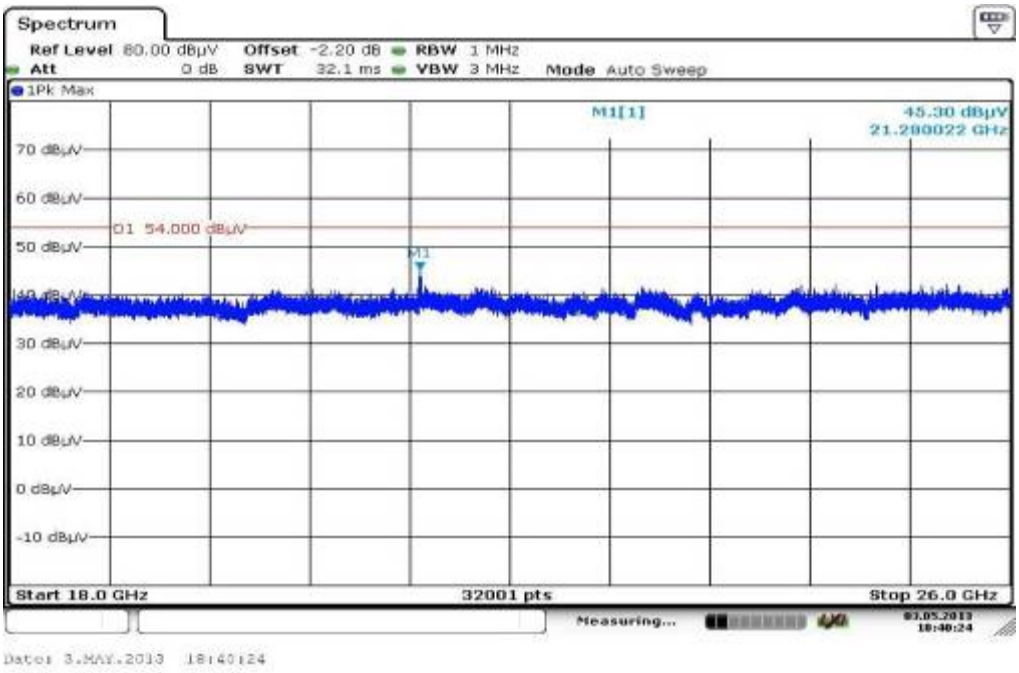
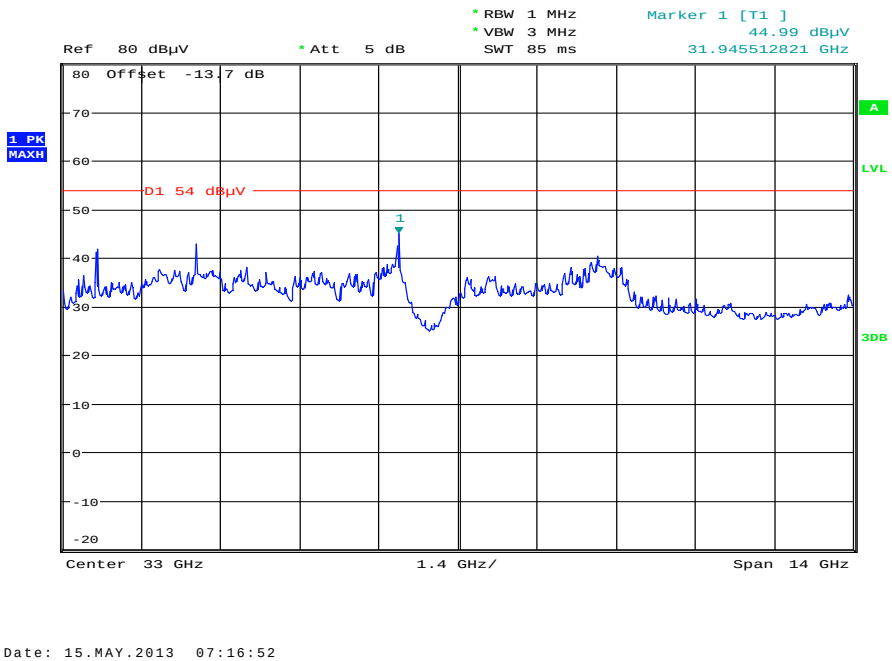
Plot 19: 18 GHz to 26 GHz, 5320 MHz, vertical & horizontal polarization



Plot 20: 26 GHz to 40 GHz, 5320 MHz, vertical & horizontal polarization



Plot 21: 30 MHz to 1 GHz, 5500 MHz, vertical & horizontal polarization

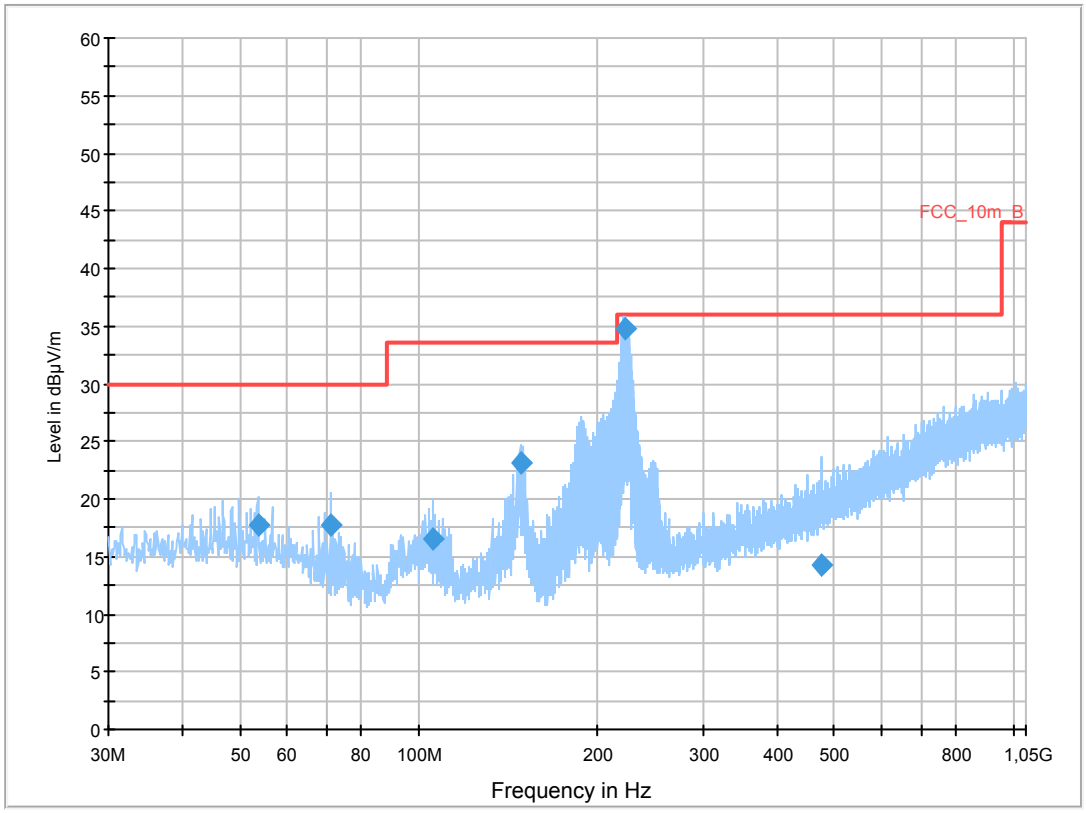
Common Information

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 ch100
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

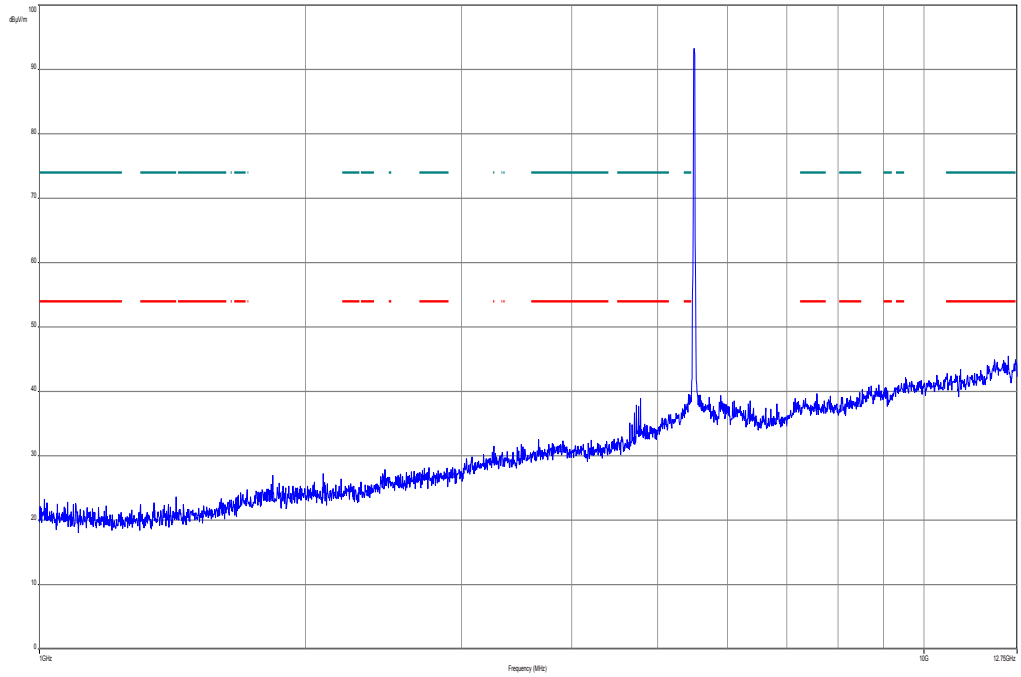
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



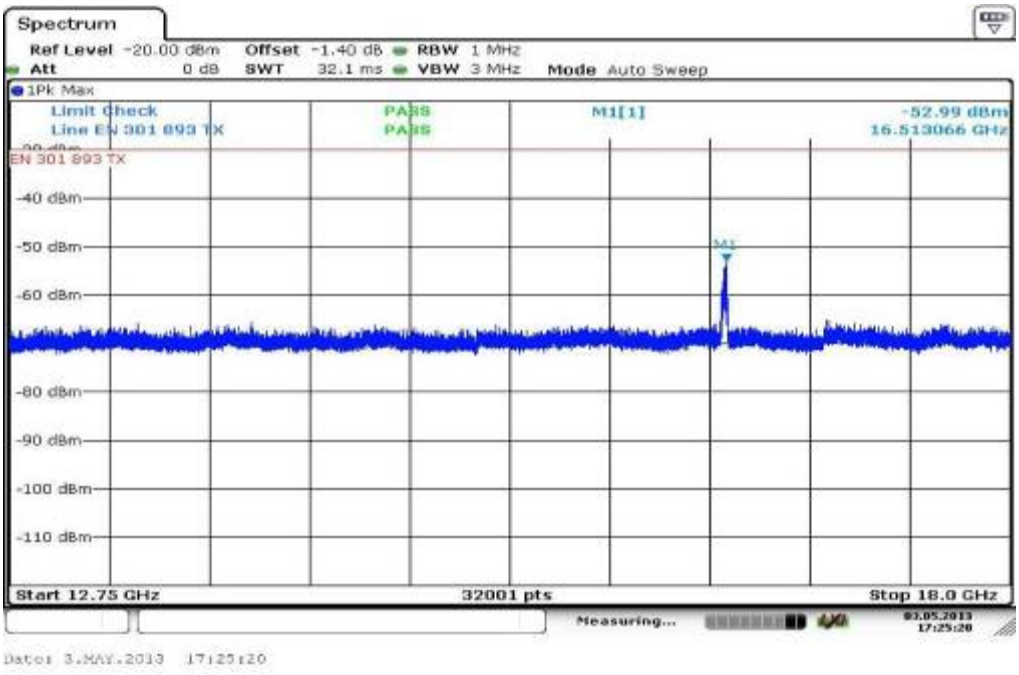
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin - QPK	Limit - QPK (dBµV/m)	Comment
53.563350	17.8	1000.0	120.000	98.0	V	-10.0	13.0	12.2	30.0	
70.924500	17.7	1000.0	120.000	170.0	V	81.0	9.3	12.3	30.0	
105.666900	16.5	1000.0	120.000	154.0	V	272.0	11.4	17.0	33.5	
147.903450	23.1	1000.0	120.000	123.0	V	-9.0	8.9	10.4	33.5	
221.889450	34.8	1000.0	120.000	98.0	V	-2.0	12.4	1.2	36.0	
474.640350	14.3	1000.0	120.000	170.0	H	183.0	18.2	21.7	36.0	

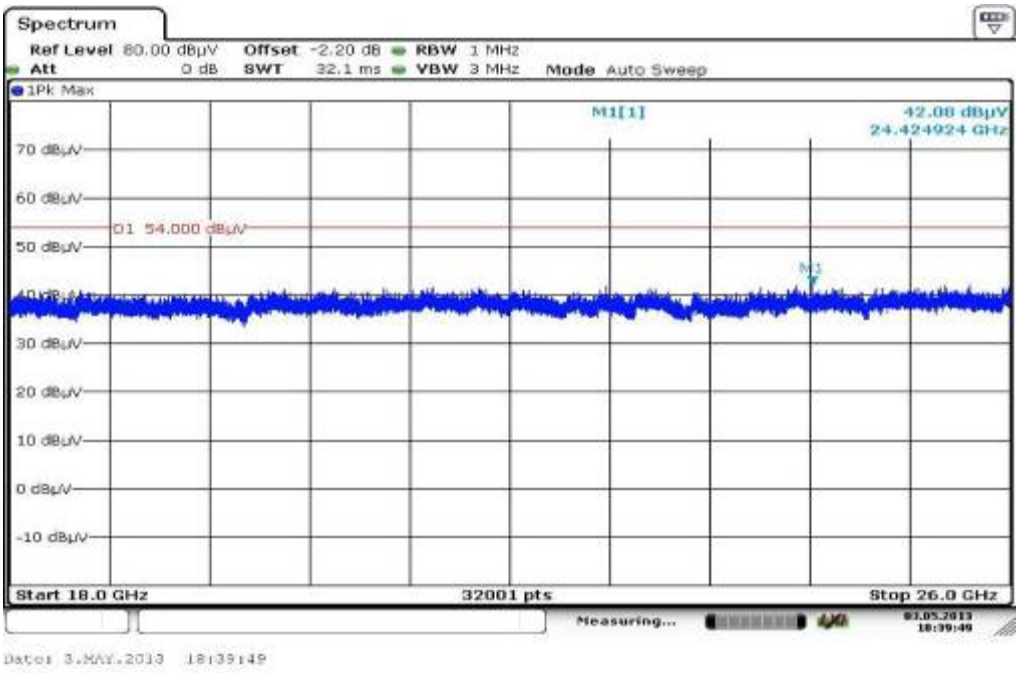
Plot 22: 1 GHz to 12.75 GHz, 5500 MHz, vertical & horizontal polarization



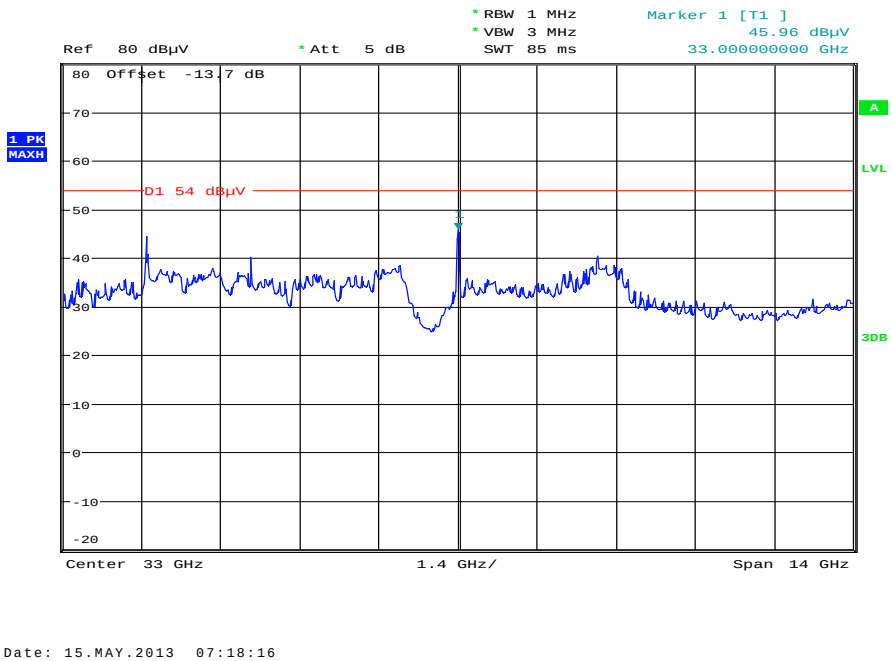
Plot 23: 12 GHz to 18 GHz, 5500 MHz, vertical & horizontal polarization



Plot 24: 18 GHz to 26 GHz, 5500 MHz, vertical & horizontal polarization



Plot 25: 26 GHz to 40 GHz, 5500 MHz, vertical & horizontal polarization



Plot 26: 30 MHz to 1 GHz, 5600 MHz, vertical & horizontal polarization

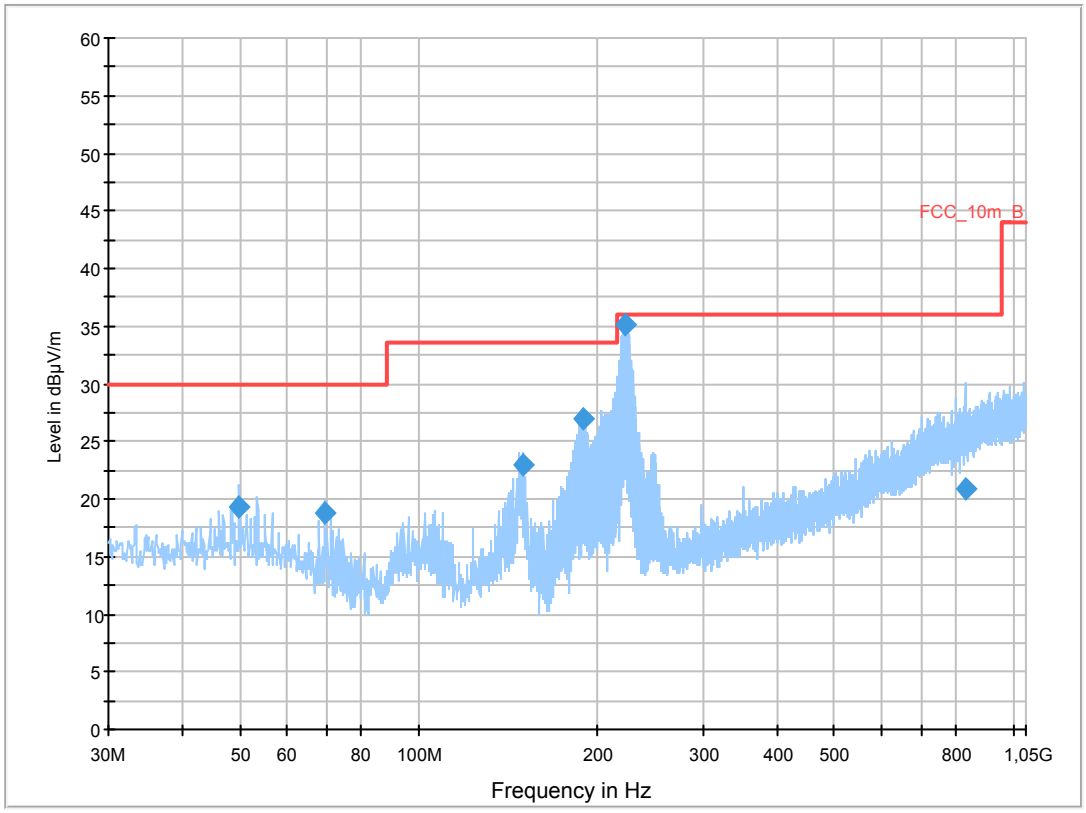
Common Information

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 ch120
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

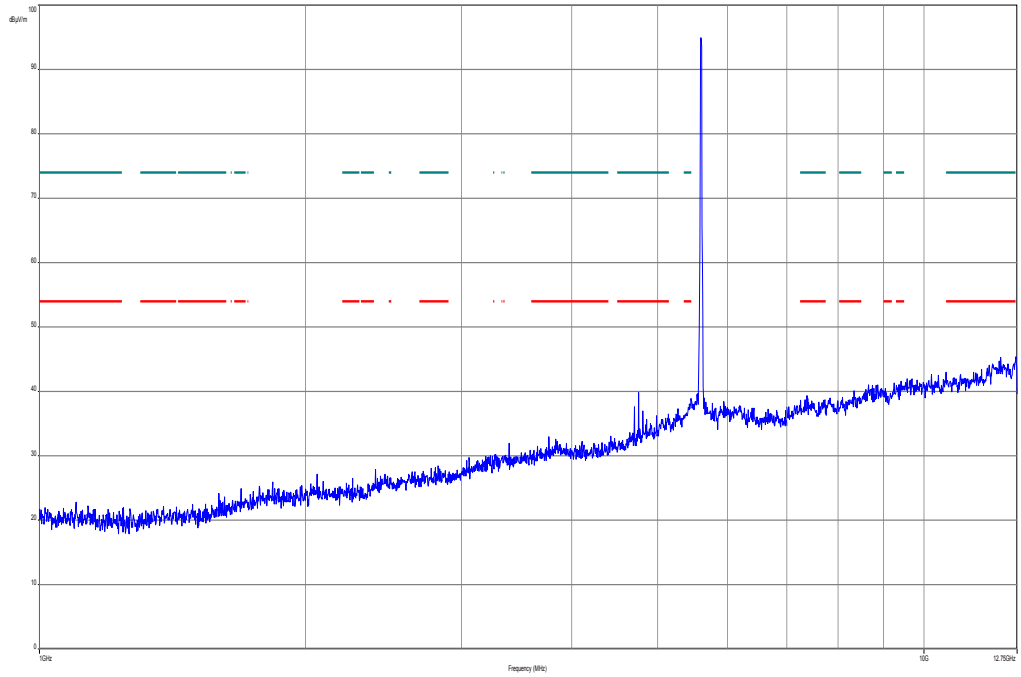
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



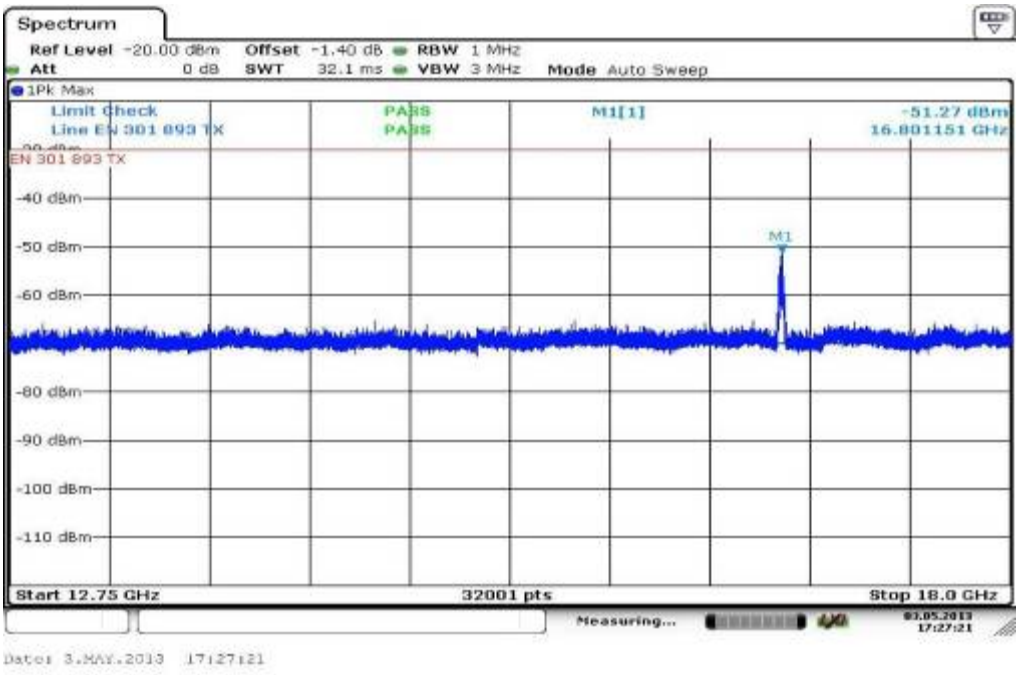
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin - QPK	Limit - QPK (dBµV/m)	Comment
49.798650	19.2	1000.0	120.000	98.0	V	-10.0	13.4	10.8	30.0	
69.418650	18.8	1000.0	120.000	170.0	V	190.0	9.4	11.2	30.0	
149.396250	22.9	1000.0	120.000	98.0	V	-10.0	8.9	10.6	33.5	
189.387000	26.9	1000.0	120.000	98.0	V	10.0	11.0	6.6	33.5	
222.601650	35.1	1000.0	120.000	104.0	V	2.0	12.5	0.9	36.0	
829.221600	20.9	1000.0	120.000	170.0	H	85.0	24.2	15.1	36.0	

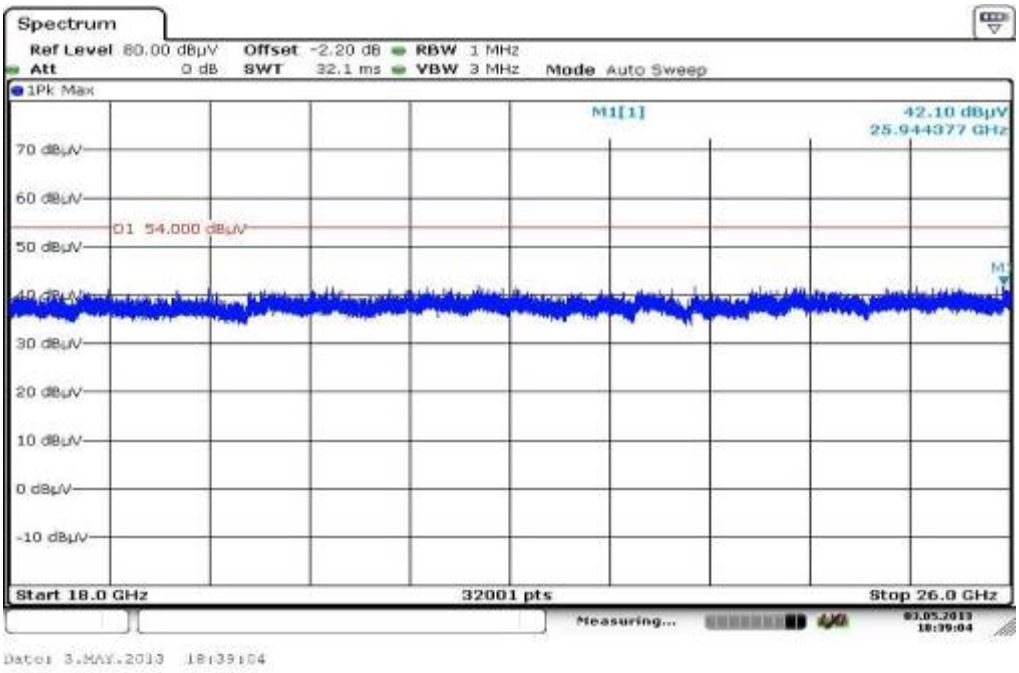
Plot 27: 1 GHz to 12.75 GHz, 5600 MHz, vertical & horizontal polarization



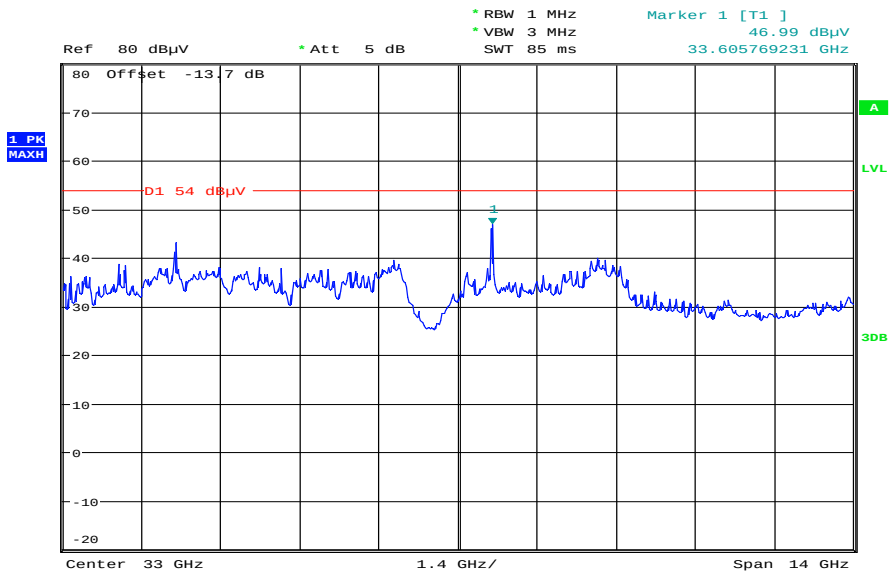
Plot 28: 12 GHz to 18 GHz, 5600 MHz, vertical & horizontal polarization



