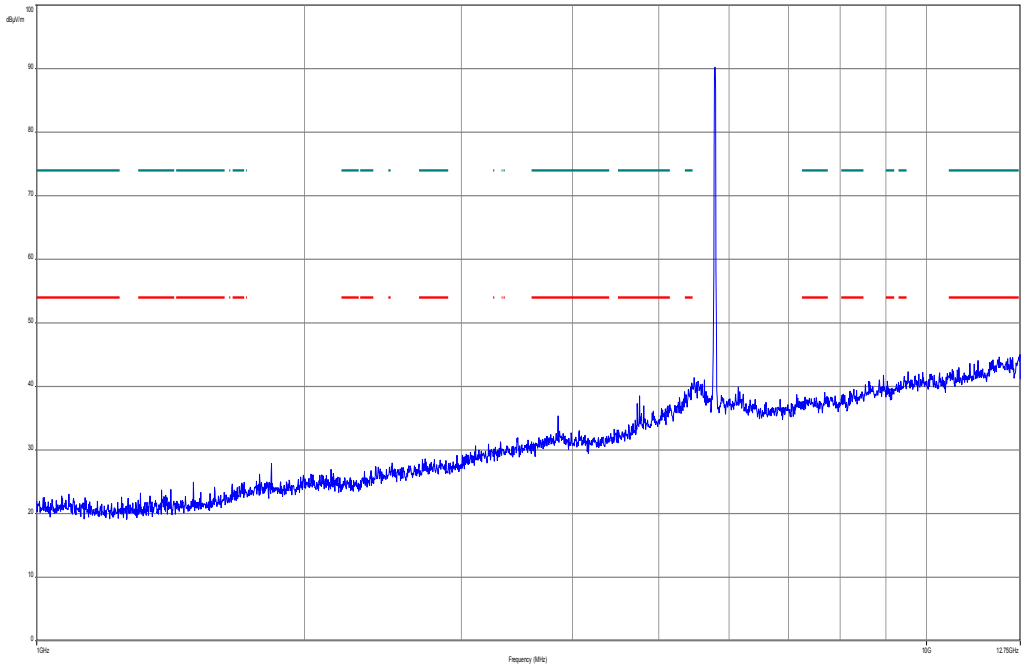
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



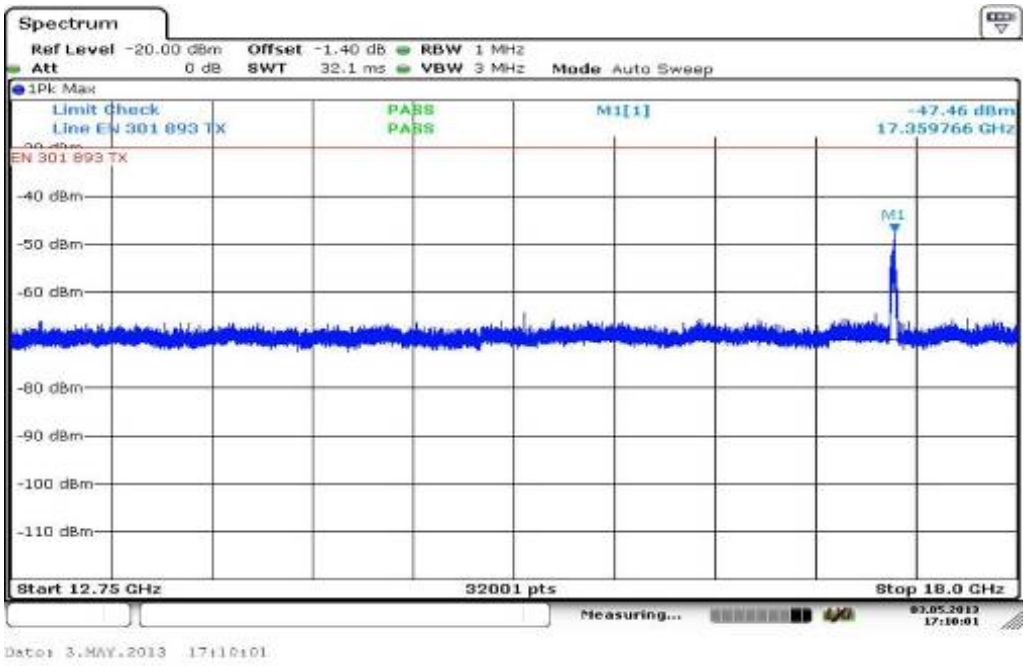
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
44.794950	10.1	1000.0	120.000	111.0	V	171.0	13.3	19.9	30.0	
53.304300	9.1	1000.0	120.000	170.0	H	178.0	13.0	20.9	30.0	
101.719650	8.6	1000.0	120.000	170.0	H	100.0	11.7	24.9	33.5	
500.023950	24.4	1000.0	120.000	98.0	V	2.0	18.7	11.6	36.0	
732.878100	20.7	1000.0	120.000	170.0	H	88.0	23.3	15.3	36.0	
884.497350	22.5	1000.0	120.000	98.0	V	10.0	25.0	13.5	36.0	