Plot 29: 18 GHz to 26 GHz, 5600 MHz, vertical & horizontal polarization



Plot 30: 26 GHz to 40 GHz, 5600 MHz, vertical & horizontal polarization



Plot 31: 30 MHz to 1 GHz, 5700 MHz, vertical & horizontal polarization

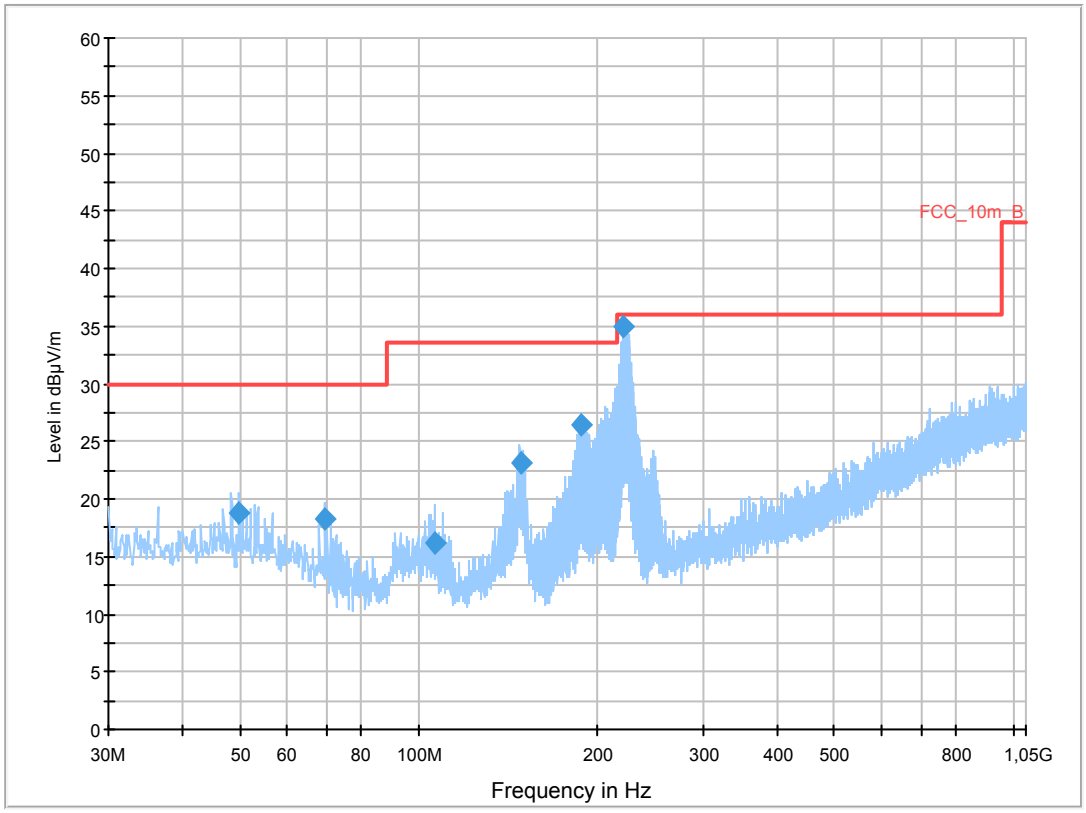
Common Information

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 ch140
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

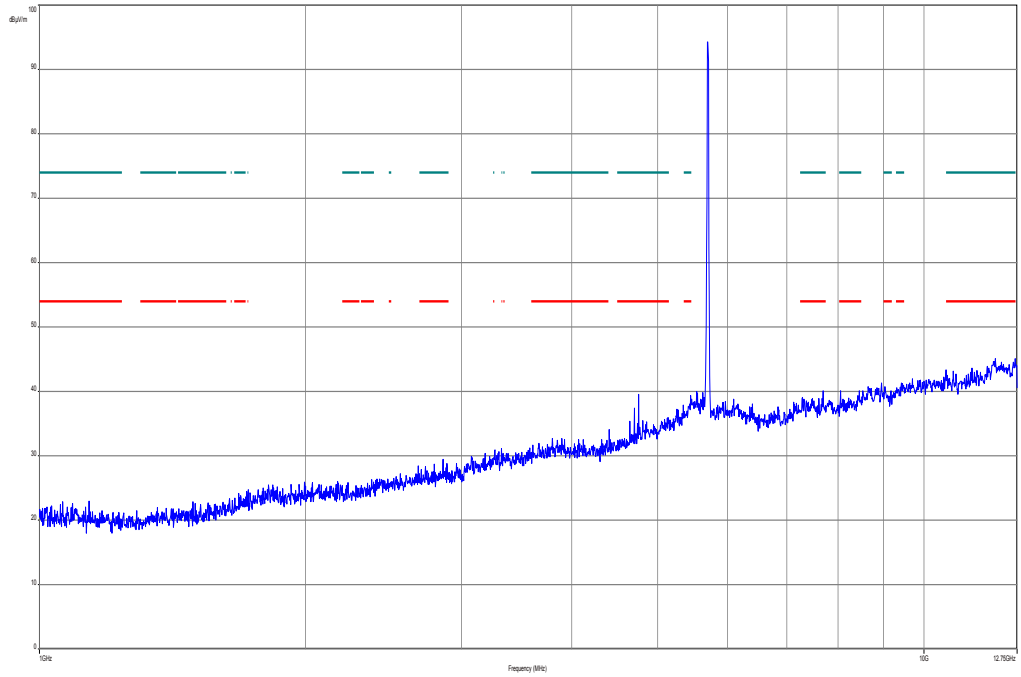
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



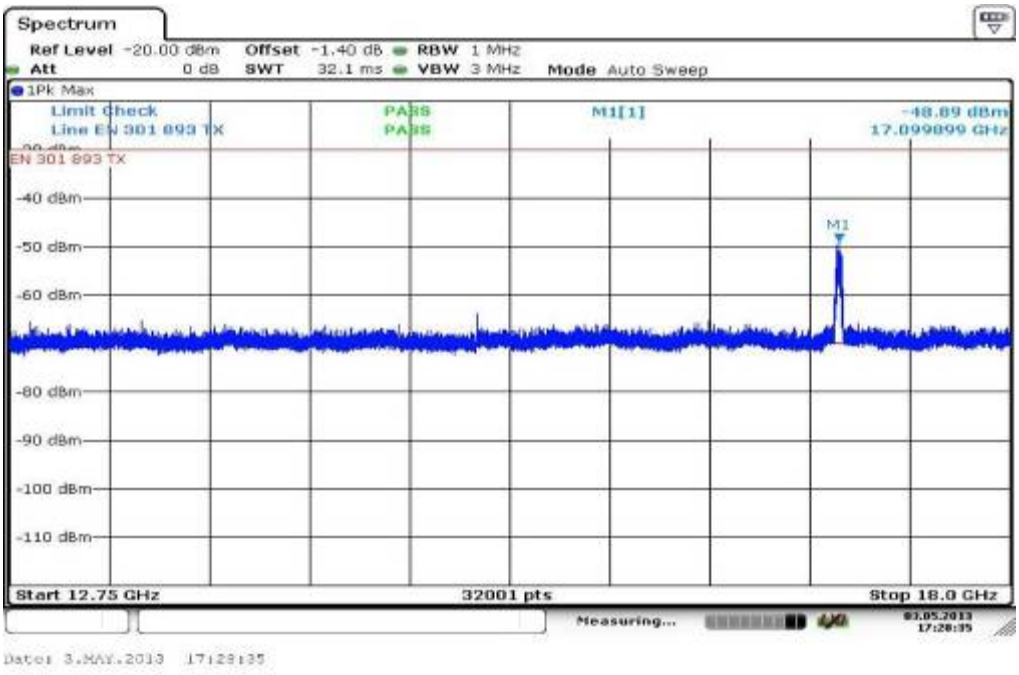
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin - QPK	Limit - QPK (dBµV/m)	Comment
49.789350	18.8	1000.0	120.000	98.0	V	178.0	13.4	11.2	30.0	
69.420450	18.3	1000.0	120.000	162.0	V	178.0	9.4	11.7	30.0	
106.397400	16.2	1000.0	120.000	170.0	V	10.0	11.3	17.3	33.5	
147.899250	23.1	1000.0	120.000	98.0	V	-2.0	8.9	10.4	33.5	
187.163100	26.5	1000.0	120.000	120.0	V	10.0	10.9	7.0	33.5	
221.121150	35.0	1000.0	120.000	98.0	V	-10.0	12.4	1.0	36.0	

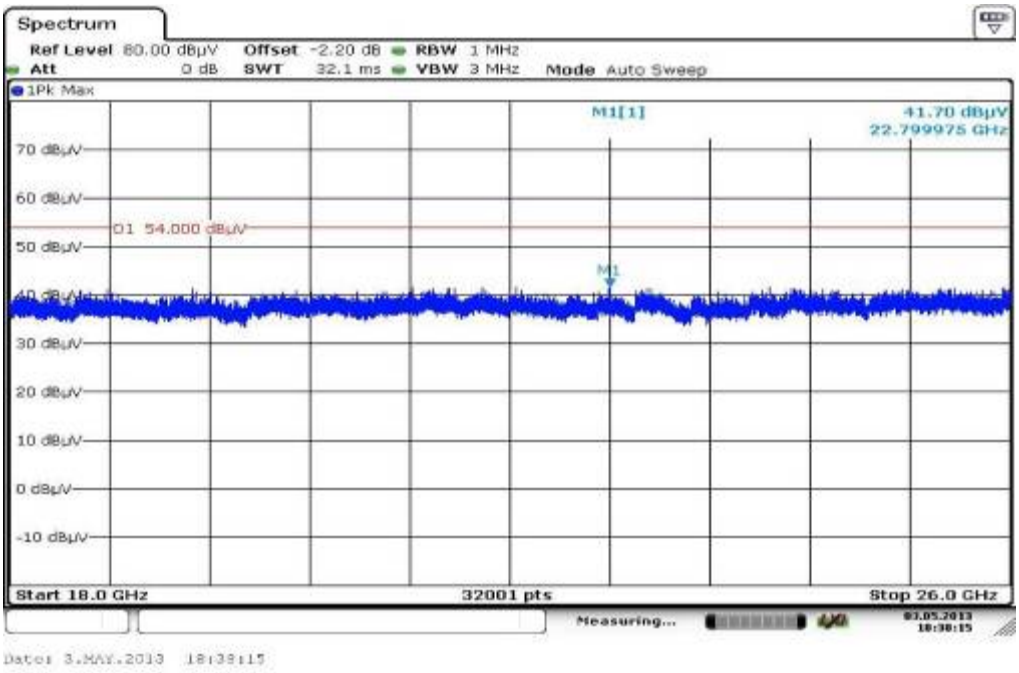
Plot 32: 1 GHz to 12.75 GHz, 5700 MHz, vertical & horizontal polarization



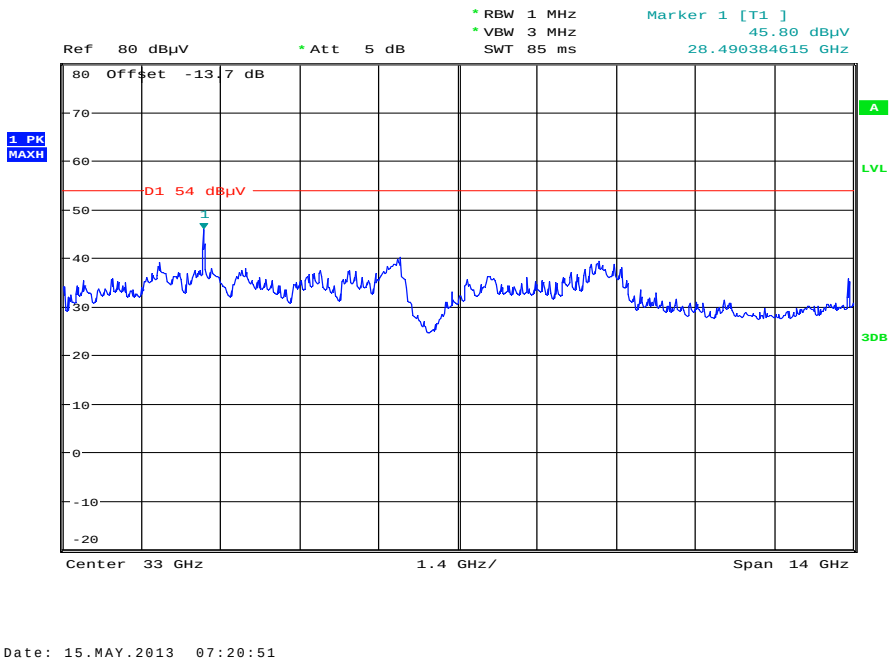
Plot 33: 12 GHz to 18 GHz, 5700 MHz, vertical & horizontal polarization



Plot 34: 18 GHz to 26 GHz, 5700 MHz, vertical & horizontal polarization



Plot 35: 26 GHz to 40 GHz, 5700 MHz, vertical & horizontal polarization



Plots: OFDM / n – mode HT40

Plot 1: 30 MHz to 1 GHz, 5190 MHz, vertical & horizontal polarization

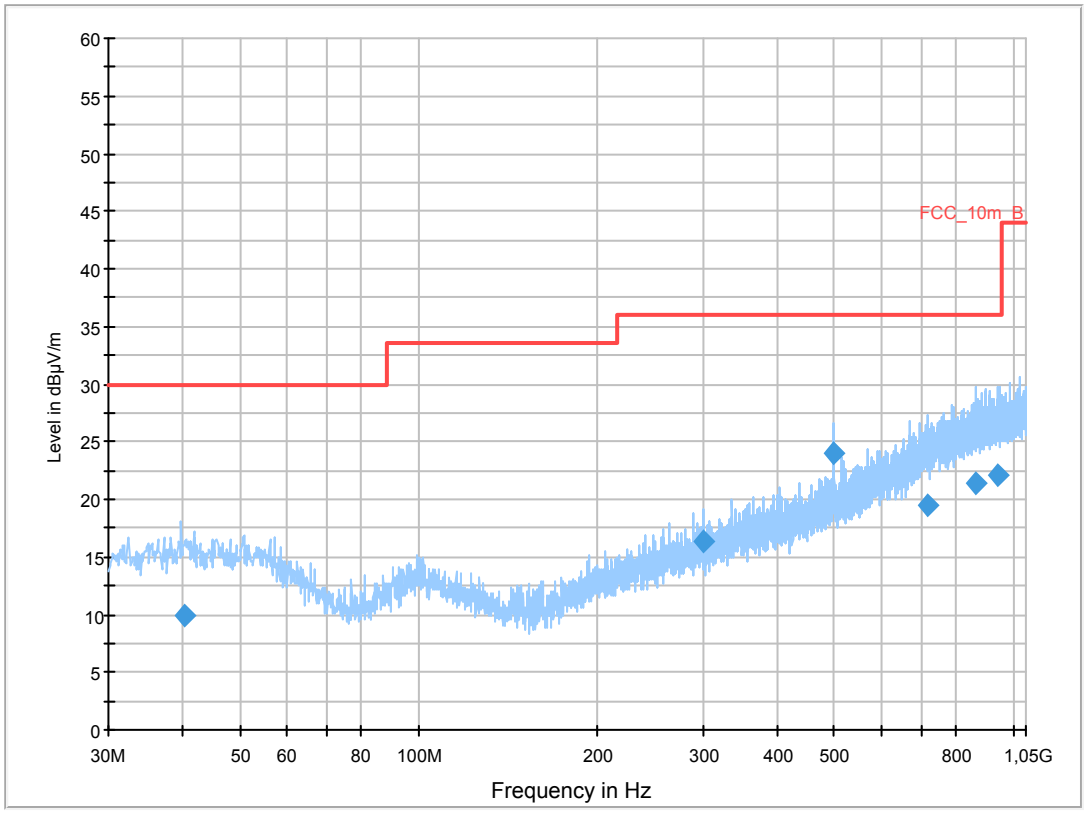
Common Information

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 ch38
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

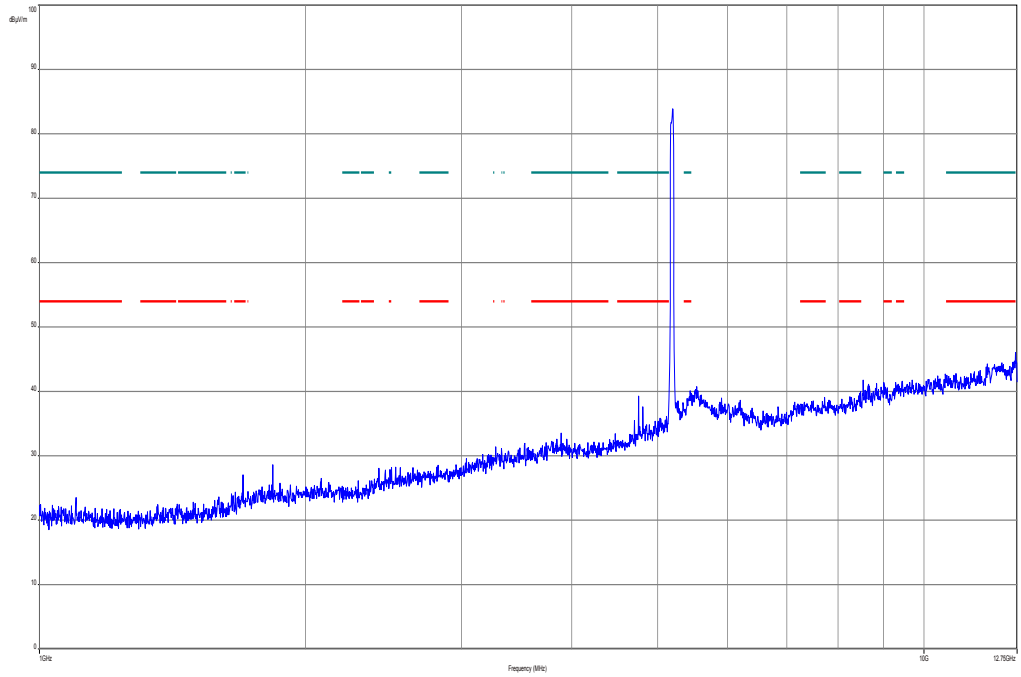
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



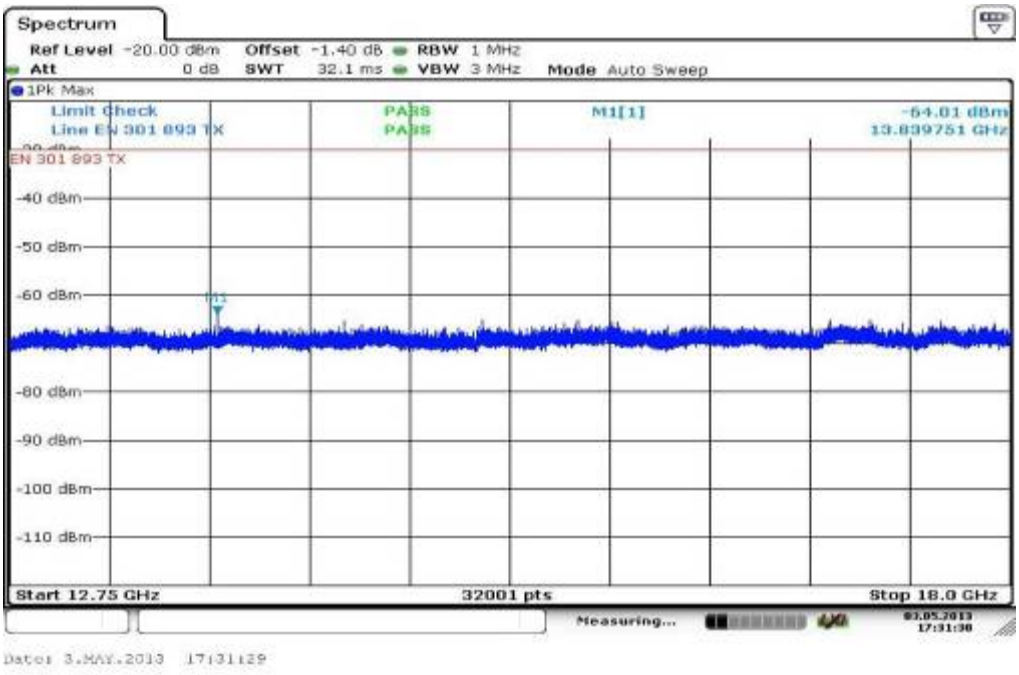
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
40.226700	9.9	1000.0	120.000	170.0	V	190.0	13.4	20.1	30.0	
300.014250	16.4	1000.0	120.000	170.0	V	87.0	14.5	19.6	36.0	
499.981800	24.1	1000.0	120.000	170.0	H	-9.0	18.7	11.9	36.0	
715.766250	19.5	1000.0	120.000	170.0	V	170.0	22.9	16.5	36.0	
862.111800	21.4	1000.0	120.000	170.0	H	-5.0	24.7	14.6	36.0	
942.885000	22.0	1000.0	120.000	170.0	V	4.0	25.3	14.0	36.0	

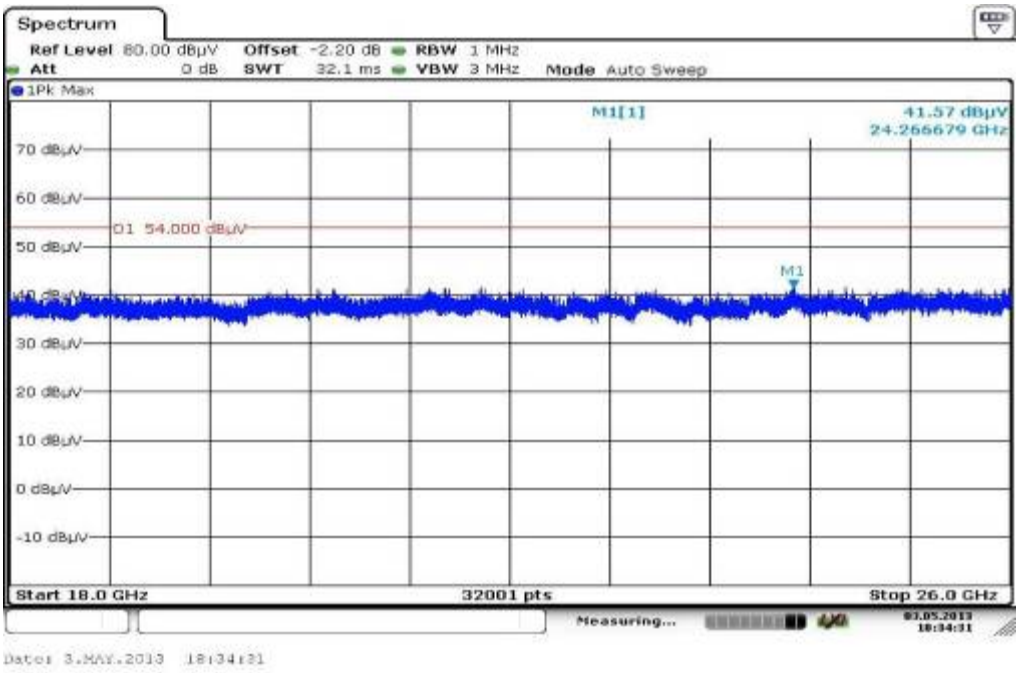
Plot 2: 1 GHz to 12.75 GHz, 5190 MHz, vertical & horizontal polarization



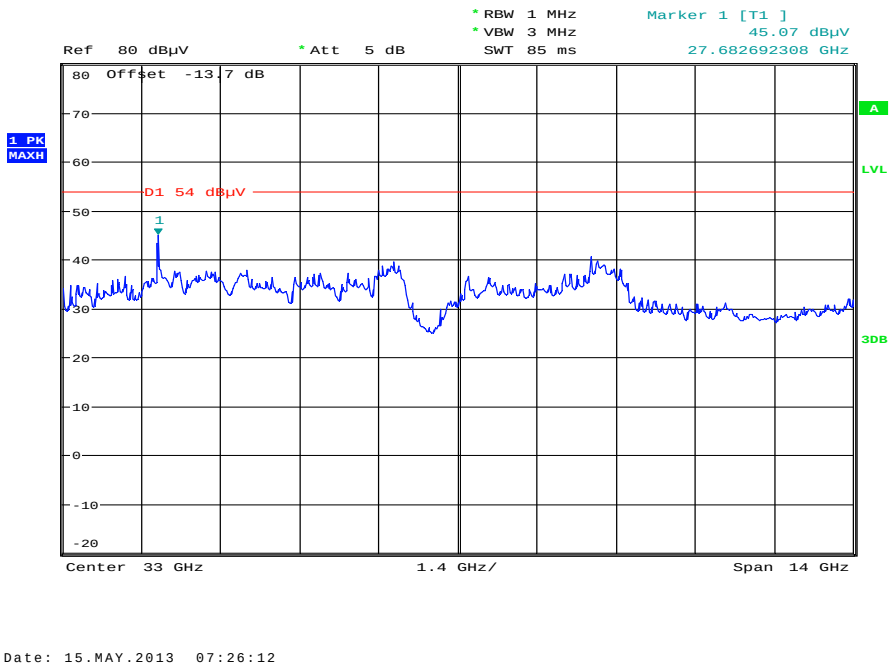
Plot 3: 12 GHz to 18 GHz, 5190 MHz, vertical & horizontal polarization



Plot 4: 18 GHz to 26 GHz, 5190 MHz, vertical & horizontal polarization



Plot 5: 26 GHz to 40 GHz, 5190 MHz, vertical & horizontal polarization



Plot 6: 30 MHz to 1 GHz, 5230 MHz, vertical & horizontal polarization

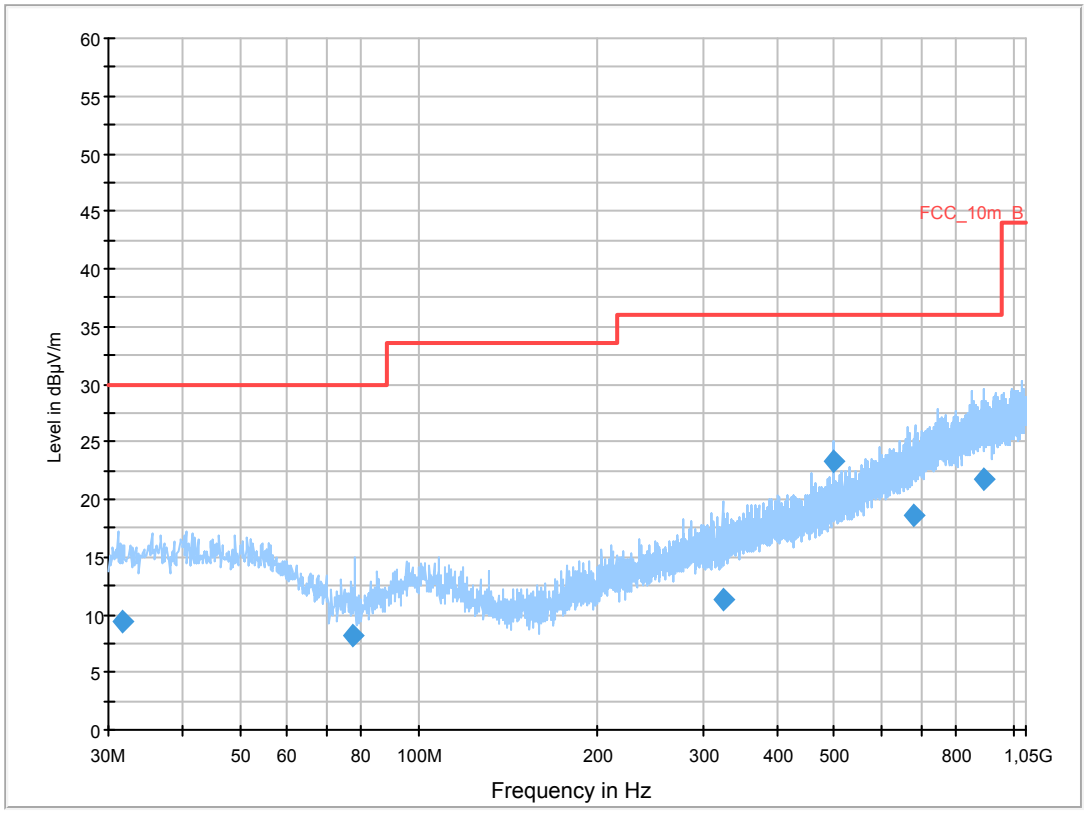
Common Information

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 ch46
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

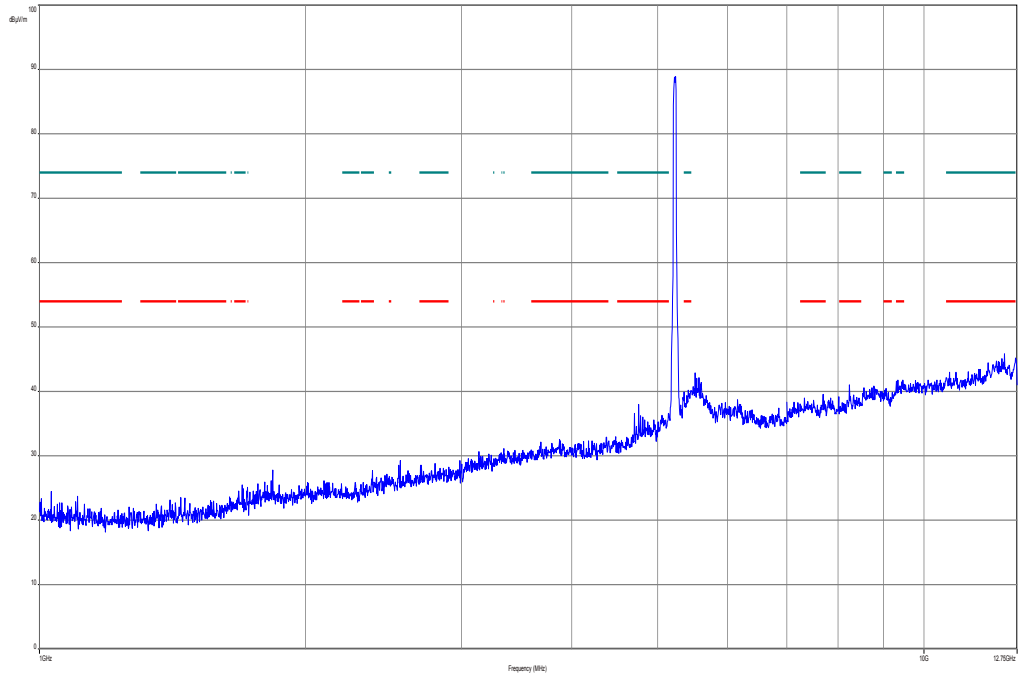
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



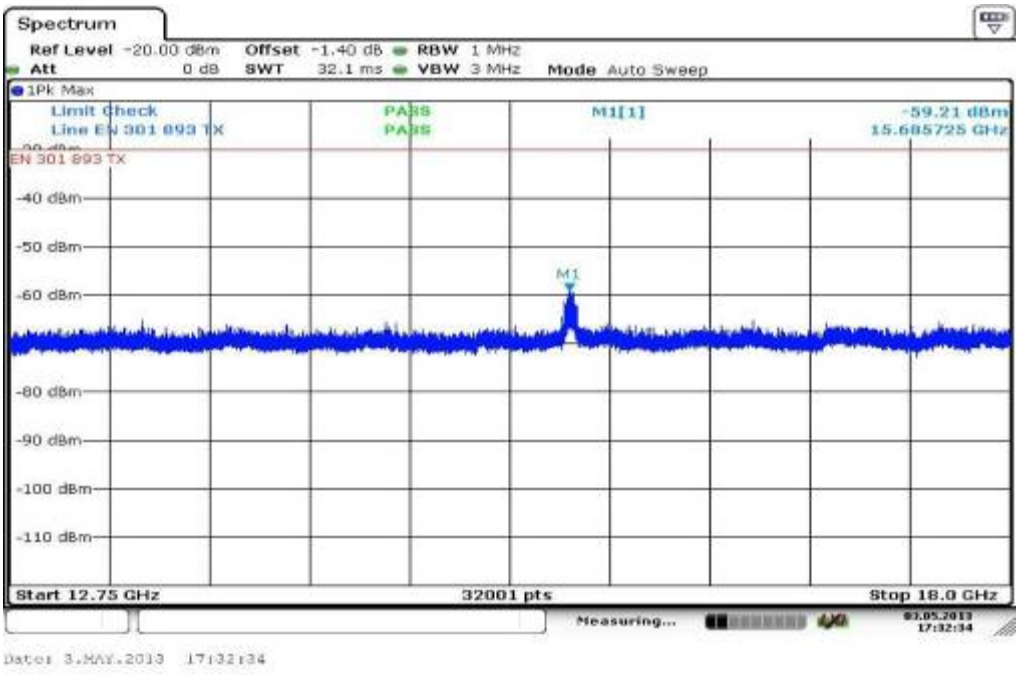
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
31.657200	9.3	1000.0	120.000	153.0	H	85.0	12.7	20.7	30.0	
77.568300	8.1	1000.0	120.000	170.0	V	10.0	9.1	21.9	30.0	
324.017250	11.2	1000.0	120.000	170.0	H	183.0	15.3	24.8	36.0	
500.030100	23.3	1000.0	120.000	170.0	H	3.0	18.7	12.7	36.0	
682.044000	18.5	1000.0	120.000	170.0	H	182.0	22.0	17.5	36.0	
892.601400	21.7	1000.0	120.000	170.0	V	182.0	25.1	14.3	36.0	

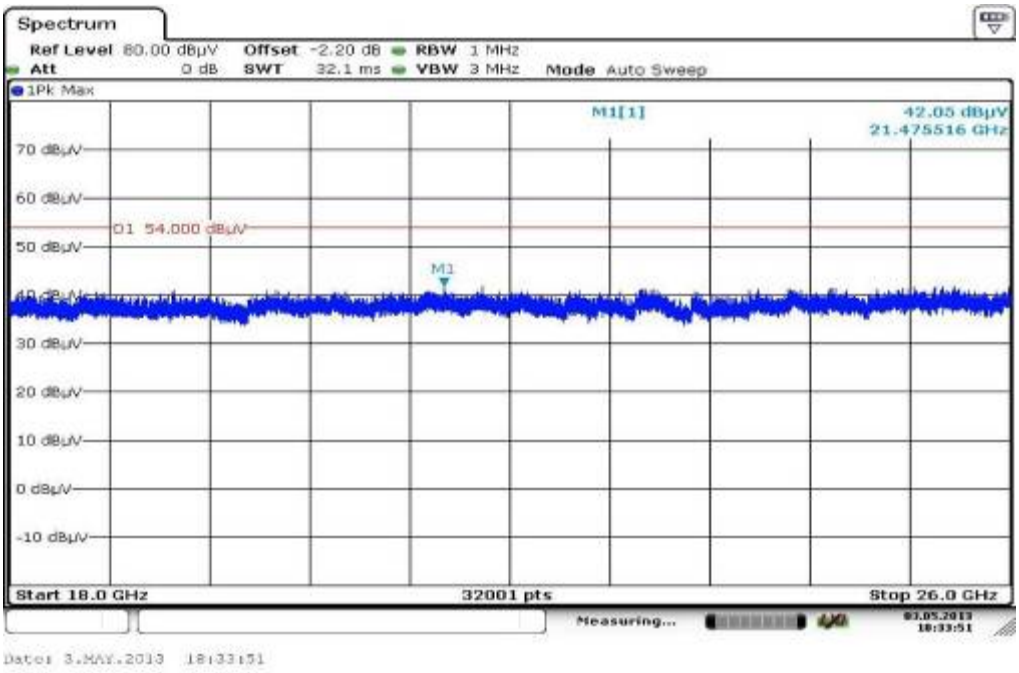
Plot 7: 1 GHz to 12.75 GHz, 5230 MHz, vertical & horizontal polarization



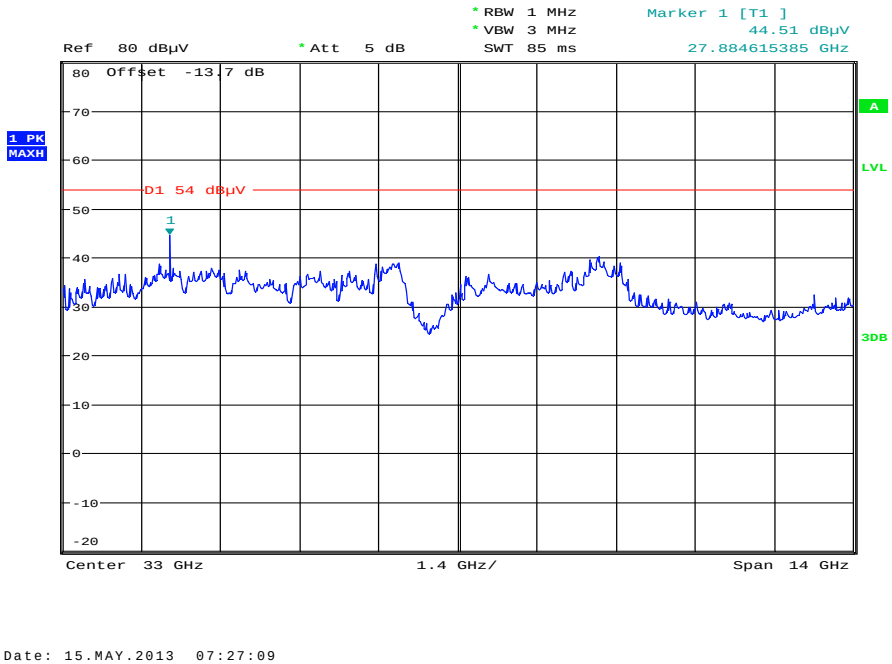
Plot 8: 12 GHz to 18 GHz, 5230 MHz, vertical & horizontal polarization



Plot 9: 18 GHz to 26 GHz, 5230 MHz, vertical & horizontal polarization



Plot 10: 26 GHz to 40 GHz, 5230 MHz, vertical & horizontal polarization



Plot 11: 30 MHz to 1 GHz, 5270 MHz, vertical & horizontal polarization

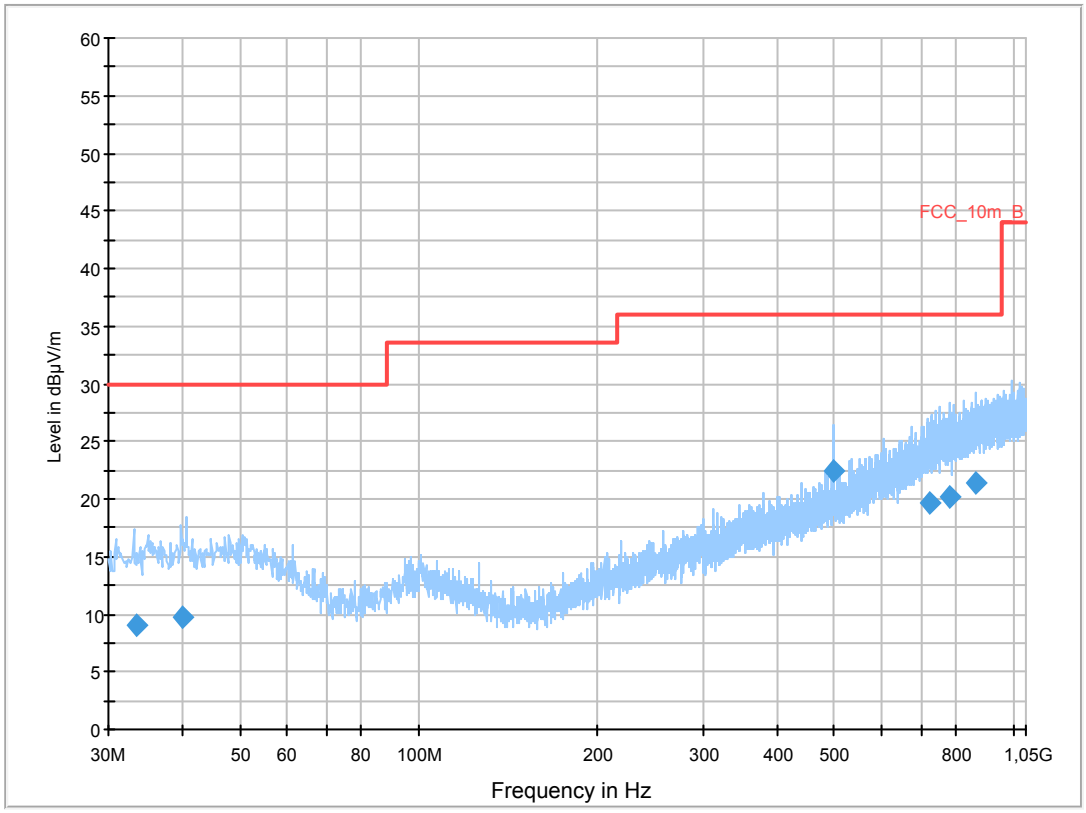
Common Information

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 @5270MHz
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

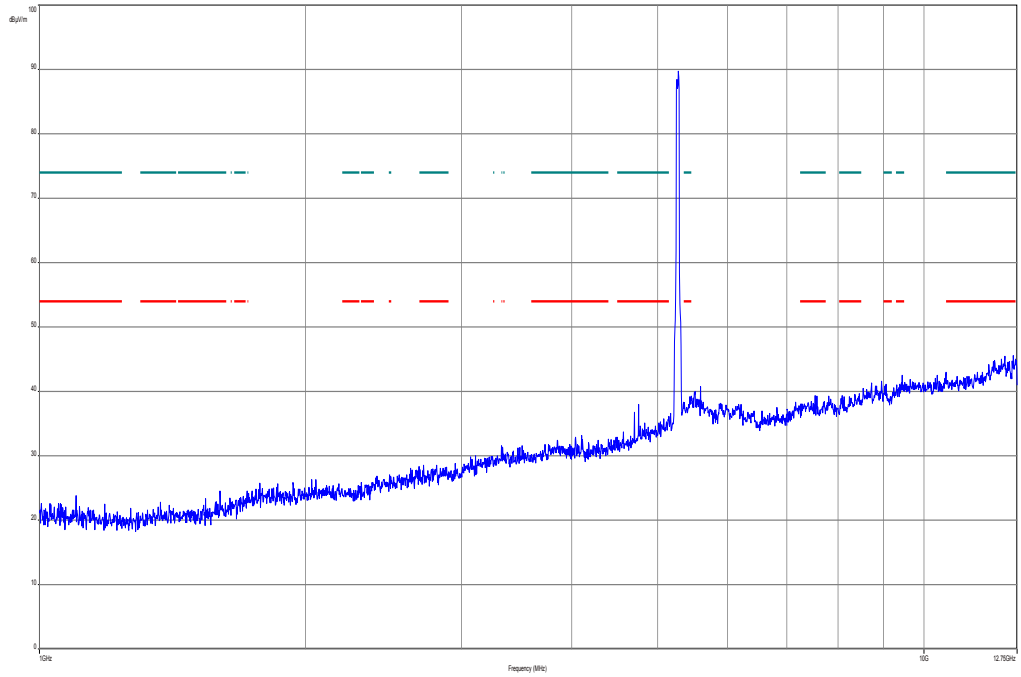
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



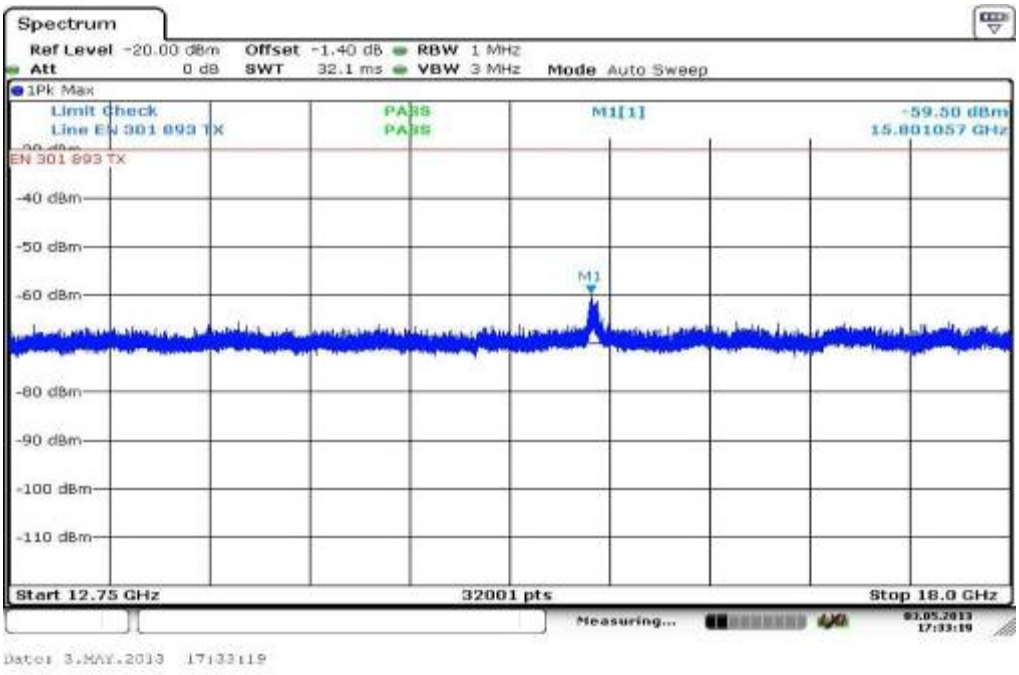
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
33.319500	9.0	1000.0	120.000	170.0	V	273.0	12.9	21.0	30.0	
40.054050	9.8	1000.0	120.000	170.0	H	-2.0	13.4	20.2	30.0	
499.958550	22.4	1000.0	120.000	170.0	H	-10.0	18.7	13.6	36.0	
726.058200	19.6	1000.0	120.000	133.0	V	273.0	23.1	16.4	36.0	
782.587800	20.1	1000.0	120.000	170.0	H	265.0	23.7	15.9	36.0	
865.817400	21.4	1000.0	120.000	170.0	H	-5.0	24.8	14.6	36.0	

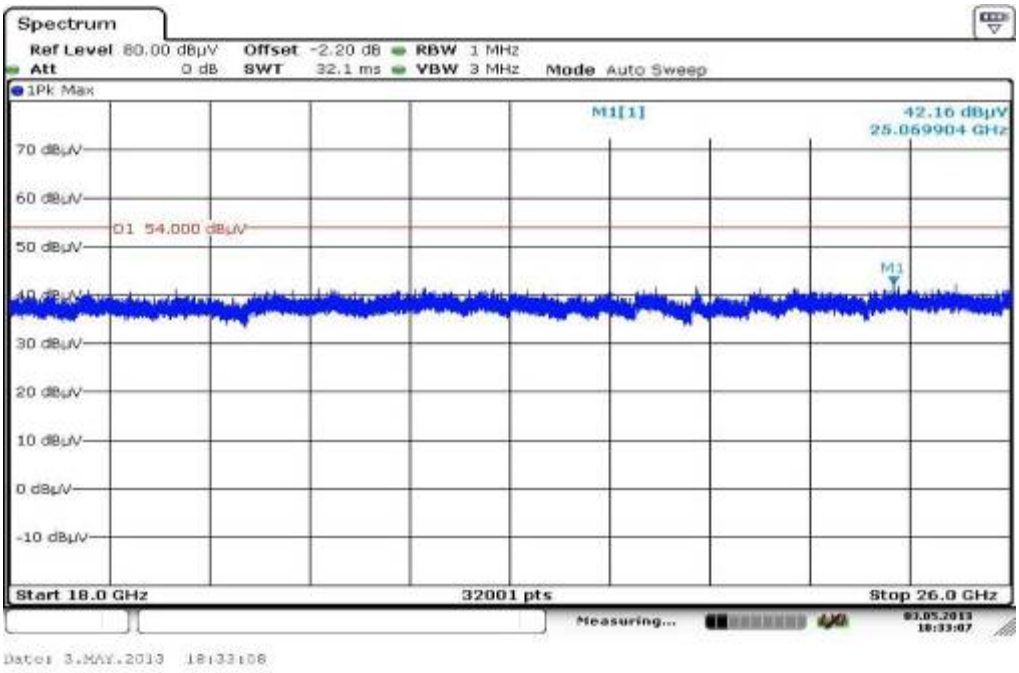
Plot 12: 1 GHz to 12.75 GHz, 5270 MHz, vertical & horizontal polarization



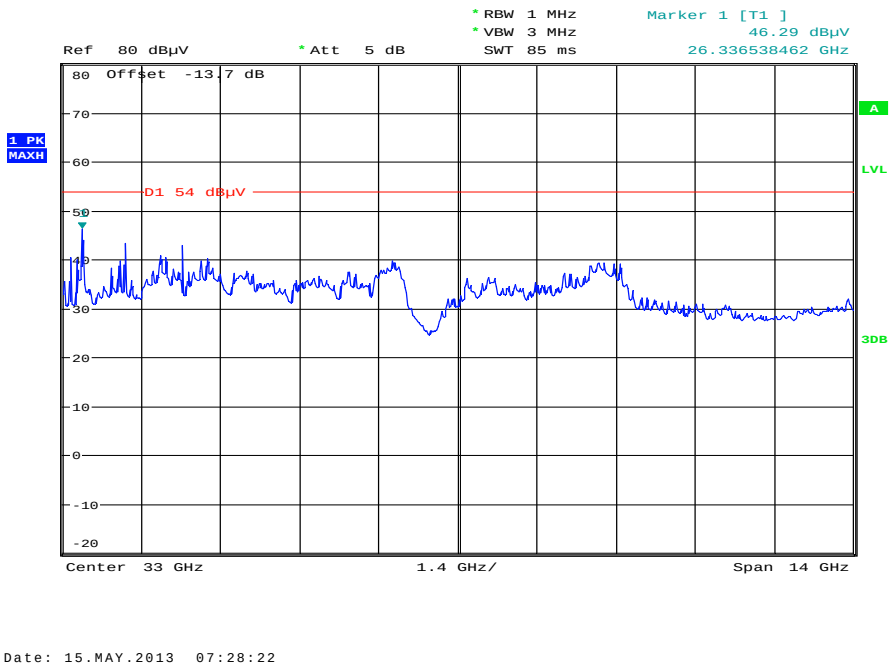
Plot 13: 12 GHz to 18 GHz, 5270 MHz, vertical & horizontal polarization



Plot 14: 18 GHz to 26 GHz, 5270 MHz, vertical & horizontal polarization



Plot 15: 26 GHz to 40 GHz, 5270 MHz, vertical & horizontal polarization



Plot 16: 30 MHz to 1 GHz, 5310 MHz, vertical & horizontal polarization

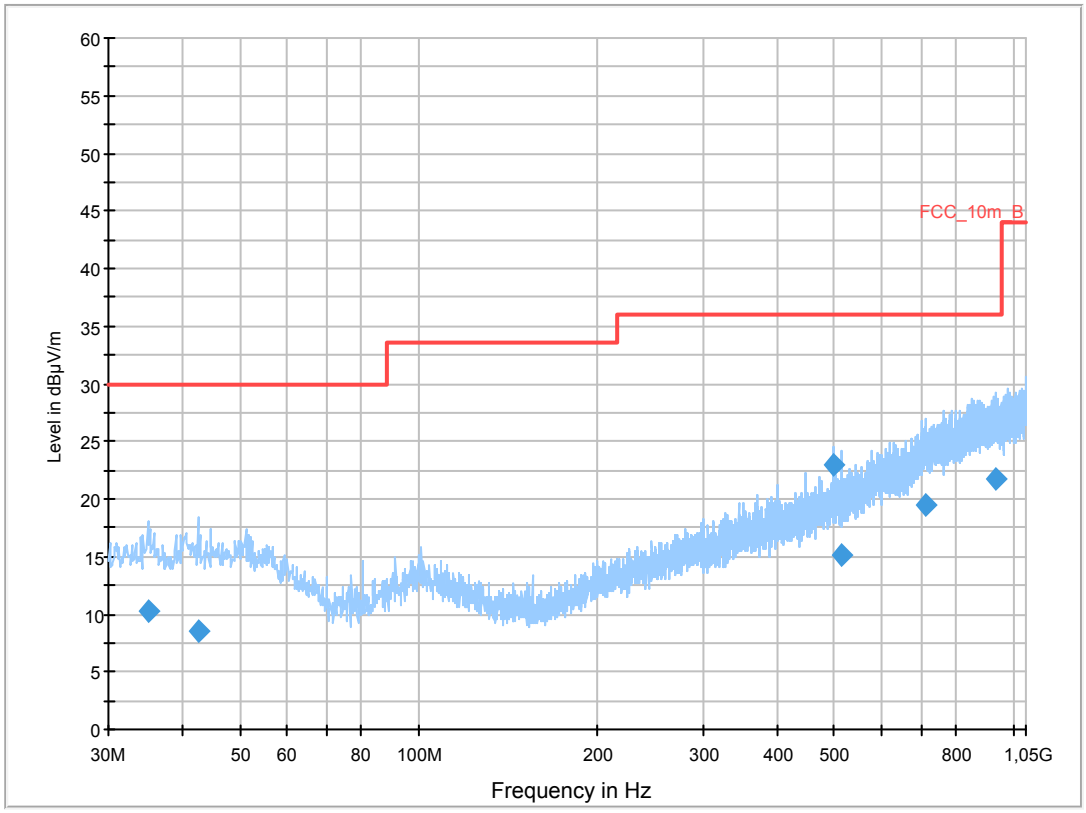
Common Information

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 @5310MHz
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

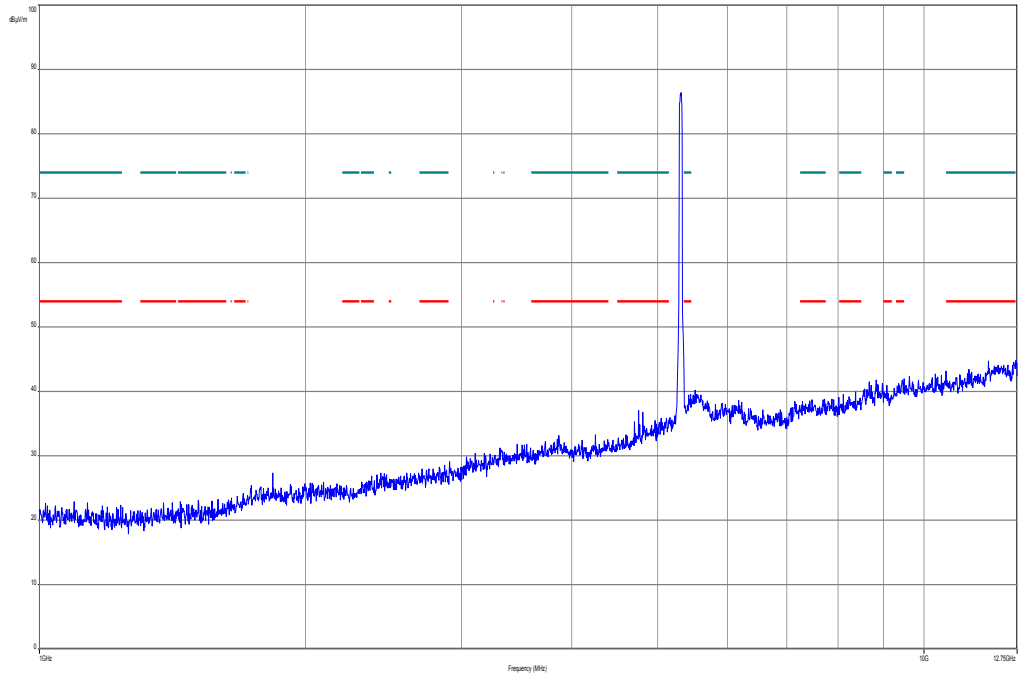
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



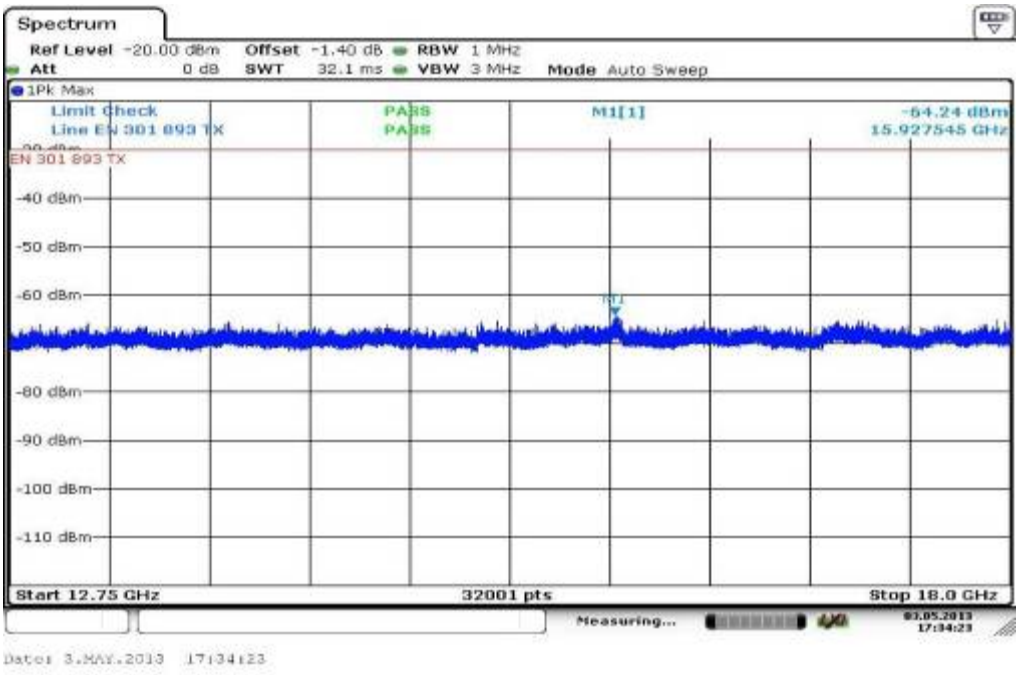
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
35.072100	10.2	1000.0	120.000	161.0	V	280.0	13.0	19.8	30.0	
42.681600	8.5	1000.0	120.000	170.0	H	90.0	13.3	21.5	30.0	
500.029050	23.0	1000.0	120.000	170.0	H	190.0	18.7	13.0	36.0	
515.320500	15.1	1000.0	120.000	143.0	V	190.0	18.9	20.9	36.0	
713.522700	19.5	1000.0	120.000	132.0	H	178.0	22.8	16.5	36.0	
937.930200	21.8	1000.0	120.000	170.0	H	10.0	25.3	14.2	36.0	

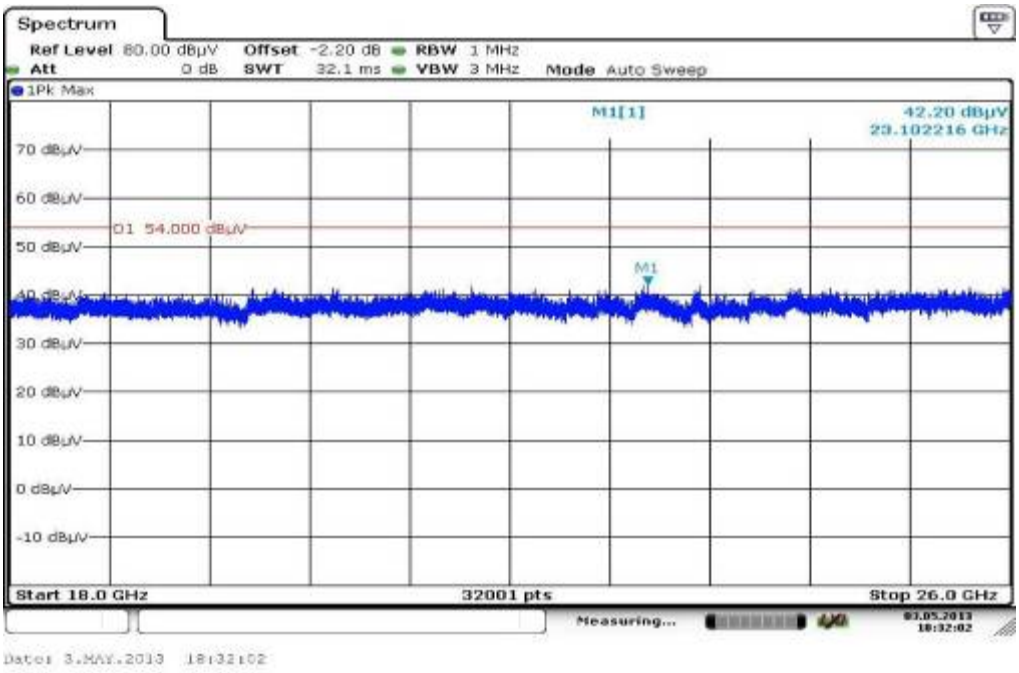
Plot 17: 1 GHz to 12.75 GHz, 5310 MHz, vertical & horizontal polarization