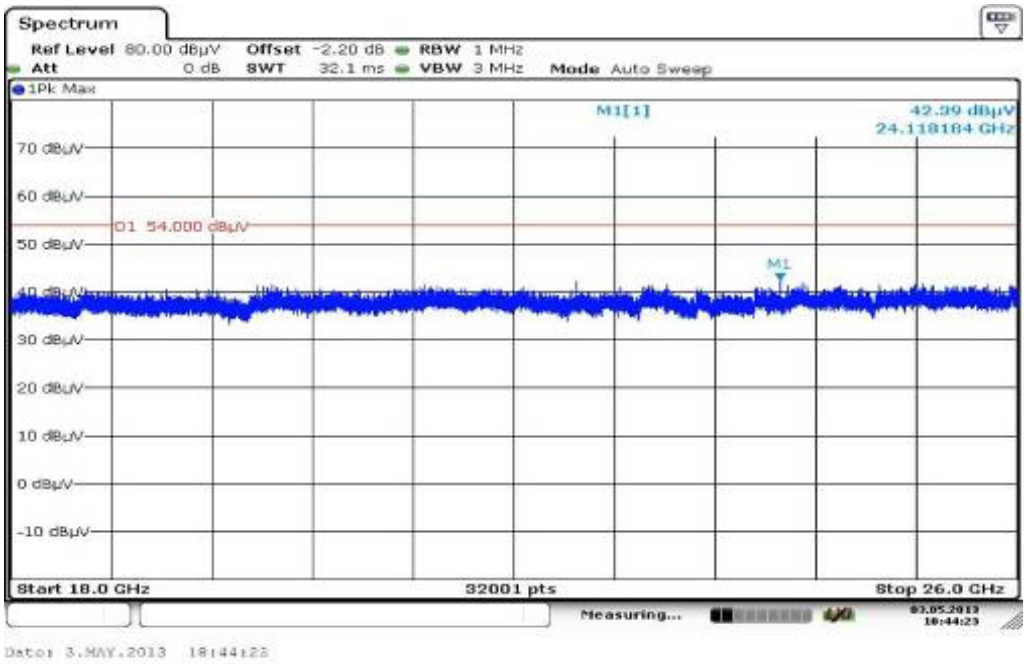
Plot 7: Middle channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



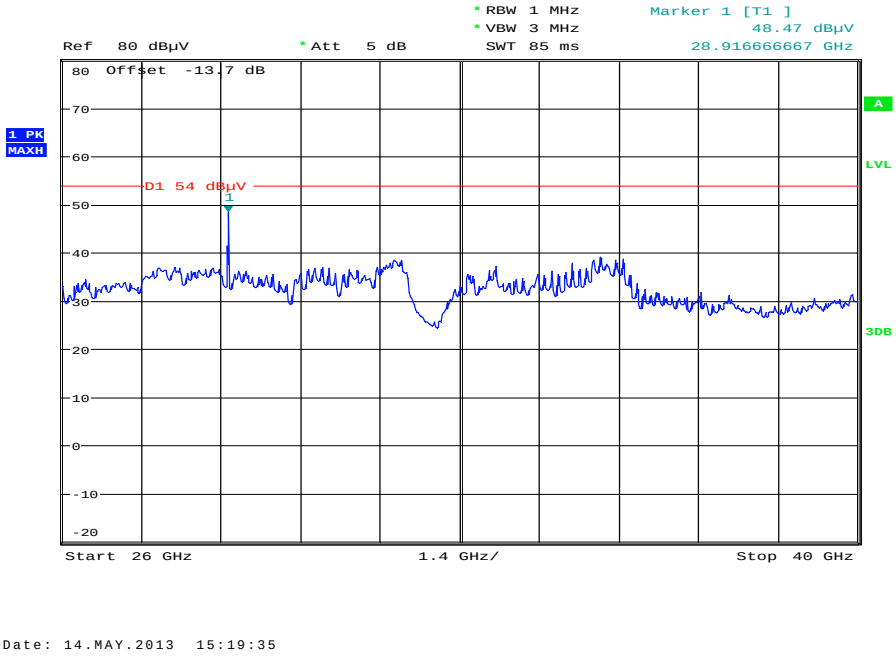
Plot 8: Middle channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Plot 9: Middle channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 10: Middle channel, 26 GHz to 40 GHz, vertical & horizontal polarization