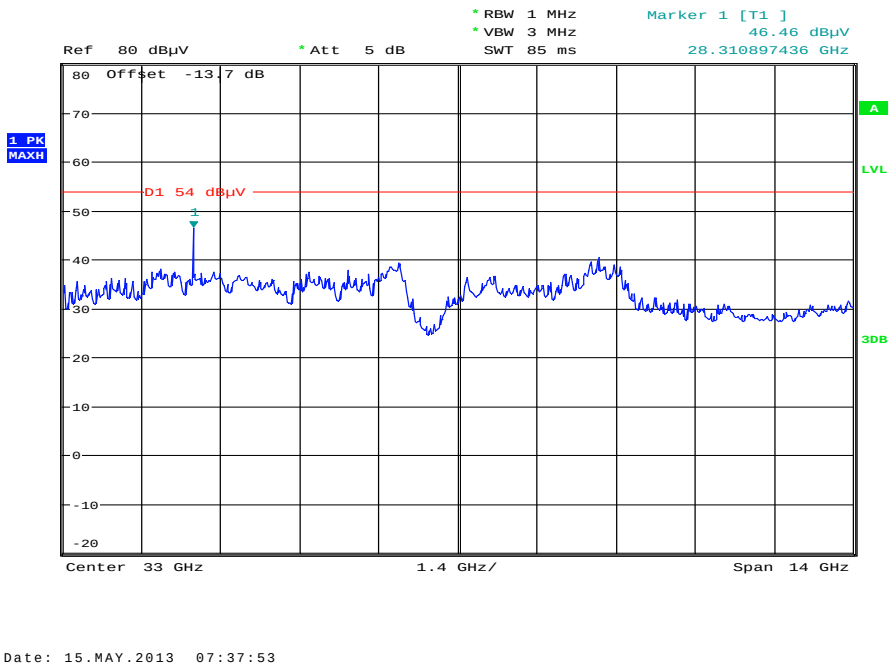
Plot 18: 12 GHz to 18 GHz, 5310 MHz, vertical & horizontal polarization



Plot 19: 18 GHz to 26 GHz, 5310 MHz, vertical & horizontal polarization



Plot 20: 26 GHz to 40 GHz, 5310 MHz, vertical & horizontal polarization



Plot 21: 30 MHz to 1 GHz, 5510 MHz, vertical & horizontal polarization

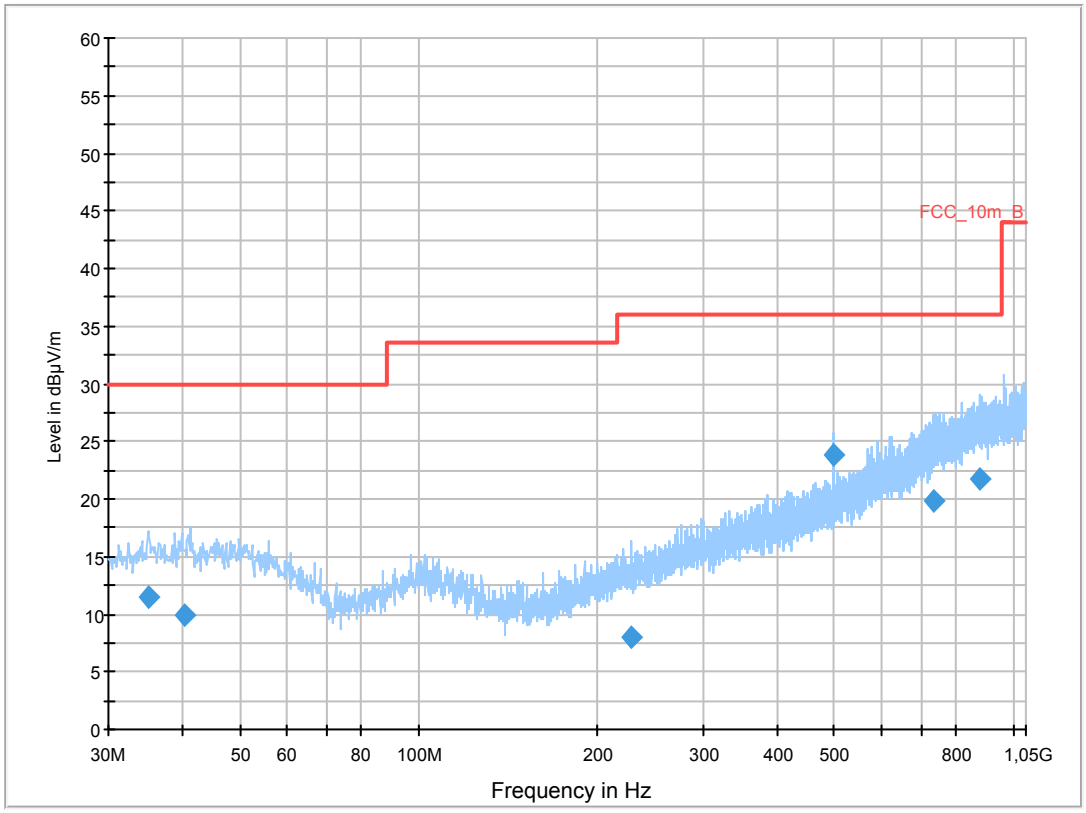
Common Information

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 @5510MHz
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

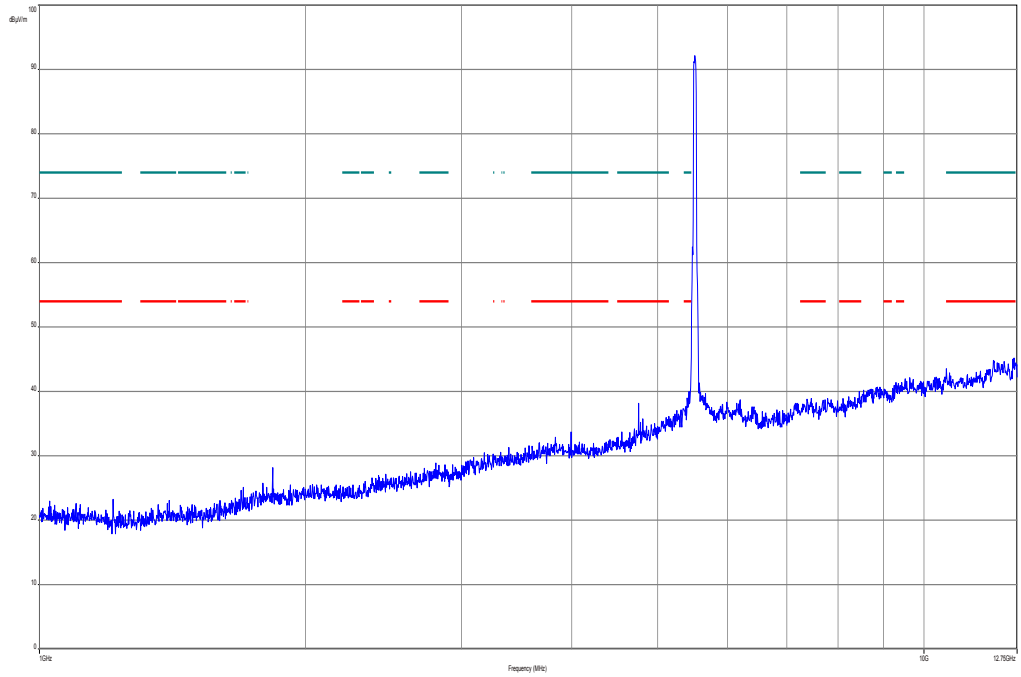
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



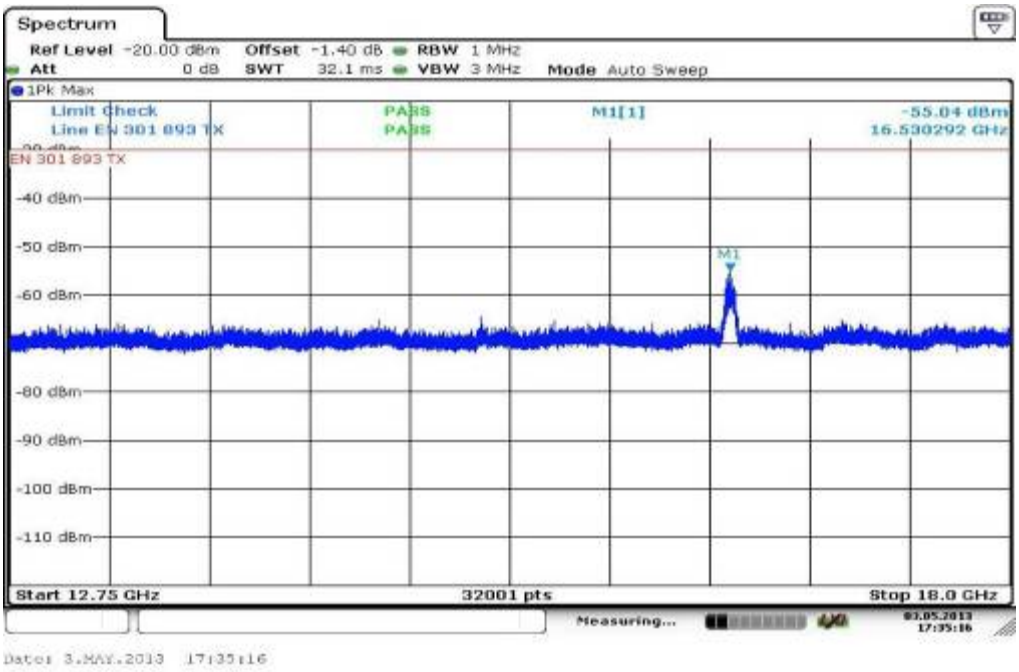
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
34.985850	11.4	1000.0	120.000	111.0	V	85.0	13.0	18.6	30.0	
40.364850	10.0	1000.0	120.000	104.0	V	100.0	13.4	20.0	30.0	
228.066600	8.0	1000.0	120.000	170.0	H	190.0	12.6	28.0	36.0	
500.032800	23.9	1000.0	120.000	170.0	H	-5.0	18.7	12.1	36.0	
733.172850	19.9	1000.0	120.000	170.0	V	182.0	23.3	16.1	36.0	
880.797000	21.7	1000.0	120.000	170.0	V	90.0	25.0	14.3	36.0	

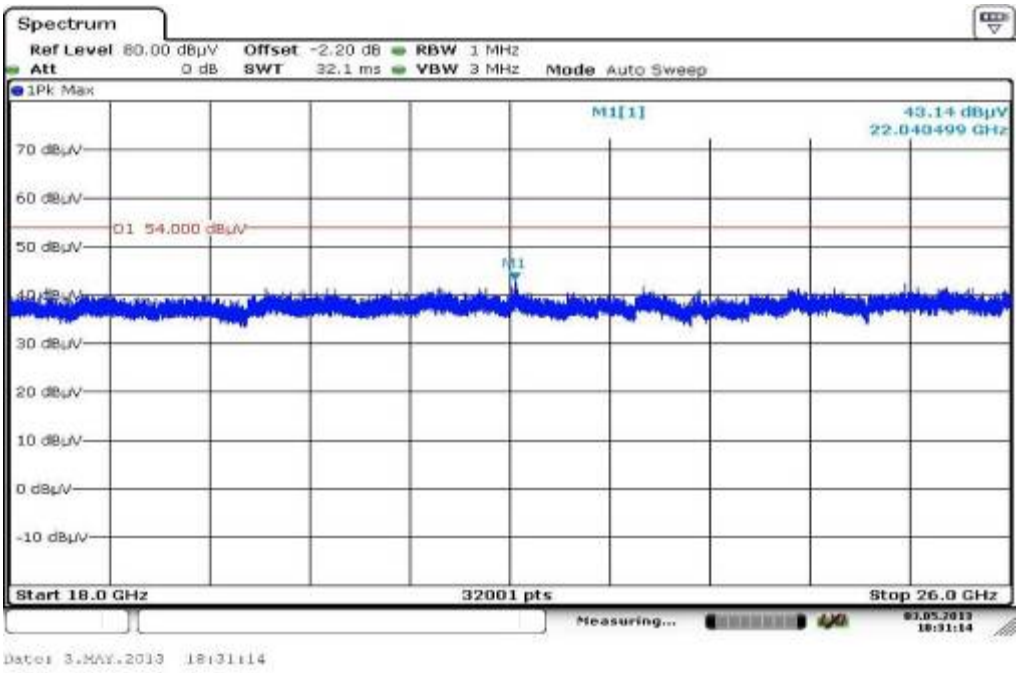
Plot 22: 1 GHz to 12.75 GHz, 5510 MHz, vertical & horizontal polarization



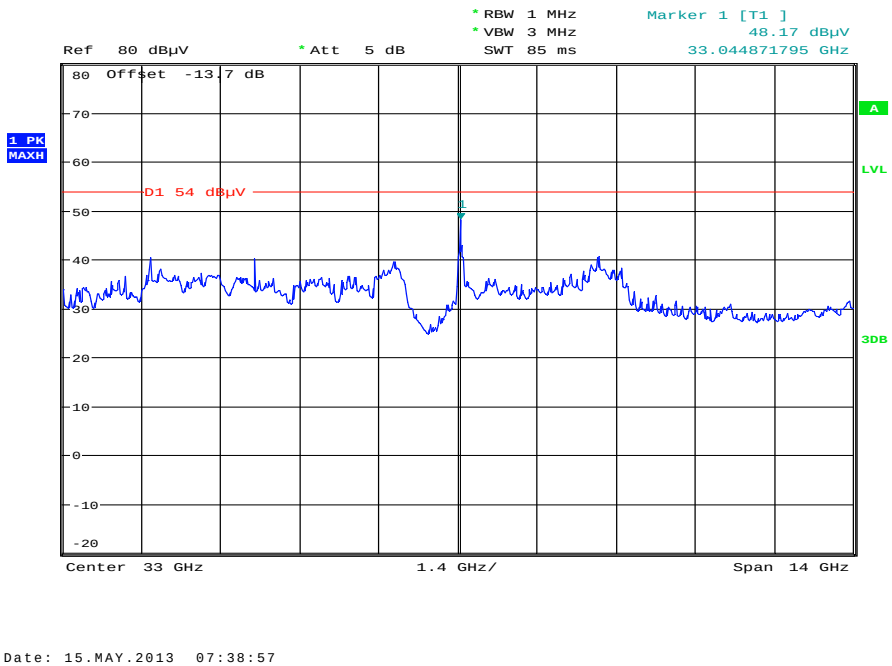
Plot 23: 12 GHz to 18 GHz, 5510 MHz, vertical & horizontal polarization



Plot 24: 18 GHz to 26 GHz, 5510 MHz, vertical & horizontal polarization



Plot 25: 26 GHz to 40 GHz, 5510 MHz, vertical & horizontal polarization



Plot 26: 30 MHz to 1 GHz, 5590 MHz, vertical & horizontal polarization

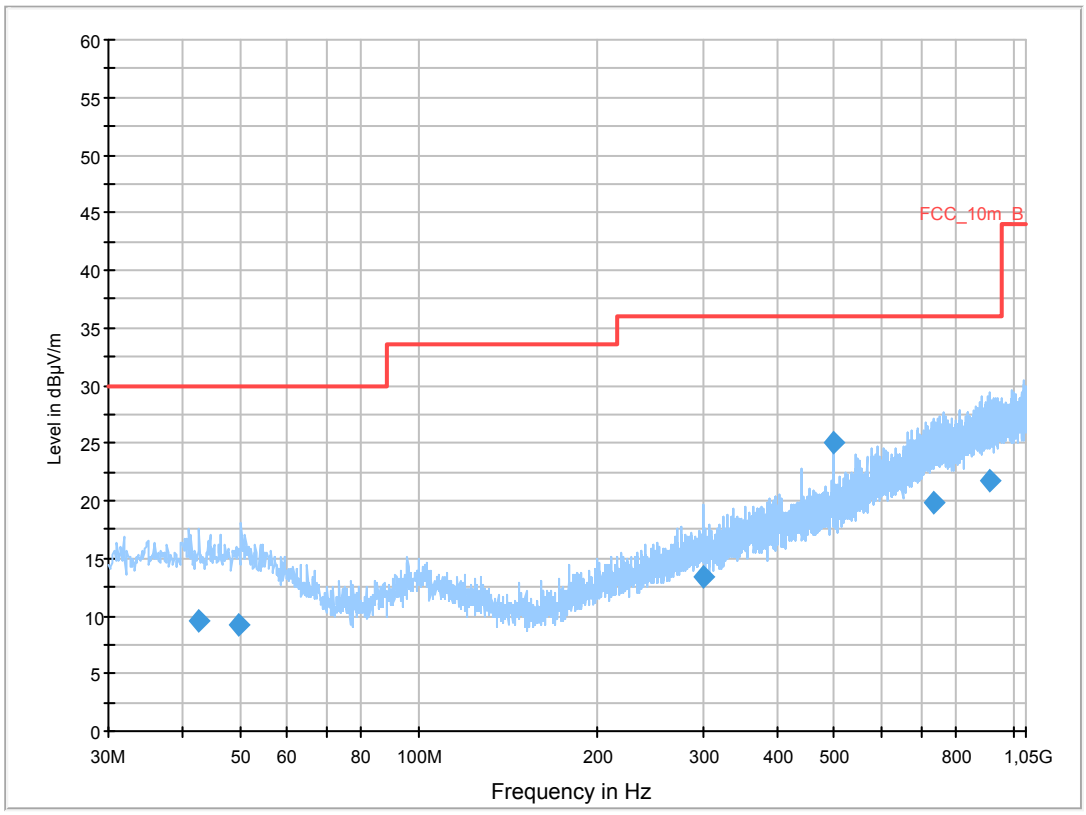
Common Information

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 @5590MHz
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

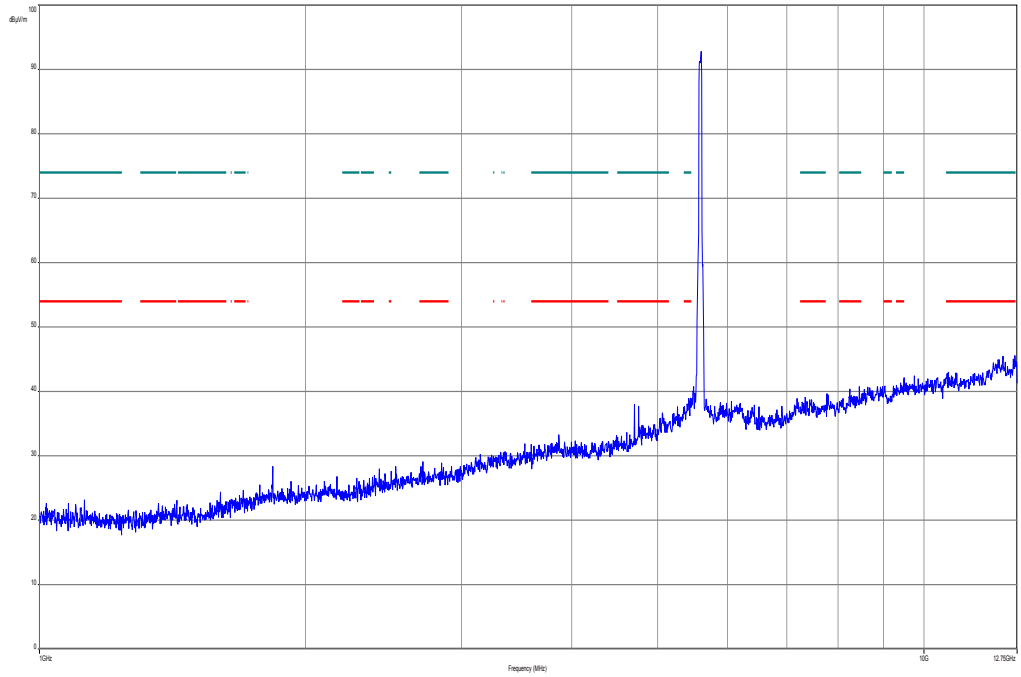
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



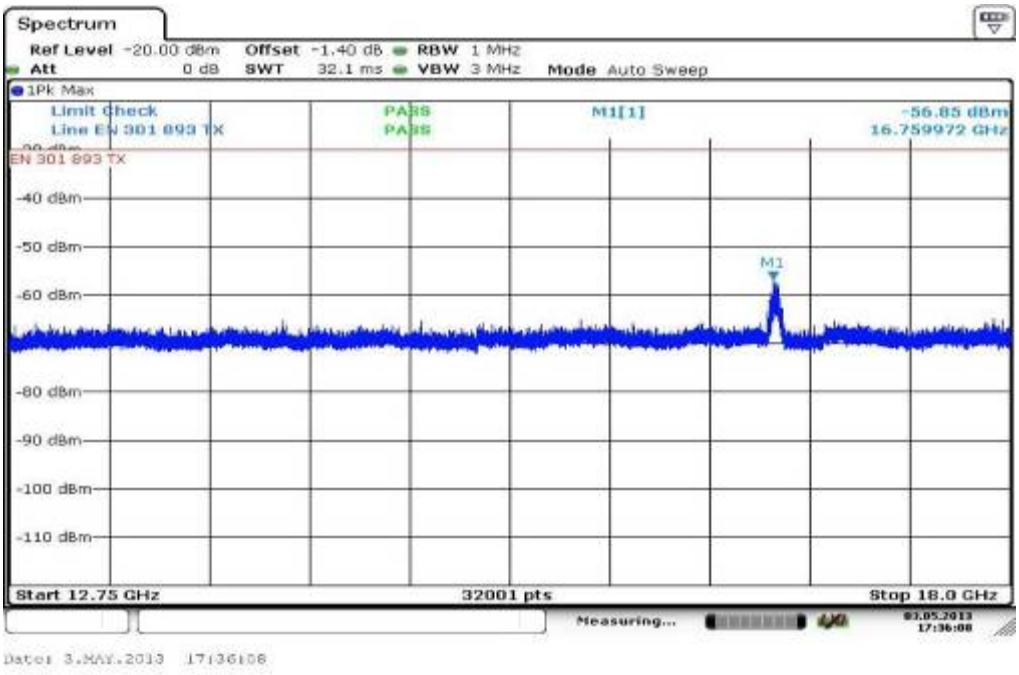
Fnal Result 1

Frequency MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
42.598500	9.5	1000.0	120.000	152.0	V	280.0	13.3	20.5	30.0	
49.789650	9.2	1000.0	120.000	170.0	H	180.0	13.4	20.8	30.0	
299.953050	13.4	1000.0	120.000	98.0	V	170.0	14.5	22.6	36.0	
500.015250	25.0	1000.0	120.000	170.0	H	-9.0	18.7	11.0	36.0	
731.859450	19.8	1000.0	120.000	170.0	H	190.0	23.2	16.2	36.0	
910.746000	21.7	1000.0	120.000	170.0	H	268.0	25.2	14.3	36.0	

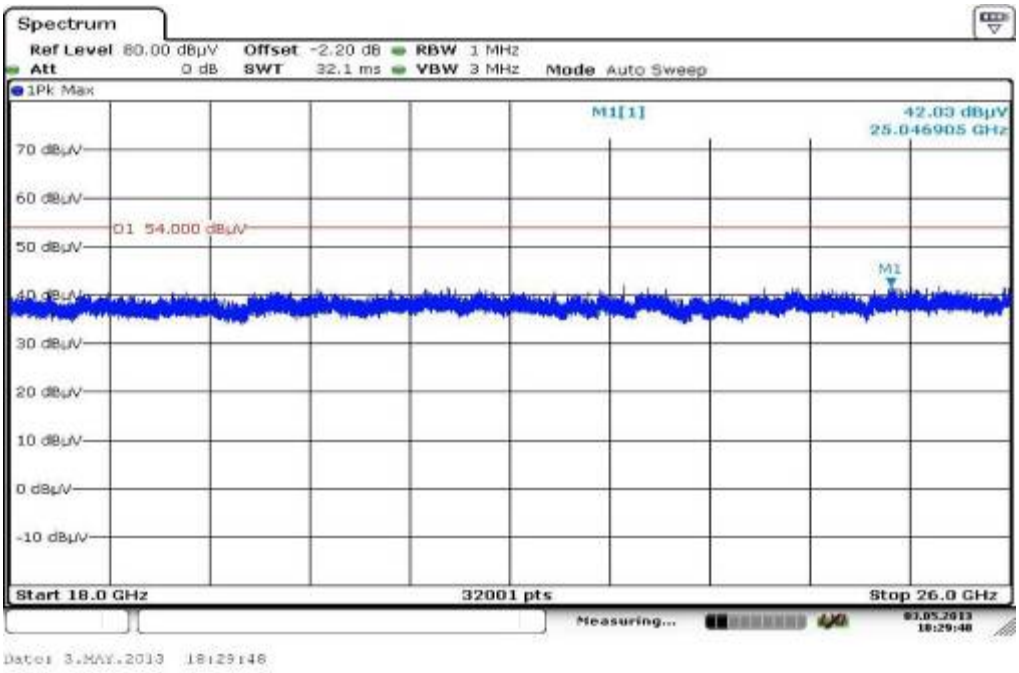
Plot 27: 1 GHz to 12.75 GHz, 5590 MHz, vertical & horizontal polarization



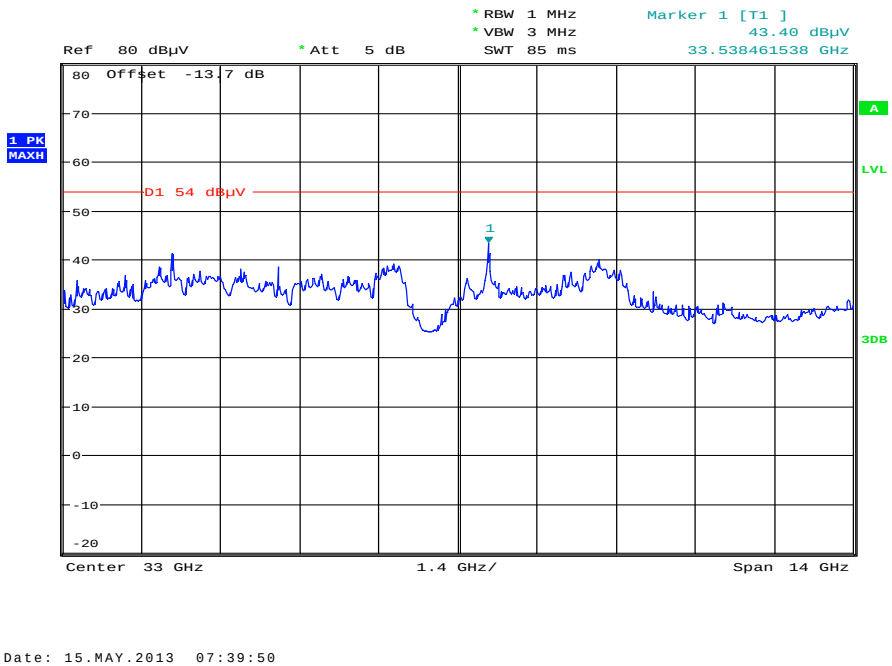
Plot 28: 12 GHz to 18 GHz, 5590 MHz, vertical & horizontal polarization



Plot 29: 18 GHz to 26 GHz, 5590 MHz, vertical & horizontal polarization



Plot 30: 26 GHz to 40 GHz, 5590 MHz, vertical & horizontal polarization



Plot 31: 30 MHz to 1 GHz, 5670 MHz, vertical & horizontal polarization

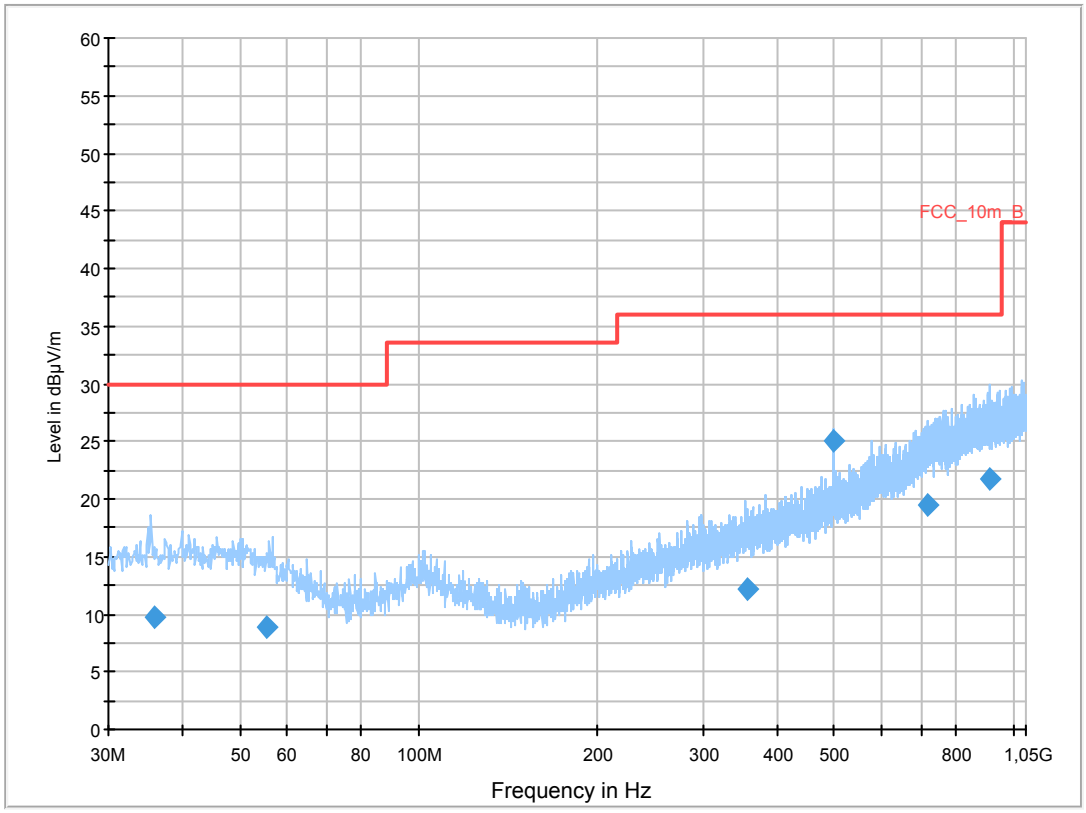
Common Information

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 @5670MHz
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

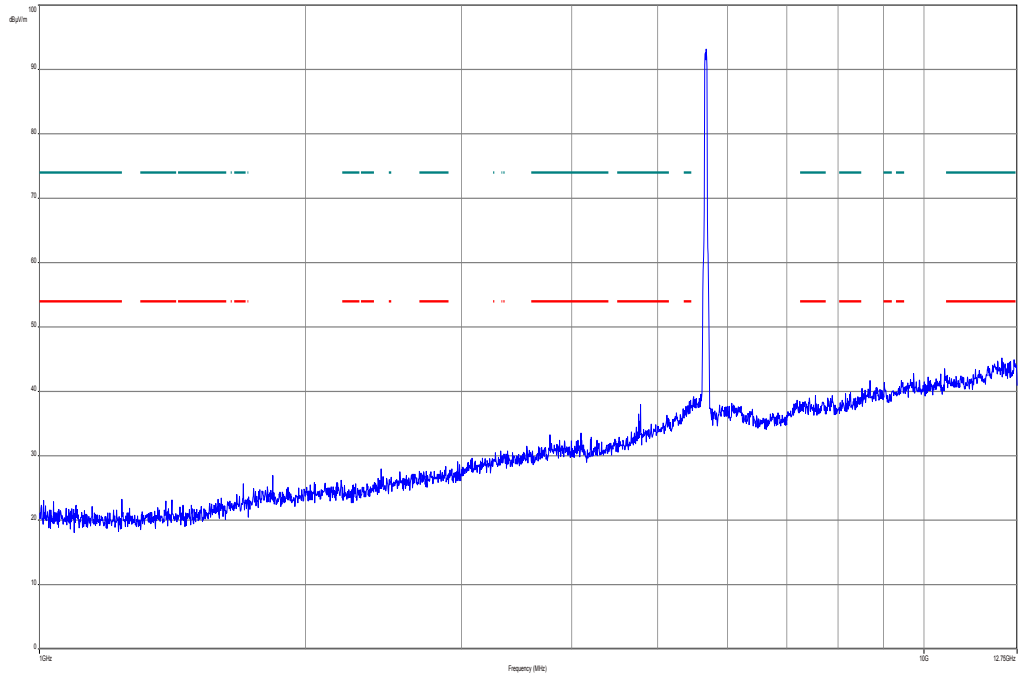
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



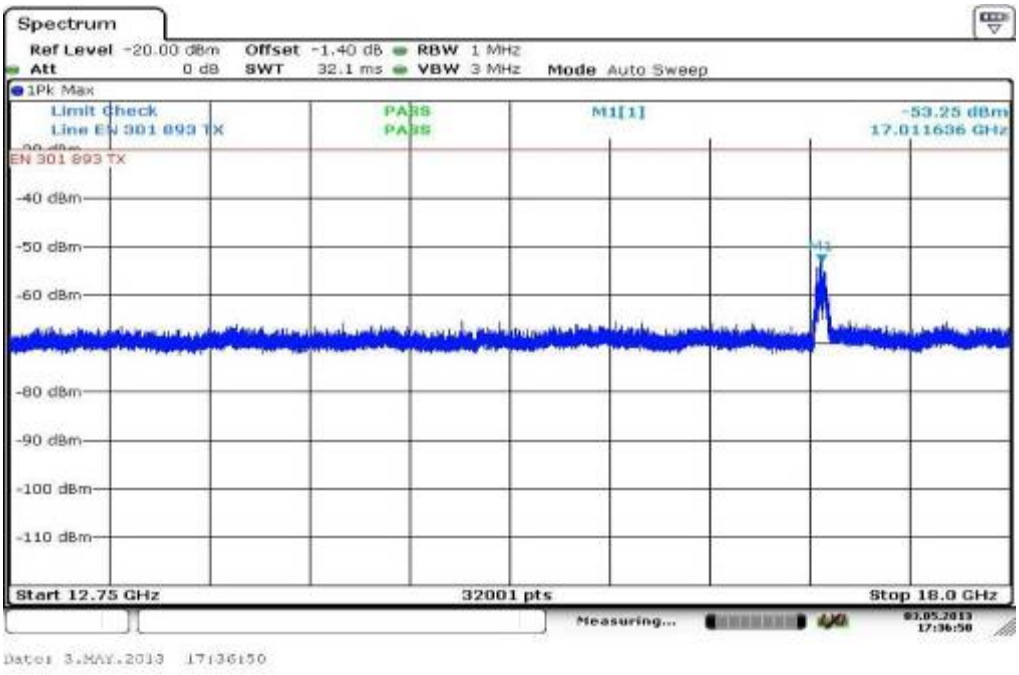
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
35.738700	9.7	1000.0	120.000	170.0	H	10.0	13.1	20.3	30.0	
55.599150	8.9	1000.0	120.000	170.0	H	182.0	12.7	21.1	30.0	
355.558800	12.1	1000.0	120.000	170.0	V	100.0	16.2	23.9	36.0	
500.018250	25.0	1000.0	120.000	170.0	H	-5.0	18.7	11.0	36.0	
718.419750	19.5	1000.0	120.000	98.0	V	272.0	22.9	16.5	36.0	
911.452350	21.7	1000.0	120.000	170.0	H	183.0	25.2	14.3	36.0	

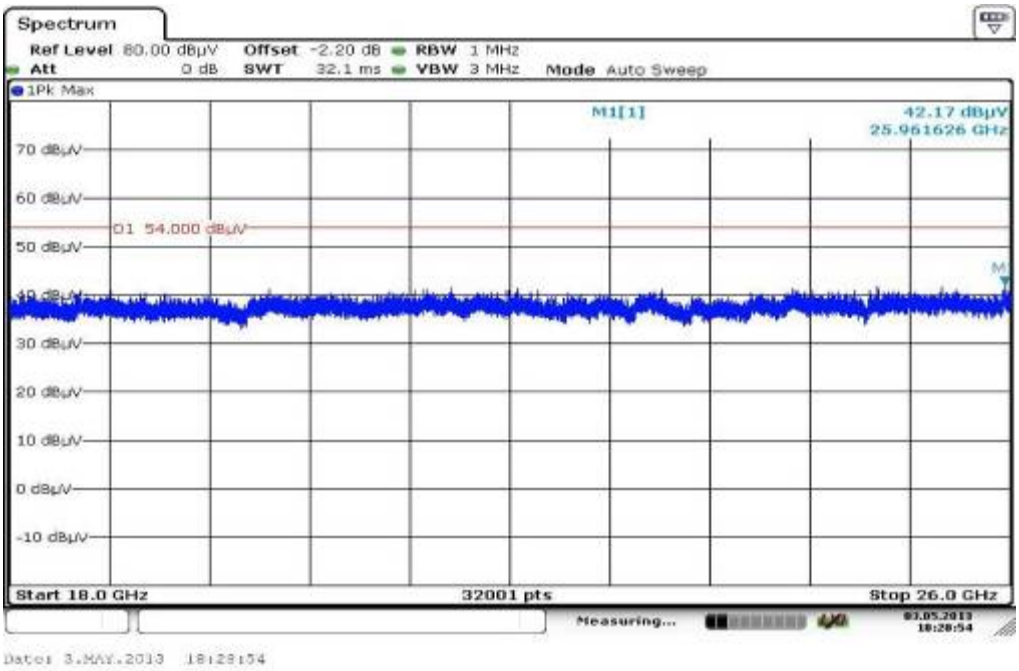
Plot 32: 1 GHz to 12.75 GHz, 5670 MHz, vertical & horizontal polarization



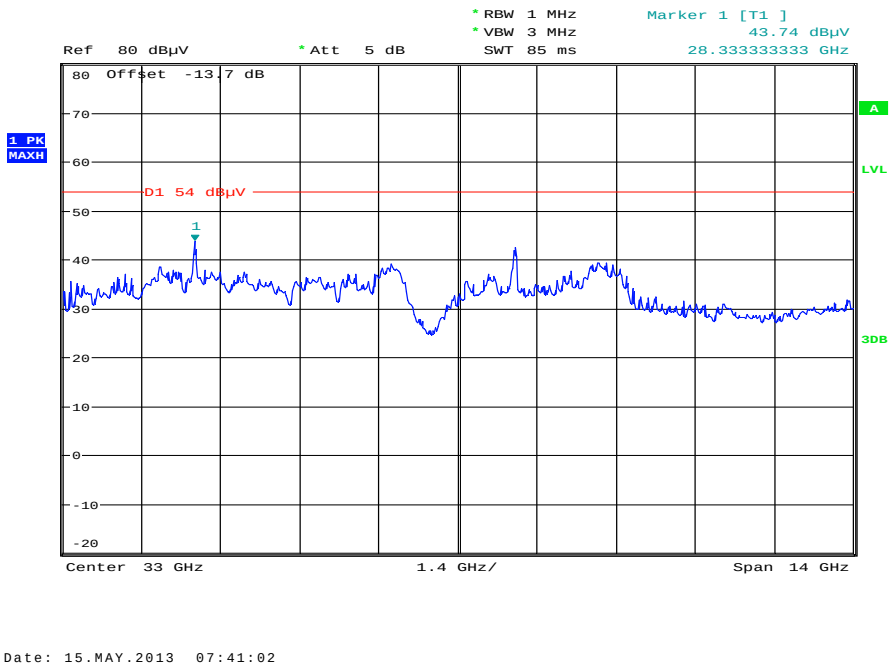
Plot 33: 12 GHz to 18 GHz, 5670 MHz, vertical & horizontal polarization



Plot 34: 18 GHz to 26 GHz, 5670 MHz, vertical & horizontal polarization



Plot 35: 26 GHz to 40 GHz, 5670 MHz, vertical & horizontal polarization



Antenna M3002-66494:

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

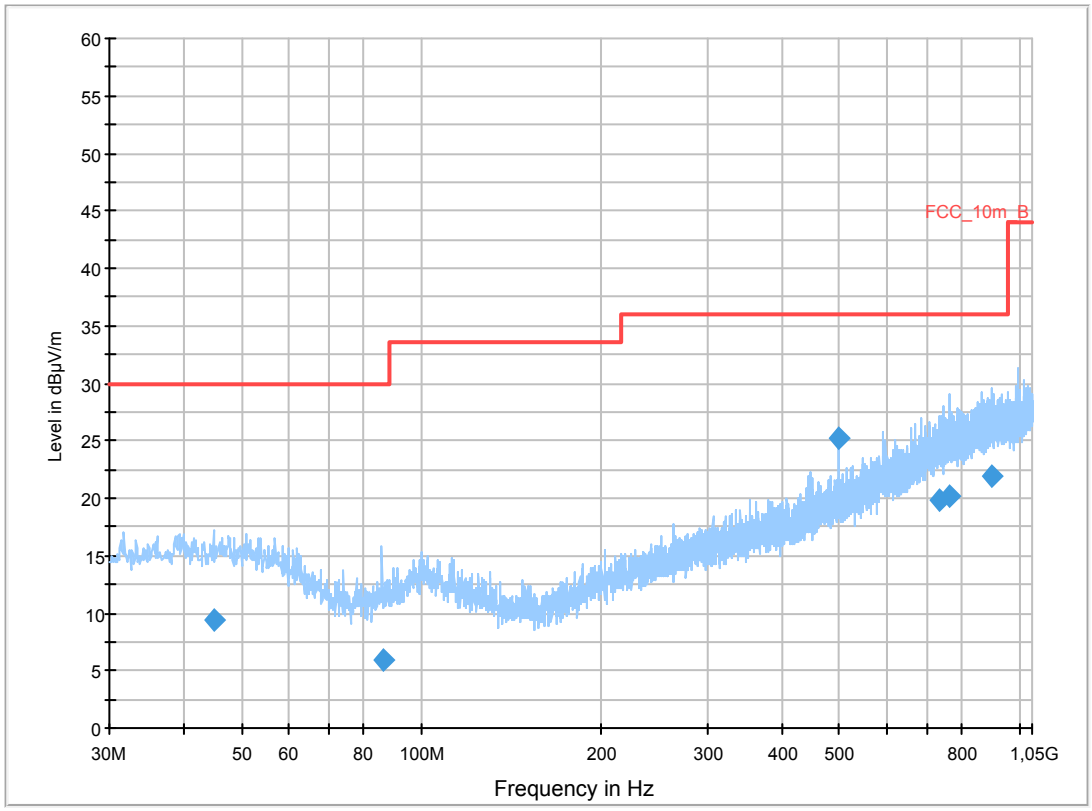
Common Information

EUT:	WLANBV2-A + antenna M3002-66494
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

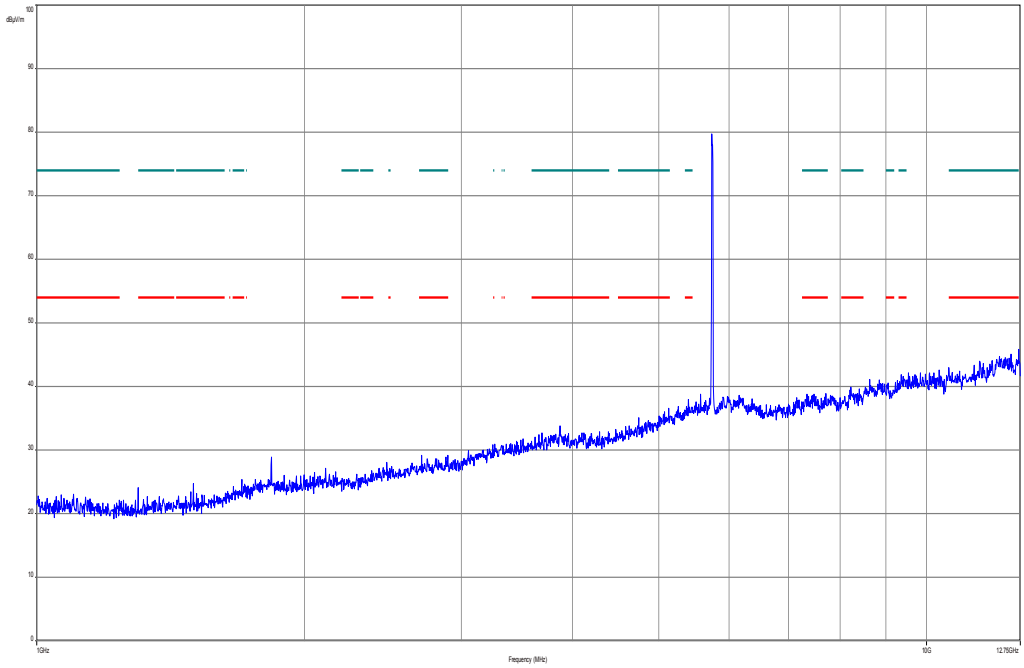
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



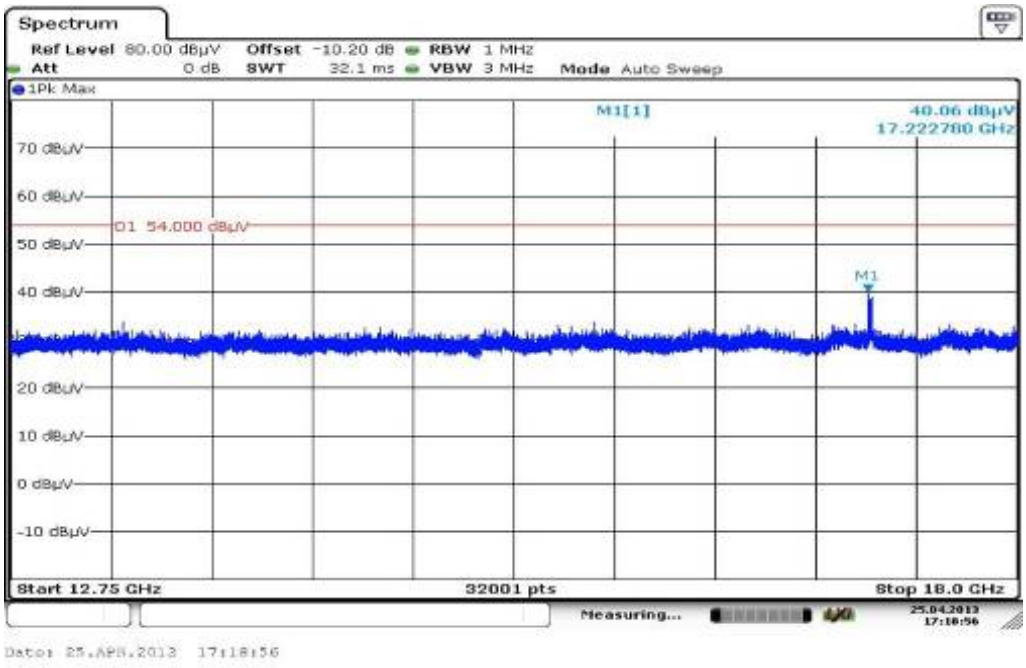
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
44.776800	9.3	1000.0	120.000	131.0	V	10.0	13.3	20.7	30.0	
86.040150	6.0	1000.0	120.000	132.0	V	10.0	10.0	24.0	30.0	
500.011950	25.2	1000.0	120.000	98.0	V	260.0	18.7	10.8	36.0	
733.422000	19.9	1000.0	120.000	134.0	V	261.0	23.3	16.1	36.0	
764.982150	20.2	1000.0	120.000	170.0	H	280.0	23.7	15.8	36.0	
901.818000	21.9	1000.0	120.000	170.0	V	170.0	25.2	14.1	36.0	

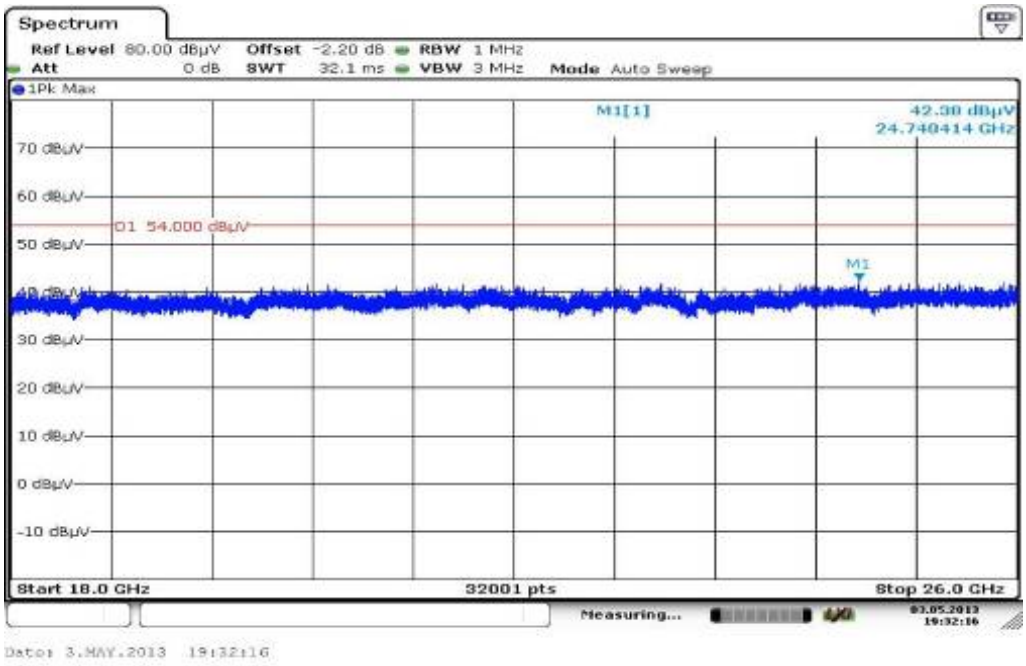
Plot 2: Lowest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



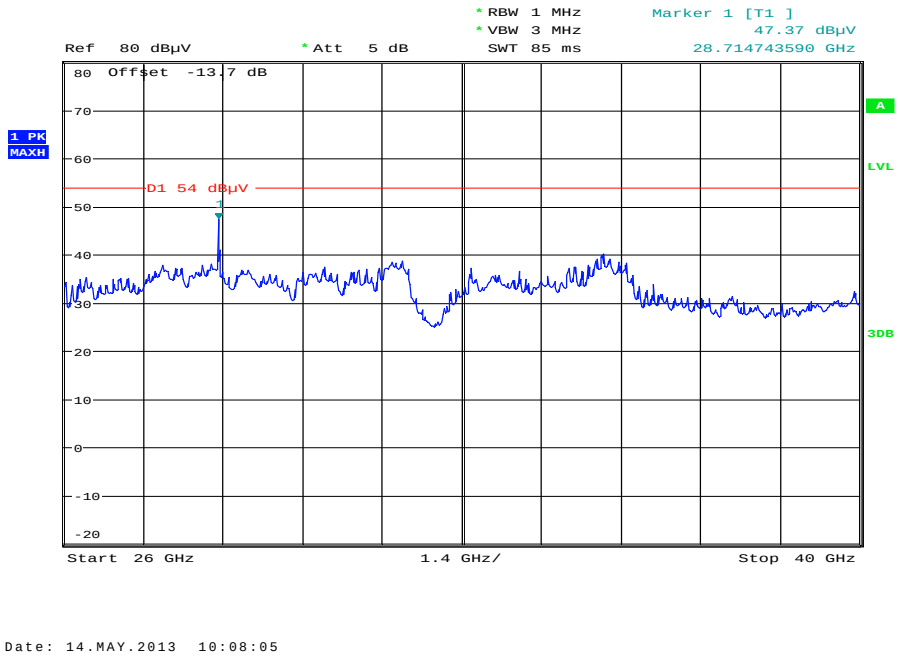
Plot 3: Lowest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



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

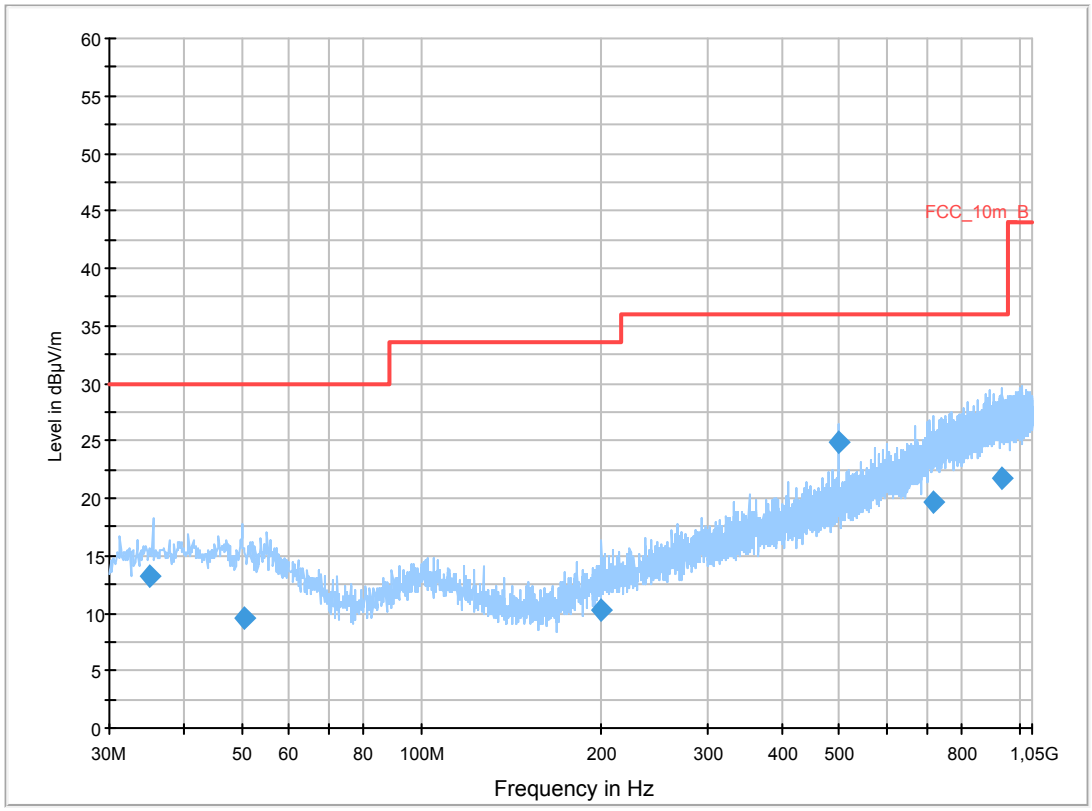
Common Information

EUT:	WLANBV2-A + antenna M3002-66494
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

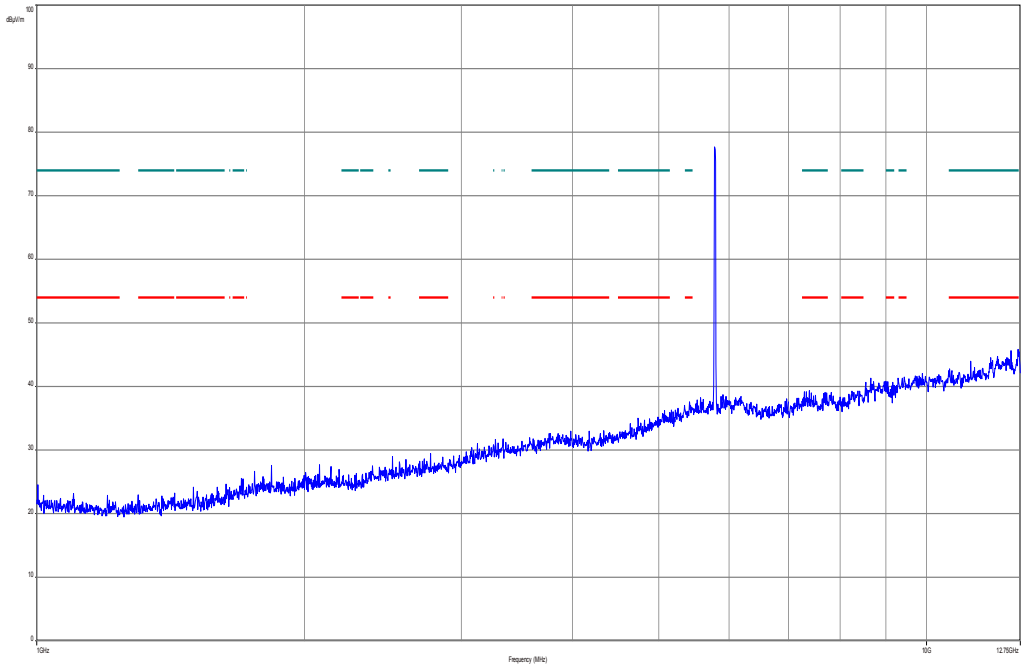
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



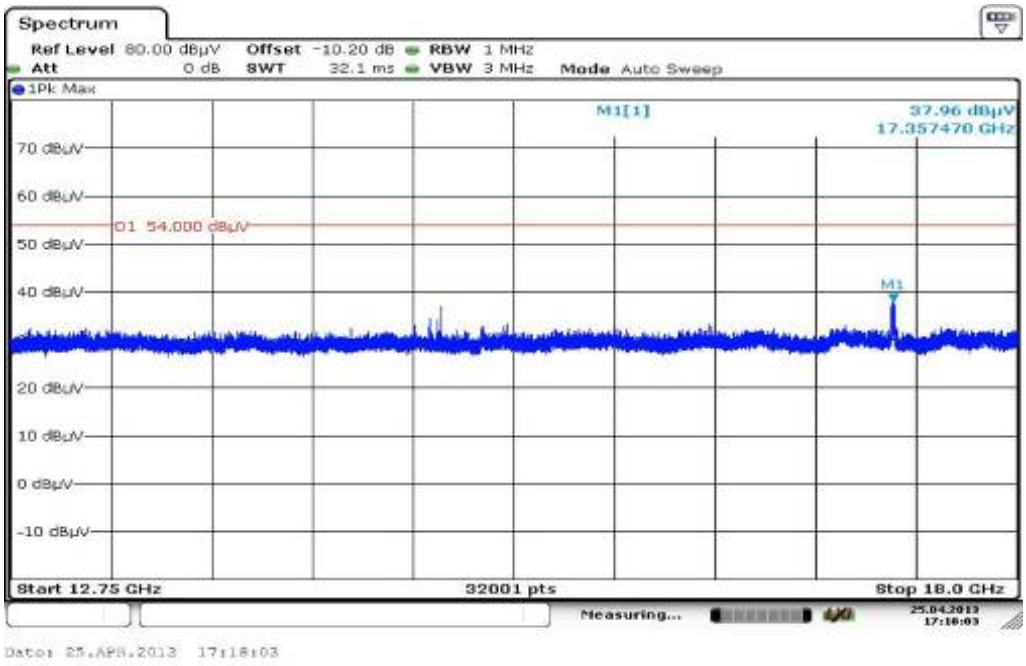
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
35.010000	13.1	1000.0	120.000	98.0	V	182.0	13.0	16.9	30.0	
50.277150	9.6	1000.0	120.000	160.0	V	10.0	13.3	20.4	30.0	
199.969500	10.2	1000.0	120.000	170.0	V	182.0	11.7	23.3	33.5	
500.018100	24.9	1000.0	120.000	98.0	V	265.0	18.7	11.1	36.0	
717.376350	19.6	1000.0	120.000	170.0	H	-9.0	22.9	16.4	36.0	
935.063400	21.8	1000.0	120.000	170.0	V	92.0	25.3	14.2	36.0	

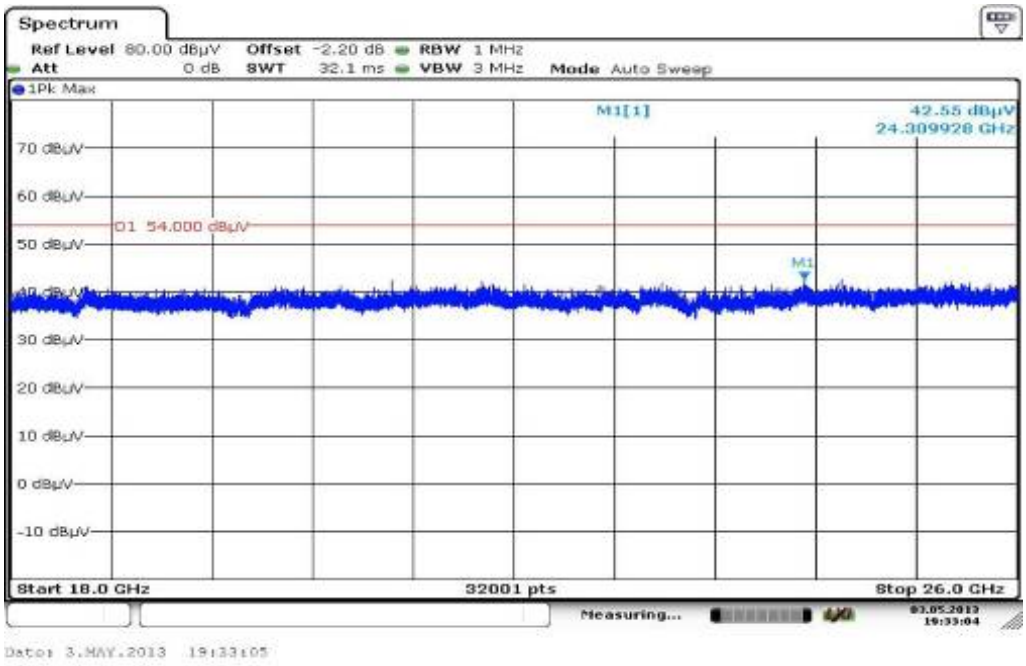
Plot 7: Middle channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