Plot 11: Highest channel, 30 MHz to 1 GHz, vertical & horizontal polarization

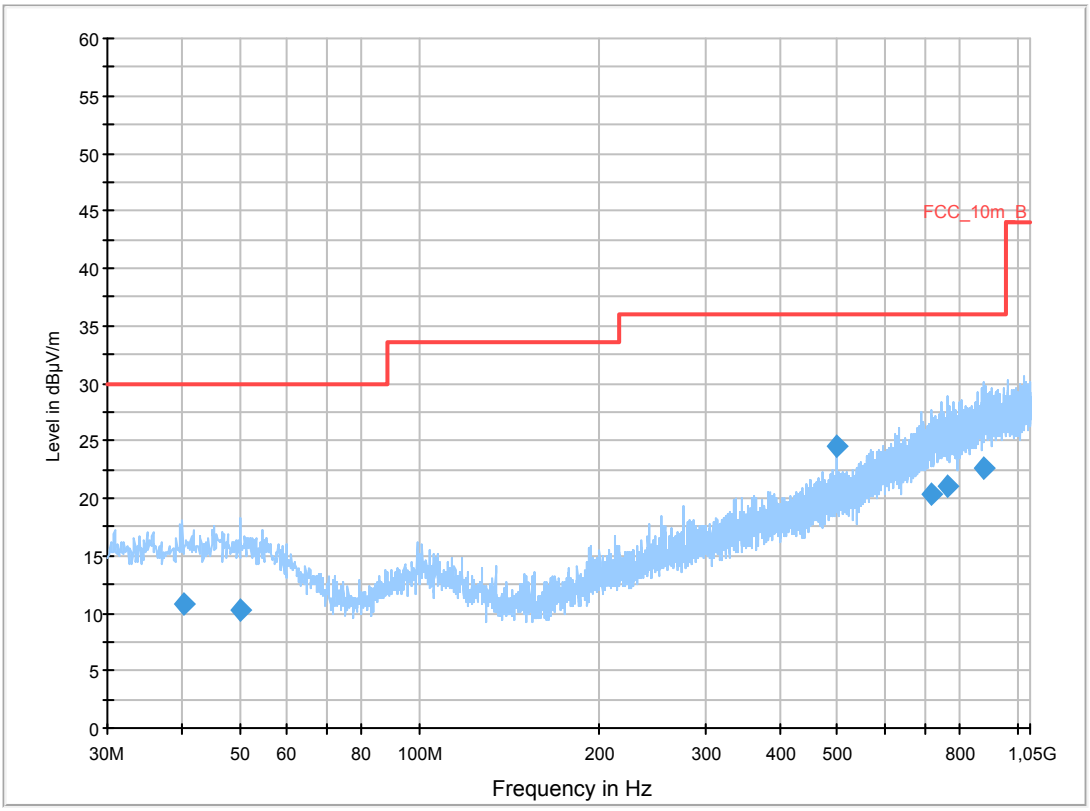
Common Information

EUT:	WLANBV2-A + antenna 453564271931
Serial Number:	008092
Test Description:	FCC part 15 C class B
Operating Conditions:	WLAN a mode tx @ 5825 MHz
Operator Name:	Hennemann
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

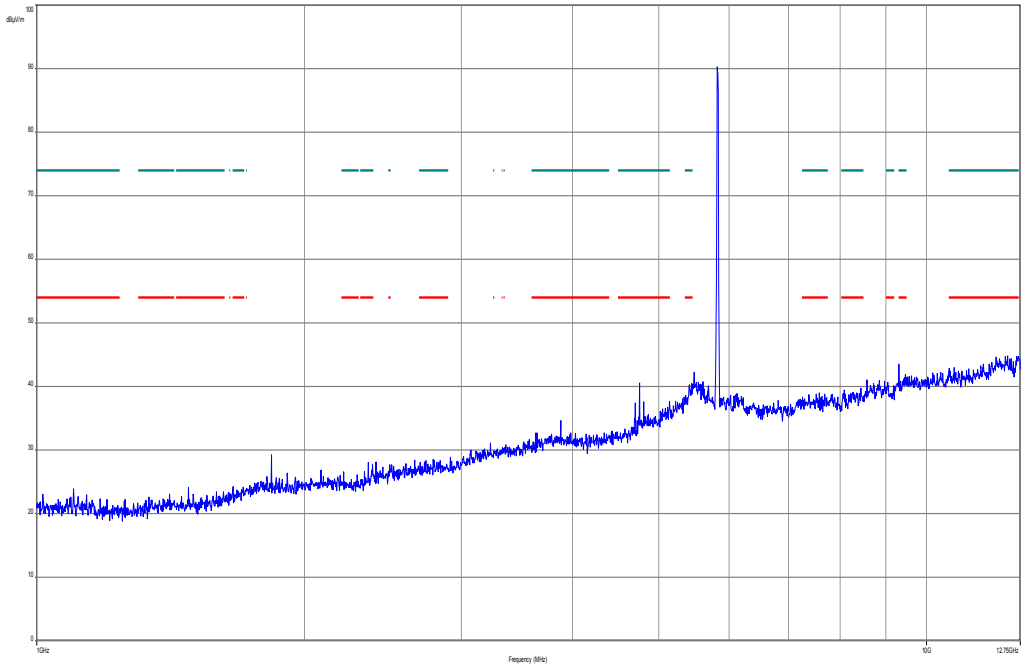
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



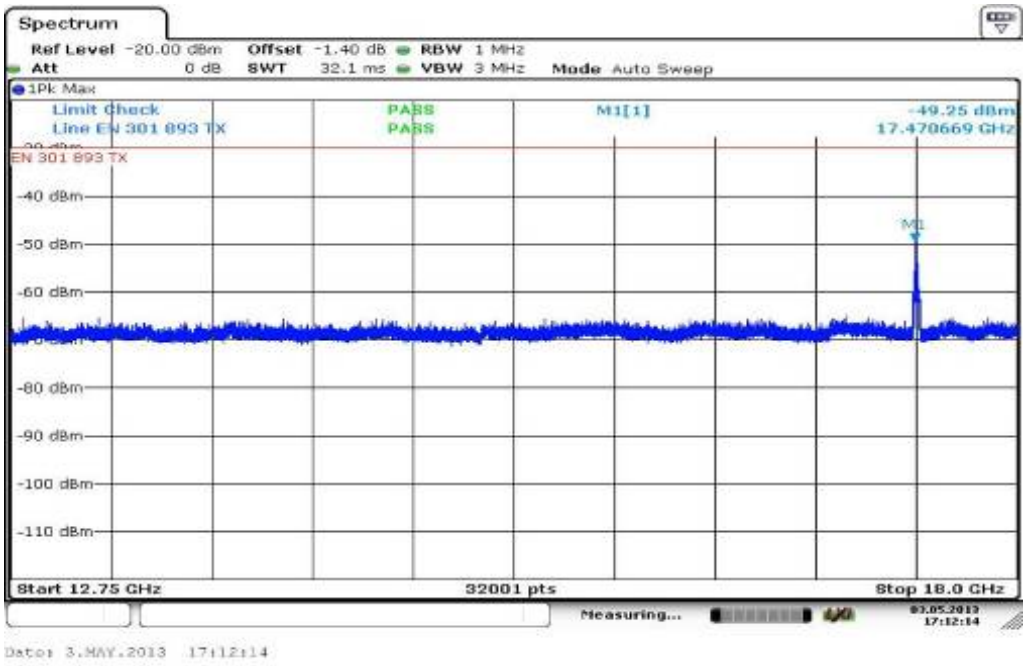
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
40.385700	10.8	1000.0	120.000	170.0	V	87.0	13.4	19.2	30.0	
49.966800	10.3	1000.0	120.000	170.0	V	267.0	13.4	19.7	30.0	
499.989600	24.5	1000.0	120.000	98.0	V	-3.0	18.7	11.5	36.0	
715.995300	20.3	1000.0	120.000	98.0	H	2.0	22.9	15.7	36.0	
762.988650	21.0	1000.0	120.000	98.0	V	171.0	23.7	15.0	36.0	
880.143900	22.6	1000.0	120.000	170.0	H	280.0	24.9	13.4	36.0	

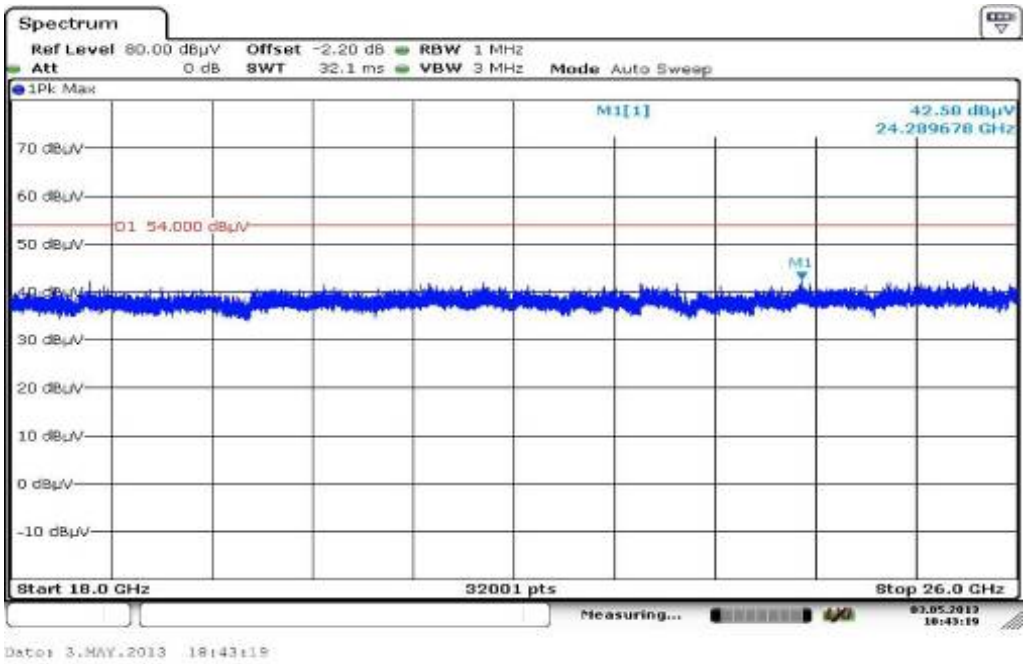
Plot 12: Highest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