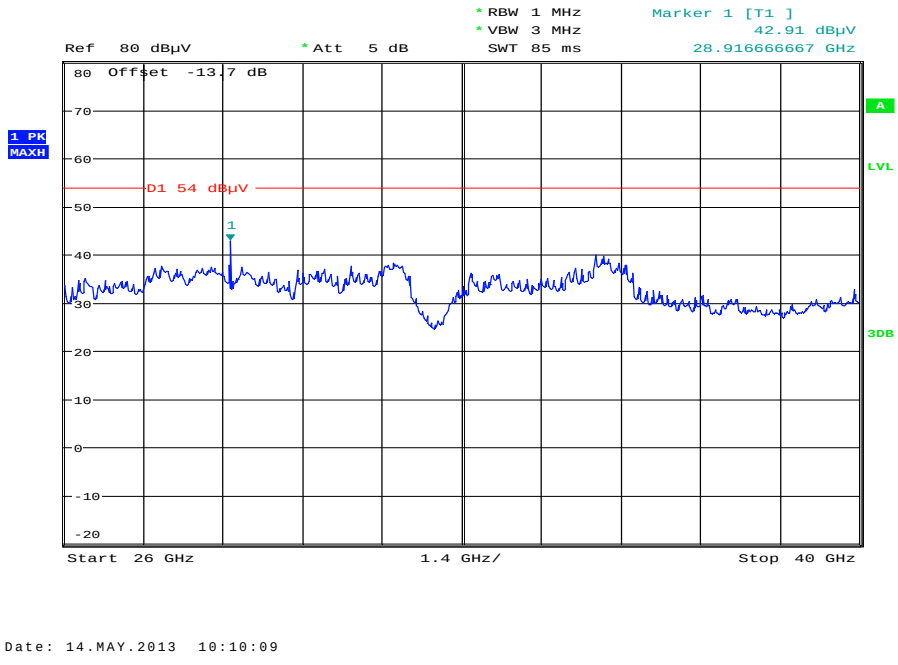
Plot 8: Middle channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



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

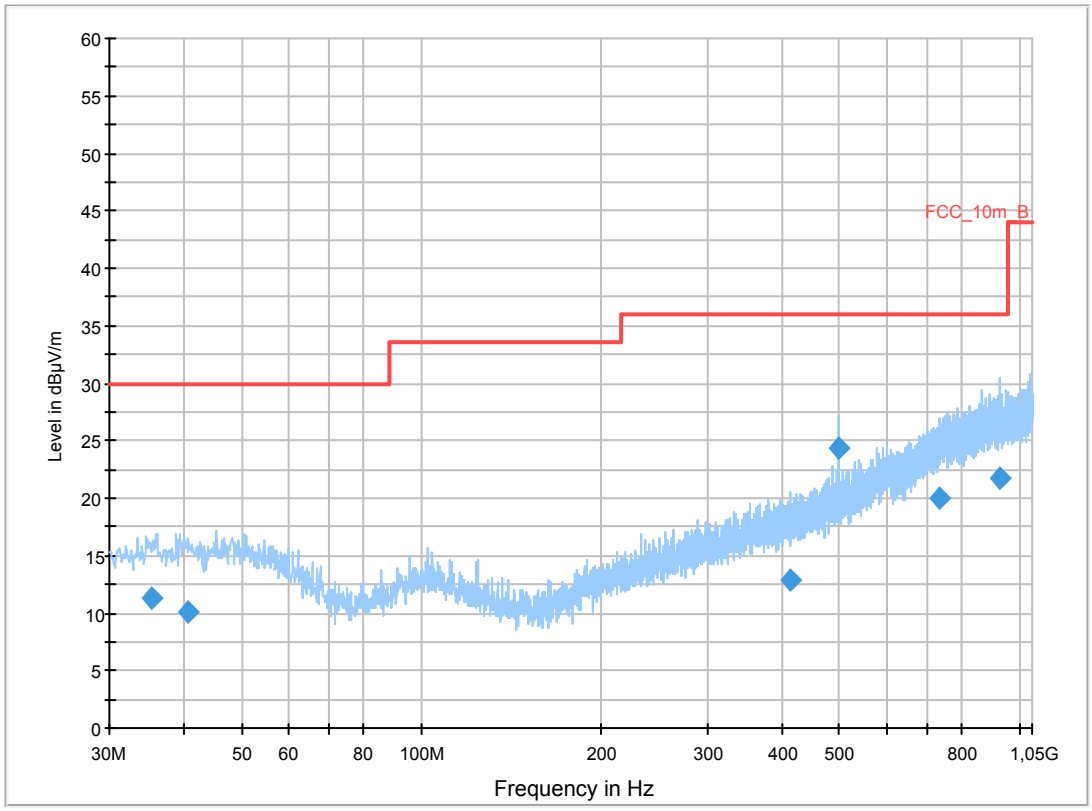
Common Information

EUT:	WLANBV2-A + antenna M3002-66494
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

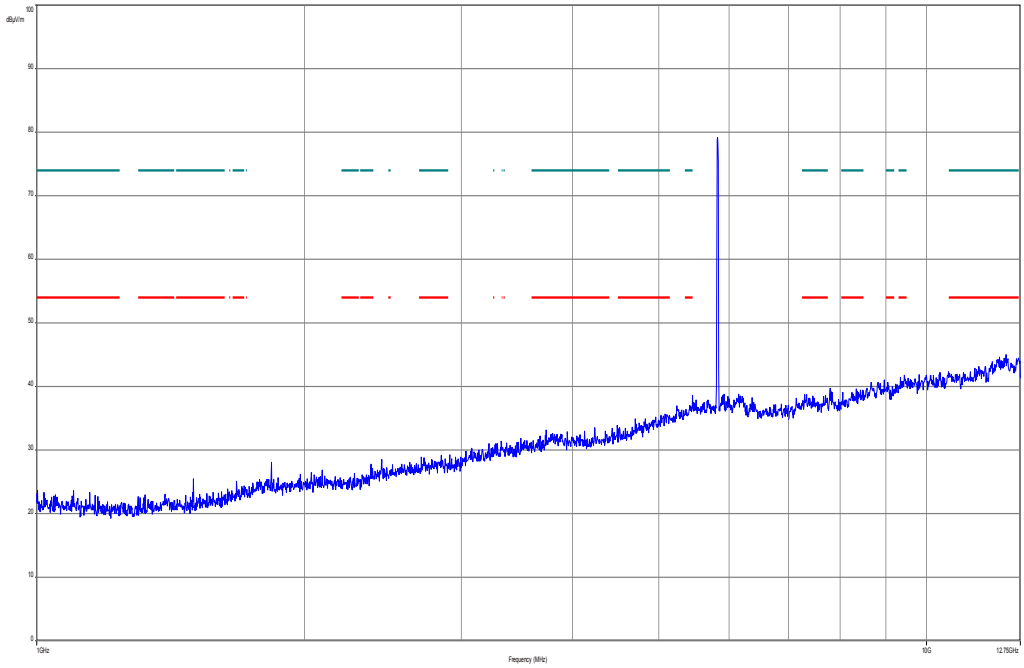
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



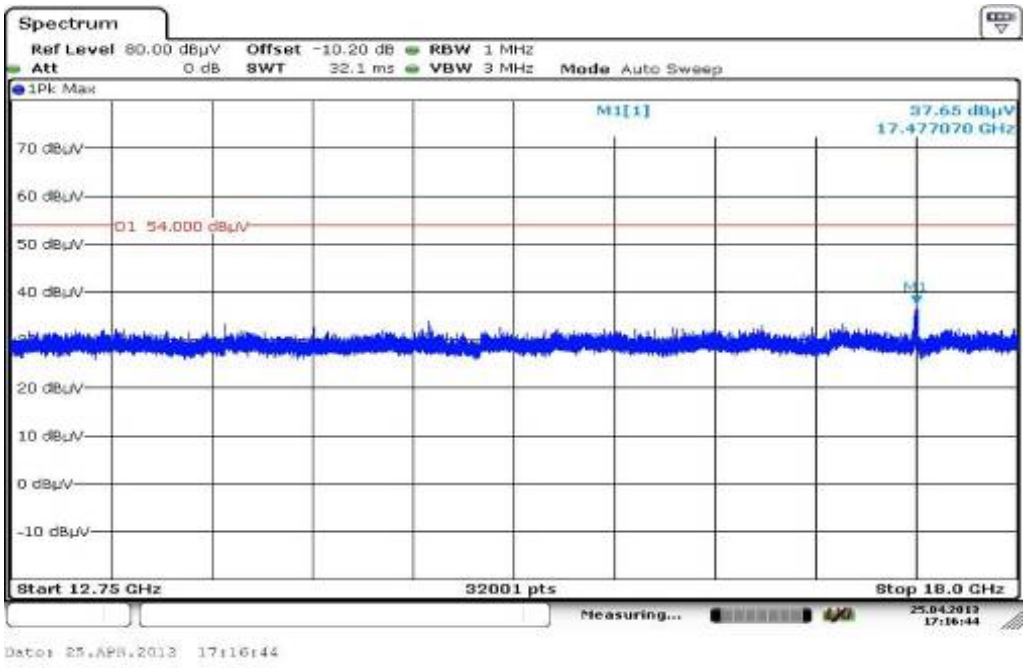
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
35.442900	11.3	1000.0	120.000	170.0	V	100.0	13.1	18.7	30.0	
40.579650	10.1	1000.0	120.000	98.0	V	85.0	13.4	19.9	30.0	
414.807600	12.9	1000.0	120.000	121.0	V	100.0	17.1	23.1	36.0	
499.986450	24.4	1000.0	120.000	98.0	V	190.0	18.7	11.6	36.0	
733.418700	20.0	1000.0	120.000	170.0	V	190.0	23.3	16.0	36.0	
924.121200	21.8	1000.0	120.000	170.0	H	-9.0	25.3	14.2	36.0	

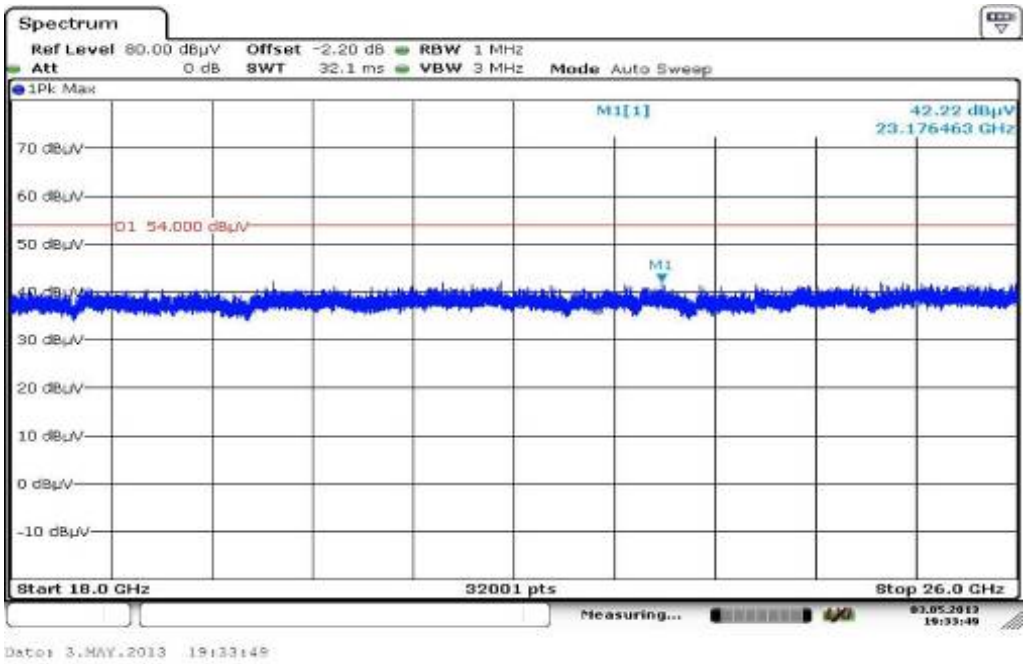
Plot 12: Highest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



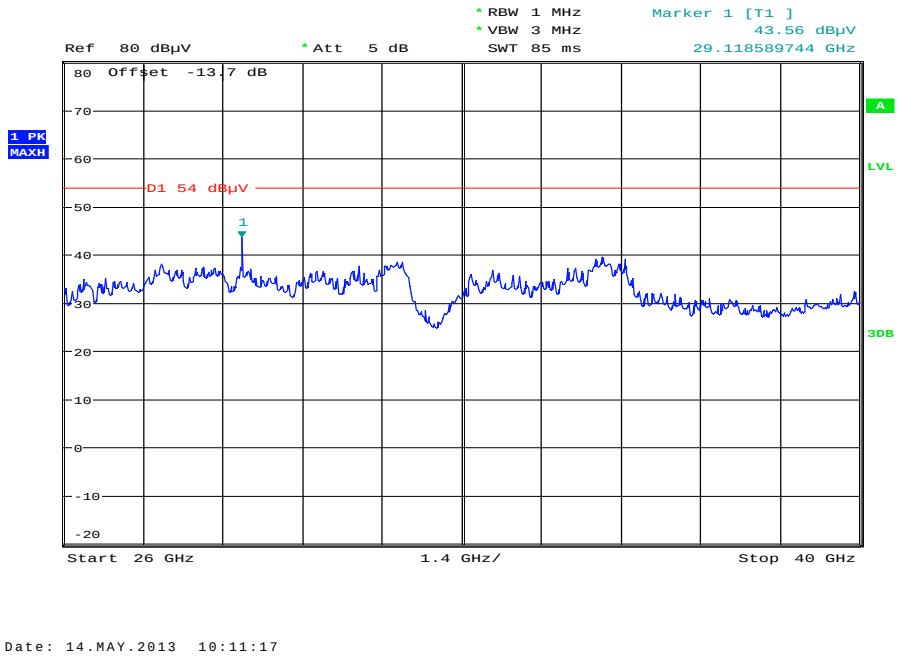
Plot 13: Highest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



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

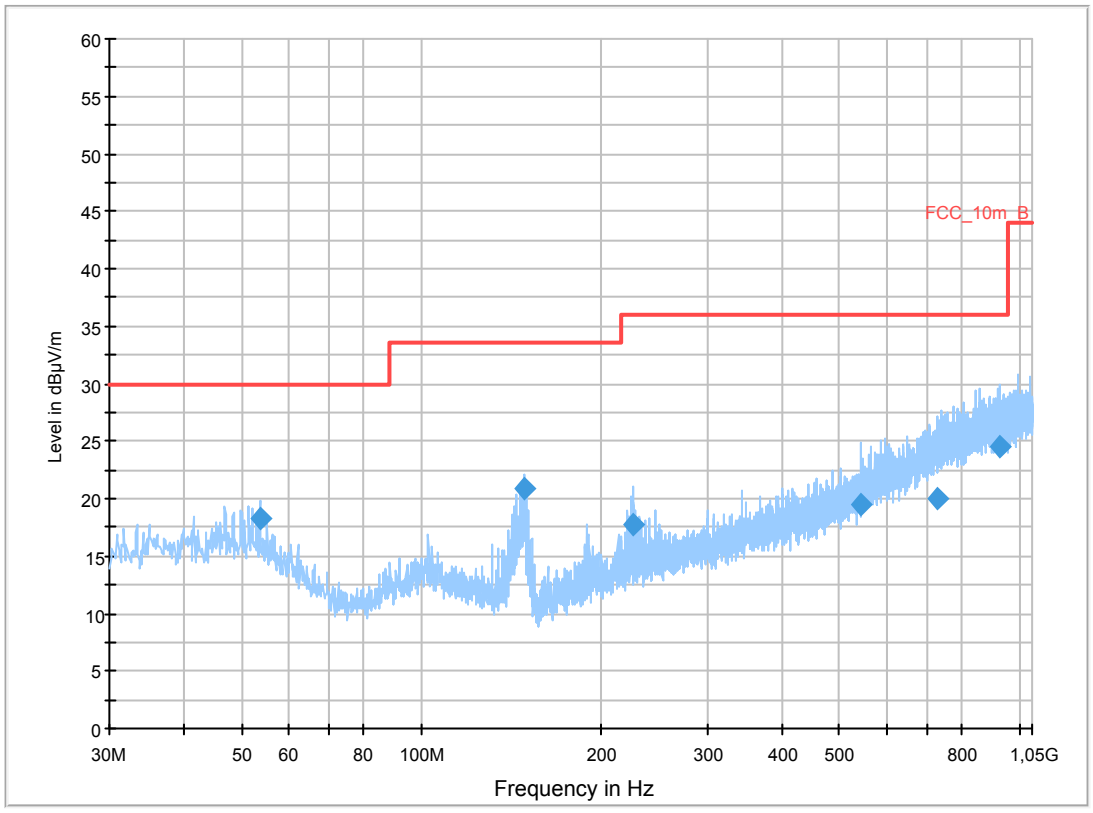
Common Information

EUT:	WLANBV2-A + antenna M3002-66494
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan tx 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

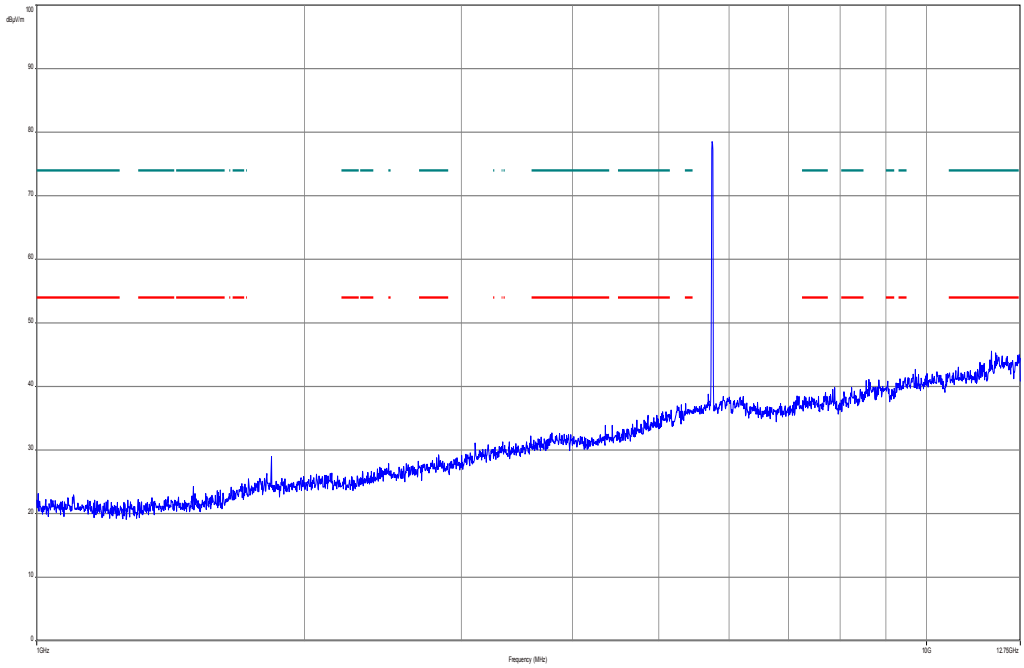
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



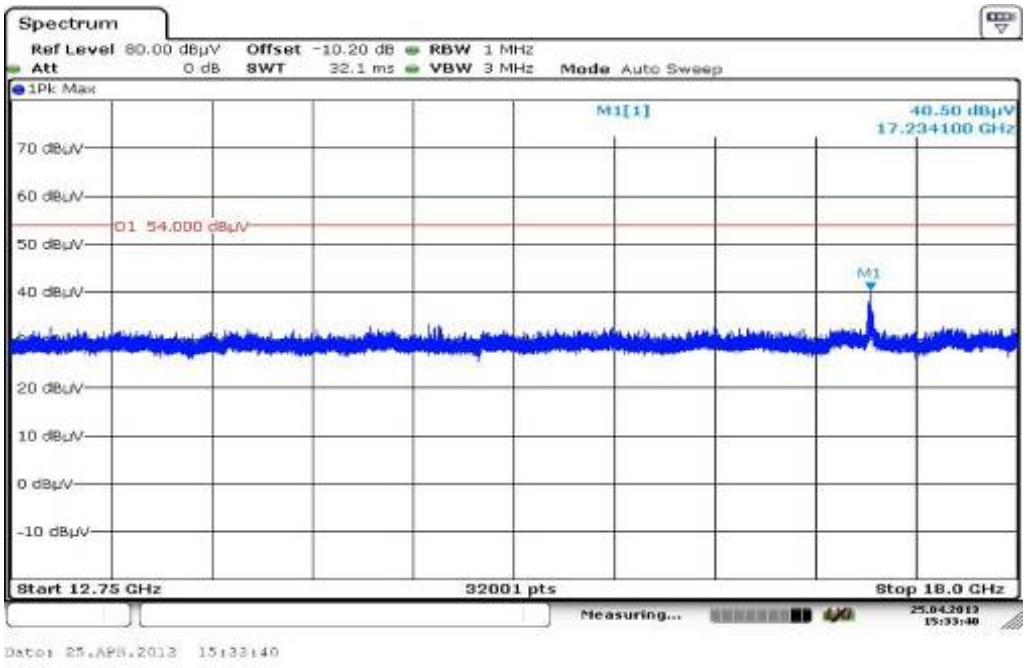
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
53.618400	18.2	1000.0	120.000	111.0	V	180.0	13.0	11.8	30.0	
148.053450	20.9	1000.0	120.000	98.0	V	92.0	8.9	12.6	33.5	
225.087150	17.8	1000.0	120.000	120.0	V	270.0	12.6	18.2	36.0	
544.041600	19.5	1000.0	120.000	143.0	V	171.0	19.3	16.5	36.0	
728.557200	20.0	1000.0	120.000	120.0	H	280.0	23.2	16.0	36.0	
927.418200	24.5	1000.0	120.000	170.0	V	81.0	25.3	11.5	36.0	

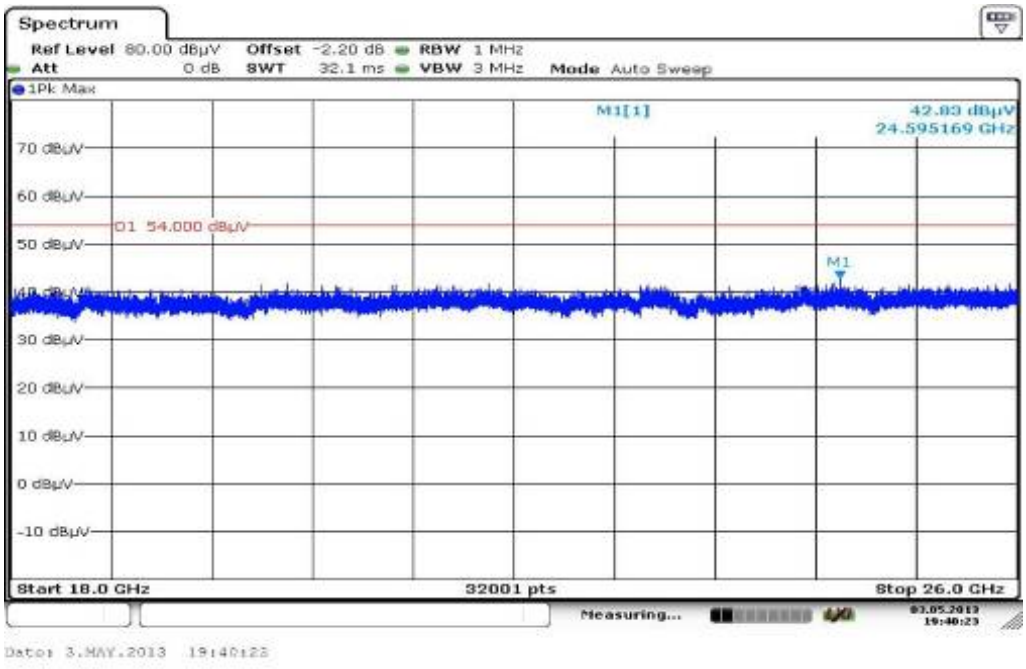
Plot 2: Lowest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



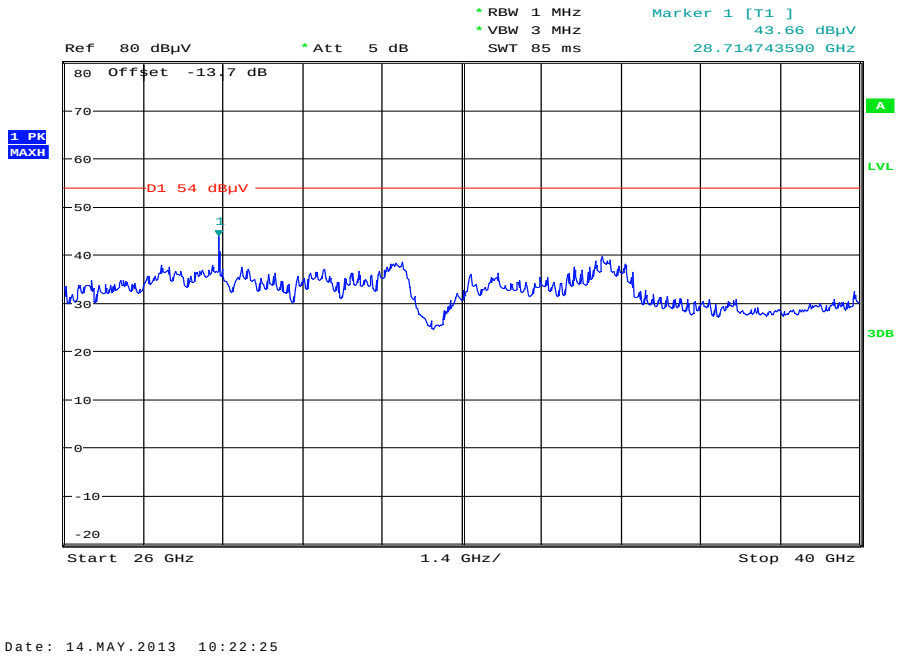
Plot 3: Lowest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



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

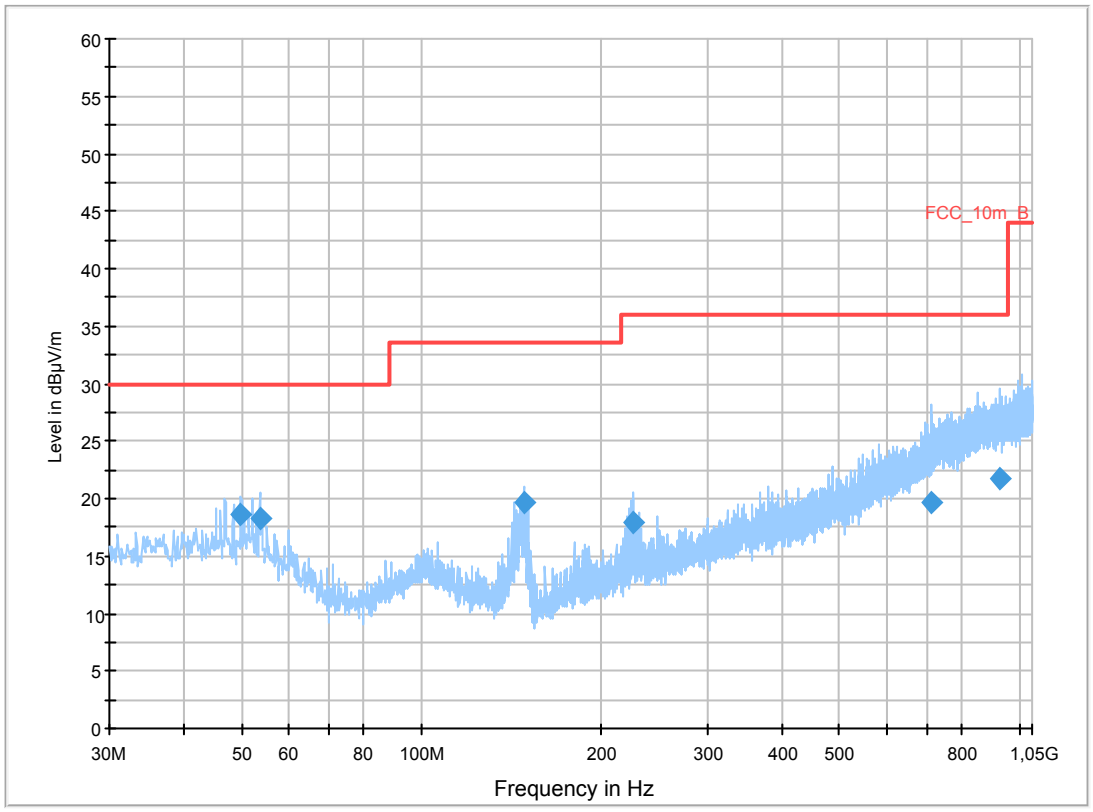
Common Information

EUT:	WLANBV2-A + antenna M3002-66494
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan tx 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

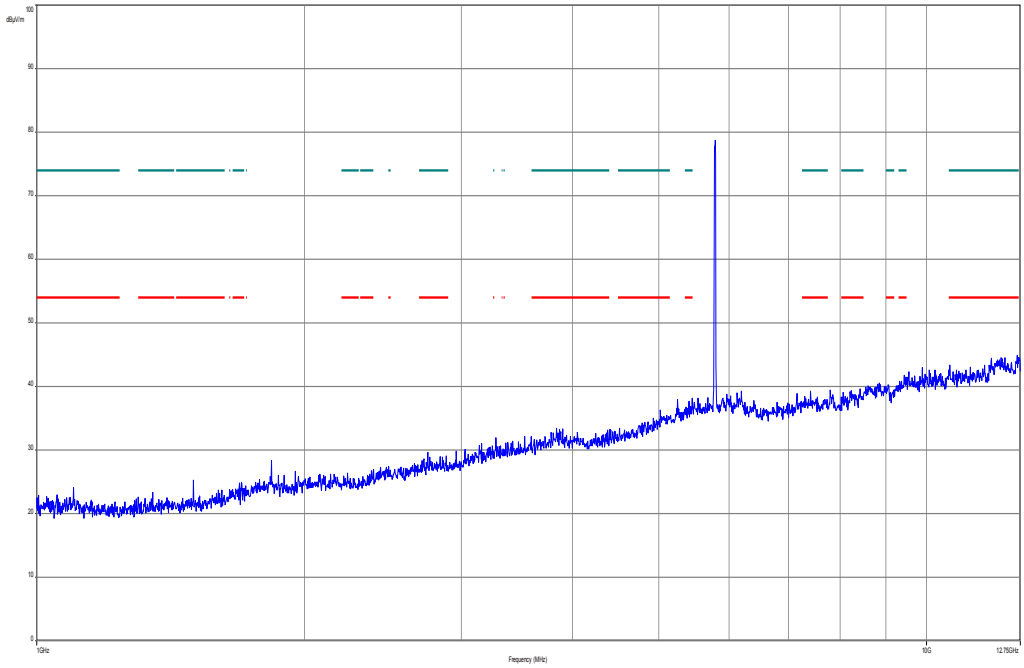
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



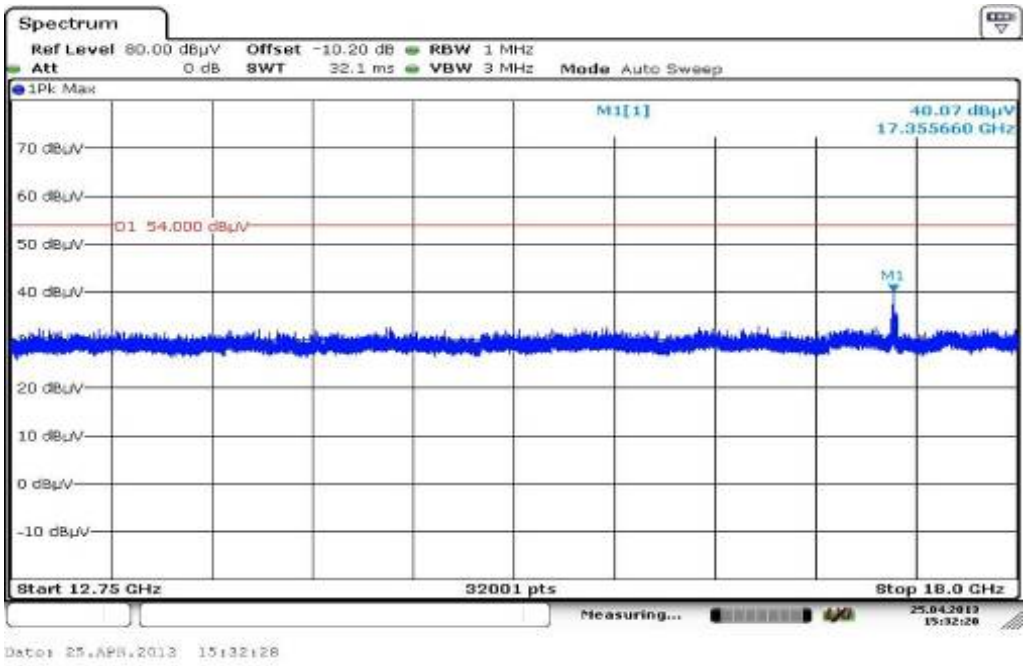
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
49.834050	18.5	1000.0	120.000	98.0	V	261.0	13.4	11.5	30.0	
53.621100	18.2	1000.0	120.000	170.0	V	100.0	13.0	11.8	30.0	
148.012650	19.7	1000.0	120.000	98.0	V	183.0	8.9	13.8	33.5	
225.018150	17.9	1000.0	120.000	98.0	V	85.0	12.6	18.1	36.0	
713.346900	19.6	1000.0	120.000	121.0	V	94.0	22.8	16.4	36.0	
928.967550	21.8	1000.0	120.000	98.0	H	177.0	25.3	14.2	36.0	

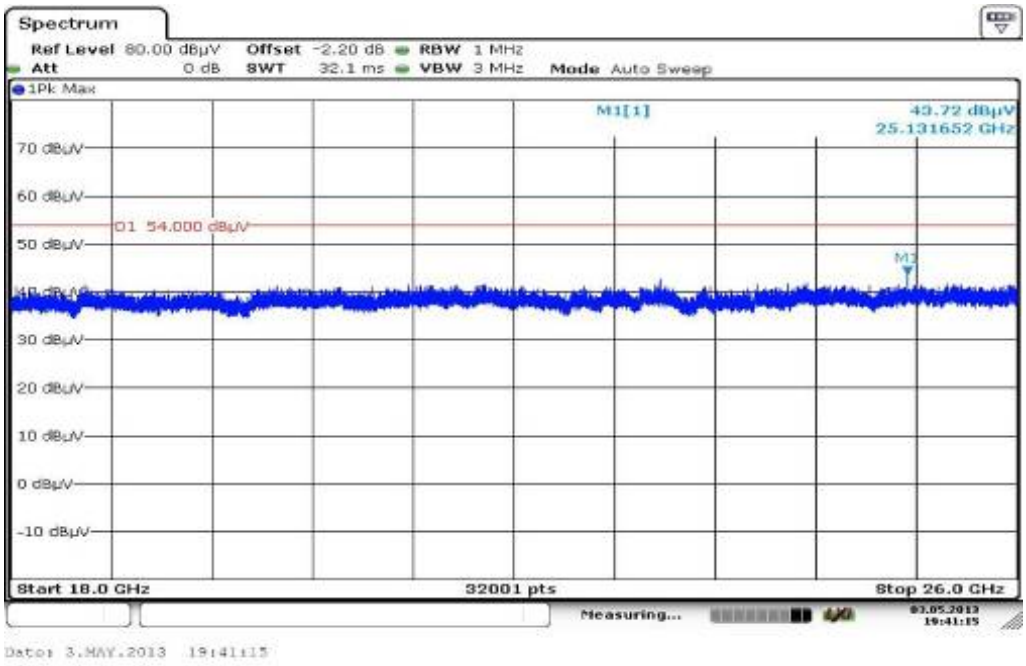
Plot 7: Middle channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



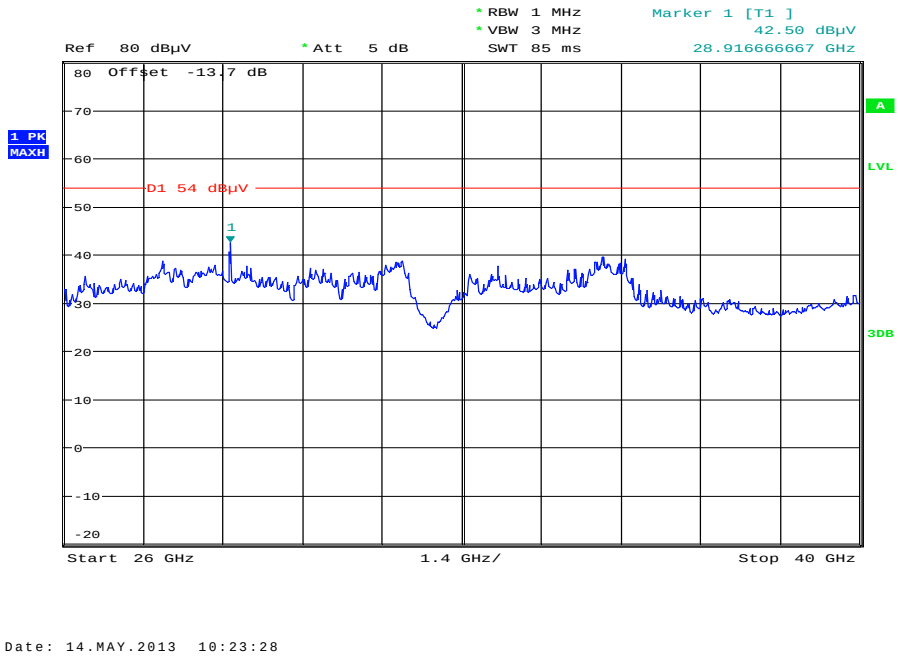
Plot 8: Middle channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



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

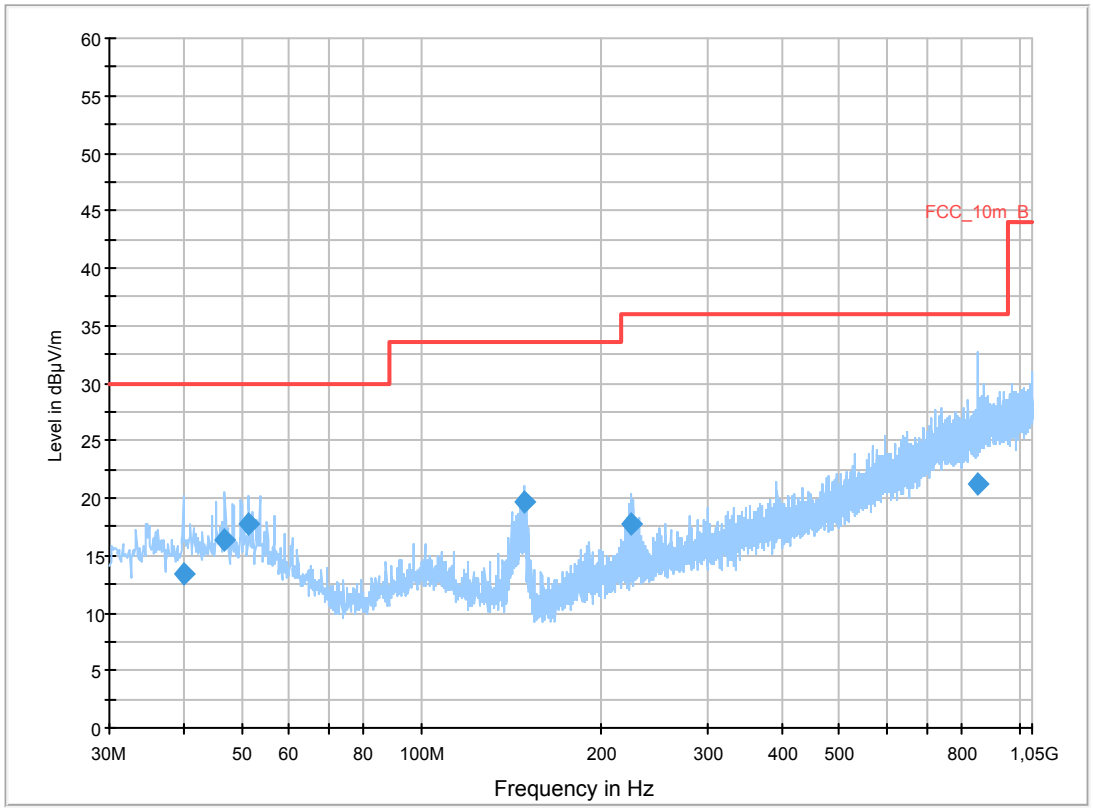
Common Information

EUT:	WLANBV2-A + antenna M3002-66494
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan tx 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

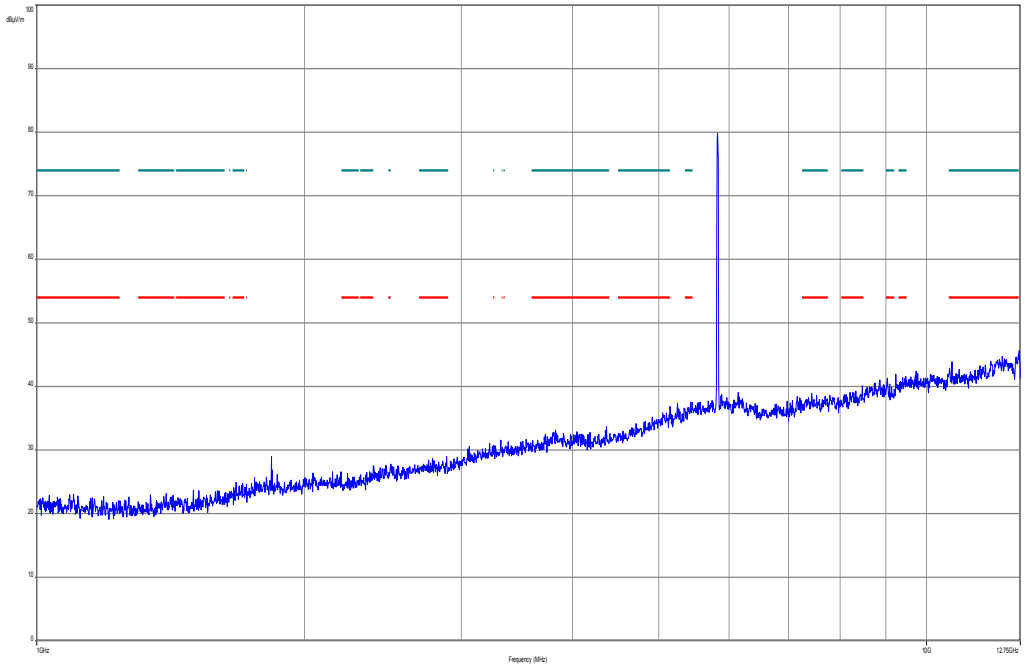
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



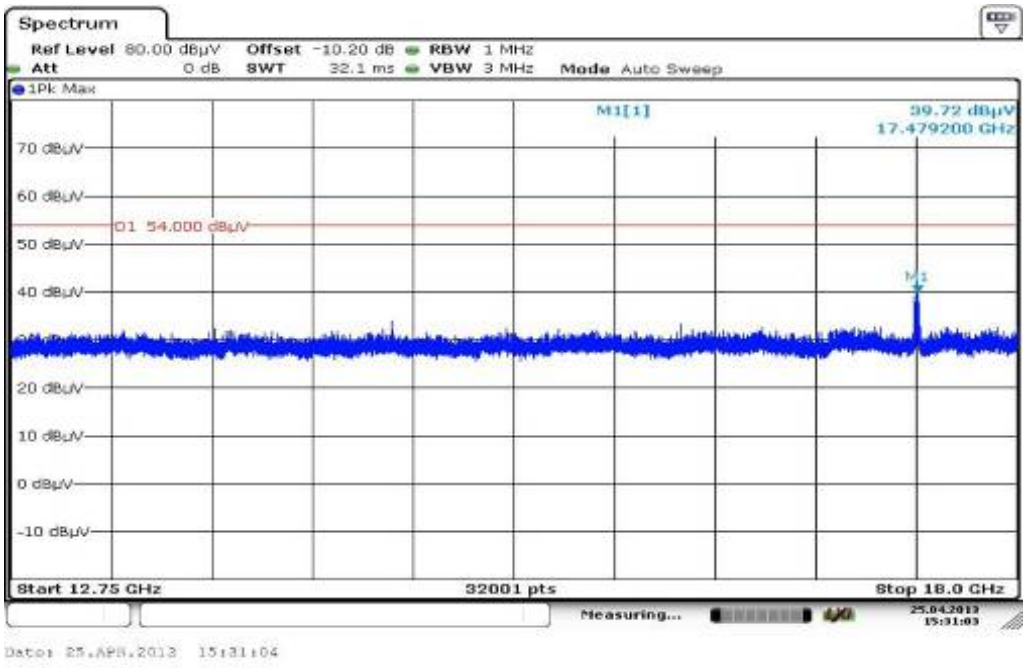
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
39.995850	13.4	1000.0	120.000	111.0	V	272.0	13.4	16.6	30.0	
46.855950	16.4	1000.0	120.000	105.0	V	260.0	13.3	13.6	30.0	
51.336600	17.7	1000.0	120.000	98.0	V	190.0	13.2	12.3	30.0	
148.017900	19.7	1000.0	120.000	132.0	V	92.0	8.9	13.8	33.5	
223.494750	17.7	1000.0	120.000	111.0	V	80.0	12.5	18.3	36.0	
849.413400	21.3	1000.0	120.000	170.0	V	100.0	24.5	14.7	36.0	

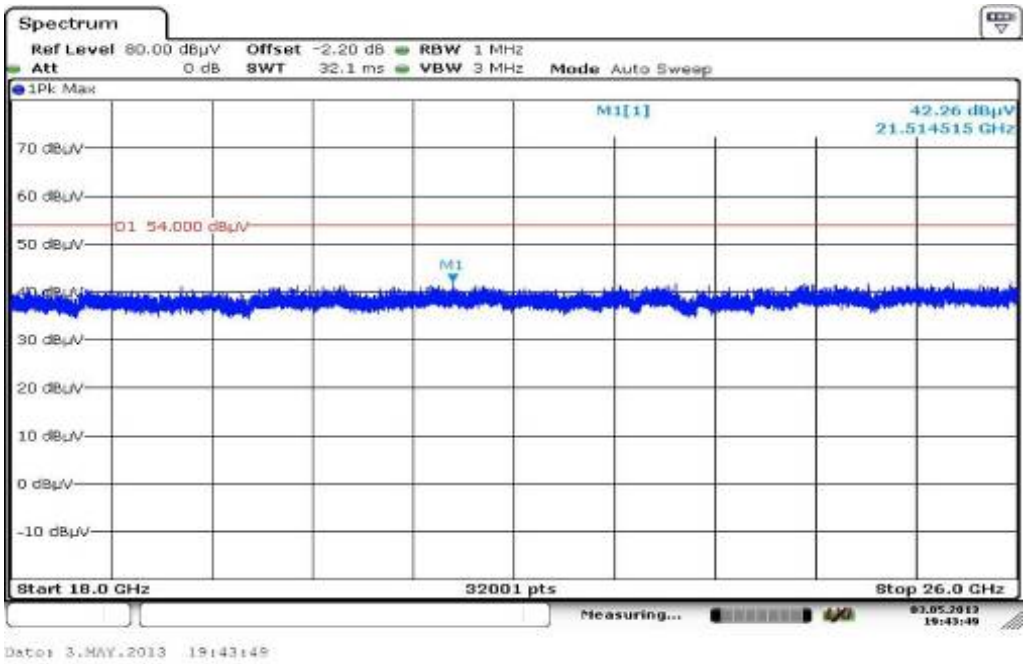
Plot 12: Highest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



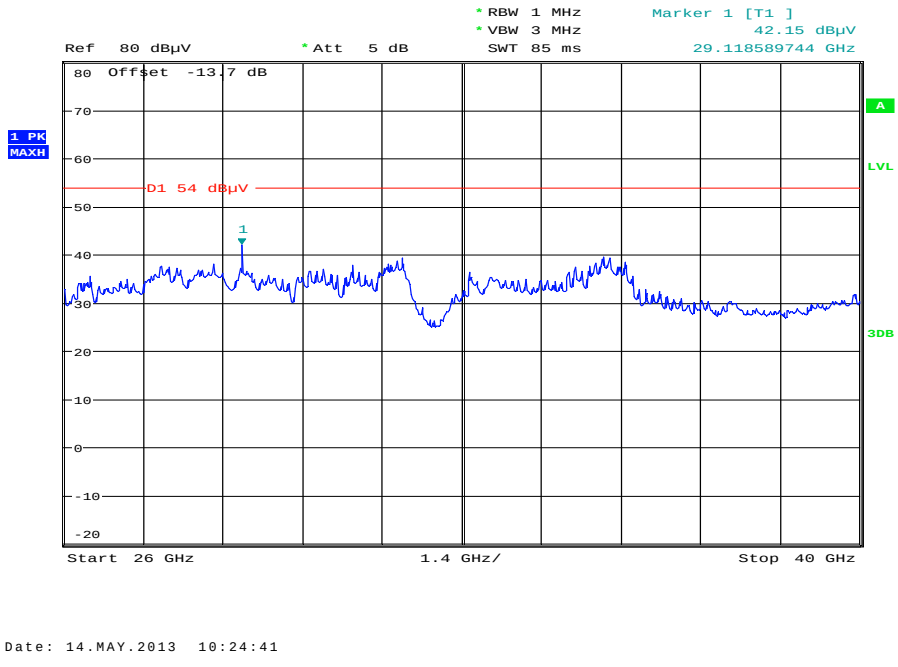
Plot 13: Highest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



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

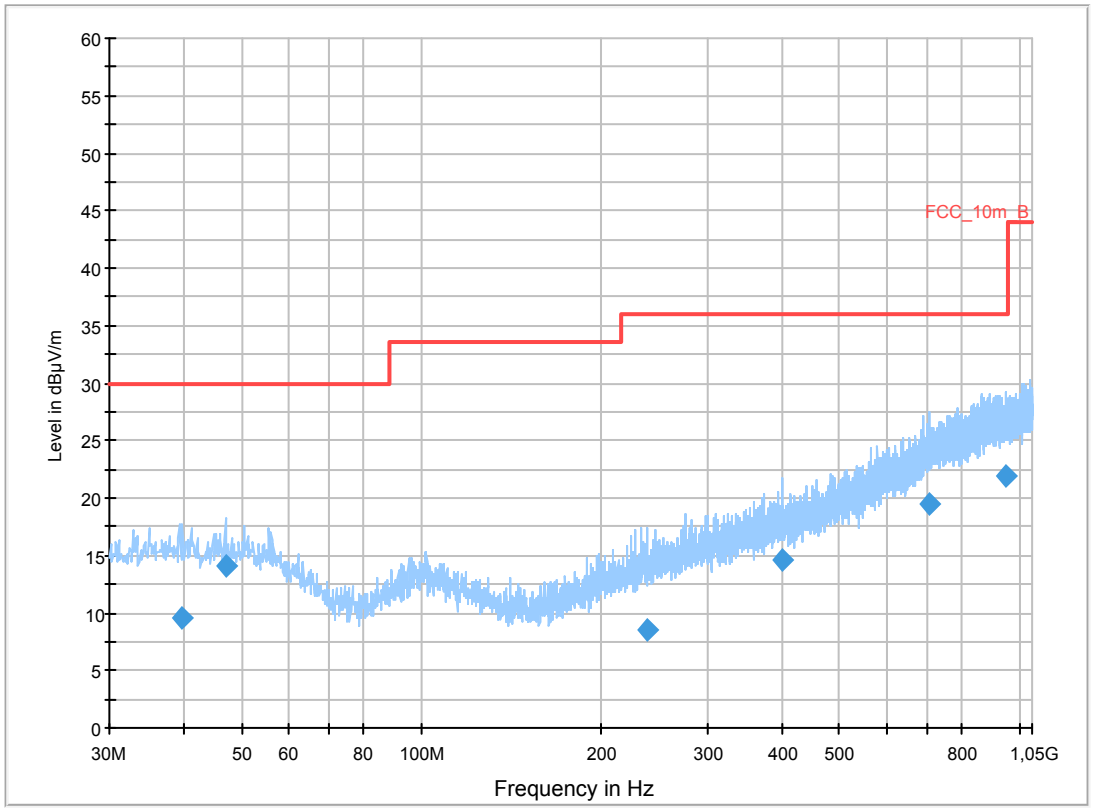
Common Information

EUT:	WLANBV2-A + antenna M3002-66494
Serial Number:	eval 2
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	wlan n-mode HT 40 tx @5755MHz
Operator Name:	Wolsdorfer
Comment:	DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

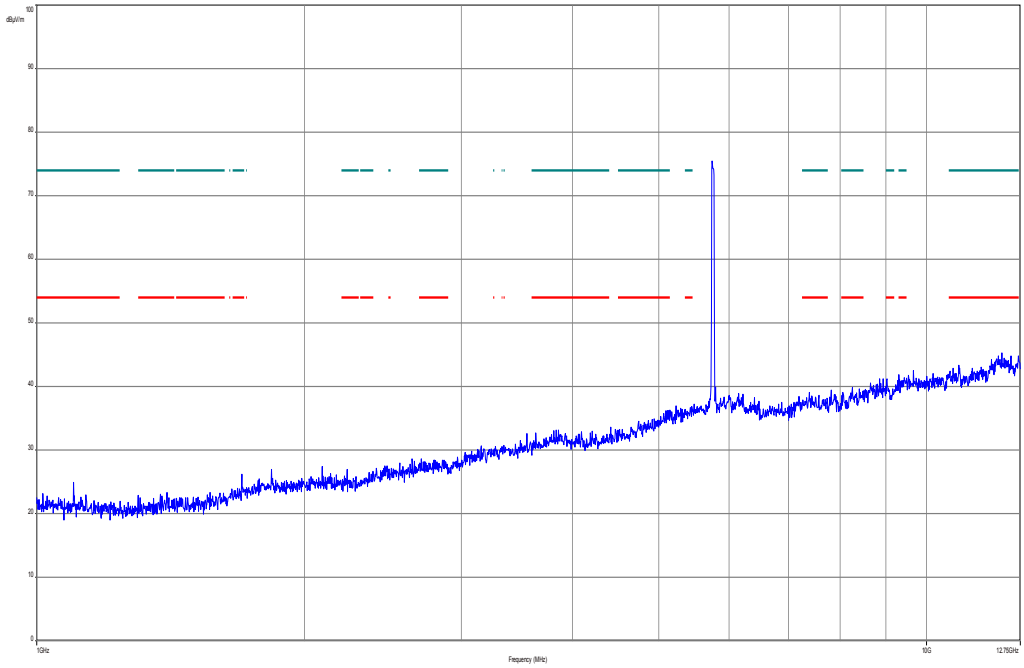
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



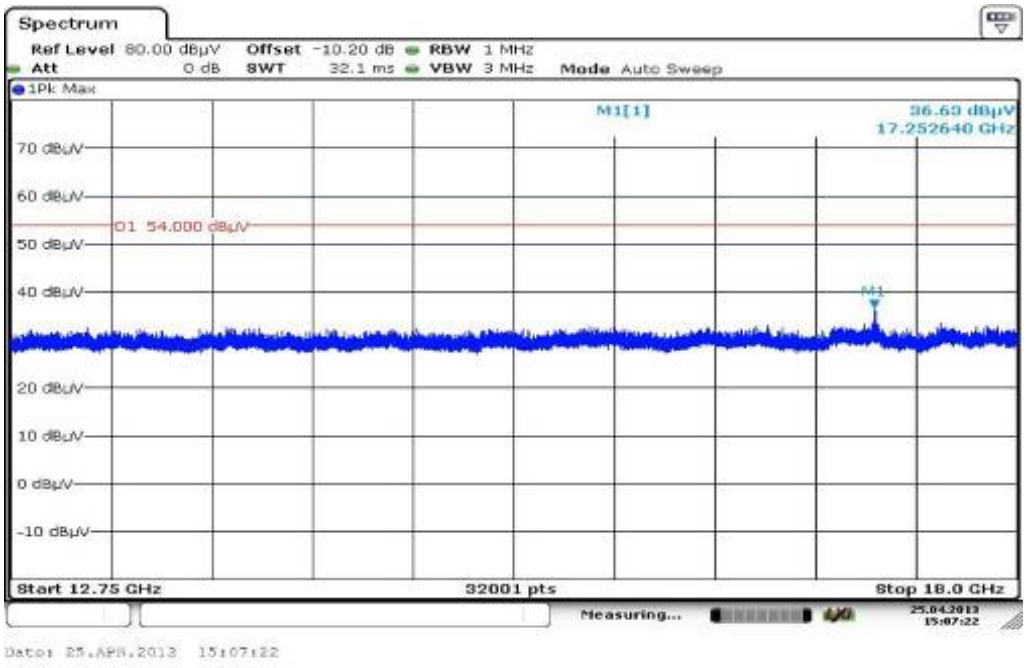
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
39.624600	9.6	1000.0	120.000	170.0	V	280.0	13.4	20.4	30.0	
46.998150	14.0	1000.0	120.000	98.0	V	280.0	13.3	16.0	30.0	
239.121750	8.5	1000.0	120.000	132.0	V	10.0	13.0	27.5	36.0	
399.990150	14.6	1000.0	120.000	170.0	V	171.0	16.9	21.4	36.0	
708.172350	19.5	1000.0	120.000	170.0	V	280.0	22.7	16.5	36.0	
951.505050	21.9	1000.0	120.000	161.0	V	171.0	25.4	14.1	36.0	

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

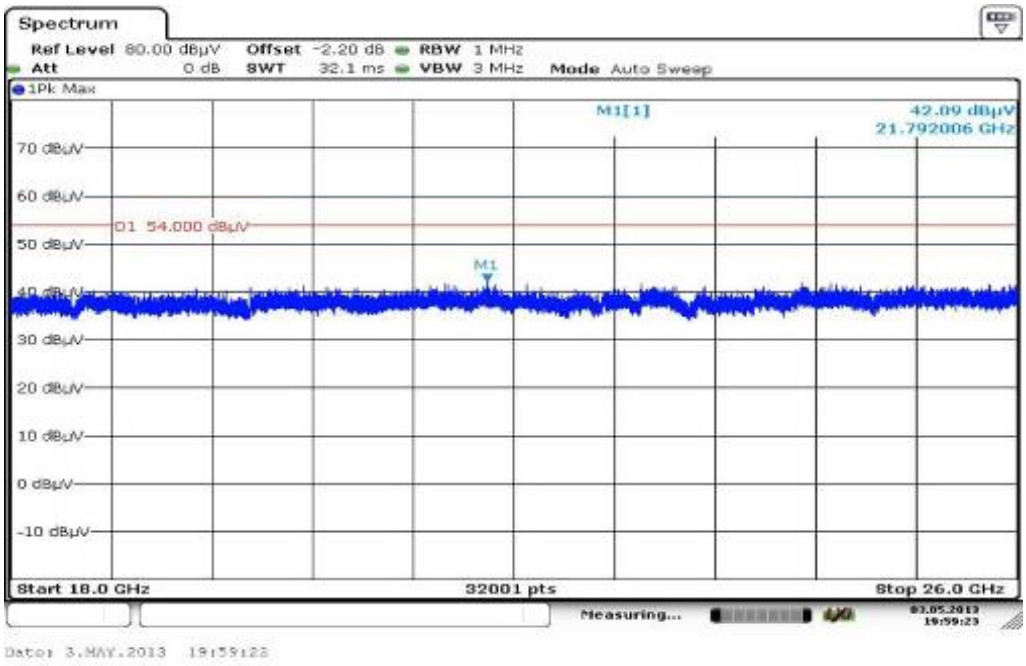


Plot 3: Lowest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization

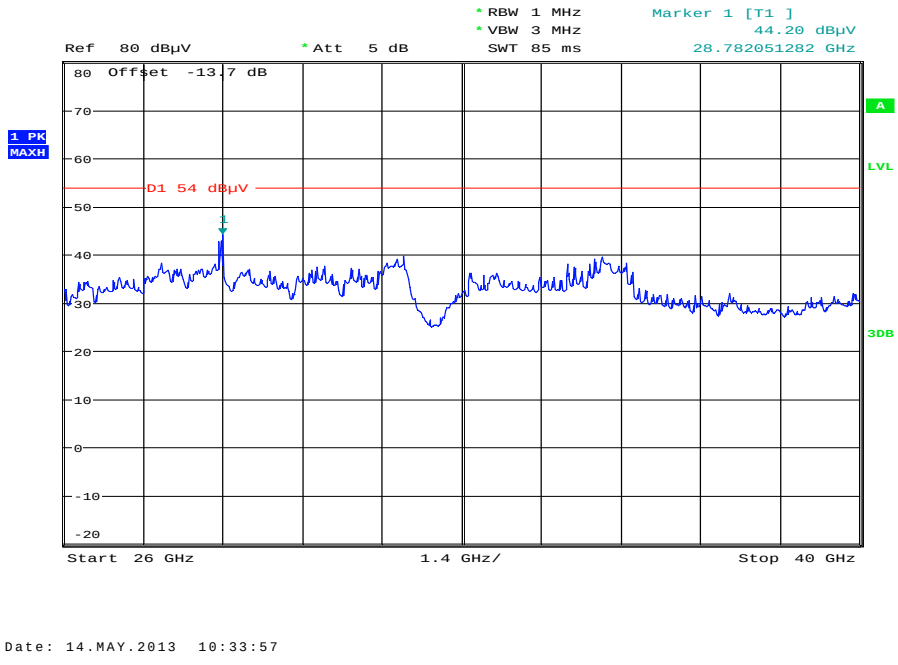


Date: 25.APR.2013 15:07:22

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

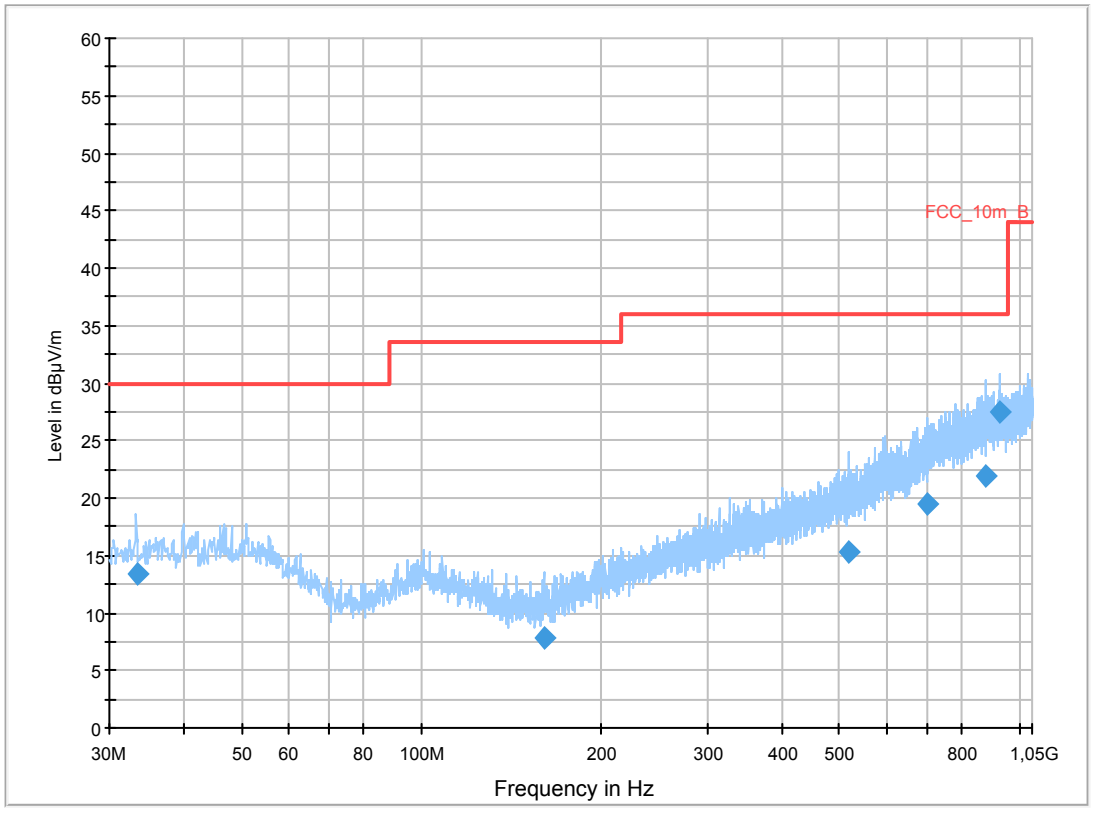
Common Information

EUT:	WLANBV2-A + antenna M3002-66494
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

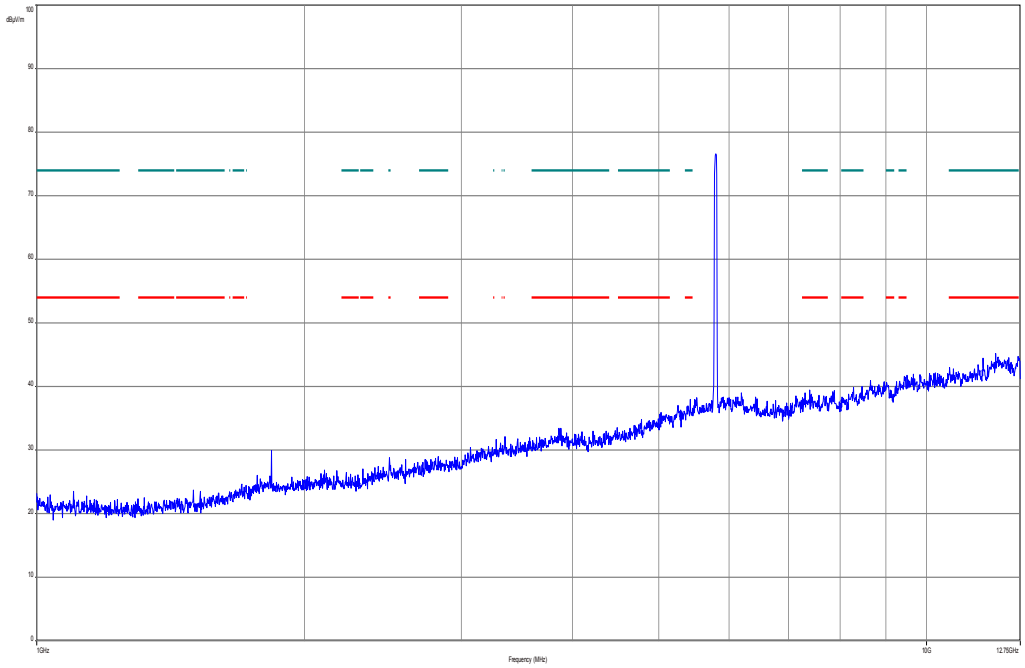
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



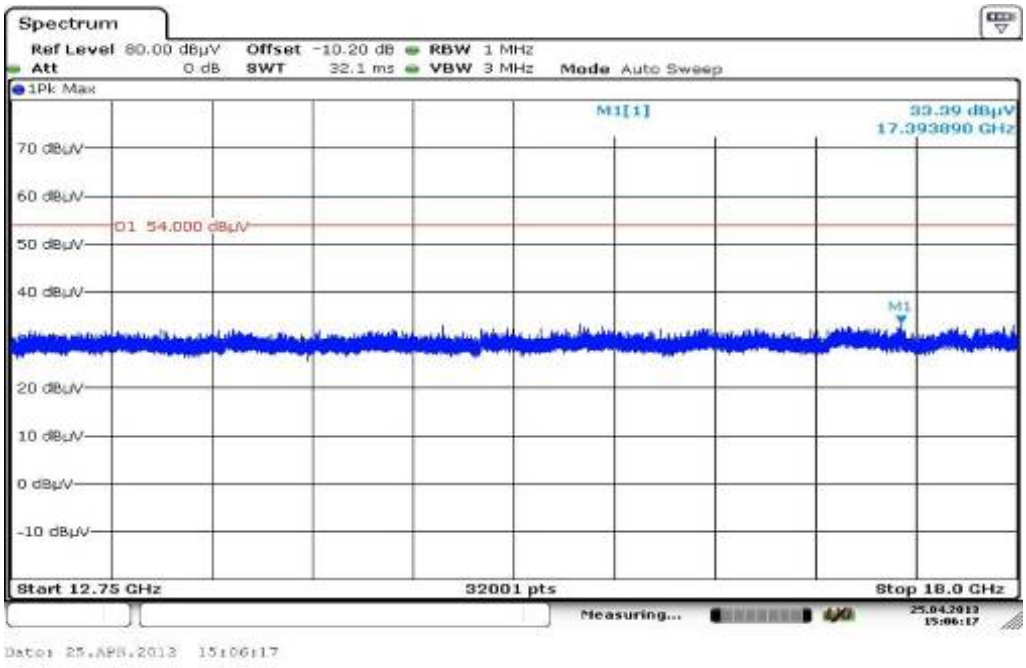
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
33.350850	13.3	1000.0	120.000	98.0	V	280.0	12.9	16.7	30.0	
160.018050	7.8	1000.0	120.000	134.0	V	190.0	9.2	25.7	33.5	
517.063500	15.2	1000.0	120.000	170.0	H	100.0	18.9	20.8	36.0	
699.070800	19.5	1000.0	120.000	154.0	H	-10.0	22.5	16.5	36.0	
876.474600	21.9	1000.0	120.000	170.0	H	183.0	24.9	14.1	36.0	
927.457350	27.5	1000.0	120.000	170.0	V	260.0	25.3	8.5	36.0	

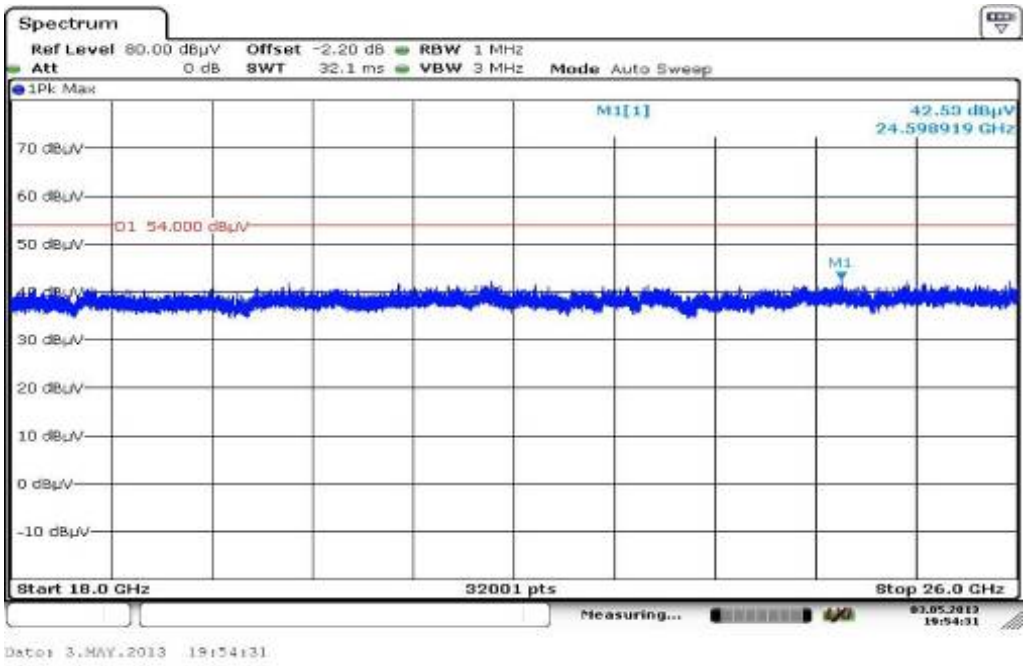
Plot 7: Highest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



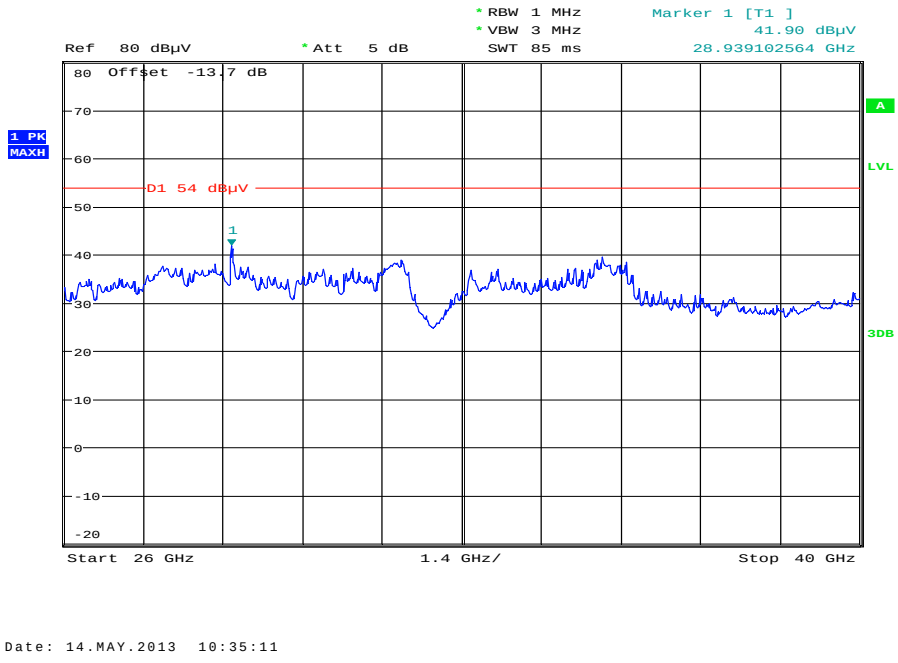
Plot 8: Highest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



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 453564175981:

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

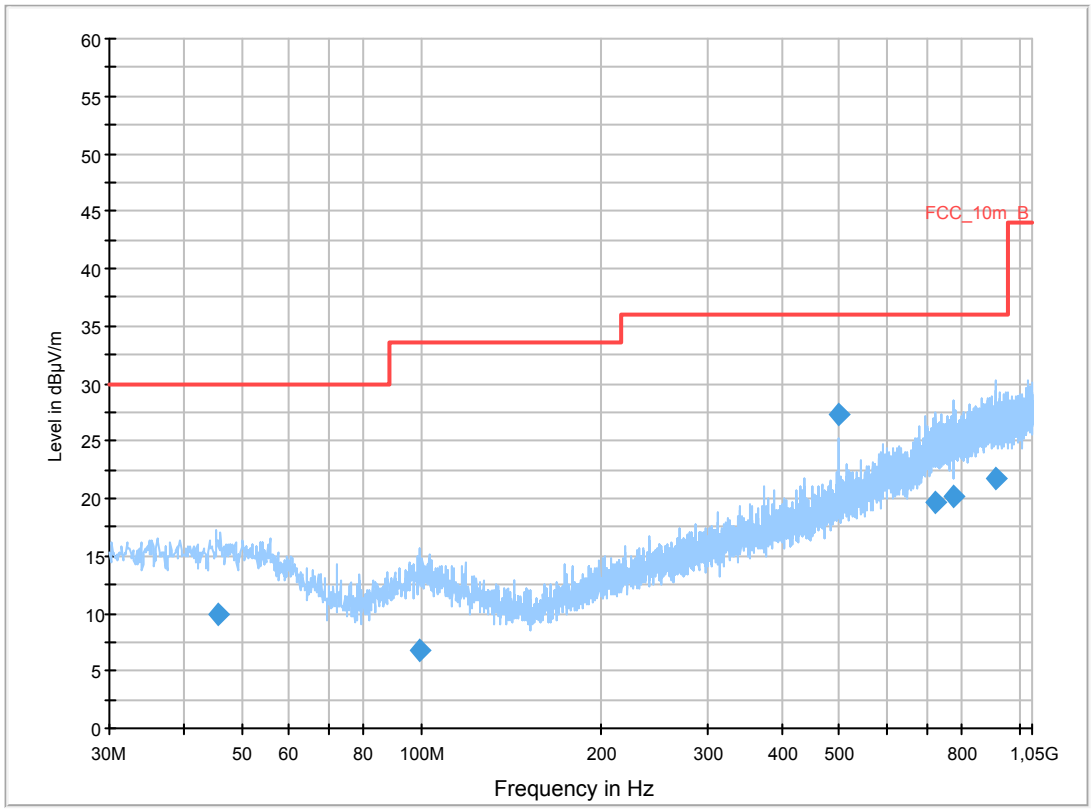
Common Information

EUT:	WLANBV2-A + antenna 453564175981
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
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

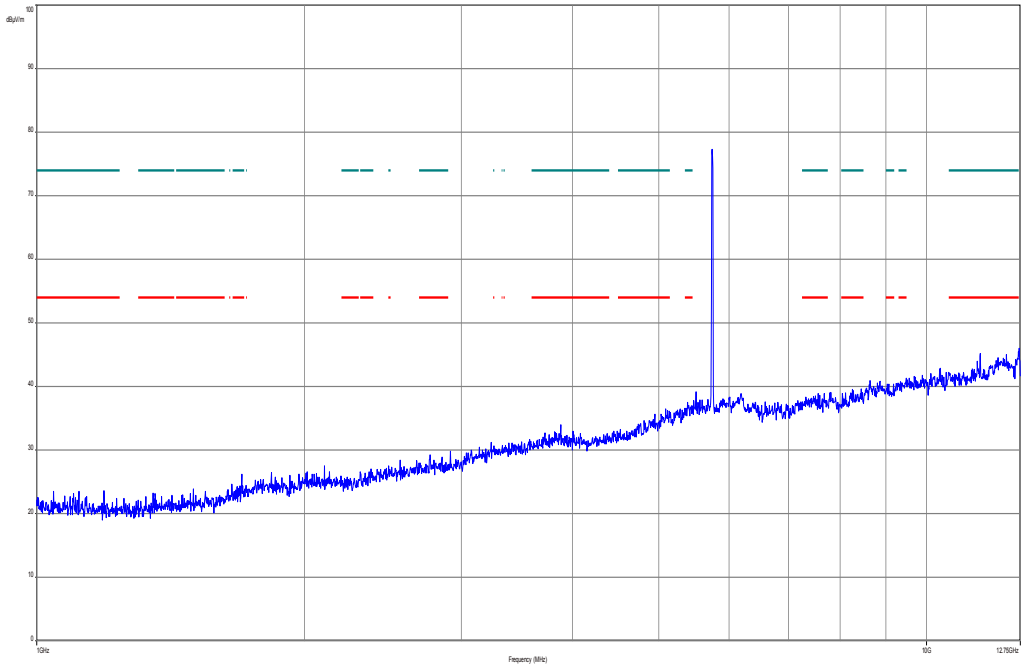
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



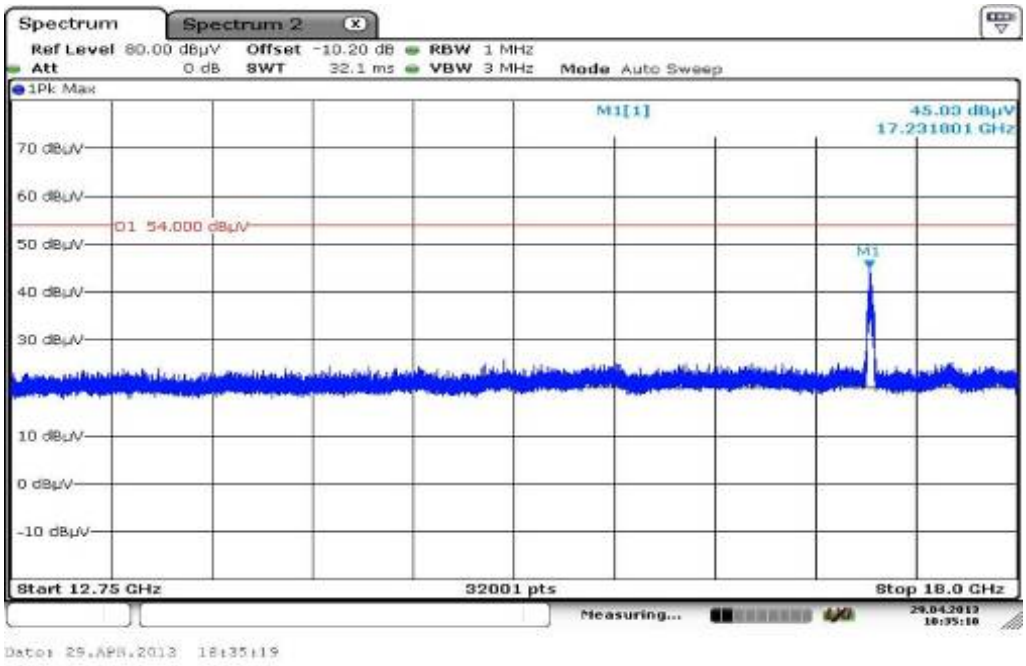
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
45.617850	9.9	1000.0	120.000	98.0	V	-3.0	13.3	20.1	30.0	
99.370650	6.9	1000.0	120.000	143.0	V	190.0	11.8	26.6	33.5	
500.002050	27.2	1000.0	120.000	161.0	H	170.0	18.7	8.8	36.0	
725.950500	19.6	1000.0	120.000	110.0	H	182.0	23.1	16.4	36.0	
772.723650	20.2	1000.0	120.000	170.0	V	182.0	23.7	15.8	36.0	
909.808650	21.7	1000.0	120.000	152.0	V	100.0	25.2	14.3	36.0	

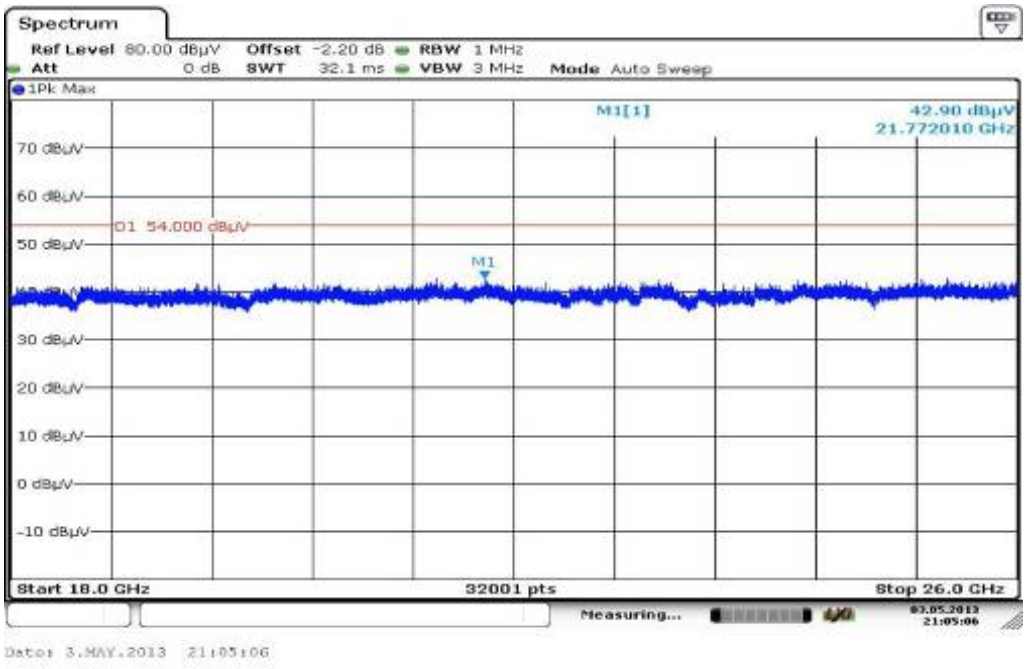
Plot 2: Lowest channel, 1 GHz to 12.75 GHz, vertical & horizontal polarization



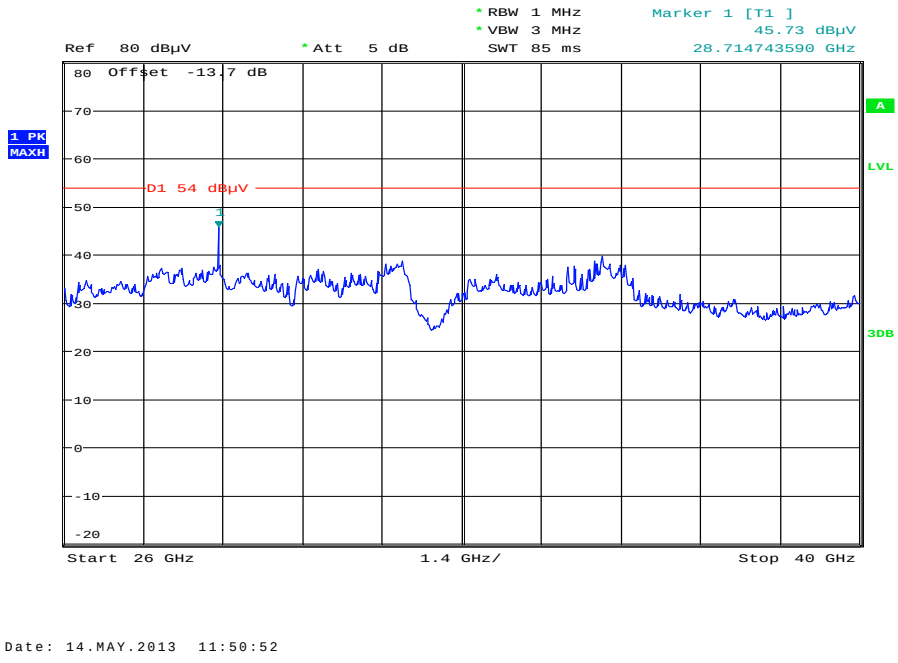
Plot 3: Lowest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization



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

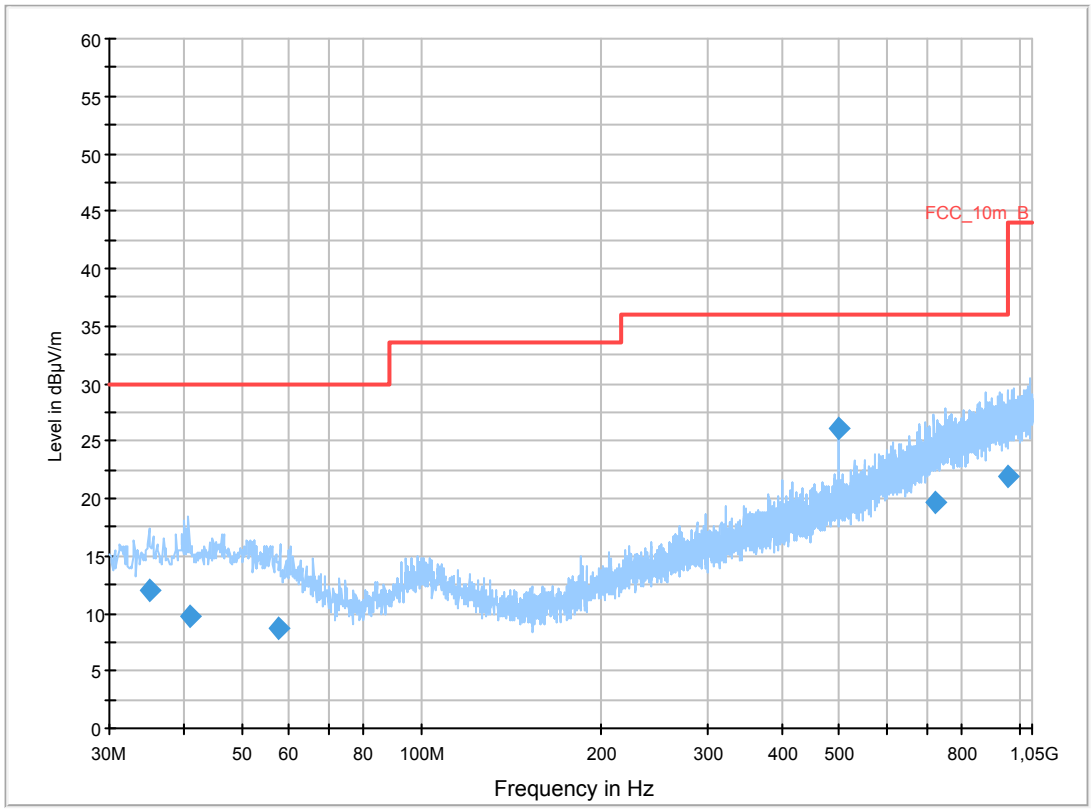
Common Information

EUT:	WLANBV2-A + antenna 453564175981
Serial Number:	eval
Test Description:	FCC part 15 C class B @ 10 m
Operating Conditions:	WLAN 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
35.041500	12.0	1000.0	120.000	170.0	V	171.0	13.0	18.0	30.0	
41.069850	9.7	1000.0	120.000	170.0	H	2.0	13.4	20.3	30.0	
57.571500	8.6	1000.0	120.000	170.0	V	190.0	12.2	21.4	30.0	
500.020650	26.1	1000.0	120.000	170.0	H	178.0	18.7	9.9	36.0	
720.668550	19.6	1000.0	120.000	170.0	H	10.0	23.0	16.4	36.0	
954.642000	21.9	1000.0	120.000	170.0	V	171.0	25.4	14.1	36.0	