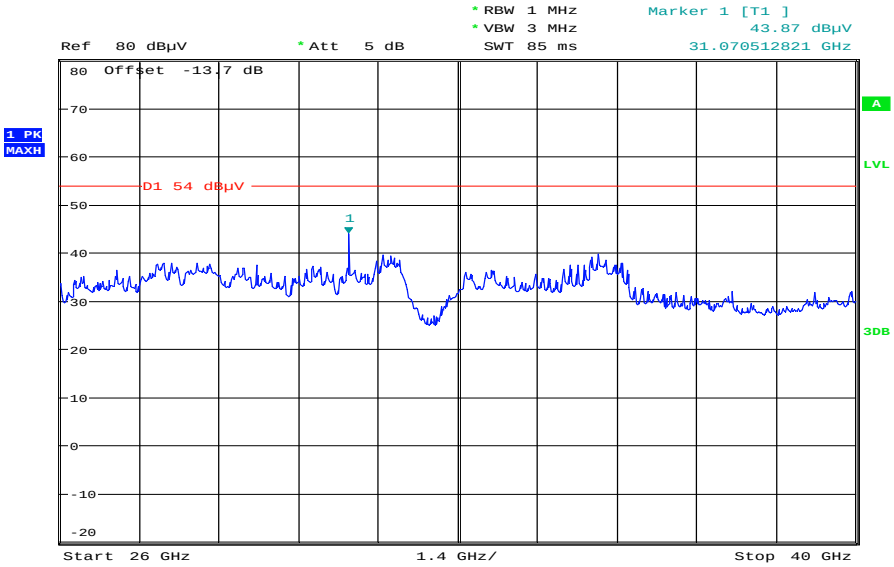
Plot 13: Highest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



Plot 14: Highest channel, 18 GHz to 26 GHz, vertical & horizontal polarization



Plot 15: Highest channel, 26 GHz to 40 GHz, vertical & horizontal polarization



Plots: OFDM / n – mode HT20

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

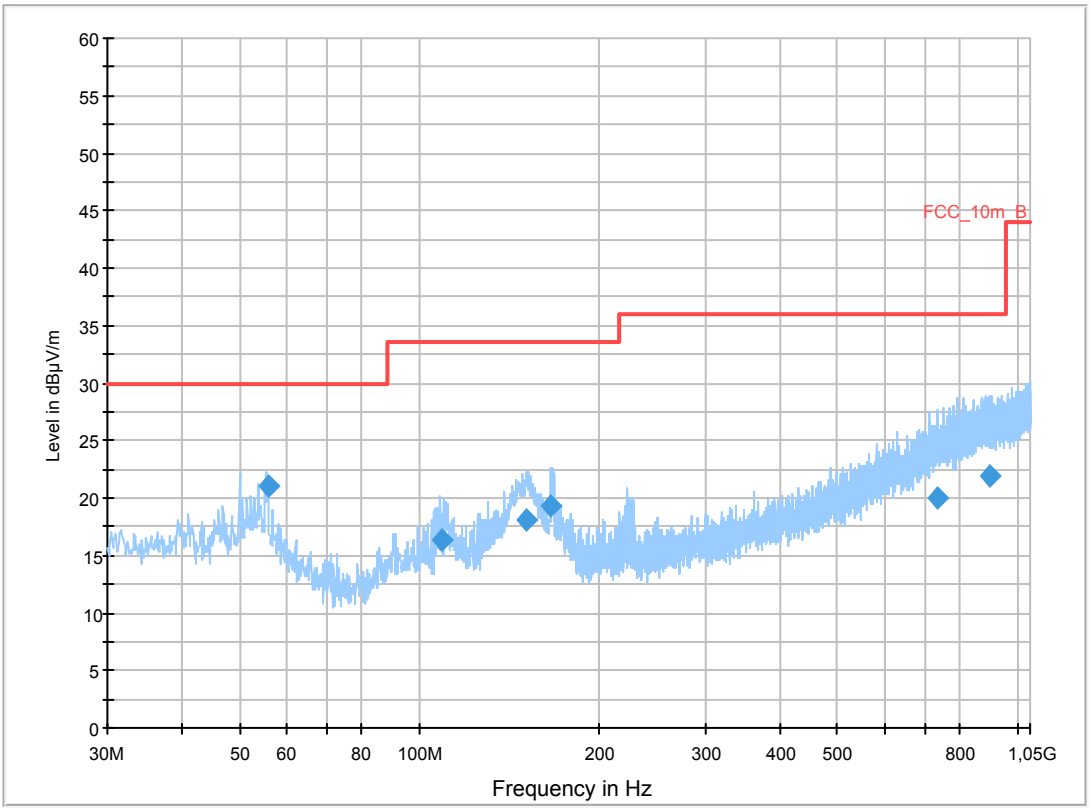
Common Information

EUT:	WLANBV2-A + antenna 453564271931
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan tx n-mode ch149
Operator Name:	Wolsdorfer
Comment:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

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

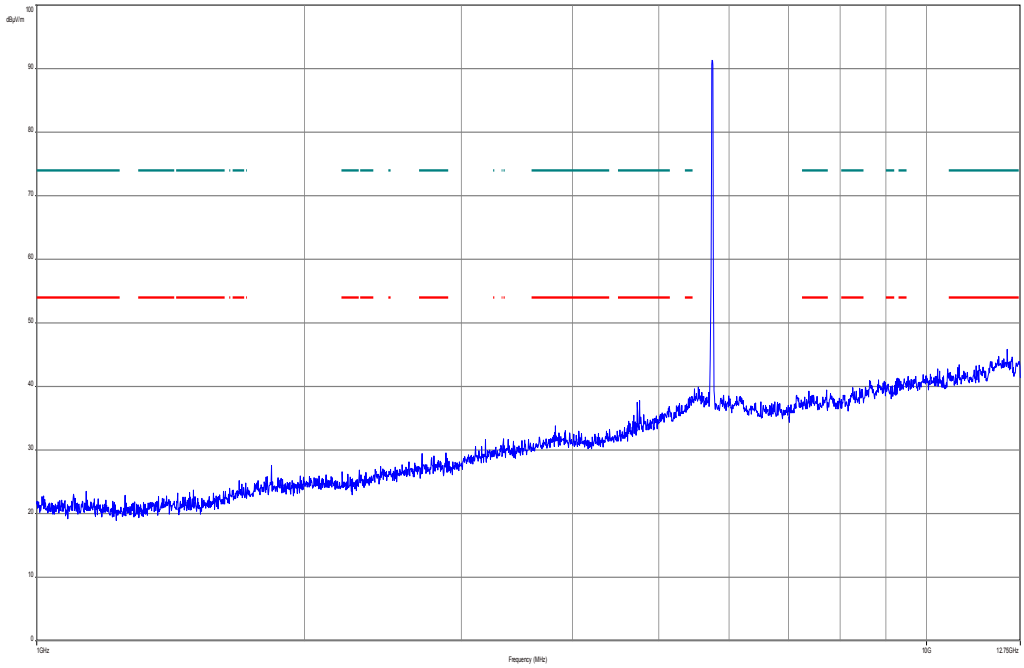
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



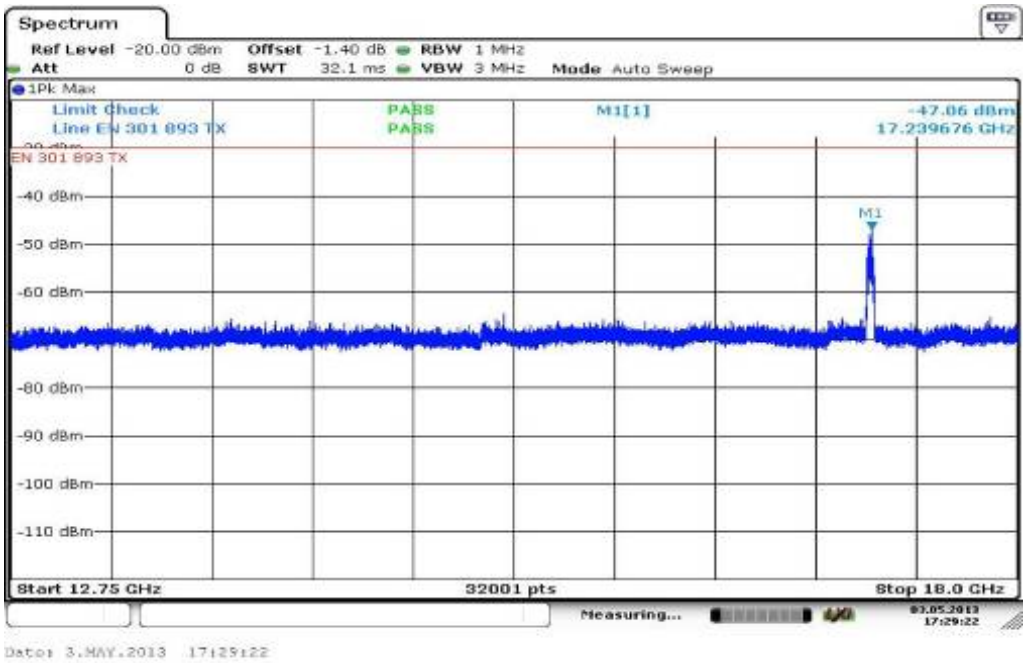
Final Result 1

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	

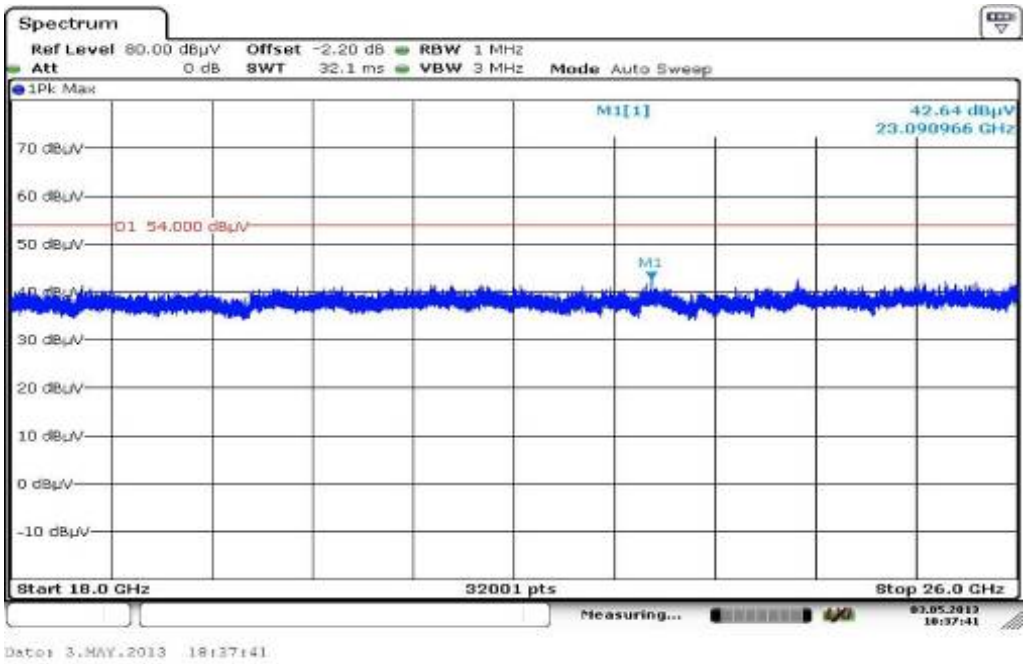
Plot 2: Lowest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



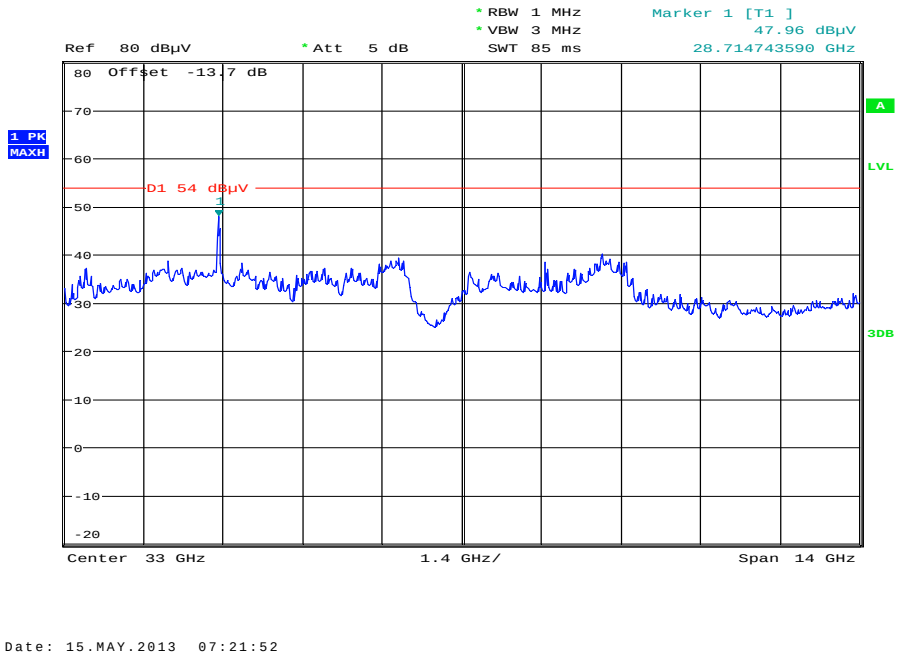
Plot 3: Lowest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



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



Plot 5: Lowest channel, 26 GHz to 40 GHz, vertical & horizontal polarization



Plot 6: Middle channel, 30 MHz to 1 GHz, vertical & horizontal polarization

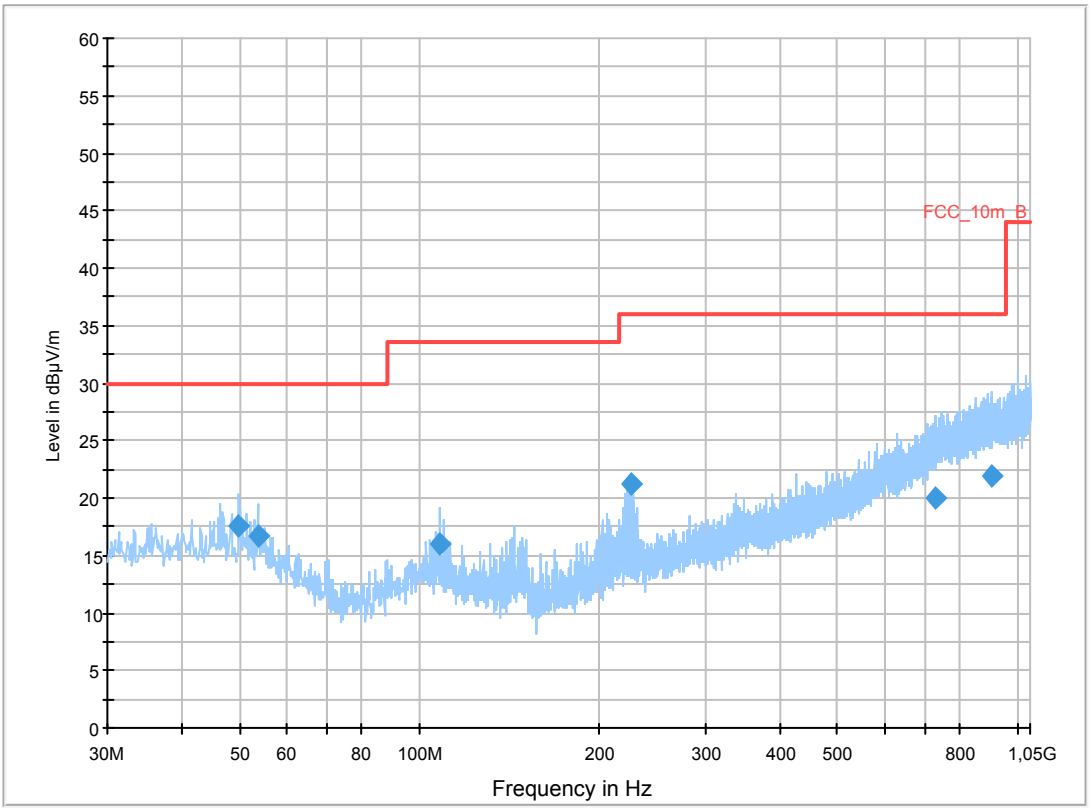
Common Information

EUT:	WLANBV2-A + antenna 453564271931
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan tx n-mode ch157
Operator Name:	Wolsdorfer
Comment:	DC 12V

Scan Setup: STAN_Fin [EMI radiated]

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

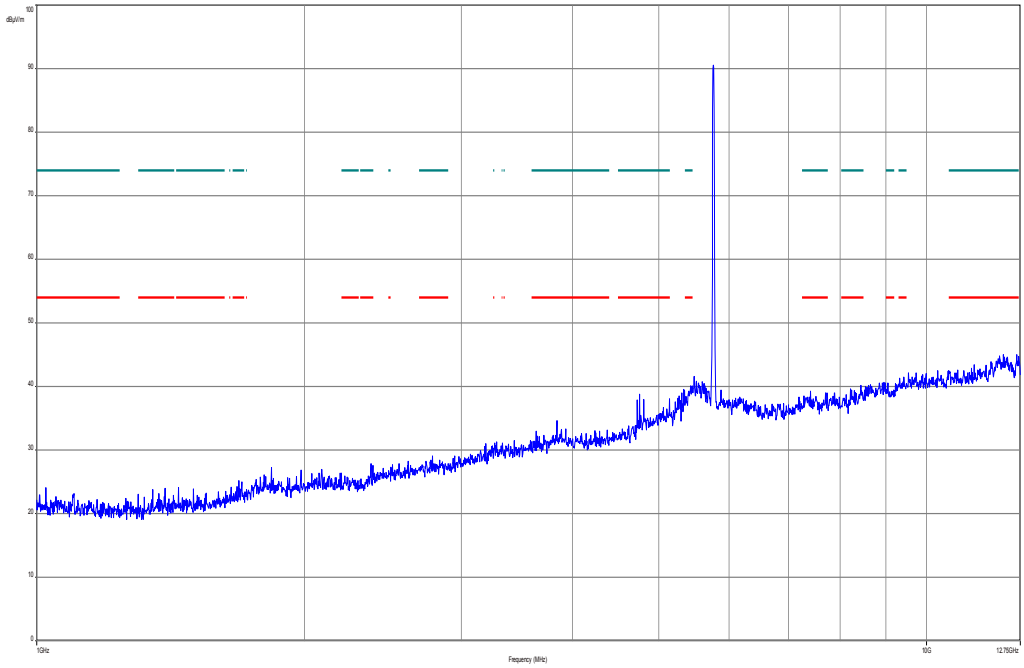
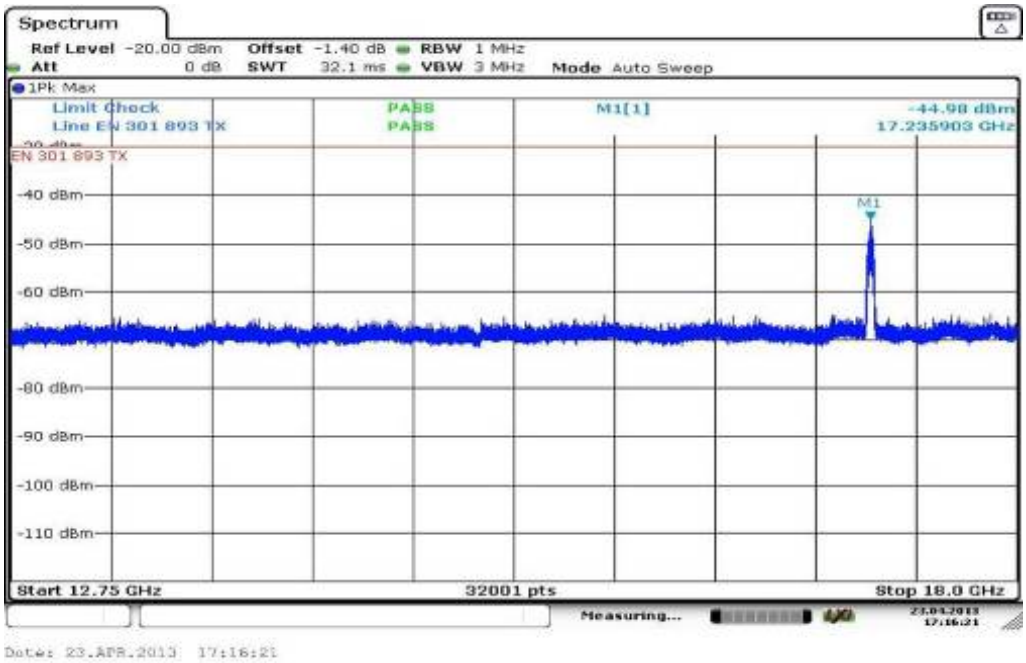
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



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



Plot 8: Middle channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization