

Antenna 453564175981

Plots: OFDM / a – mode

Plot 1: 30 MHz to 1 GHz, 5180 MHz, vertical & horizontal polarization

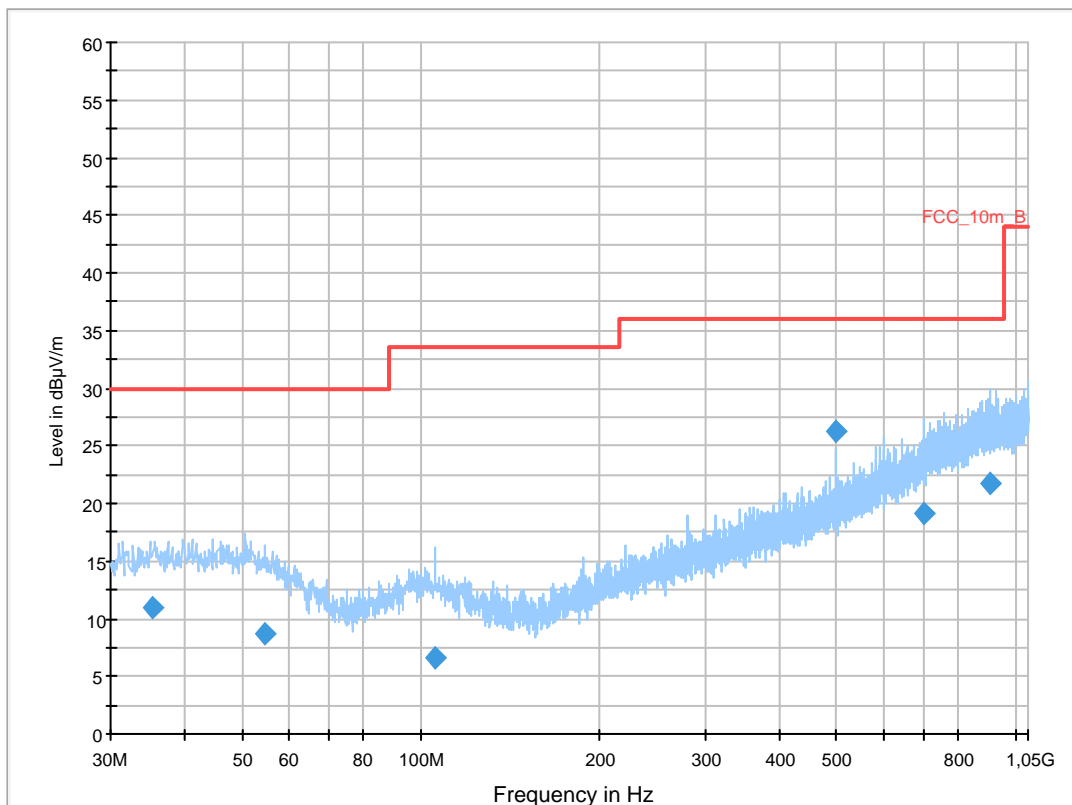
Common Information

EUT: WLANBV2-A + antenna 453564175981
 Serial Number: eval
 Test Description: FCC part 15 C class B @ 10 m
 Operating Conditions: WLAN a mode tx @ 5180MHz
 Operator Name: Hennemann
 Comment: DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

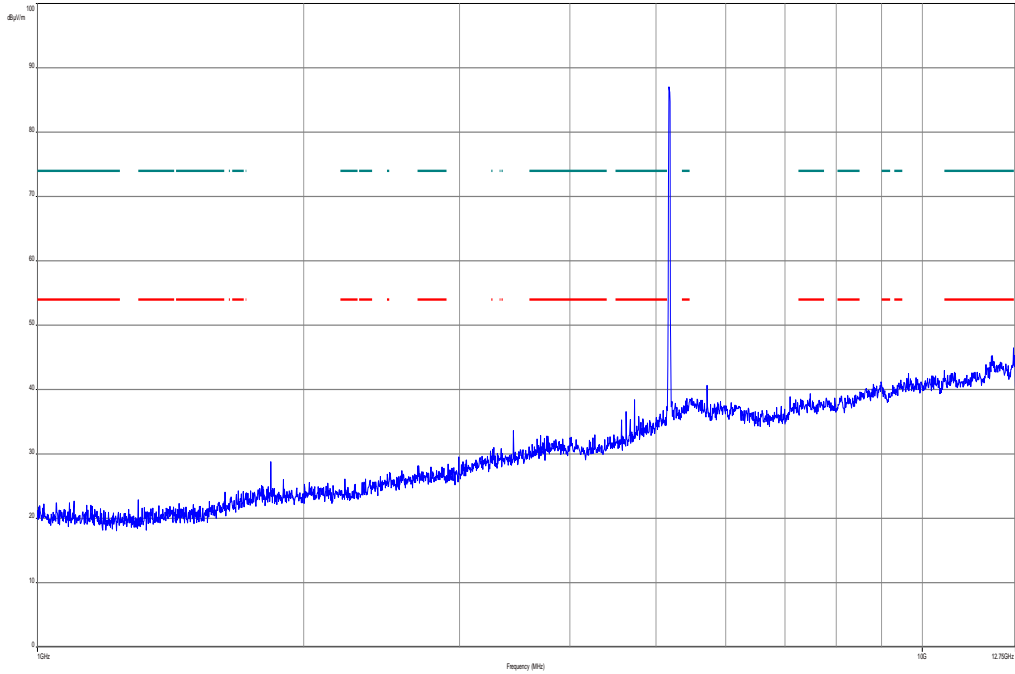
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



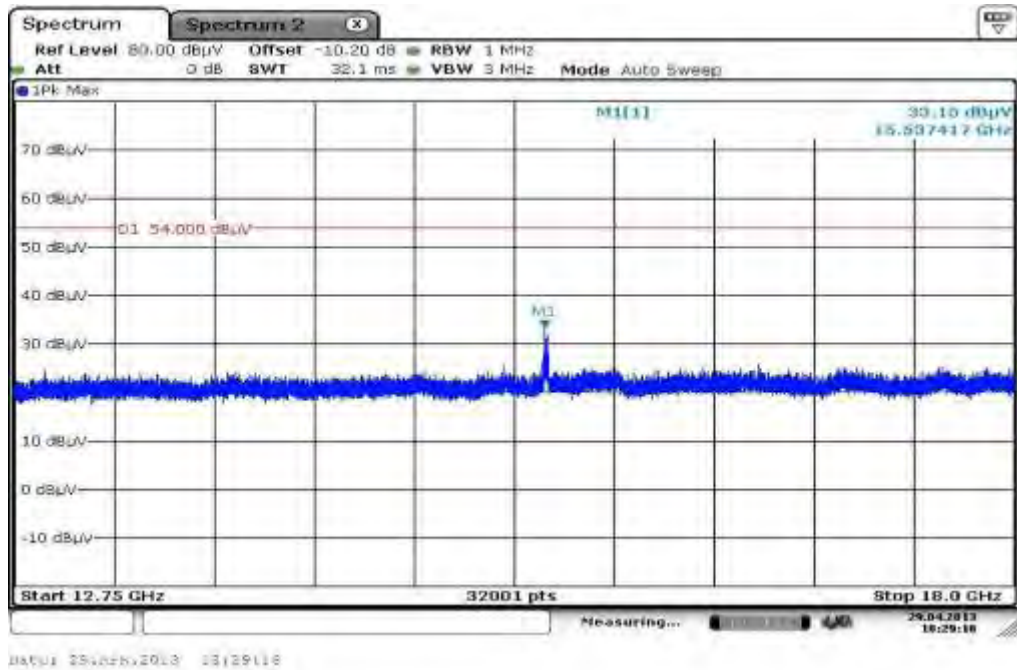
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
35.427900	10.9	1000.0	120.000	132.0	V	81.0	13.1	19.1	30.0	
54.651900	8.7	1000.0	120.000	170.0	V	100.0	12.9	21.3	30.0	
105.300900	6.6	1000.0	120.000	160.0	H	280.0	11.4	26.9	33.5	
499.990950	26.3	1000.0	120.000	98.0	V	267.0	18.7	9.7	36.0	
701.938050	19.2	1000.0	120.000	111.0	H	-5.0	22.5	16.8	36.0	
904.956750	21.7	1000.0	120.000	170.0	H	100.0	25.2	14.3	36.0	

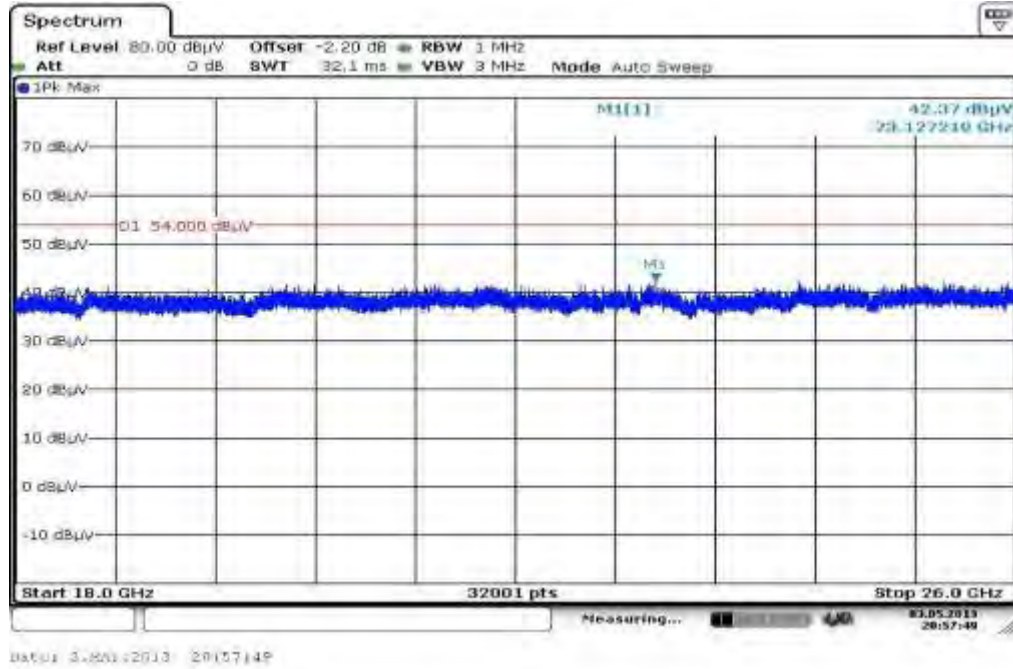
Plot 2: 1 GHz to 12.75 GHz, 5180 MHz, vertical & horizontal polarization



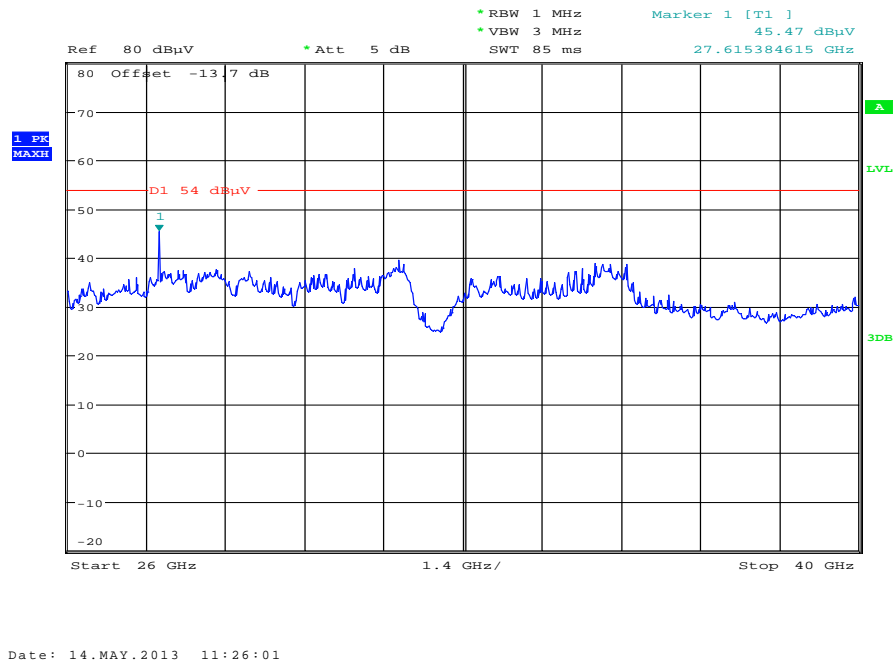
Plot 3: 12 GHz to 18 GHz, 5180 MHz, vertical & horizontal polarization



Plot 4: 18 GHz to 26 GHz, 5180 MHz, vertical & horizontal polarization



Plot 5: 26 GHz to 40 GHz, 5180 MHz, vertical & horizontal polarization



Plot 6: 30 MHz to 1 GHz, 5240 MHz, vertical & horizontal polarization

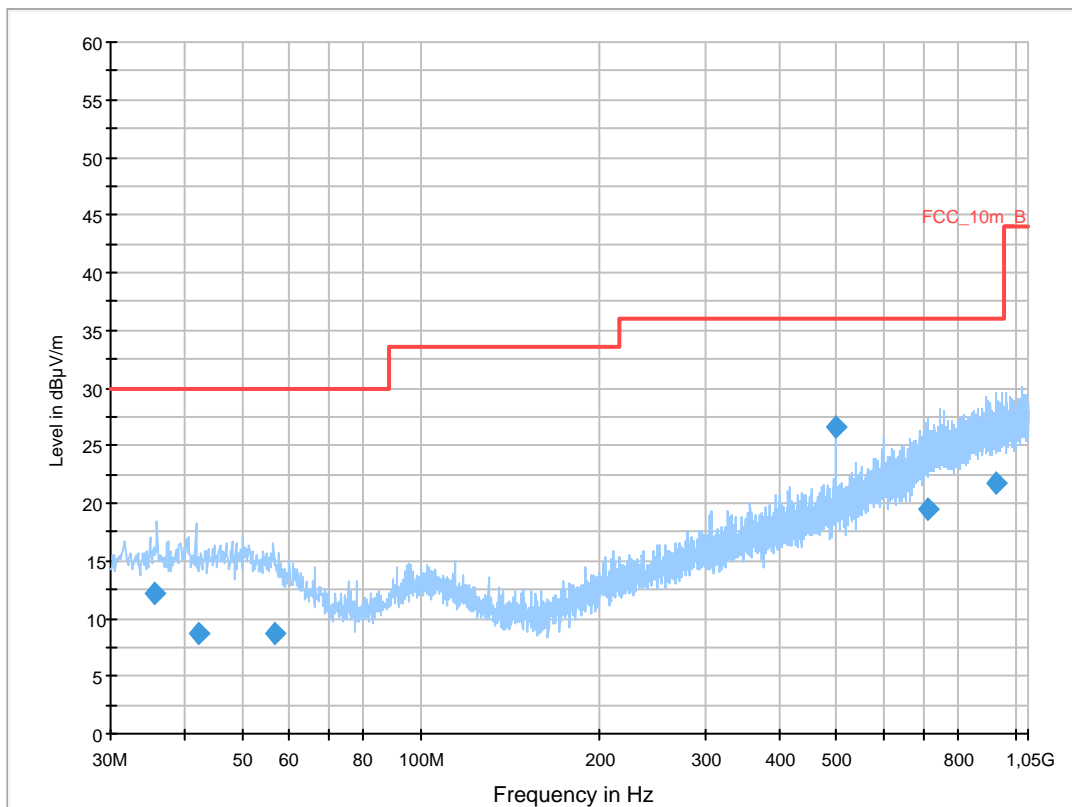
Common Information

EUT: WLANBV2-A + antenna 453564175981
 Serial Number: eval
 Test Description: FCC part 15 C class B @ 10 m
 Operating Conditions: WLAN a mode tx @ 5240MHz
 Operator Name: Hennemann
 Comment: DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

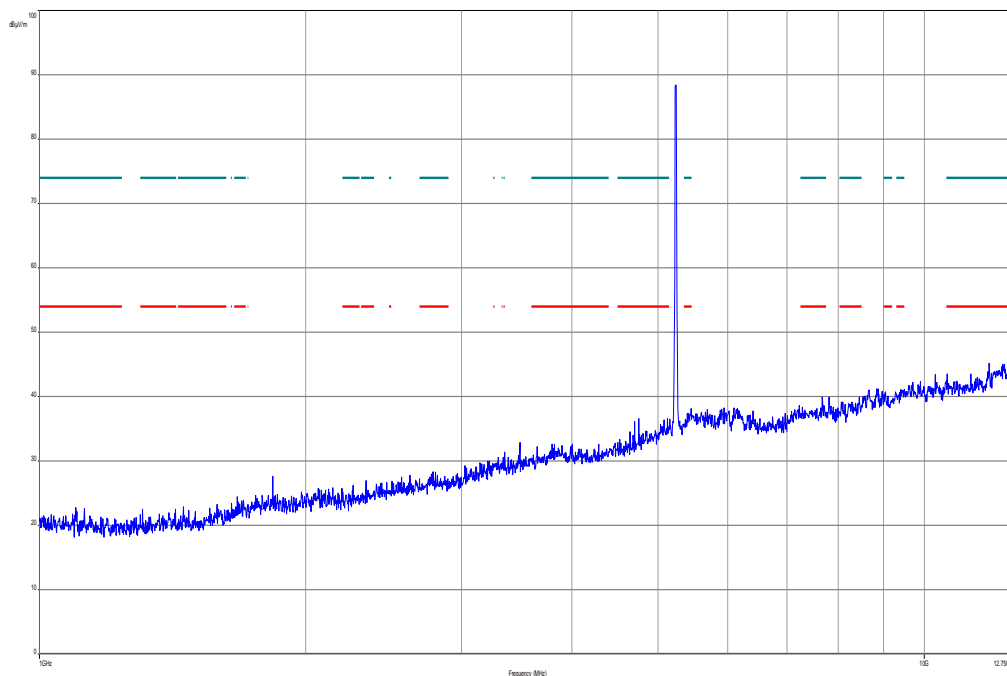
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



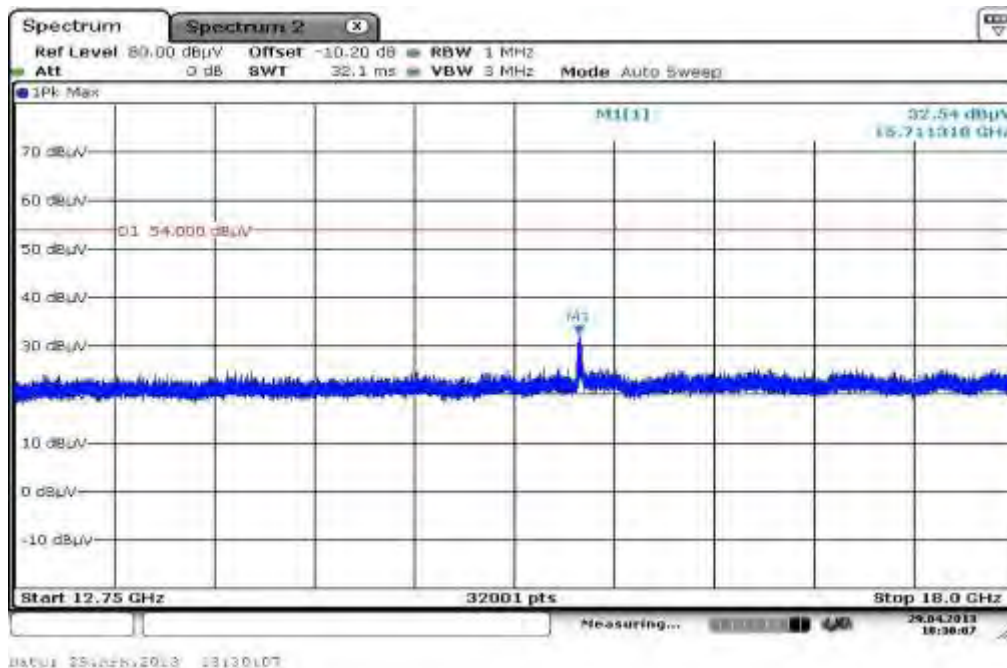
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
35.469150	12.1	1000.0	120.000	135.0	V	10.0	13.1	17.9	30.0	
42.294150	8.8	1000.0	120.000	170.0	V	171.0	13.4	21.2	30.0	
56.913000	8.6	1000.0	120.000	130.0	V	266.0	12.4	21.4	30.0	
500.016000	26.5	1000.0	120.000	98.0	V	260.0	18.7	9.5	36.0	
711.539700	19.5	1000.0	120.000	170.0	V	280.0	22.8	16.6	36.0	
928.884300	21.7	1000.0	120.000	111.0	V	-5.0	25.3	14.3	36.0	

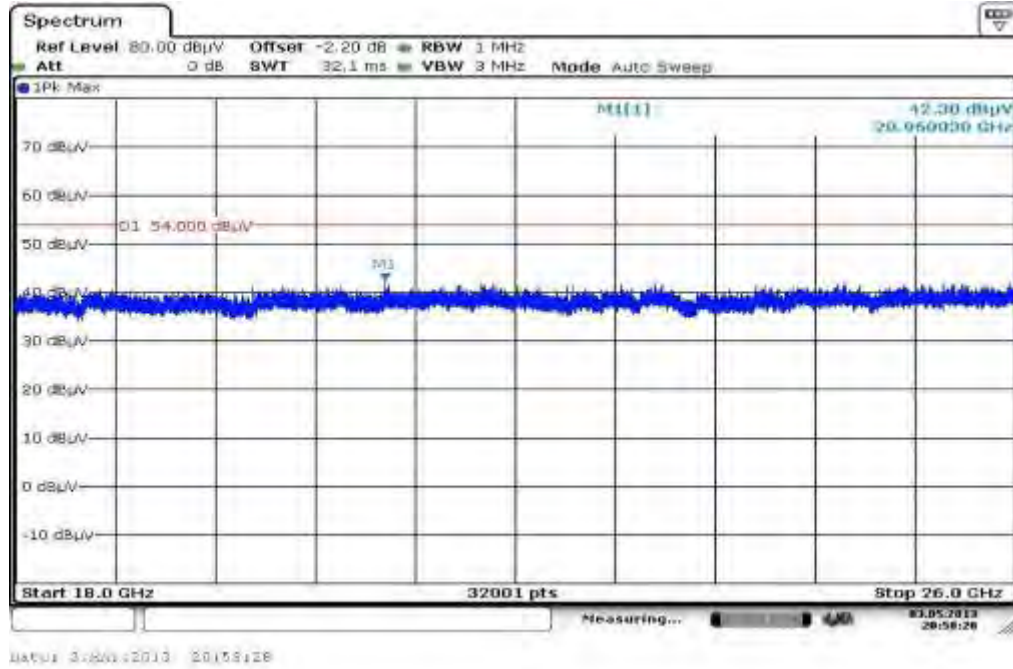
Plot 7: 1 GHz to 12.75 GHz, 5240 MHz, vertical & horizontal polarization



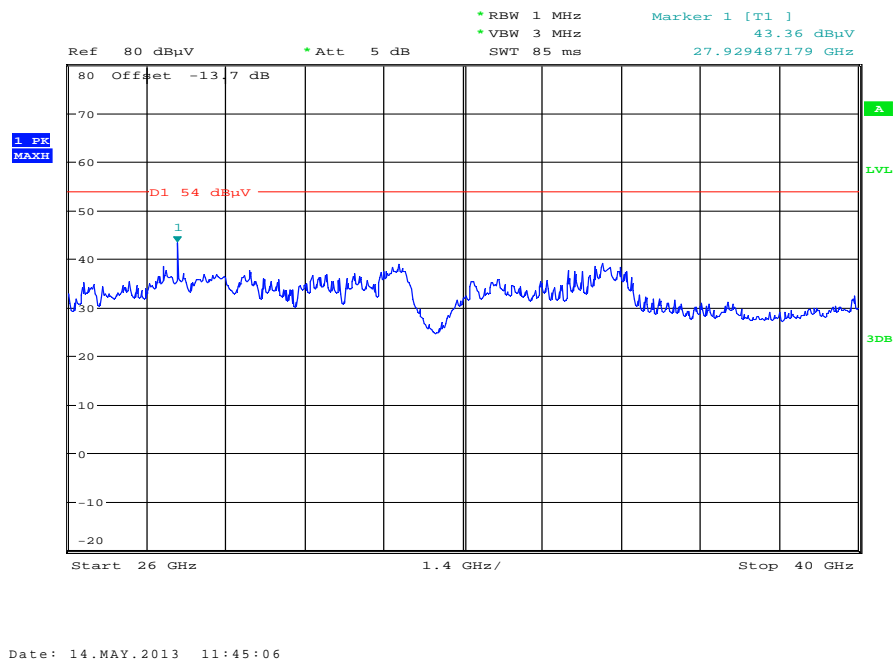
Plot 8: 12 GHz to 18 GHz, 5240 MHz, vertical & horizontal polarization



Plot 9: 18 GHz to 26 GHz, 5240 MHz, vertical & horizontal polarization



Plot 10: 26 GHz to 40 GHz, 5240 MHz, vertical & horizontal polarization



Plot 11: 30 MHz to 1 GHz, 5260 MHz, vertical & horizontal polarization

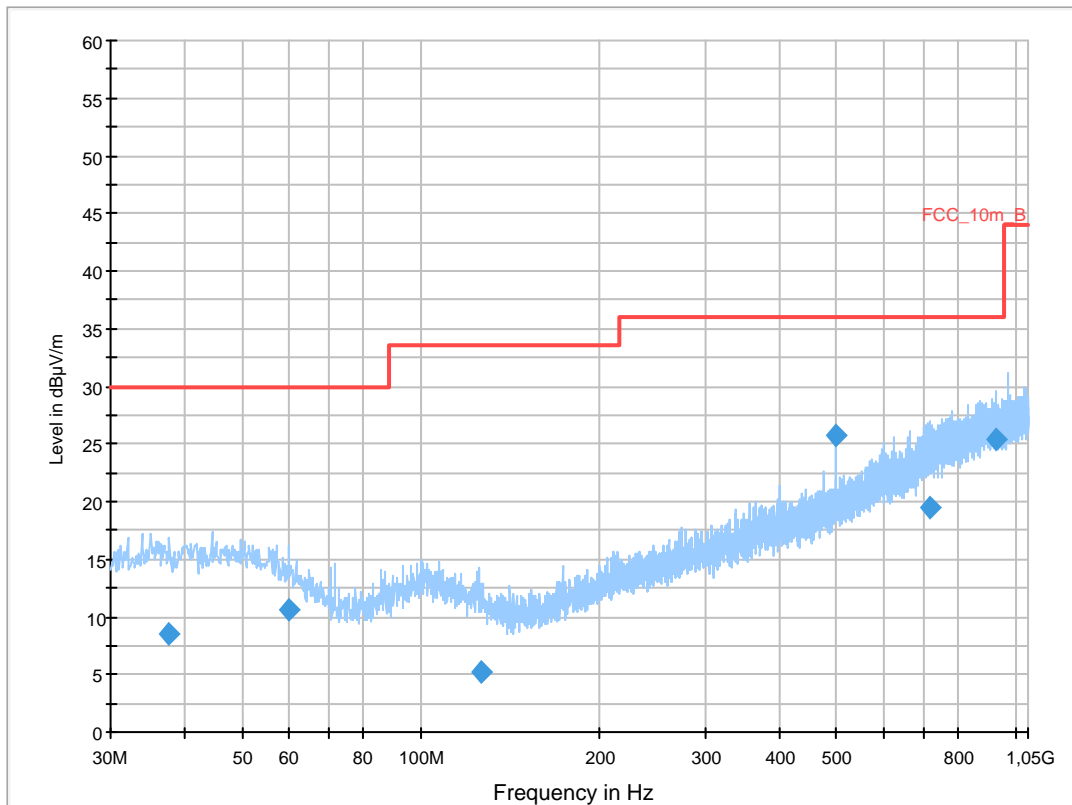
Common Information

EUT: WLANBV2-A + antenna 453564175981
 Serial Number: eval
 Test Description: FCC part 15 C class B @ 10 m
 Operating Conditions: WLAN a mode tx @ 5260MHz
 Operator Name: Hennemann
 Comment: DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

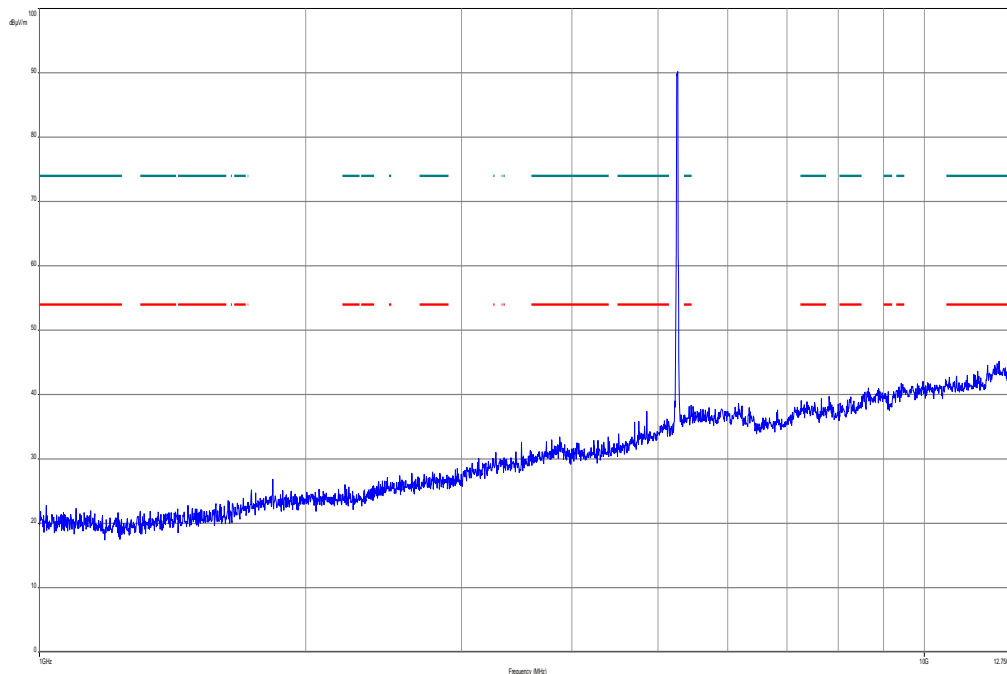
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



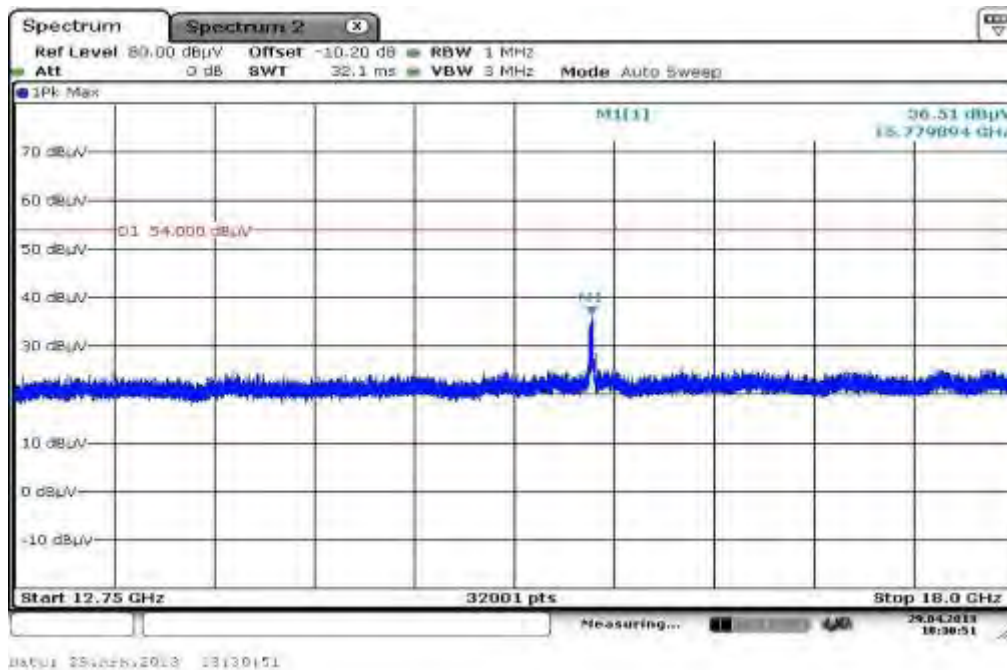
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
37.661100	8.6	1000.0	120.000	133.0	H	-10.0	13.3	21.4	30.0	
60.001050	10.6	1000.0	120.000	111.0	V	0.0	11.6	19.4	30.0	
125.823150	5.2	1000.0	120.000	170.0	H	171.0	9.7	28.3	33.5	
500.009550	25.7	1000.0	120.000	170.0	H	81.0	18.7	10.3	36.0	
719.906400	19.6	1000.0	120.000	170.0	V	190.0	23.0	16.4	36.0	
927.349950	25.3	1000.0	120.000	98.0	H	-5.0	25.3	10.7	36.0	

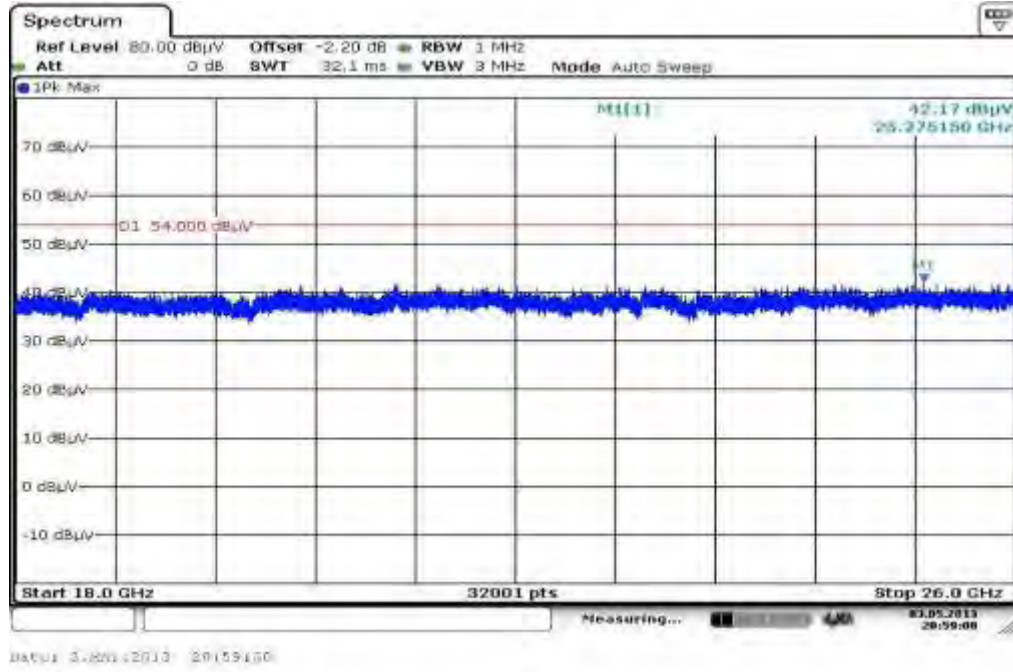
Plot 12: 1 GHz to 12.75 GHz, 5260 MHz, vertical & horizontal polarization



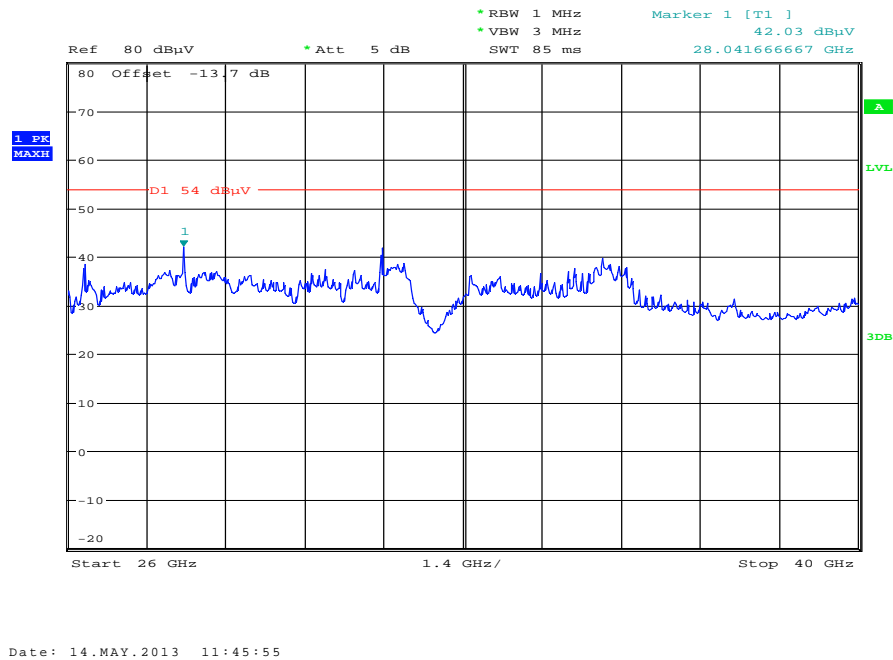
Plot 13: 12 GHz to 18 GHz, 5260 MHz, vertical & horizontal polarization



Plot 14: 18 GHz to 26 GHz, 5260 MHz, vertical & horizontal polarization



Plot 15: 26 GHz to 40 GHz, 5260 MHz, vertical & horizontal polarization



Plot 16: 30 MHz to 1 GHz, 5320 MHz, vertical & horizontal polarization

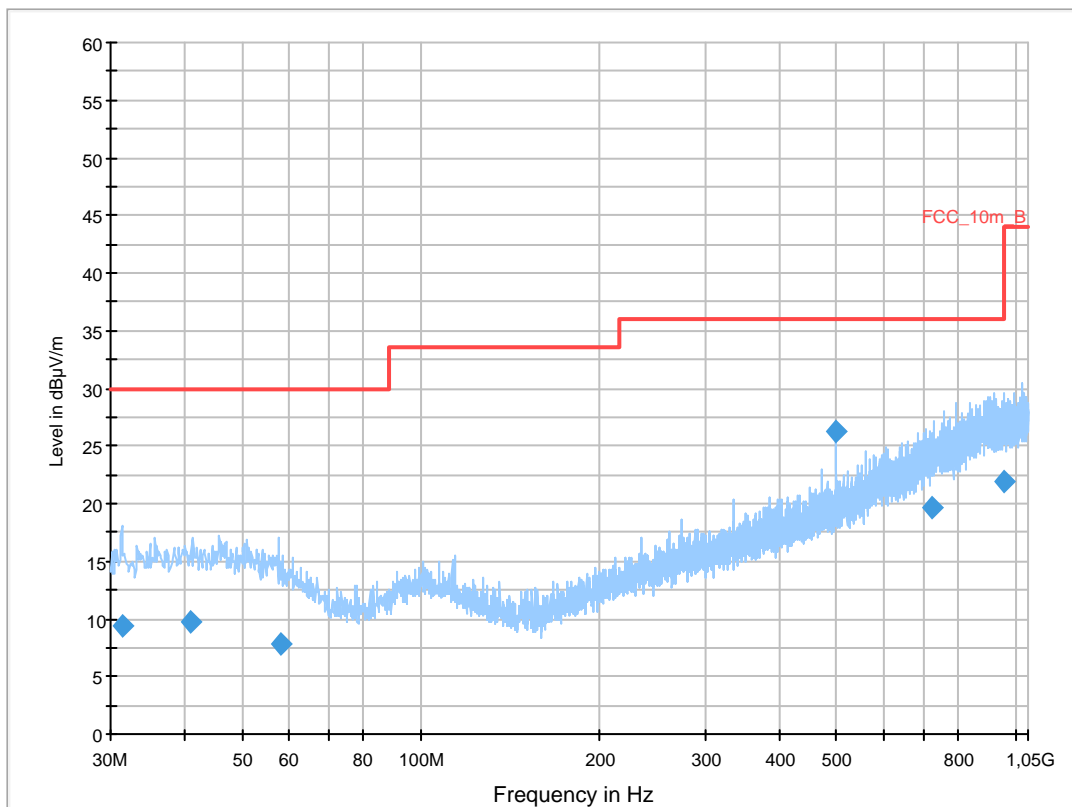
Common Information

EUT: WLANBV2-A + antenna 453564175981
 Serial Number: eval
 Test Description: FCC part 15 C class B @ 10 m
 Operating Conditions: WLAN a mode tx @ 5320MHz
 Operator Name: Hennemann
 Comment: DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

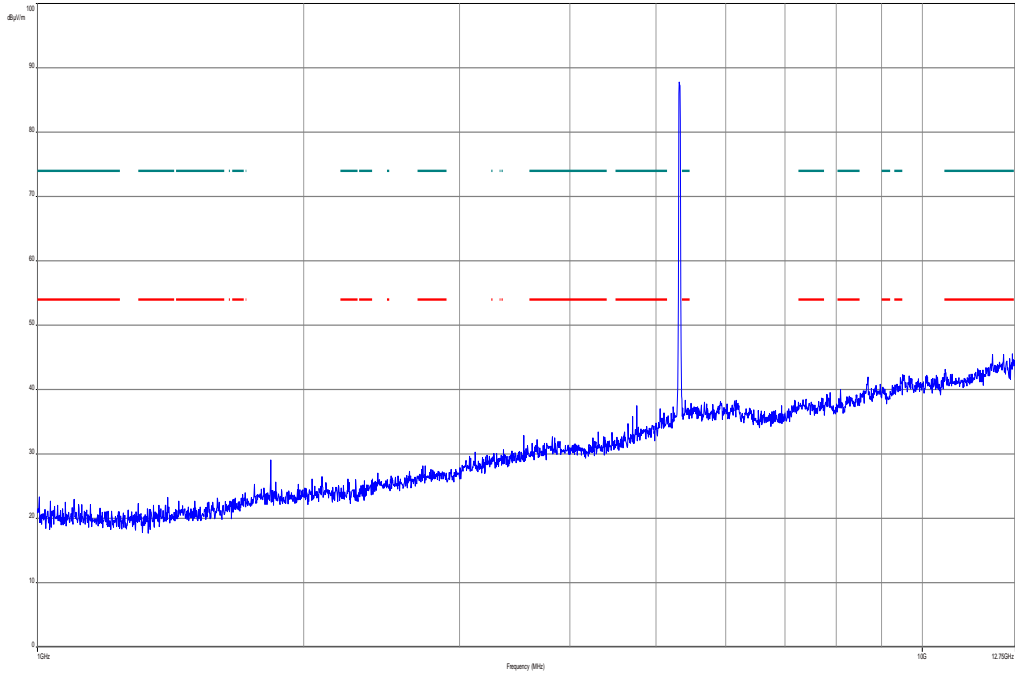
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



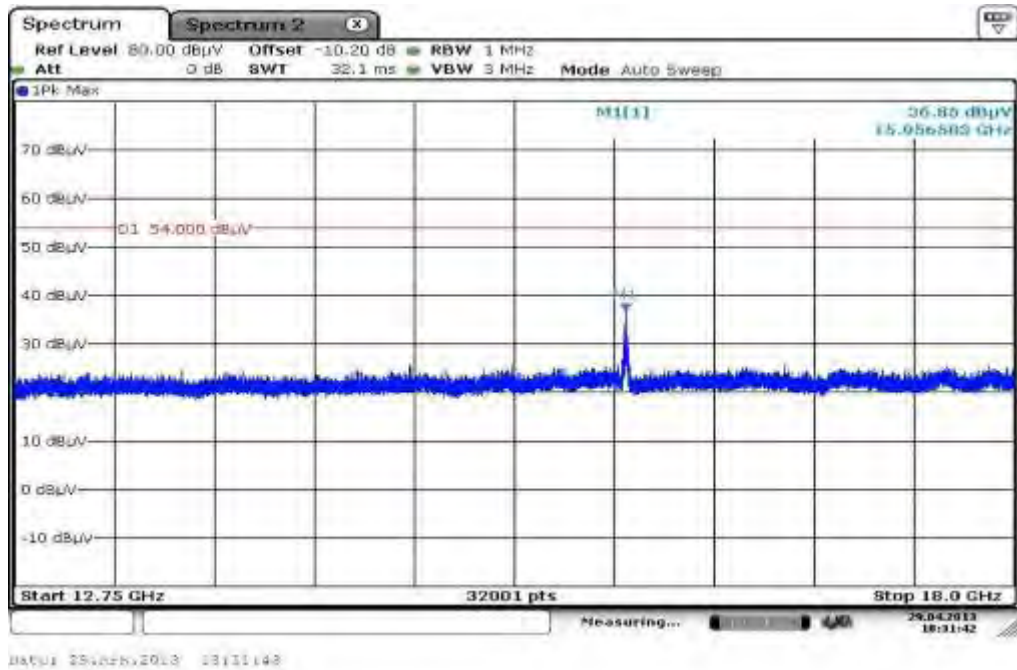
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
31.327350	9.4	1000.0	120.000	98.0	H	100.0	12.6	20.6	30.0	
40.879050	9.8	1000.0	120.000	98.0	H	10.0	13.4	20.2	30.0	
57.885600	7.9	1000.0	120.000	170.0	H	0.0	12.1	22.1	30.0	
500.020050	26.3	1000.0	120.000	163.0	H	170.0	18.7	9.7	36.0	
726.166500	19.6	1000.0	120.000	170.0	V	190.0	23.1	16.4	36.0	
956.106000	21.9	1000.0	120.000	111.0	V	170.0	25.4	14.1	36.0	

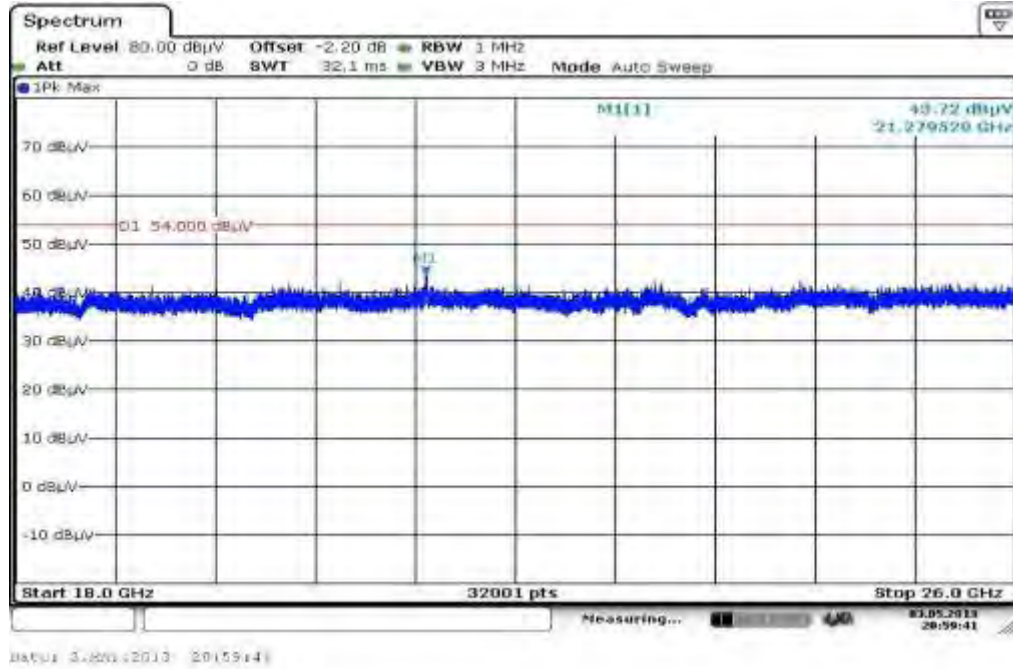
Plot 17: 1 GHz to 12.75 GHz, 5320 MHz, vertical & horizontal polarization



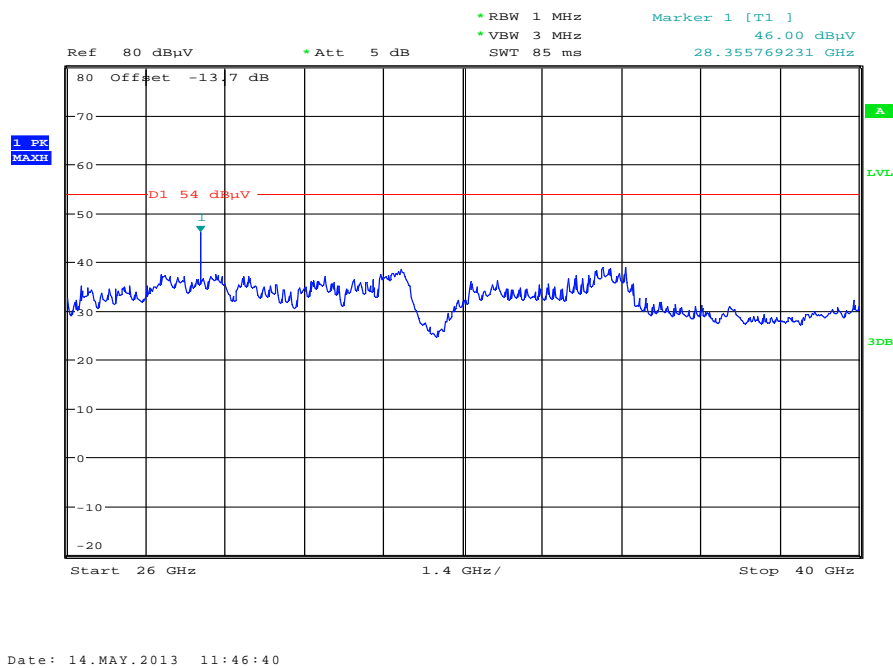
Plot 18: 12 GHz to 18 GHz, 5320 MHz, vertical & horizontal polarization



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

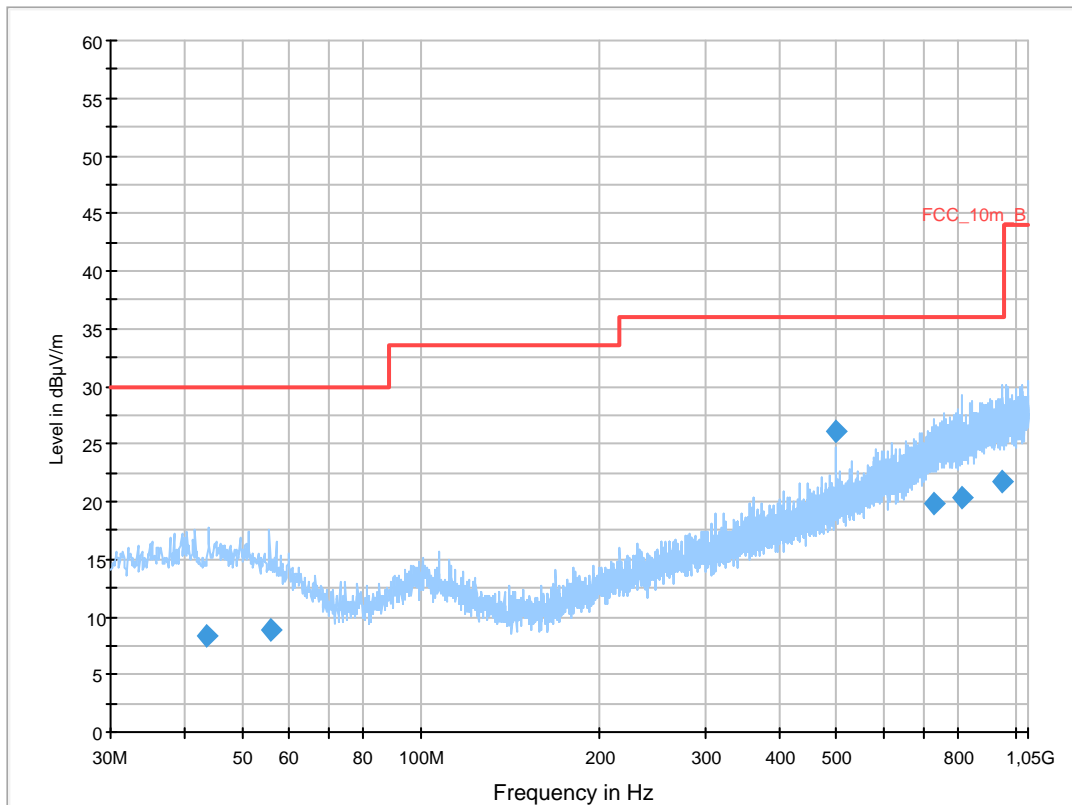
Common Information

EUT: WLANBV2-A + antenna 453564175981
 Serial Number: eval
 Test Description: FCC part 15 C class B @ 10 m
 Operating Conditions: WLAN a mode tx @ 5500MHz
 Operator Name: Hennemann
 Comment: DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

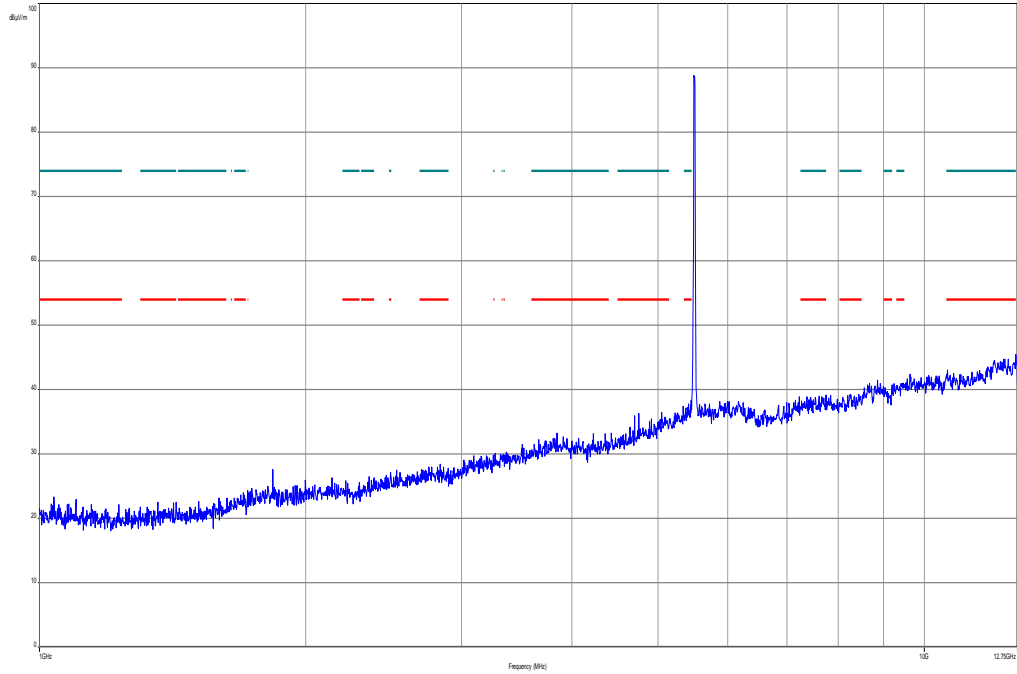
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



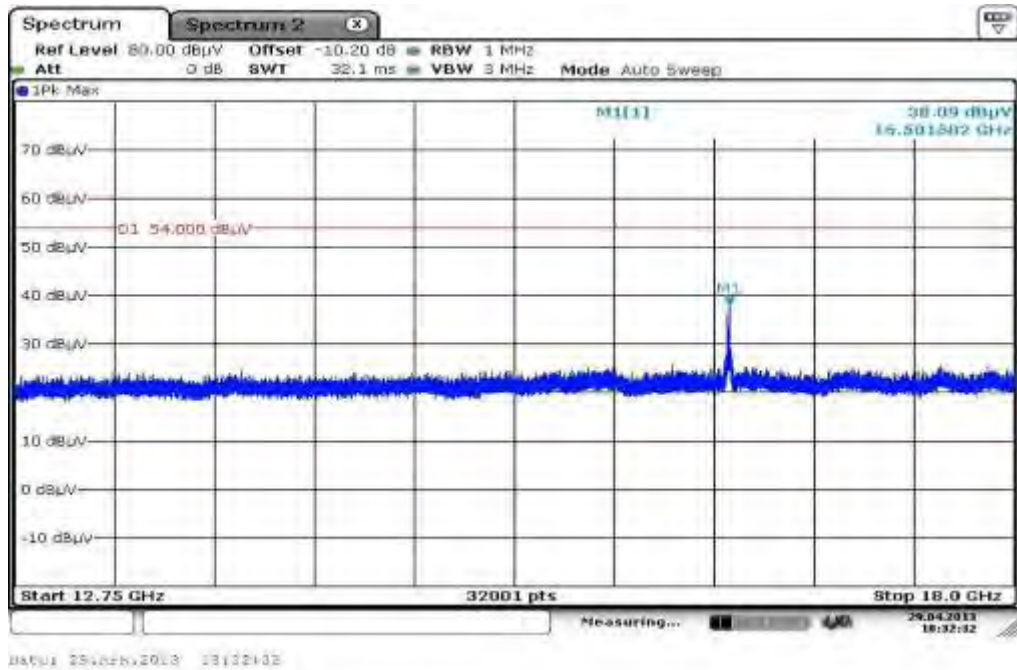
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
43.566600	8.4	1000.0	120.000	170.0	H	100.0	13.3	21.6	30.0	
55.943250	8.9	1000.0	120.000	170.0	H	-9.0	12.6	21.1	30.0	
500.009700	26.1	1000.0	120.000	170.0	H	177.0	18.7	9.9	36.0	
728.755500	19.8	1000.0	120.000	119.0	H	171.0	23.2	16.2	36.0	
813.559800	20.4	1000.0	120.000	170.0	V	171.0	24.0	15.6	36.0	
950.483850	21.8	1000.0	120.000	160.0	V	182.0	25.4	14.2	36.0	

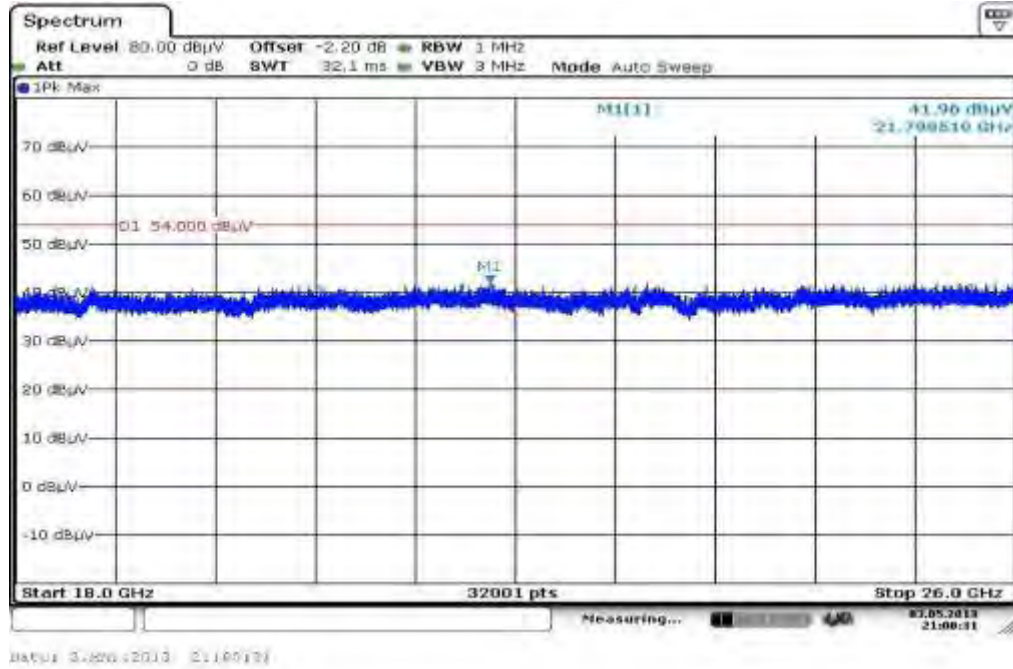
Plot 22: 1 GHz to 12.75 GHz, 5500 MHz, vertical & horizontal polarization



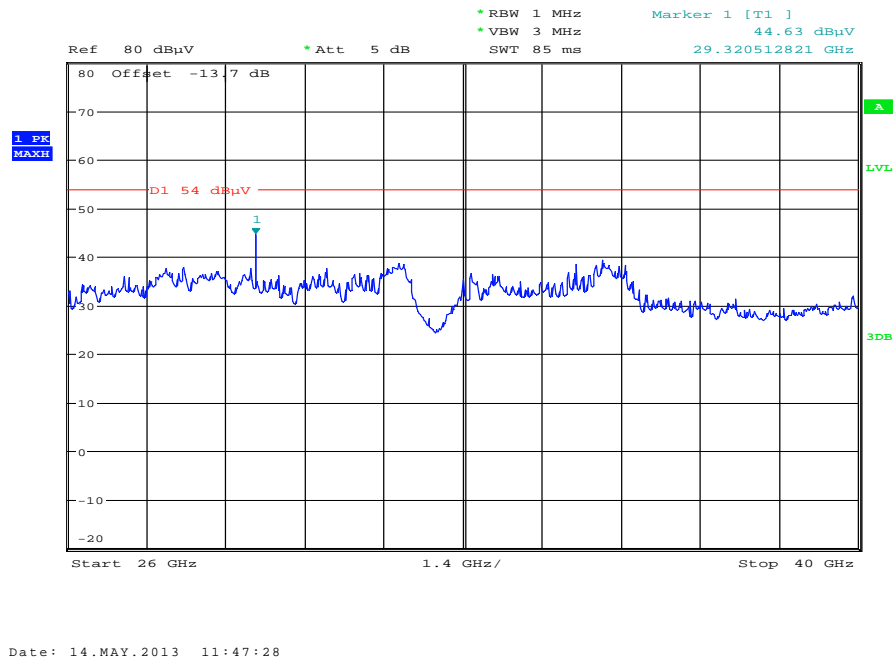
Plot 23: 12 GHz to 18 GHz, 5500 MHz, vertical & horizontal polarization



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

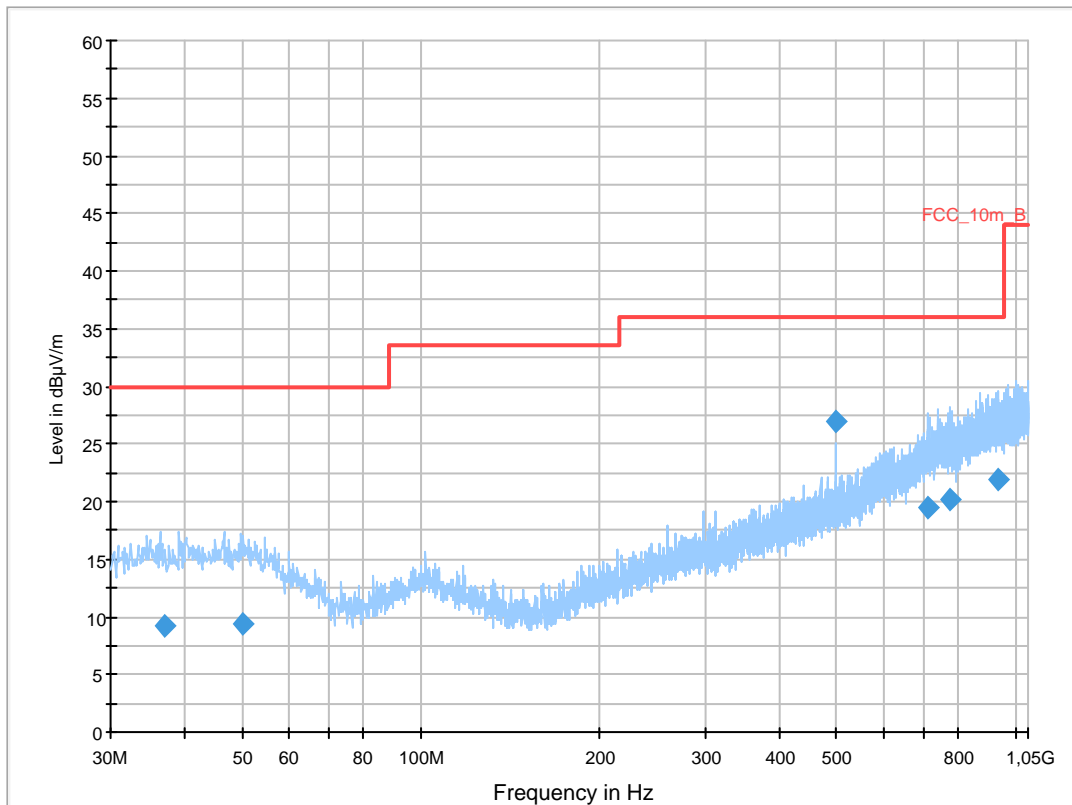
Common Information

EUT: WLANBV2-A + antenna 453564175981
 Serial Number: eval
 Test Description: FCC part 15 C class B @ 10 m
 Operating Conditions: WLAN a mode tx @ 5600MHz
 Operator Name: Hennemann
 Comment: DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

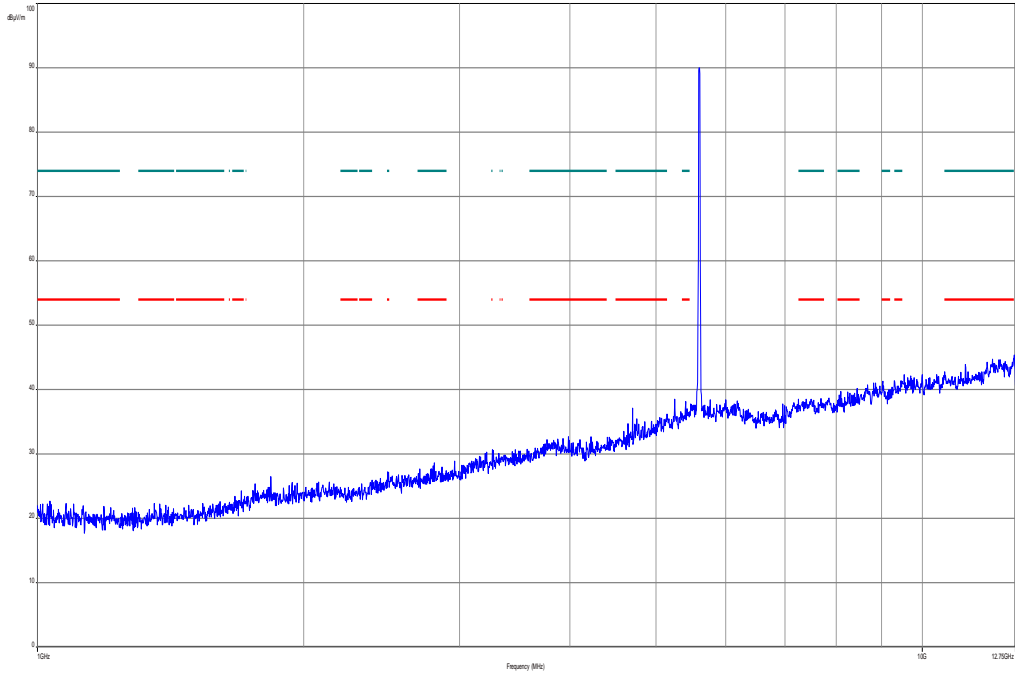
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



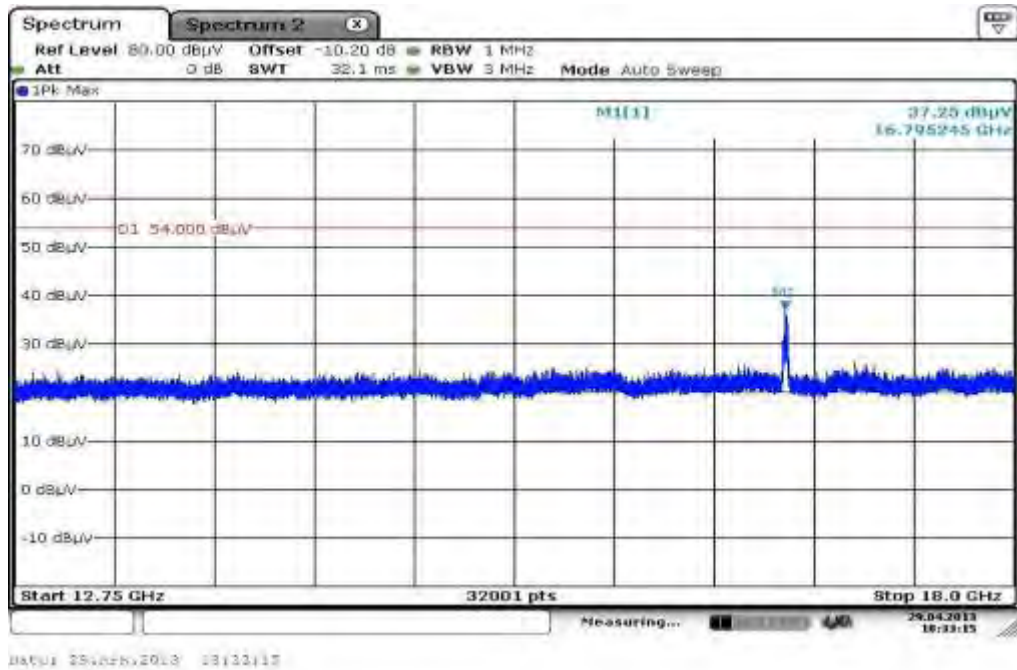
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
36.927150	9.2	1000.0	120.000	112.0	H	171.0	13.2	20.8	30.0	
50.038050	9.5	1000.0	120.000	104.0	V	100.0	13.4	20.5	30.0	
500.007000	27.0	1000.0	120.000	153.0	H	175.0	18.7	9.0	36.0	
710.613750	19.4	1000.0	120.000	120.0	V	190.0	22.8	16.6	36.0	
774.926550	20.2	1000.0	120.000	122.0	V	175.0	23.7	15.8	36.0	
936.860850	21.8	1000.0	120.000	112.0	V	272.0	25.3	14.2	36.0	

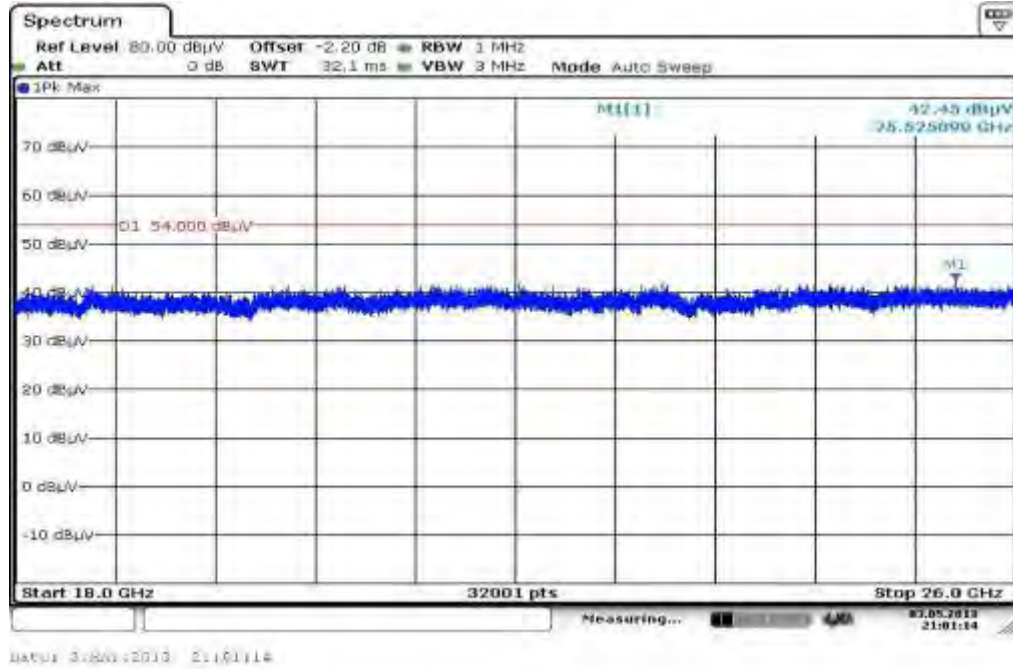
Plot 27: 1 GHz to 12.75 GHz, 5600 MHz, vertical & horizontal polarization



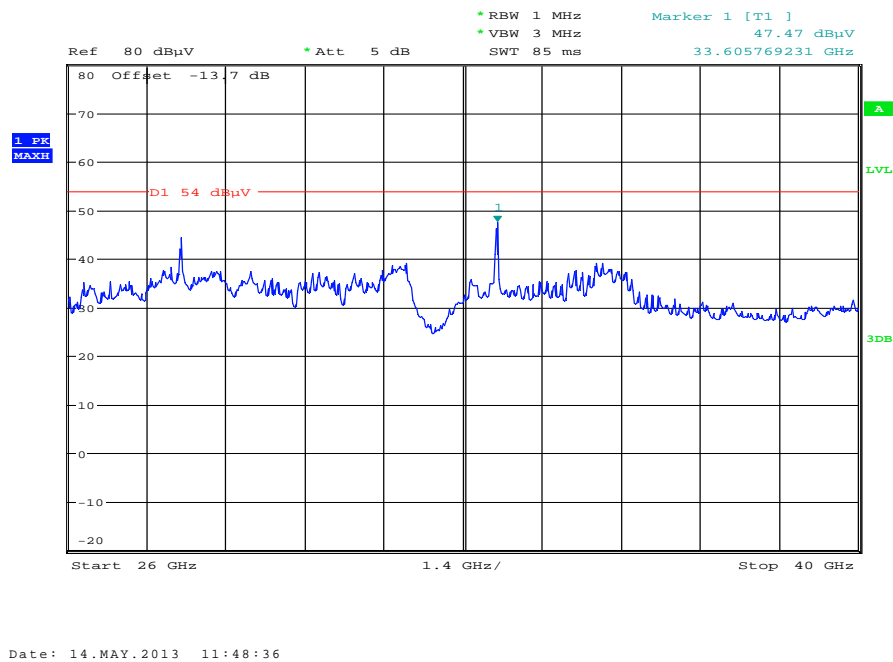
Plot 28: 12 GHz to 18 GHz, 5600 MHz, vertical & horizontal polarization



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

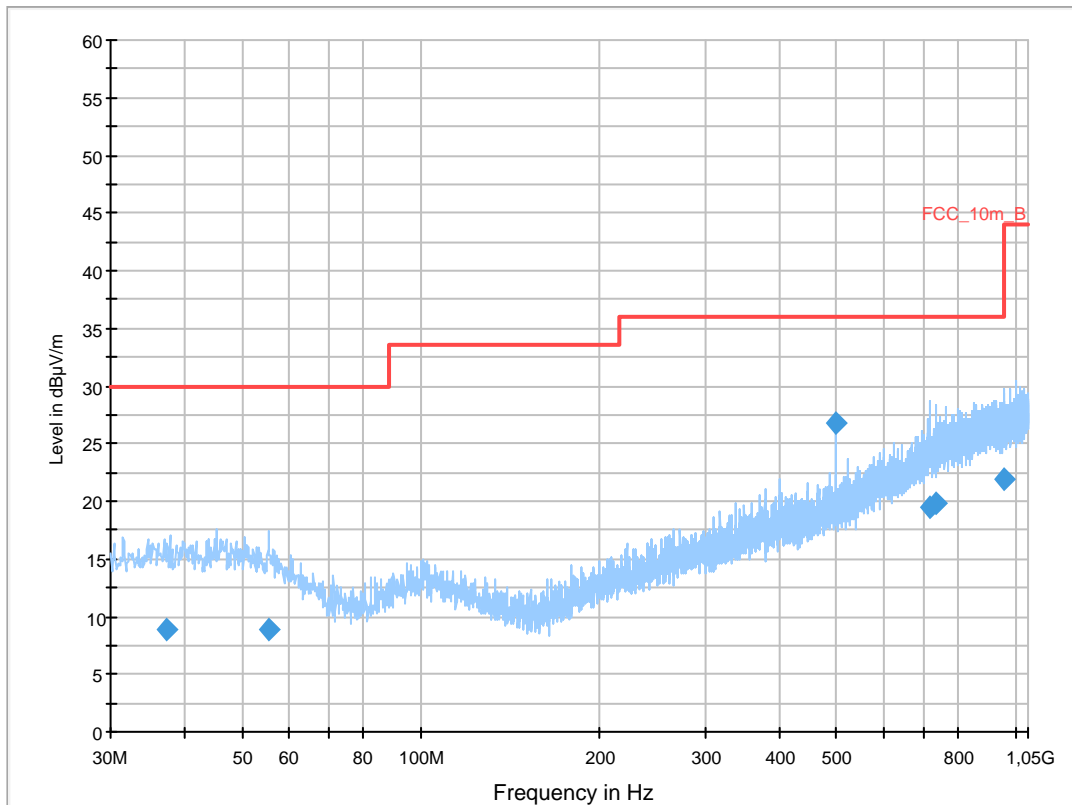
Common Information

EUT: WLANBV2-A + antenna 453564175981
 Serial Number: eval
 Test Description: FCC part 15 C class B @ 10 m
 Operating Conditions: WLAN a mode tx @ 5700MHz
 Operator Name: Hennemann
 Comment: DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

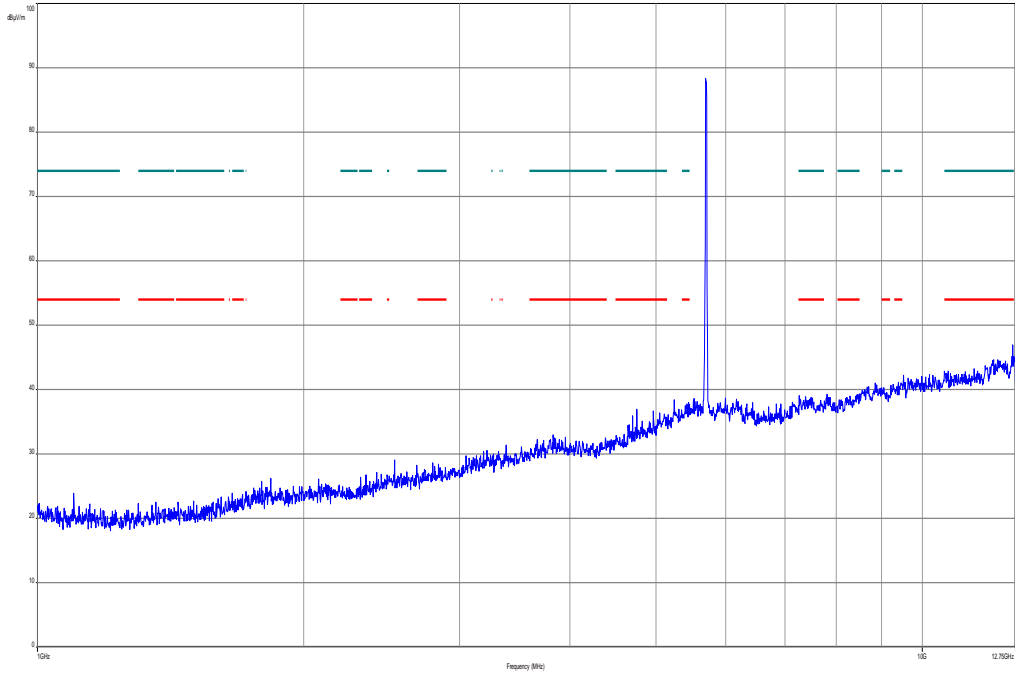
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



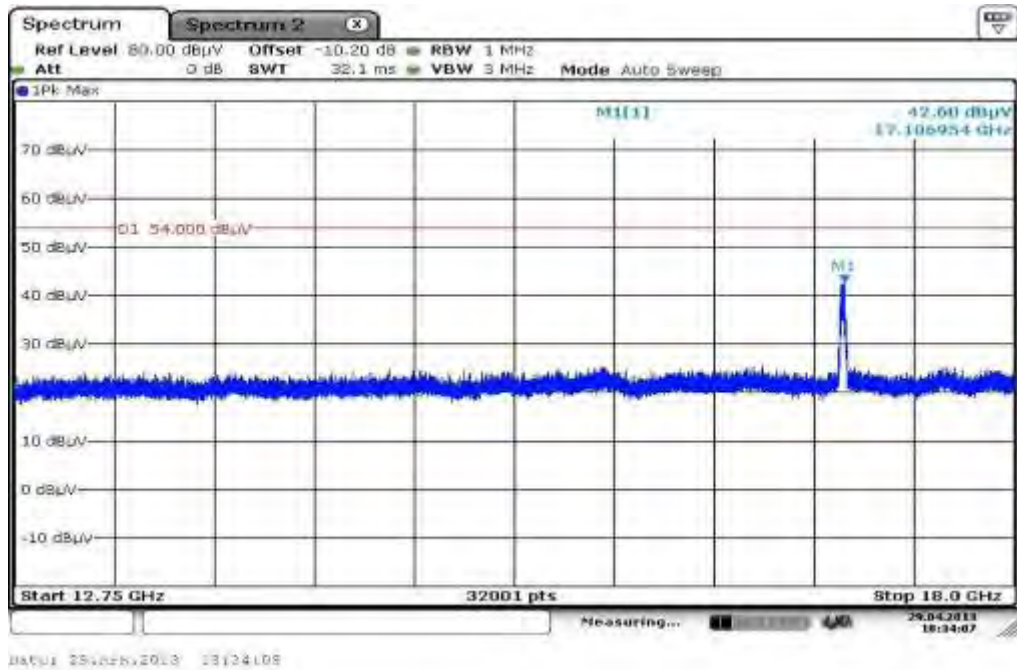
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth h (kHz)	Height (cm)	Polarization	Azimuth h (deg)	Corr. (dB)	Margi n (dB)	Limit (dBµV/m)	Comment
37.423200	8.8	1000.0	120.000	123.0	V	85.0	13.2	21.2	30.0	
55.308900	8.9	1000.0	120.000	170.0	V	190.0	12.8	21.1	30.0	
499.980000	26.8	1000.0	120.000	170.0	H	170.0	18.7	9.2	36.0	
716.830050	19.5	1000.0	120.000	152.0	V	100.0	22.9	16.5	36.0	
733.493400	19.9	1000.0	120.000	152.0	H	182.0	23.3	16.1	36.0	
958.938450	21.9	1000.0	120.000	145.0	H	10.0	25.4	14.1	36.0	

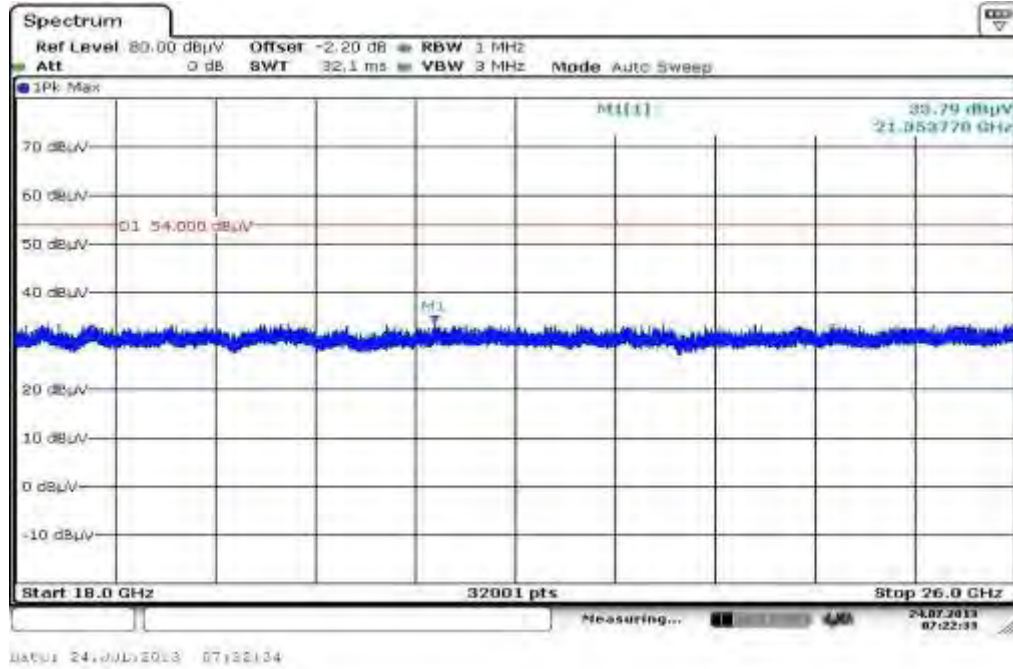
Plot 32: 1 GHz to 12.75 GHz, 5700 MHz, vertical & horizontal polarization



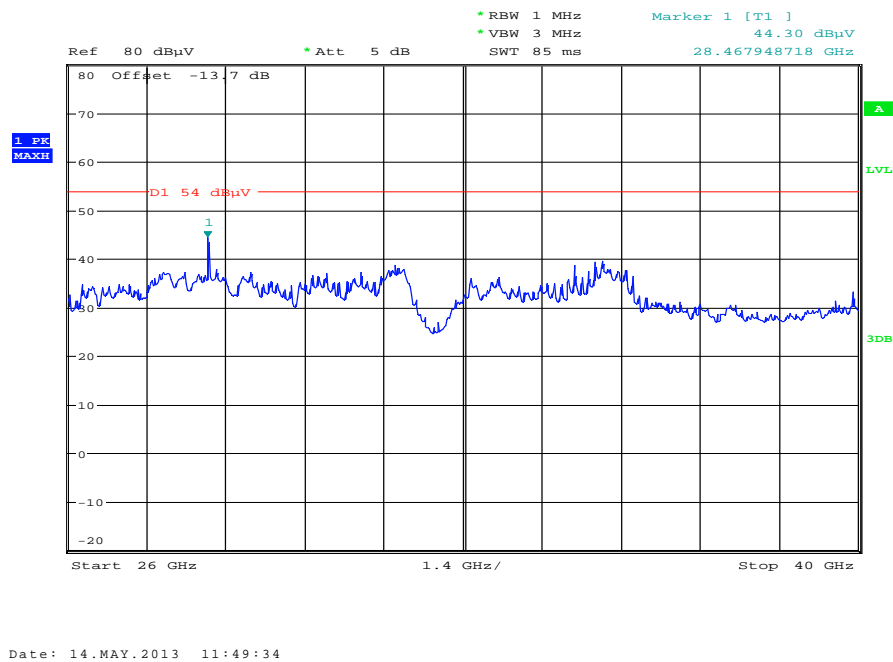
Plot 33: 12 GHz to 18 GHz, 5700 MHz, vertical & horizontal polarization



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 HT20

Plot 1: 30 MHz to 1 GHz, 5180 MHz, vertical & horizontal polarization

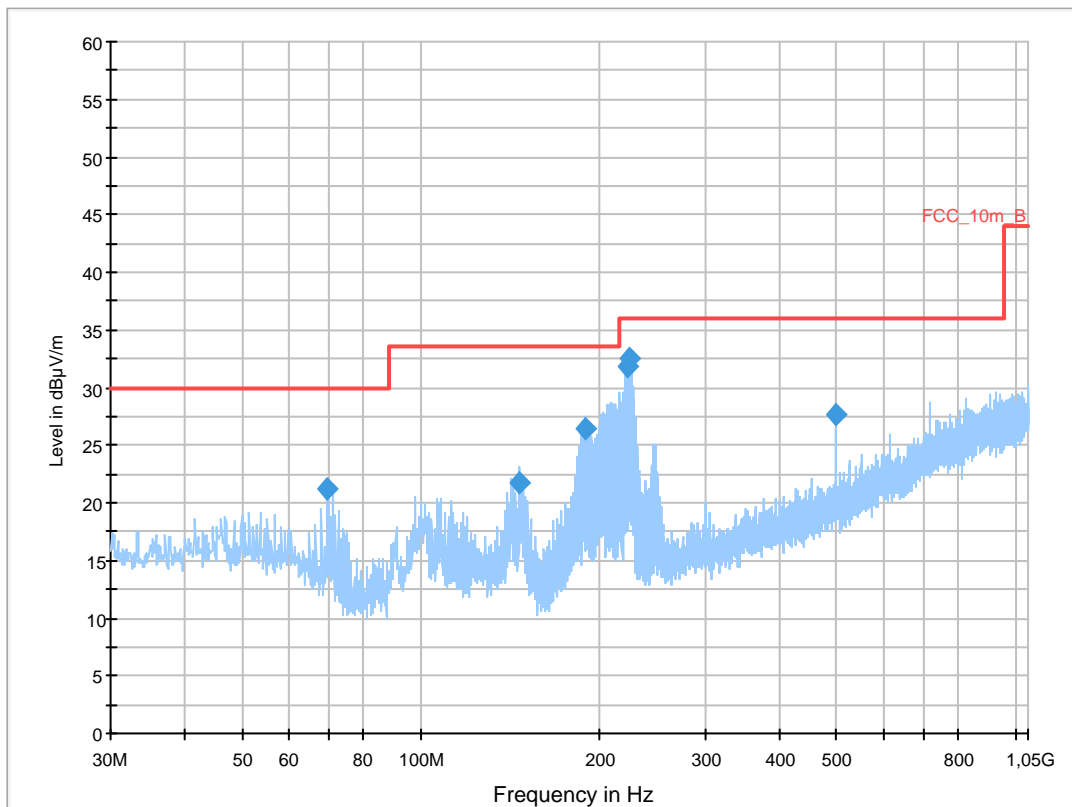
Common Information

EUT: WLANBV2-A + antenna 453564175981
 Serial Number: eval
 Test Description: FCC part 15 C class B @ 10 m
 Operating Conditions: wlan n-mode ch36
 Operator Name: Wolsdorfer
 Comment: DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

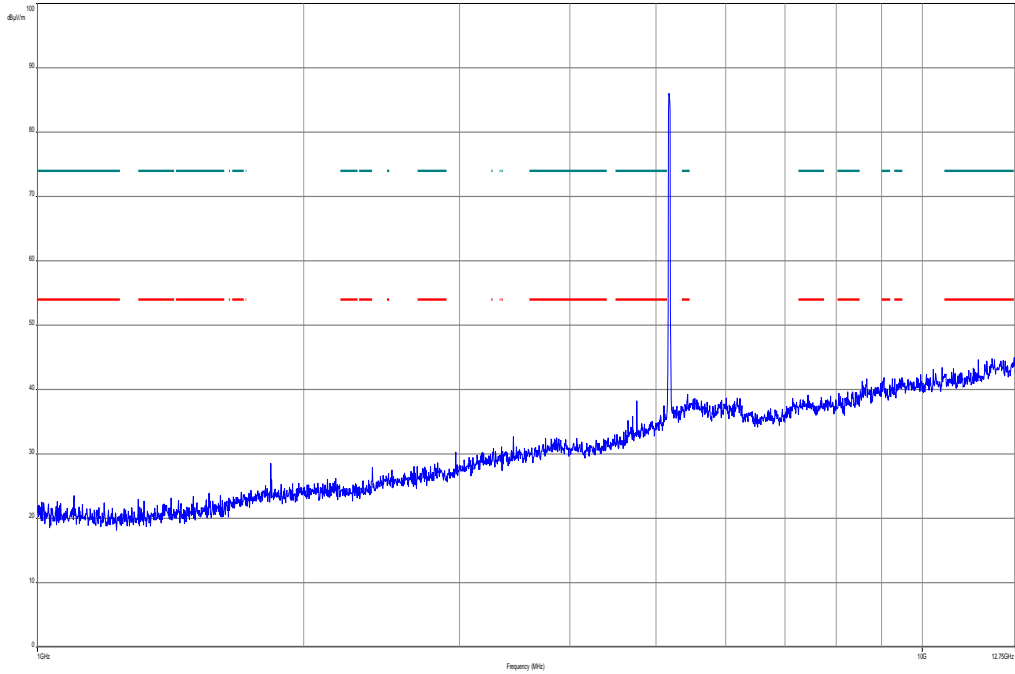
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



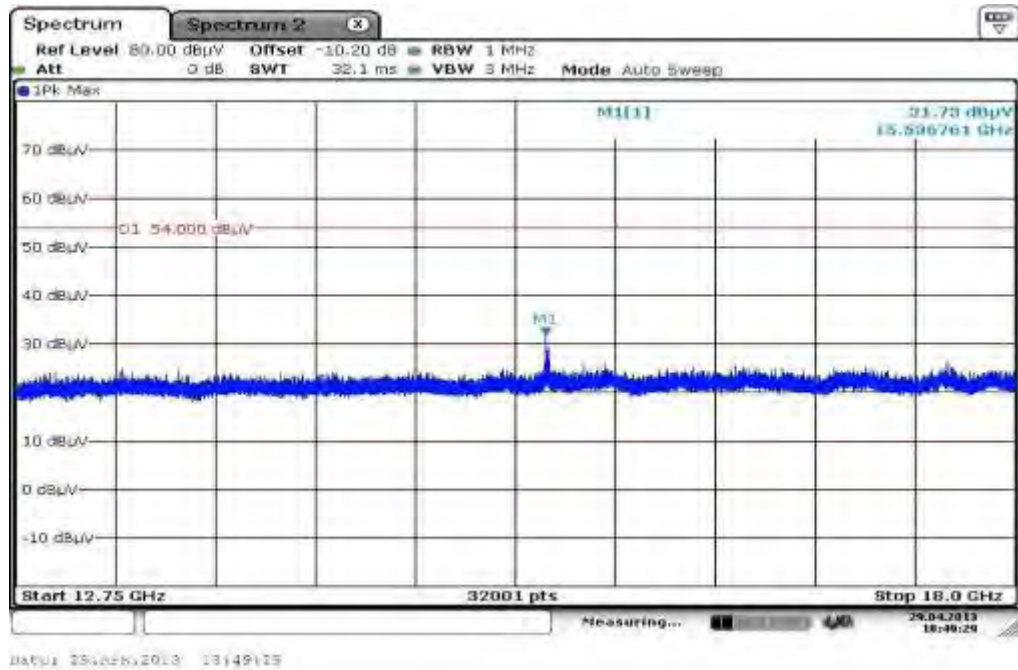
Final Result 1

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

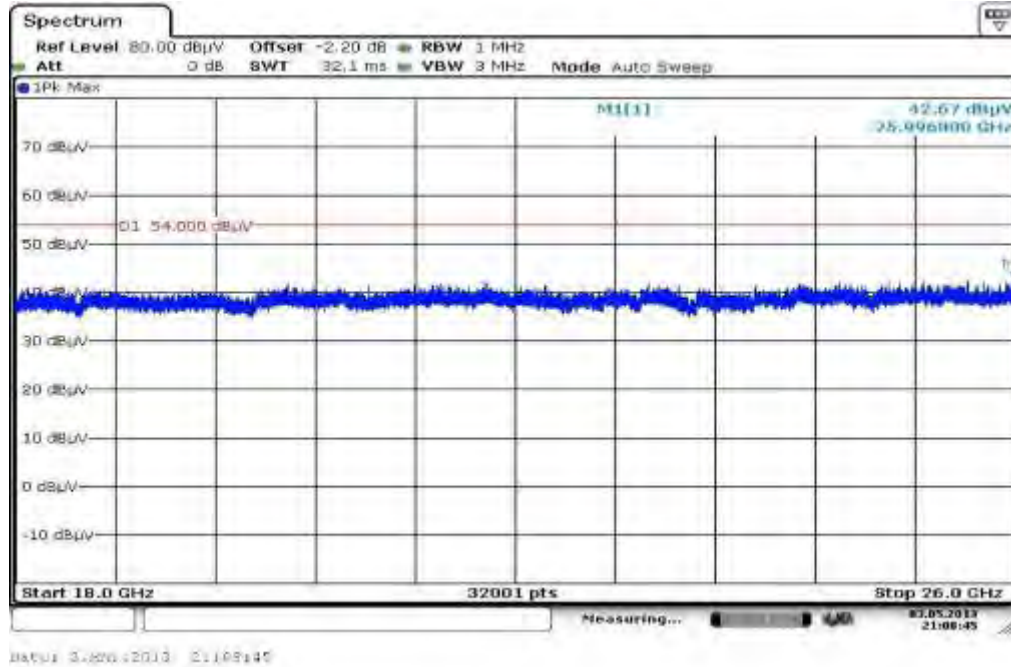
Plot 2: 1 GHz to 12.75 GHz, 5180 MHz, vertical & horizontal polarization



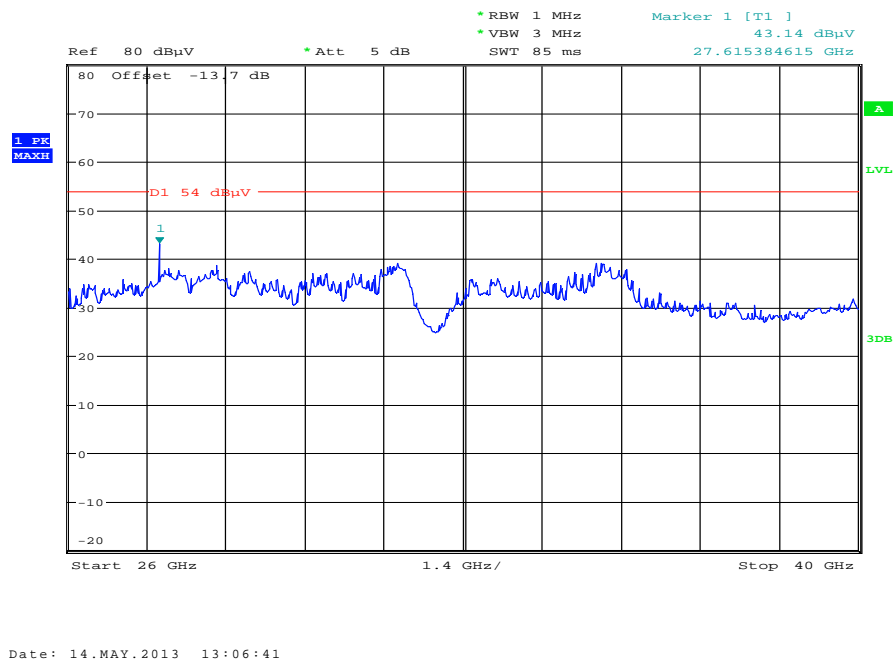
Plot 3: 12 GHz to 18 GHz, 5180 MHz, vertical & horizontal polarization



Plot 4: 18 GHz to 26 GHz, 5180 MHz, vertical & horizontal polarization



Plot 5: 26 GHz to 40 GHz, 5180 MHz, vertical & horizontal polarization



Plot 6: 30 MHz to 1 GHz, 5240 MHz, vertical & horizontal polarization

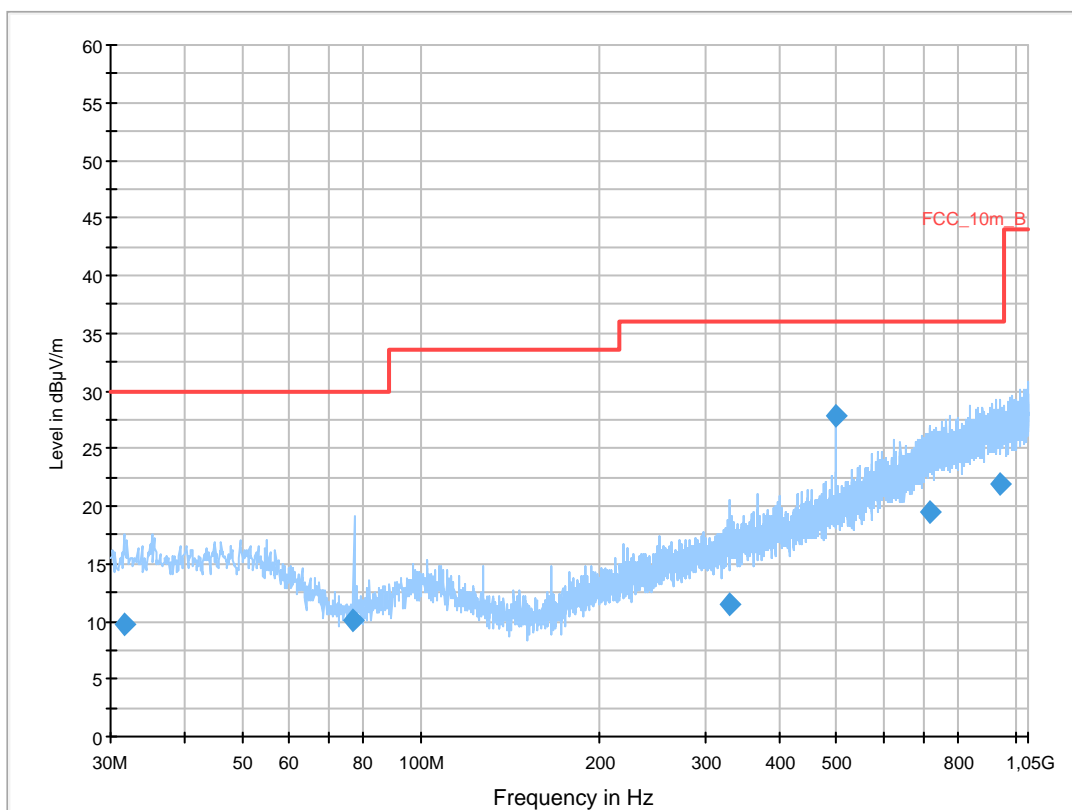
Common Information

EUT: WLANBV2-A + antenna 453564175981
 Serial Number:
 Test Description: FCC part 15 C class B @ 10 m
 Operating Conditions: wlan n-mode HT20 tx @ 5240MHz
 Operator Name: Wolsdorfer
 Comment: DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

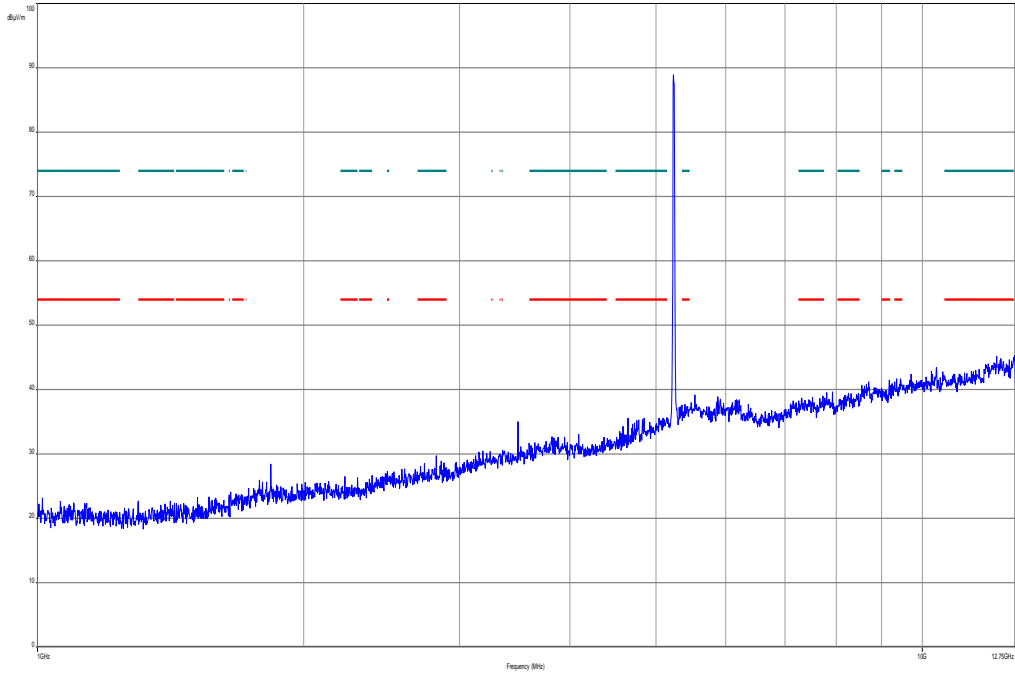
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



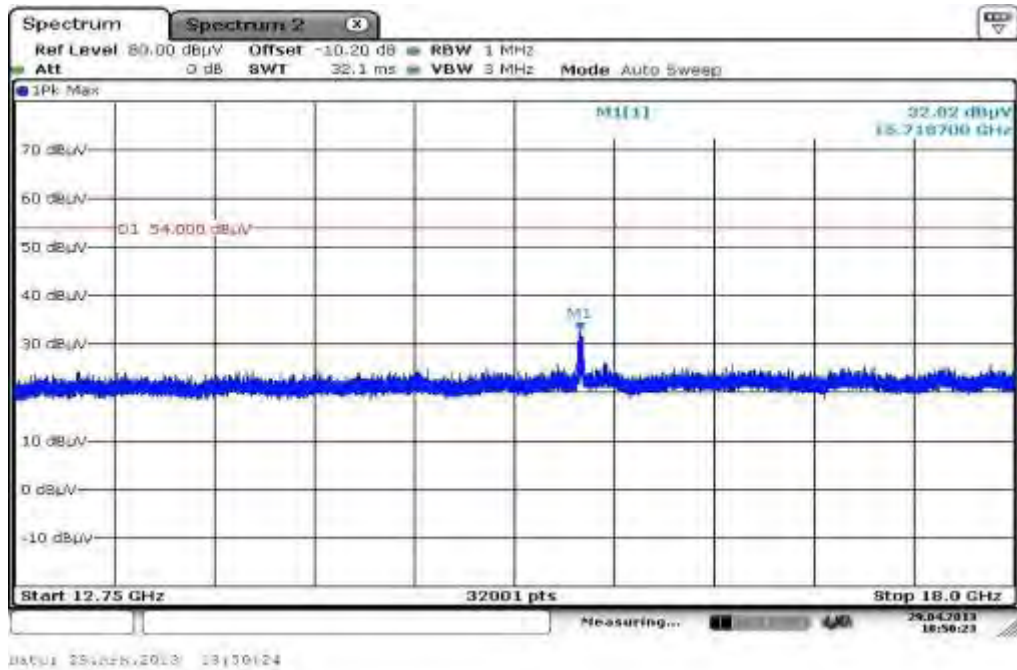
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
31.743750	9.7	1000.0	120.000	142.0	V	88.0	12.7	20.3	30.0	
76.990350	10.0	1000.0	120.000	170.0	V	10.0	9.1	20.0	30.0	
331.526100	11.6	1000.0	120.000	170.0	H	280.0	15.5	24.4	36.0	
500.026950	27.9	1000.0	120.000	98.0	V	10.0	18.7	8.1	36.0	
715.493100	19.6	1000.0	120.000	154.0	V	273.0	22.9	16.4	36.0	
944.032350	21.9	1000.0	120.000	170.0	V	-10.0	25.3	14.1	36.0	

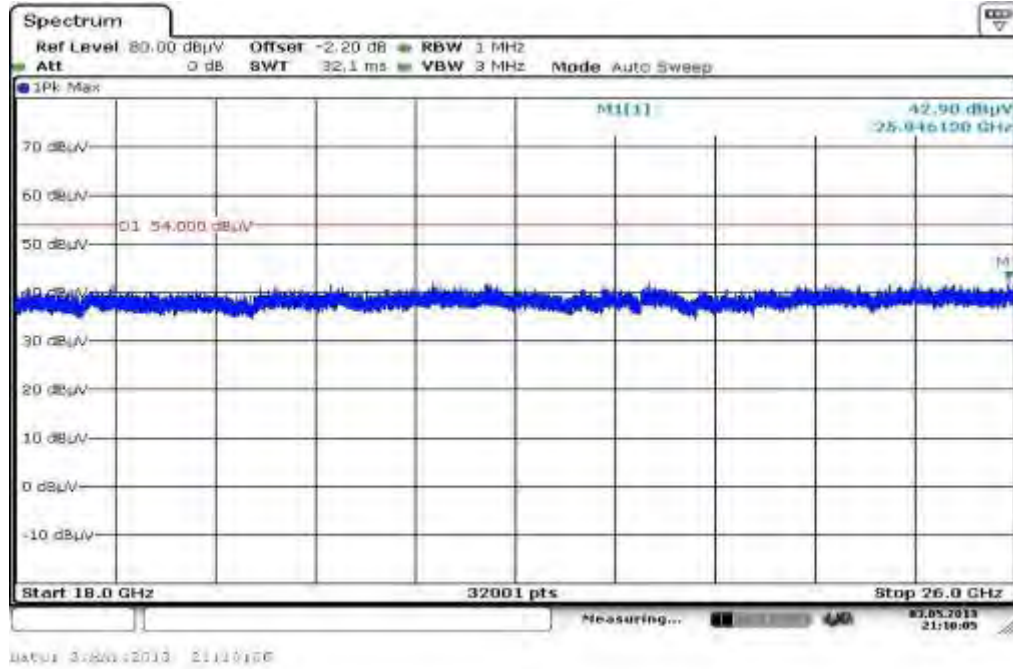
Plot 7: 1 GHz to 12.75 GHz, 5240 MHz, vertical & horizontal polarization



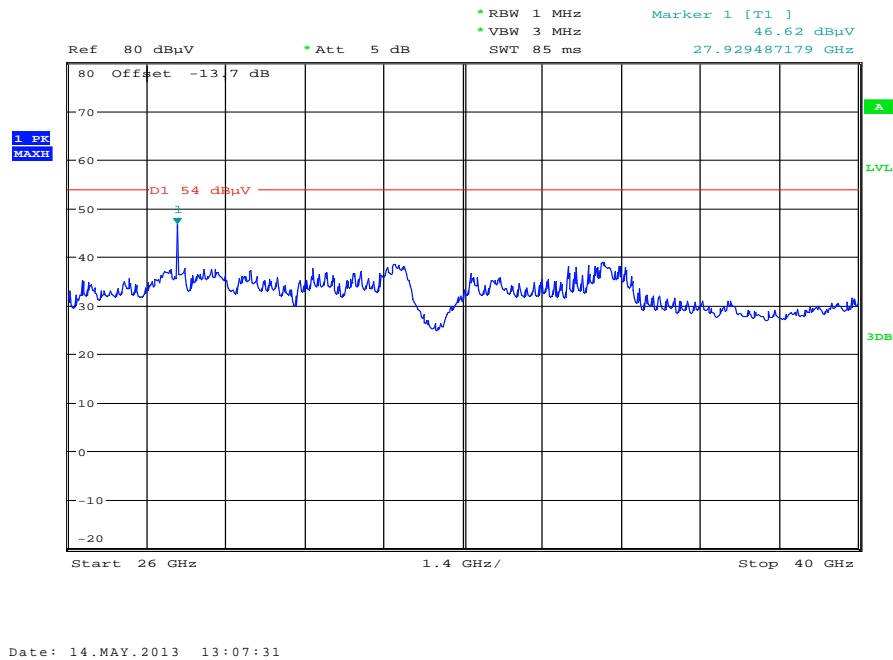
Plot 8: 12 GHz to 18 GHz, 5240 MHz, vertical & horizontal polarization



Plot 9: 18 GHz to 26 GHz, 5240 MHz, vertical & horizontal polarization



Plot 10: 26 GHz to 40 GHz, 5240 MHz, vertical & horizontal polarization



Plot 11: 30 MHz to 1 GHz, 5260 MHz, vertical & horizontal polarization

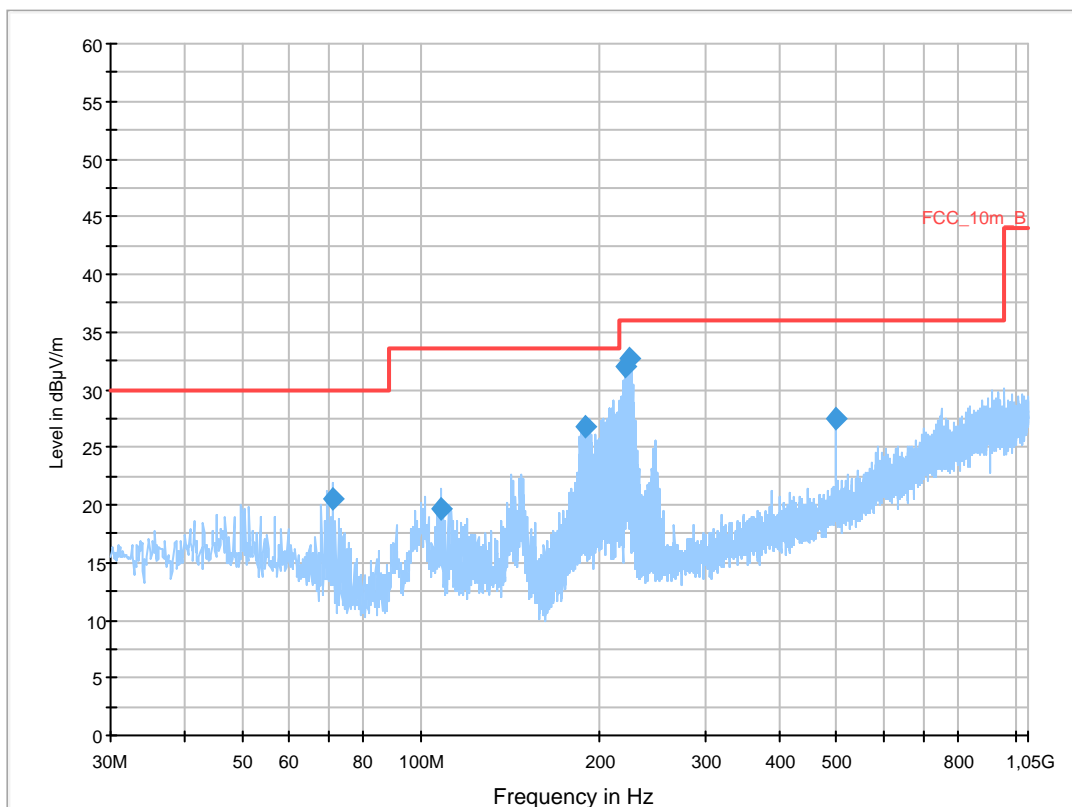
Common Information

EUT: WLANBV2-A + antenna 453564175981
 Serial Number: eval
 Test Description: FCC part 15 C class B @ 10 m
 Operating Conditions: wlan n-mode ch52
 Operator Name: Wolsdorfer
 Comment: DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

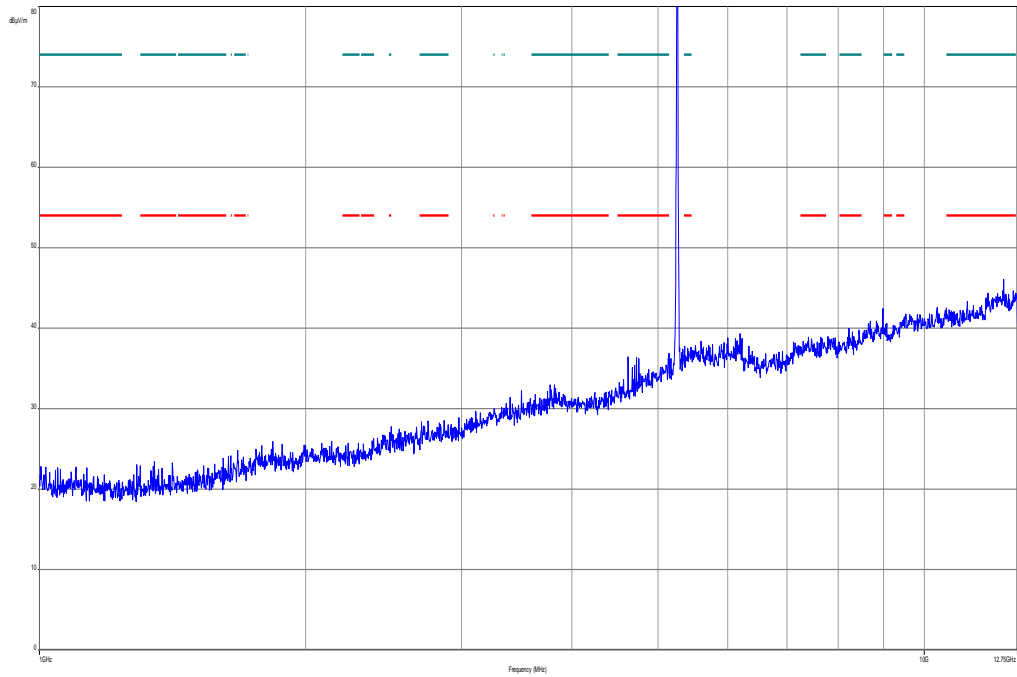
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



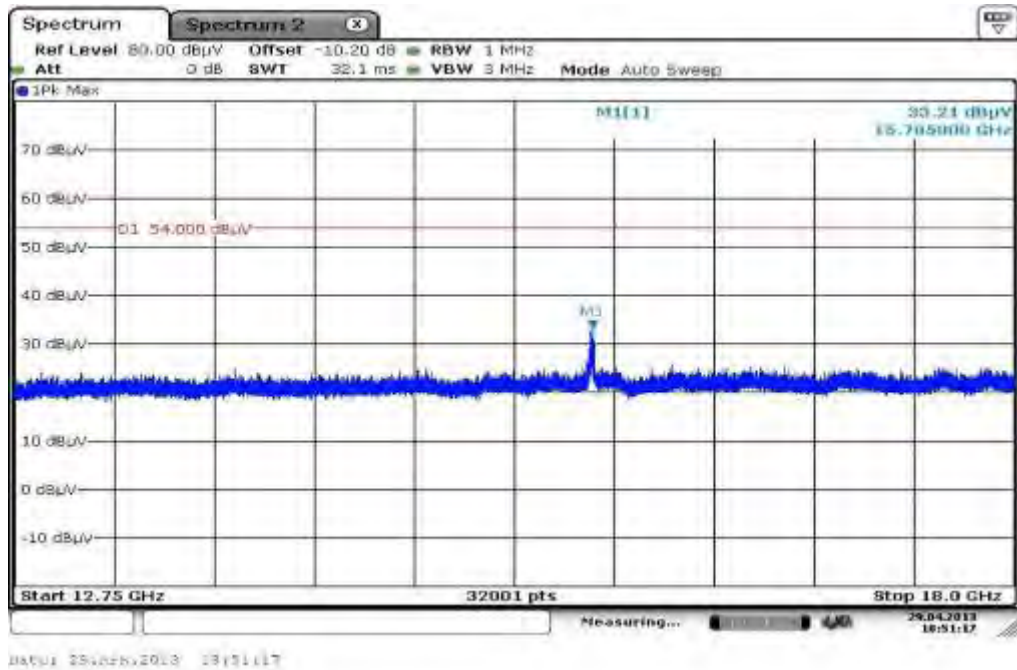
Final Result 1

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

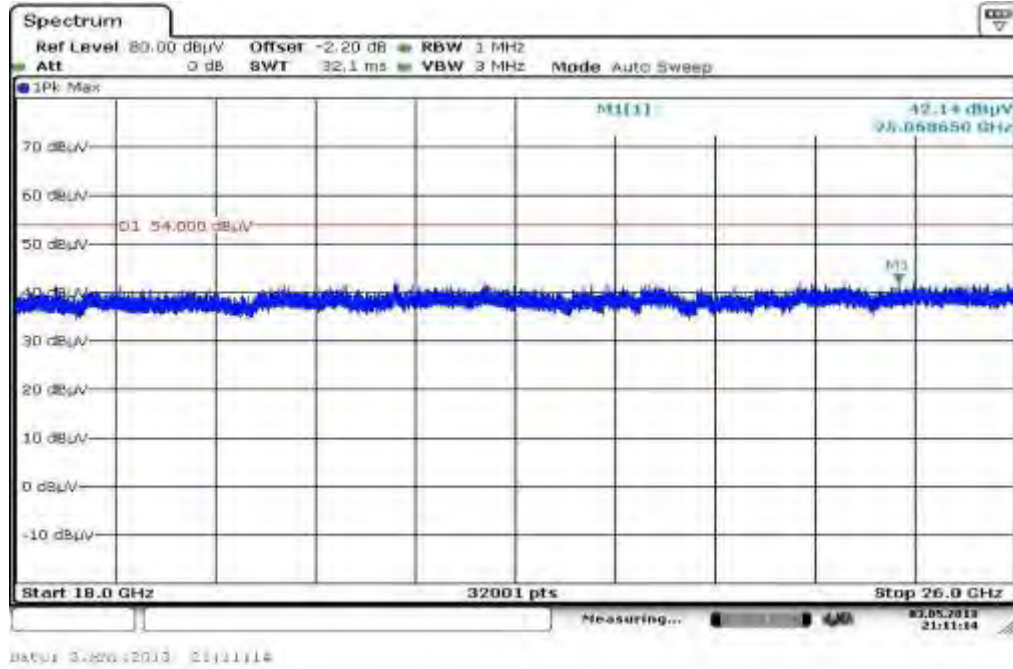
Plot 12: 1 GHz to 12.75 GHz, 5260 MHz, vertical & horizontal polarization



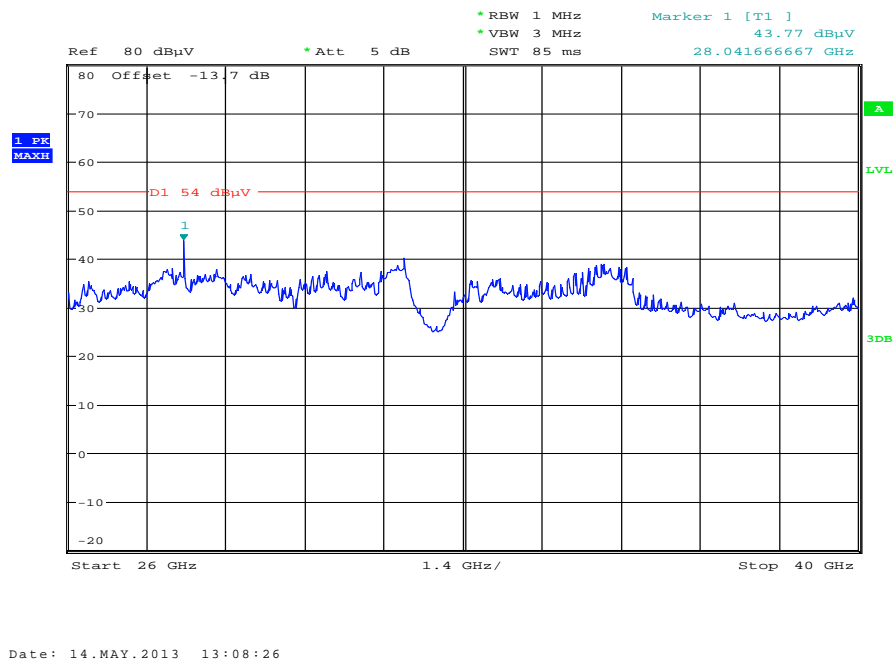
Plot 13: 12 GHz to 18 GHz, 5260 MHz, vertical & horizontal polarization



Plot 14: 18 GHz to 26 GHz, 5260 MHz, vertical & horizontal polarization



Plot 15: 26 GHz to 40 GHz, 5260 MHz, vertical & horizontal polarization



Plot 16: 30 MHz to 1 GHz, 5320 MHz, vertical & horizontal polarization

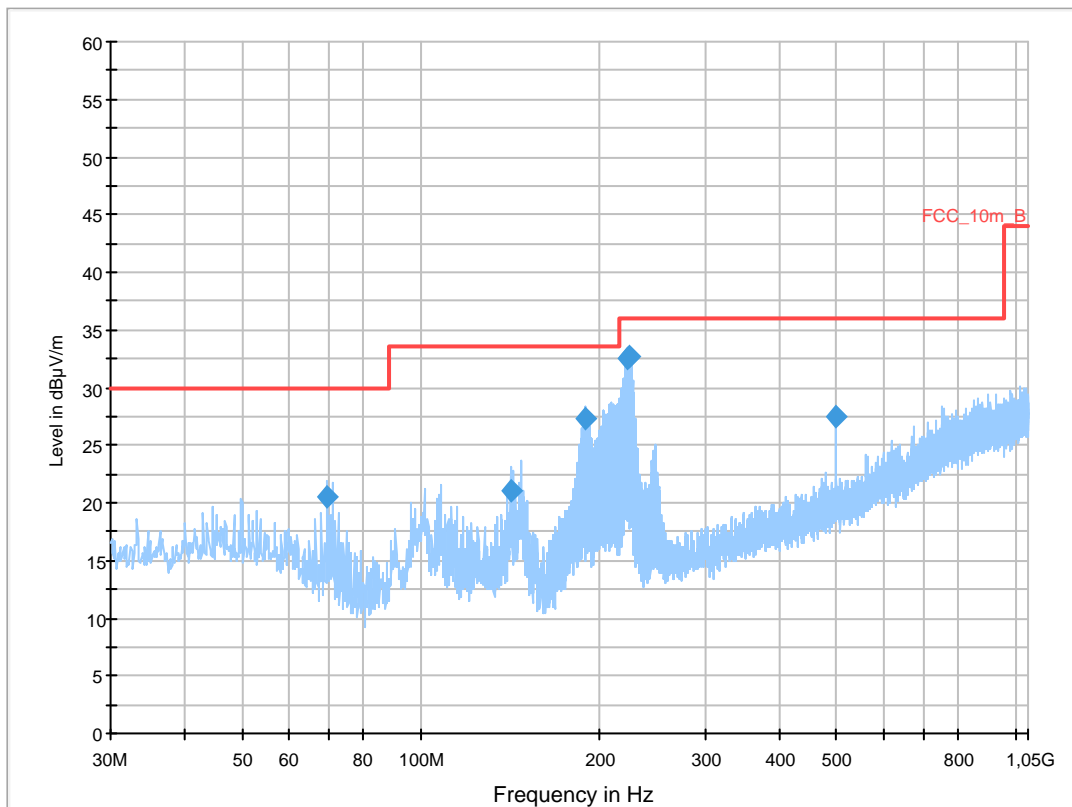
Common Information

EUT: WLANBV2-A + antenna 453564175981
 Serial Number: eval
 Test Description: FCC part 15 C class B @ 10 m
 Operating Conditions: wlan n-mode HT20 ch64
 Operator Name: Wolsdorfer
 Comment: DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

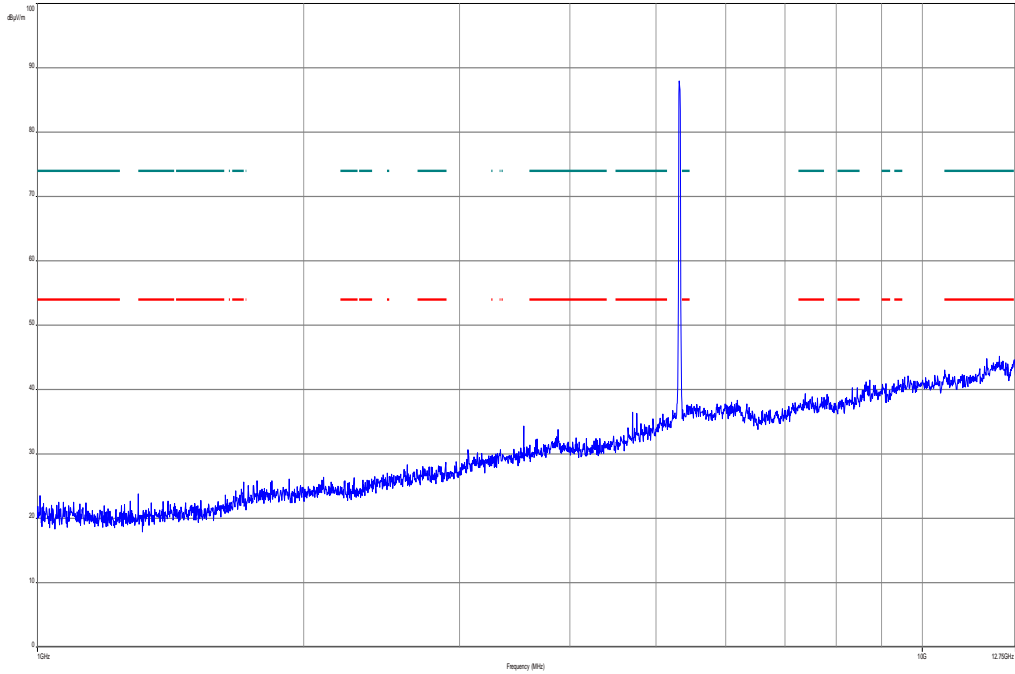
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



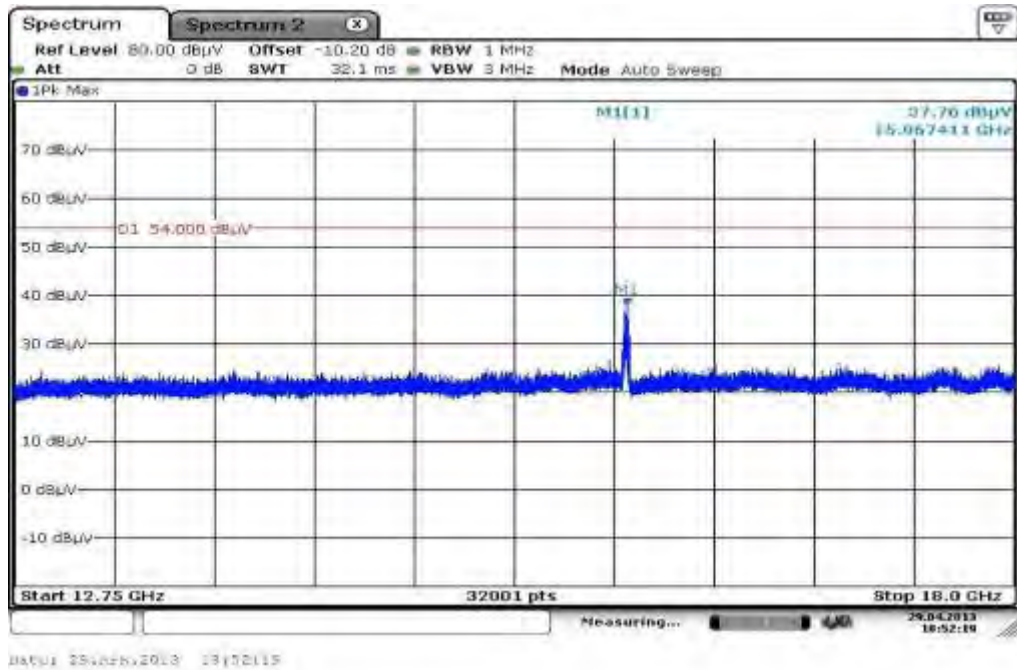
Final Result 1

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

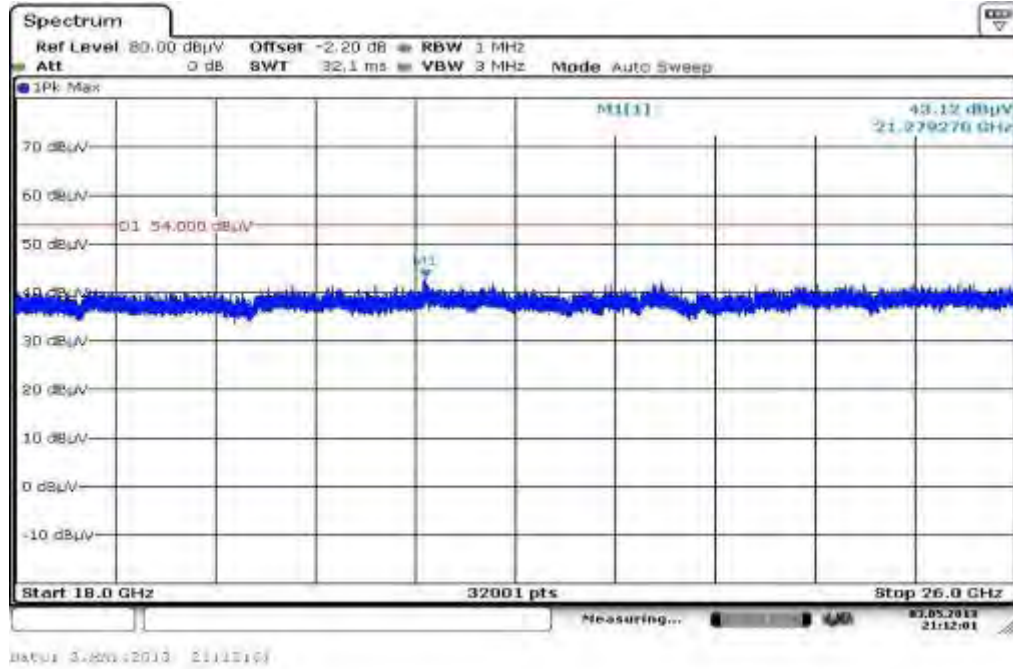
Plot 17: 1 GHz to 12.75 GHz, 5320 MHz, vertical & horizontal polarization



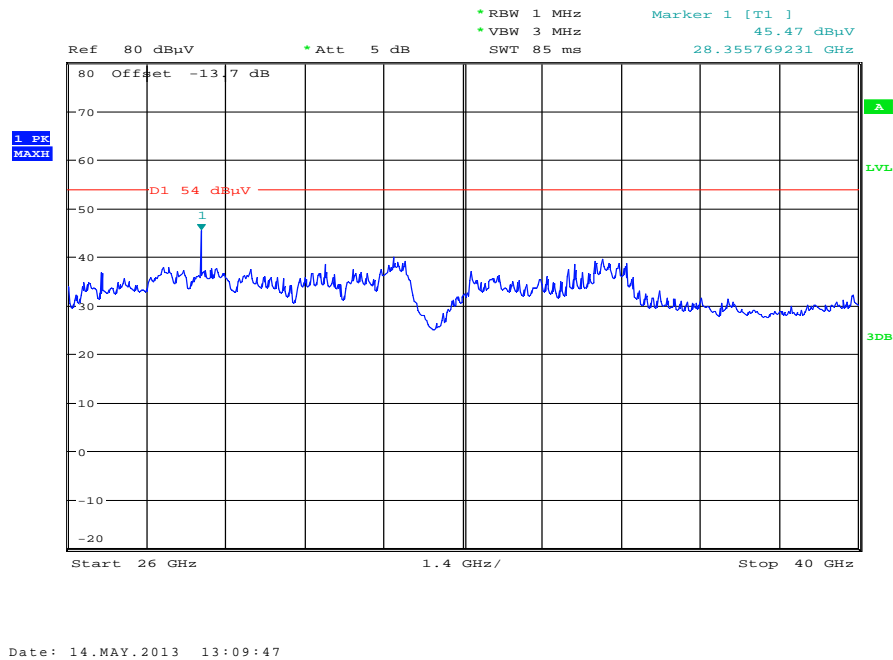
Plot 18: 12 GHz to 18 GHz, 5320 MHz, vertical & horizontal polarization



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

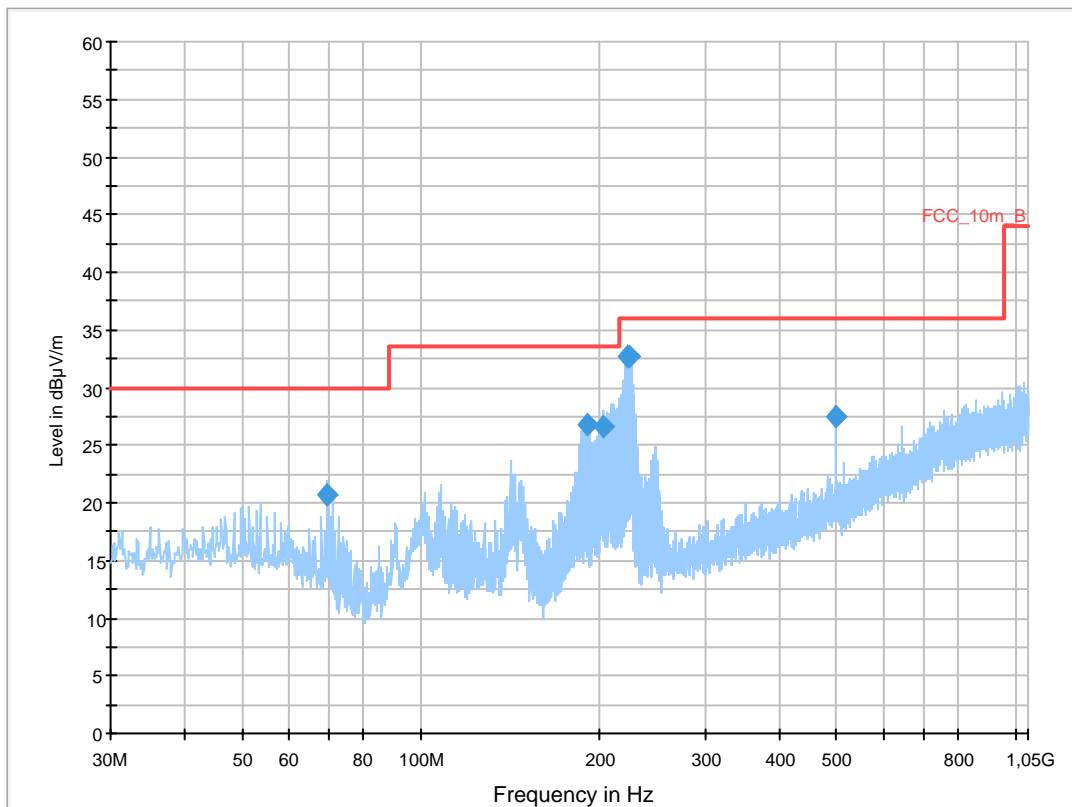
Common Information

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

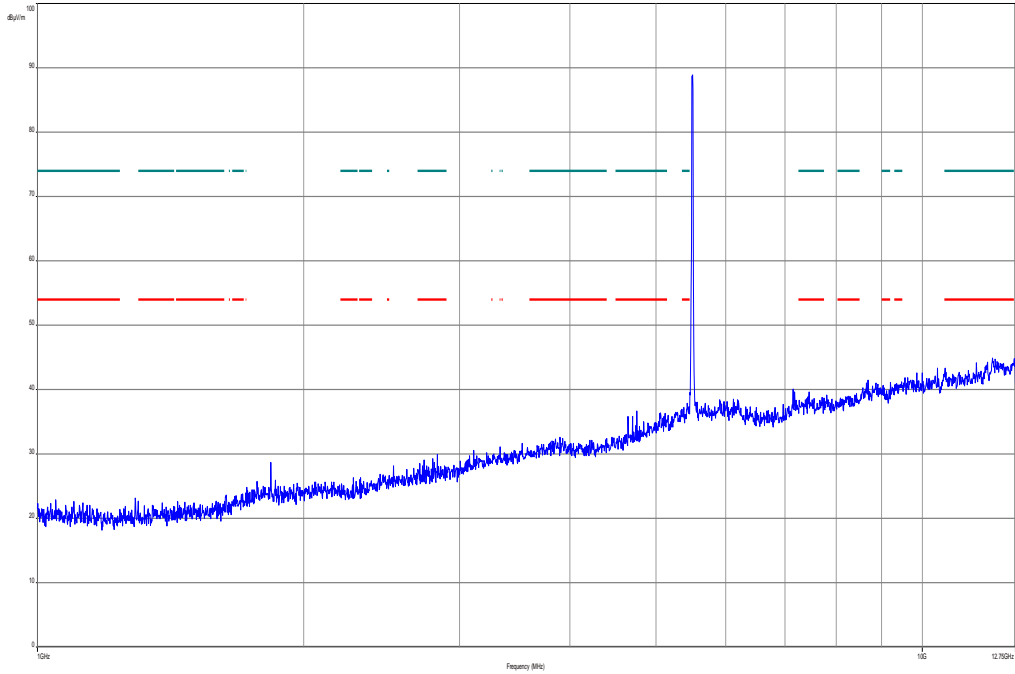
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



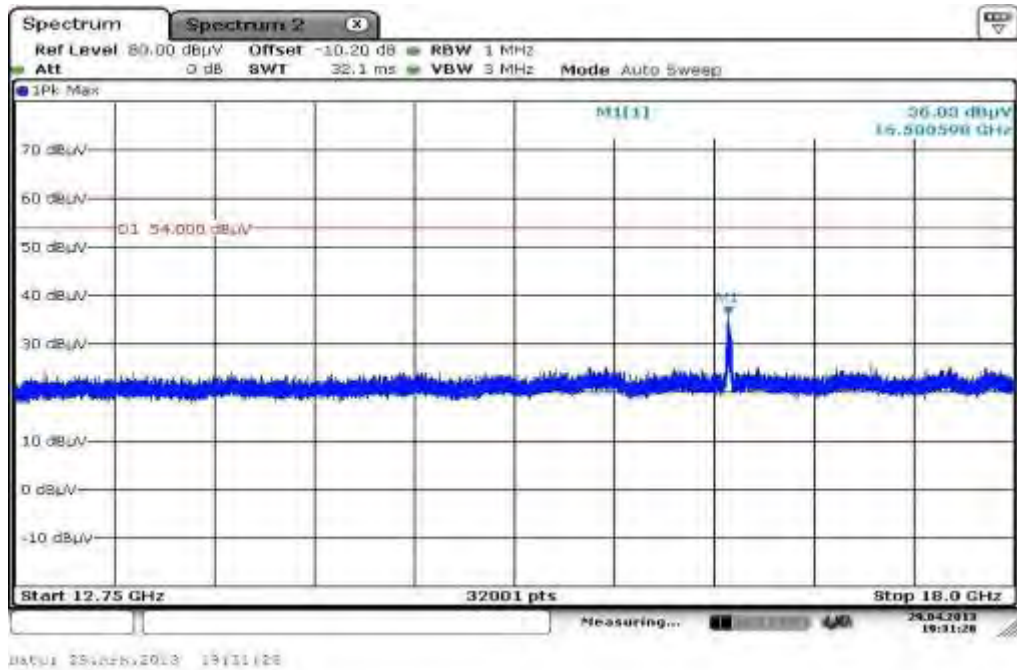
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
69.516600	20.8	1000.0	120.000	170.0	V	180.0	9.4	9.2	30.0	
190.380750	26.8	1000.0	120.000	98.0	V	10.0	11.1	6.7	33.5	
202.451100	26.5	1000.0	120.000	155.0	V	272.0	11.8	7.0	33.5	
222.870300	32.7	1000.0	120.000	160.0	V	-10.0	12.5	3.3	36.0	
223.593600	32.6	1000.0	120.000	170.0	V	-5.0	12.5	3.4	36.0	
499.999650	27.4	1000.0	120.000	170.0	H	2.0	18.7	8.6	36.0	

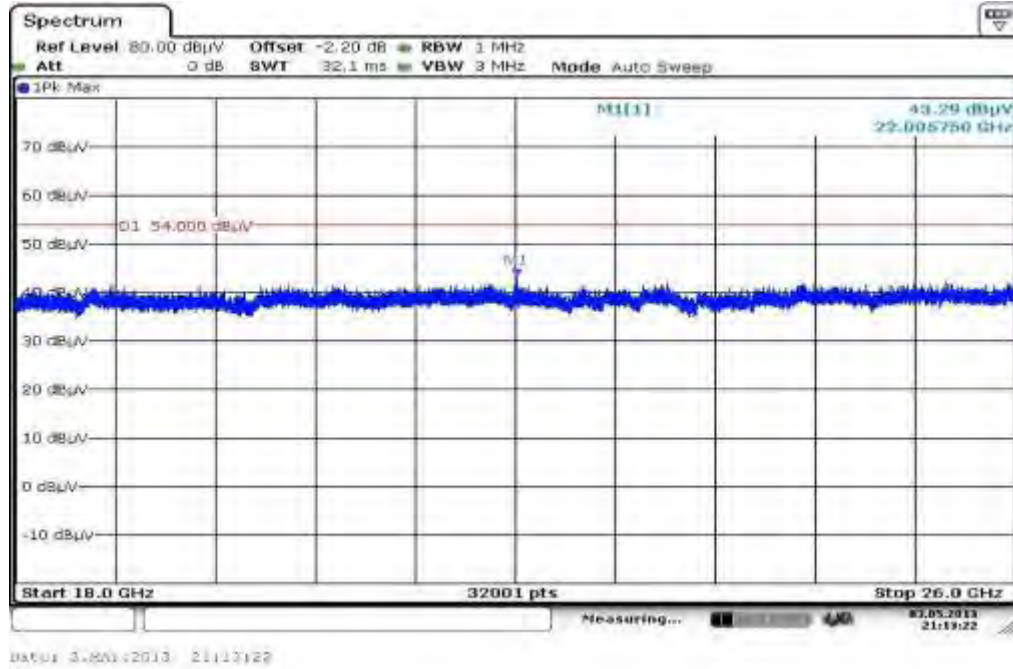
Plot 22: 1 GHz to 12.75 GHz, 5500 MHz, vertical & horizontal polarization



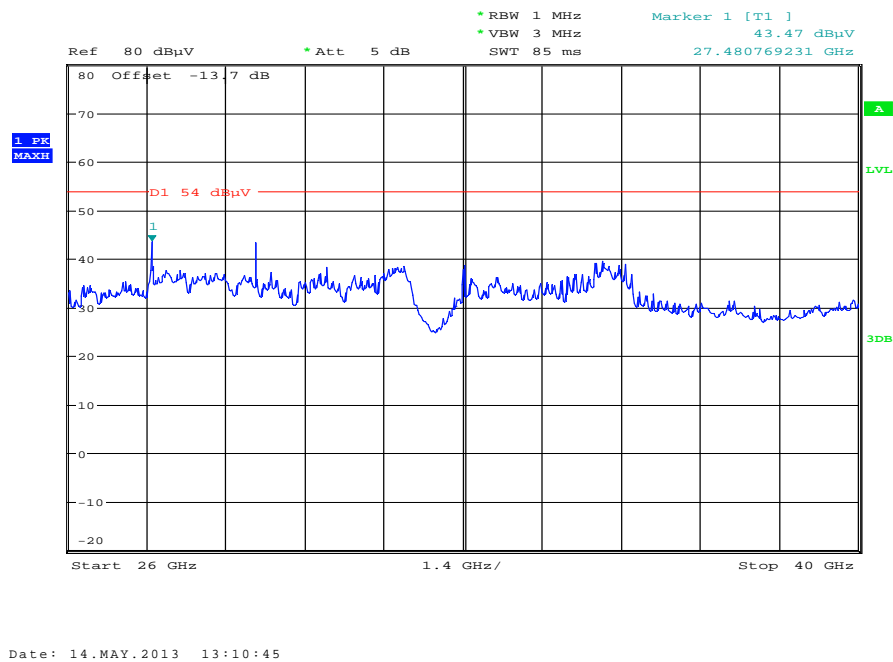
Plot 23: 12 GHz to 18 GHz, 5500 MHz, vertical & horizontal polarization



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

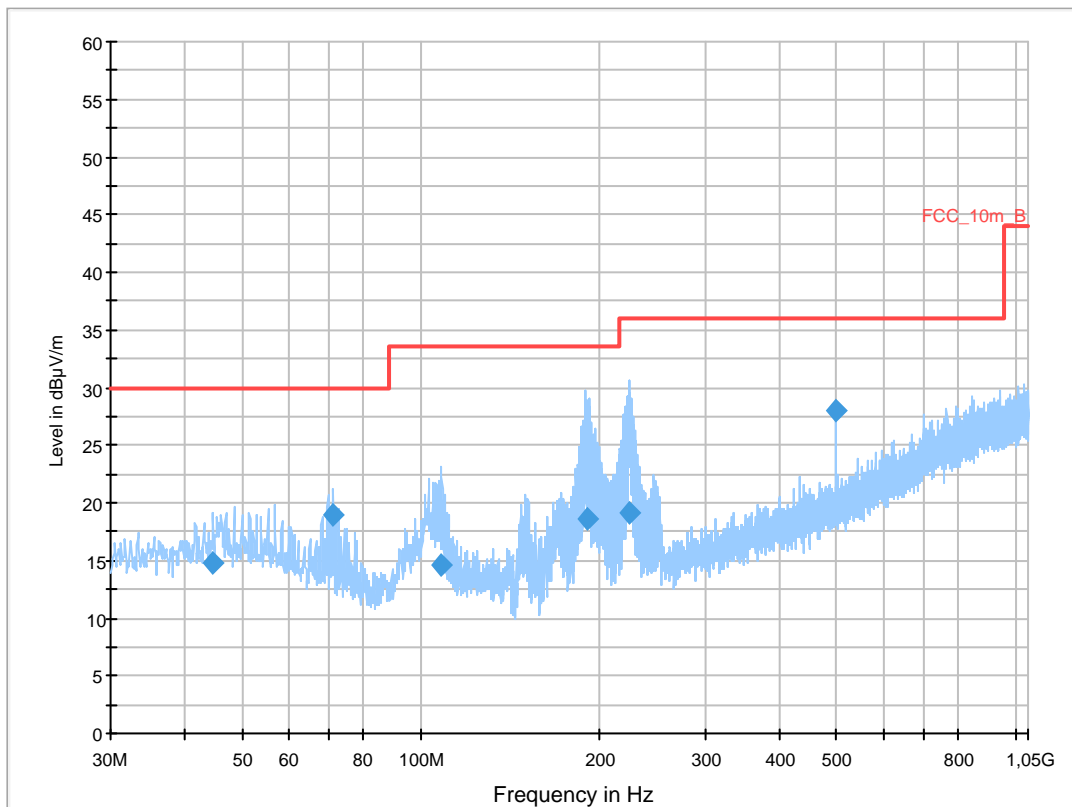
Common Information

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

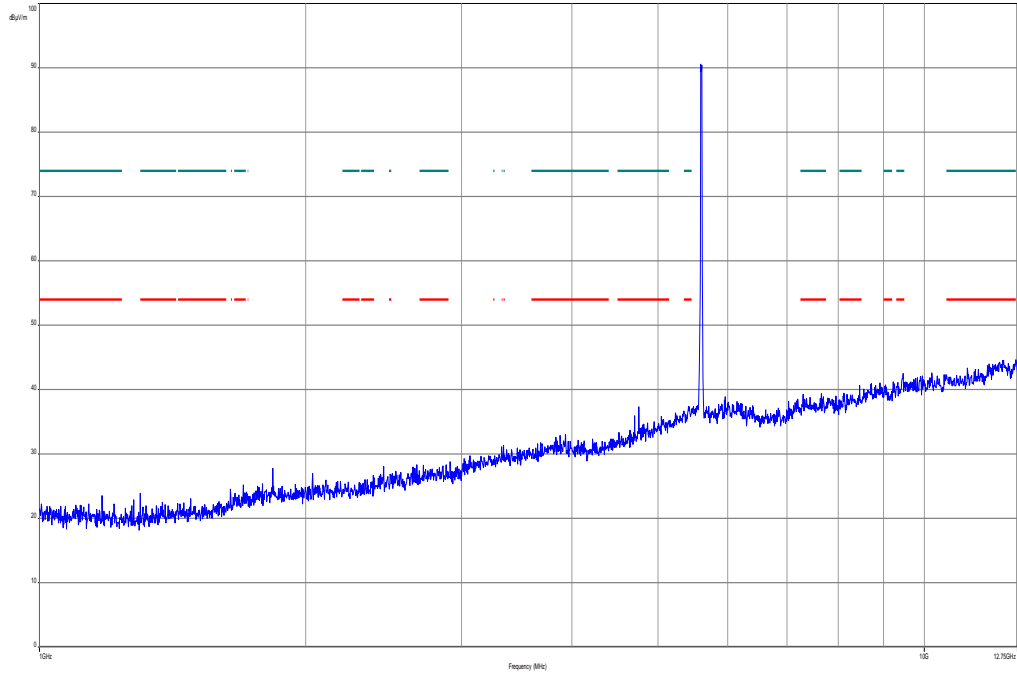
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



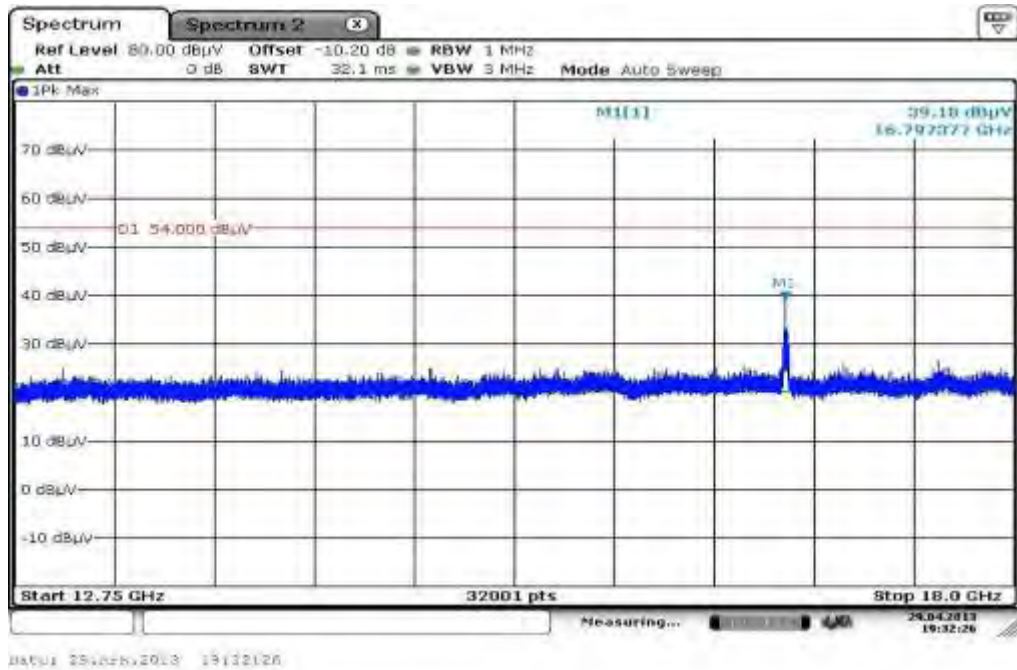
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
44.577450	14.9	1000.0	120.000	104.0	V	182.0	13.3	15.1	30.0	
71.027250	19.0	1000.0	120.000	170.0	V	100.0	9.3	11.0	30.0	
108.068850	14.6	1000.0	120.000	170.0	V	260.0	11.2	18.9	33.5	
189.702000	18.6	1000.0	120.000	98.0	V	-10.0	11.1	14.9	33.5	
224.400000	19.1	1000.0	120.000	143.0	V	280.0	12.5	16.9	36.0	
499.986450	28.0	1000.0	120.000	170.0	H	2.0	18.7	8.0	36.0	

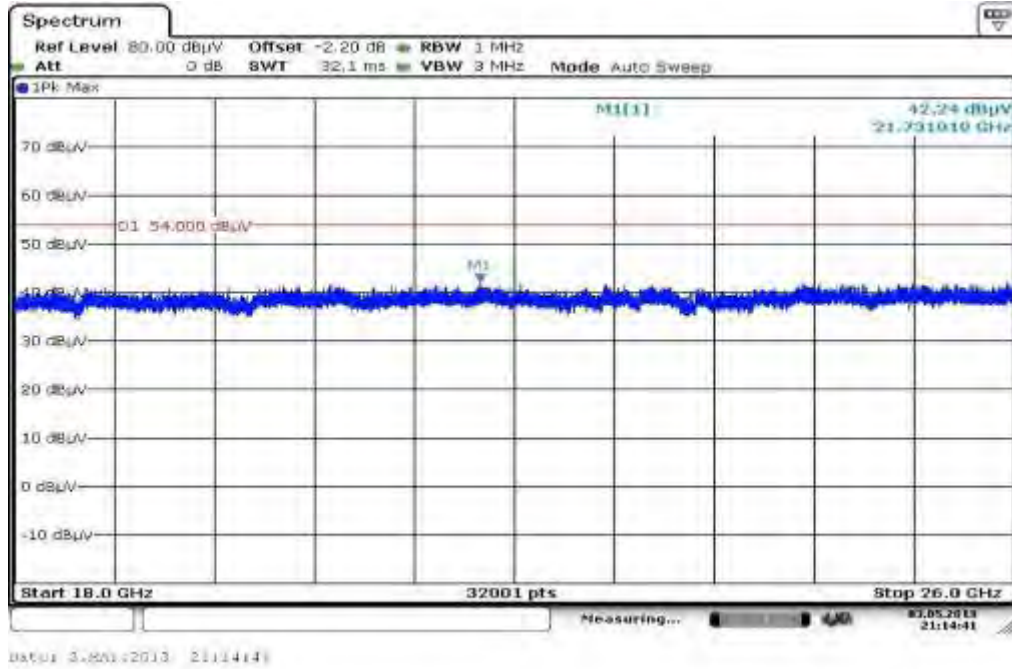
Plot 27: 1 GHz to 12.75 GHz, 5600 MHz, vertical & horizontal polarization



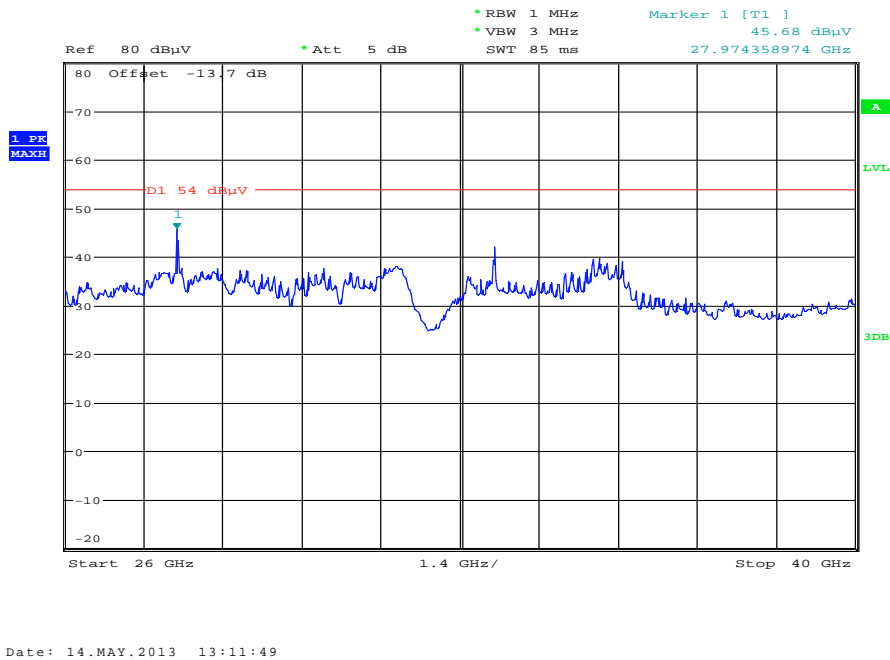
Plot 28: 12 GHz to 18 GHz, 5600 MHz, vertical & horizontal polarization



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

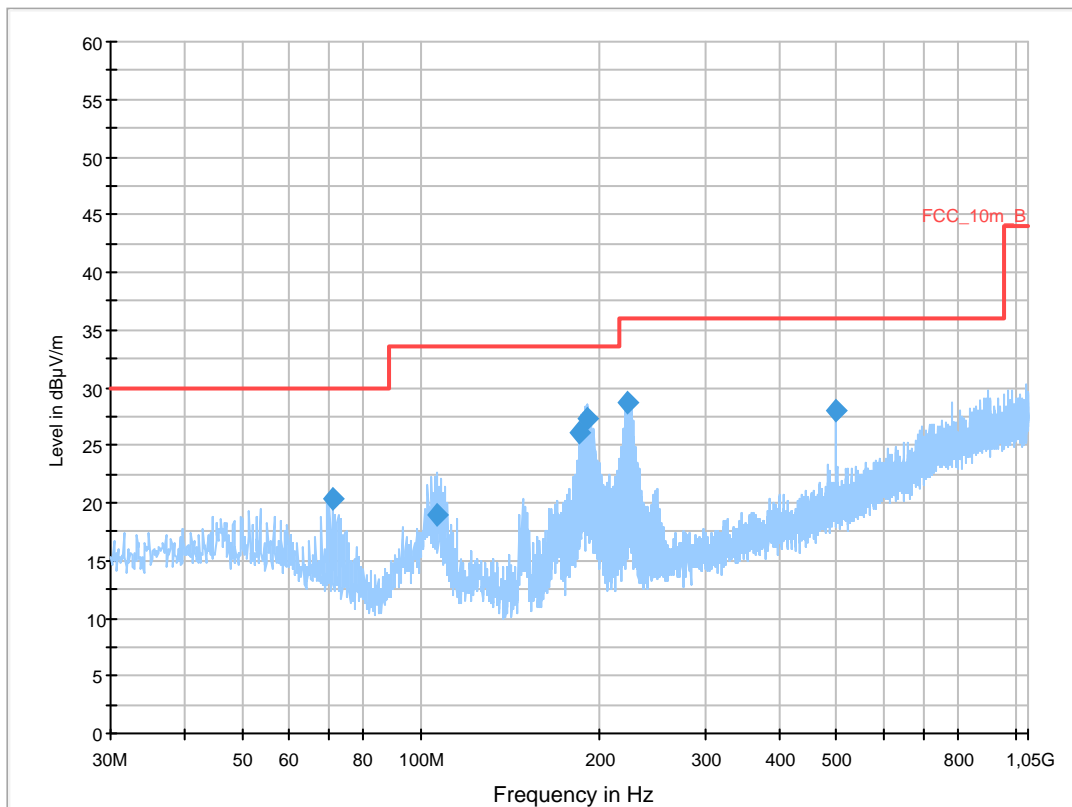
Common Information

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

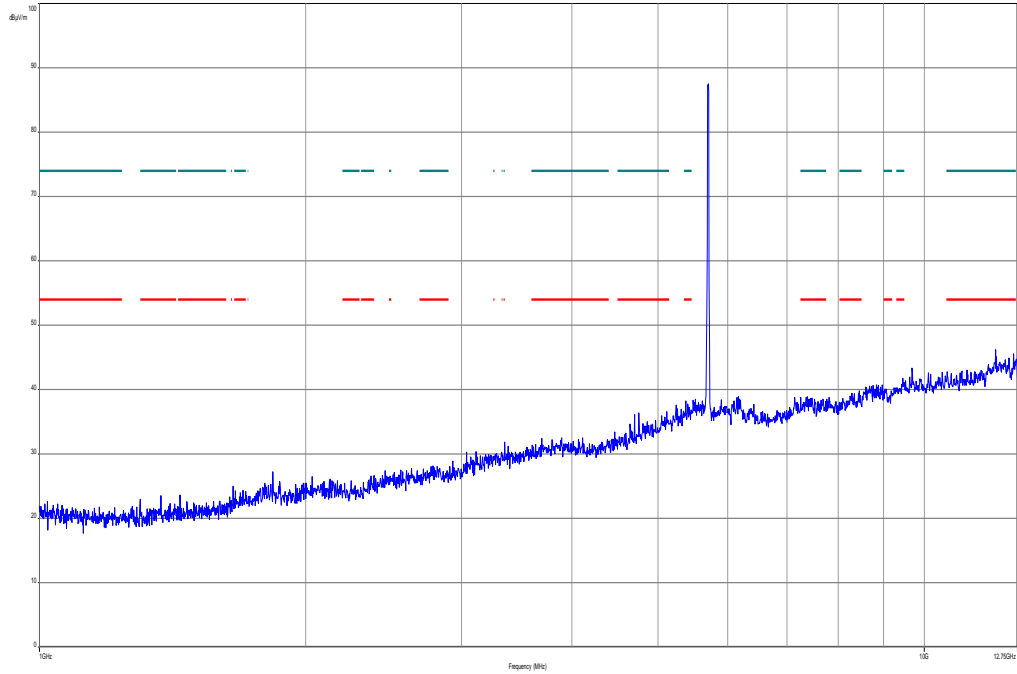
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



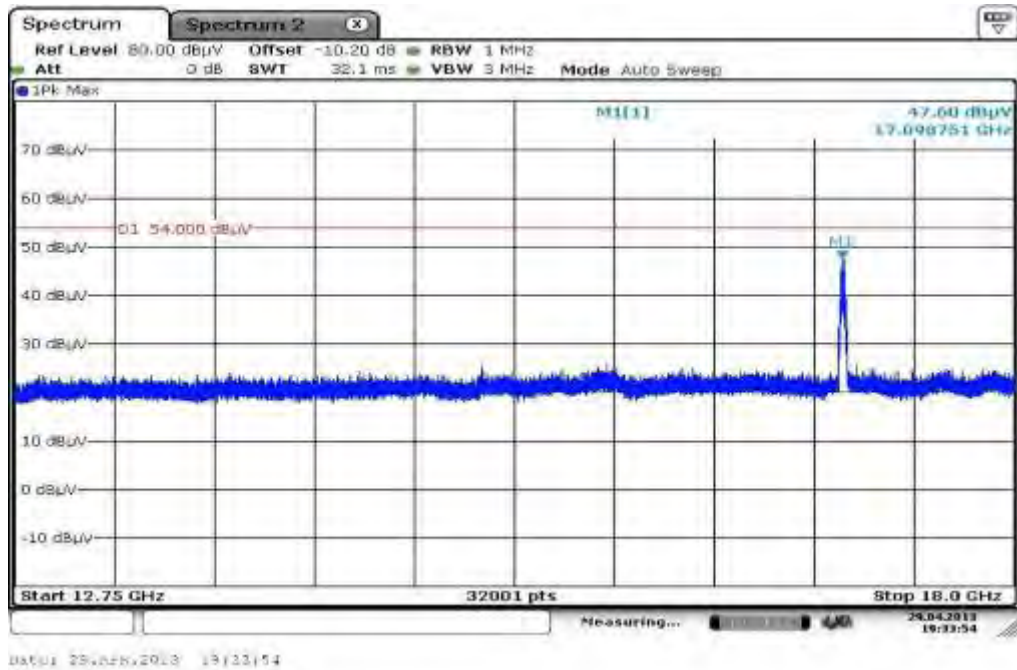
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
70.969800	20.3	1000.0	120.000	170.0	V	171.0	9.3	9.7	30.0	
106.451400	18.9	1000.0	120.000	170.0	V	10.0	11.3	14.6	33.5	
184.976250	26.0	1000.0	120.000	98.0	V	272.0	10.8	7.5	33.5	
190.193400	27.3	1000.0	120.000	98.0	V	272.0	11.1	6.2	33.5	
222.708300	28.6	1000.0	120.000	121.0	V	280.0	12.5	7.4	36.0	
500.011650	27.9	1000.0	120.000	170.0	H	-10.0	18.7	8.1	36.0	

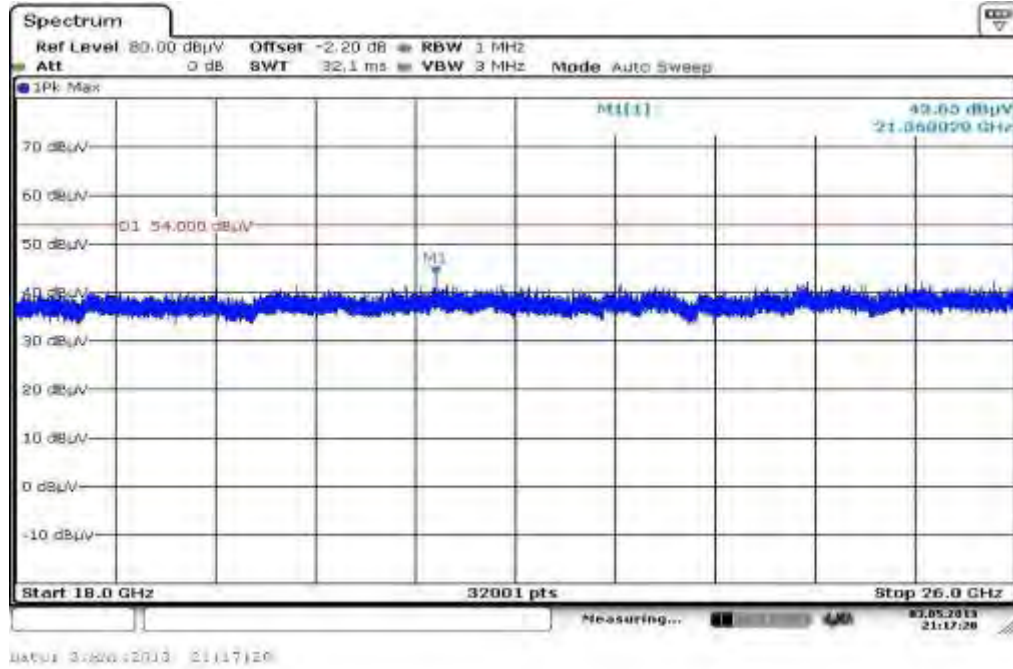
Plot 32: 1 GHz to 12.75 GHz, 5700 MHz, vertical & horizontal polarization



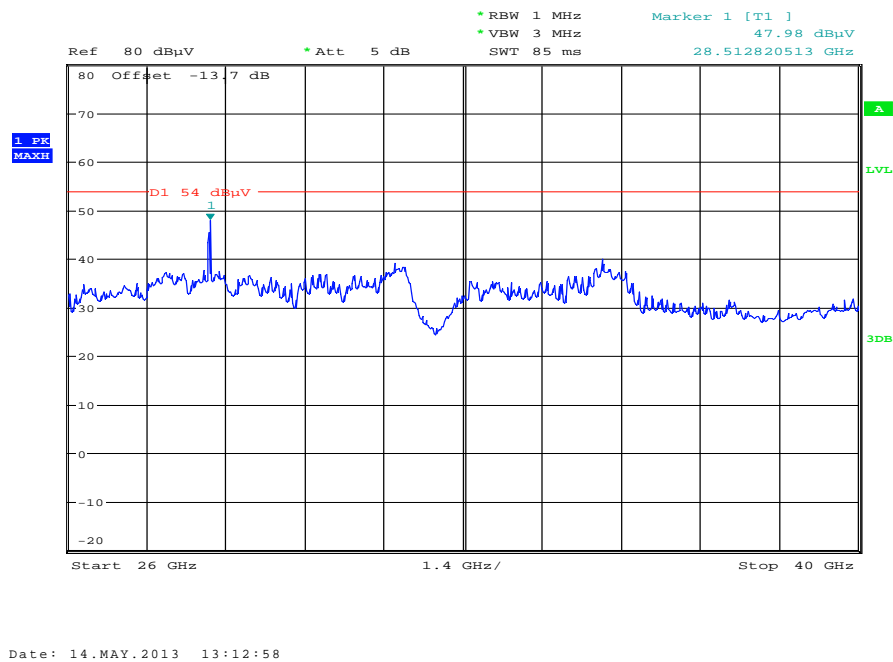
Plot 33: 12 GHz to 18 GHz, 5700 MHz, vertical & horizontal polarization



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

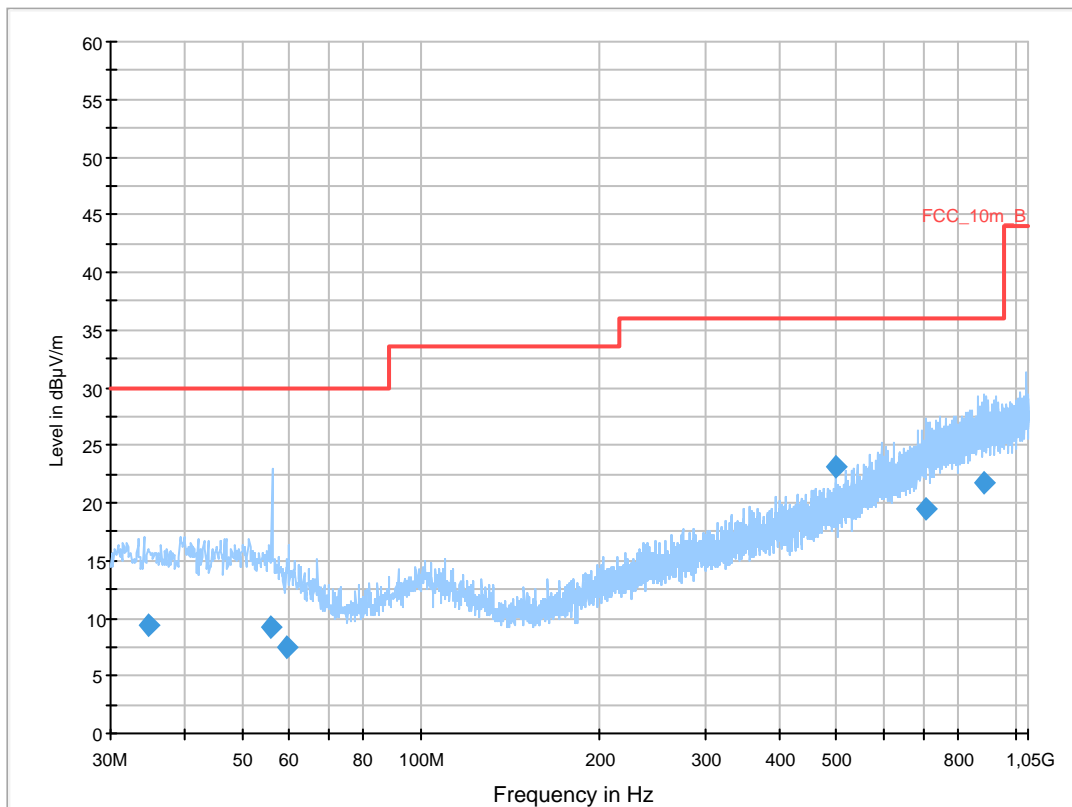
Common Information

EUT: WLANBV2-A + antenna 453564175981
 Serial Number: eval 2
 Test Description: FCC part 15 C class B @ 10 m
 Operating Conditions: wlan n-mode HT40 tx @ 5190MHz
 Operator Name: Wolsdorfer
 Comment: DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

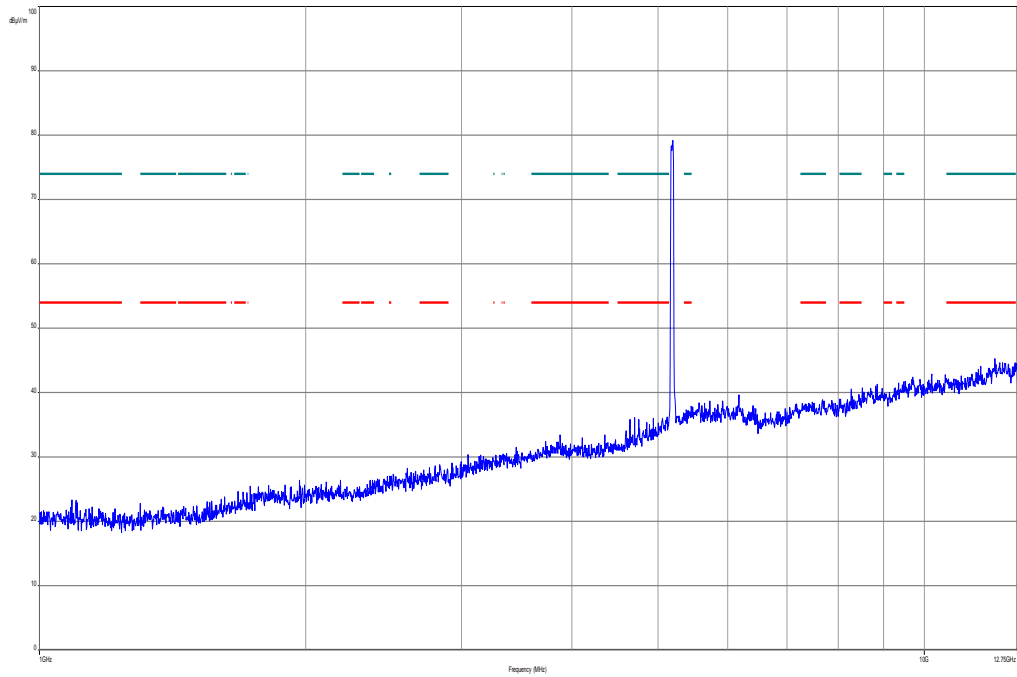
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



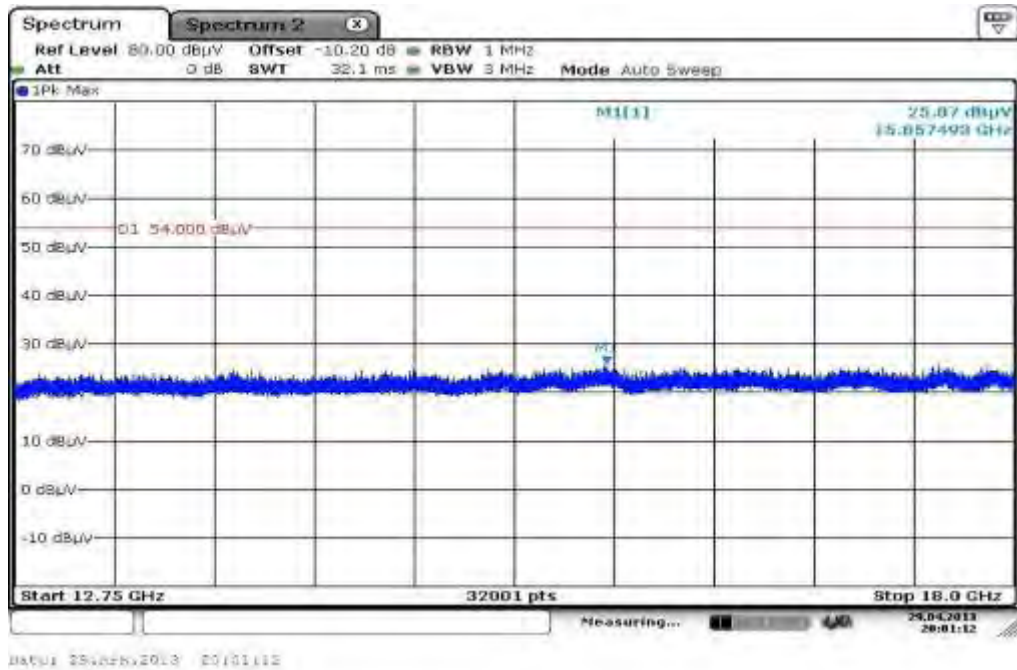
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
34.636350	9.4	1000.0	120.000	114.0	V	268.0	13.0	20.6	30.0	
55.918350	9.2	1000.0	120.000	170.0	V	10.0	12.6	20.8	30.0	
59.408550	7.5	1000.0	120.000	170.0	H	190.0	11.8	22.5	30.0	
499.976850	23.1	1000.0	120.000	98.0	V	171.0	18.7	12.9	36.0	
708.817800	19.5	1000.0	120.000	170.0	V	90.0	22.7	16.5	36.0	
883.042200	21.8	1000.0	120.000	170.0	H	268.0	25.0	14.2	36.0	

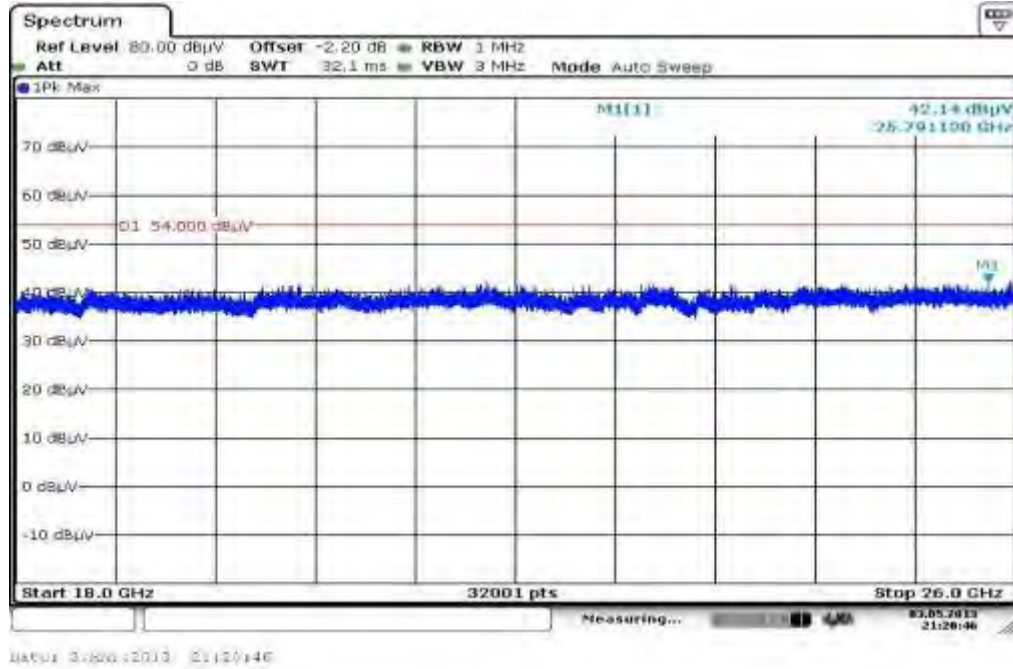
Plot 2: 1 GHz to 12.75 GHz, 5190 MHz, vertical & horizontal polarization



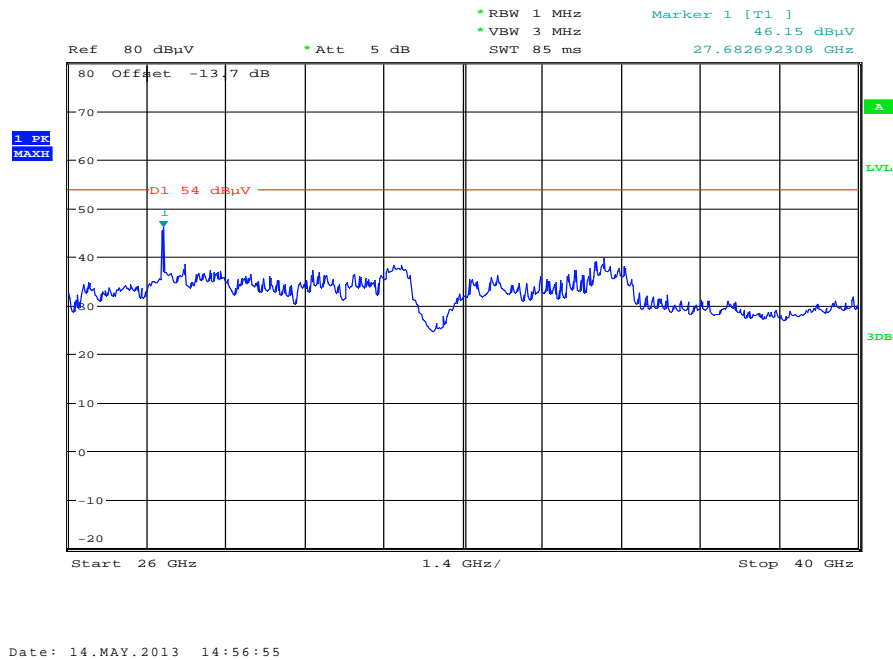
Plot 3: 12 GHz to 18 GHz, 5190 MHz, vertical & horizontal polarization



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

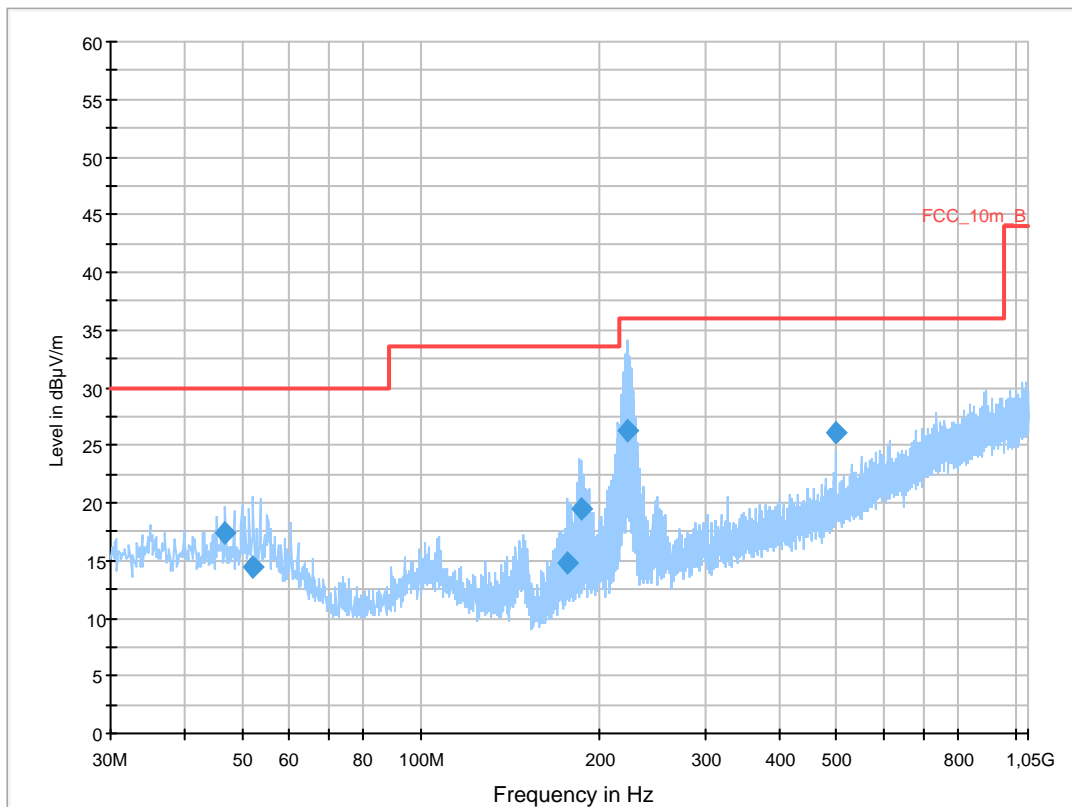
Common Information

EUT: WLANBV2-A + antenna 453564175981
 Serial Number: eval 2
 Test Description: FCC part 15 C class B @ 10 m
 Operating Conditions: wlan n-mode HT40 tx @ 5230MHz
 Operator Name: Wolsdorfer
 Comment: DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

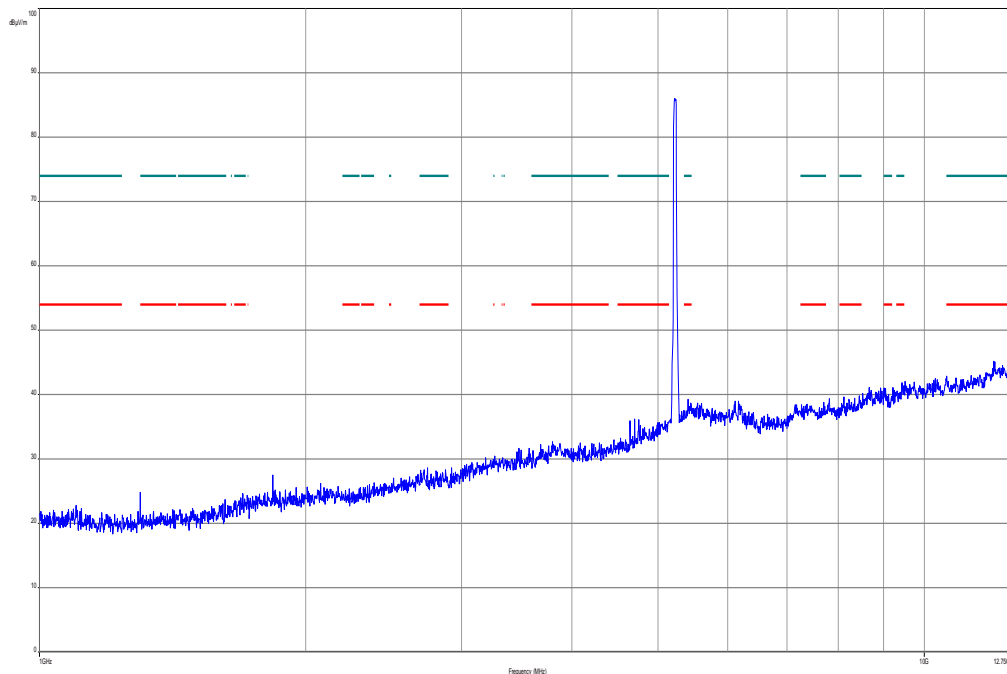
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



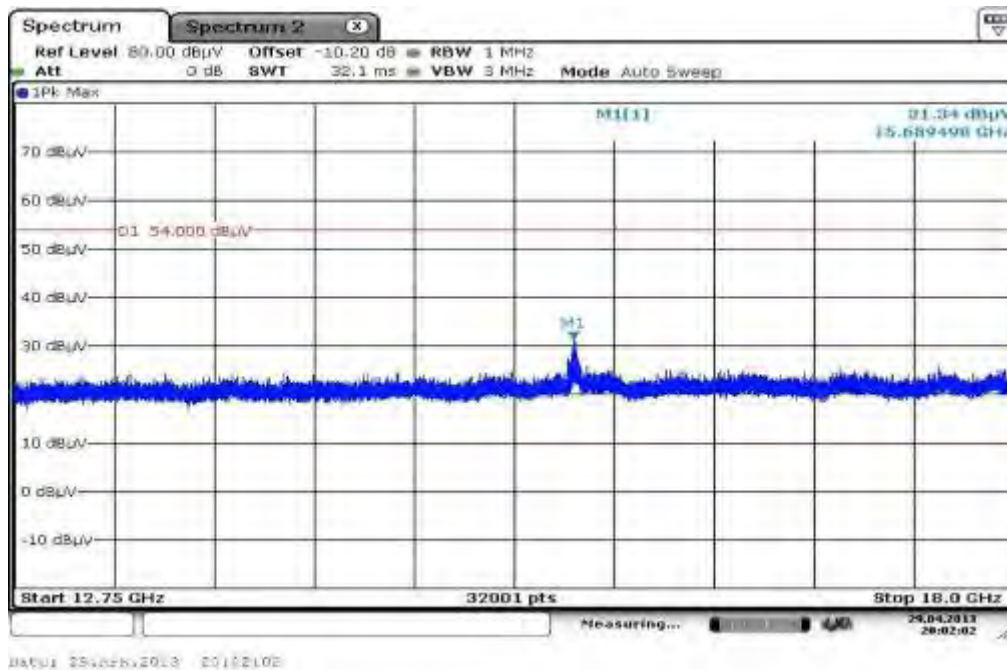
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
46.813950	17.5	1000.0	120.000	98.0	V	170.0	13.3	12.5	30.0	
52.176150	14.4	1000.0	120.000	98.0	V	-6.0	13.2	15.6	30.0	
176.048850	14.9	1000.0	120.000	98.0	V	3.0	10.2	18.6	33.5	
185.850000	19.4	1000.0	120.000	170.0	V	272.0	10.8	14.1	33.5	
222.132150	26.2	1000.0	120.000	132.0	V	280.0	12.5	9.8	36.0	
499.987950	26.0	1000.0	120.000	161.0	H	-6.0	18.7	10.0	36.0	

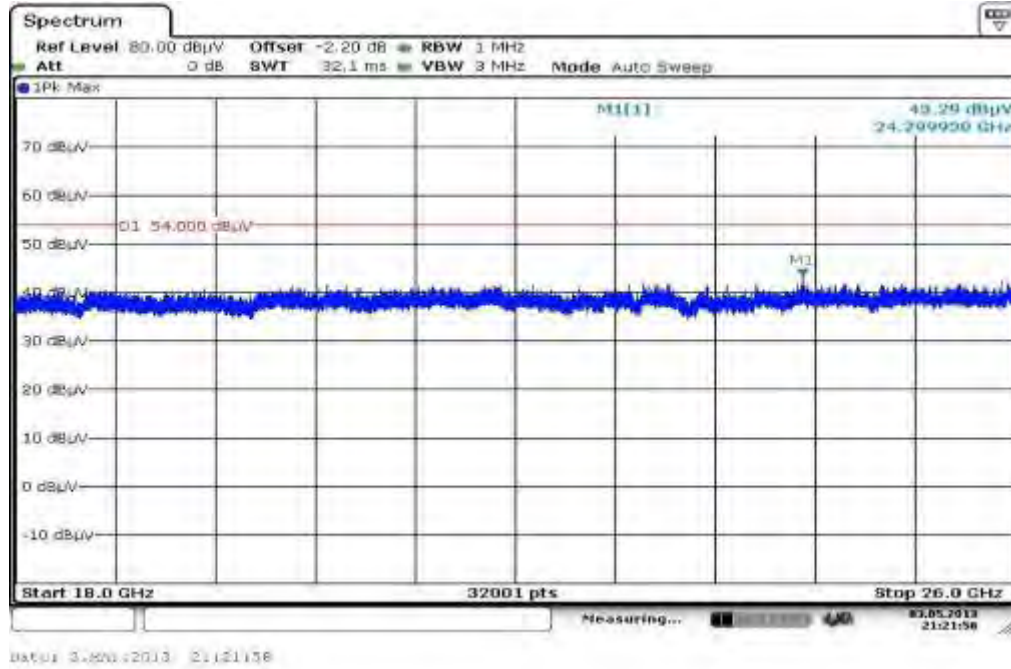
Plot 7: 1 GHz to 12.75 GHz, 5230 MHz, vertical & horizontal polarization



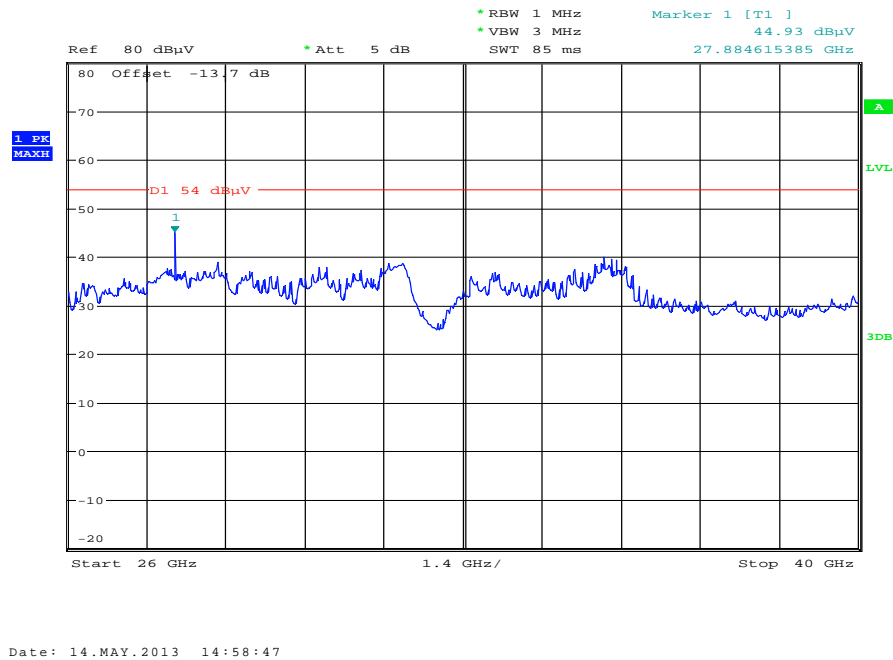
Plot 8: 12 GHz to 18 GHz, 5230 MHz, vertical & horizontal polarization



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

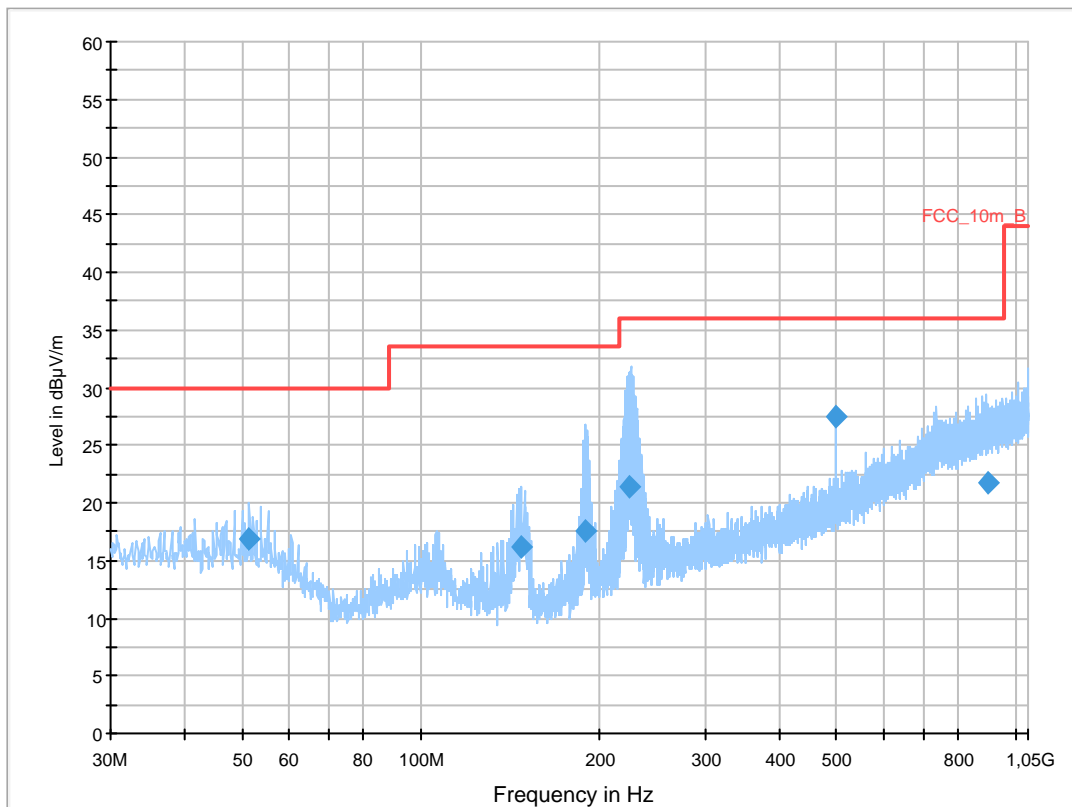
Common Information

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

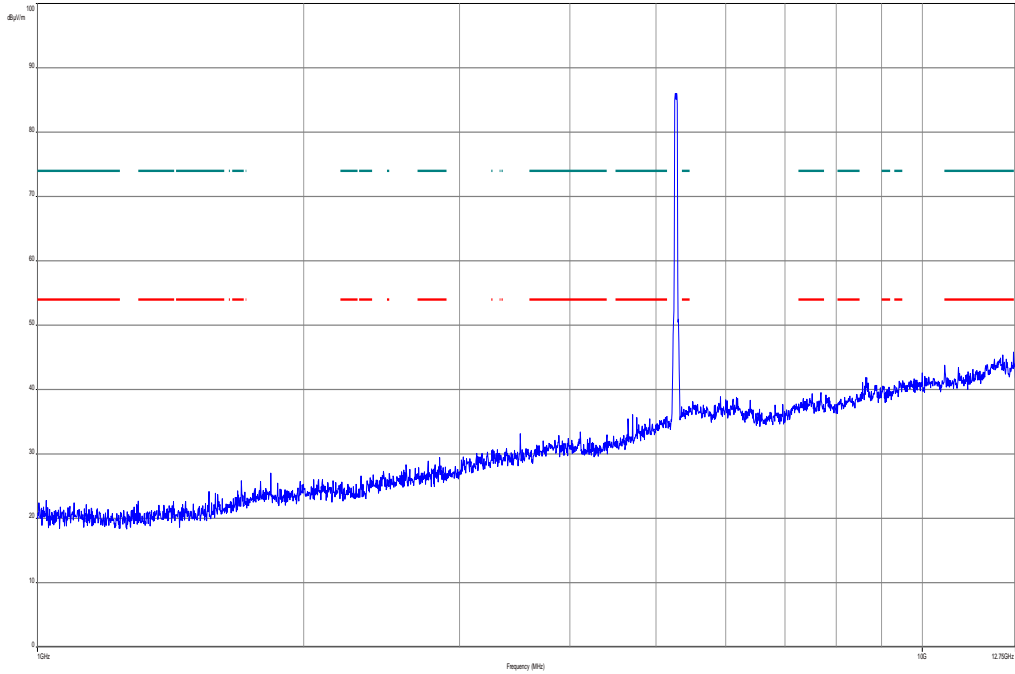
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



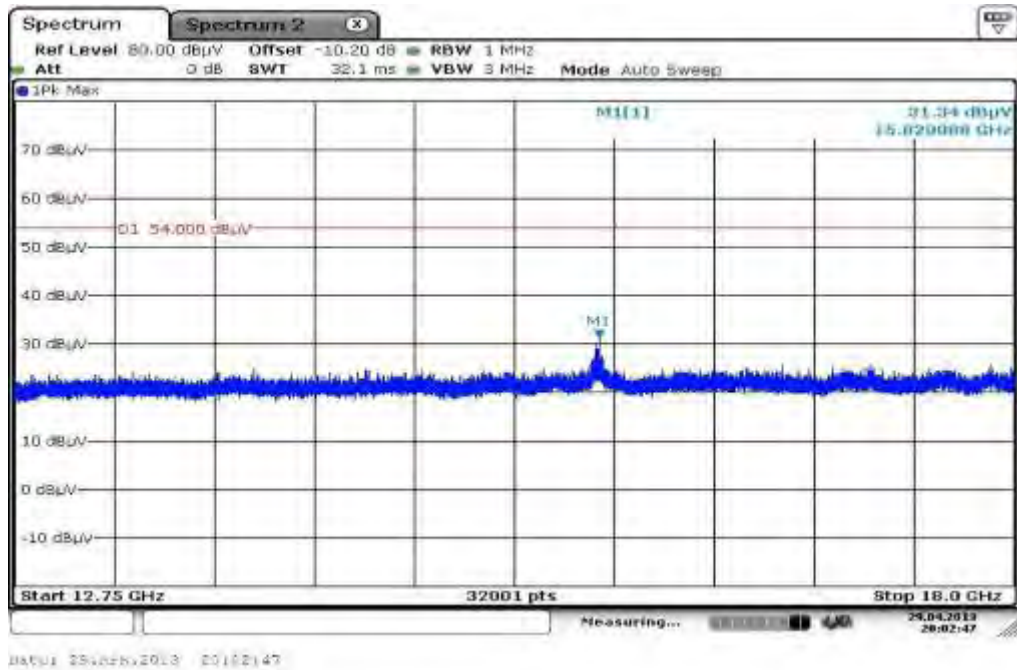
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
51.423150	16.8	1000.0	120.000	170.0	V	90.0	13.2	13.2	30.0	
147.471750	16.2	1000.0	120.000	98.0	V	280.0	8.9	17.3	33.5	
189.123900	17.6	1000.0	120.000	104.0	V	10.0	11.0	15.9	33.5	
224.675850	21.3	1000.0	120.000	170.0	V	85.0	12.5	14.7	36.0	
500.022150	27.5	1000.0	120.000	170.0	H	10.0	18.7	8.5	36.0	
895.617450	21.8	1000.0	120.000	98.0	V	261.0	25.1	14.2	36.0	

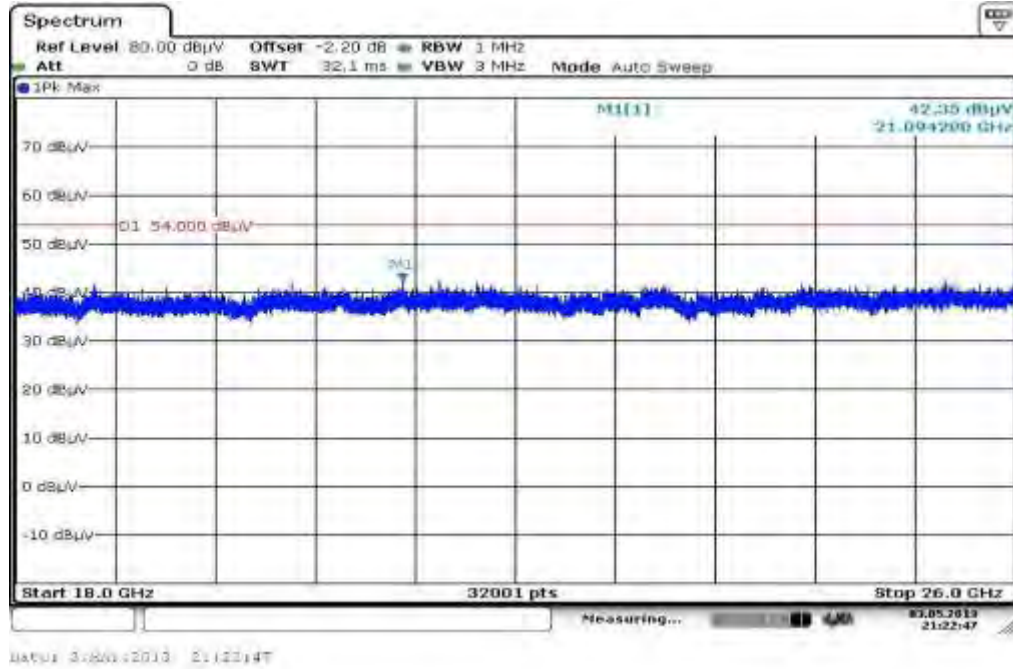
Plot 12: 1 GHz to 12.75 GHz, 5270 MHz, vertical & horizontal polarization



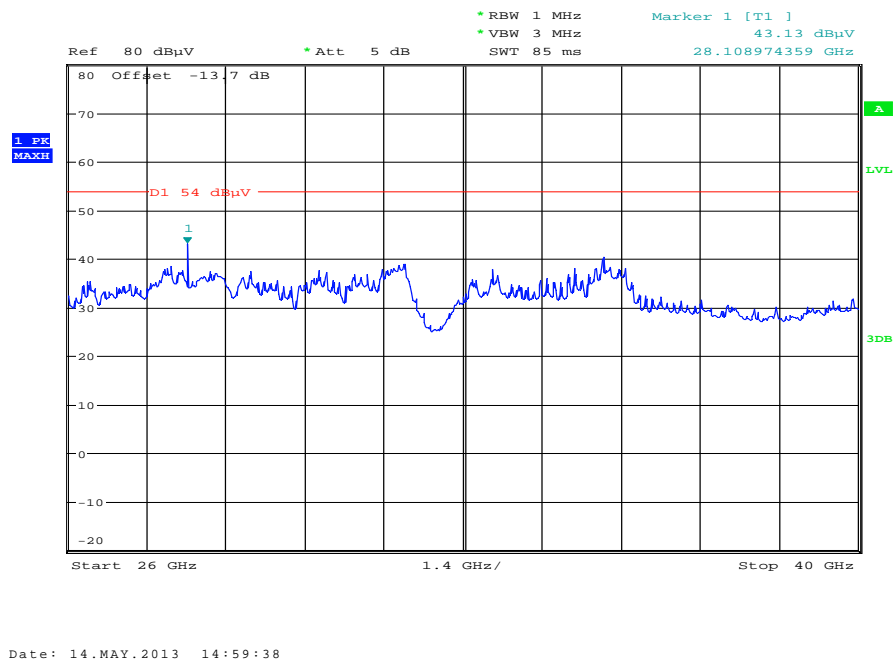
Plot 13: 12 GHz to 18 GHz, 5270 MHz, vertical & horizontal polarization



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

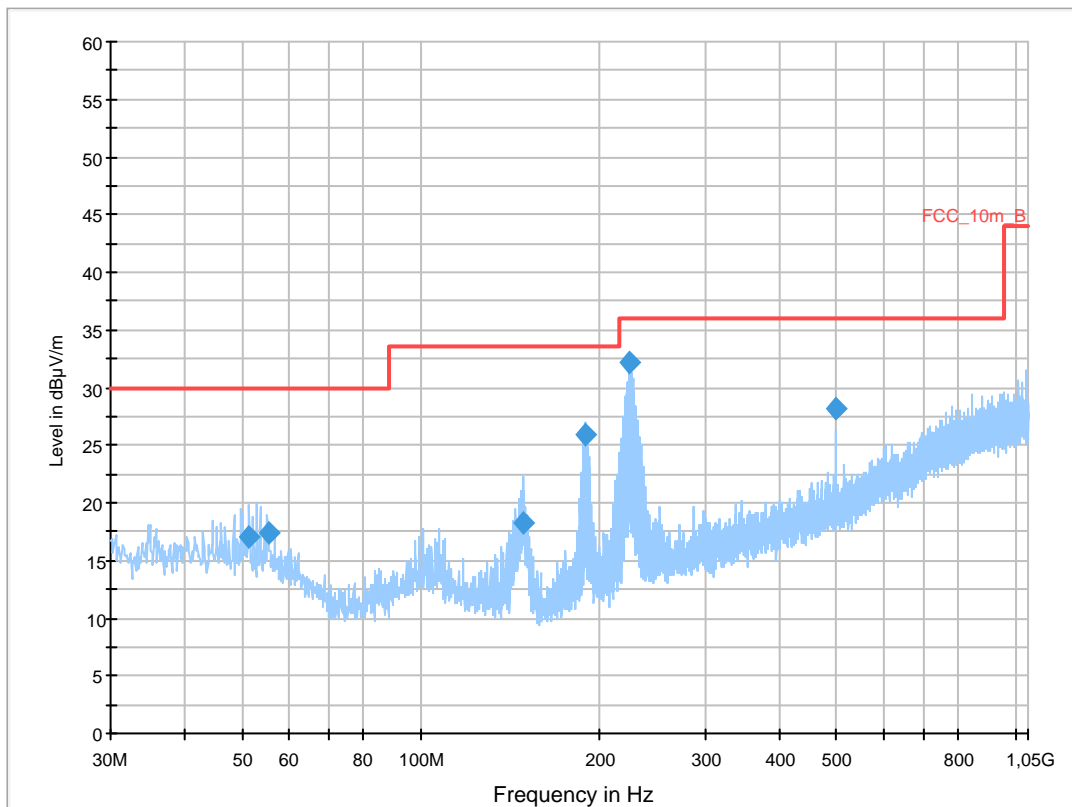
Common Information

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

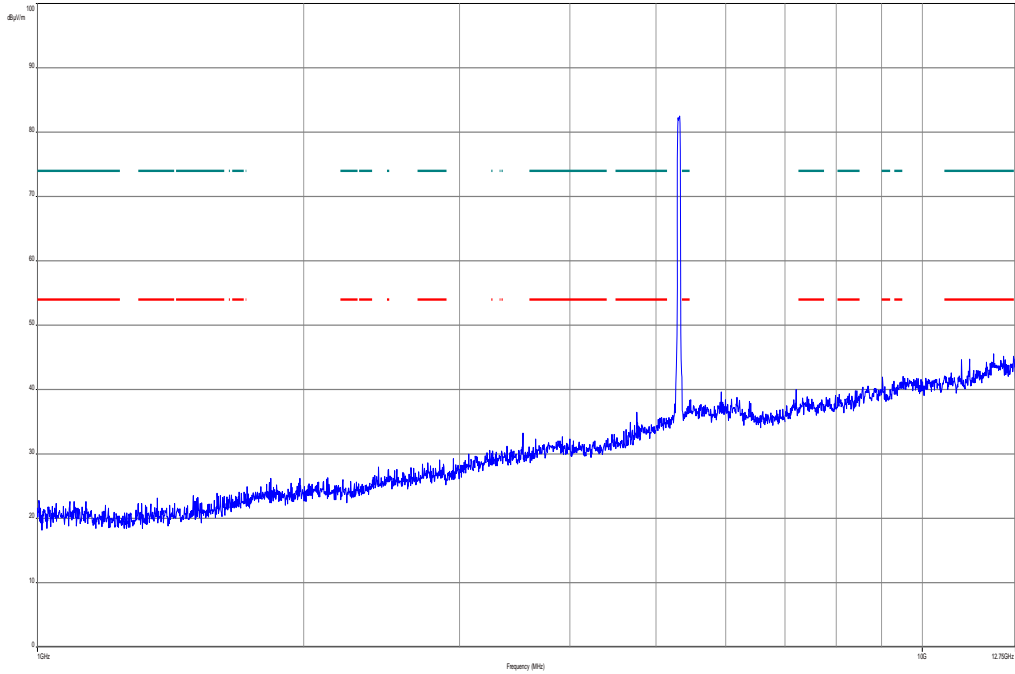
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



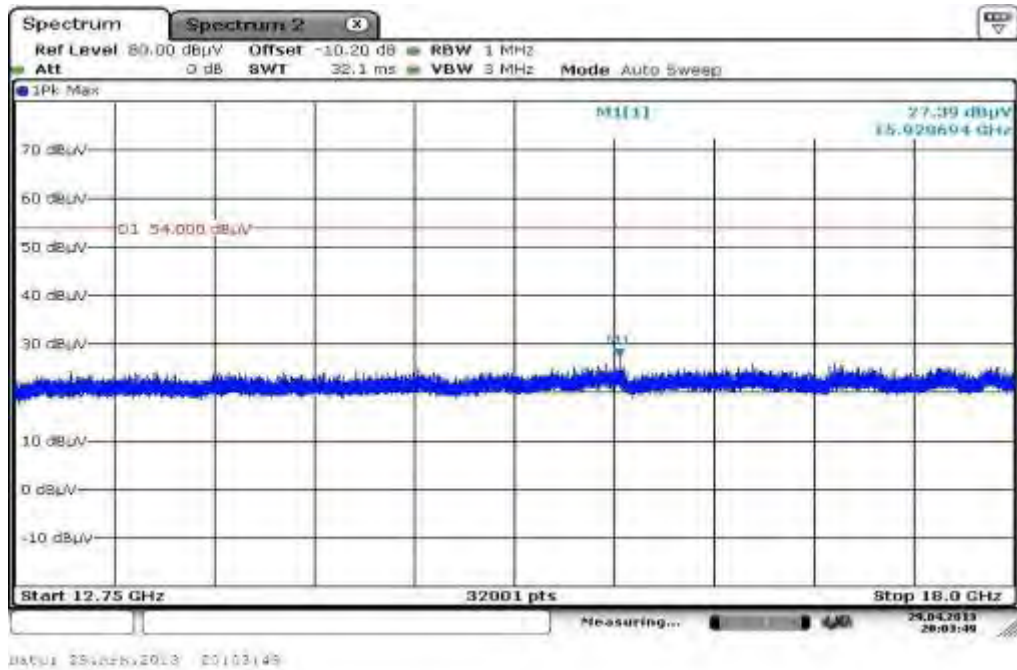
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
51.382800	17.1	1000.0	120.000	111.0	V	190.0	13.2	12.9	30.0	
55.181400	17.3	1000.0	120.000	170.0	V	81.0	12.8	12.7	30.0	
148.124100	18.2	1000.0	120.000	98.0	V	280.0	8.9	15.3	33.5	
188.888700	25.9	1000.0	120.000	170.0	V	10.0	11.0	7.6	33.5	
224.409600	32.2	1000.0	120.000	170.0	V	81.0	12.5	3.8	36.0	
499.998750	28.1	1000.0	120.000	170.0	H	10.0	18.7	7.9	36.0	

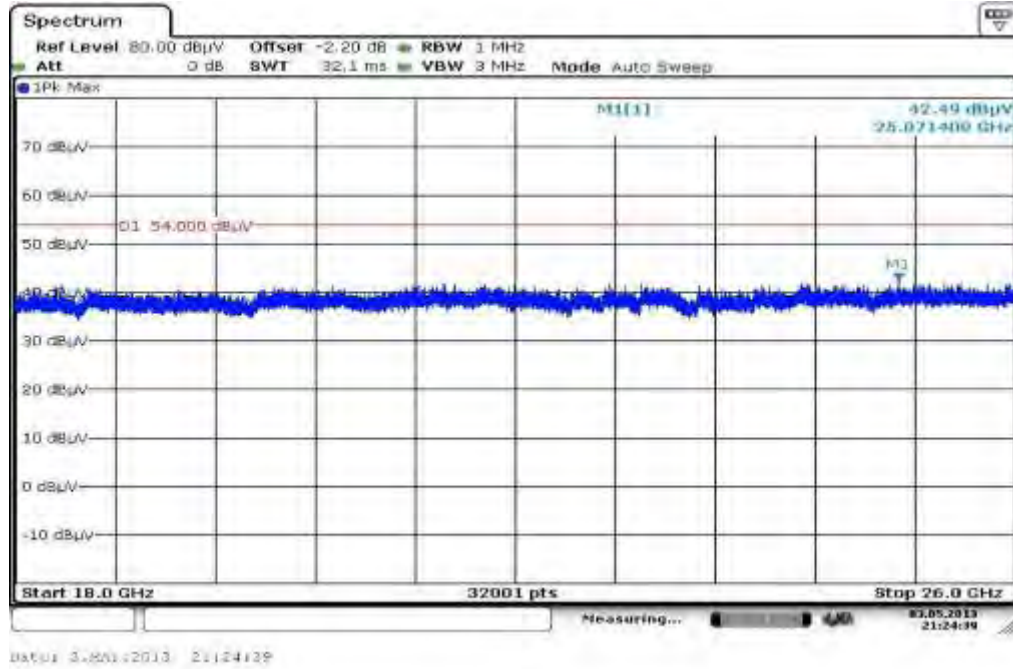
Plot 17: 1 GHz to 12.75 GHz, 5310 MHz, vertical & horizontal polarization



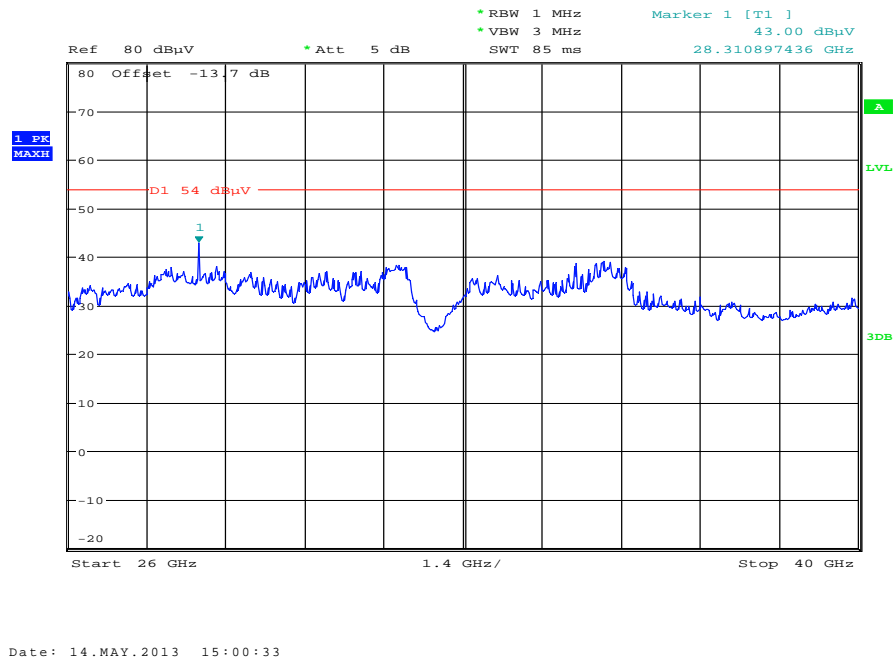
Plot 18: 12 GHz to 18 GHz, 5310 MHz, vertical & horizontal polarization



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

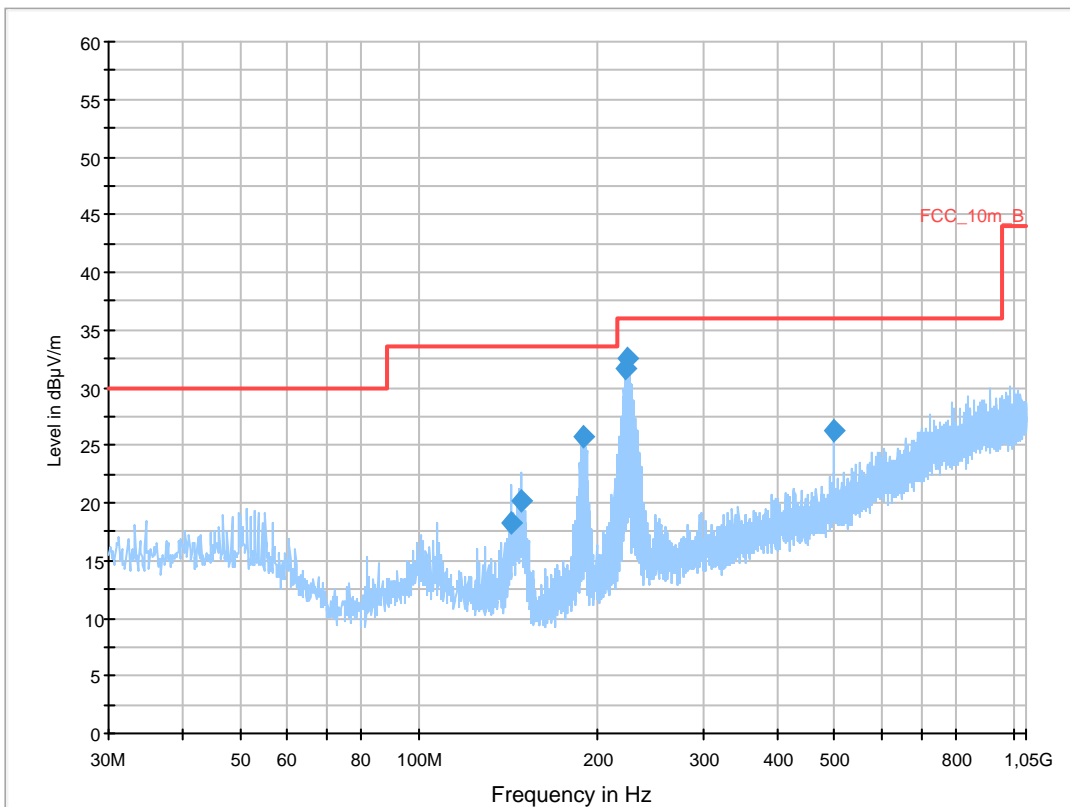
Common Information

EUT: WLANBV2-A + antenna 453564175981
 Serial Number: eval 2
 Test Description: FCC part 15 C class B @ 10 m
 Operating Conditions: wlan n-mode tx @ 5500MHz
 Operator Name: Wolsdorfer
 Comment: DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

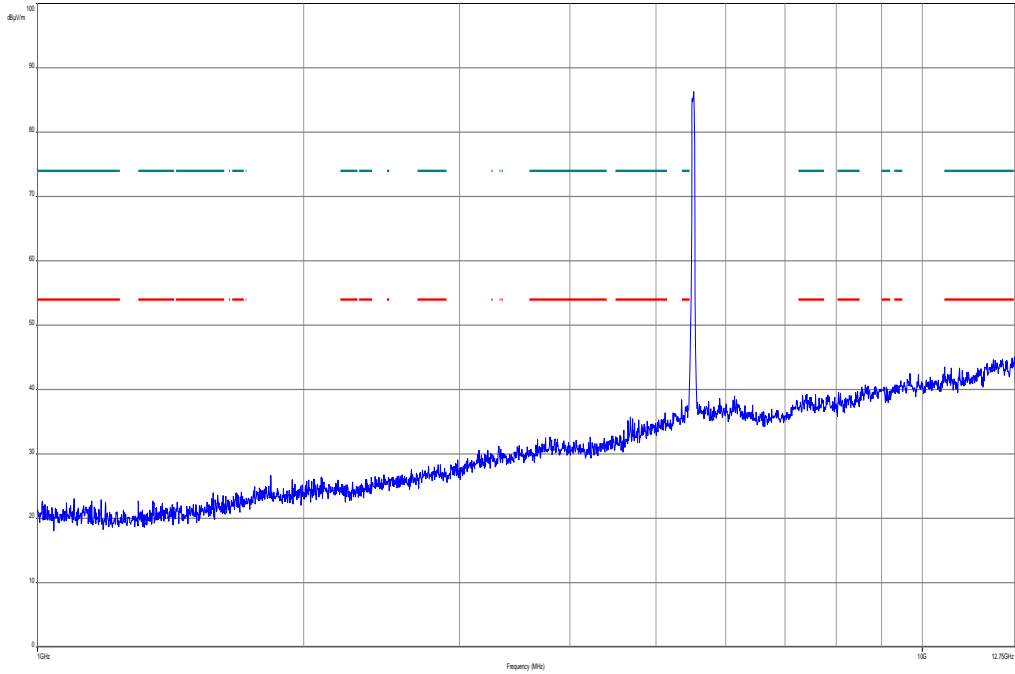
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



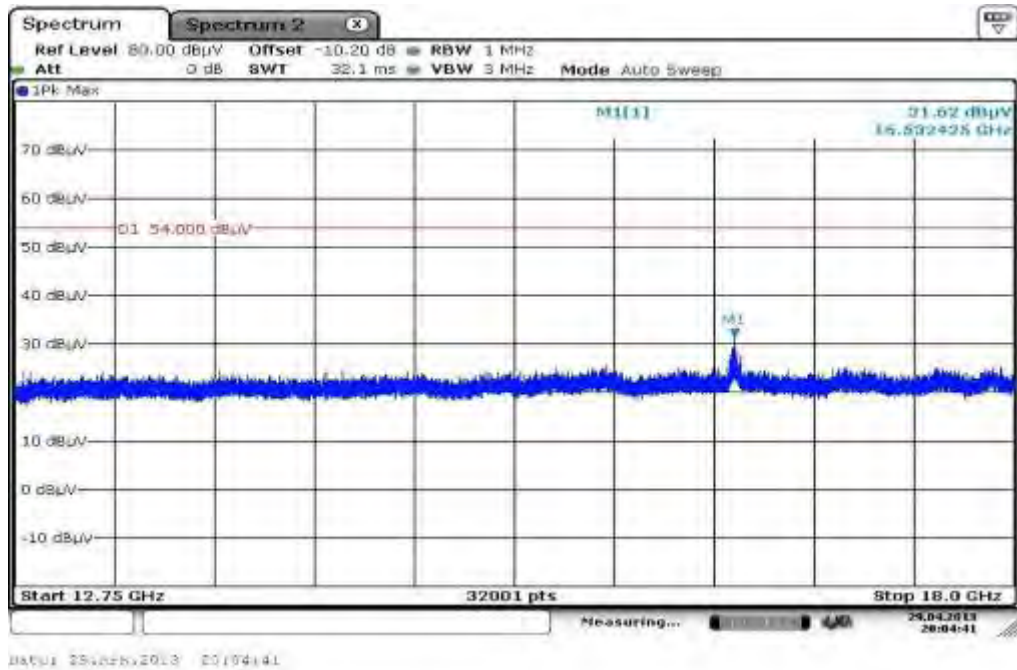
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
142.806450	18.2	1000.0	120.000	98.0	V	280.0	8.7	15.3	33.5	
148.865700	20.1	1000.0	120.000	111.0	V	280.0	8.9	13.4	33.5	
188.880150	25.7	1000.0	120.000	170.0	V	10.0	11.0	7.8	33.5	
222.914550	31.6	1000.0	120.000	170.0	V	80.0	12.5	4.4	36.0	
224.409300	32.5	1000.0	120.000	170.0	V	10.0	12.5	3.5	36.0	
499.985400	26.2	1000.0	120.000	161.0	H	190.0	18.7	9.8	36.0	

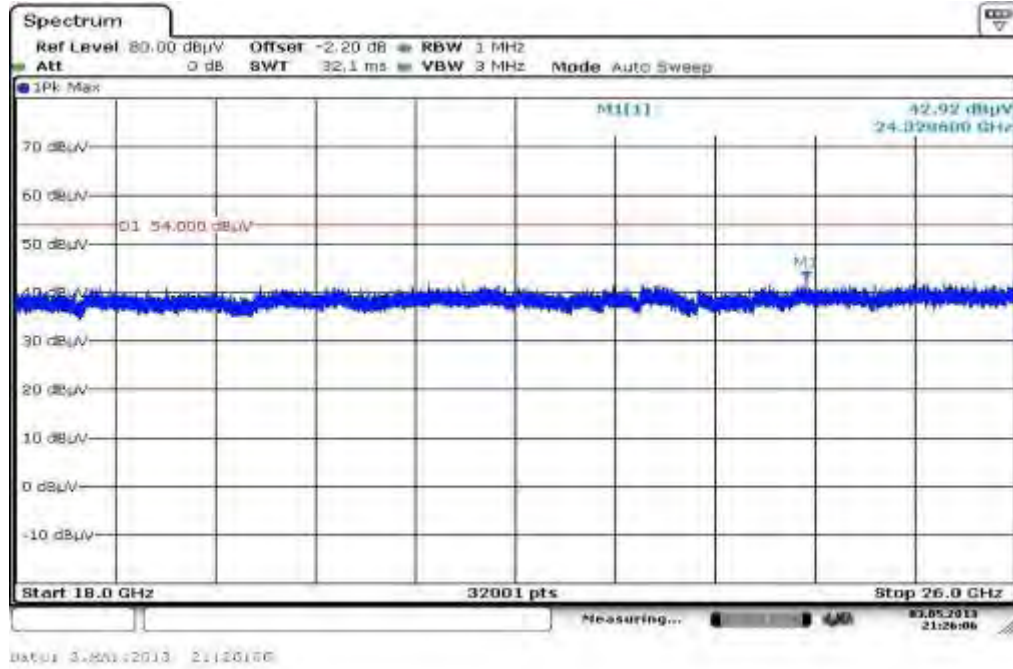
Plot 22: 1 GHz to 12.75 GHz, 5510 MHz, vertical & horizontal polarization



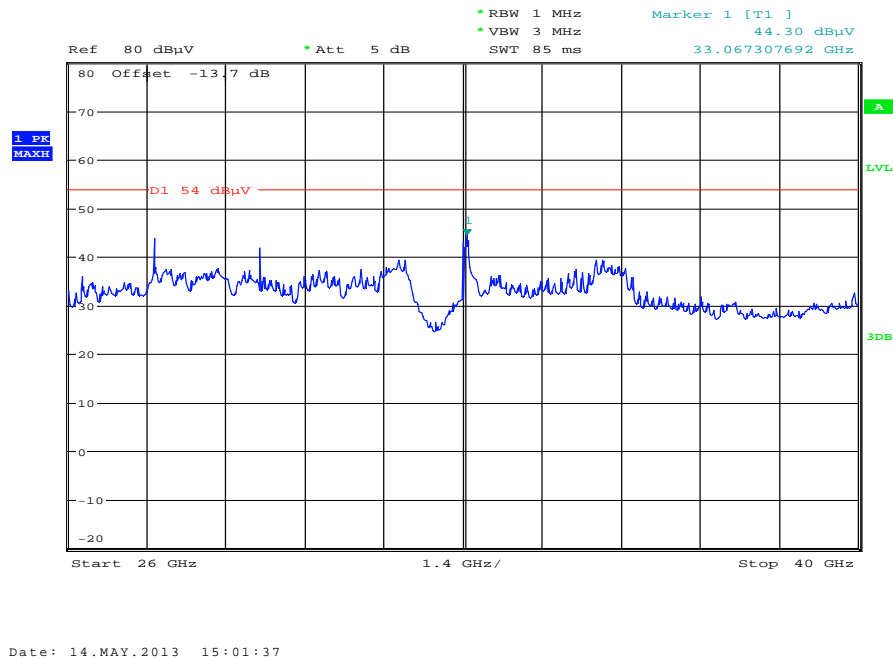
Plot 23: 12 GHz to 18 GHz, 5510 MHz, vertical & horizontal polarization



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

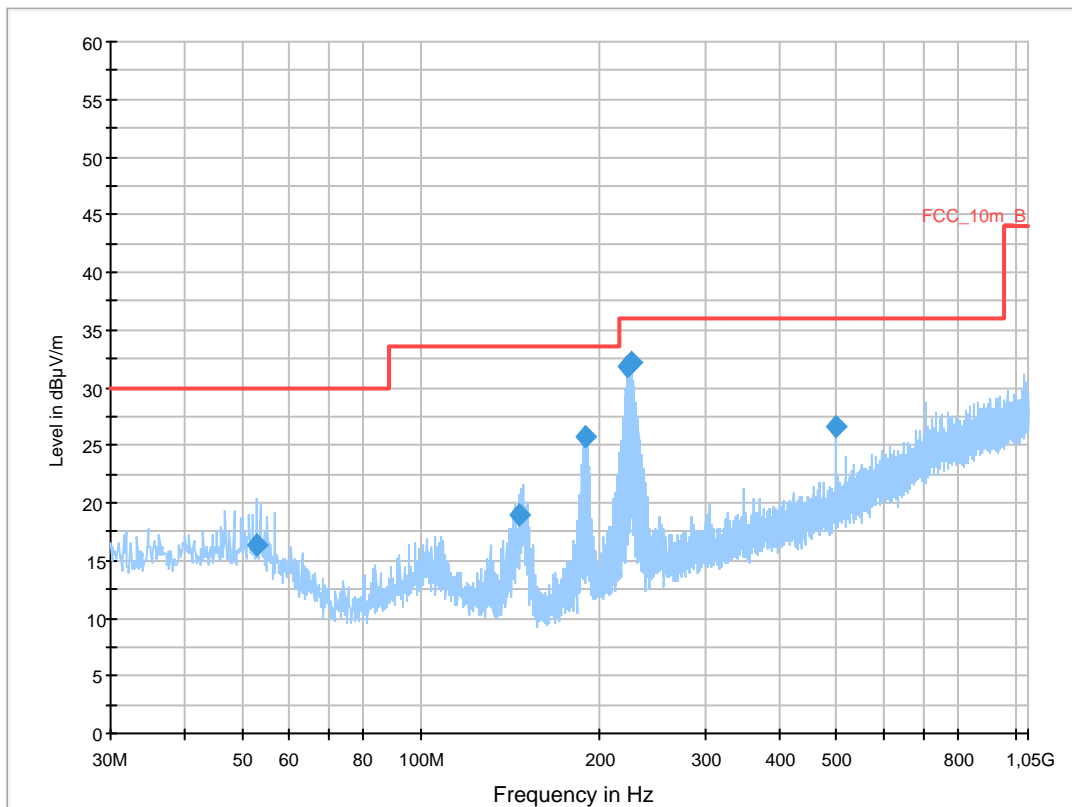
Common Information

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

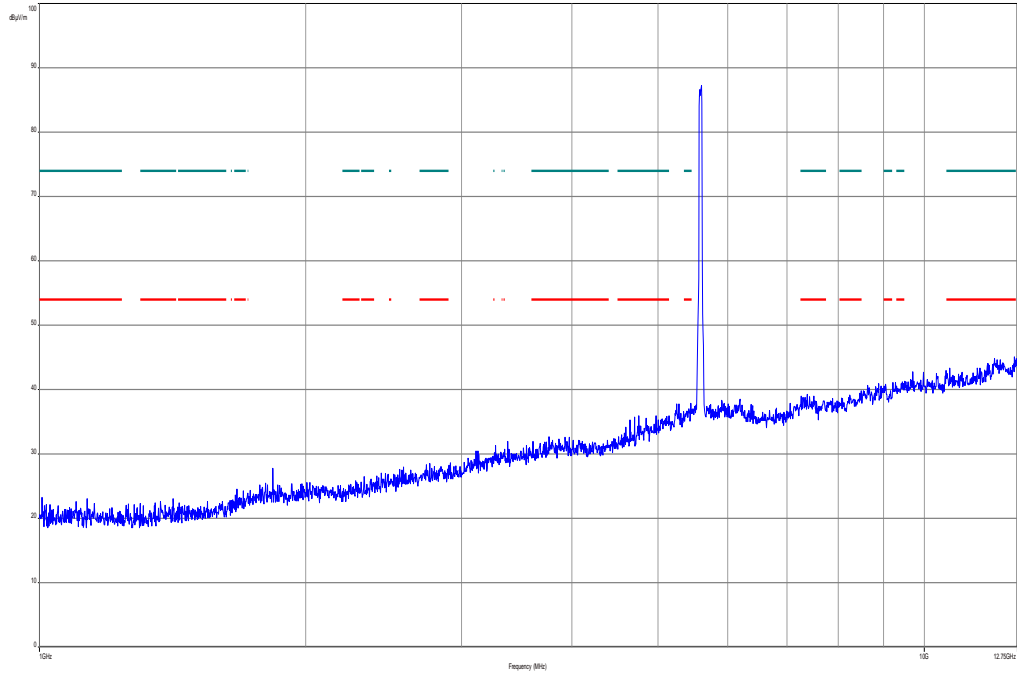
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



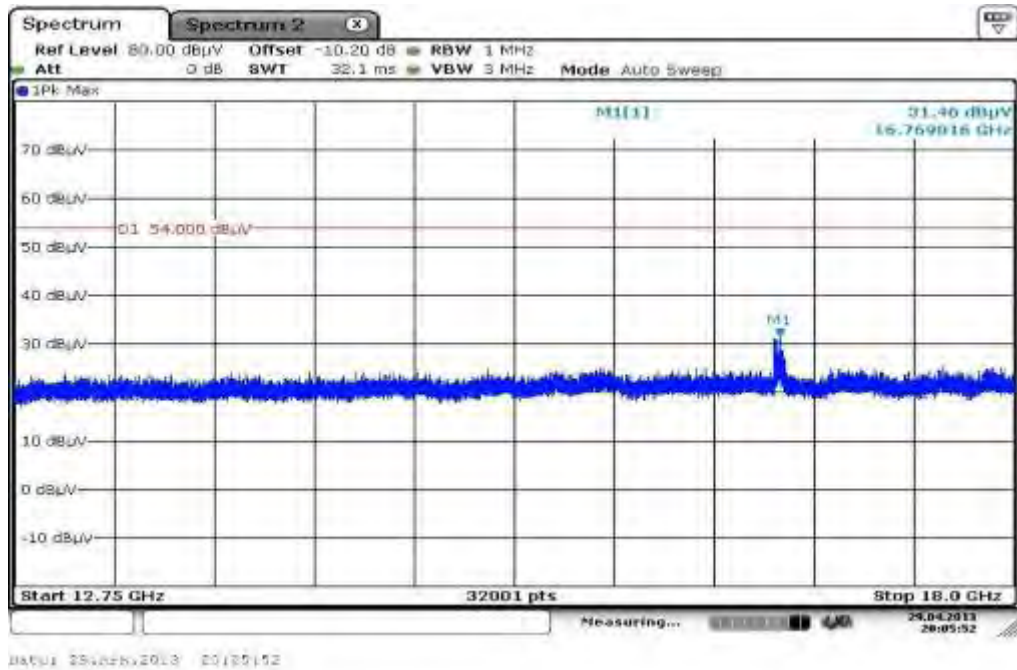
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
52.873650	16.3	1000.0	120.000	104.0	V	80.0	13.1	13.7	30.0	
145.776750	19.0	1000.0	120.000	98.0	V	280.0	8.8	14.5	33.5	
188.868150	25.7	1000.0	120.000	152.0	V	10.0	11.0	7.8	33.5	
222.917250	31.8	1000.0	120.000	170.0	V	80.0	12.5	4.2	36.0	
225.164550	32.2	1000.0	120.000	170.0	V	81.0	12.6	3.8	36.0	
500.003100	26.6	1000.0	120.000	170.0	H	190.0	18.7	9.4	36.0	

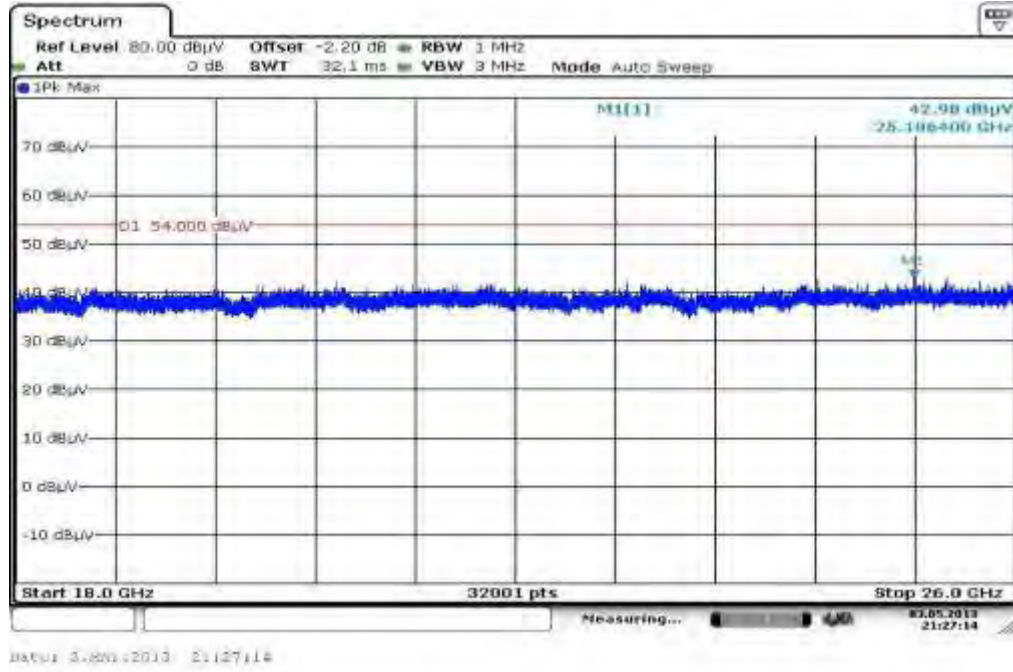
Plot 27: 1 GHz to 12.75 GHz, 5590 MHz, vertical & horizontal polarization



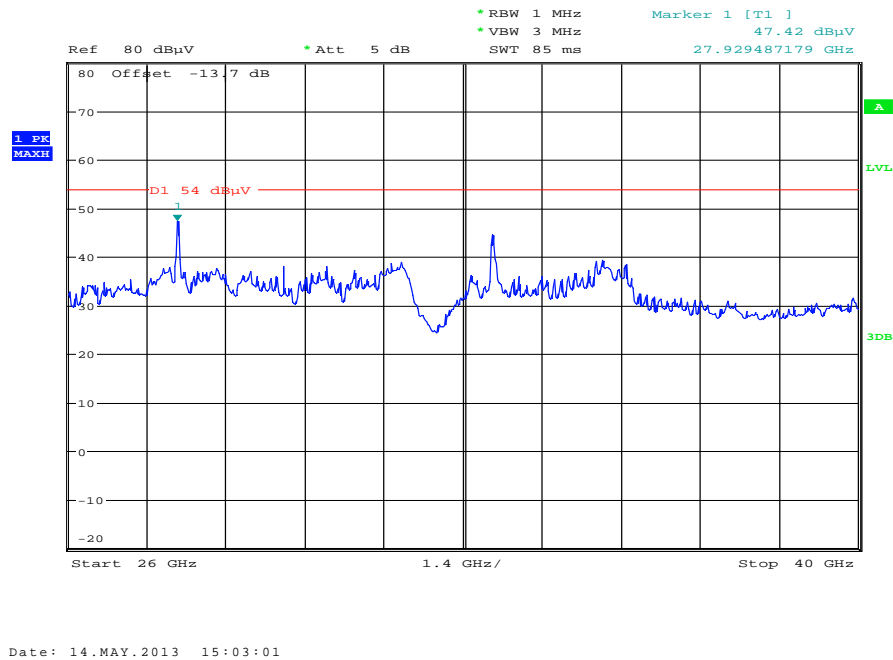
Plot 28: 12 GHz to 18 GHz, 5590 MHz, vertical & horizontal polarization



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

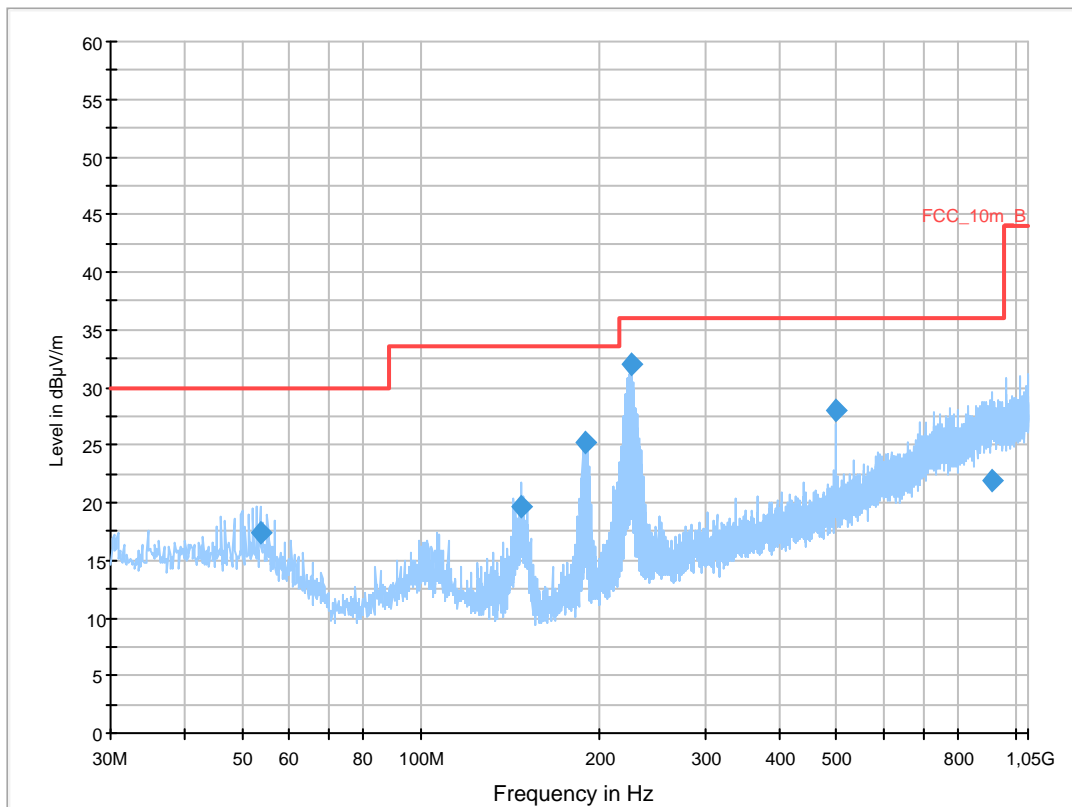
Common Information

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

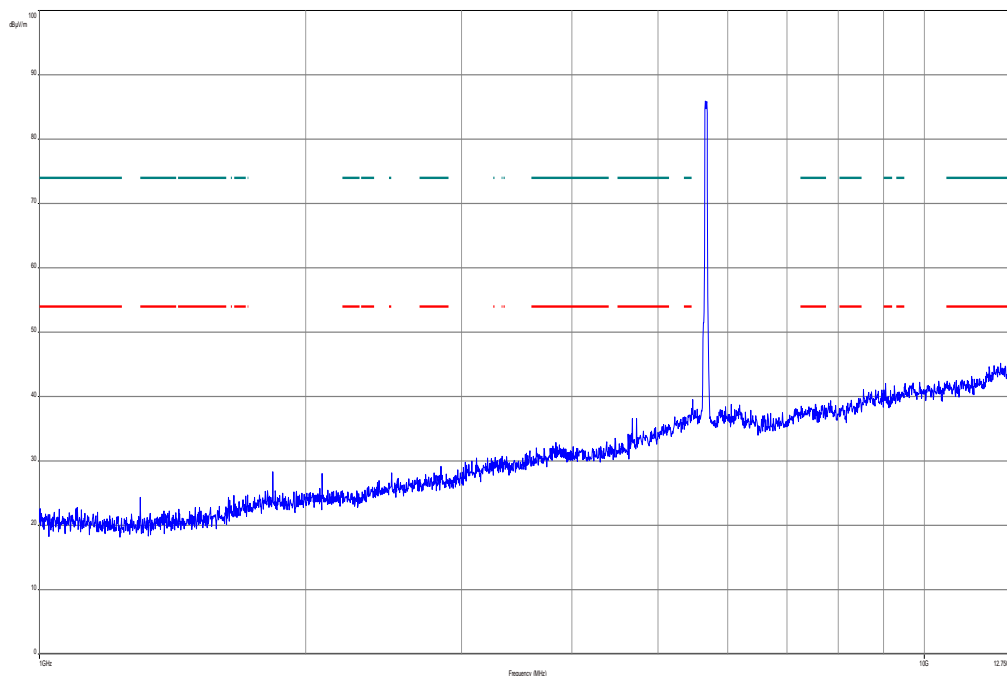
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



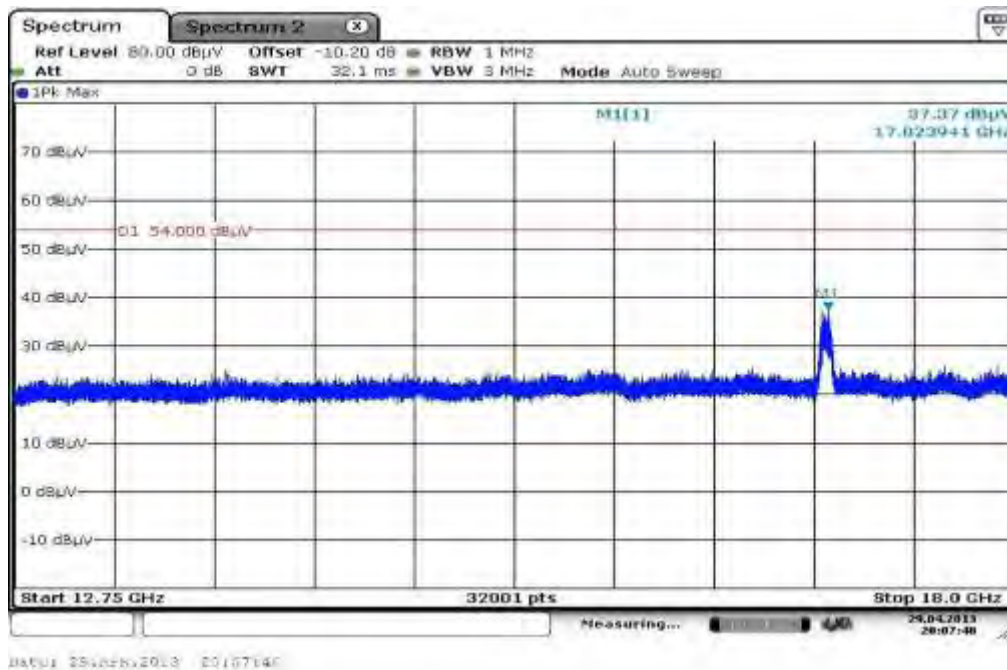
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
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	

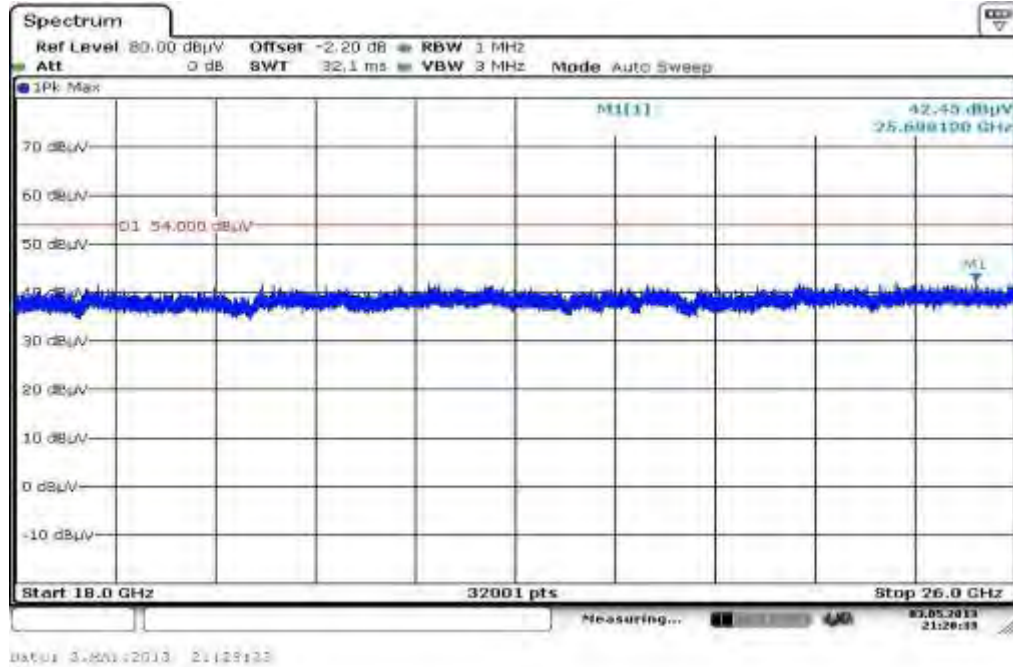
Plot 32: 1 GHz to 12.75 GHz, 5670 MHz, vertical & horizontal polarization



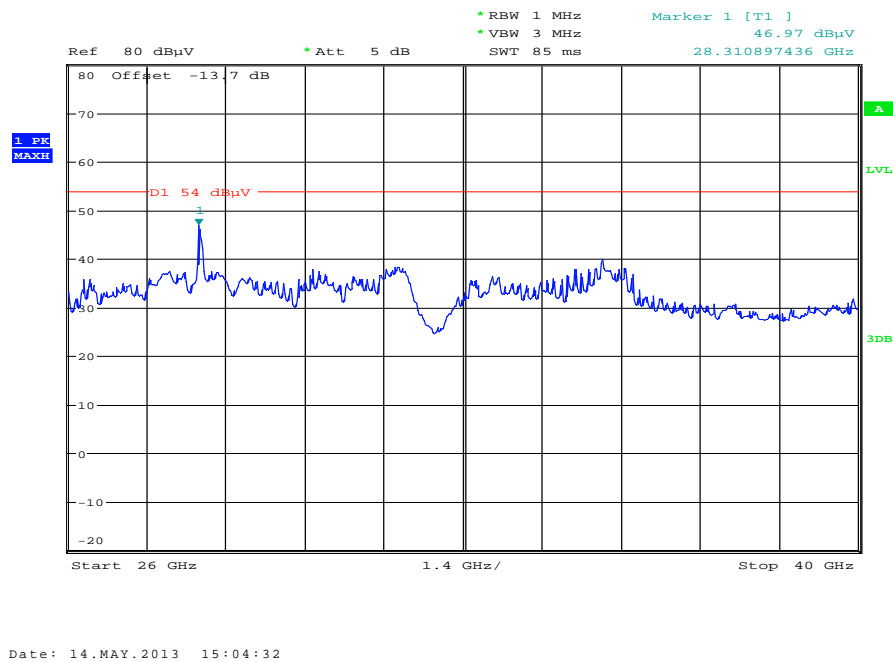
Plot 33: 12 GHz to 18 GHz, 5670 MHz, vertical & horizontal polarization



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 453564271931

Plots: OFDM / a – mode

Plot 1: 30 MHz to 1 GHz, 5180 MHz, vertical & horizontal polarization

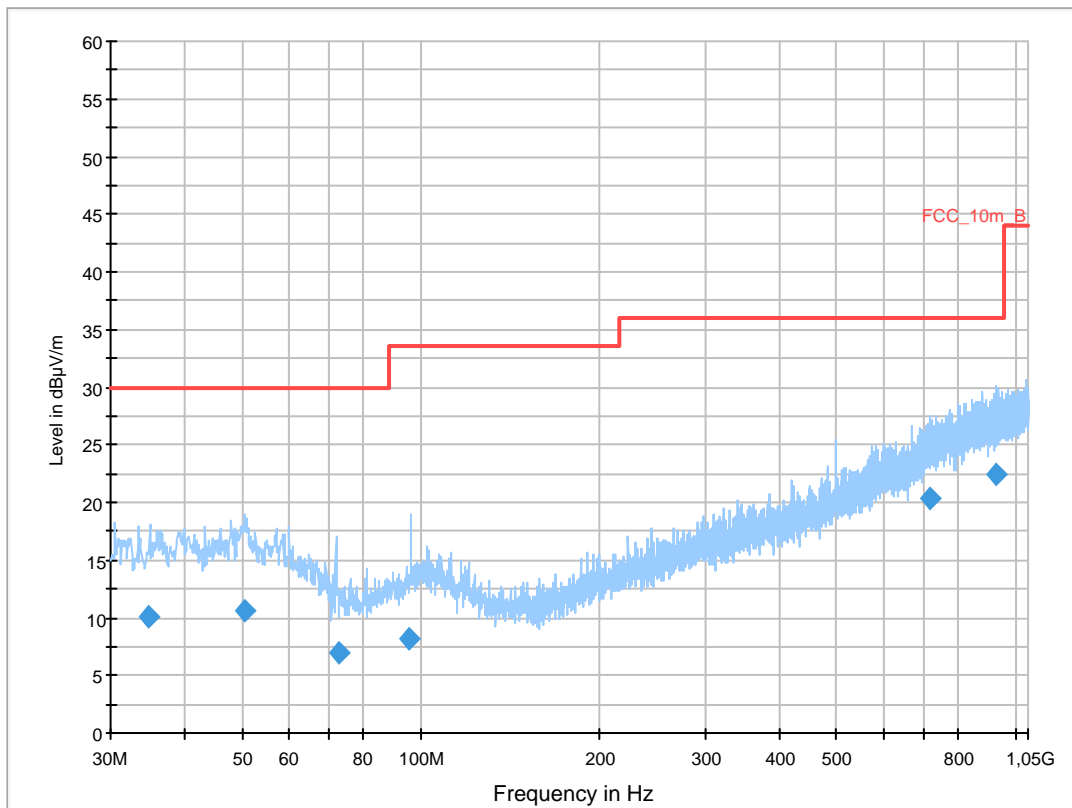
Common Information

EUT: WLANBV2-A + antenna 453564271931
 Serial Number: 008092 | 4DF244
 Test Description: FCC part 15 C class B
 Operating Conditions: WLAN a mode tx @ 5180 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

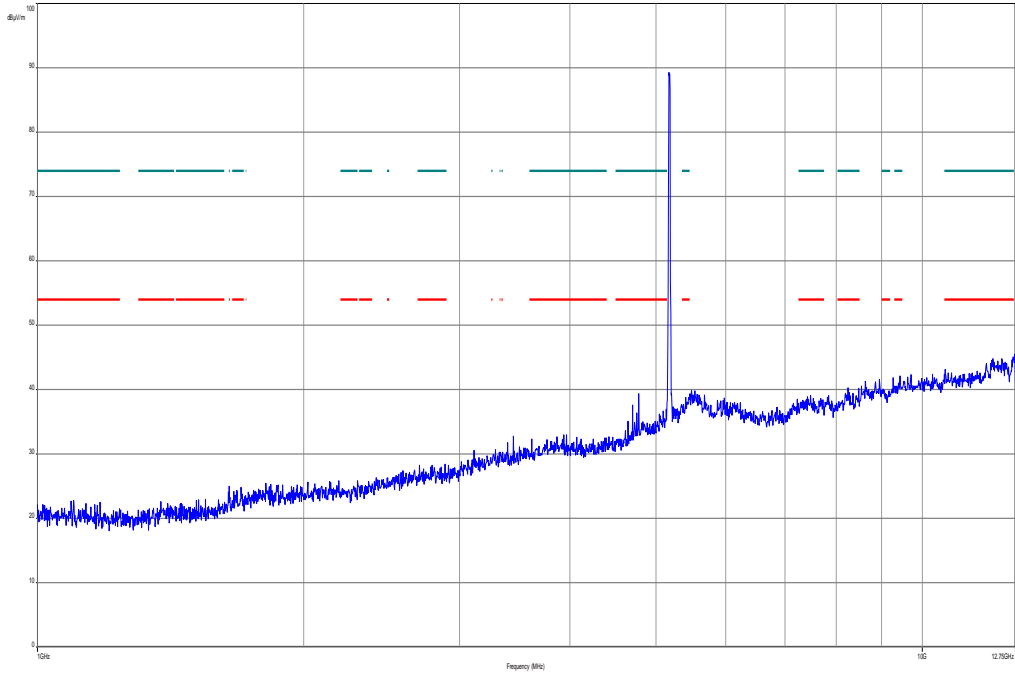
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



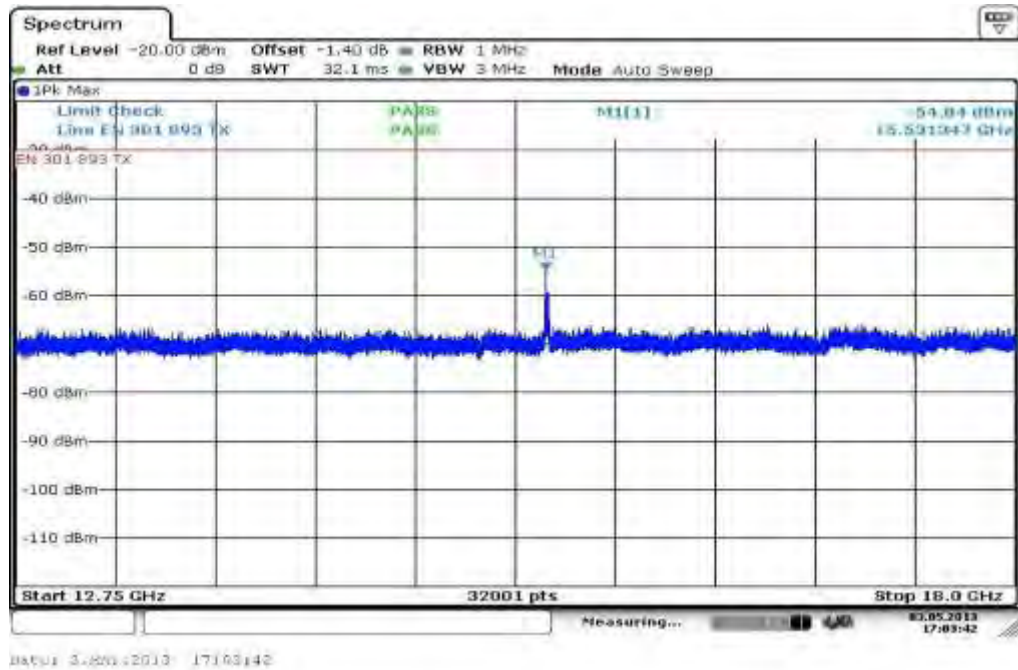
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
34.664850	10.0	1000.0	120.000	98.0	V	-10.0	13.0	20.0	30.0	
50.442600	10.7	1000.0	120.000	113.0	V	85.0	13.3	19.3	30.0	
72.468450	7.0	1000.0	120.000	170.0	V	93.0	9.2	23.0	30.0	
95.748150	8.1	1000.0	120.000	170.0	V	80.0	11.3	25.4	33.5	
717.381750	20.4	1000.0	120.000	170.0	H	261.0	22.9	15.6	36.0	
929.506350	22.5	1000.0	120.000	170.0	V	190.0	25.3	13.5	36.0	

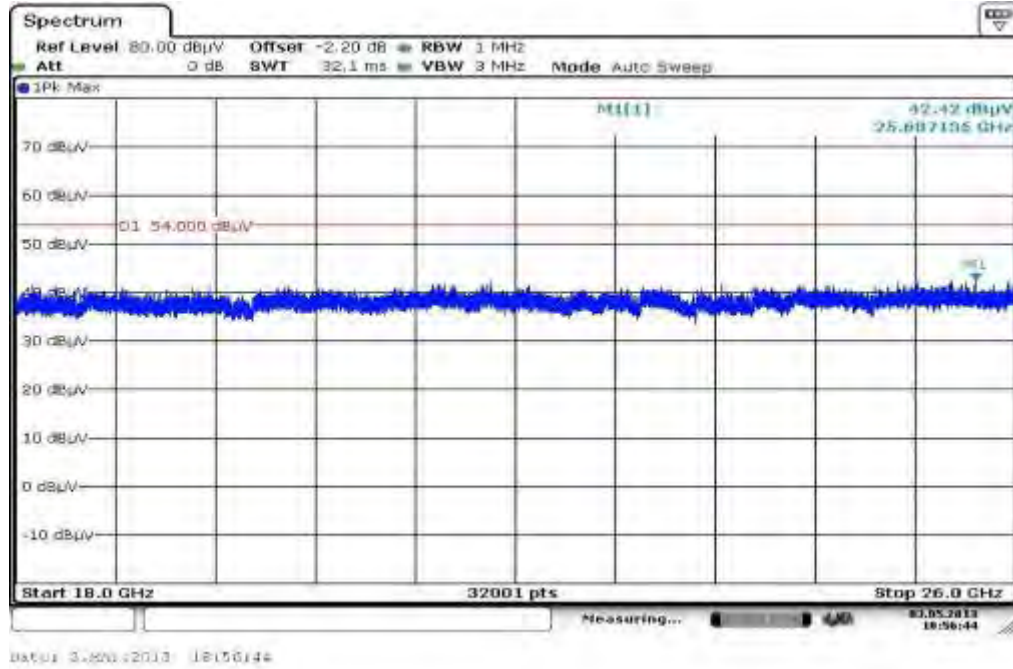
Plot 2: 1 GHz to 12.75 GHz, 5180 MHz, vertical & horizontal polarization



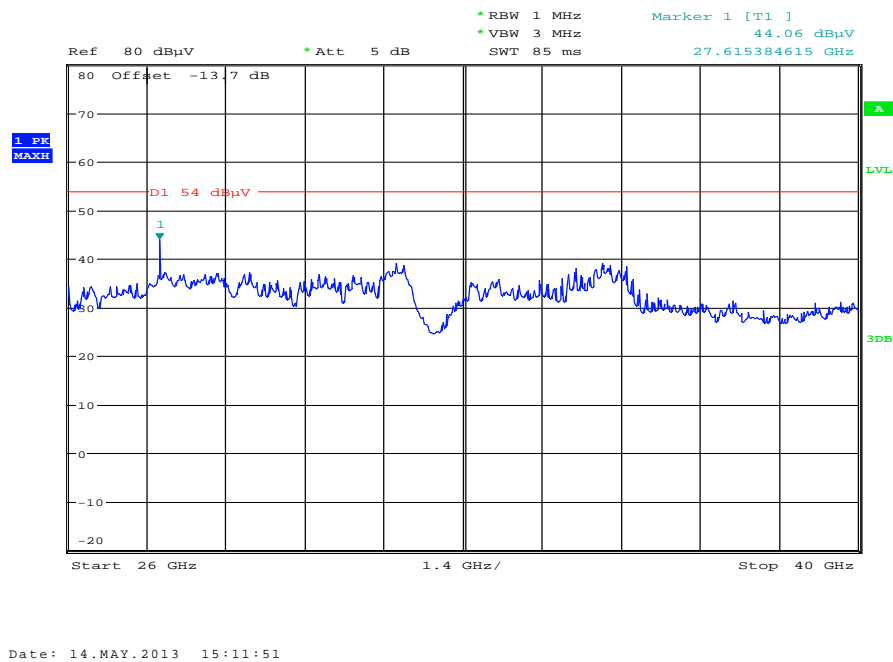
Plot 3: 12 GHz to 18 GHz, 5180 MHz, vertical & horizontal polarization



Plot 4: 18 GHz to 26 GHz, 5180 MHz, vertical & horizontal polarization



Plot 5: 26 GHz to 40 GHz, 5180 MHz, vertical & horizontal polarization



Plot 6: 30 MHz to 1 GHz, 5240 MHz, vertical & horizontal polarization

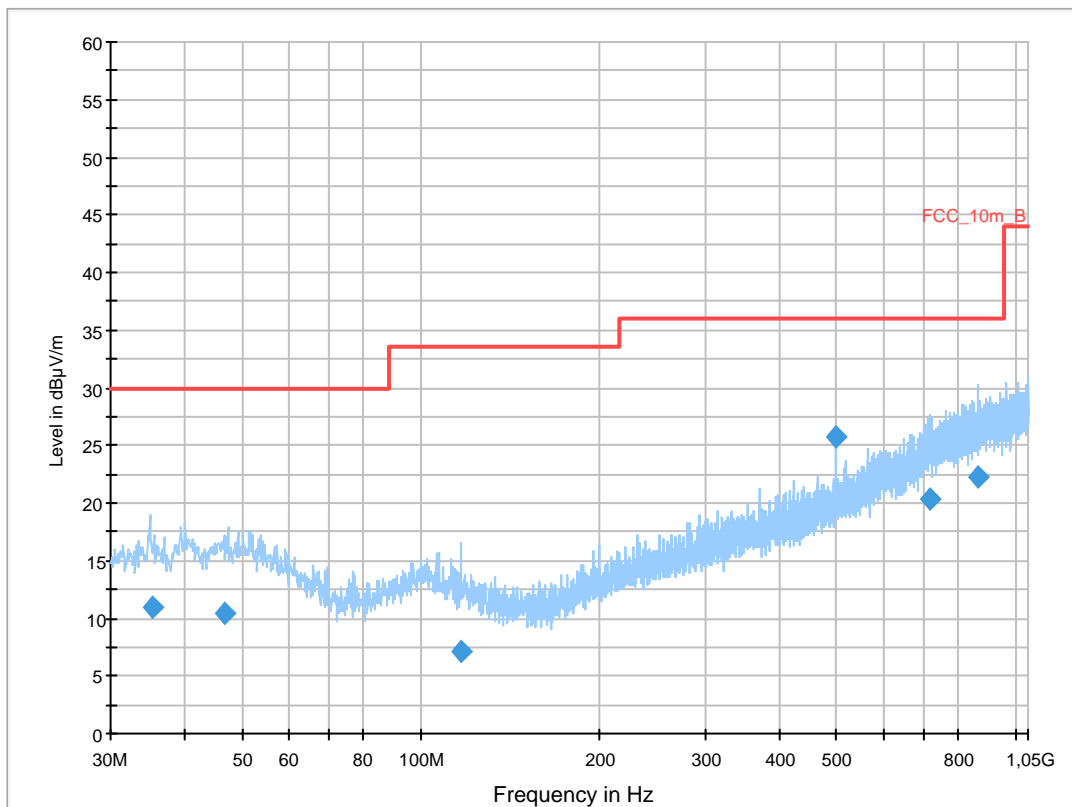
Common Information

EUT: WLANBV2-A + antenna 453564271931
 Serial Number: 008092 | 4DF244
 Test Description: FCC part 15 C class B
 Operating Conditions: WLAN a mode tx @ 5240 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

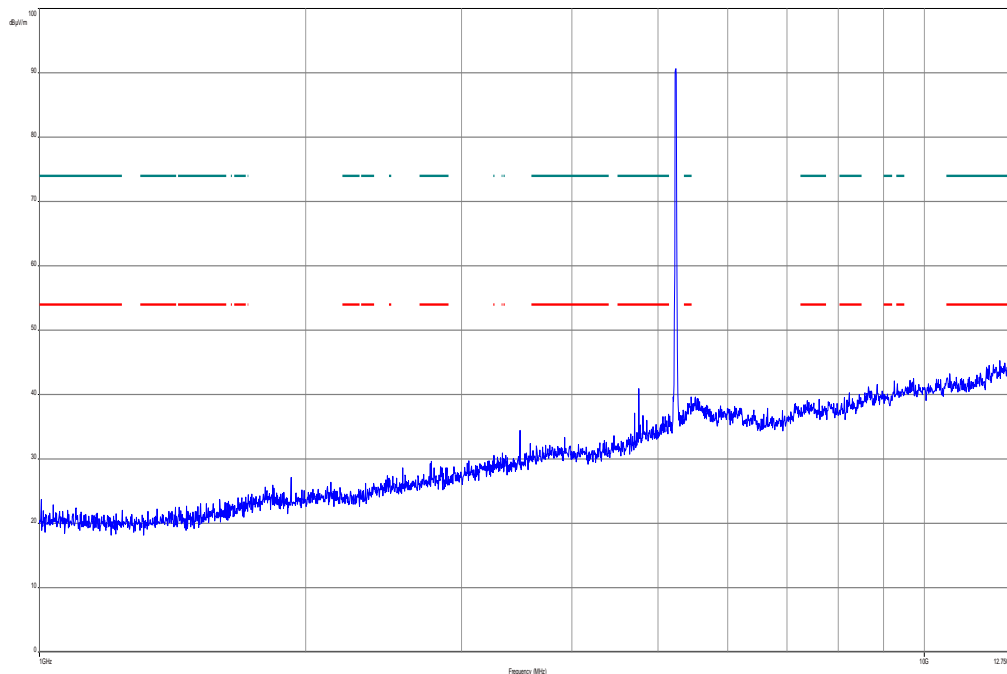
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



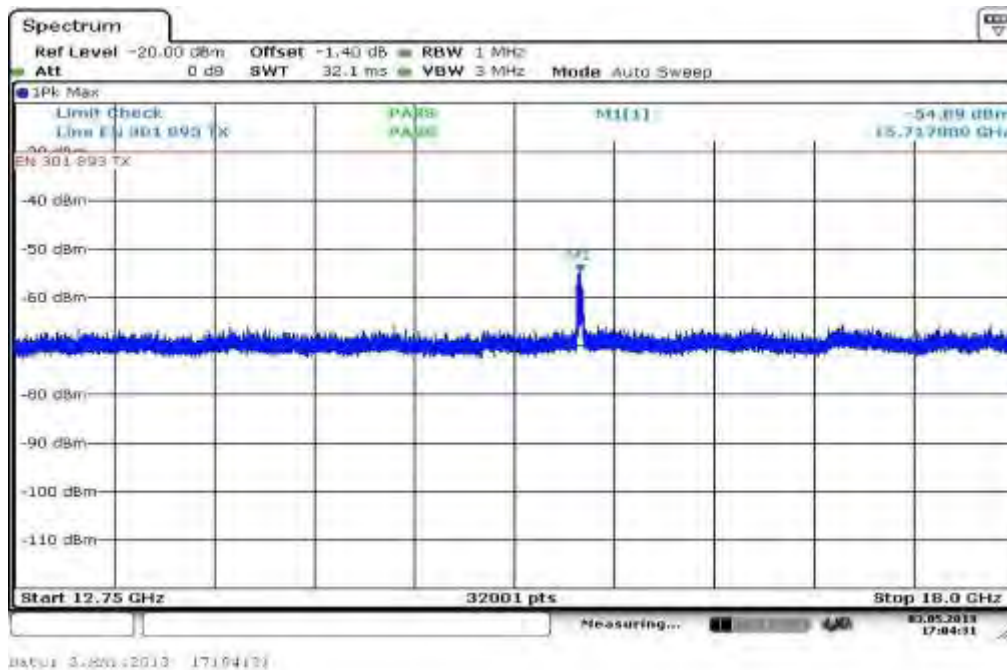
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
35.416650	11.0	1000.0	120.000	170.0	V	190.0	13.1	19.0	30.0	
46.786050	10.4	1000.0	120.000	170.0	V	280.0	13.3	19.6	30.0	
116.621850	7.2	1000.0	120.000	120.0	V	-5.0	10.5	26.3	33.5	
499.989600	25.7	1000.0	120.000	170.0	H	10.0	18.7	10.3	36.0	
715.874700	20.3	1000.0	120.000	170.0	V	268.0	22.9	15.7	36.0	
866.218950	22.2	1000.0	120.000	170.0	H	80.0	24.8	13.8	36.0	

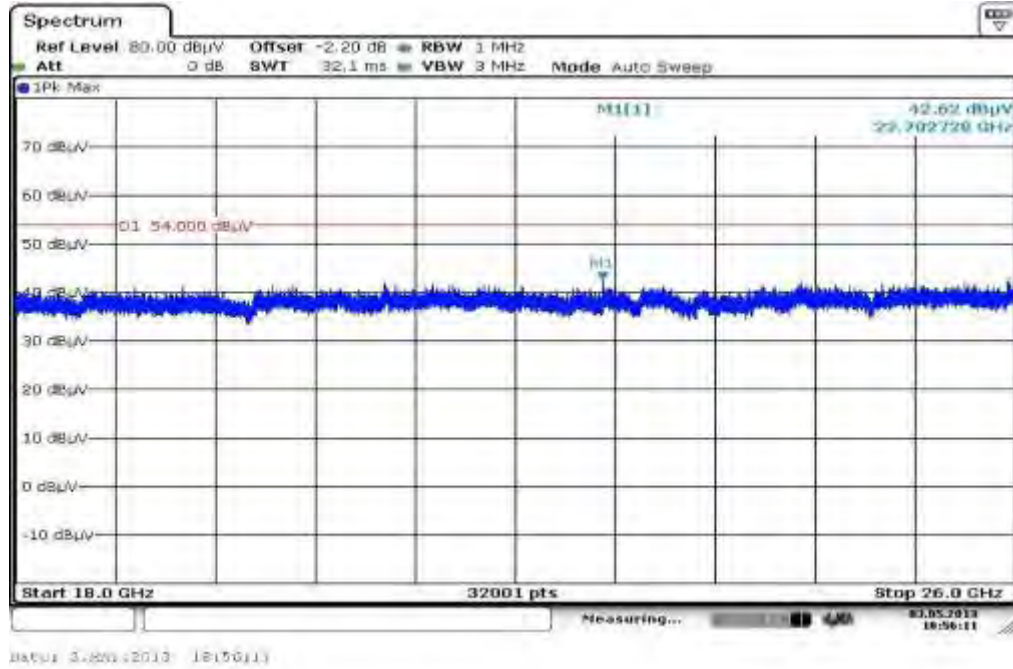
Plot 7: 1 GHz to 12.75 GHz, 5240 MHz, vertical & horizontal polarization



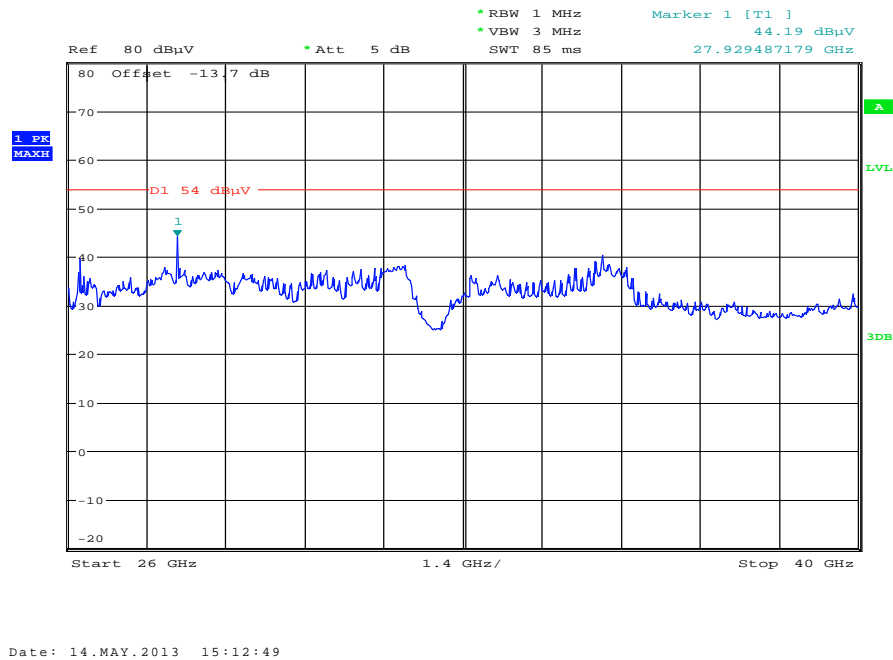
Plot 8: 12 GHz to 18 GHz, 5240 MHz, vertical & horizontal polarization



Plot 9: 18 GHz to 26 GHz, 5240 MHz, vertical & horizontal polarization



Plot 10: 26 GHz to 40 GHz, 5240 MHz, vertical & horizontal polarization



Plot 11: 30 MHz to 1 GHz, 5260 MHz, vertical & horizontal polarization

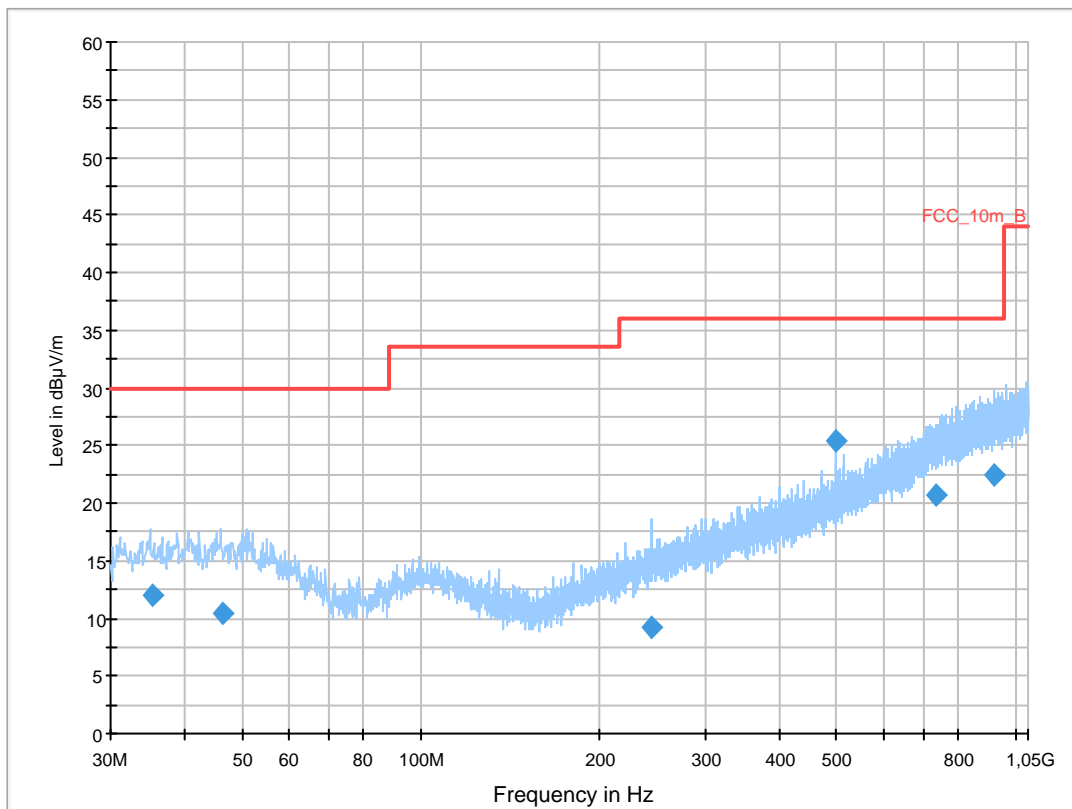
Common Information

EUT: WLANBV2-A + antenna 453564271931
 Serial Number: 008092 | 4DF244
 Test Description: FCC part 15 C class B
 Operating Conditions: cont. TX a-mode 5260MHz
 Operator Name: Hennemann
 Comment: DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

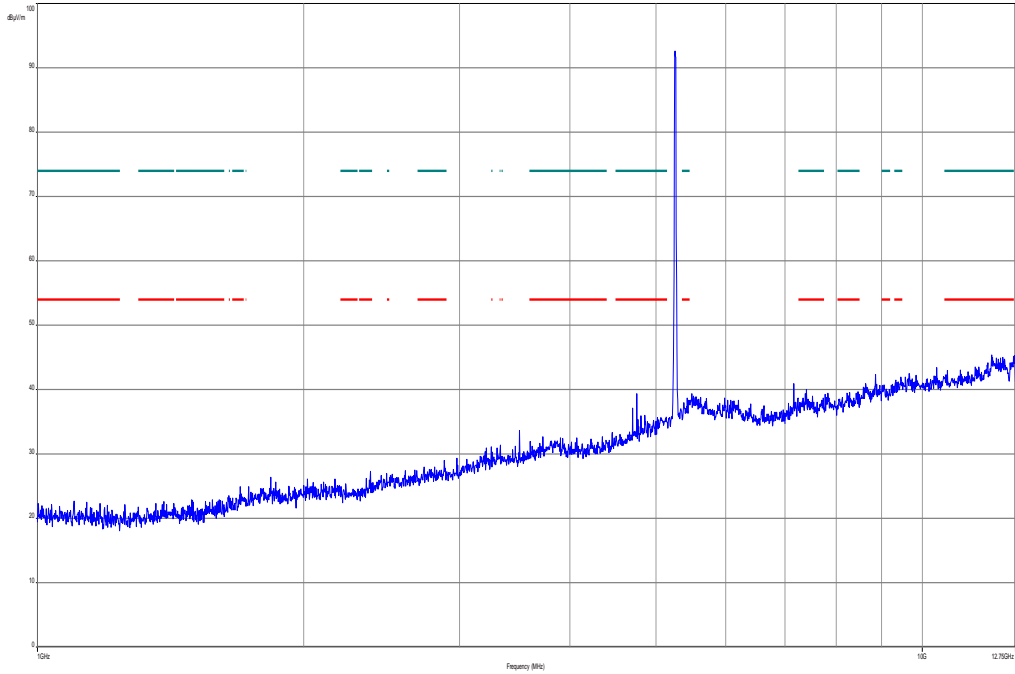
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



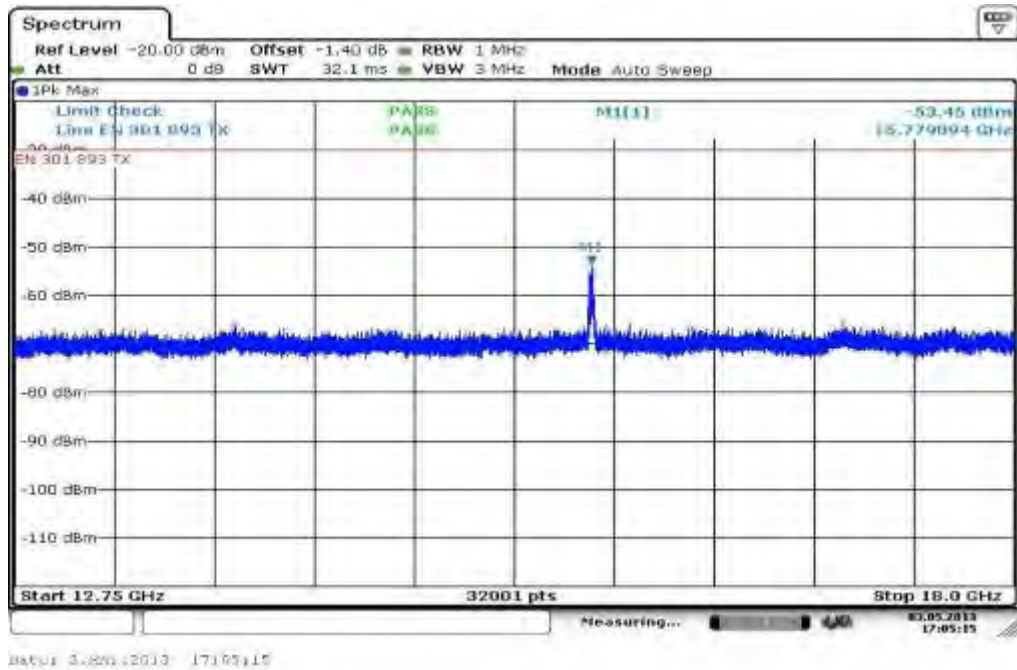
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
35.447400	12.0	1000.0	120.000	162.0	V	178.0	13.1	18.0	30.0	
46.213800	10.4	1000.0	120.000	170.0	H	273.0	13.3	19.6	30.0	
243.523650	9.1	1000.0	120.000	170.0	V	182.0	13.1	26.9	36.0	
500.018100	25.5	1000.0	120.000	170.0	H	10.0	18.7	10.5	36.0	
733.879500	20.7	1000.0	120.000	170.0	V	100.0	23.3	15.3	36.0	
918.240600	22.5	1000.0	120.000	98.0	V	280.0	25.3	13.5	36.0	

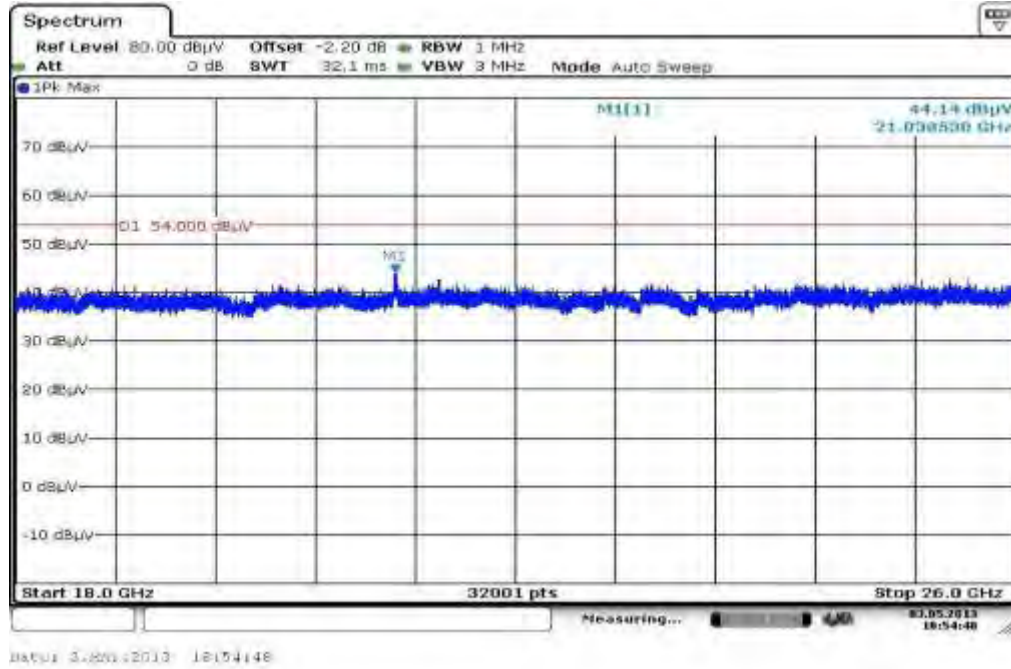
Plot 12: 1 GHz to 12.75 GHz, 5260 MHz, vertical & horizontal polarization



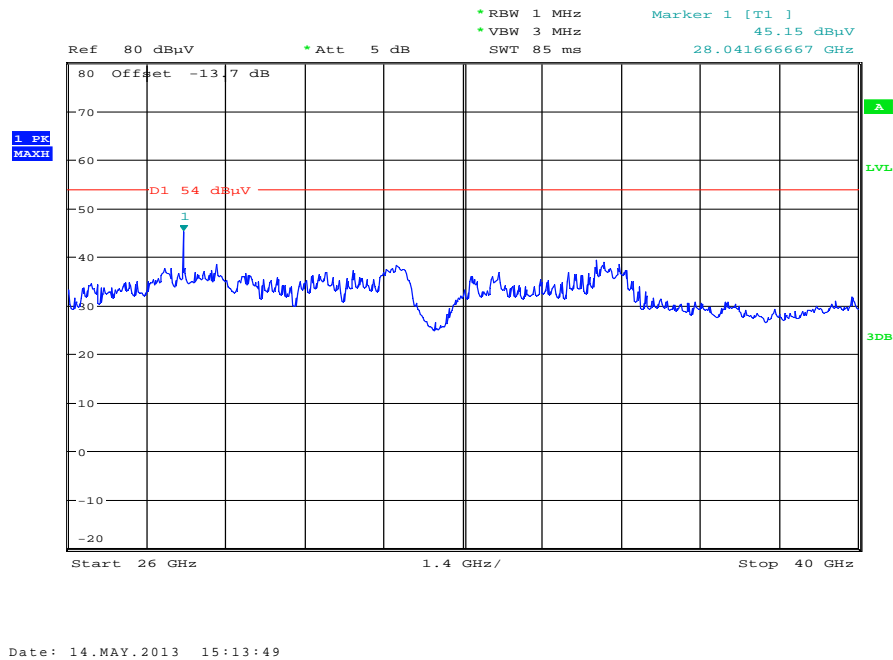
Plot 13: 12 GHz to 18 GHz, 5260 MHz, vertical & horizontal polarization



Plot 14: 18 GHz to 26 GHz, 5260 MHz, vertical & horizontal polarization



Plot 15: 26 GHz to 40 GHz, 5260 MHz, vertical & horizontal polarization



Plot 16: 30 MHz to 1 GHz, 5320 MHz, vertical & horizontal polarization

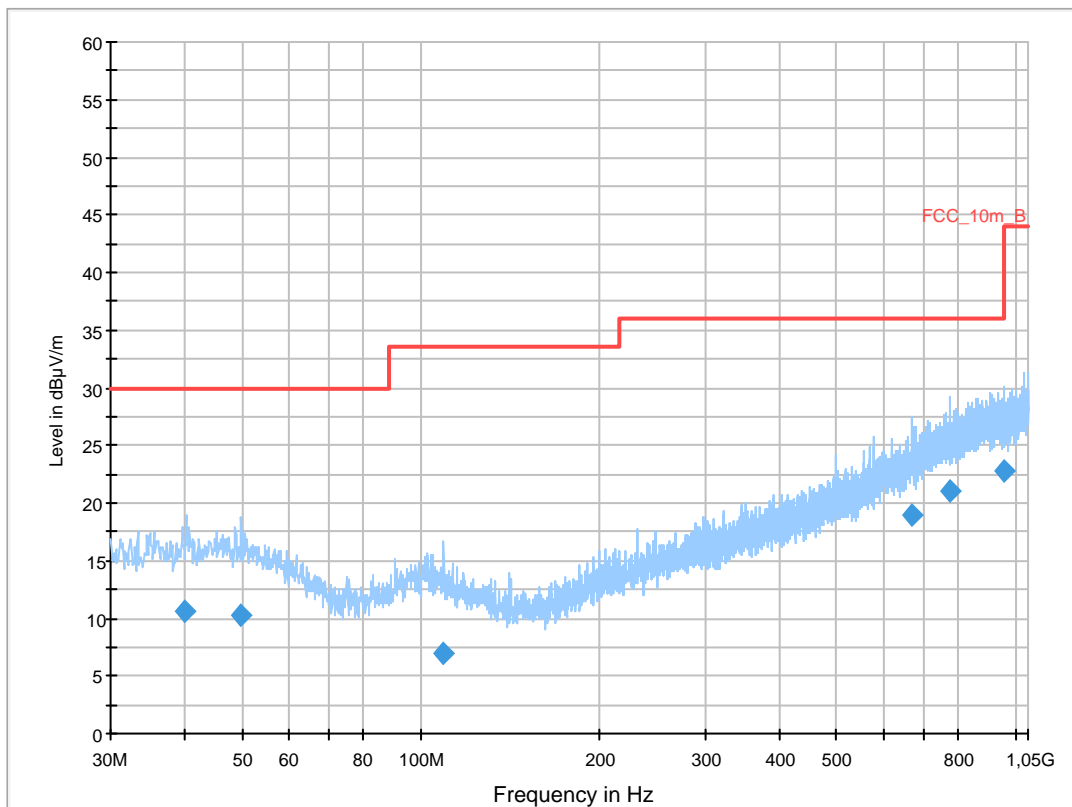
Common Information

EUT: WLANBV2-A + antenna 453564271931
 Serial Number: 008092 | 4DF244
 Test Description: FCC part 15 C class B
 Operating Conditions: cont. TX a-mode 5320MHz
 Operator Name: Hennemann
 Comment: DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

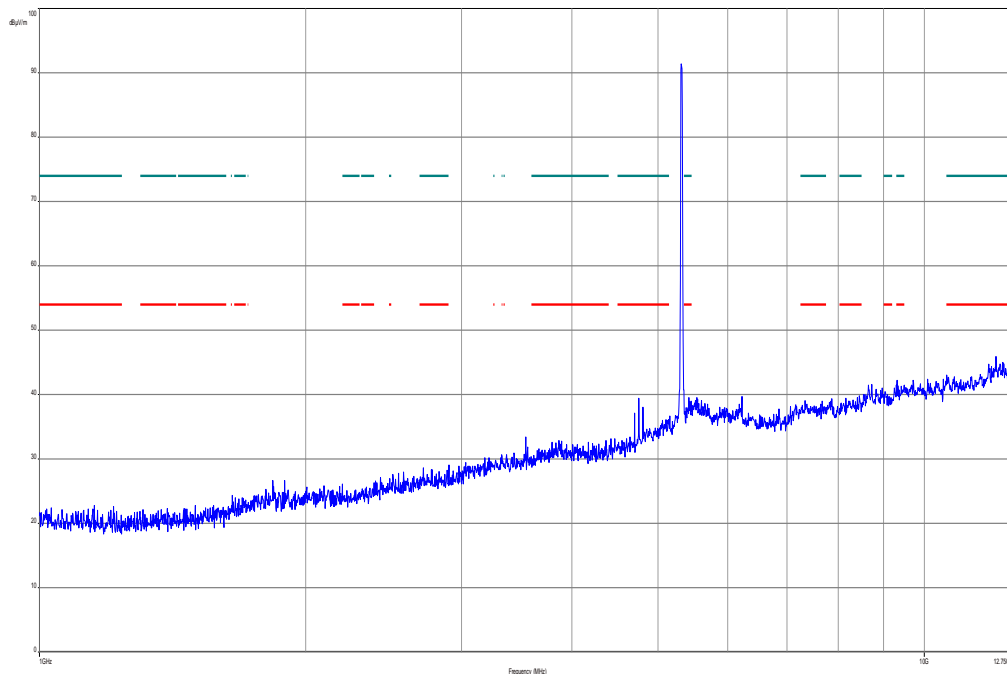
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



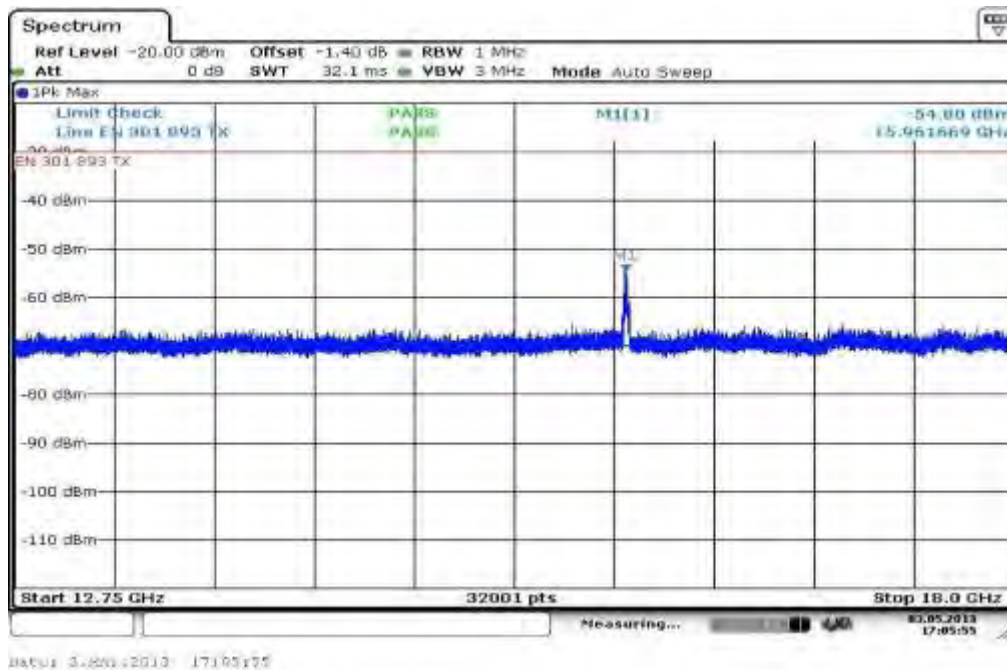
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
40.025100	10.6	1000.0	120.000	122.0	H	100.0	13.4	19.4	30.0	
49.513200	10.3	1000.0	120.000	104.0	V	-2.0	13.4	19.7	30.0	
109.207350	7.0	1000.0	120.000	170.0	V	170.0	11.1	26.5	33.5	
667.771200	19.0	1000.0	120.000	170.0	H	280.0	21.6	17.0	36.0	
775.106100	21.0	1000.0	120.000	170.0	H	280.0	23.7	15.0	36.0	
955.047150	22.7	1000.0	120.000	98.0	H	100.0	25.4	13.3	36.0	

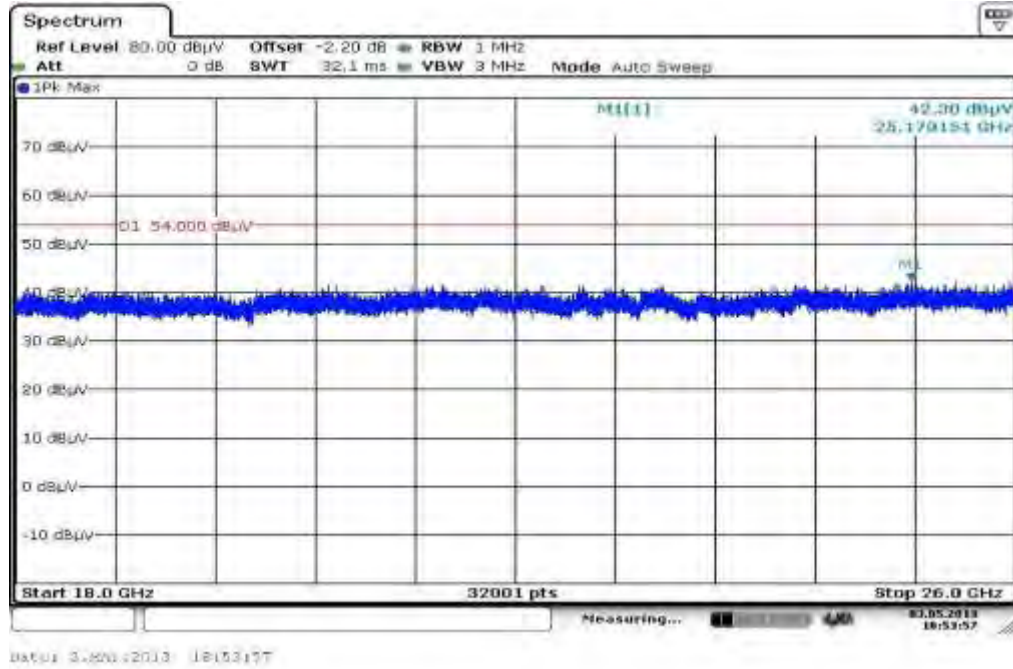
Plot 17: 1 GHz to 12.75 GHz, 5320 MHz, vertical & horizontal polarization



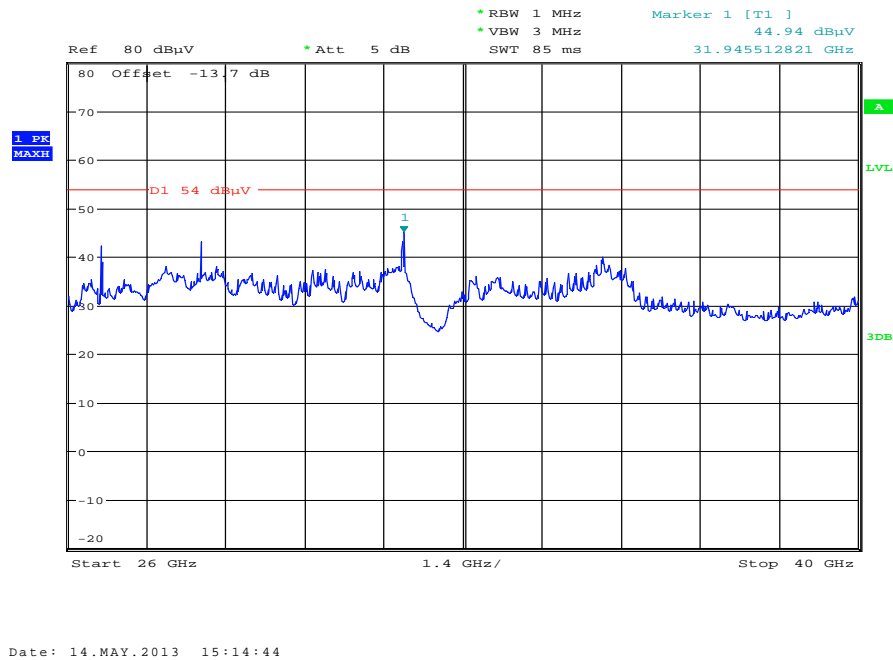
Plot 18: 12 GHz to 18 GHz, 5320 MHz, vertical & horizontal polarization



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

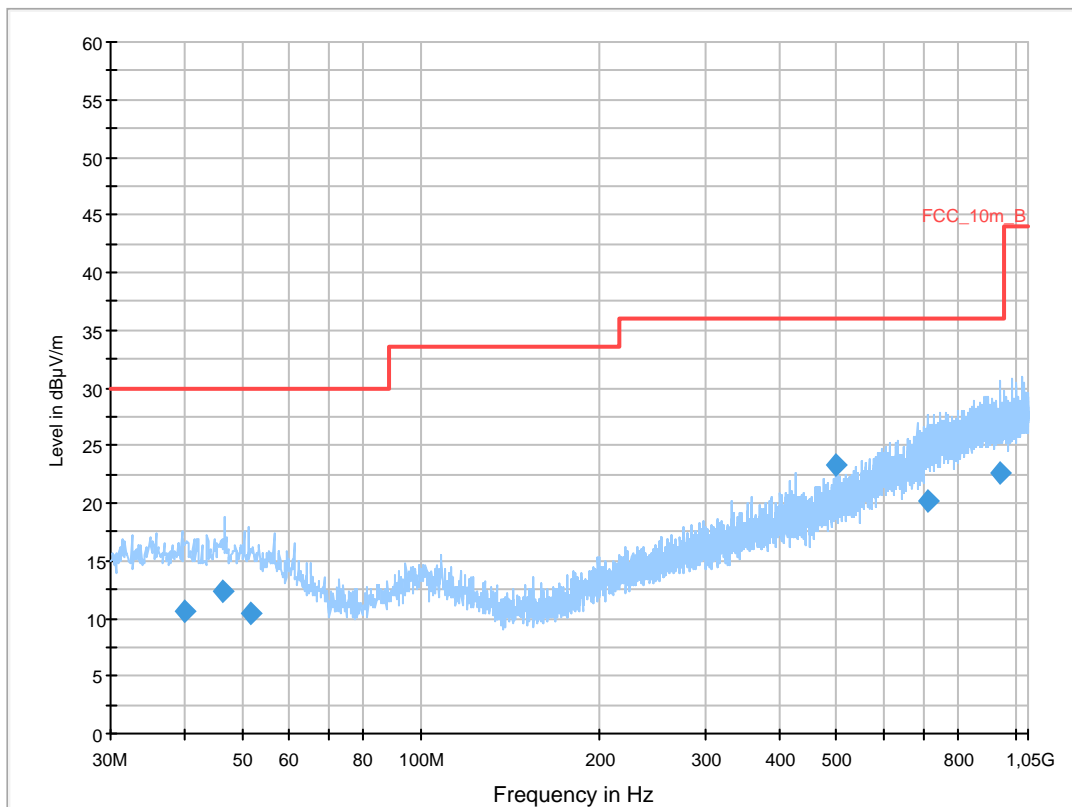
Common Information

EUT: WLANBV2-A + antenna 453564271931
 Serial Number: 008092
 Test Description: FCC part 15 C class B
 Operating Conditions: WLAN a mode tx @ 5500 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

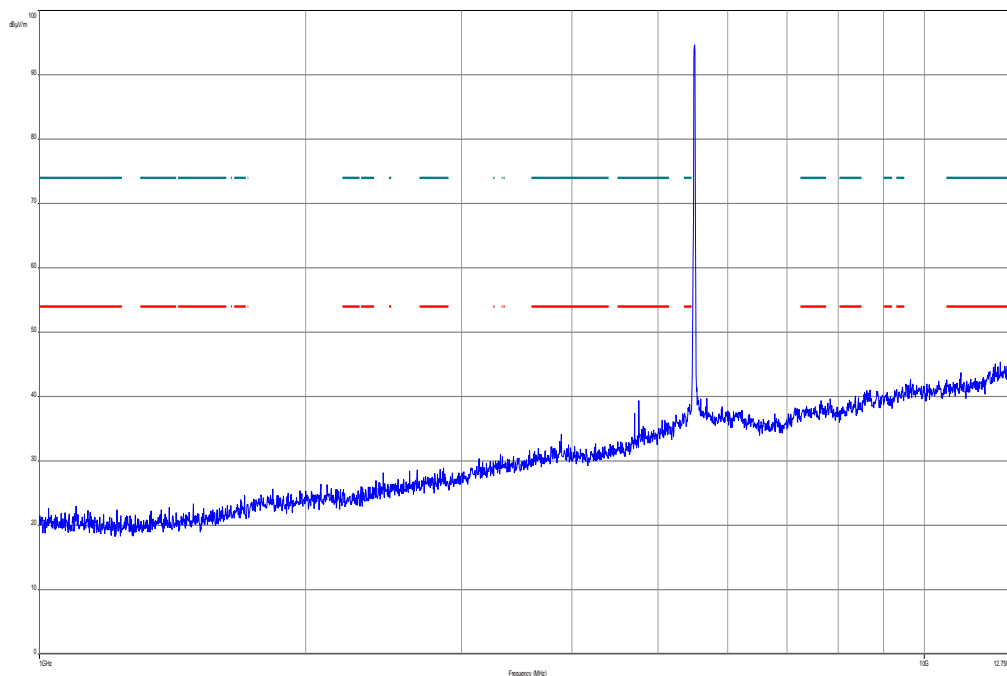
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



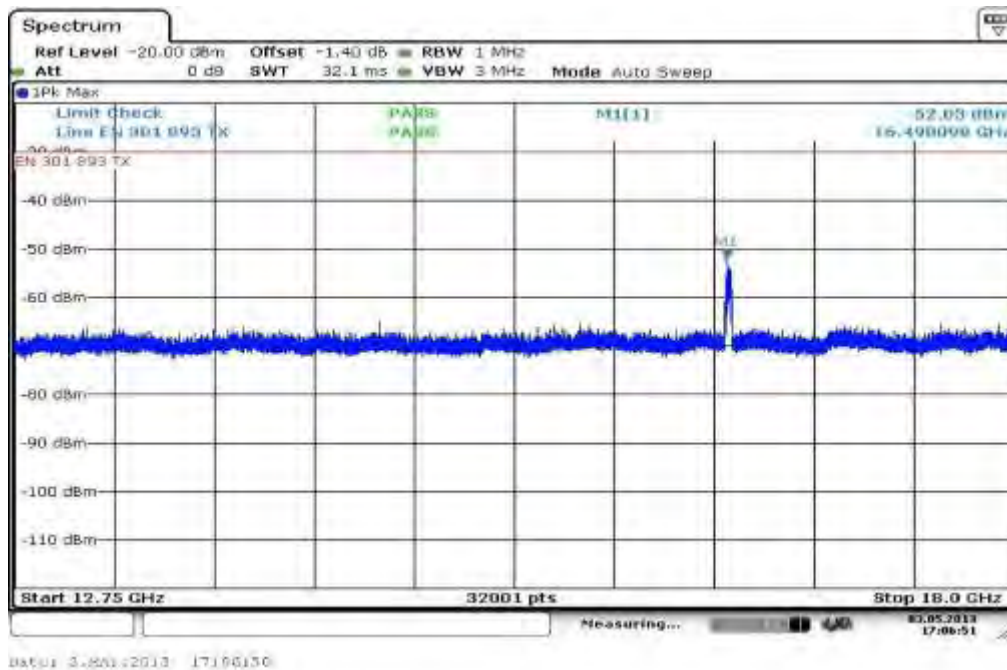
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
39.876300	10.6	1000.0	120.000	105.0	V	10.0	13.4	19.4	30.0	
46.455450	12.3	1000.0	120.000	98.0	V	10.0	13.3	17.7	30.0	
51.672750	10.5	1000.0	120.000	122.0	V	85.0	13.2	19.5	30.0	
499.980450	23.3	1000.0	120.000	98.0	V	280.0	18.7	12.7	36.0	
713.704500	20.2	1000.0	120.000	98.0	V	171.0	22.8	15.8	36.0	
940.446600	22.5	1000.0	120.000	170.0	H	183.0	25.3	13.5	36.0	

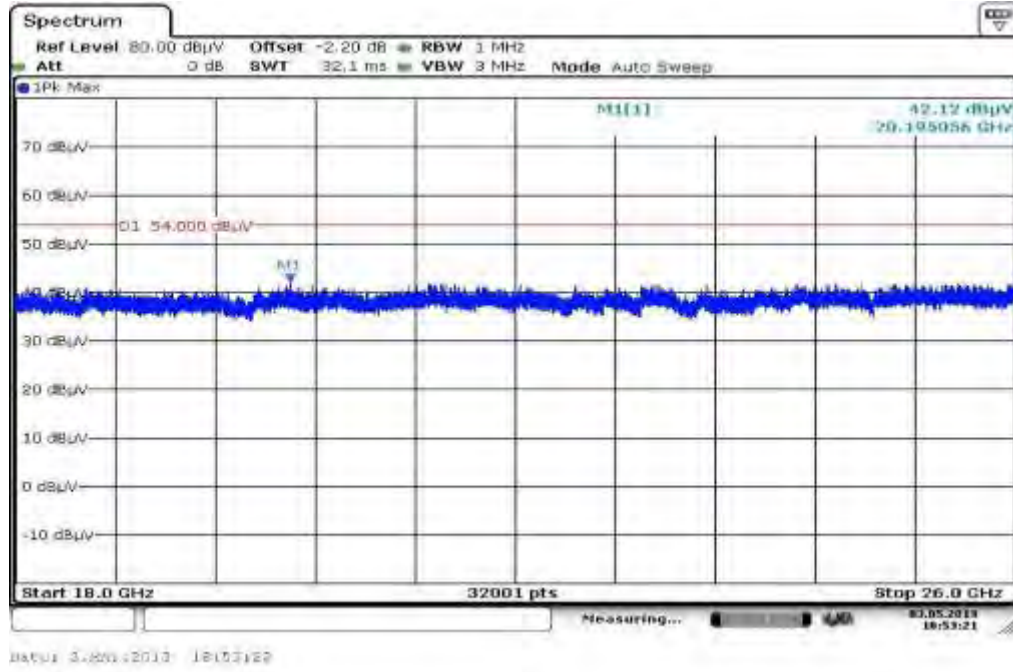
Plot 22: 1 GHz to 12.75 GHz, 5500 MHz, vertical & horizontal polarization



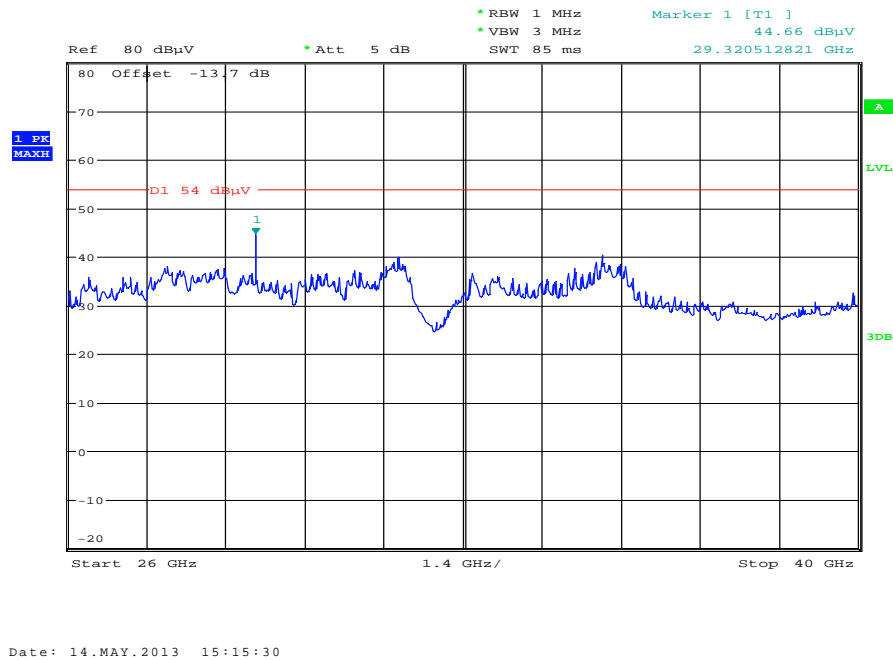
Plot 23: 12 GHz to 18 GHz, 5500 MHz, vertical & horizontal polarization



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

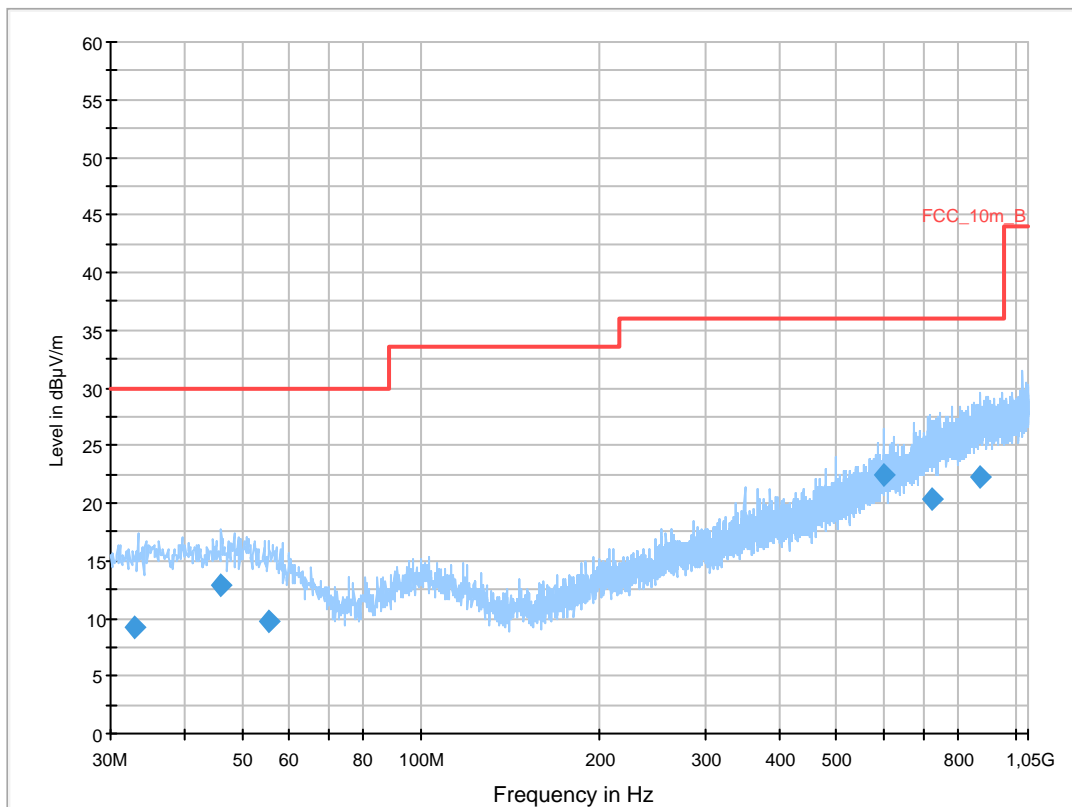
Common Information

EUT: WLANBV2-A + antenna 453564271931
 Serial Number: 008092
 Test Description: FCC part 15 C class B
 Operating Conditions: WLAN a mode tx @ 5600 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

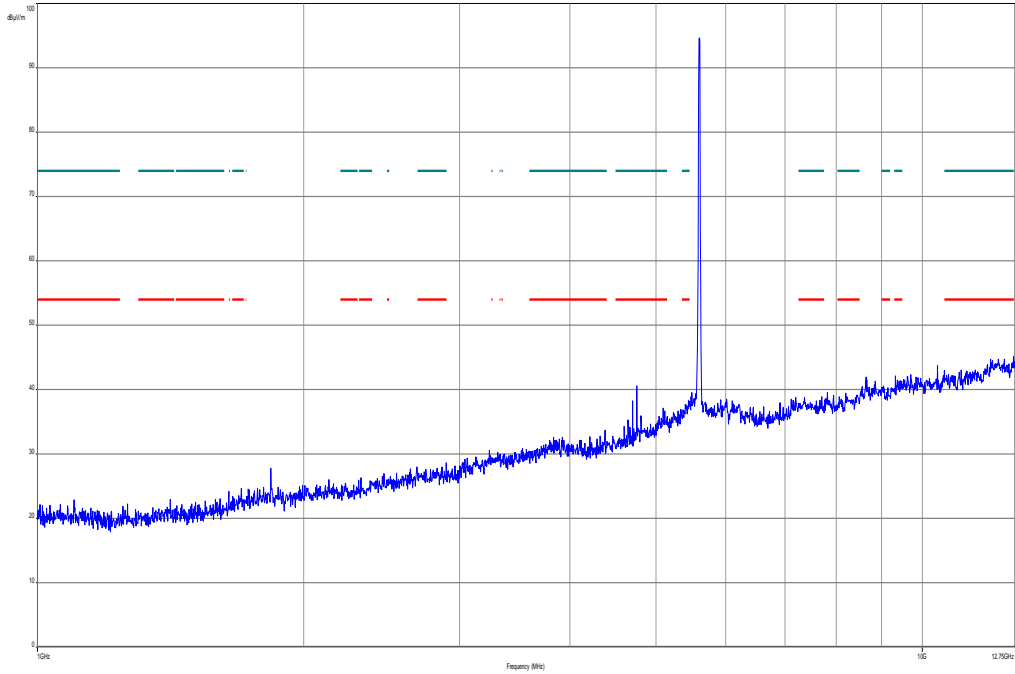
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



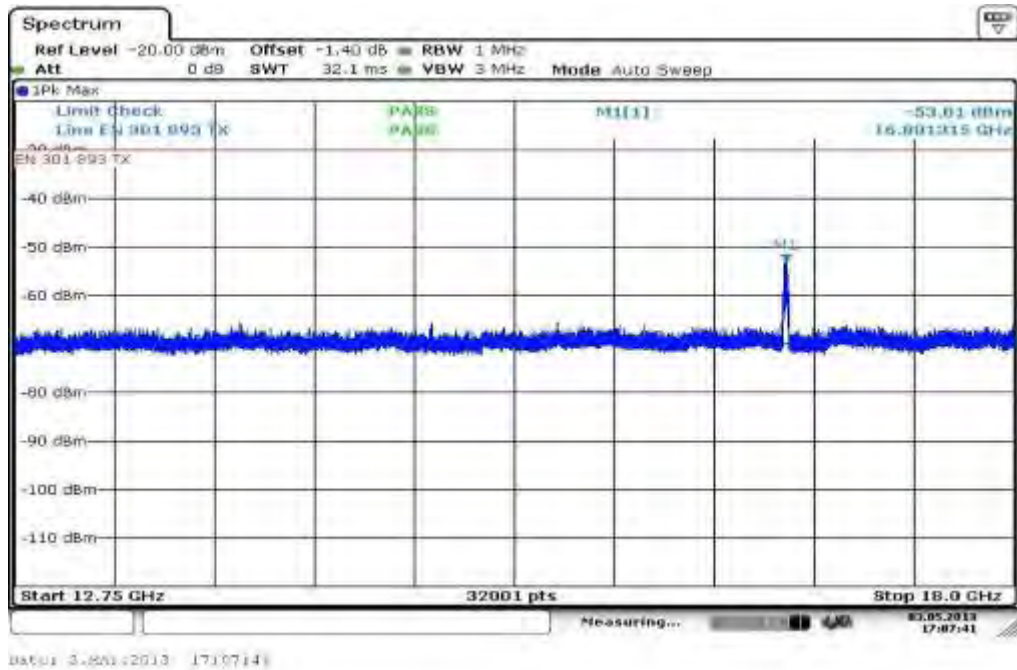
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
33.041700	9.3	1000.0	120.000	170.0	V	170.0	12.8	20.7	30.0	
46.084650	12.9	1000.0	120.000	112.0	V	280.0	13.3	17.1	30.0	
55.252200	9.7	1000.0	120.000	113.0	V	-5.0	12.8	20.3	30.0	
599.991150	22.5	1000.0	120.000	170.0	H	10.0	20.8	13.5	36.0	
720.625650	20.3	1000.0	120.000	170.0	H	190.0	23.0	15.7	36.0	
868.900650	22.3	1000.0	120.000	170.0	H	10.0	24.8	13.7	36.0	

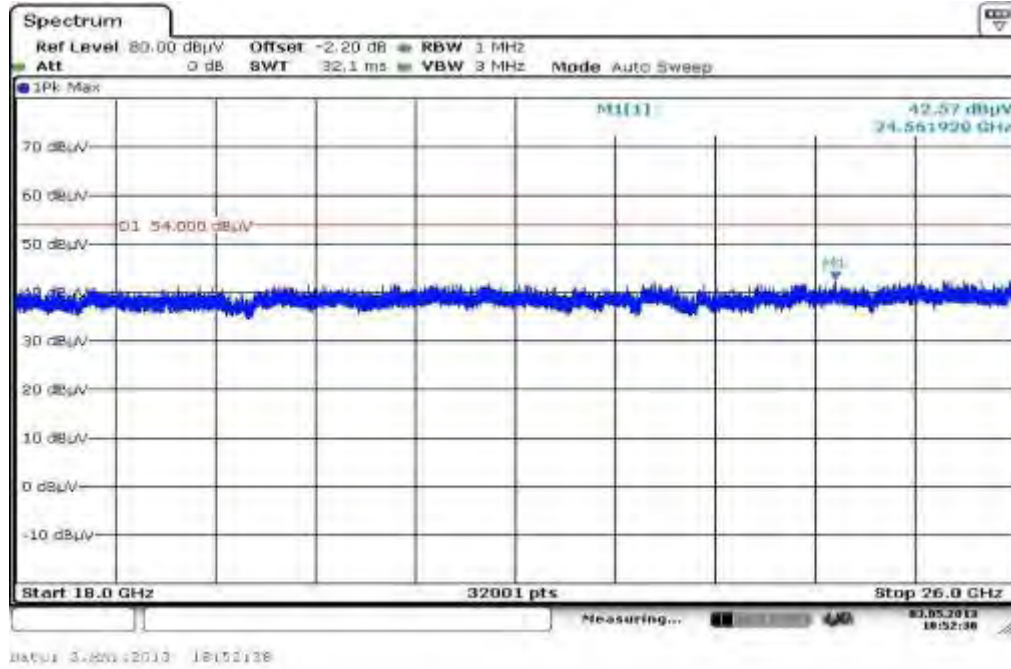
Plot 27: 1 GHz to 12.75 GHz, 5600 MHz, vertical & horizontal polarization



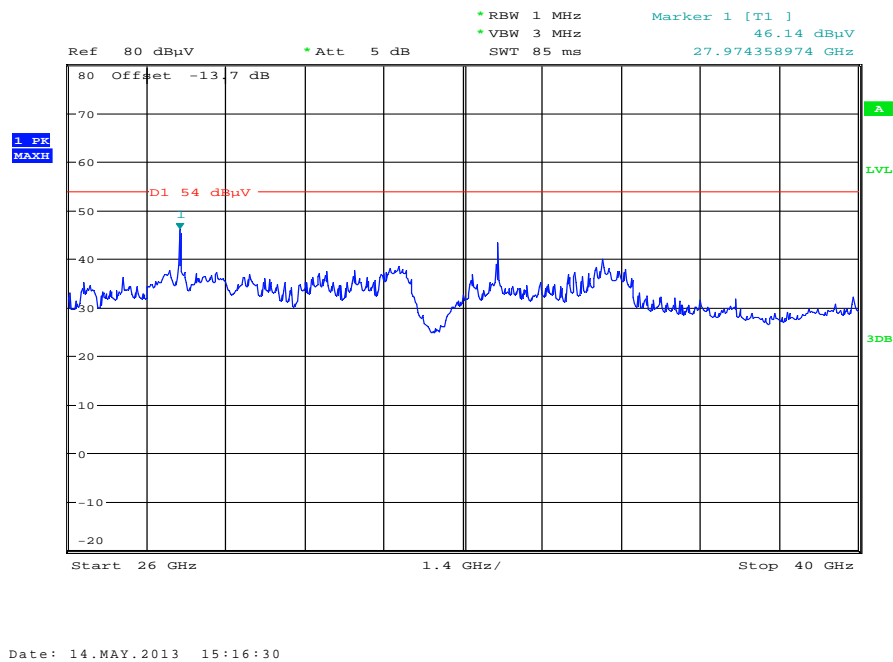
Plot 28: 12 GHz to 18 GHz, 5600 MHz, vertical & horizontal polarization



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

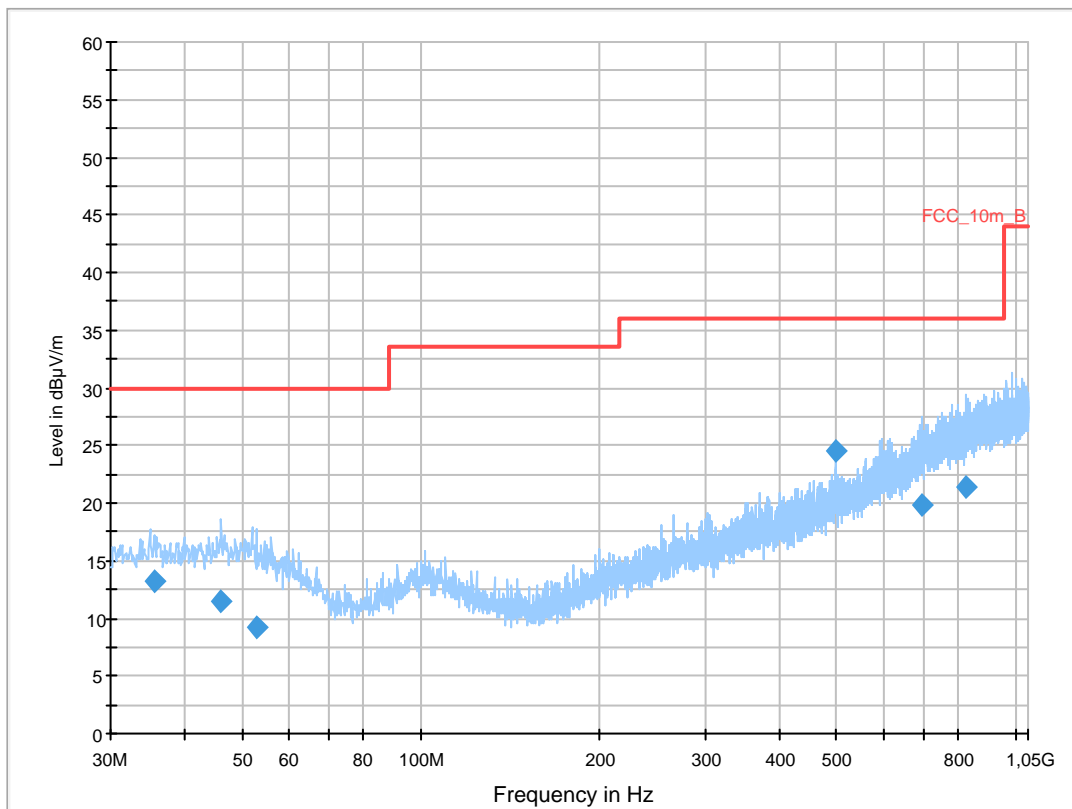
Common Information

EUT: WLANBV2-A + antenna 453564271931
 Serial Number: 008092
 Test Description: FCC part 15 C class B
 Operating Conditions: WLAN a mode tx @ 5700 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

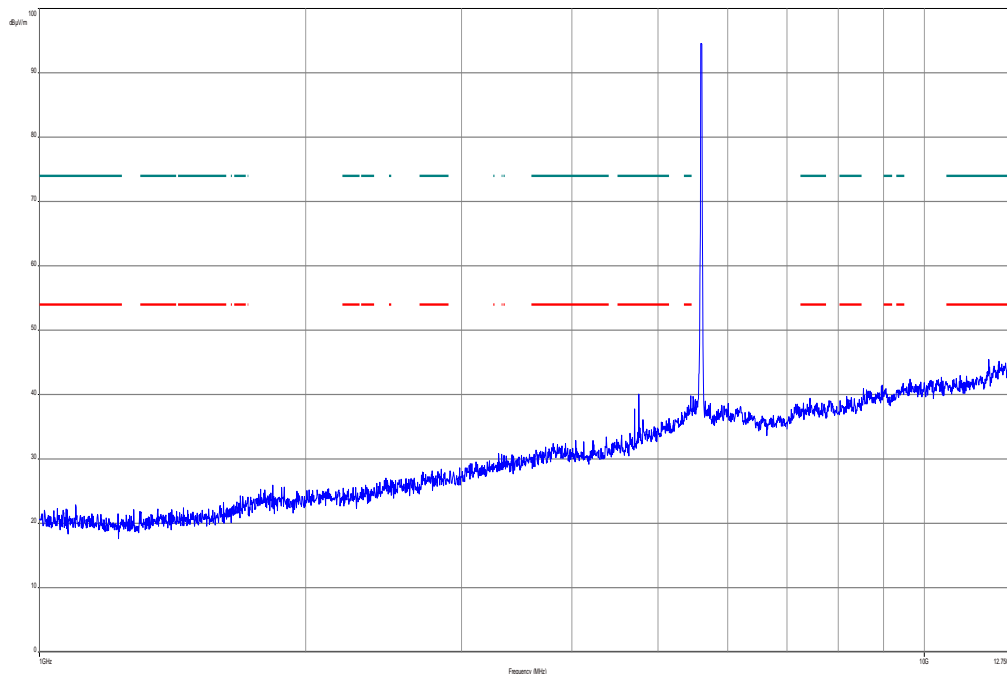
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



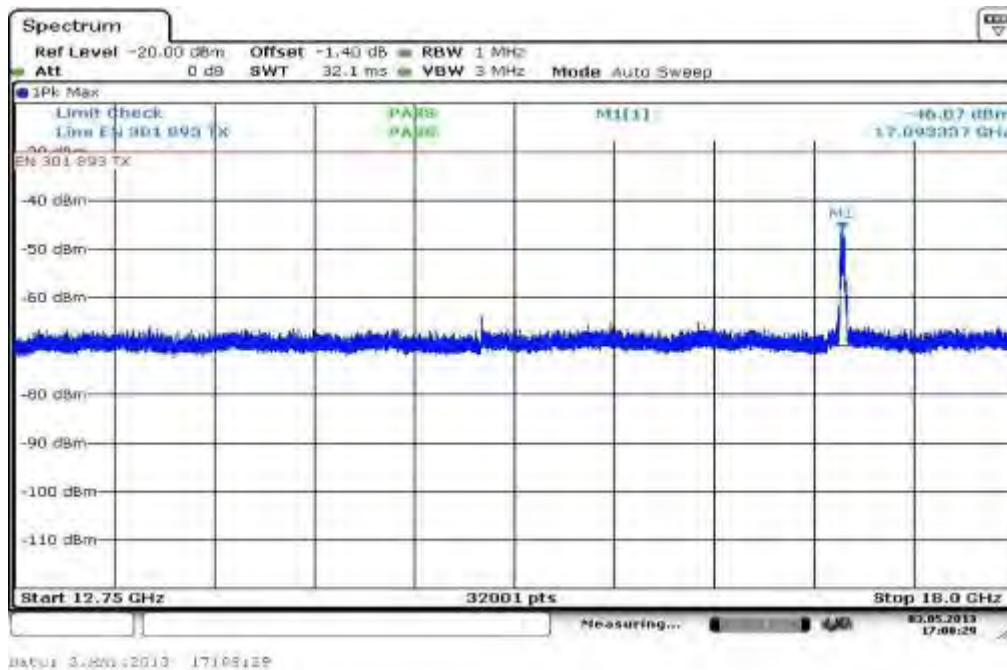
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
35.473350	13.2	1000.0	120.000	110.0	V	190.0	13.1	16.8	30.0	
45.874200	11.5	1000.0	120.000	170.0	V	280.0	13.3	18.5	30.0	
53.007300	9.1	1000.0	120.000	170.0	H	88.0	13.1	20.9	30.0	
499.998300	24.5	1000.0	120.000	98.0	V	-2.0	18.7	11.6	36.0	
698.188350	19.9	1000.0	120.000	98.0	H	0.0	22.5	16.1	36.0	
822.648450	21.4	1000.0	120.000	170.0	H	10.0	24.1	14.6	36.0	

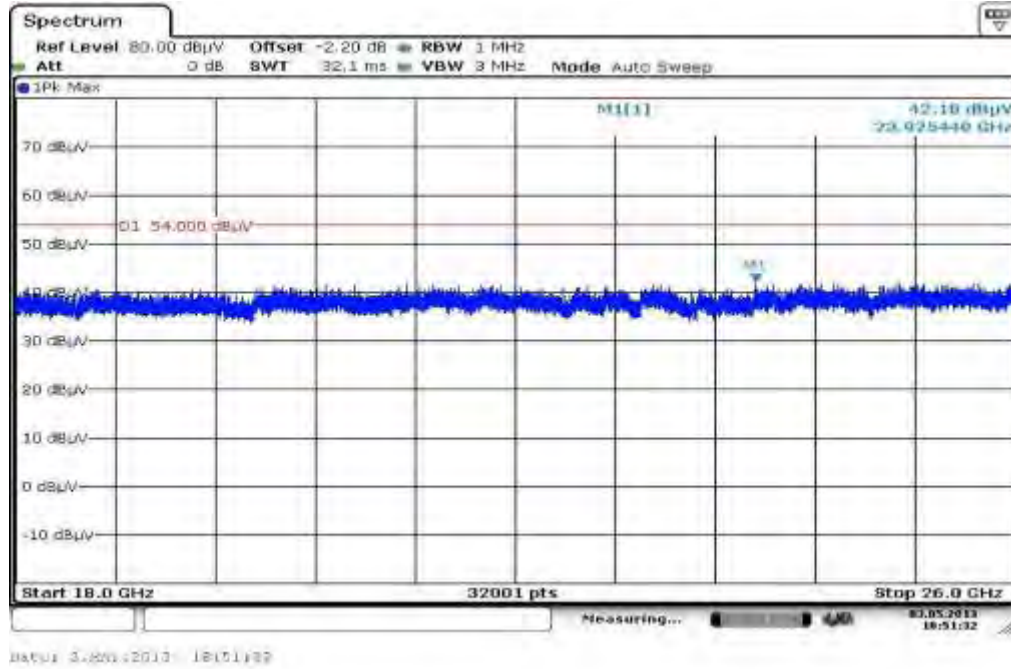
Plot 32: 1 GHz to 12.75 GHz, 5700 MHz, vertical & horizontal polarization



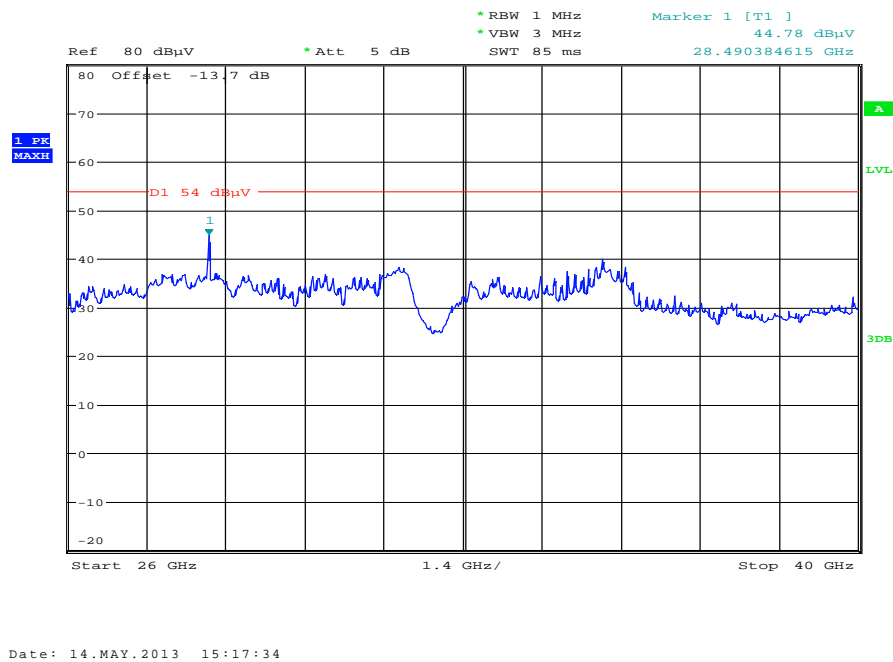
Plot 33: 12 GHz to 18 GHz, 5700 MHz, vertical & horizontal polarization



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 HT20

Plot 1: 30 MHz to 1 GHz, 5180 MHz, vertical & horizontal polarization

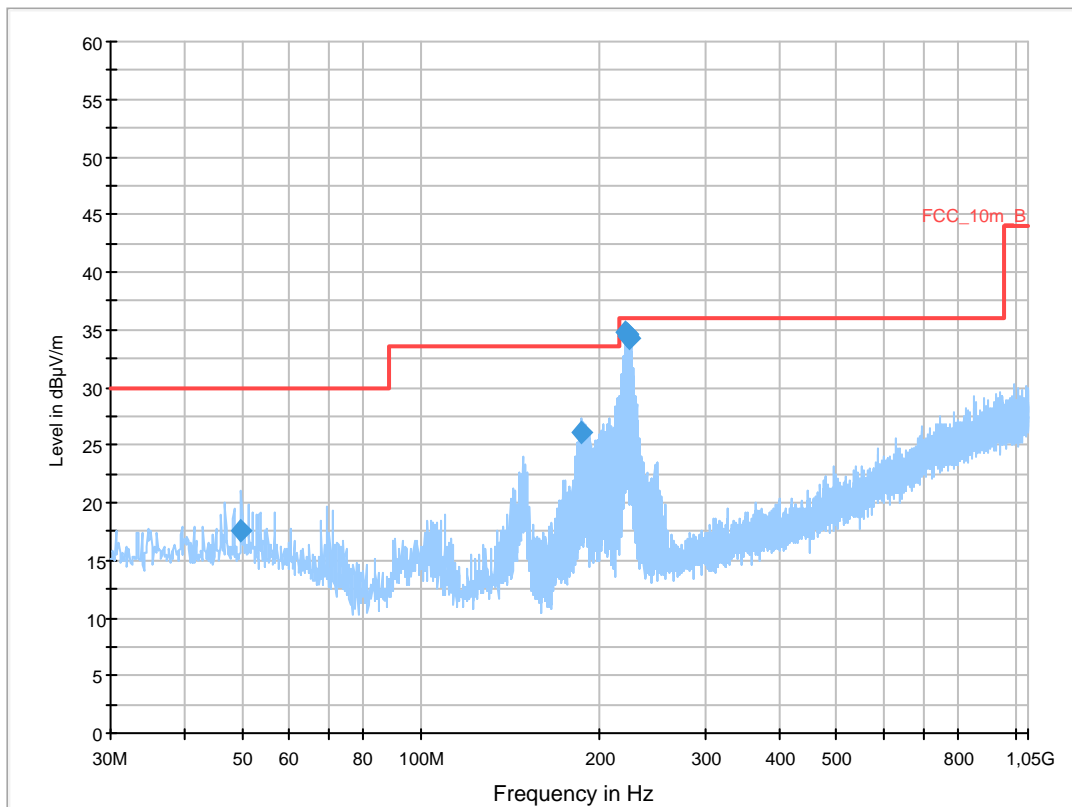
Common Information

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 ch36
 Operator Name: Wolsdorfer
 Comment: DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

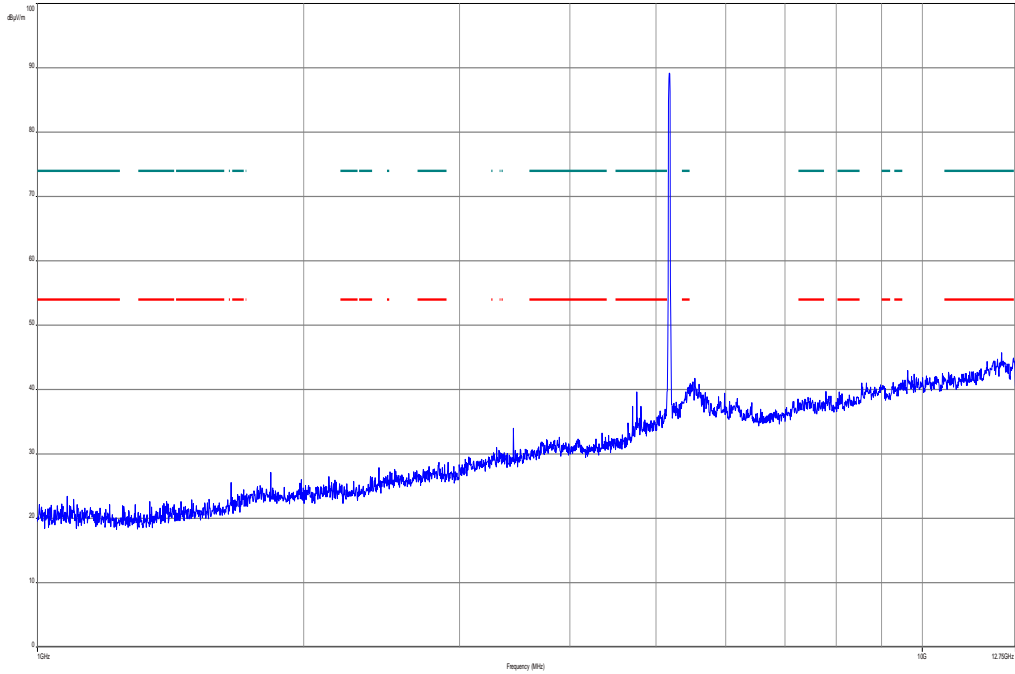
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



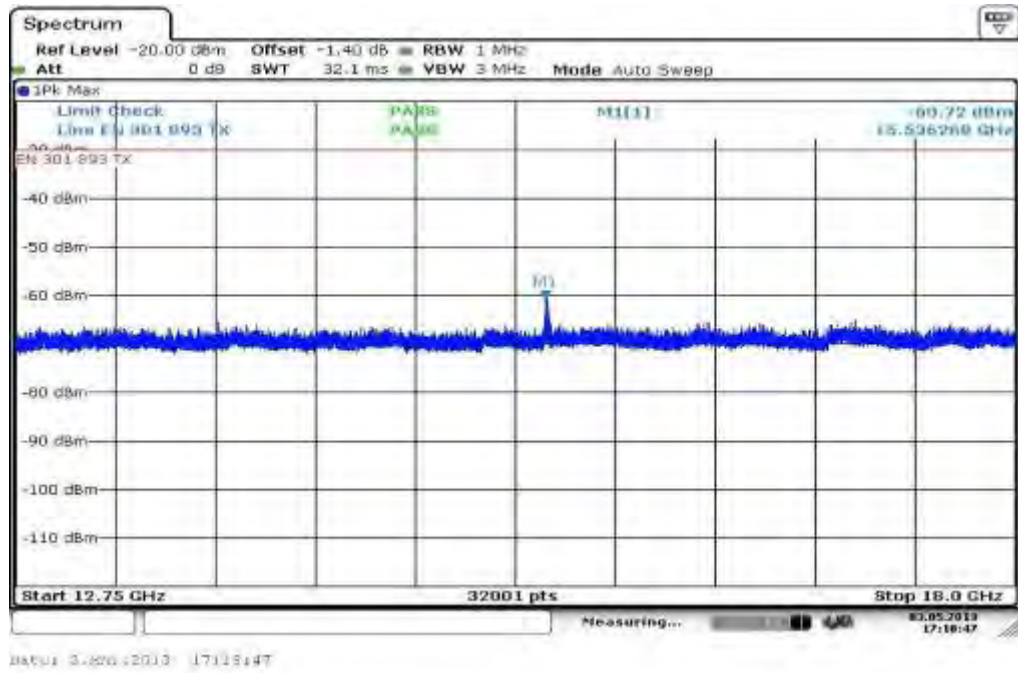
Final Result 1

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

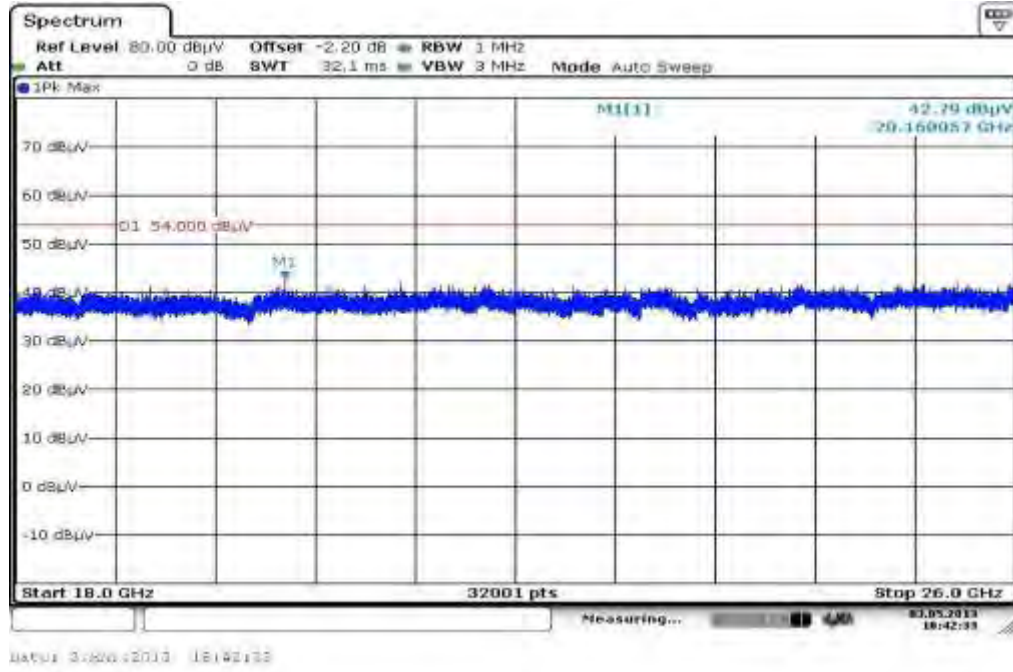
Plot 2: 1 GHz to 12.75 GHz, 5180 MHz, vertical & horizontal polarization



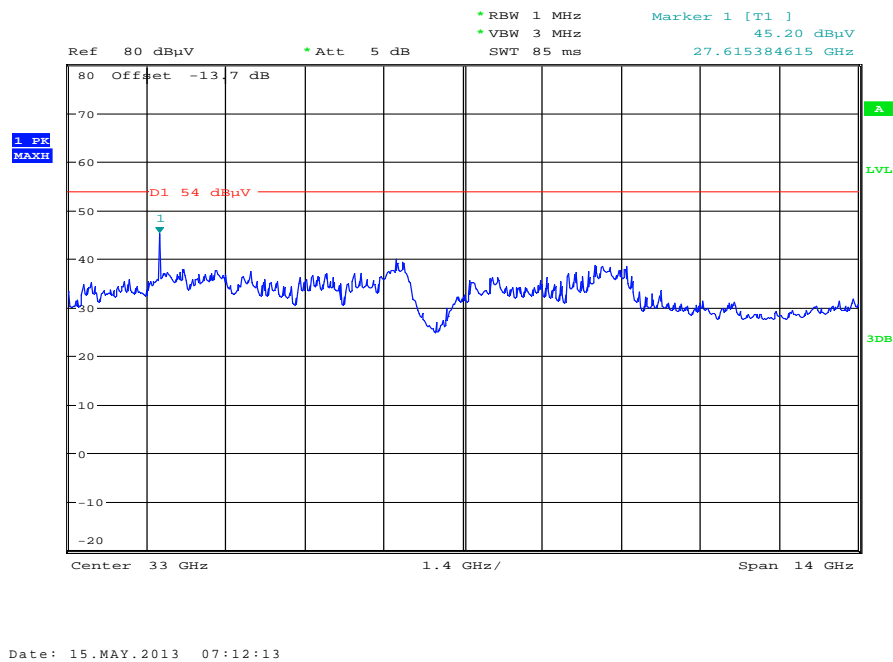
Plot 3: 12 GHz to 18 GHz, 5180 MHz, vertical & horizontal polarization



Plot 4: 18 GHz to 26 GHz, 5180 MHz, vertical & horizontal polarization



Plot 5: 26 GHz to 40 GHz, 5180 MHz, vertical & horizontal polarization



Plot 6: 30 MHz to 1 GHz, 5240 MHz, vertical & horizontal polarization

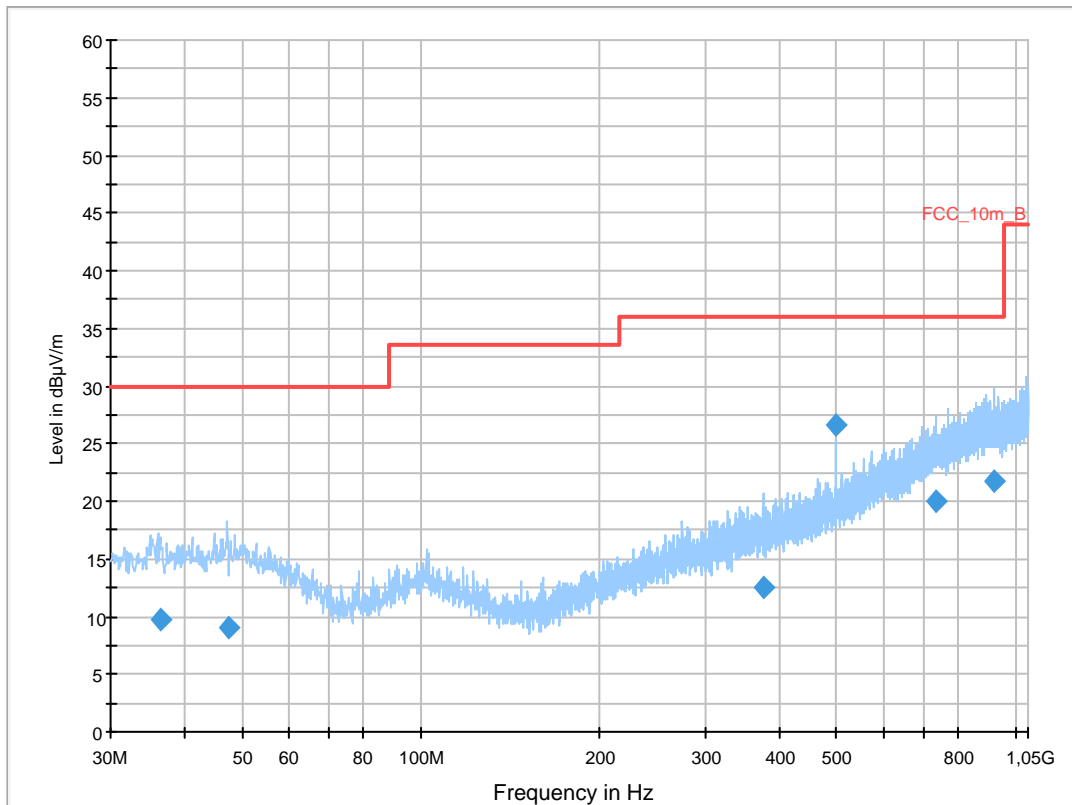
Common Information

EUT: WLANBV2-A + antenna 453564271931
 Serial Number:
 Test Description: FCC part 15 C class B @ 10 m
 Operating Conditions: wlan n-mode HT20 tx @ 5842MHz
 Operator Name: Wolsdorfer
 Comment: DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

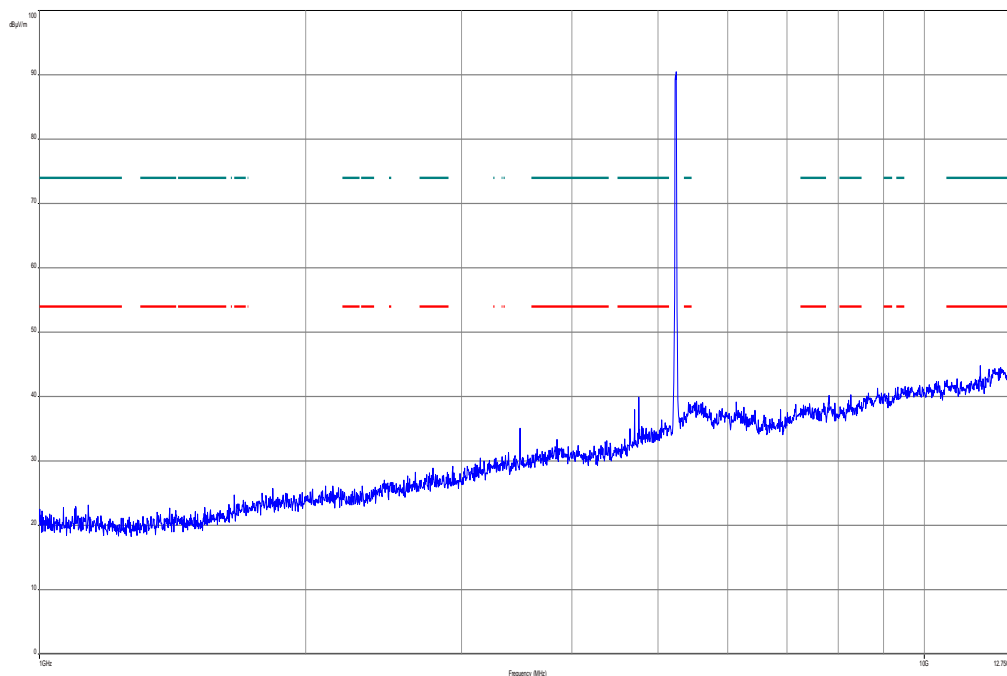
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



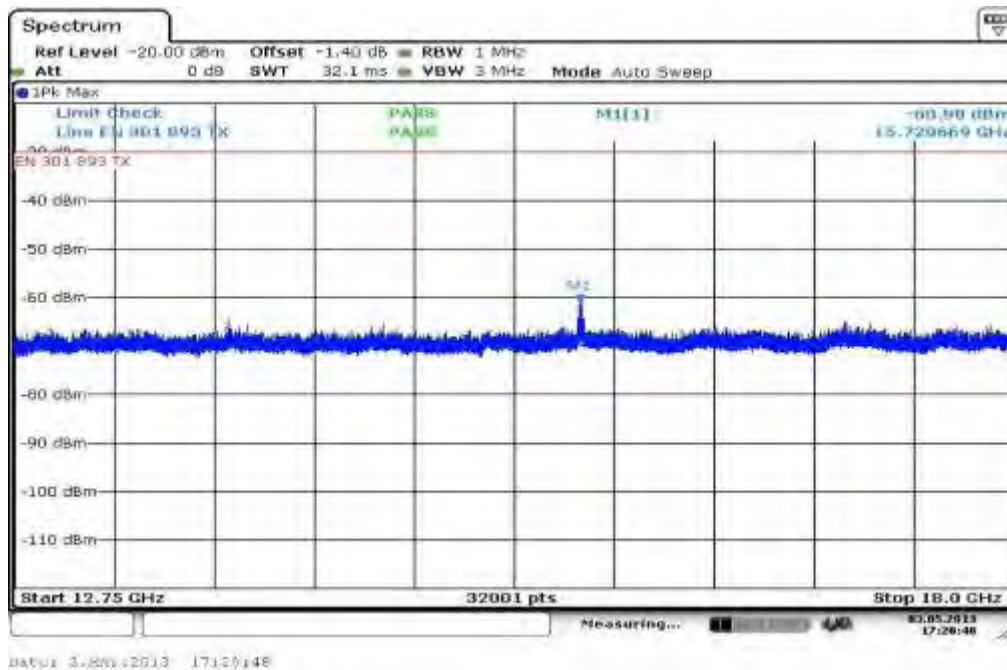
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth h (kHz)	Height (cm)	Polarization	Azimuth h (deg)	Corr. (dB)	Margi n (dB)	Limit (dBµV/m)	Comment
36.362400	9.7	1000.0	120.000	170.0	V	190.0	13.1	20.3	30.0	
47.537100	9.0	1000.0	120.000	145.0	V	92.0	13.3	21.0	30.0	
375.572700	12.5	1000.0	120.000	170.0	H	175.0	16.5	23.5	36.0	
500.015250	26.7	1000.0	120.000	98.0	V	280.0	18.7	9.3	36.0	
733.089900	19.9	1000.0	120.000	170.0	V	176.0	23.3	16.1	36.0	
917.159550	21.7	1000.0	120.000	104.0	H	80.0	25.3	14.3	36.0	

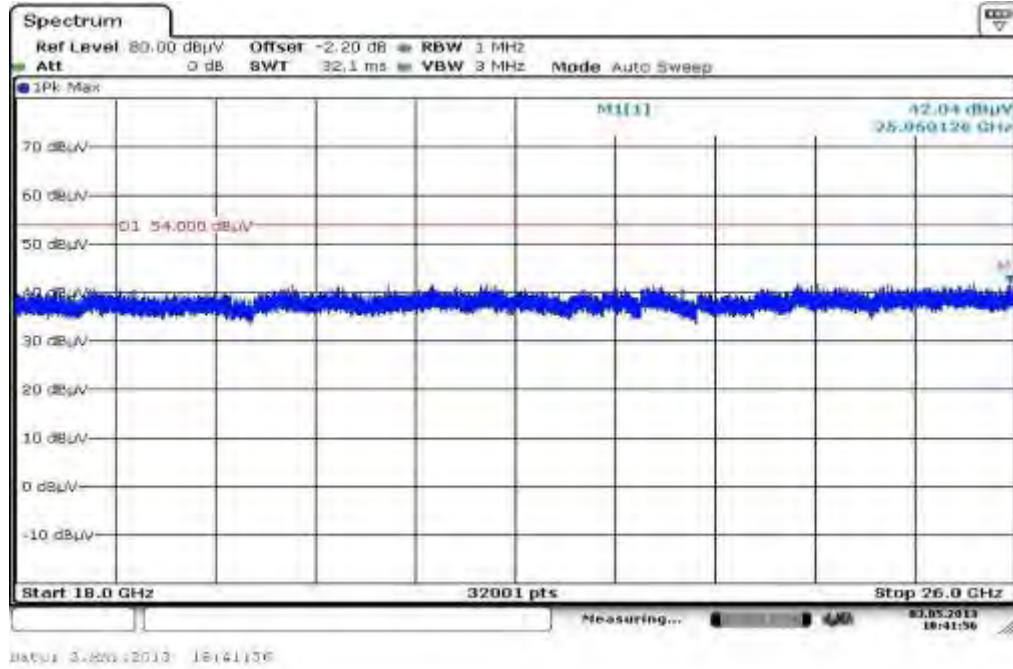
Plot 7: 1 GHz to 12.75 GHz, 5240 MHz, vertical & horizontal polarization



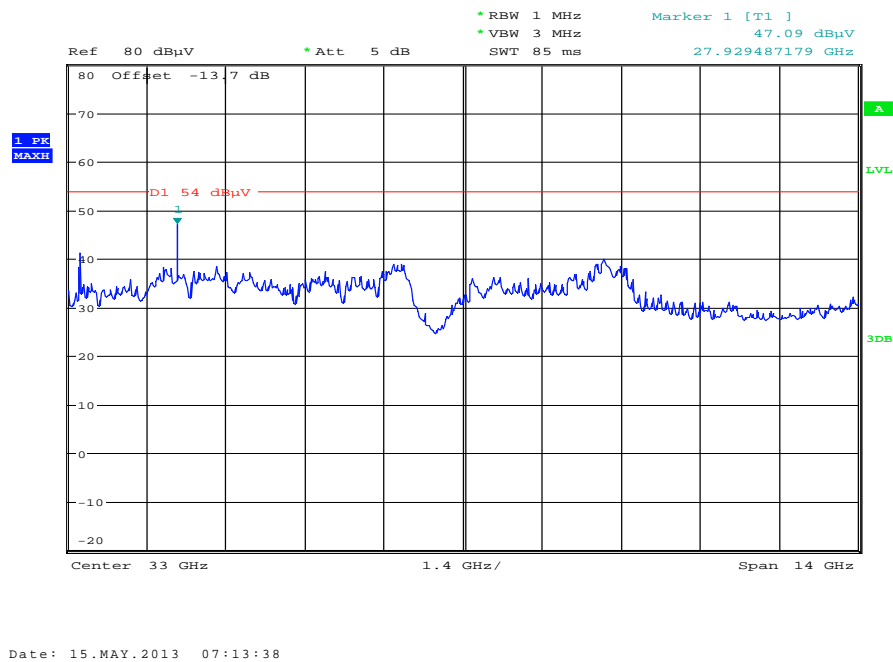
Plot 8: 12 GHz to 18 GHz, 5240 MHz, vertical & horizontal polarization



Plot 9: 18 GHz to 26 GHz, 5240 MHz, vertical & horizontal polarization



Plot 10: 26 GHz to 40 GHz, 5240 MHz, vertical & horizontal polarization



Plot 11: 30 MHz to 1 GHz, 5260 MHz, vertical & horizontal polarization

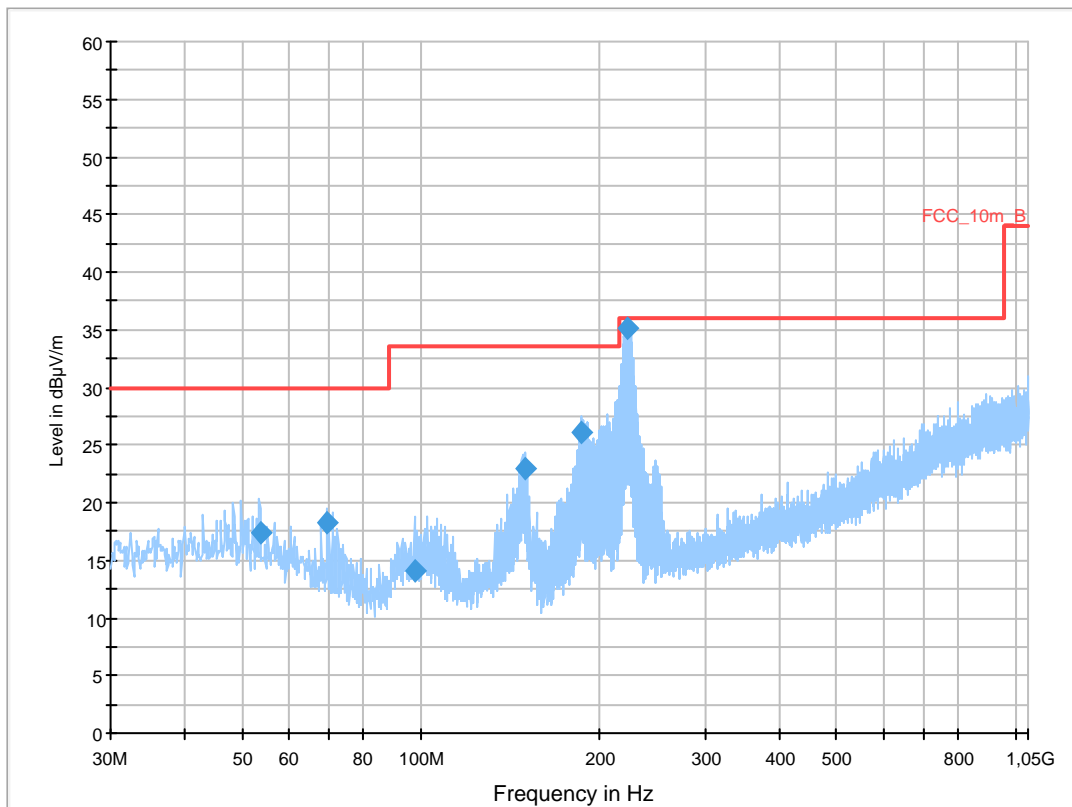
Common Information

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 ch52
 Operator Name: Wolsdorfer
 Comment: DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

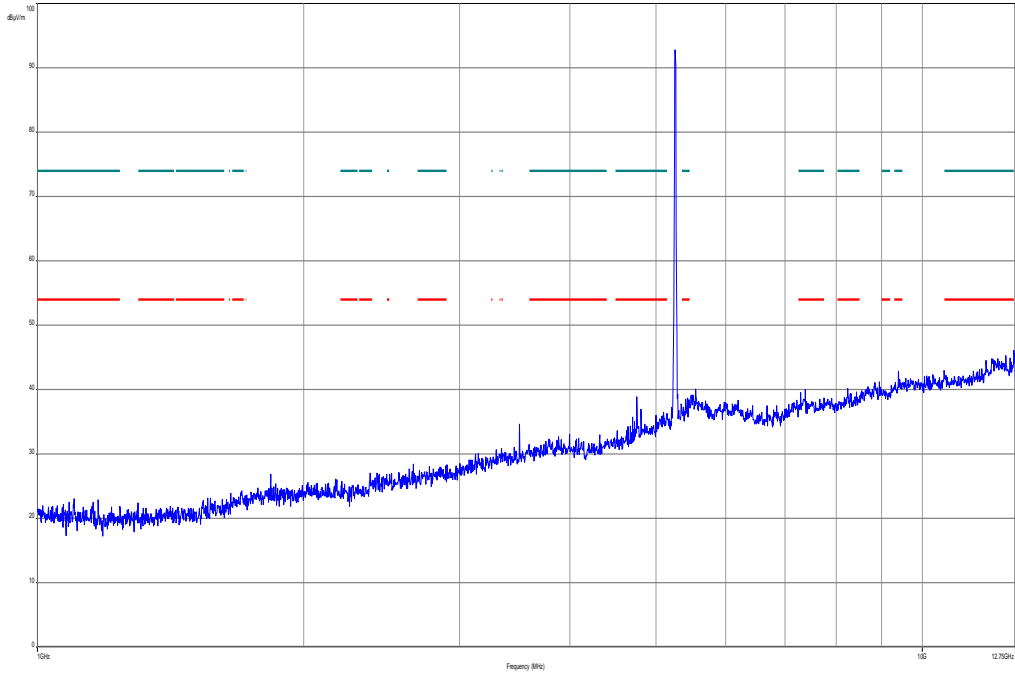
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



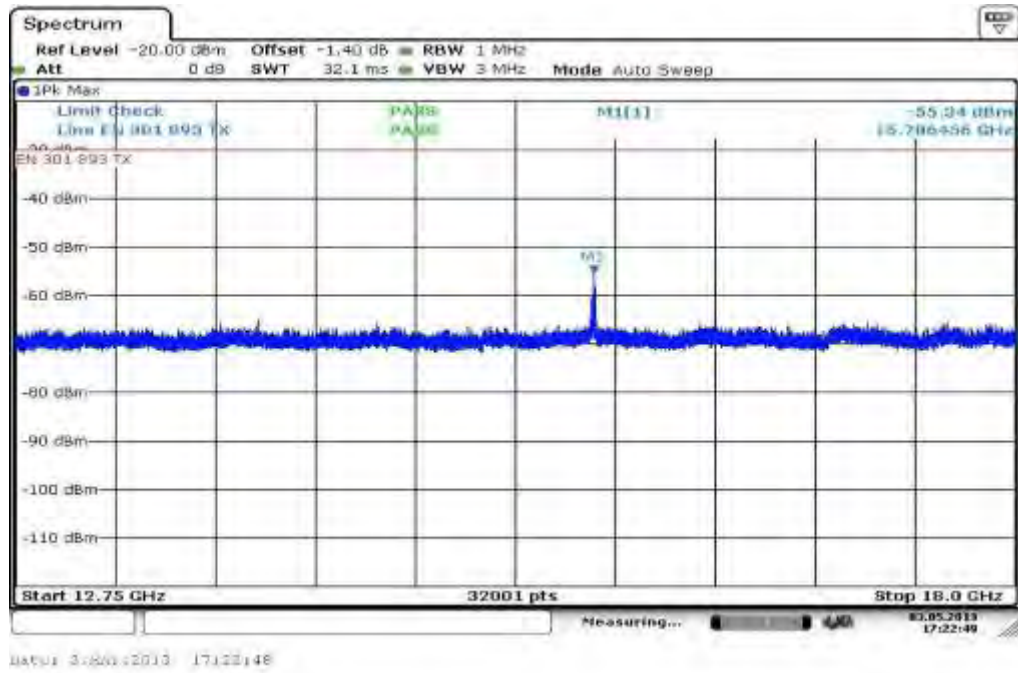
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin - QPK	Limit - QPK (dBµV/m)	Comment
53.590350	17.3	1000.0	120.000	113.0	V	190.0	13.0	12.7	30.0	
69.437550	18.3	1000.0	120.000	170.0	V	88.0	9.4	11.7	30.0	
97.346700	14.0	1000.0	120.000	98.0	V	190.0	11.6	19.5	33.5	
149.433000	23.0	1000.0	120.000	105.0	V	10.0	8.9	10.6	33.5	
186.376650	26.1	1000.0	120.000	98.0	V	100.0	10.8	7.4	33.5	
222.625500	35.2	1000.0	120.000	98.0	V	-10.0	12.5	0.8	36.0	

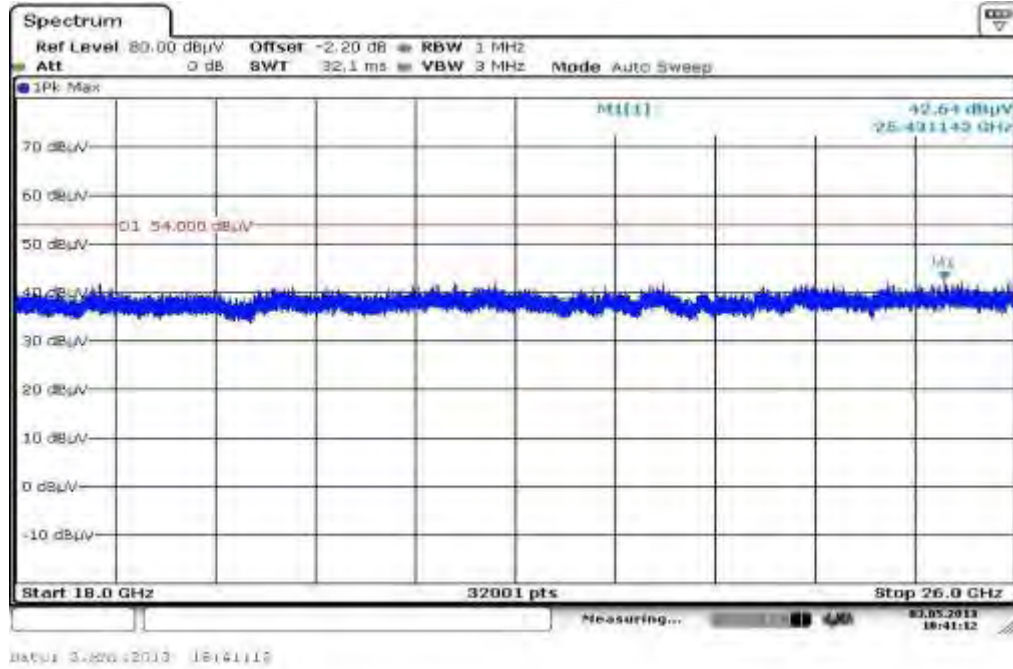
Plot 12: 1 GHz to 12.75 GHz, 5260 MHz, vertical & horizontal polarization



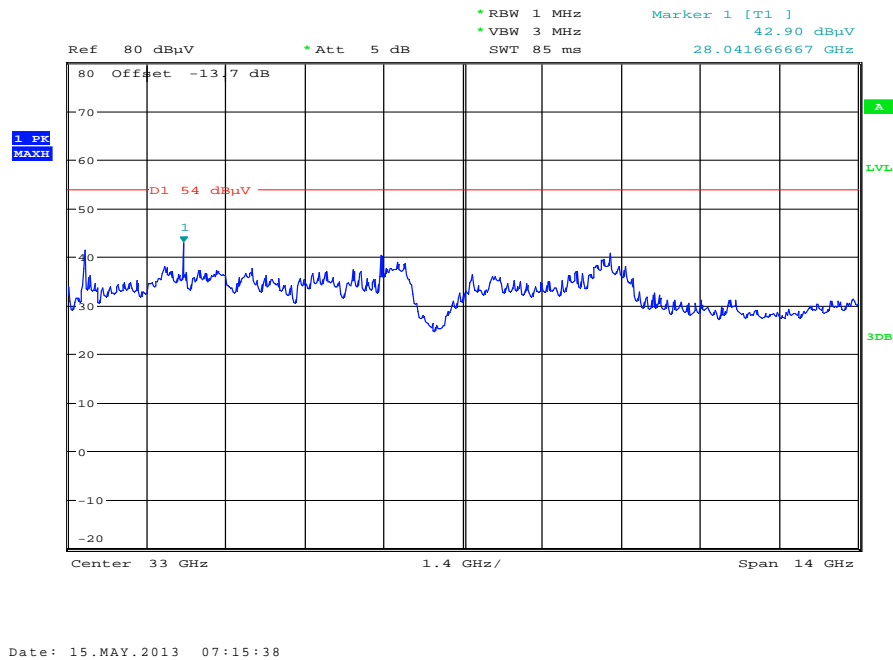
Plot 13: 12 GHz to 18 GHz, 5260 MHz, vertical & horizontal polarization



Plot 14: 18 GHz to 26 GHz, 5260 MHz, vertical & horizontal polarization



Plot 15: 26 GHz to 40 GHz, 5260 MHz, vertical & horizontal polarization



Plot 16: 30 MHz to 1 GHz, 5320 MHz, vertical & horizontal polarization

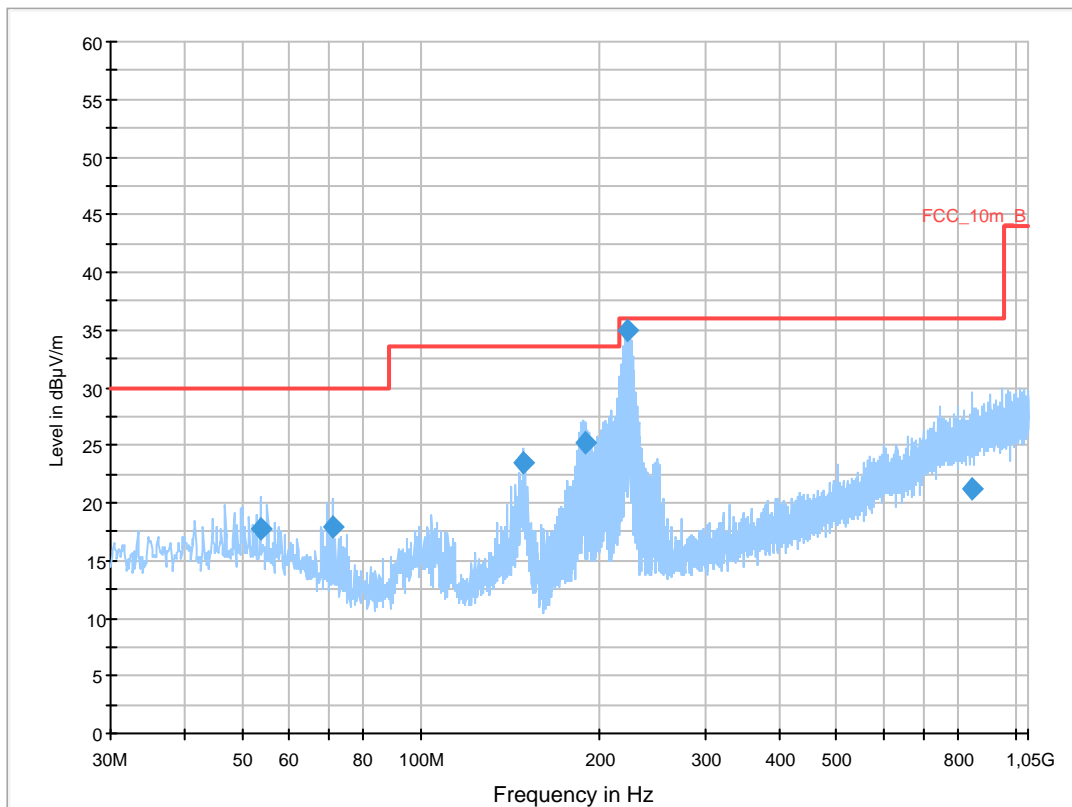
Common Information

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 ch64
 Operator Name: Wolsdorfer
 Comment: DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

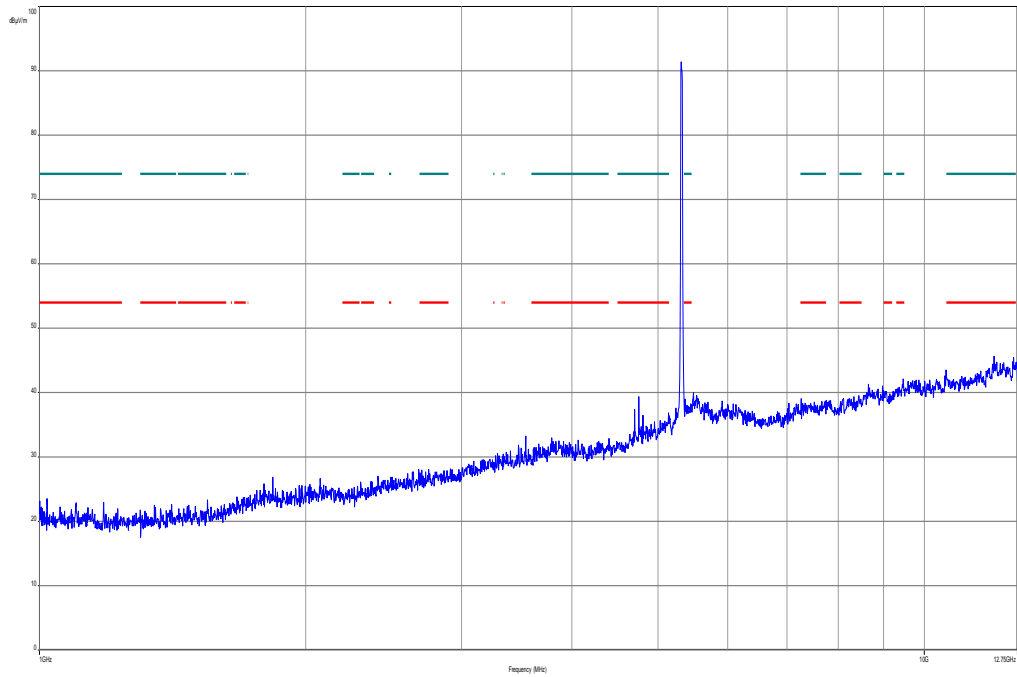
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



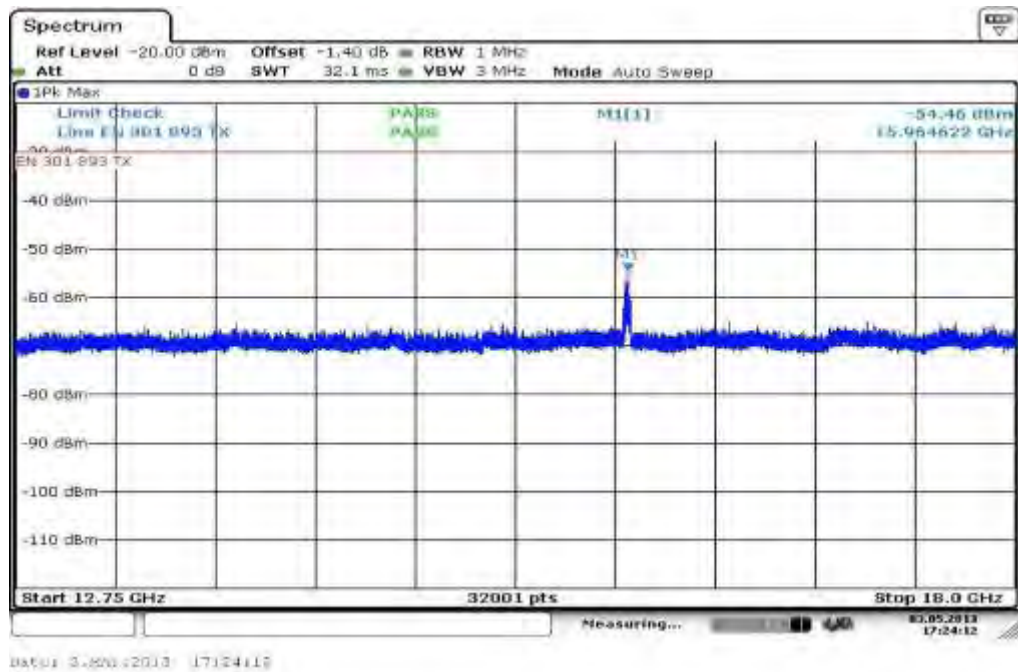
Final Result 1

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

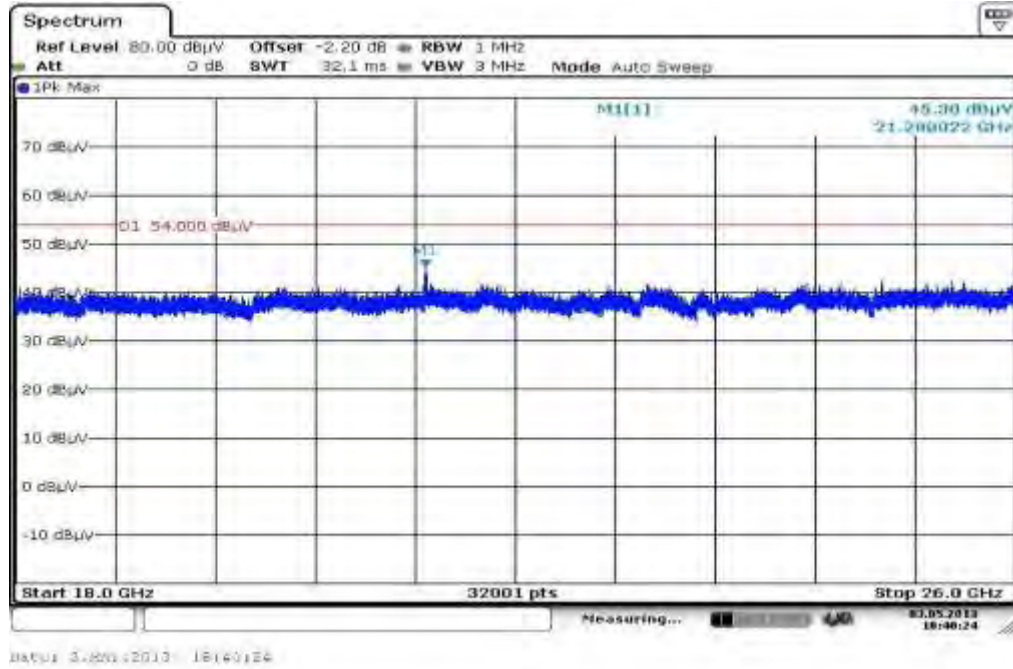
Plot 17: 1 GHz to 12.75 GHz, 5320 MHz, vertical & horizontal polarization



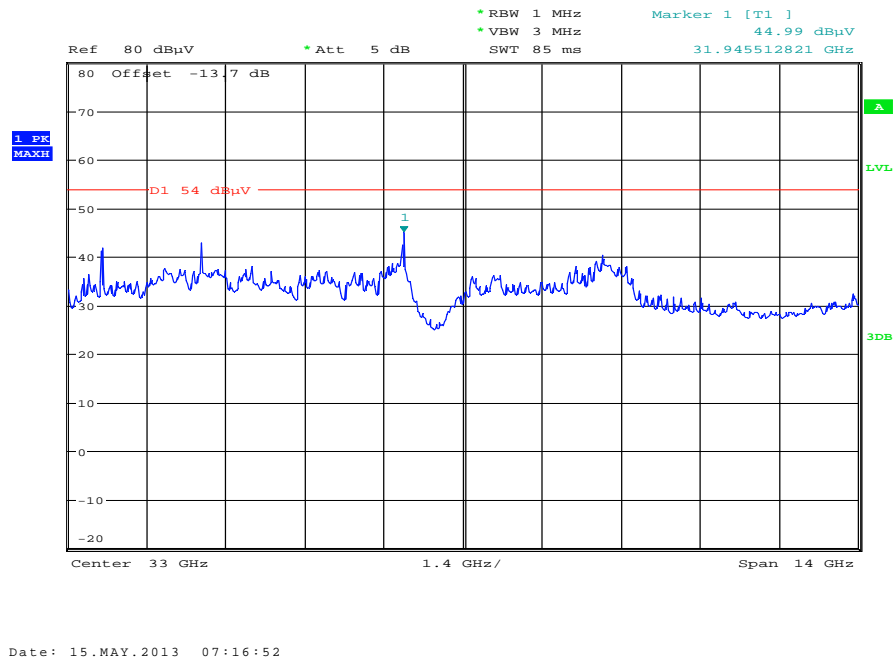
Plot 18: 12 GHz to 18 GHz, 5320 MHz, vertical & horizontal polarization



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

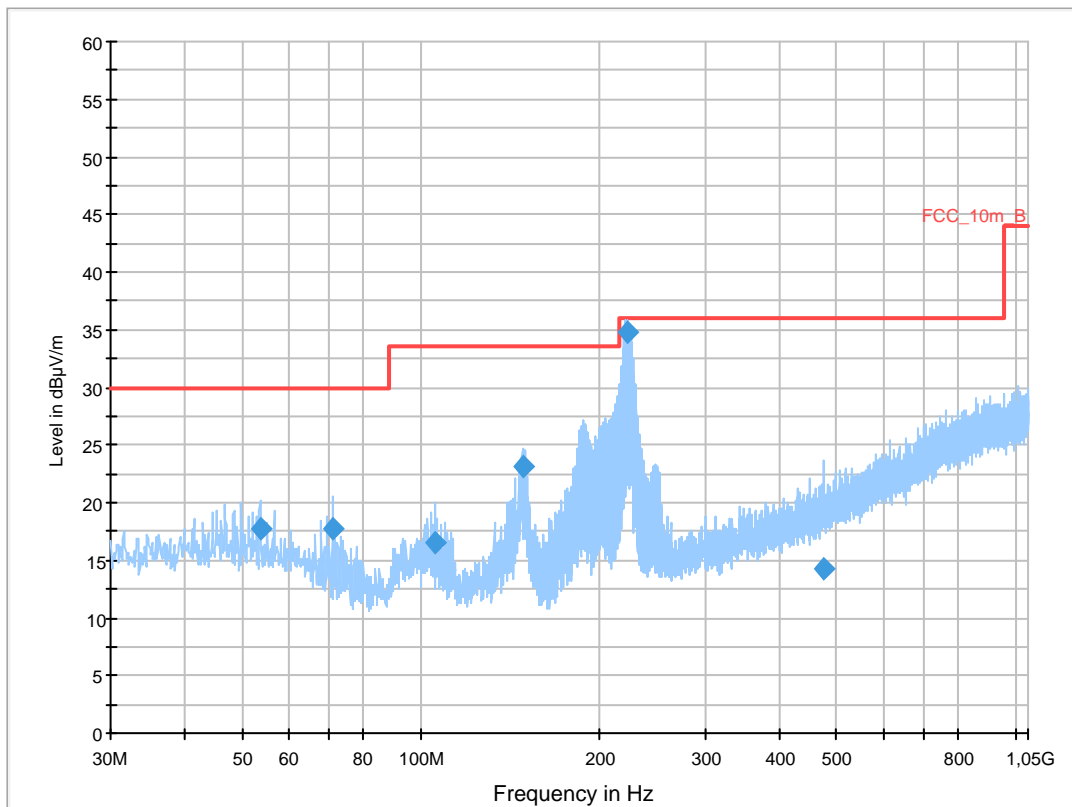
Common Information

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

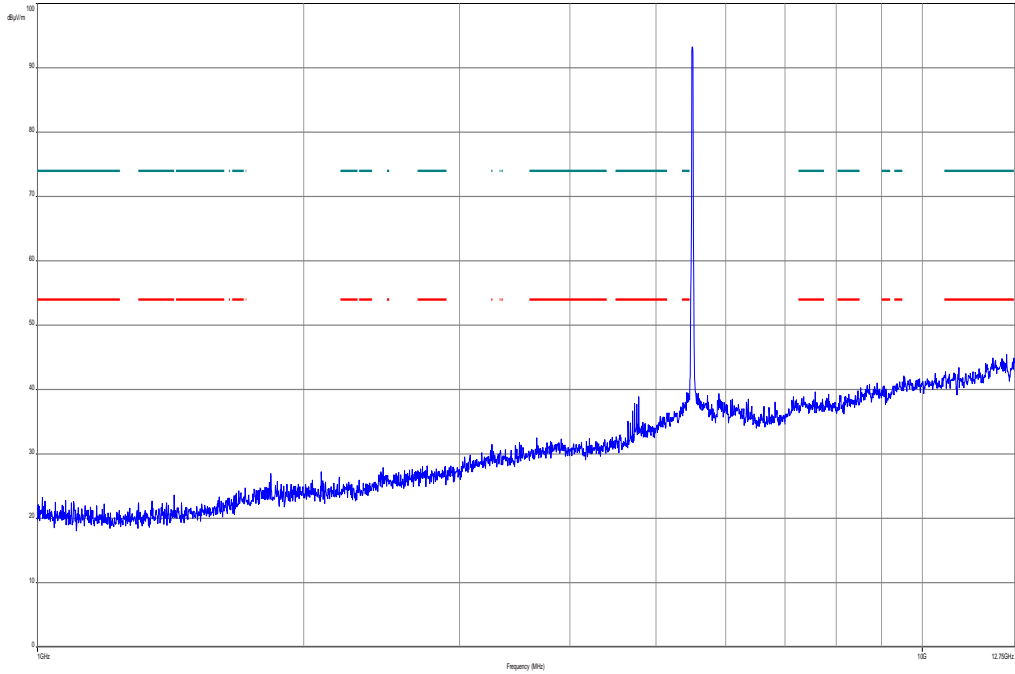
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



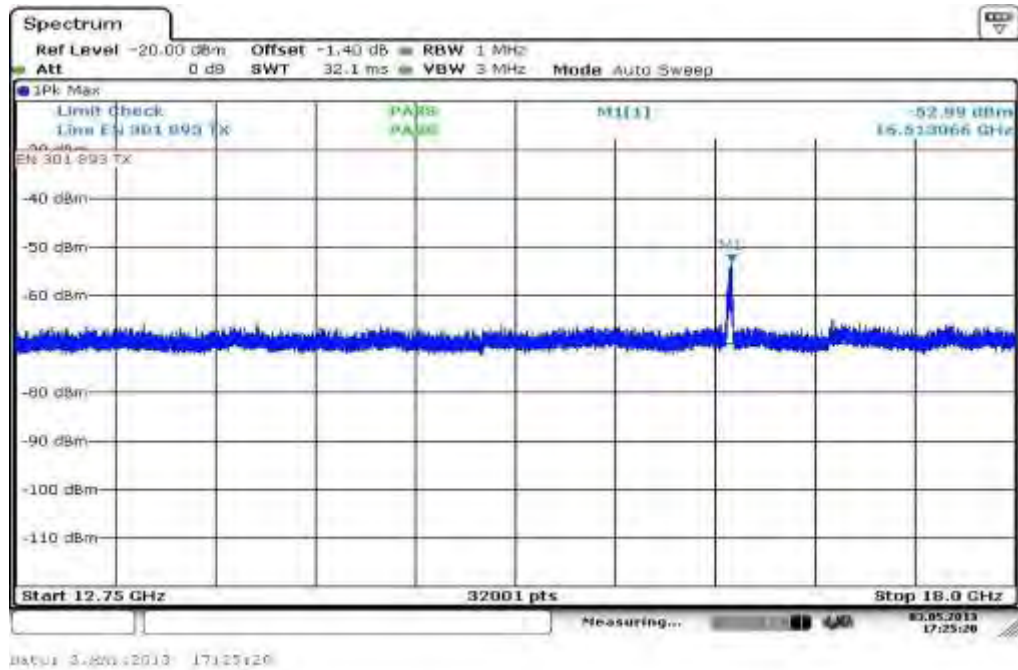
Final Result 1

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	

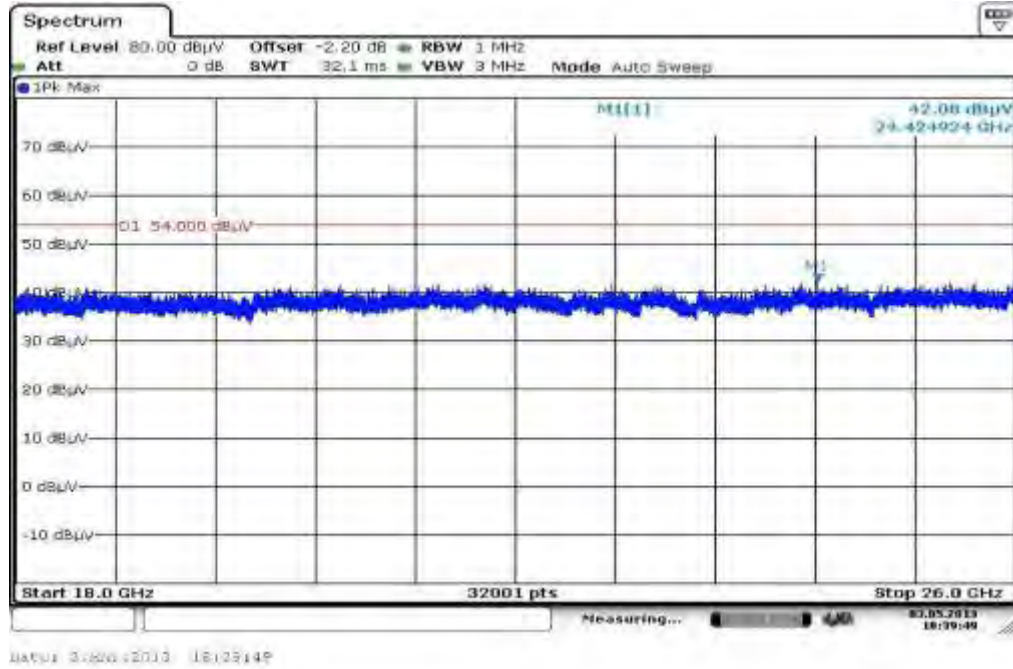
Plot 22: 1 GHz to 12.75 GHz, 5500 MHz, vertical & horizontal polarization



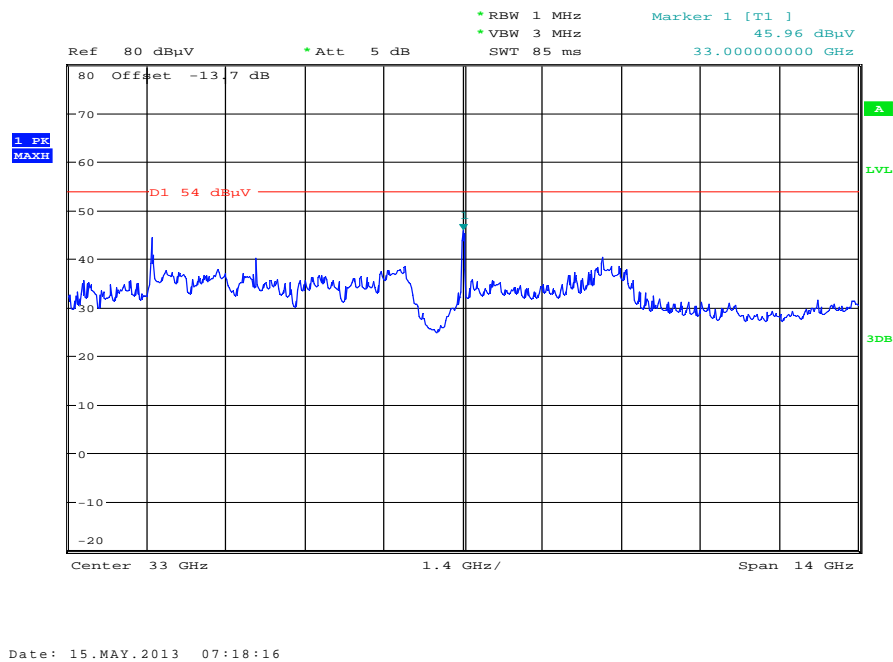
Plot 23: 12 GHz to 18 GHz, 5500 MHz, vertical & horizontal polarization



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

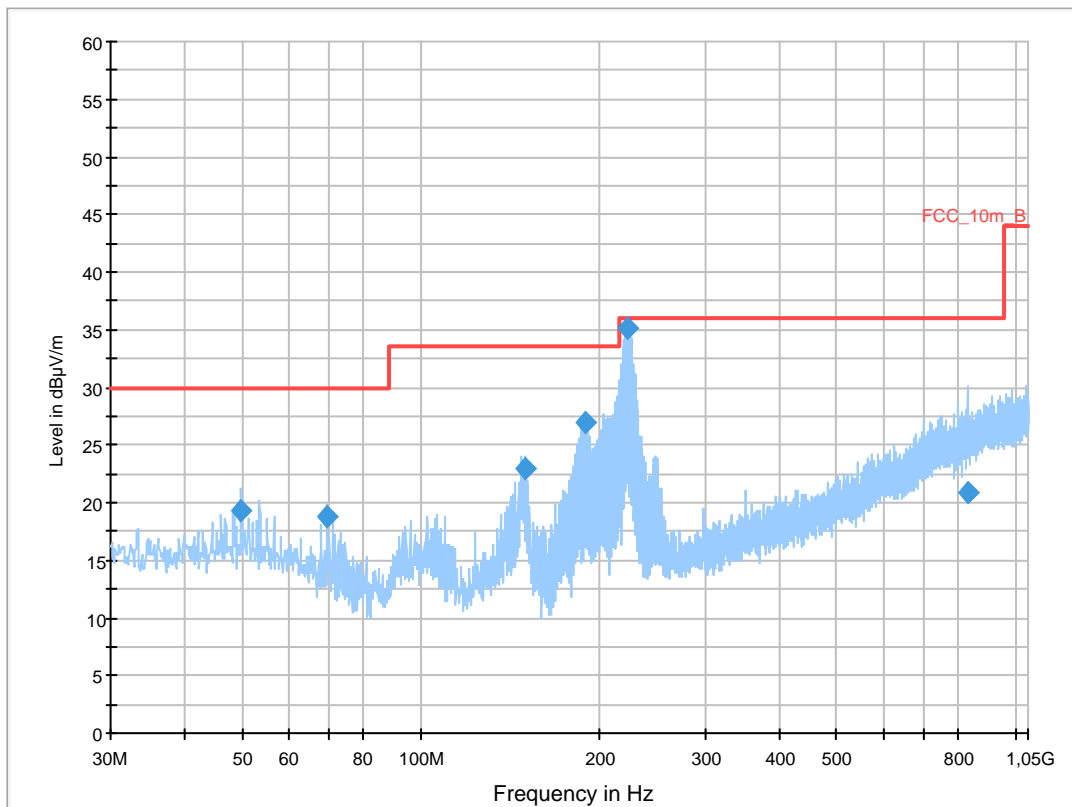
Common Information

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

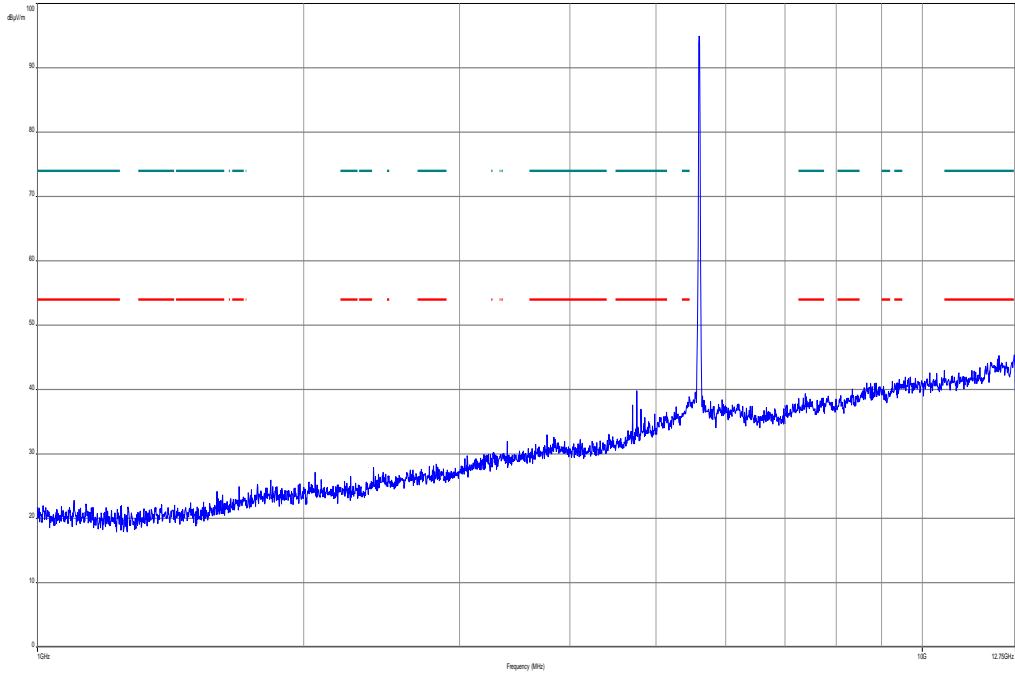
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



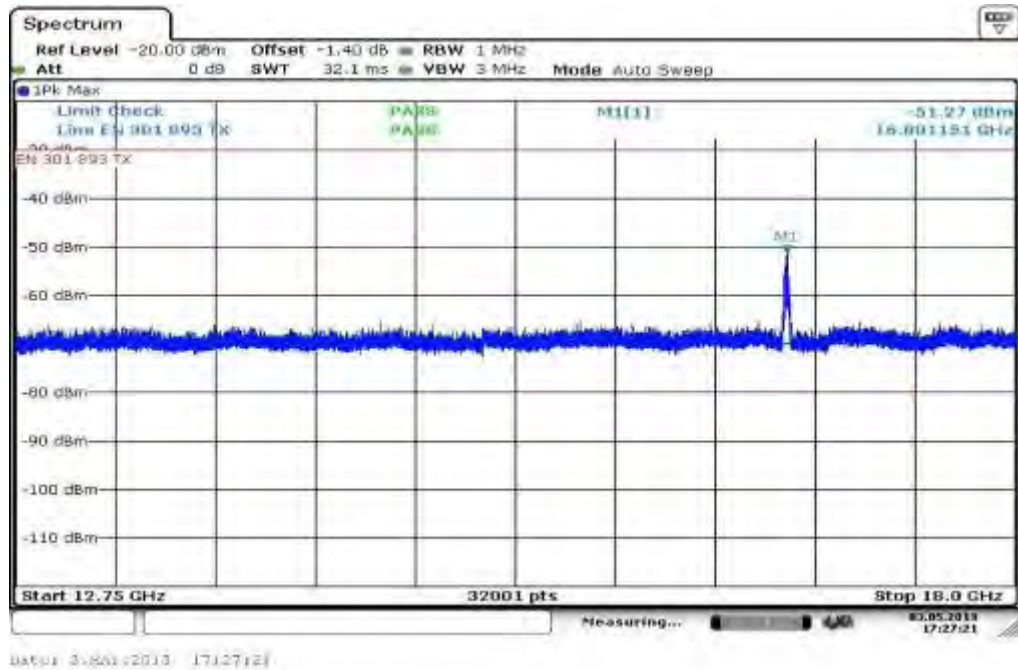
Final Result 1

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	

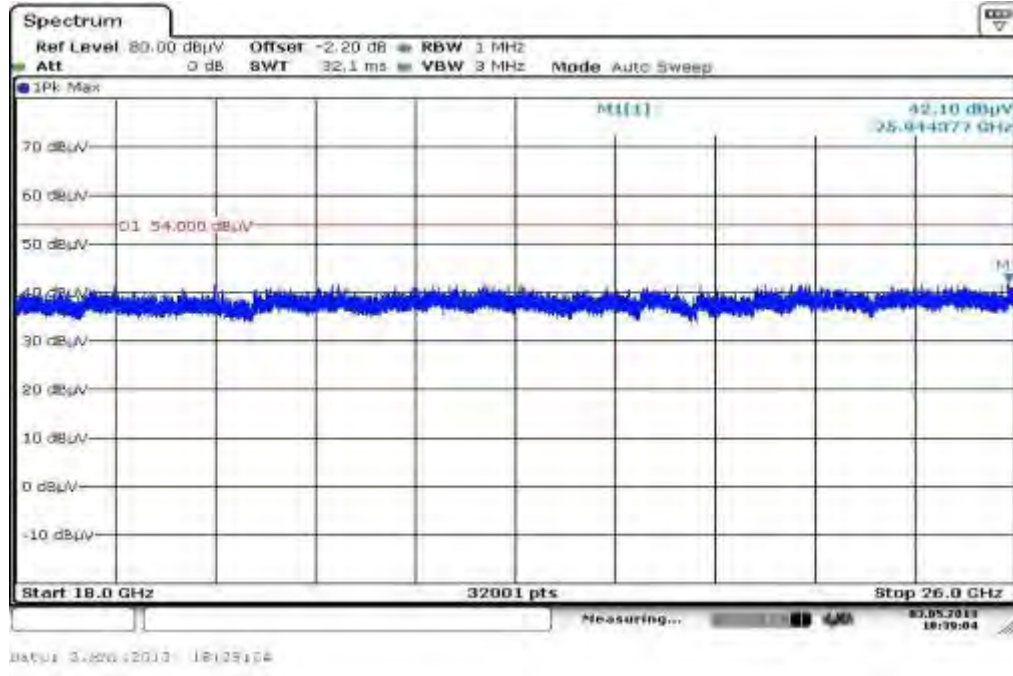
Plot 27: 1 GHz to 12.75 GHz, 5600 MHz, vertical & horizontal polarization



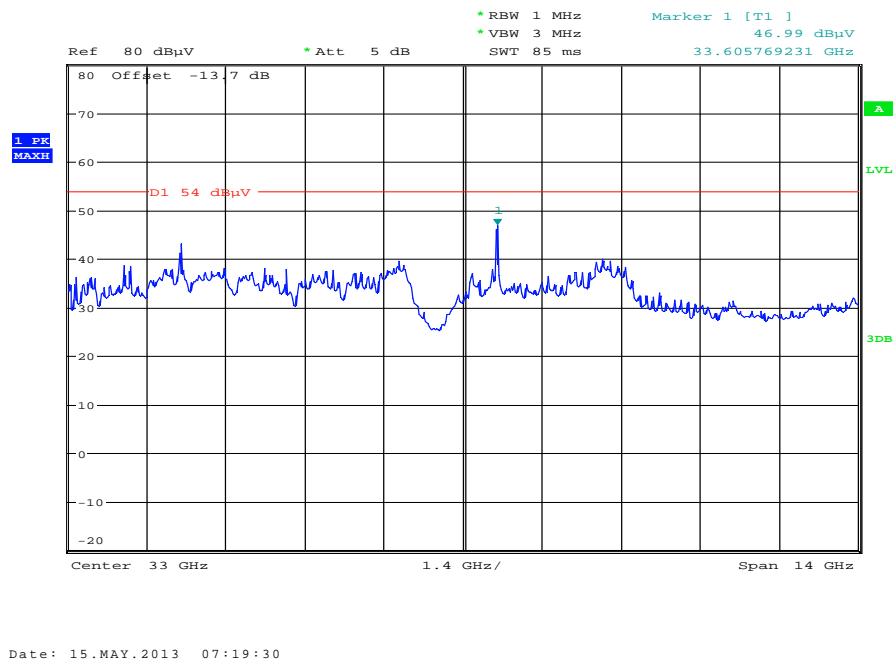
Plot 28: 12 GHz to 18 GHz, 5600 MHz, vertical & horizontal polarization



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

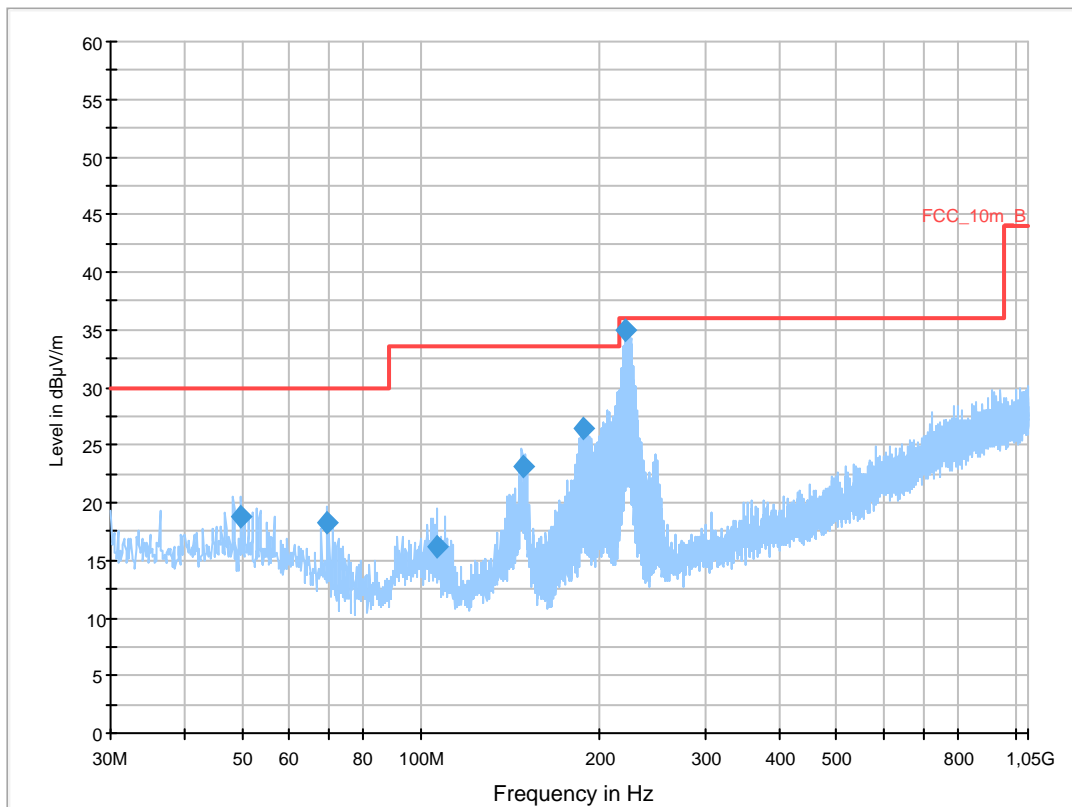
Common Information

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

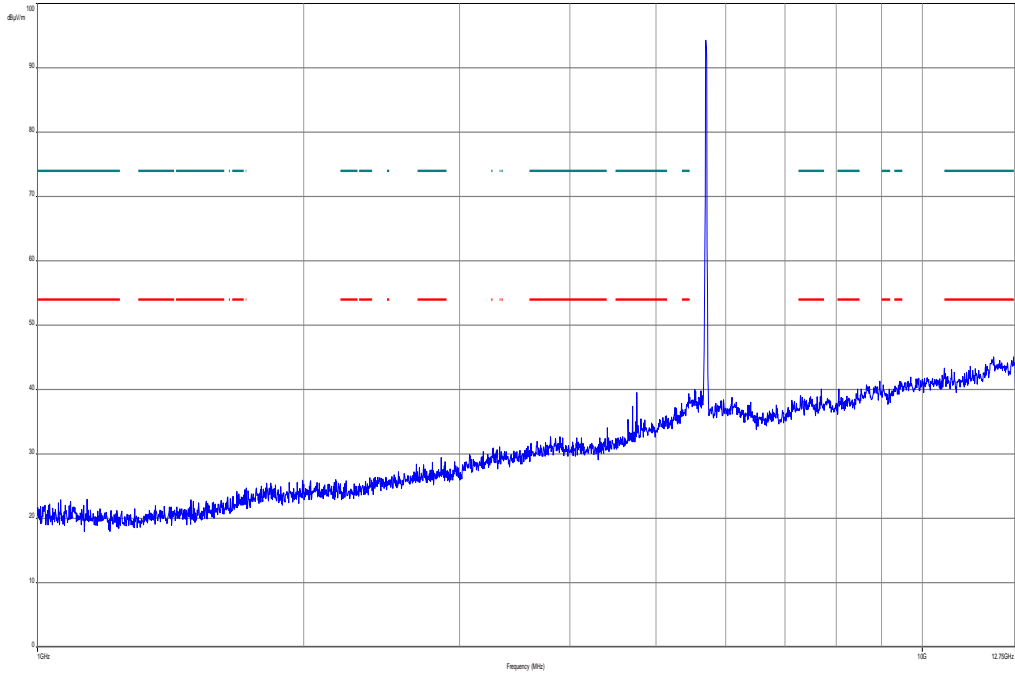
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



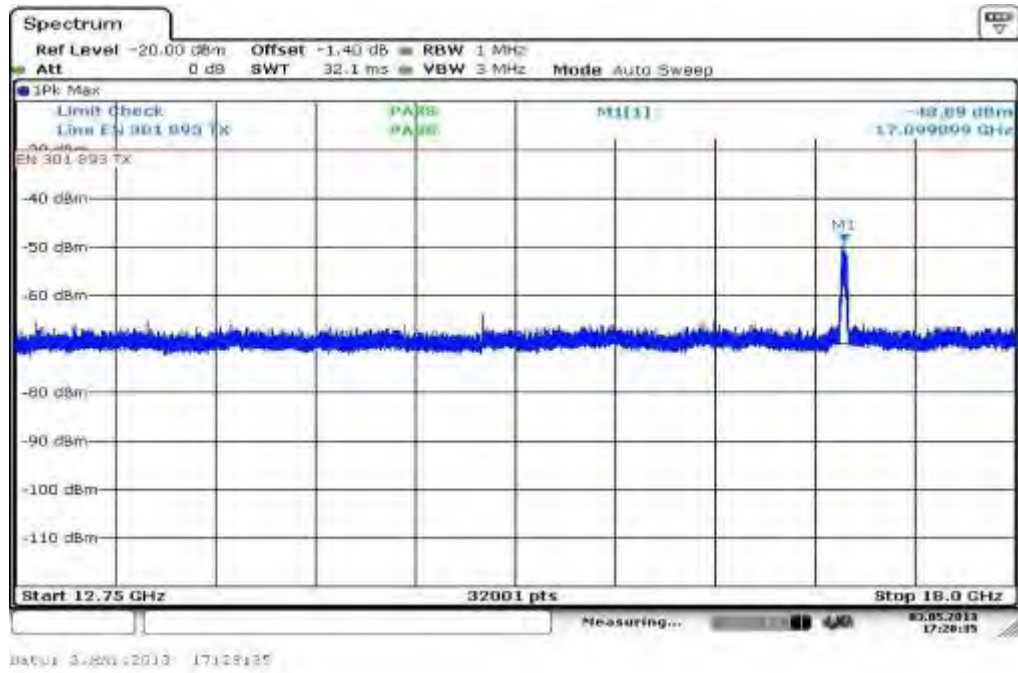
Final Result 1

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	

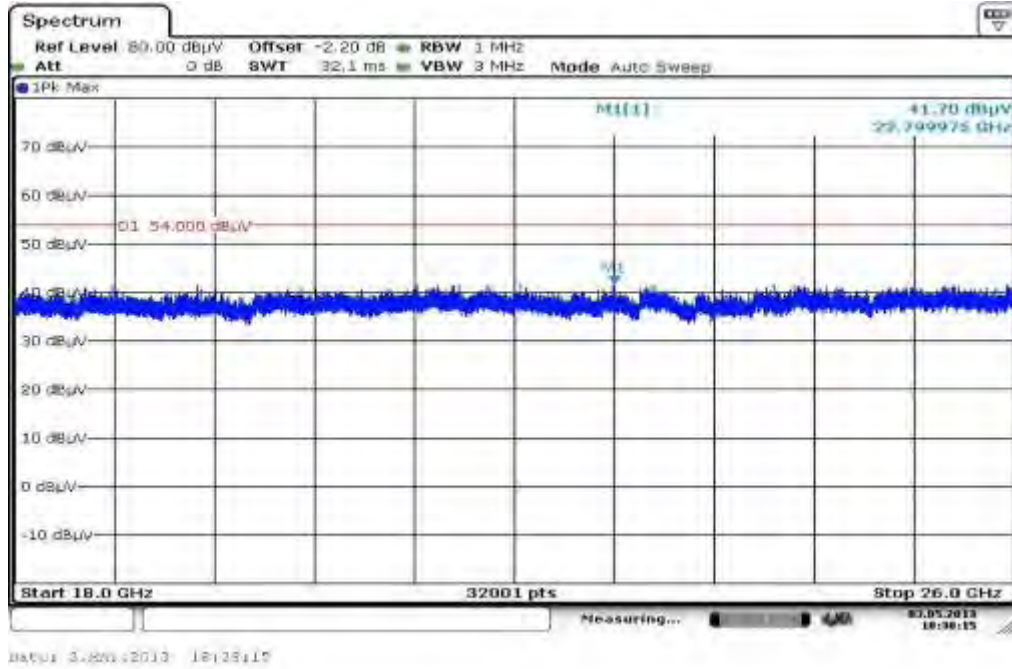
Plot 32: 1 GHz to 12.75 GHz, 5700 MHz, vertical & horizontal polarization



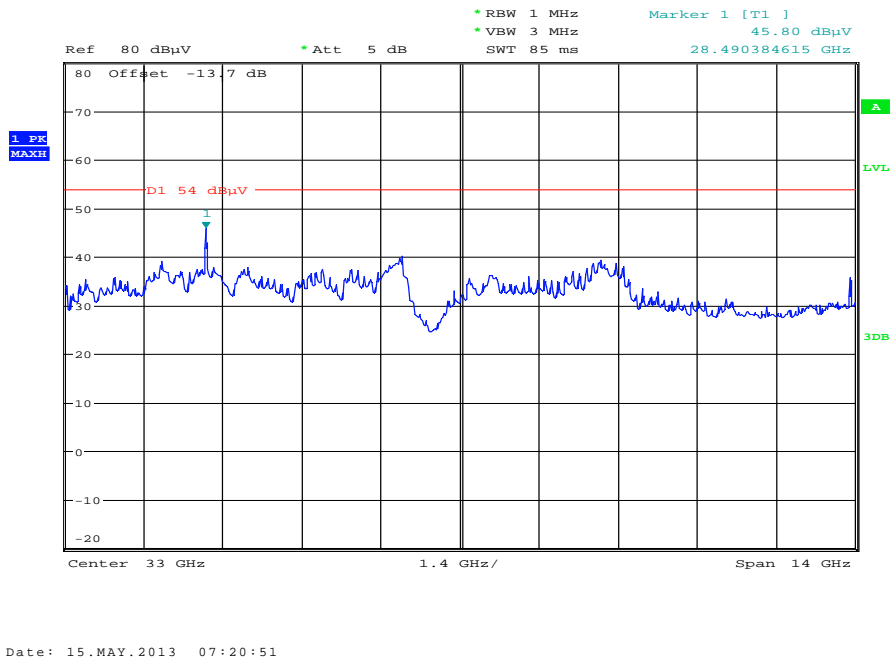
Plot 33: 12 GHz to 18 GHz, 5700 MHz, vertical & horizontal polarization



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

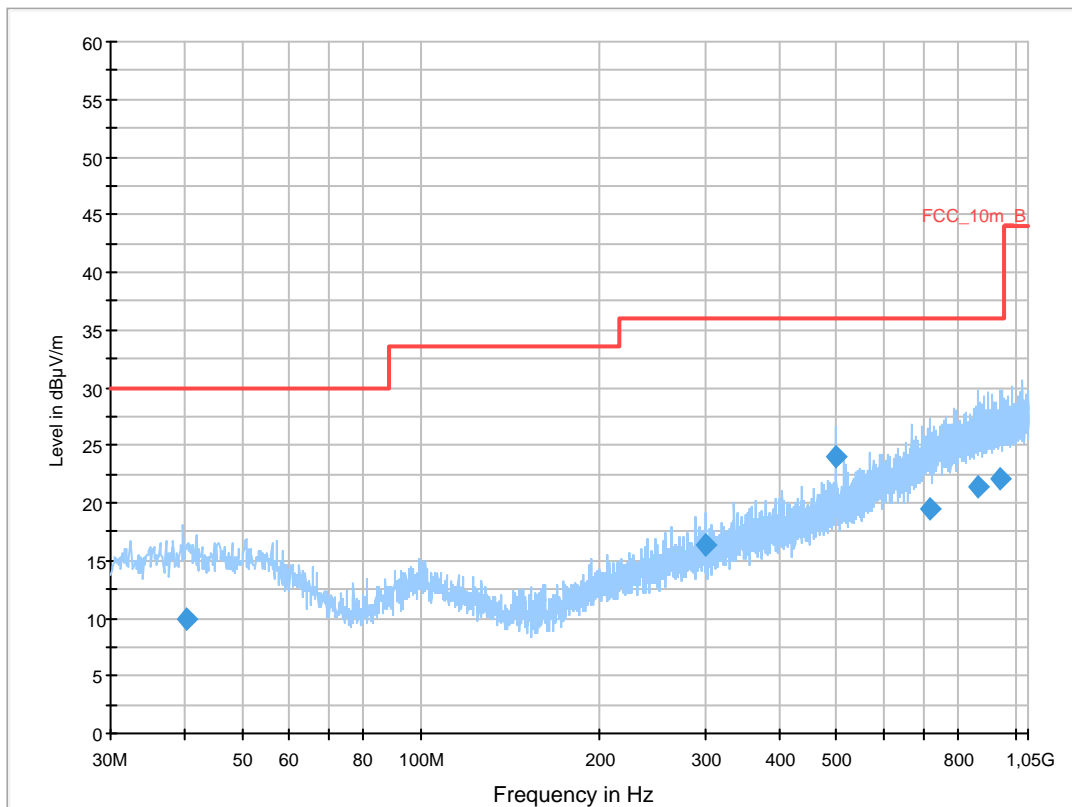
Common Information

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

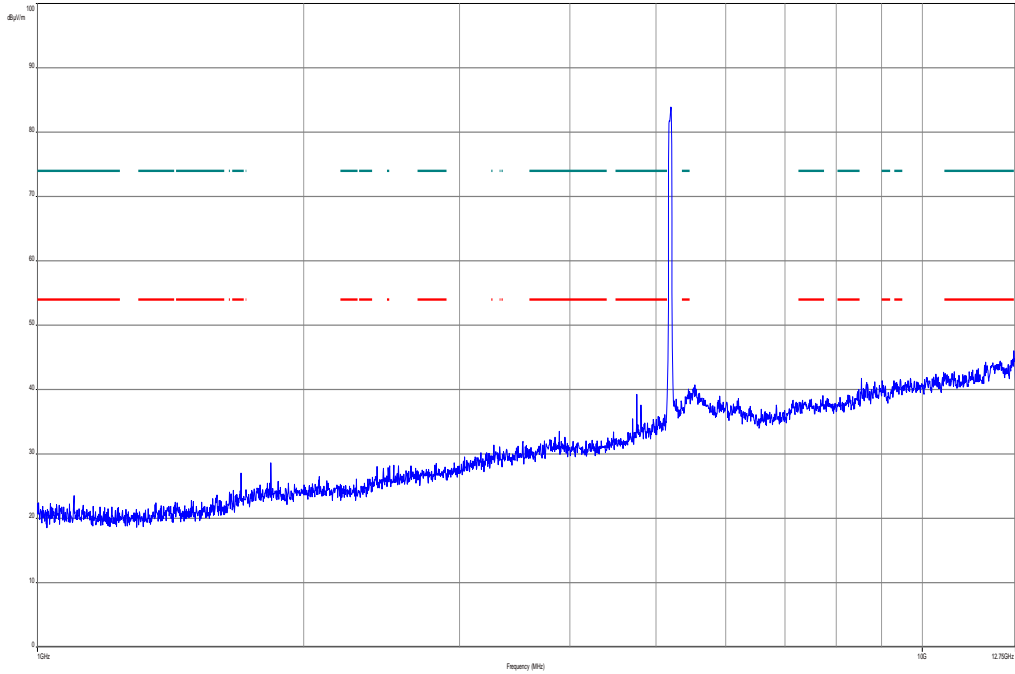
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



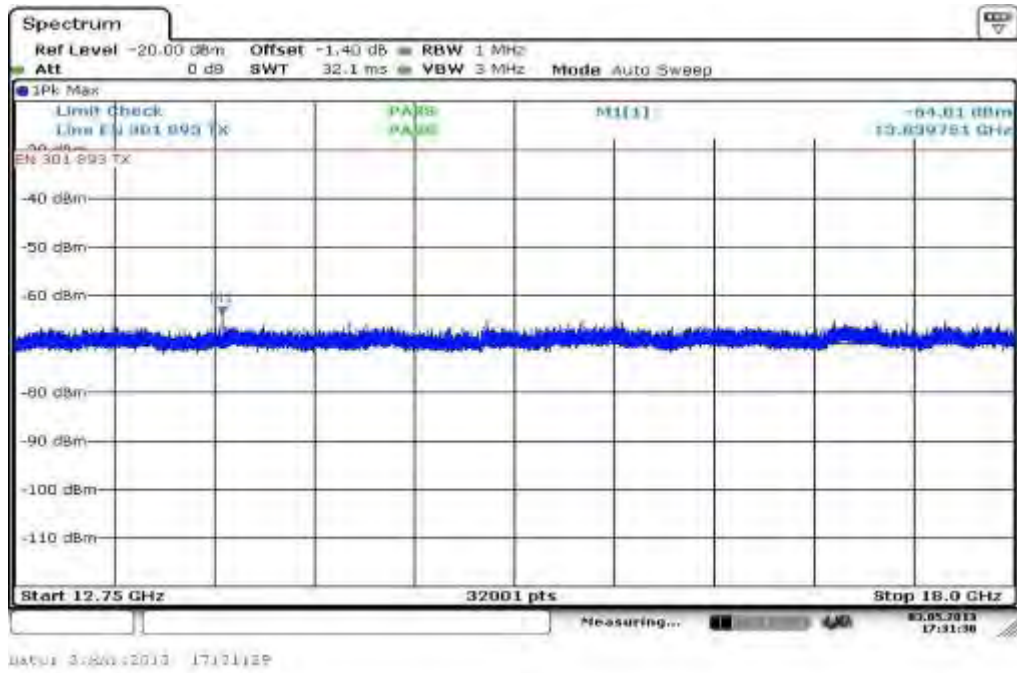
Final Result 1

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	

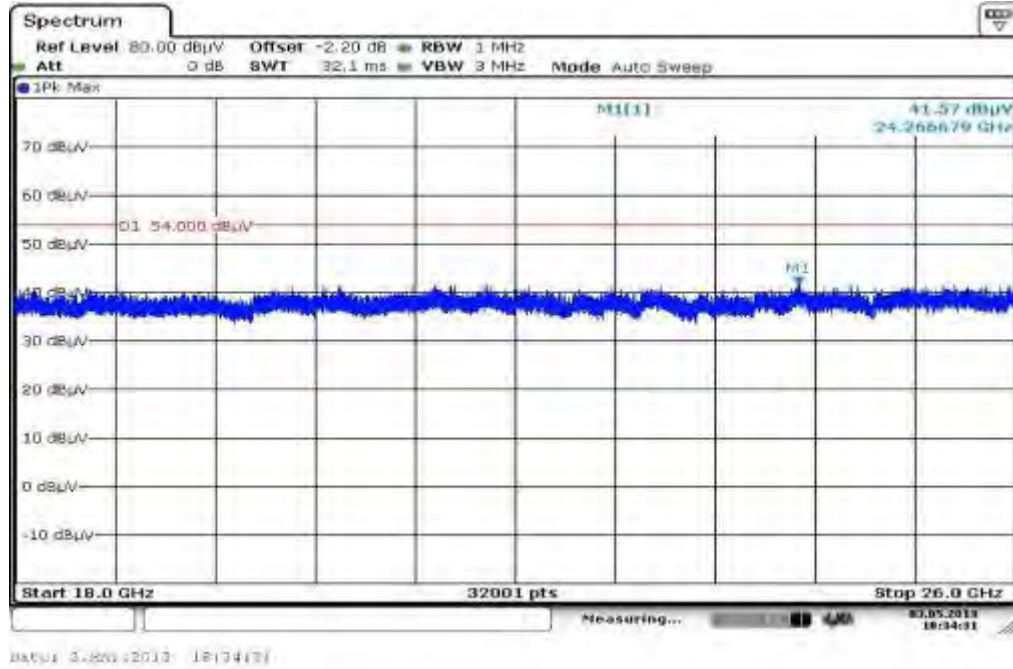
Plot 2: 1 GHz to 12.75 GHz, 5190 MHz, vertical & horizontal polarization



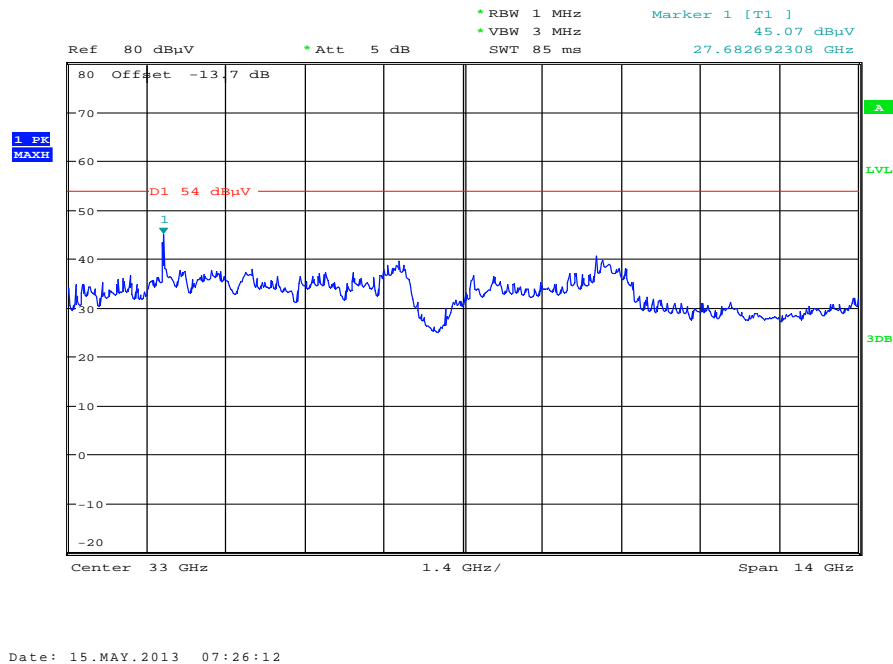
Plot 3: 12 GHz to 18 GHz, 5190 MHz, vertical & horizontal polarization



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

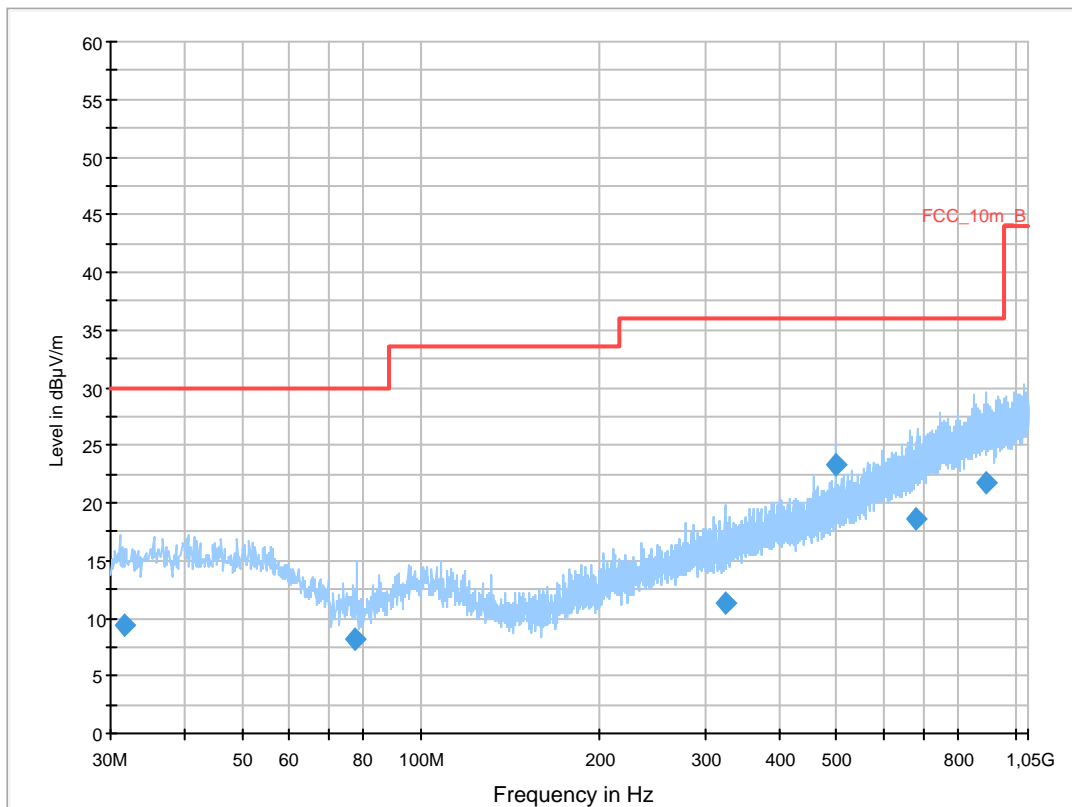
Common Information

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

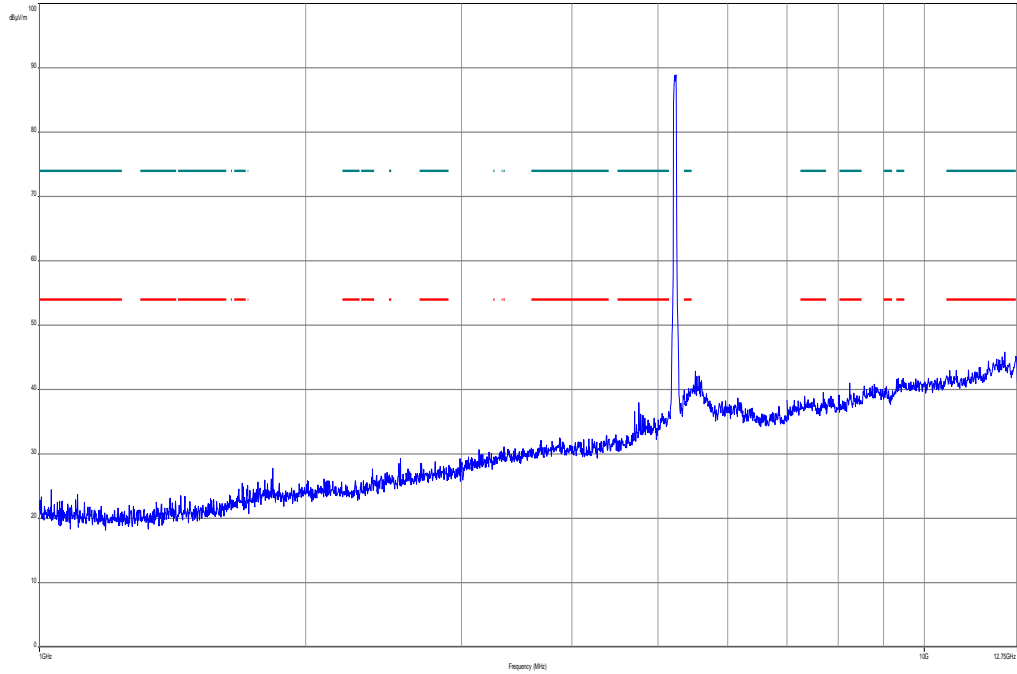
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



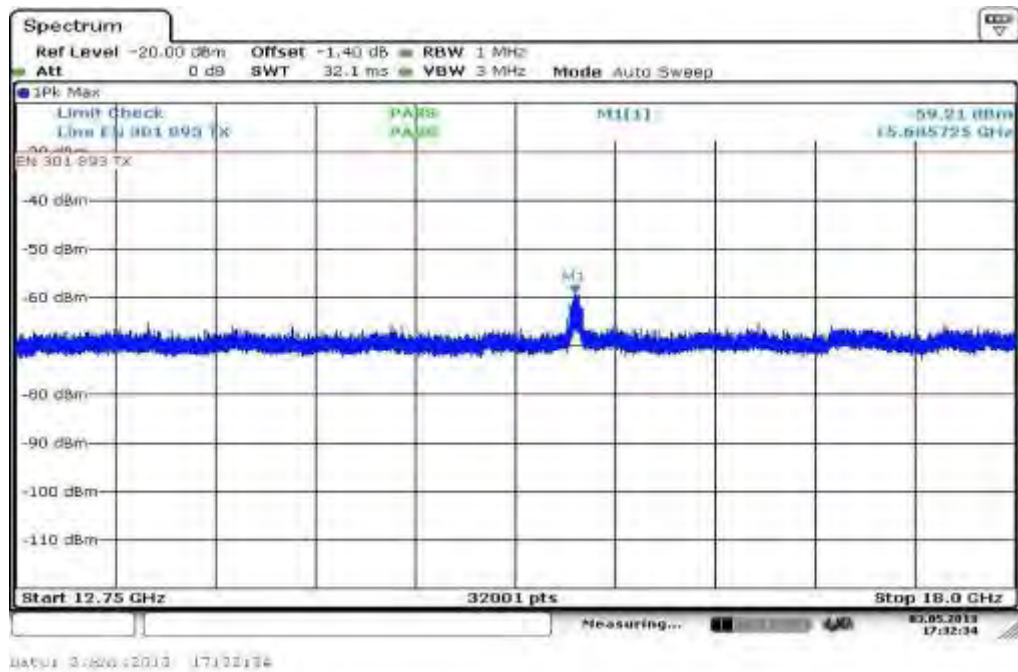
Final Result 1

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	

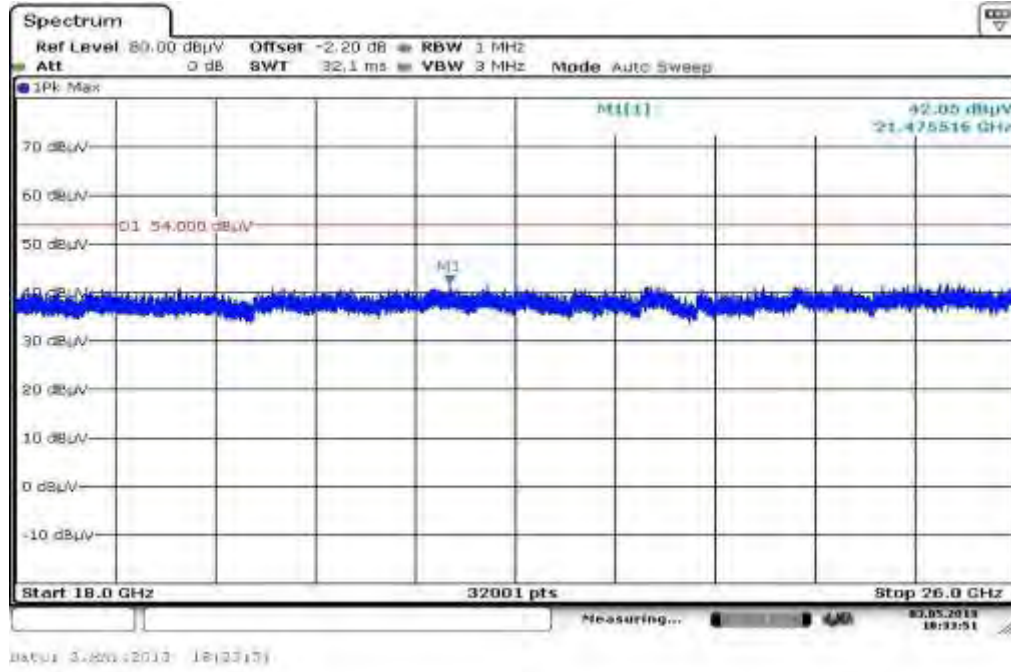
Plot 7: 1 GHz to 12.75 GHz, 5230 MHz, vertical & horizontal polarization



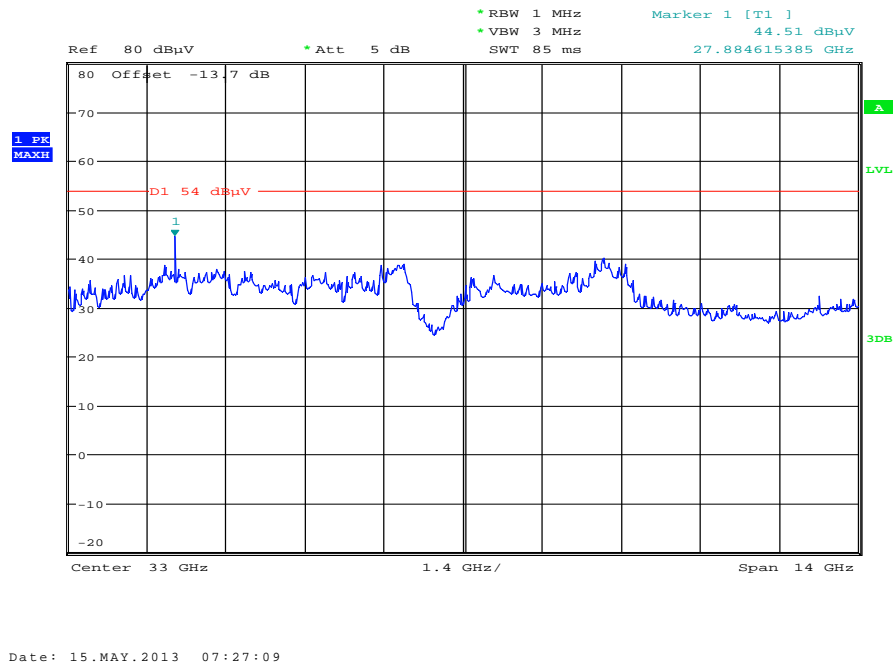
Plot 8: 12 GHz to 18 GHz, 5230 MHz, vertical & horizontal polarization



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

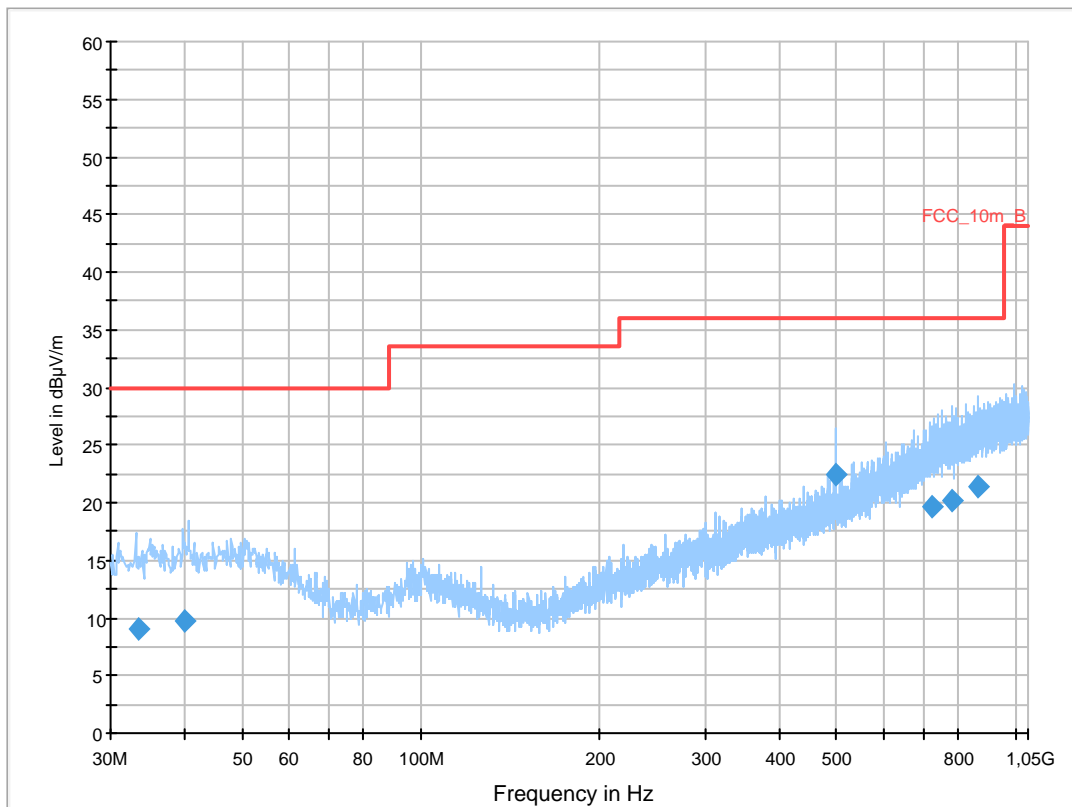
Common Information

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

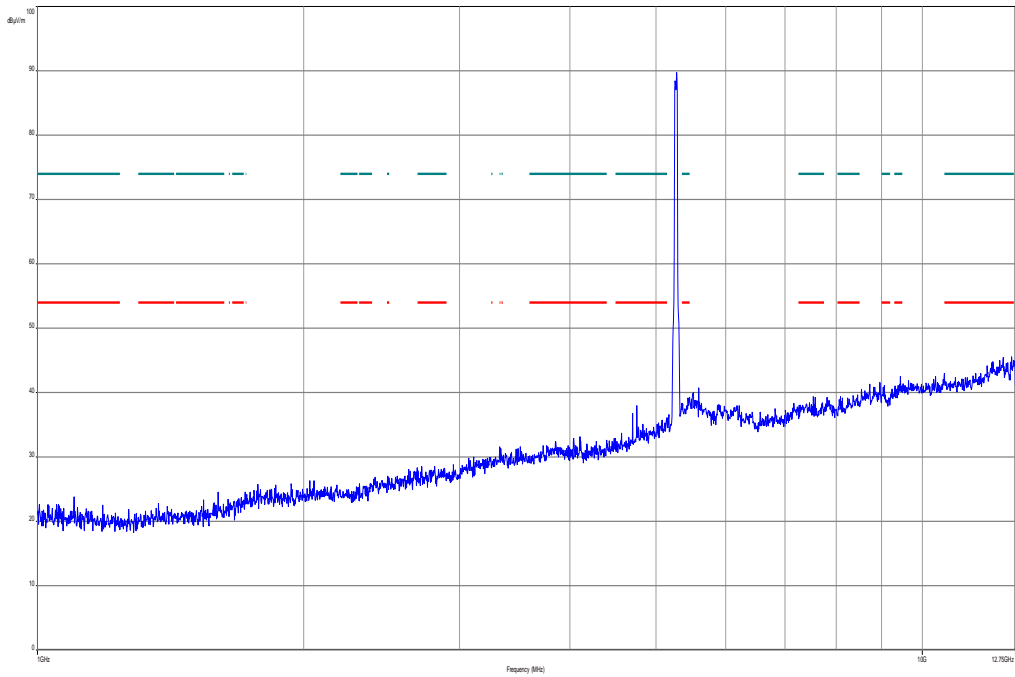
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



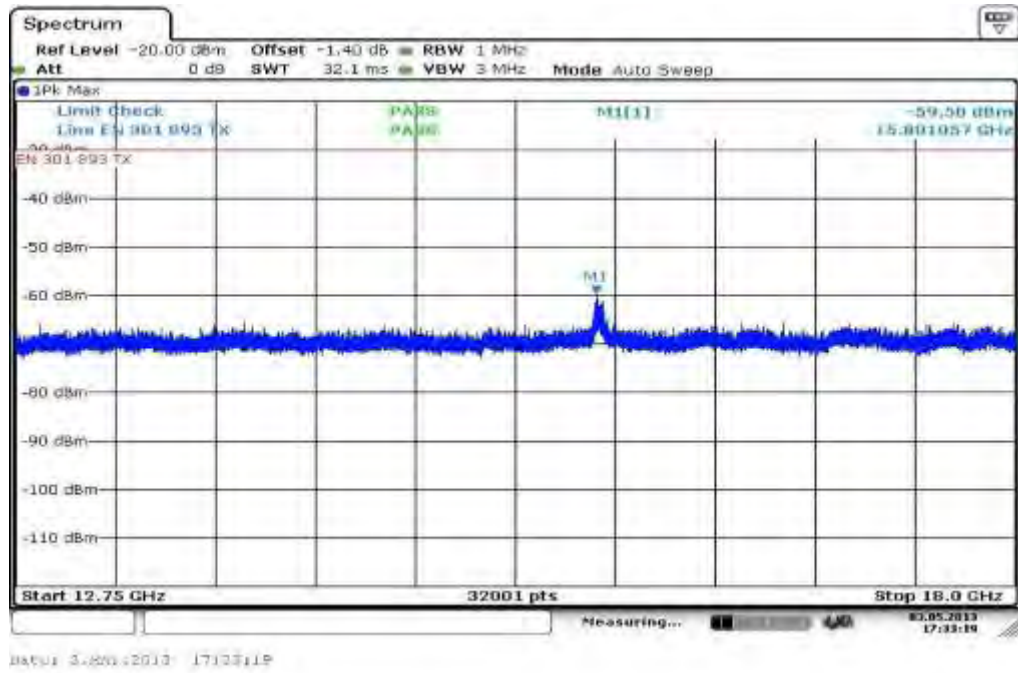
Final Result 1

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	

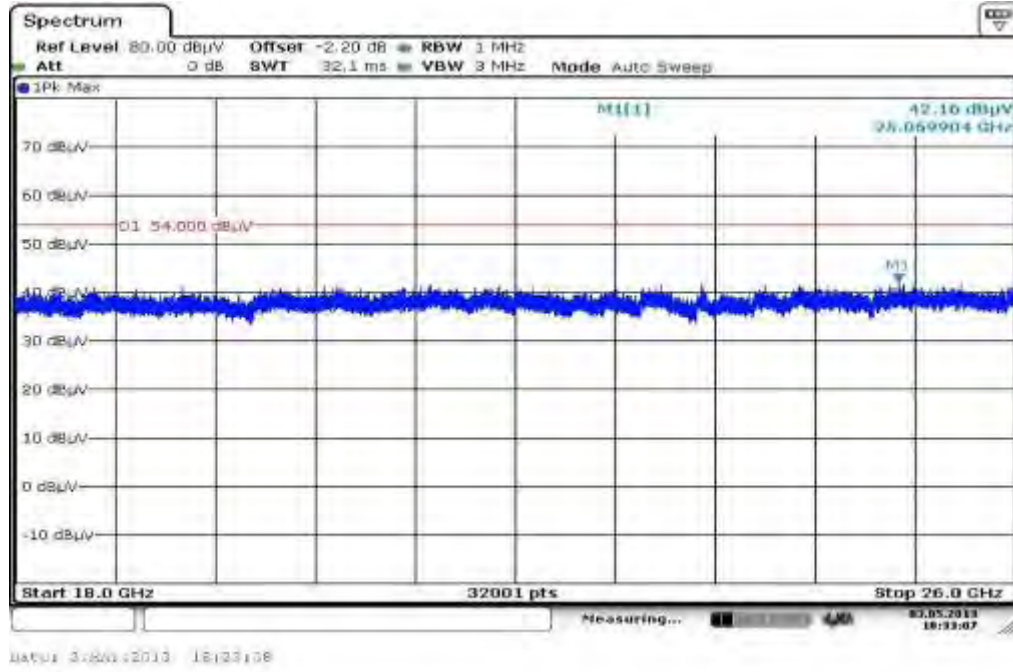
Plot 12: 1 GHz to 12.75 GHz, 5270 MHz, vertical & horizontal polarization



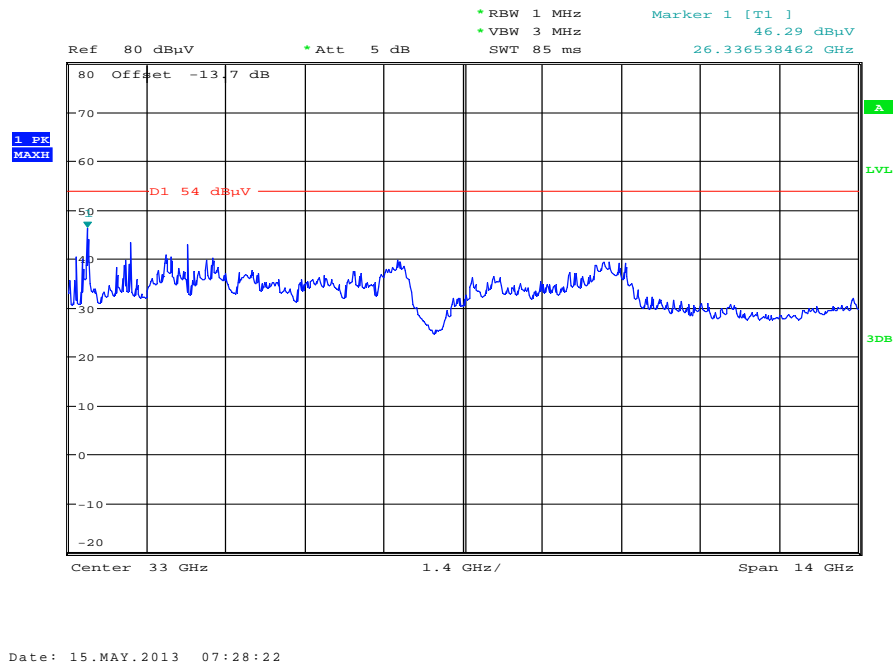
Plot 13: 12 GHz to 18 GHz, 5270 MHz, vertical & horizontal polarization



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

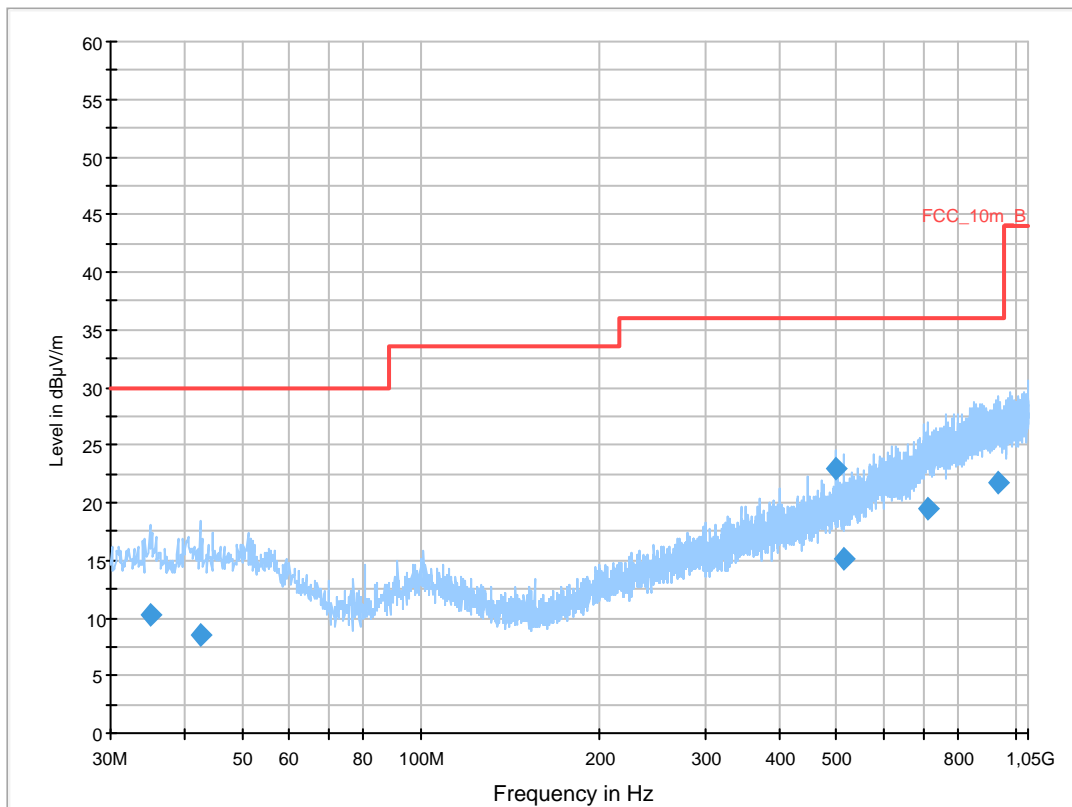
Common Information

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

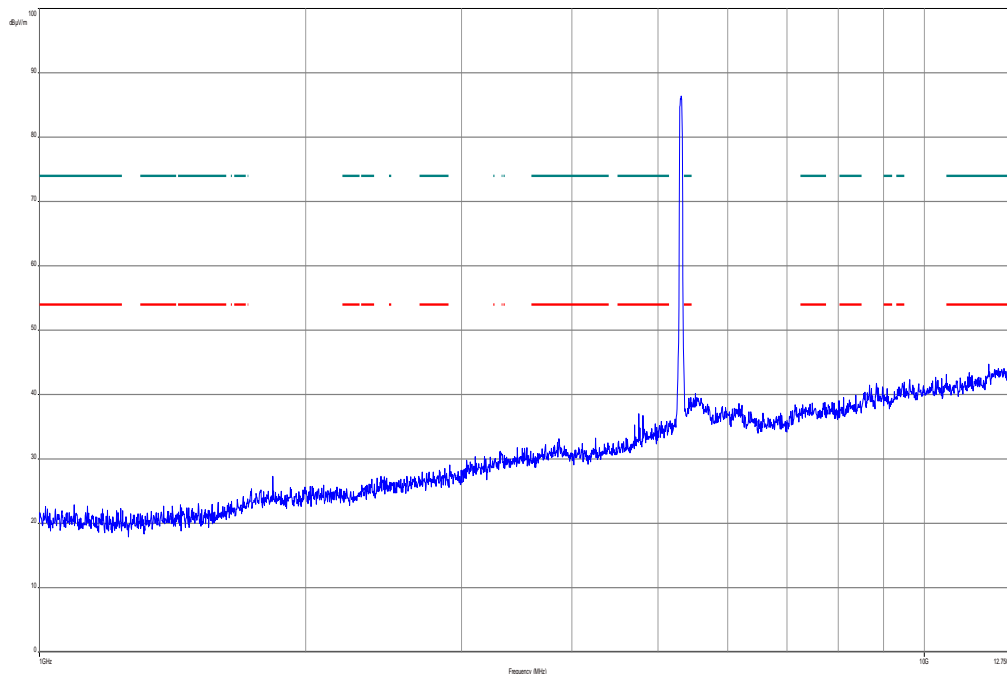
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



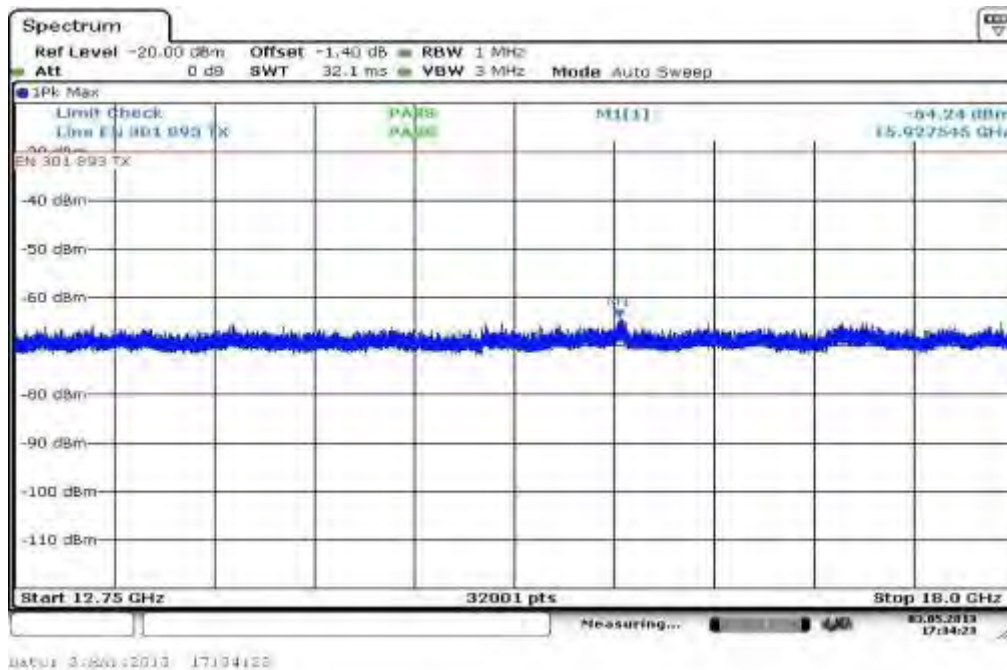
Final Result 1

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	

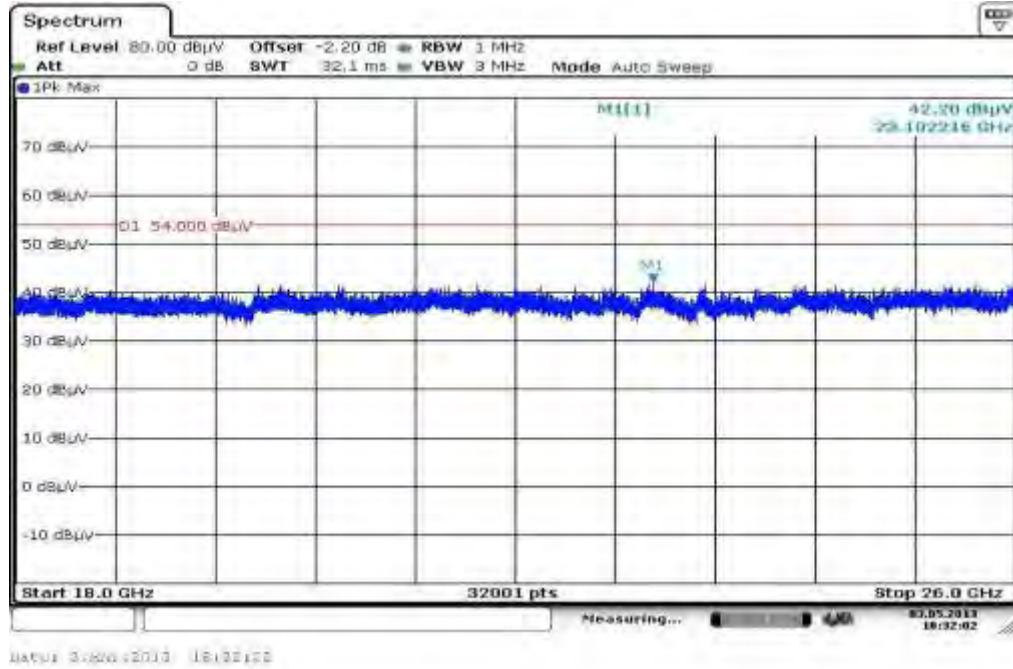
Plot 17: 1 GHz to 12.75 GHz, 5310 MHz, vertical & horizontal polarization



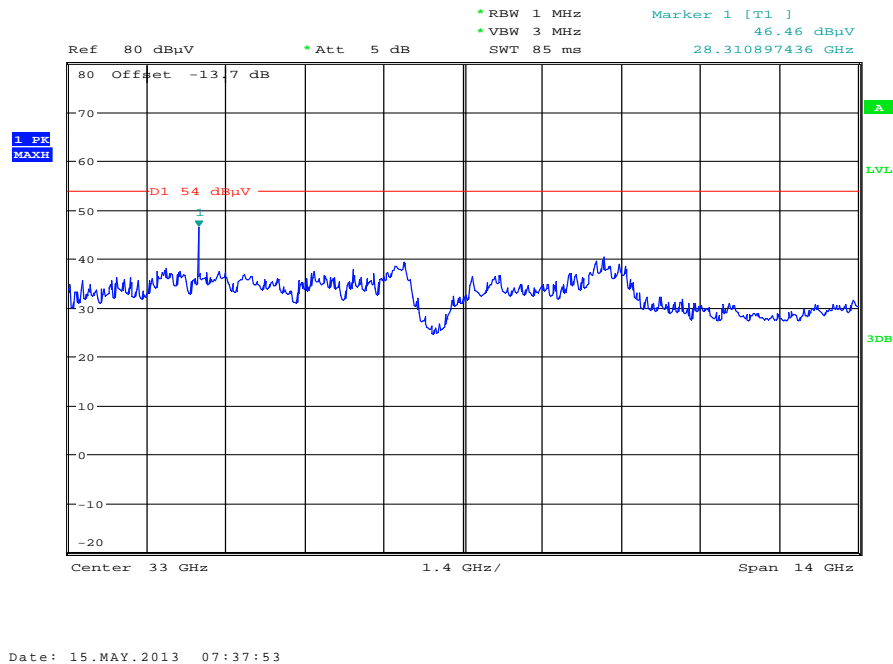
Plot 18: 12 GHz to 18 GHz, 5310 MHz, vertical & horizontal polarization



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

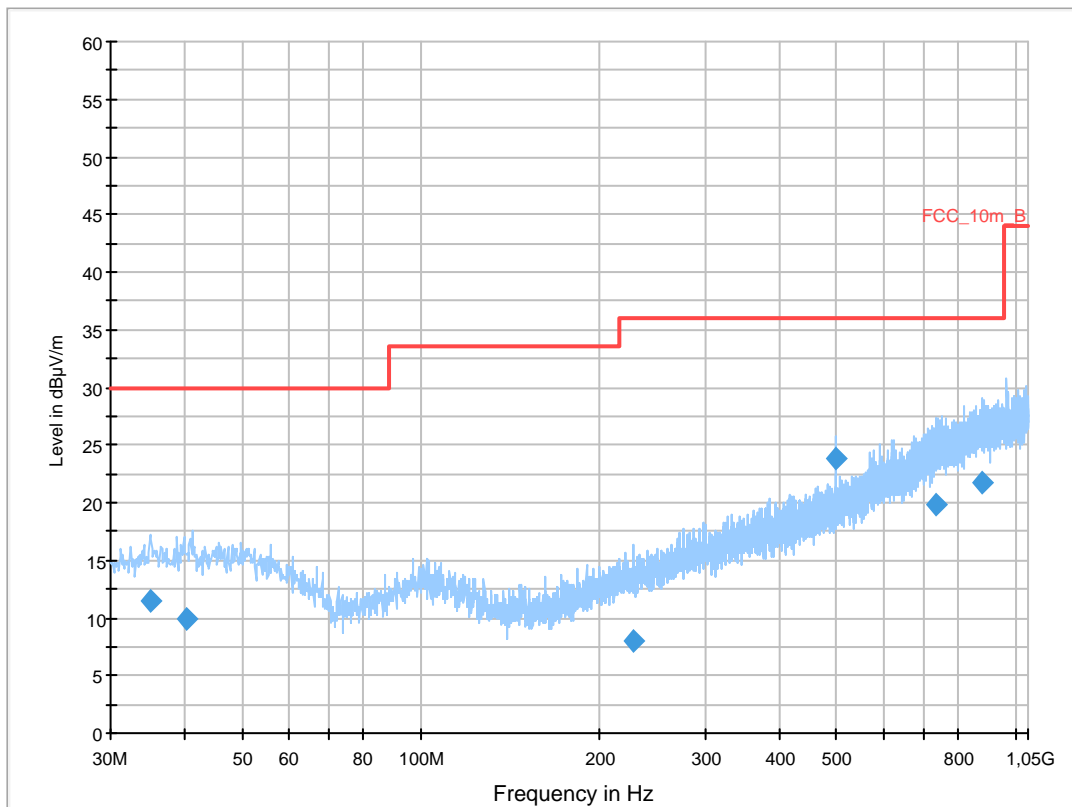
Common Information

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

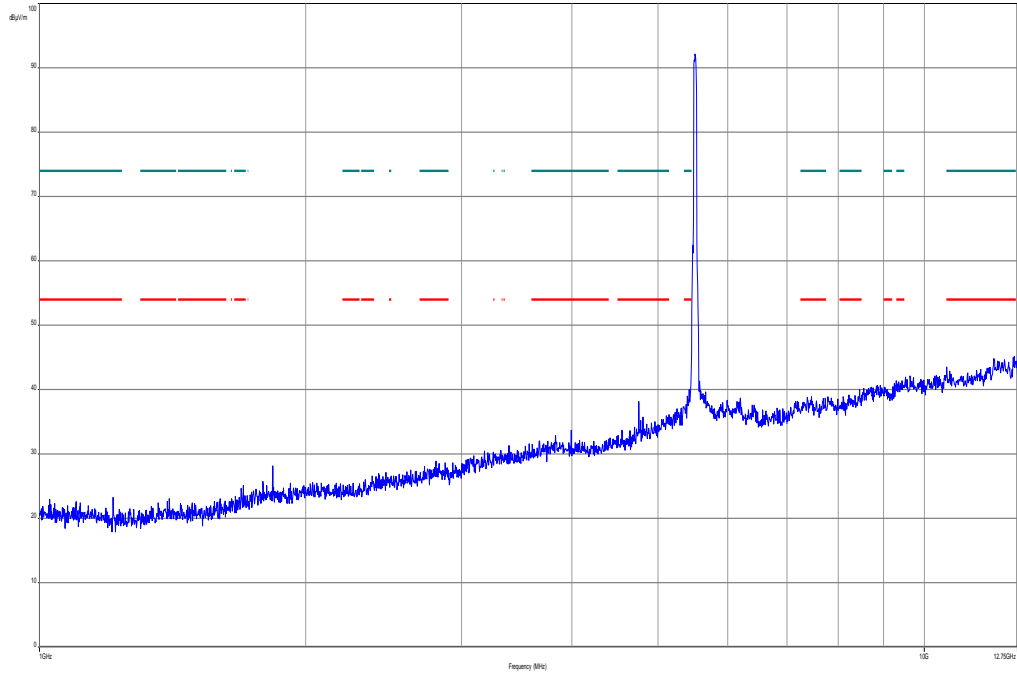
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



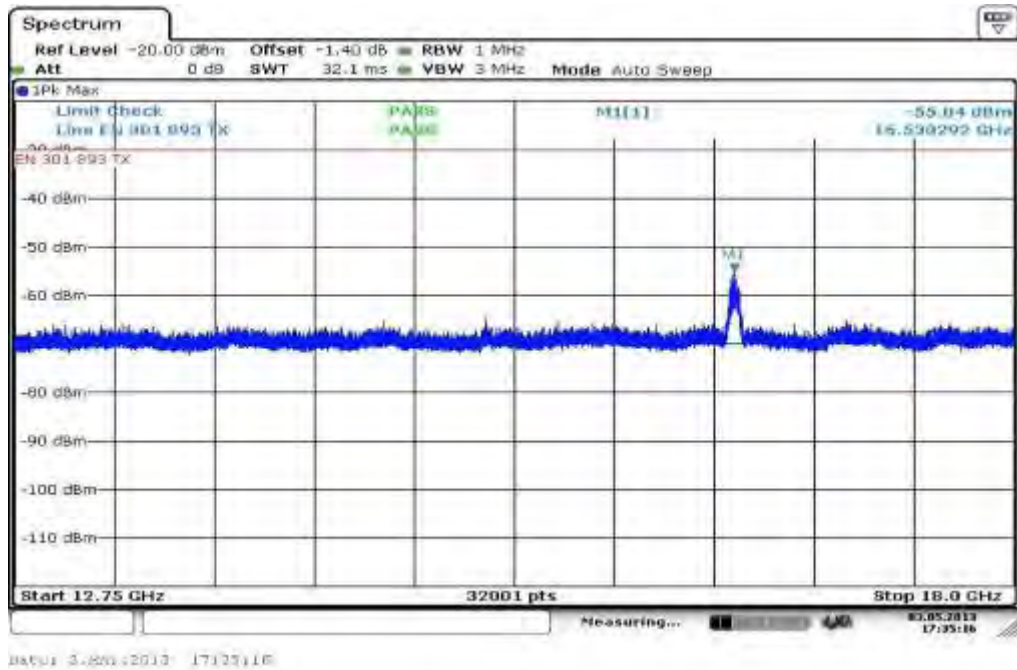
Final Result 1

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	

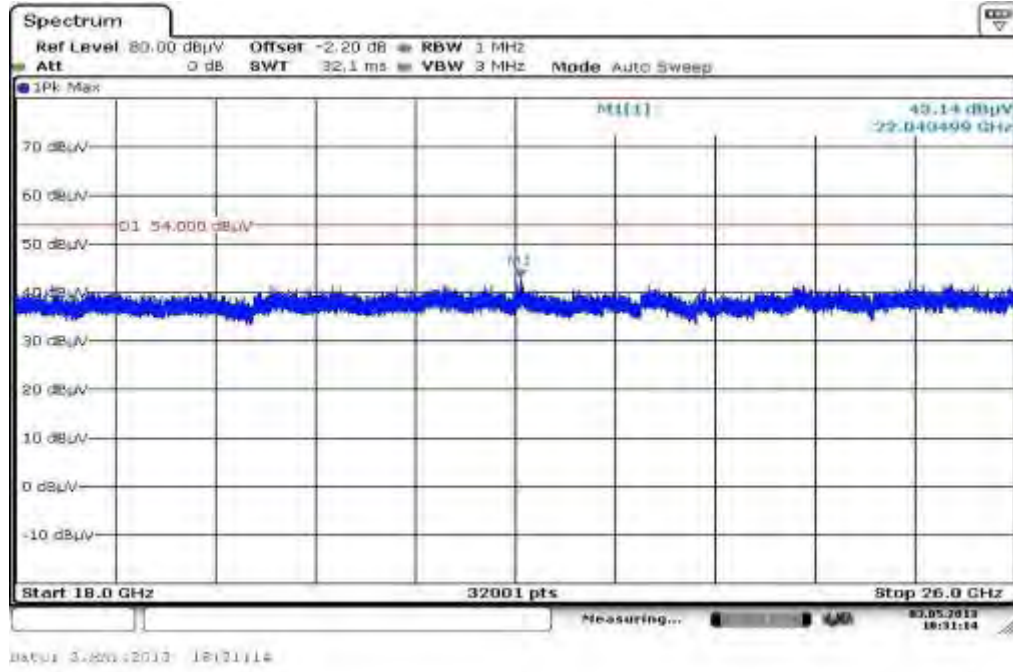
Plot 22: 1 GHz to 12.75 GHz, 5510 MHz, vertical & horizontal polarization



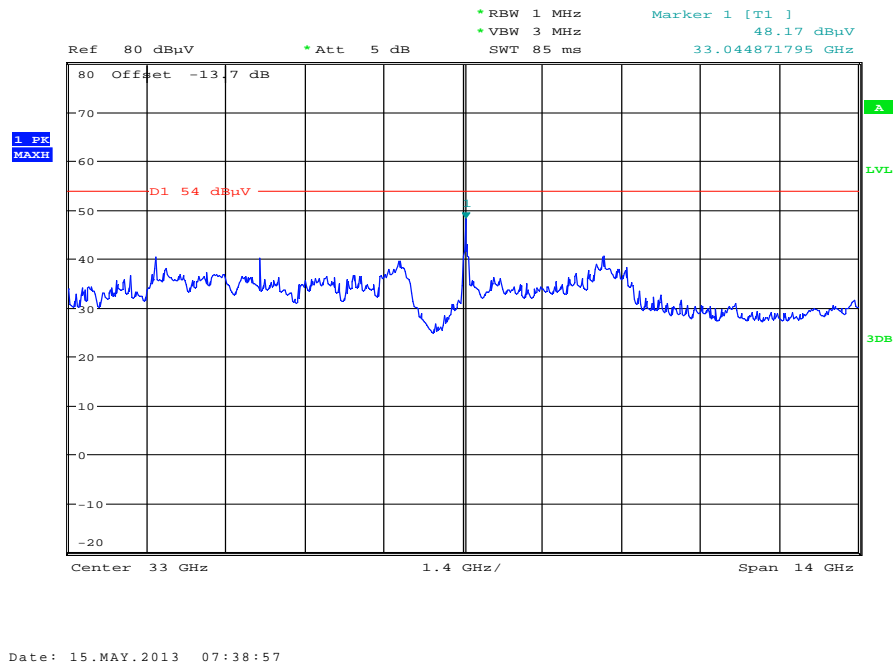
Plot 23: 12 GHz to 18 GHz, 5510 MHz, vertical & horizontal polarization



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



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



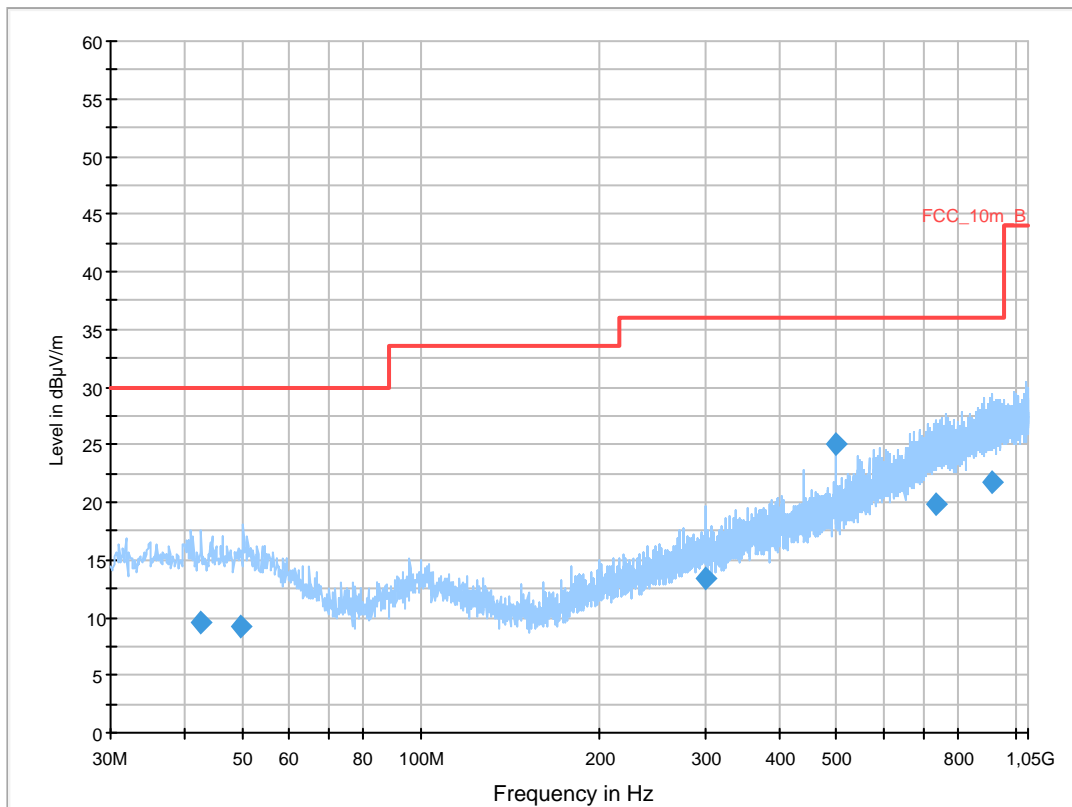
Plot 26: 30 MHz to 1 GHz, 5590 MHz, vertical & horizontal polarization

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]

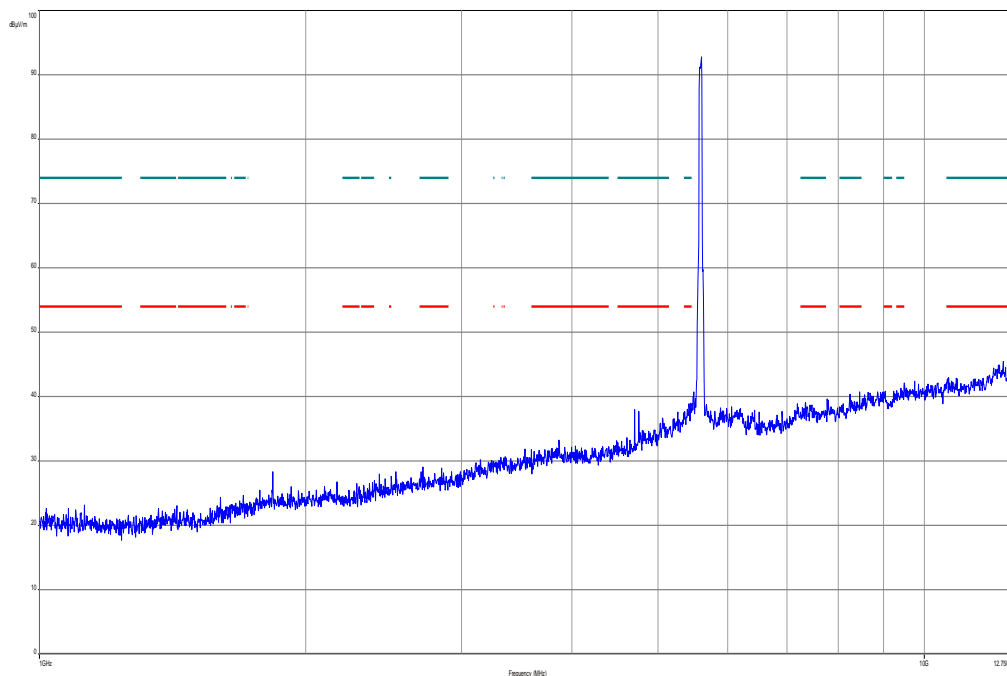
Hardware Setup: Electric Field (NOS)
 Receiver: [ESCI 3]
 Level Unit: dBµV/m
Subrange **Step Size** **Detectors** **IF BW** **Meas. Time** **Preamp**
 30 MHz - 2 GHz 60 kHz QPK 120 kHz 1 s 20 dB



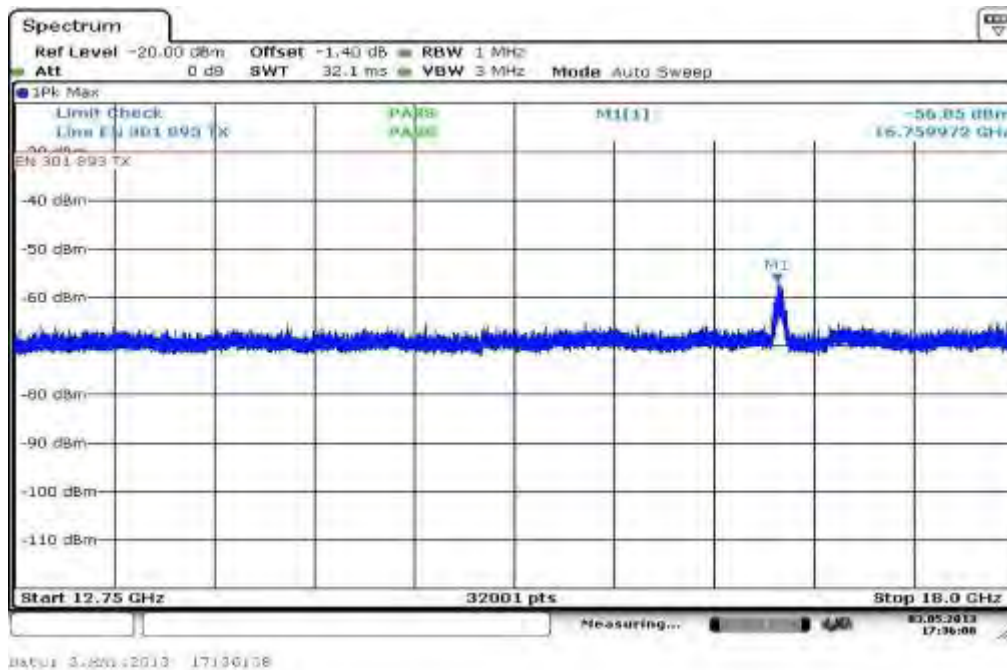
Fnal Result 1

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	

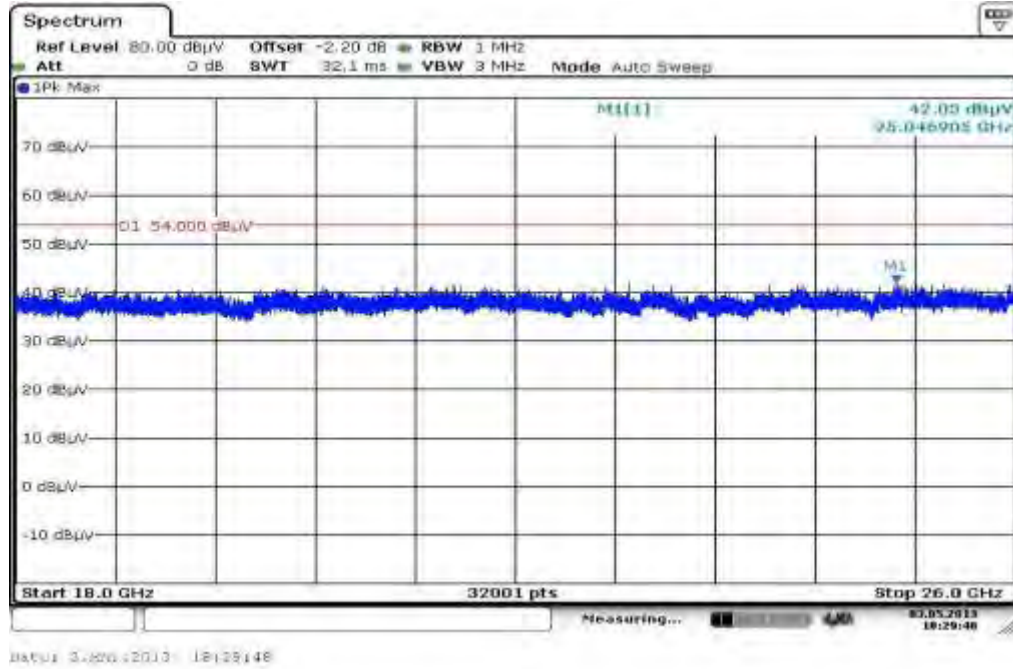
Plot 27: 1 GHz to 12.75 GHz, 5590 MHz, vertical & horizontal polarization



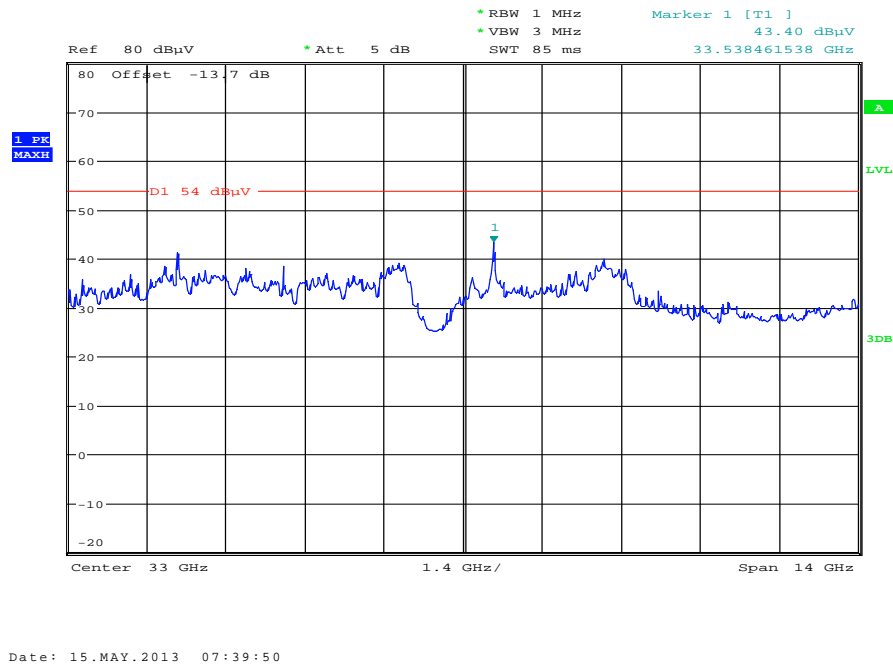
Plot 28: 12 GHz to 18 GHz, 5590 MHz, vertical & horizontal polarization



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

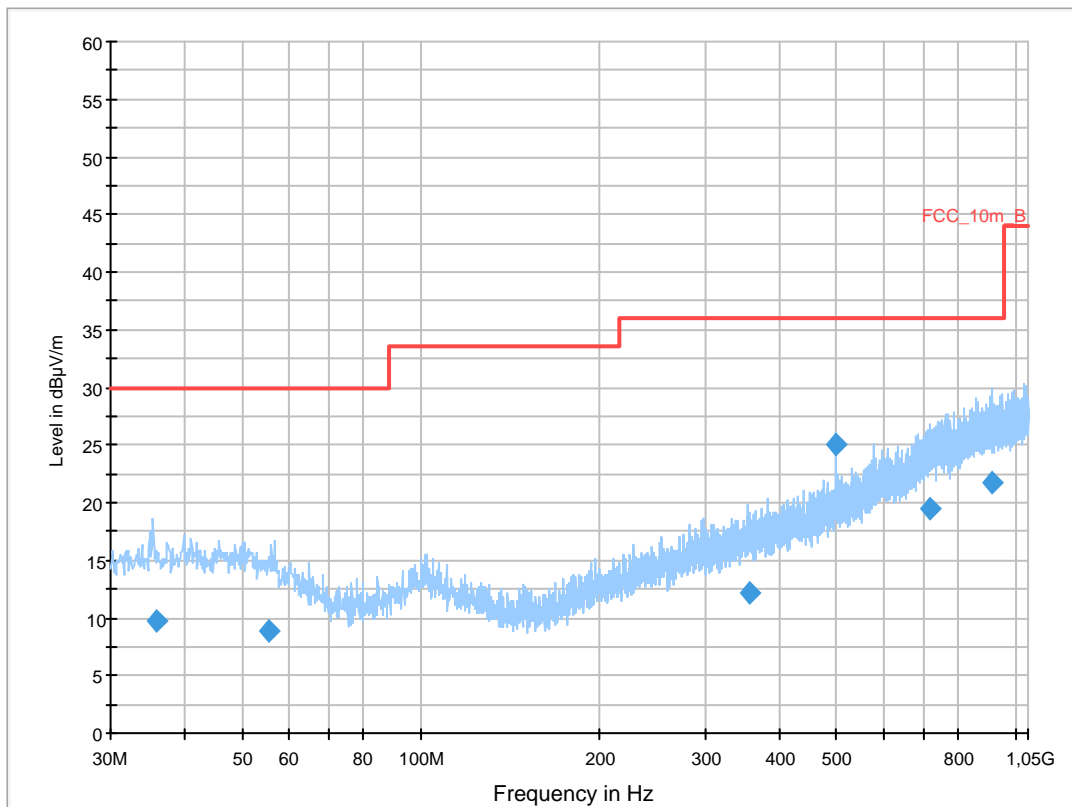
Common Information

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

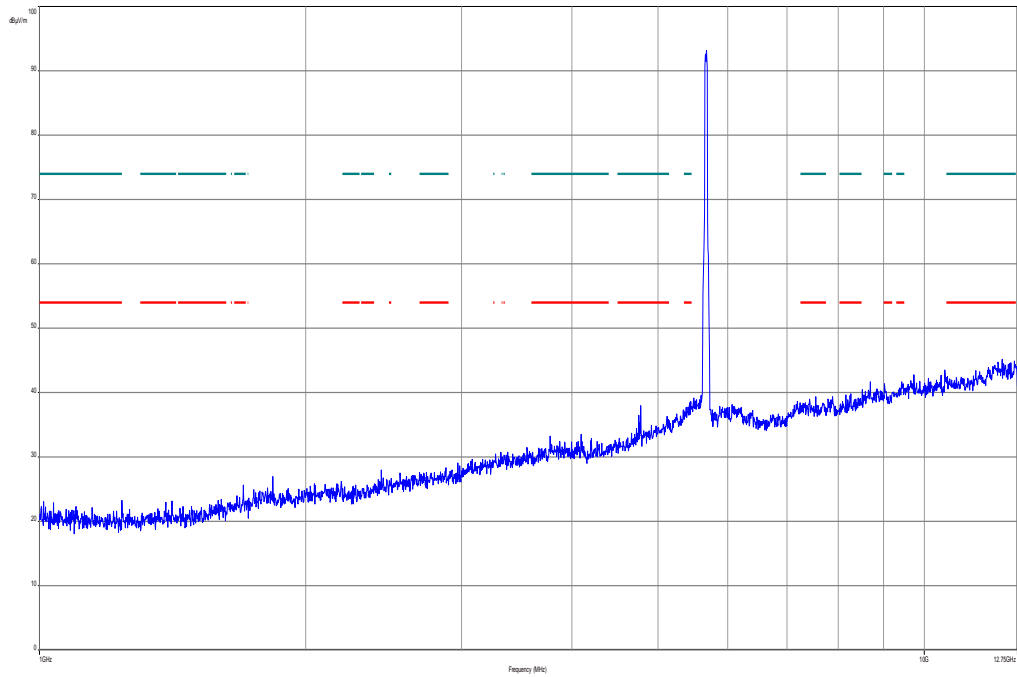
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



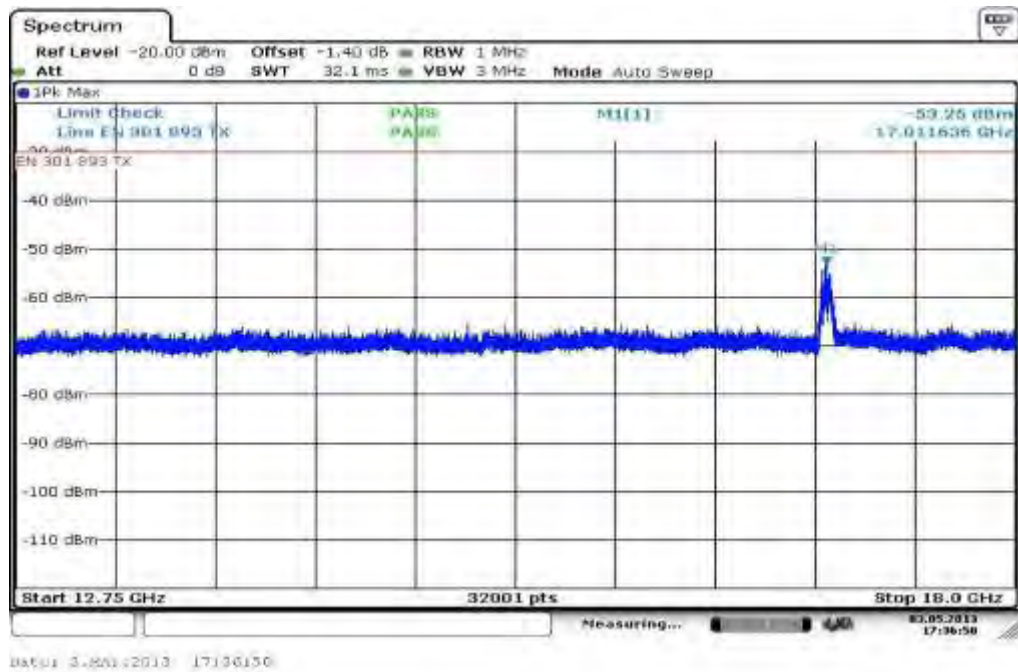
Final Result 1

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	

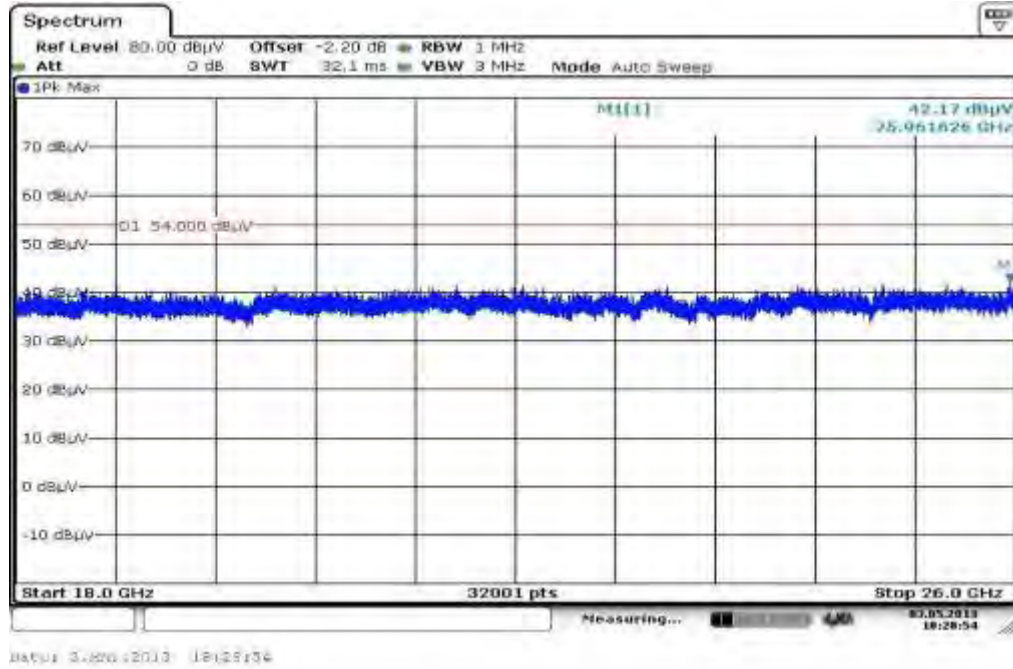
Plot 32: 1 GHz to 12.75 GHz, 5670 MHz, vertical & horizontal polarization



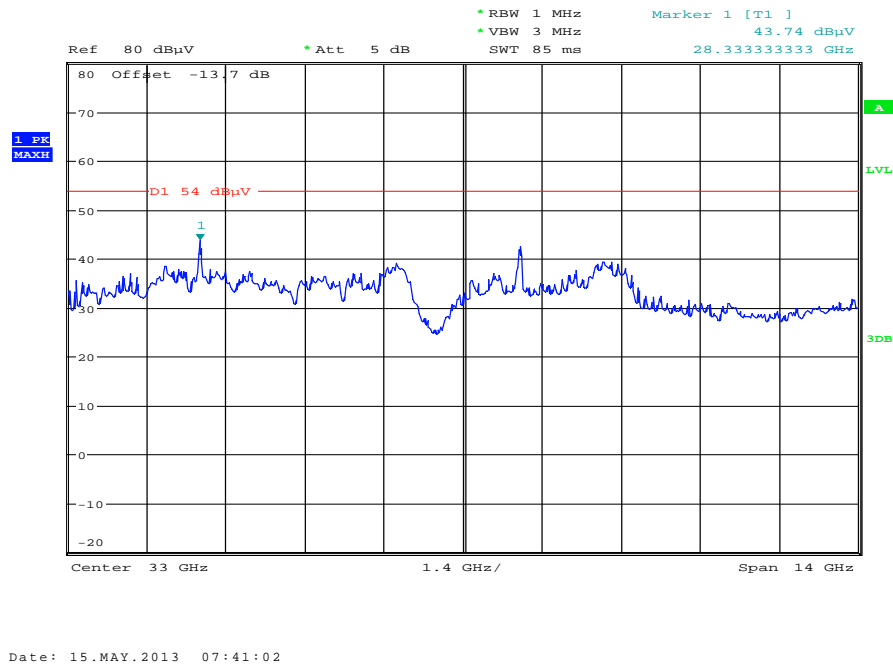
Plot 33: 12 GHz to 18 GHz, 5670 MHz, vertical & horizontal polarization



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



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



11.8 RX spurious emissions radiated

Description:

Measurement of the radiated spurious emissions in idle/receive mode.

Measurement:

Measurement parameter	
Detector:	Quasi Peak below 1 GHz (alternative Peak) Peak above 1 GHz / RMS
Sweep time:	Auto
Resolution bandwidth:	F < 1 GHz: 100 kHz F > 1 GHz: 1 MHz
Video bandwidth:	F < 1 GHz: 100 kHz F > 1 GHz: ≥ 3 MHz /10 Hz
Span:	30 MHz to 40 GHz
Trace-Mode:	Max Hold / Average with 100 counts + 20 log (1 / X) for duty cycle lower than 100 %

Limits:

RX Spurious Emissions Radiated		
Frequency (MHz)	Field Strength (dB μ V/m)	Measurement distance
30 - 88	30.0	10
88 – 216	33.5	10
216 – 960	36.0	10
Above 960	54.0	3

Results:

RX Spurious Emissions Radiated [dB μ V/m]		
F [MHz]	Detector	Level [dB μ V/m]
No critical peaks found		
Measurement uncertainty	± 3 dB	

Result: Passed

Plots: RX / Idle – mode Antenna M3002-66494

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

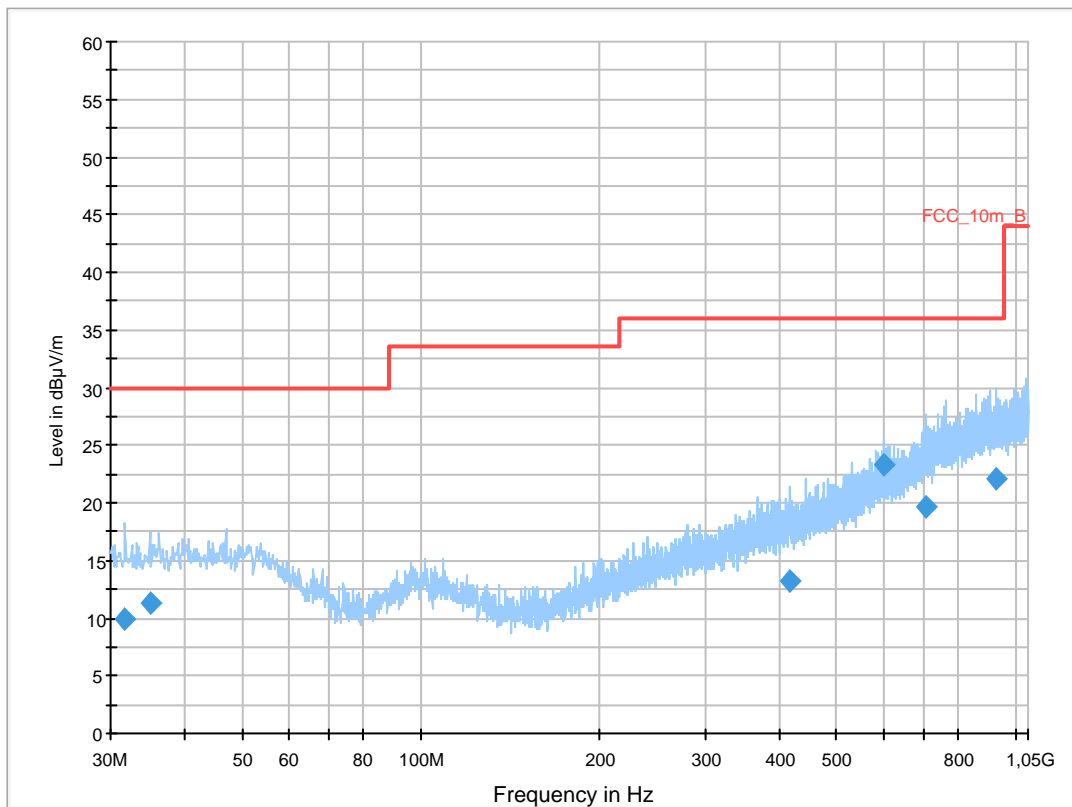
Common Information

EUT: WLANBV2-A + antenna M3002-66494
 Serial Number: eval 2
 Test Description: FCC part 15 B class B @ 10 m
 Operating Conditions: wlan n-mode rx @5300MHz
 Operator Name: Wolsdorfer
 Comment: DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

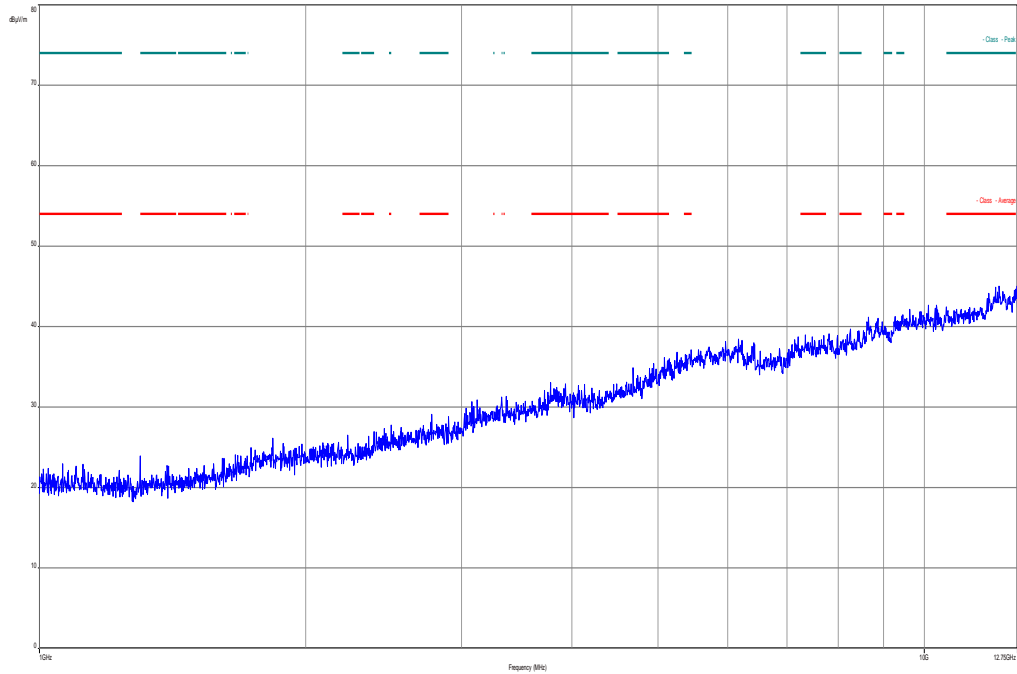
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



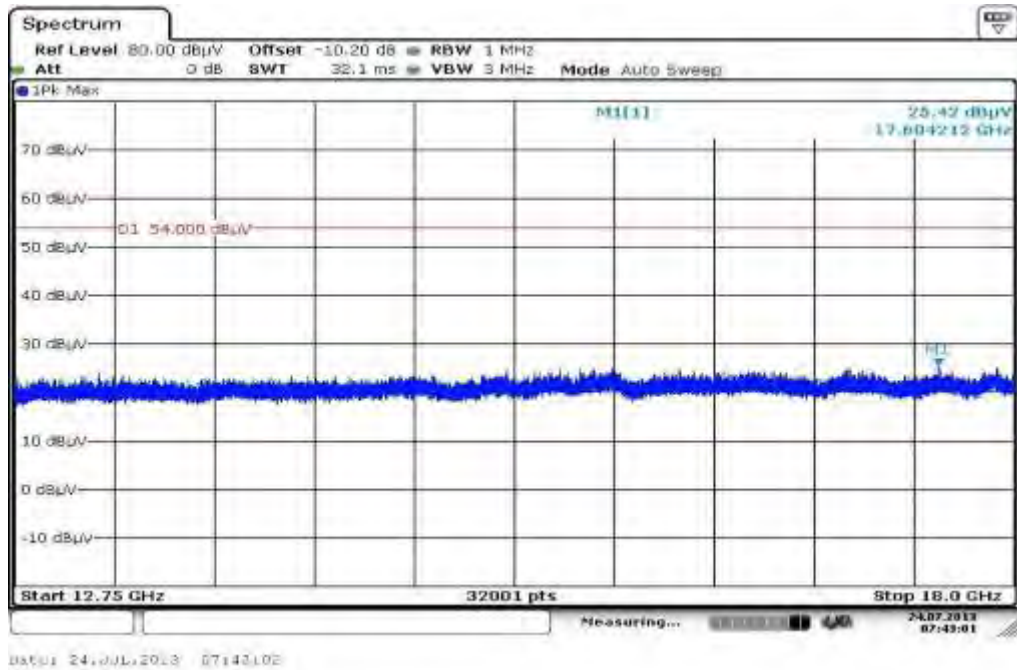
Final Result 1

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

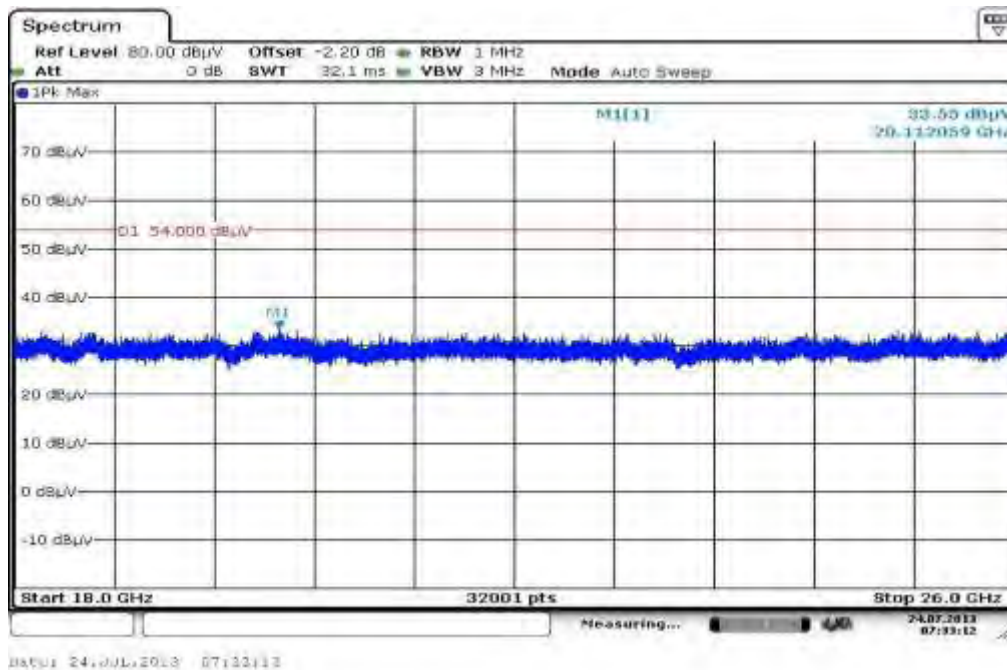
Plot 2: 1 GHz to 12.75 GHz, vertical & horizontal polarization



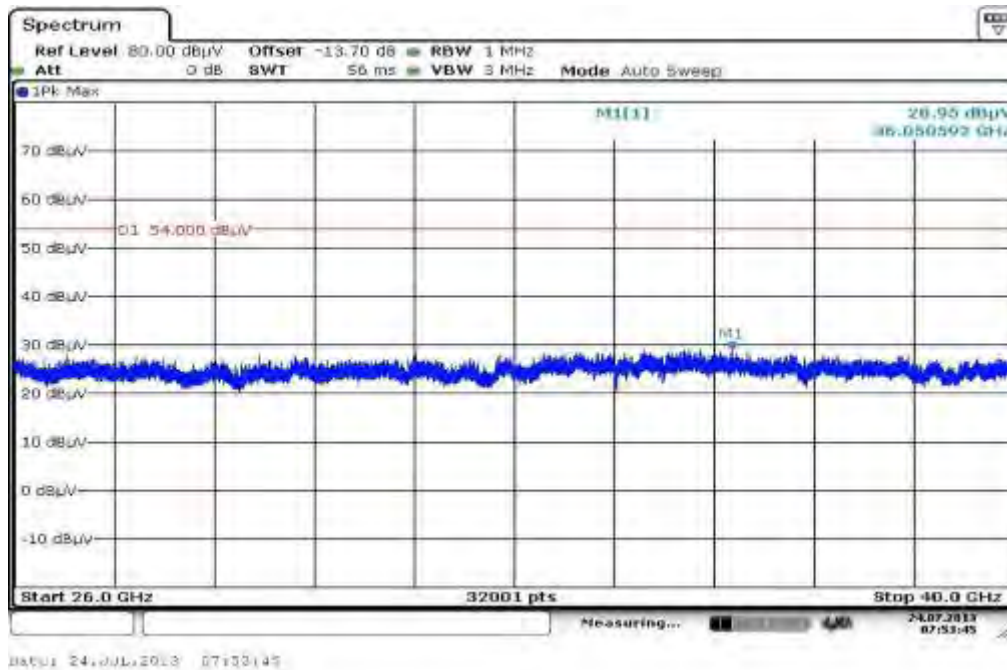
Plot 3: 12 GHz to 18 GHz, vertical & horizontal polarization



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



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



Plots: RX / Idle – mode Antenna 453564154611

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

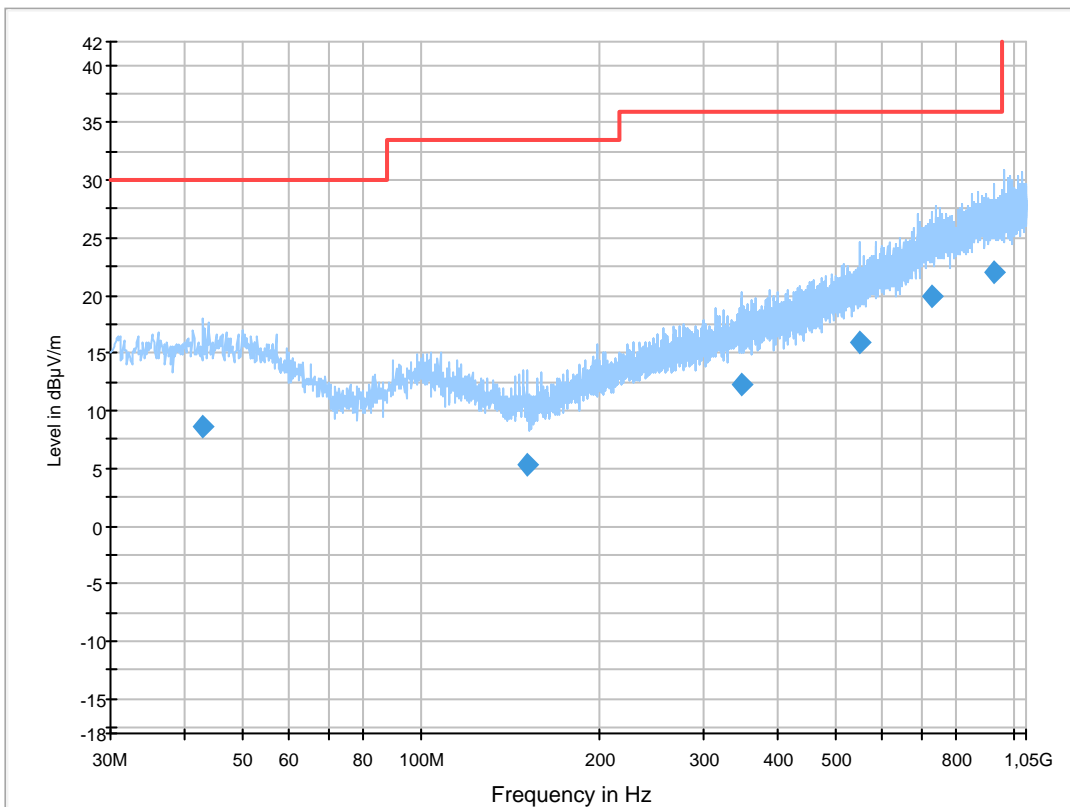
Common Information

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

Scan Setup: STAN_Fin [EMI radiated]

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

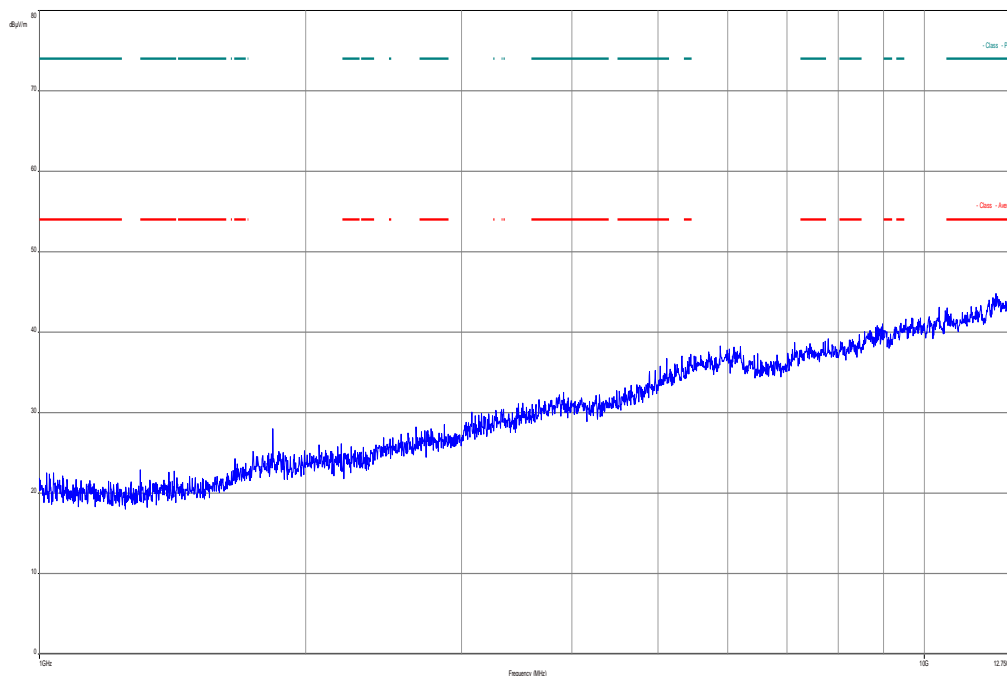
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



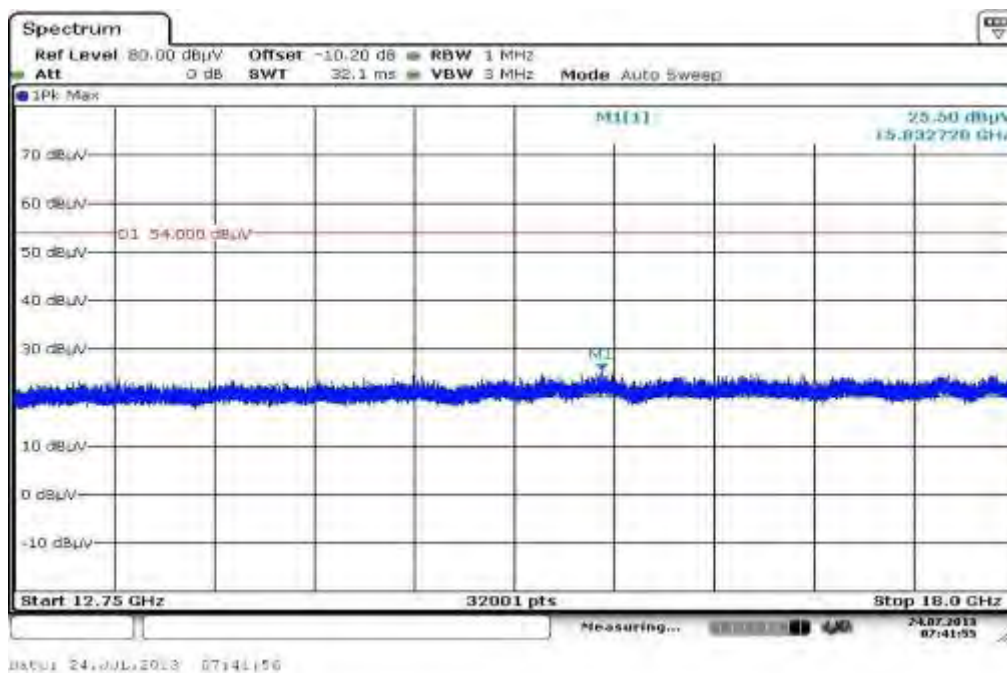
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
42.994350	8.7	1000.0	120.000	170.0	V	261.0	13.3	21.3	30.0	
151.301250	5.4	1000.0	120.000	133.0	V	261.0	9.0	28.1	33.5	
348.758250	12.2	1000.0	120.000	170.0	H	10.0	16.0	23.8	36.0	
551.631450	15.9	1000.0	120.000	170.0	V	268.0	19.4	20.1	36.0	
730.294500	20.0	1000.0	120.000	98.0	V	261.0	23.2	16.0	36.0	
926.574450	22.0	1000.0	120.000	162.0	H	80.0	25.3	14.0	36.0	

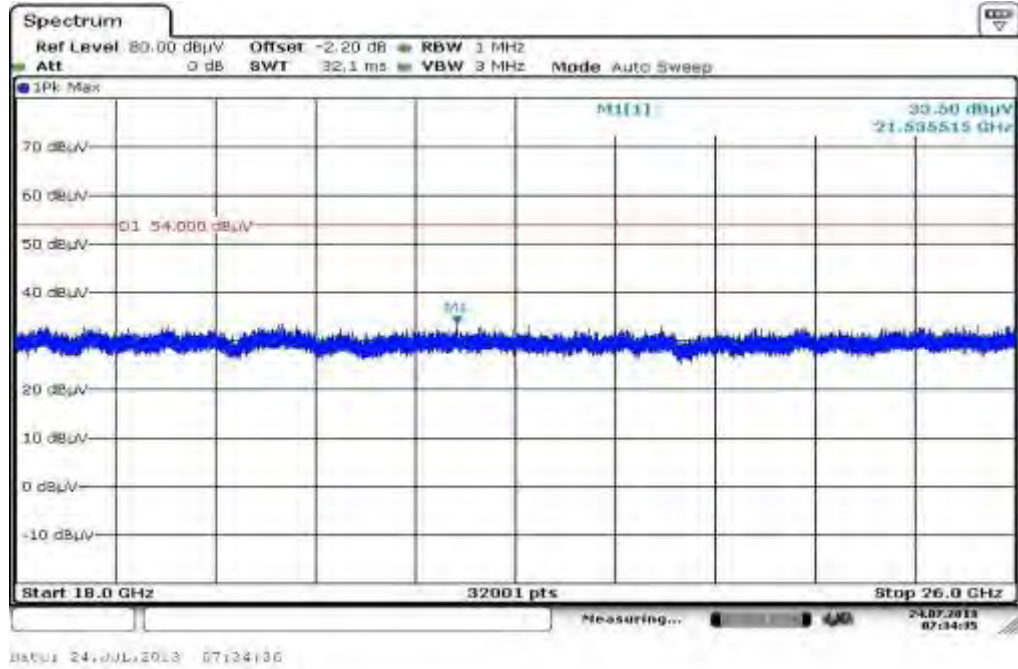
Plot 7: 1 GHz to 12.75 GHz, vertical & horizontal polarization



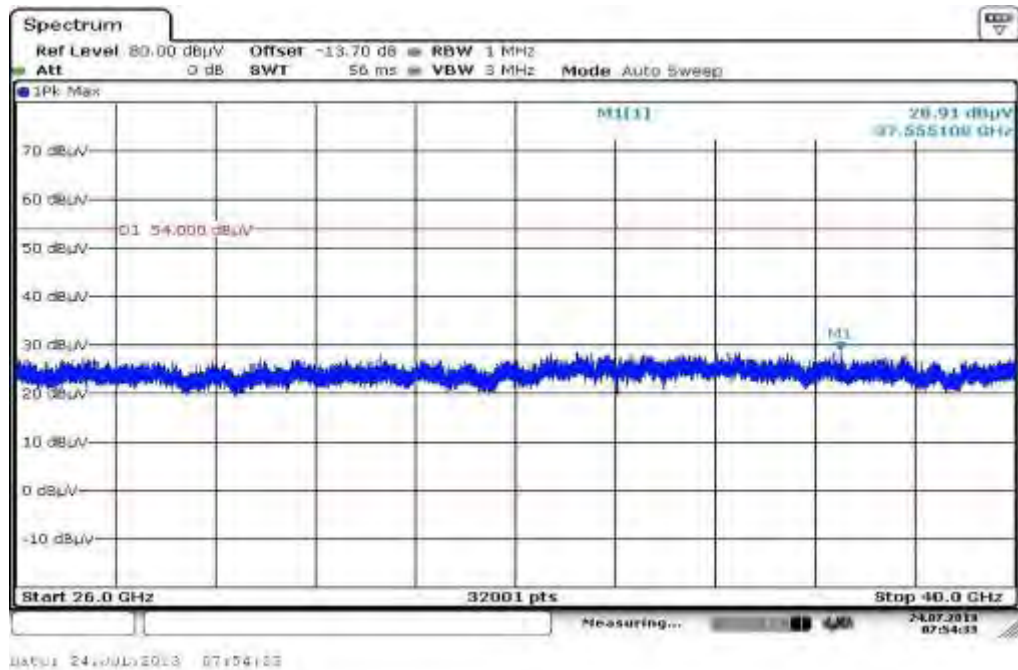
Plot 8: 12 GHz to 18 GHz, vertical & horizontal polarization



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



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



Plots: RX / Idle – mode Antenna 453564175981

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

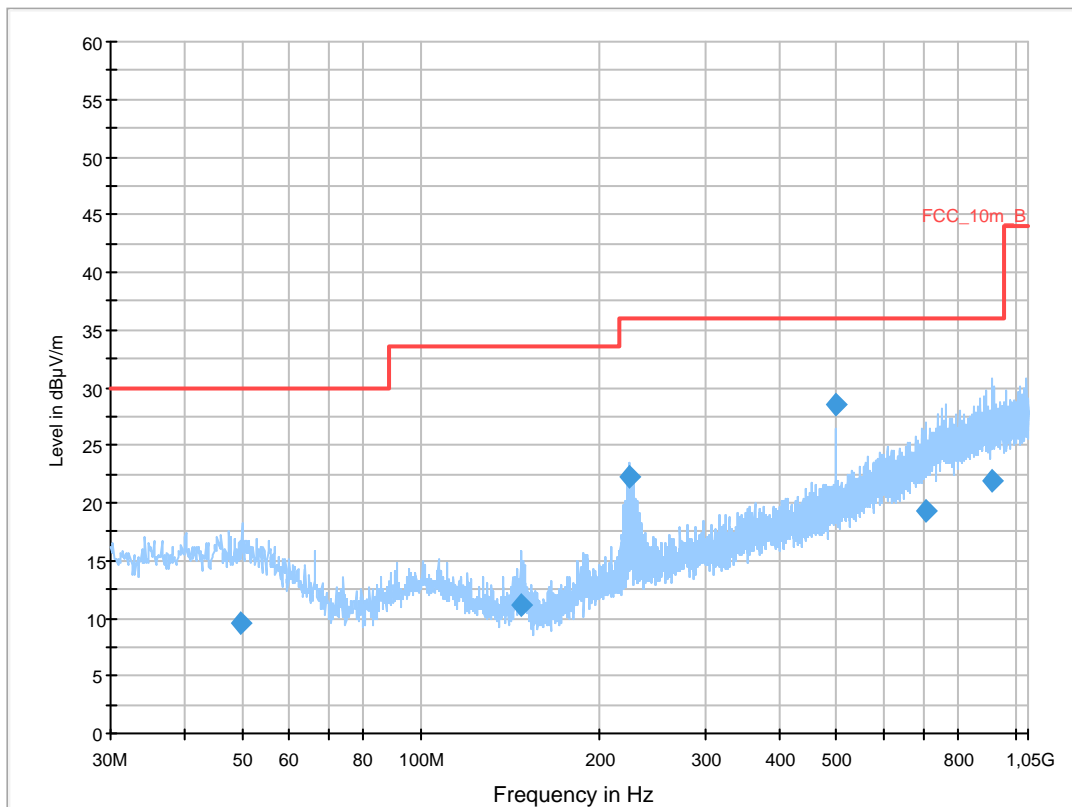
Common Information

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

Scan Setup: STAN_Fin [EMI radiated]

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

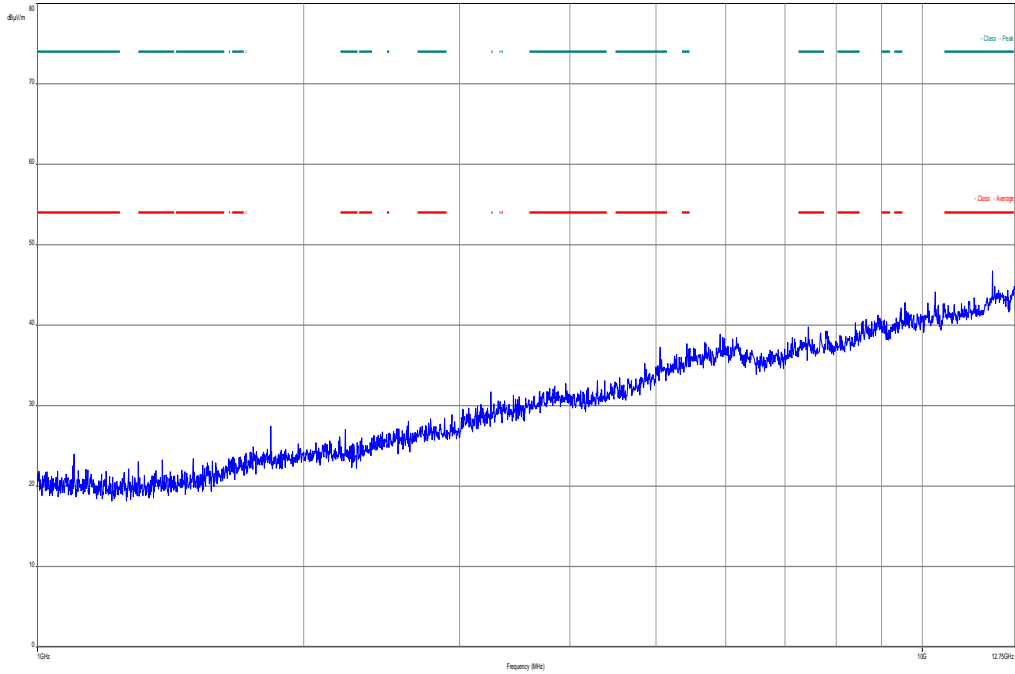
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



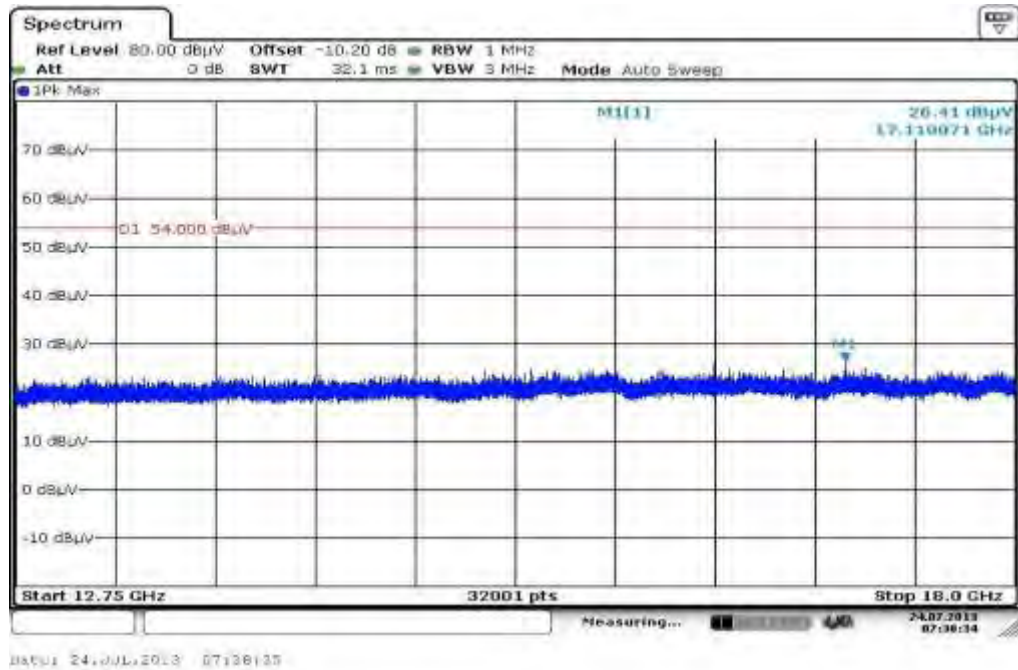
Final Result 1

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

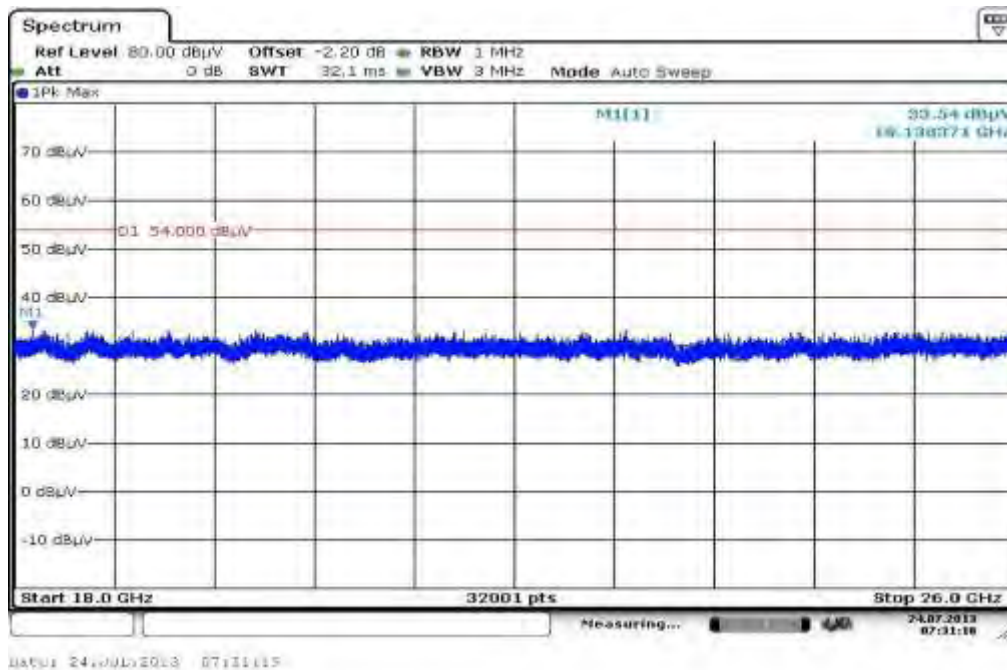
Plot 12: 1 GHz to 12.75 GHz, vertical & horizontal polarization



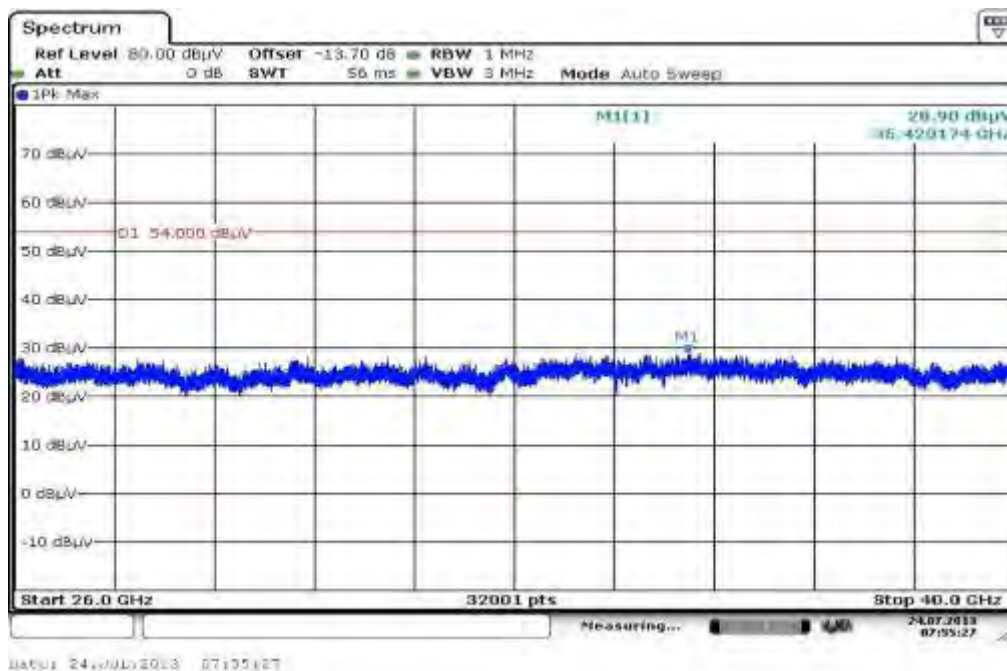
Plot 13: 12 GHz to 18 GHz, vertical & horizontal polarization



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



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



Plots: RX / Idle – mode Antenna 453564271931

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

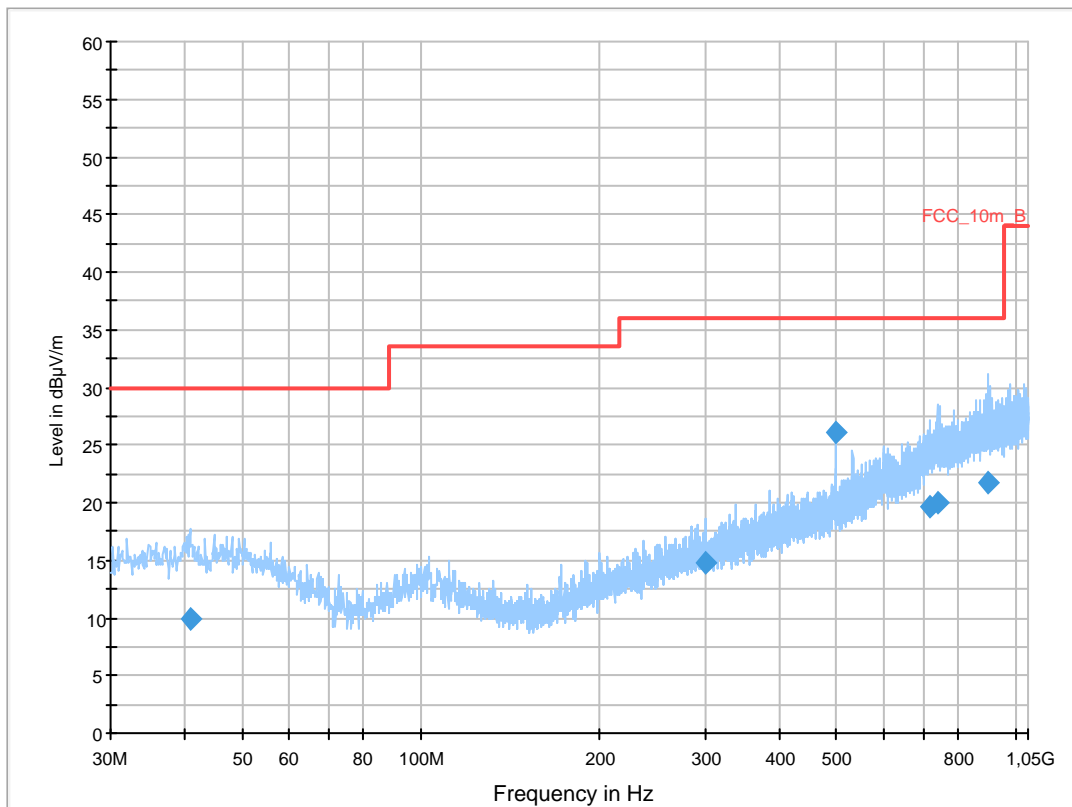
Common Information

EUT: WLANBV2-A + antenna 453564271931
 Serial Number: eval
 Test Description: FCC part 15 C class B @ 10 m
 Operating Conditions: wlan rx n-mode @5500MHz
 Operator Name: Wolsdorfer
 Comment: DC 5V

Scan Setup: STAN_Fin [EMI radiated]

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

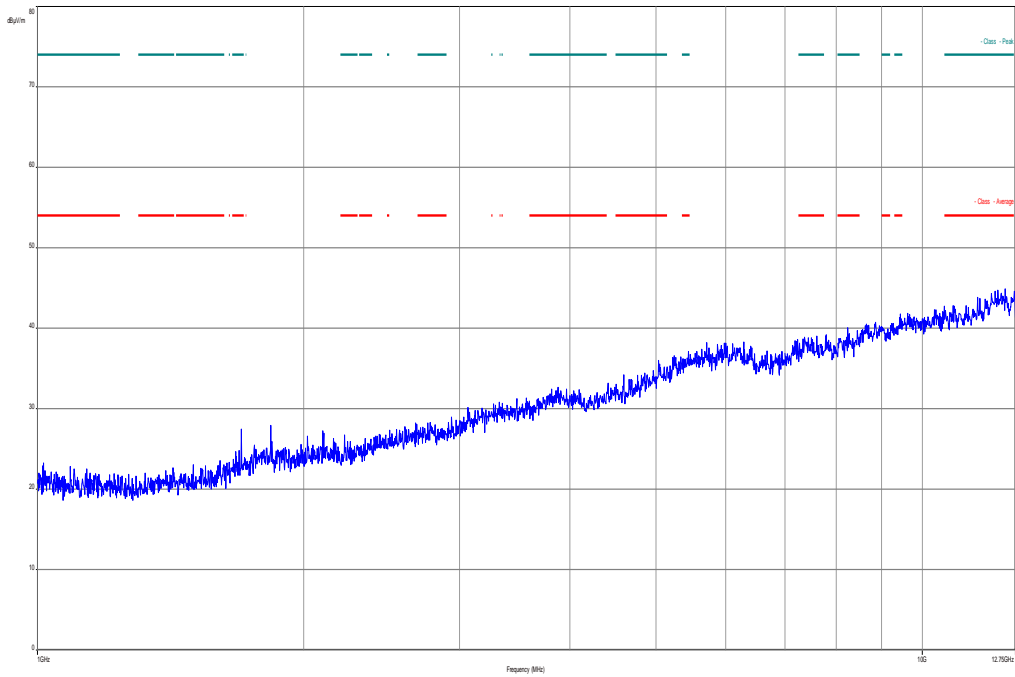
Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 2 GHz	60 kHz	QPK	120 kHz	1 s	20 dB



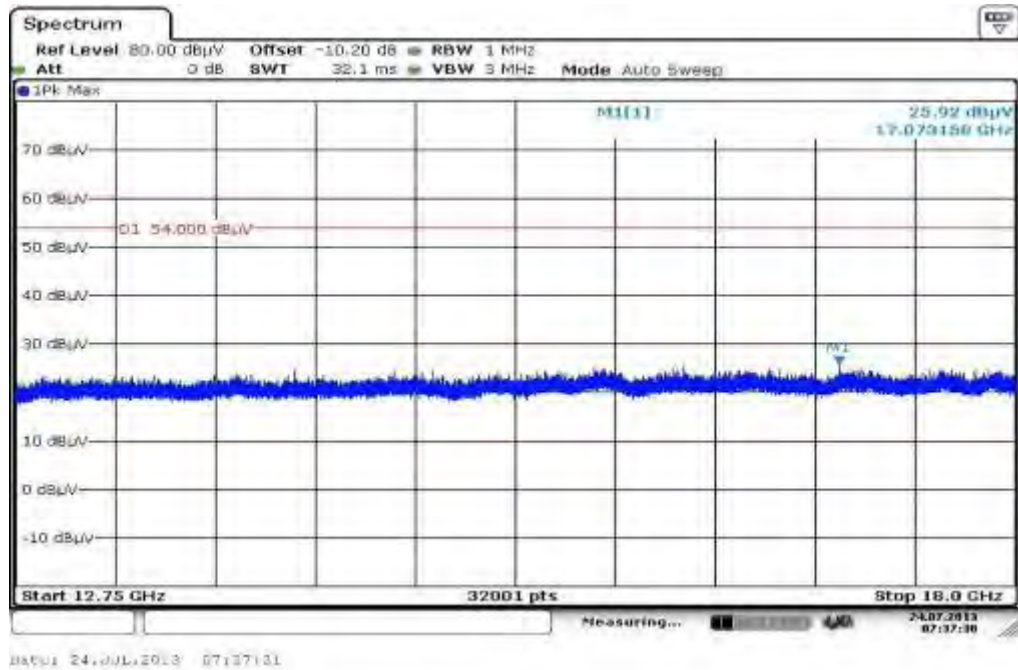
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
40.825650	9.8	1000.0	120.000	170.0	H	100.0	13.4	20.2	30.0	
299.992350	14.7	1000.0	120.000	170.0	H	-2.0	14.5	21.3	36.0	
499.996950	26.1	1000.0	120.000	170.0	H	-3.0	18.7	9.9	36.0	
716.641800	19.6	1000.0	120.000	170.0	V	81.0	22.9	16.4	36.0	
737.995050	20.0	1000.0	120.000	170.0	V	171.0	23.4	16.0	36.0	
897.068550	21.8	1000.0	120.000	154.0	V	260.0	25.2	14.2	36.0	

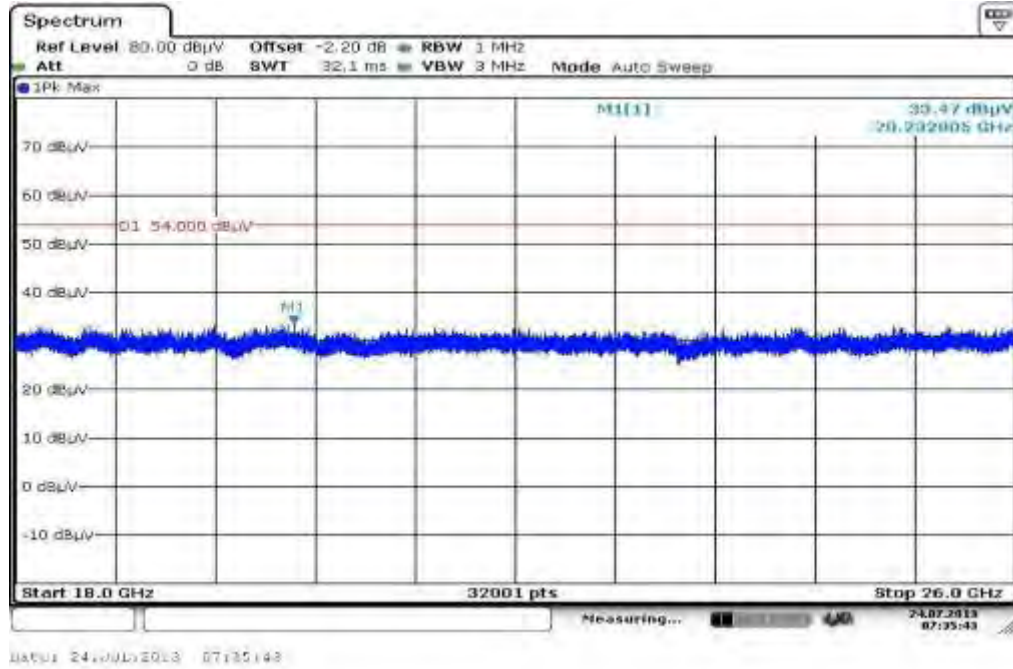
Plot 17: 1 GHz to 12.75 GHz, vertical & horizontal polarization



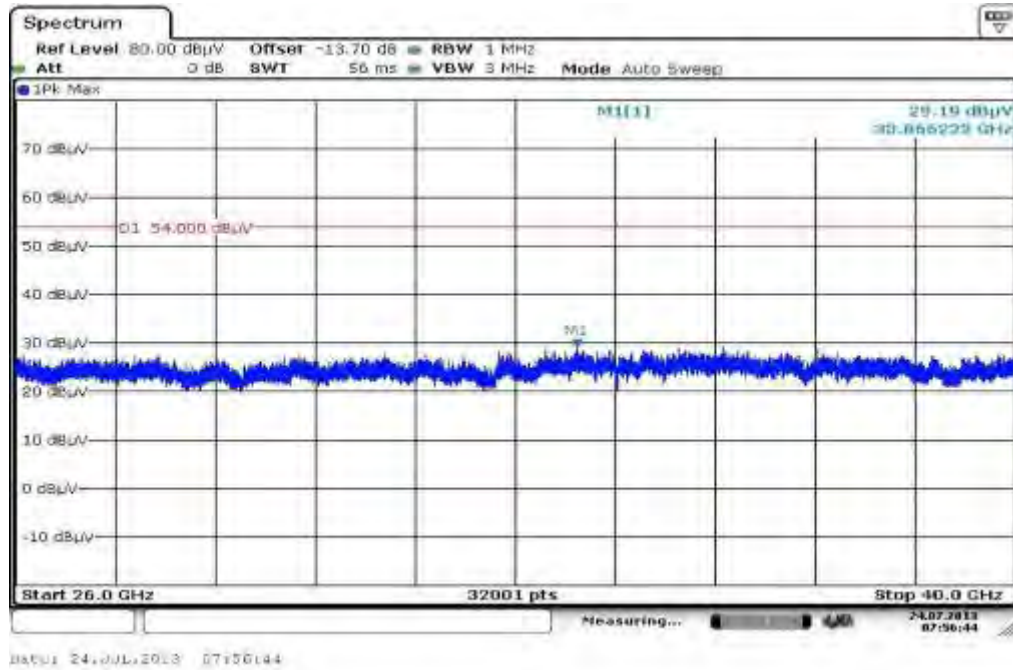
Plot 18: 12 GHz to 18 GHz, vertical & horizontal polarization



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



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



11.9 Spurious emissions radiated < 30 MHz

Description:

Measurement of the radiated spurious emissions in transmit mode and receive mode below 30 MHz. The EUT is set first to middle channel. This measurement is representative for all channels and modes. If critical peaks are found the lowest channel and the highest channel will be measured too. Then the EUT is set to receive or idle mode. The limits are recalculated to a measurement distance of 3 m with 40 dB/decade according CFR Part 2.

Measurement:

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

Limits:

Spurious Emissions Radiated < 30 MHz		
Frequency (MHz)	Field Strength (dB μ V/m)	Measurement distance
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30

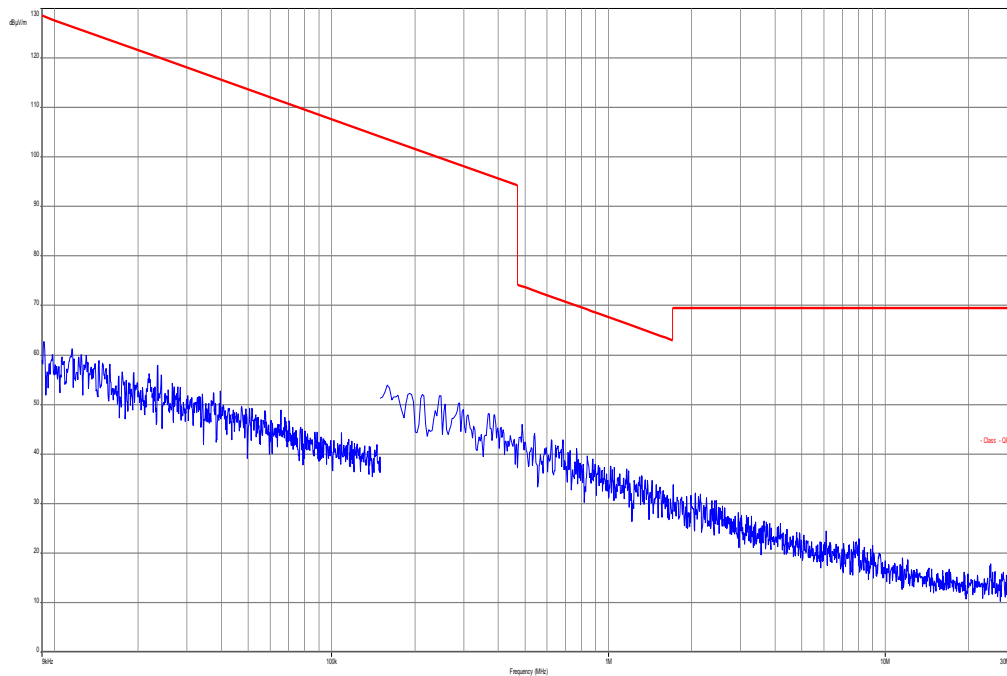
Results:

Spurious Emissions Radiated < 30 MHz [dB μ V/m]		
F [MHz]	Detector	Level [dB μ V/m]
No critical peaks found		
Measurement uncertainty	± 3 dB	

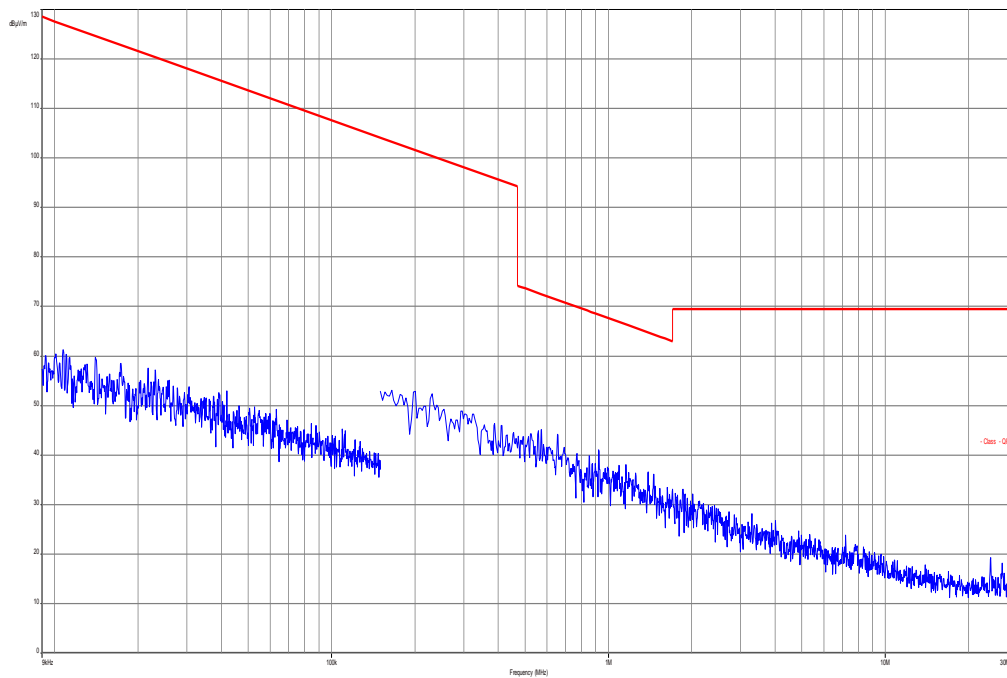
Result: Passed

Plots Antenna M3002-66494:

Plot 1: 9 kHz to 30 MHz, TX mode

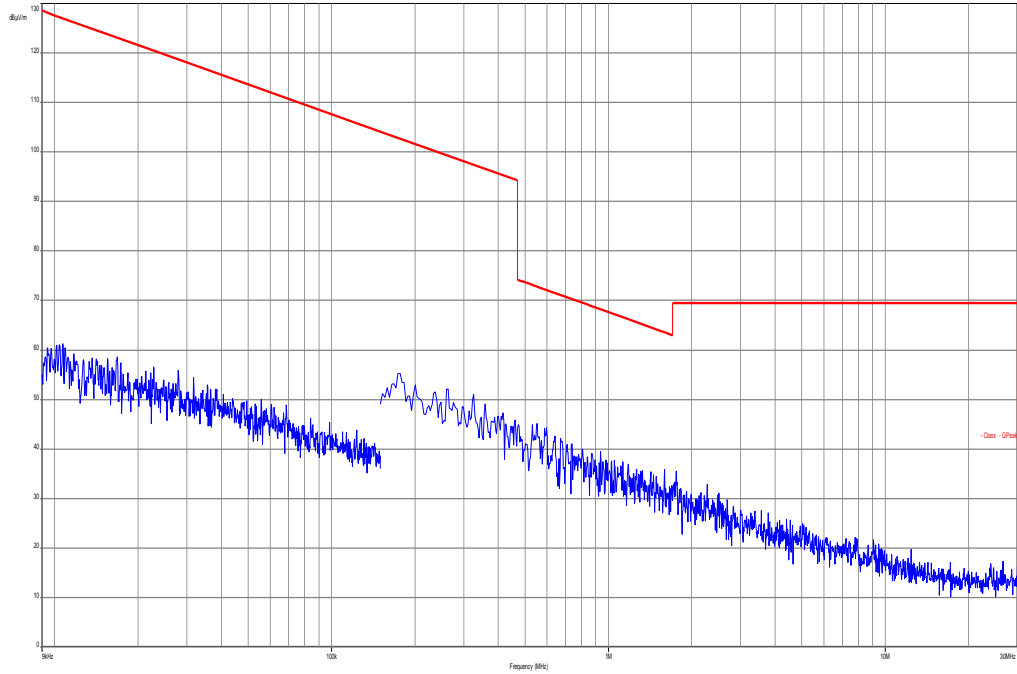


Plot 2: 9 kHz to 30 MHz, RX mode

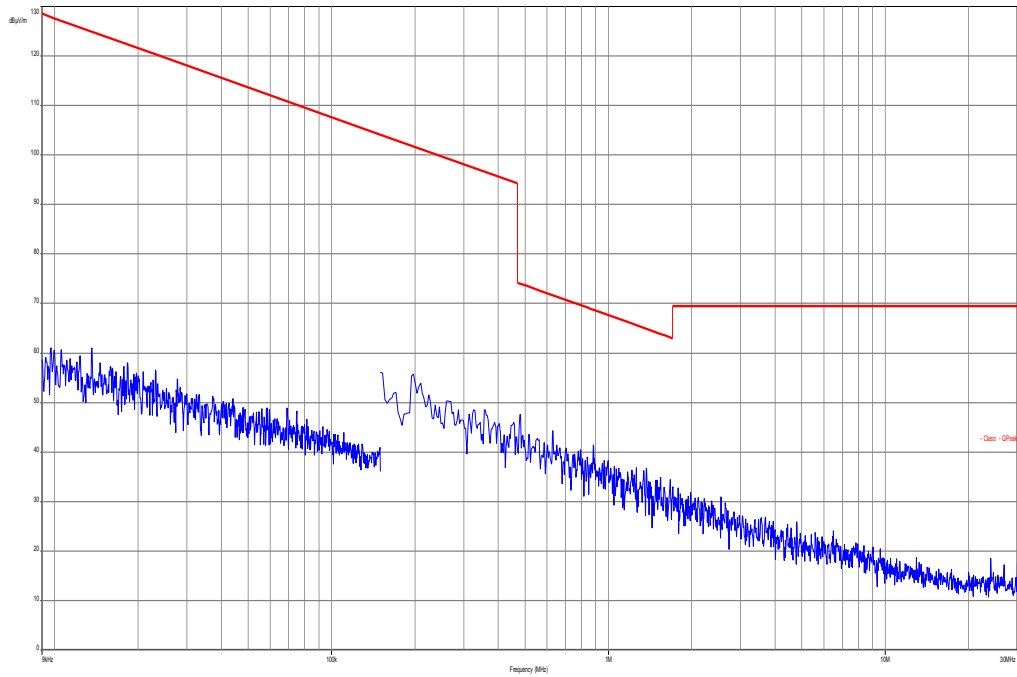


Plots Antenna 453564154611:

Plot 3: 9 kHz to 30 MHz, TX mode

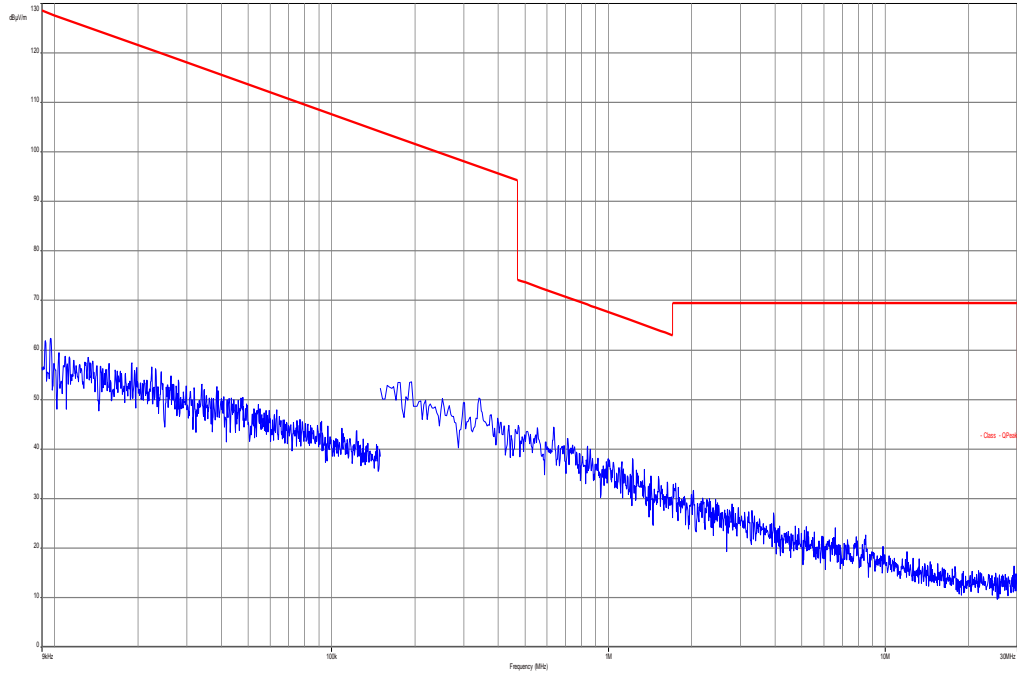


Plot 4: 9 kHz to 30 MHz, RX mode

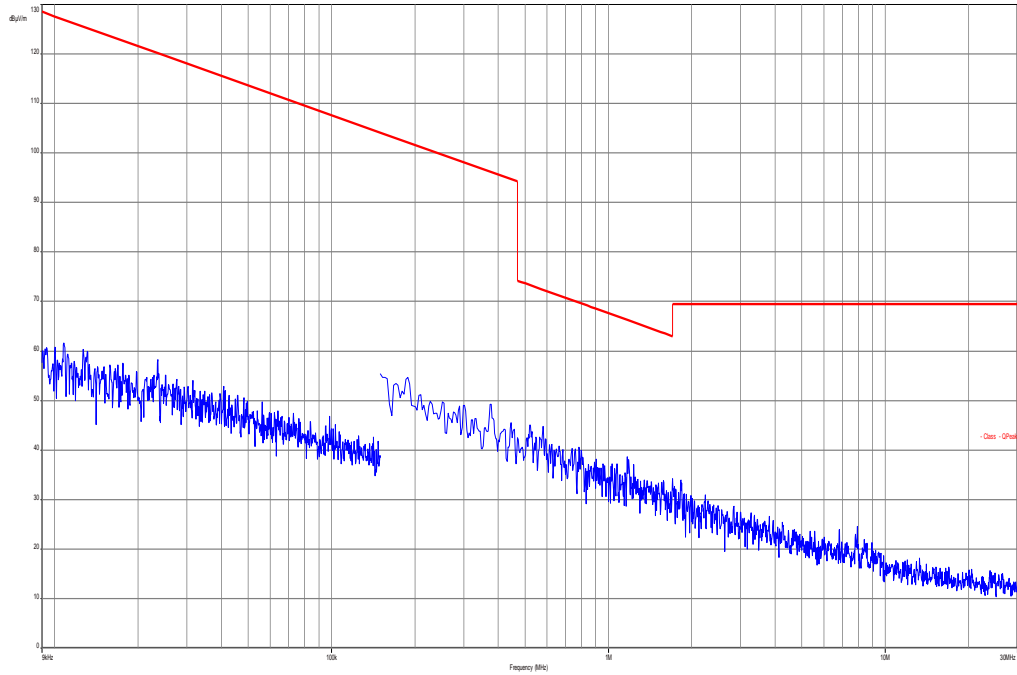


Plots Antenna 453564175981:

Plot 5: 9 kHz to 30 MHz, TX mode

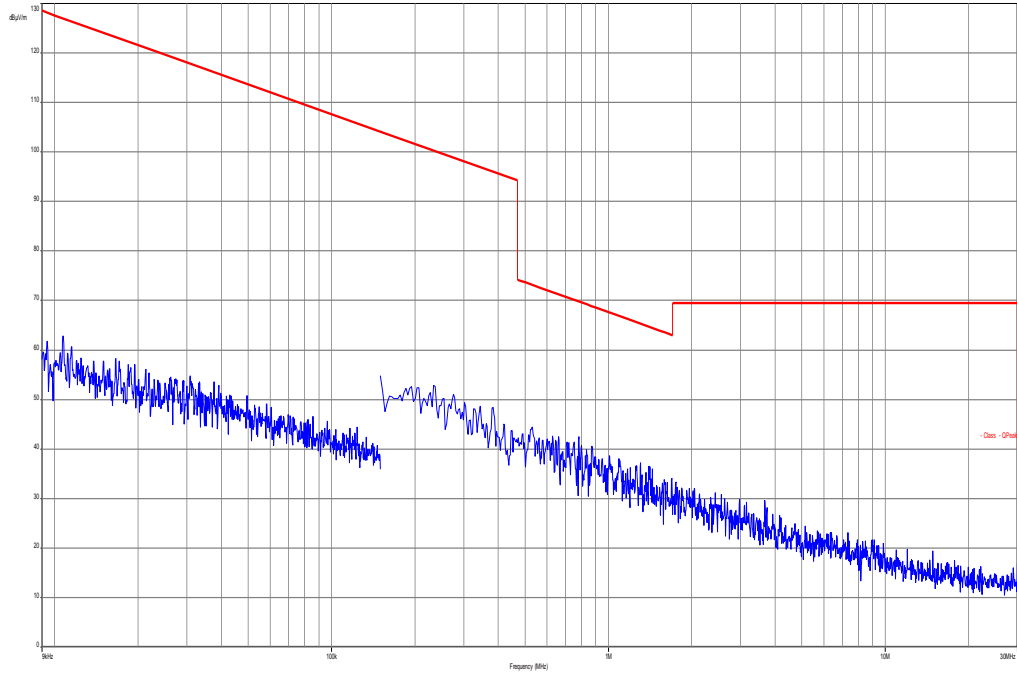


Plot 6: 9 kHz to 30 MHz, RX mode

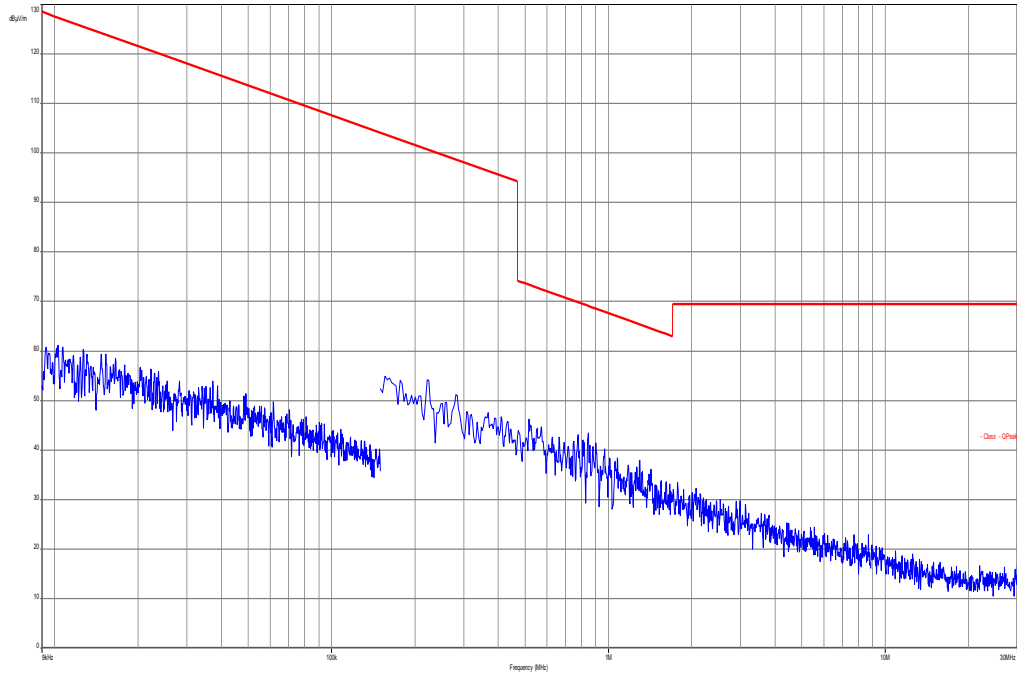


Plots Antenna 453564271931:

Plot 7: 9 kHz to 30 MHz, TX mode



Plot 8: 9 kHz to 30 MHz, RX mode



11.10 Spurious emissions conducted < 30 MHz

Description:

Measurement of the conducted spurious emissions in transmit mode below 30 MHz. The EUT is set to middle channel. If critical peaks are found the lowest channel and the highest channel will be measured too. Both power lines, phase and neutral line, are measured. Found peaks are remeasured with average and quasi peak detection to show compliance to the limits.

Measurement:

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

Limits:

Spurious Emissions Conducted < 30 MHz		
Frequency (MHz)	Quasi-Peak (dBµV/m)	Average (dBµV/m)
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30.0	60	50

*Decreases with the logarithm of the frequency

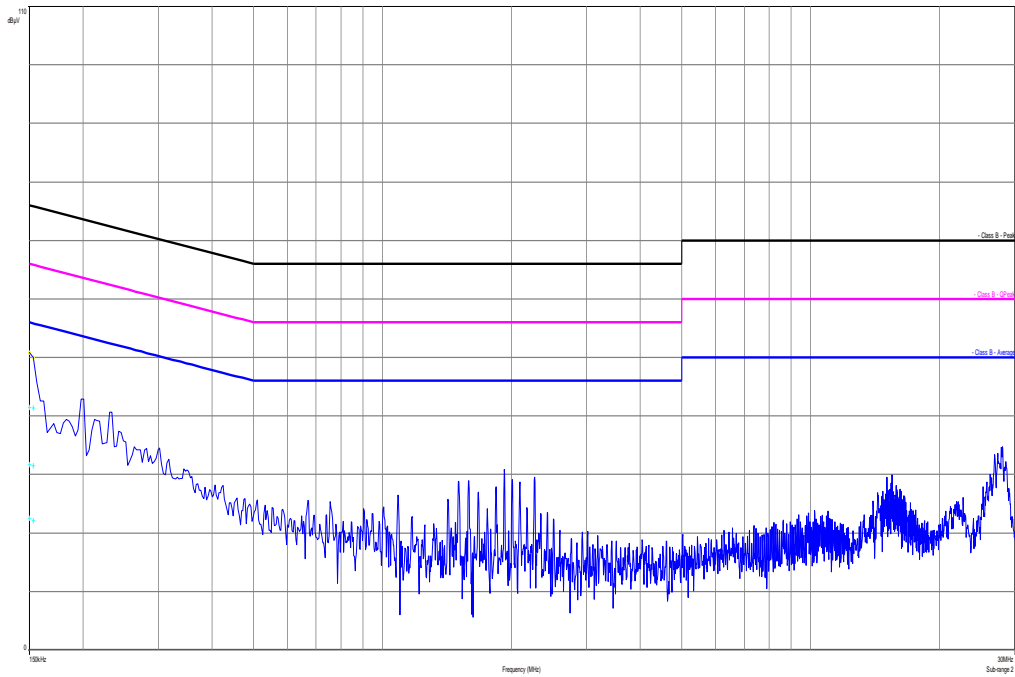
Results:

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

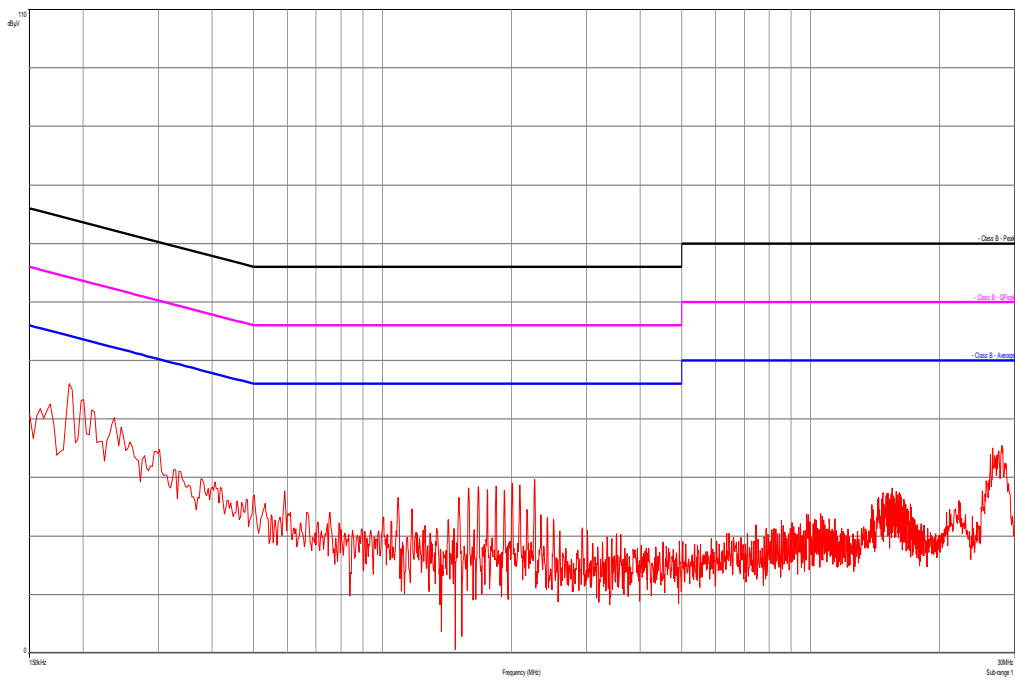
Result: Passed

Plots:

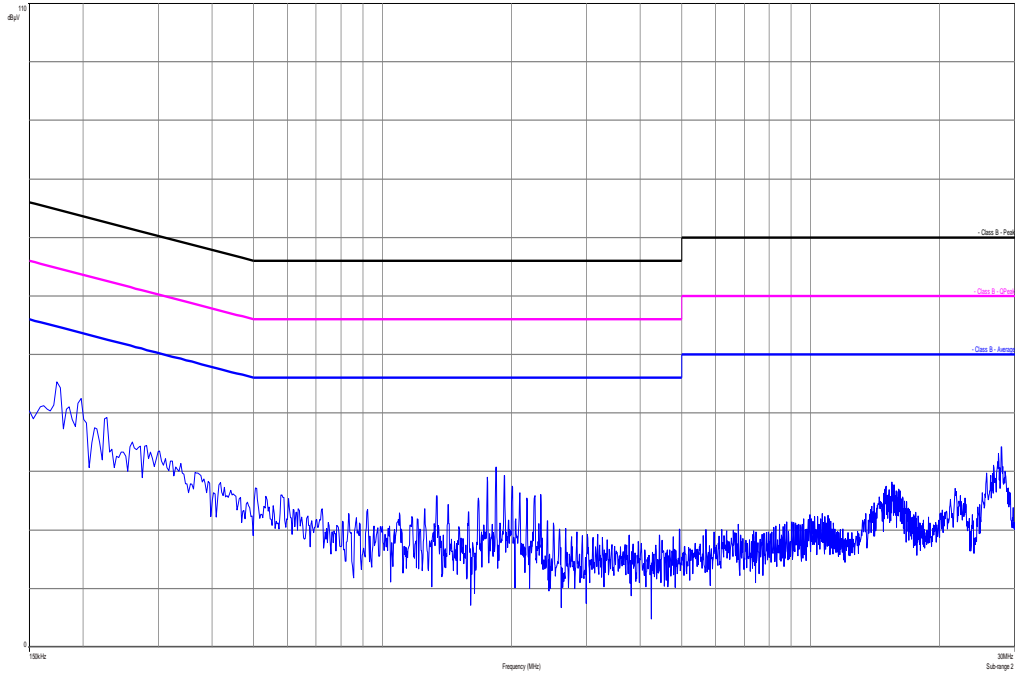
Plot 1: 150 kHz to 30 MHz / phase Line, TX mode



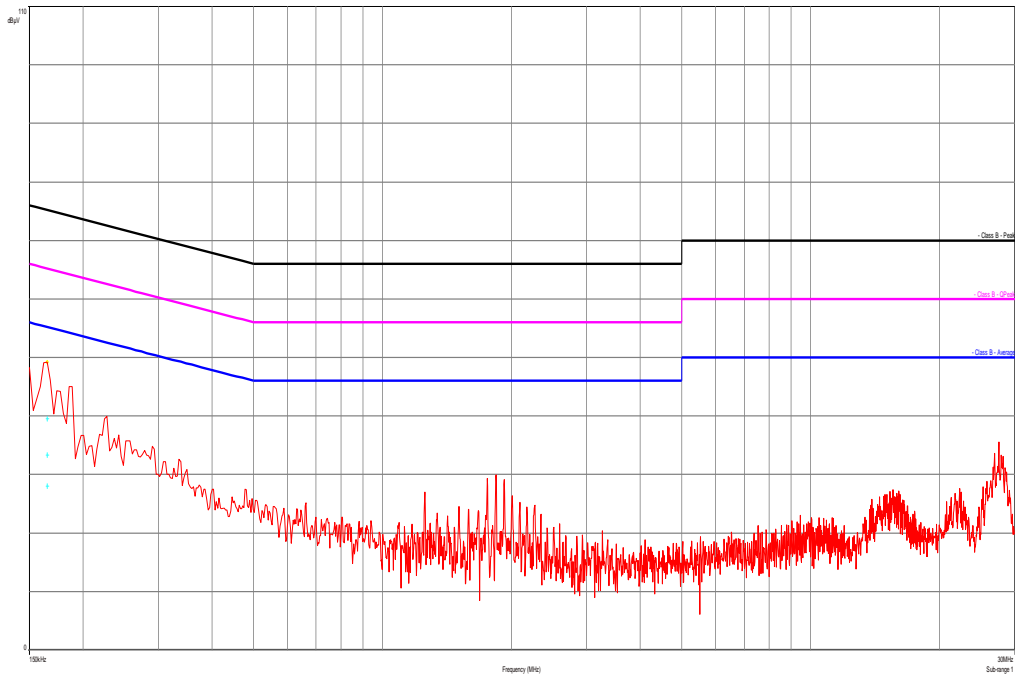
Plot 2: 150 kHz to 30 MHz / neutral Line, TX mode



Plot 3: 150 kHz to 30 MHz / phase Line, RX mode



Plot 4: 150 kHz to 30 MHz / neutral Line, RX mode



12 Test equipment and ancillaries used for tests

Typically, the calibrations of the test apparatus are commissioned to and performed by an accredited calibration laboratory. The calibration intervals are determined in accordance with the DIN EN ISO/IEC 17025. In addition to the external calibrations, the laboratory executes comparison measurements with other calibrated test systems or effective verifications. Weekly chamber inspections and range calibrations are performed. Where possible, rf-generating and signalling equipment as well as measuring receivers and analyzers are connected to an external high-precision 10 MHz reference (GPS-based or rubidium frequency standard).

In order to simplify the identification of the equipment used at some special tests, some items of test equipment and ancillaries can be provided with an identifier or number in the equipment list below (Labor/Item).

No.	Lab / Item	Equipment	Type	Manufact.	Serial No.	INV. No Cetecom	Kind of Calibration	Last Calibration	Next Calibration
11	n. a.	DC power supply, 60Vdc, 50A, 1200 W	6032A	HP Meßtechnik	2818A03450	300001040	Ve	12.01.2012	12.01.2015
2	n. a.	Double-Ridged Waveguide Horn Antenna 1-18.0GHz	3115	EMCO	8812-3088	300001032	vKI!	08.05.2013	08.05.2015
3	n. a.	Active Loop Antenna 10 kHz to 30 MHz	6502	EMCO	2210	300001015	ne		
4	n. a.	Anechoic chamber	FAC 3/5m	MWB / TDK	87400/02	300000996	ev		
5	n. a.	Switch / Control Unit	3488A	HP Meßtechnik	*	300000199	ne		
6	n. a.	Switch / Control Unit	3488A	HP Meßtechnik	2719A15013	300001156	ne		
7	n. a.	Three-Way Power Splitter, 50 Ohm	11850C	HP Meßtechnik		300000997	ne		
8	n. a.	Band Reject filter	WRCG185 5/1910-1835/1925-40/8SS	Wainwright	7	300003350	ev		
9	n. a.	Band Reject filter	WRCG240 0/2483-2375/2505-50/10SS	Wainwright	11	300003351	ev		
10	n. a.	Highpass Filter	WHKX7.0/1 8G-8SS	Wainwright	18	300003789	ne		
11	n. a.	TRIOLOG Broadband Test-Antenna 30 MHz - 3 GHz	VULB9163	Schwarzbeck	371	300003854	vKI!	14.10.2011	14.10.2014
12	n. a.	MXE EMI Receiver 20 Hz bis 26,5 GHz	N9038A	Agilent Technologies	MY51210197	300004405	k	21.02.2013	21.02.2014
13	n. a.	Temperaturprüfschrank	T-40/50	CTS GmbH		300003592	ne		
14	n. a.	Netzgerät	E3634A	Agilent Technologies	MY40011505	300003742	k	10.02.2012	10.02.2014
15	n. a.	Spectrumanalyzer	FSV30	R&S	100763	300003950	k	10.08.2012	10.08.2013
16	n. a.	NRP Power meter Display and control unit AC sup	NRP + NRP-Z81	R&S	100212 + 100010	300003780	vKI!	06.02.2012	06.02.2014
17	n. a.	Signal Analyzer 40 GHz	FSV40	R&S	101042	300004517	k	22.10.2012	22.10.2013

Agenda: Kind of Calibration

k calibration / calibrated
 ne not required (k, ev, izw, zw not required)
 ev periodic self verification
 Ve long-term stability recognized
 vKI! Attention: extended calibration interval
 NK! Attention: not calibrated

EK limited calibration
 zw cyclical maintenance (external cyclical maintenance)
 izw internal cyclical maintenance
 g blocked for accredited testing
 *) next calibration ordered / currently in progress

13 Observations

No observations exceeding those reported with the single test cases have been made.

Annex A Photographs of the test setup

Photo 1: Ant M3002-66494 (Chamber F)

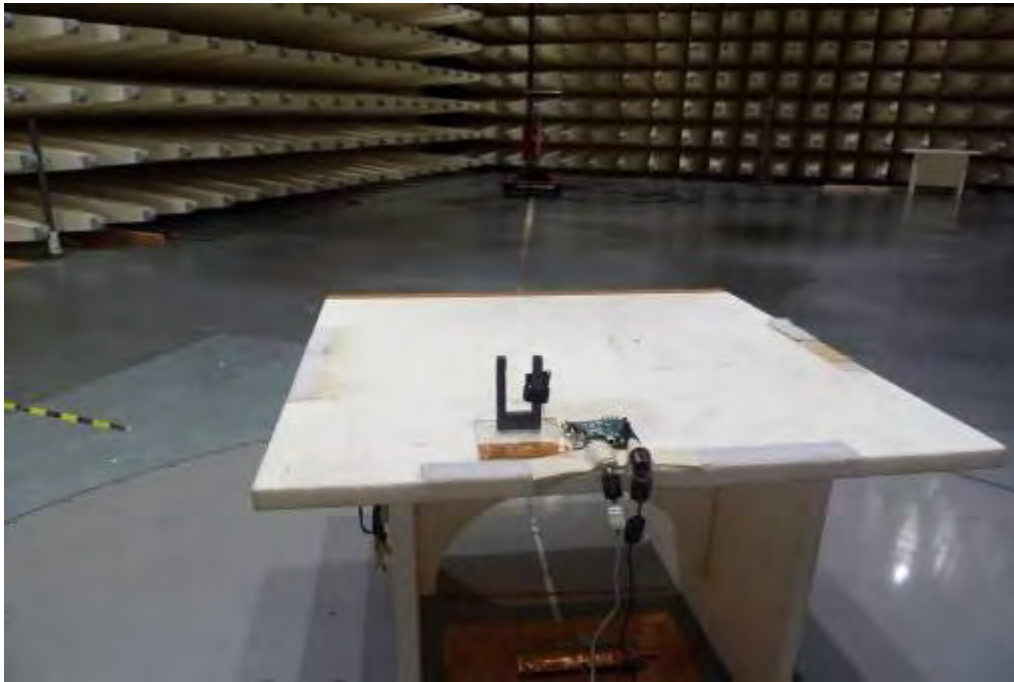


Photo 2: Ant M3002-66494 (Chamber F)

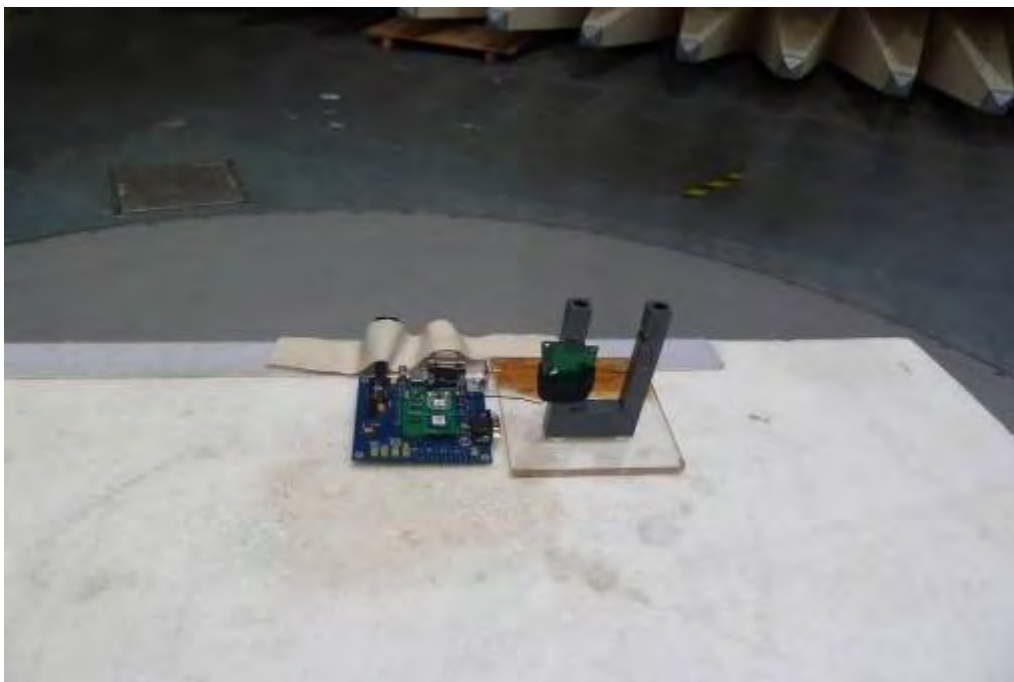


Photo 3: Ant 453564154611 (Chamber F)



Photo 4: Ant 453564154611 (Chamber F)



Photo 5: Ant 453564175981 (Chamber F)



Photo 6: Ant 453564175981 (Chamber F)



Photo 7: Ant 453564271931 (Chamber F)

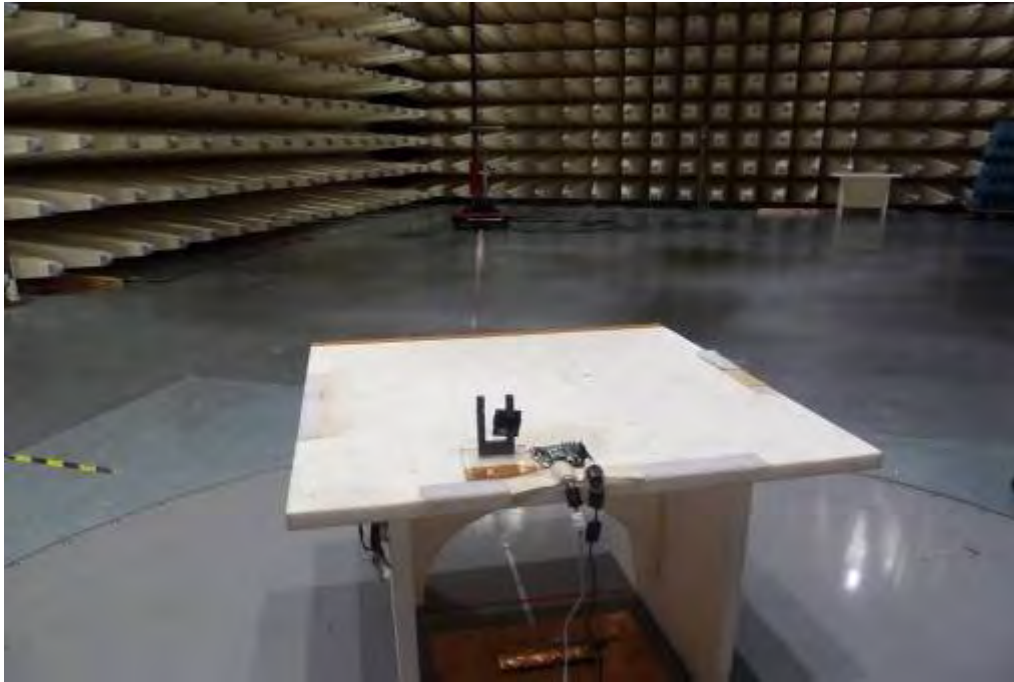


Photo 8: Ant 453564271931 (Chamber F)



Photo 9: Ant M3002-66494 (Chamber C)

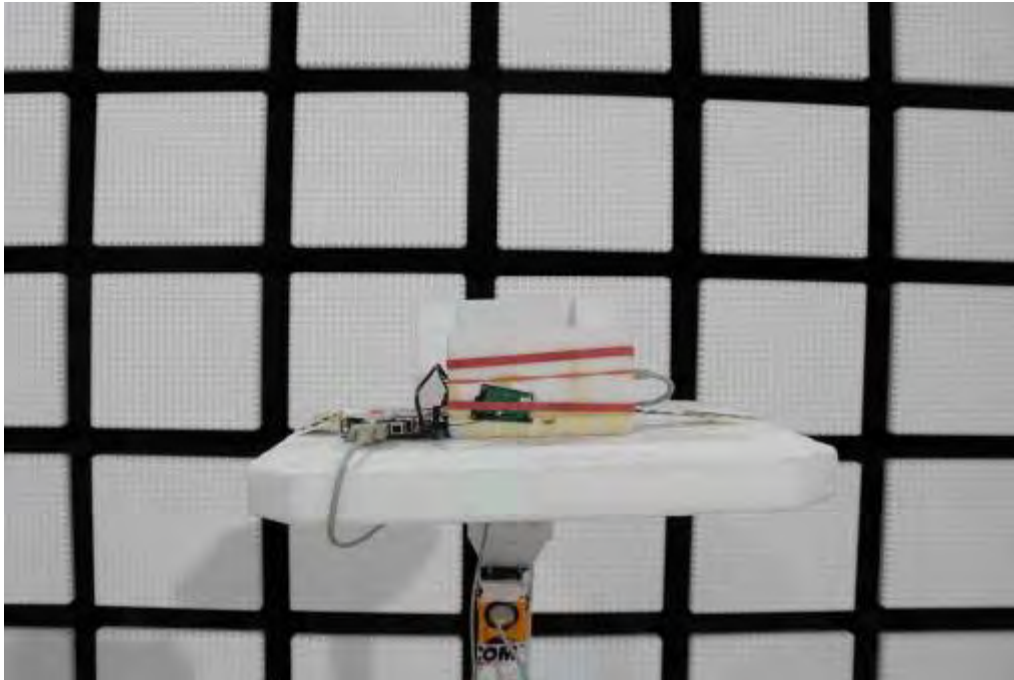


Photo 10: Ant 453564154611 (Chamber C)

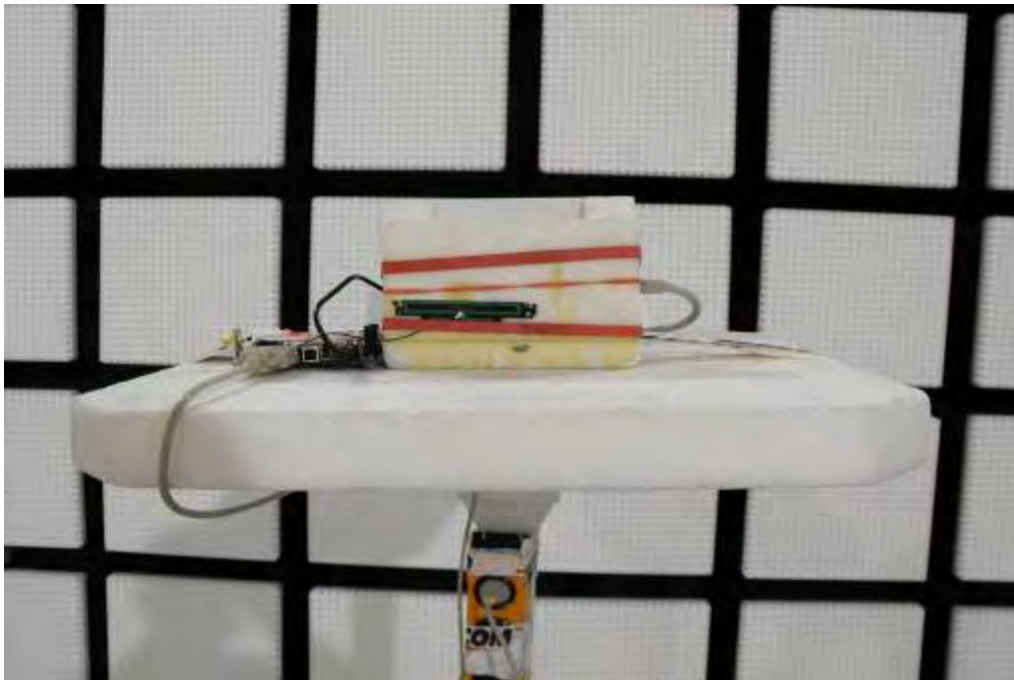


Photo 11: Ant 453564175981 (Chamber C)

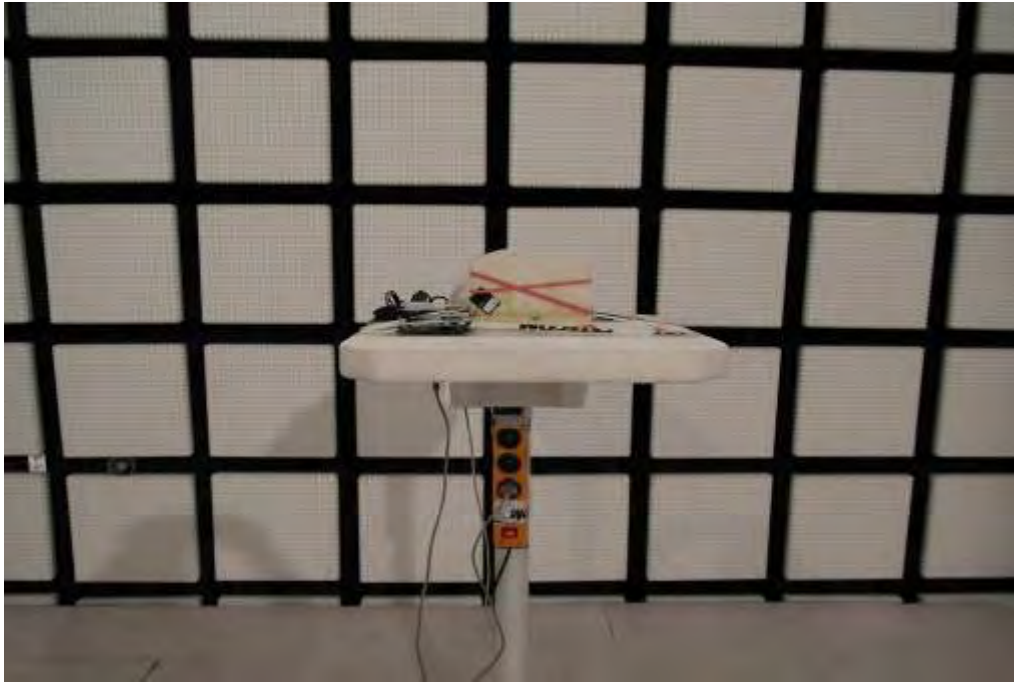


Photo 12: Ant 453564271931 (Chamber C)

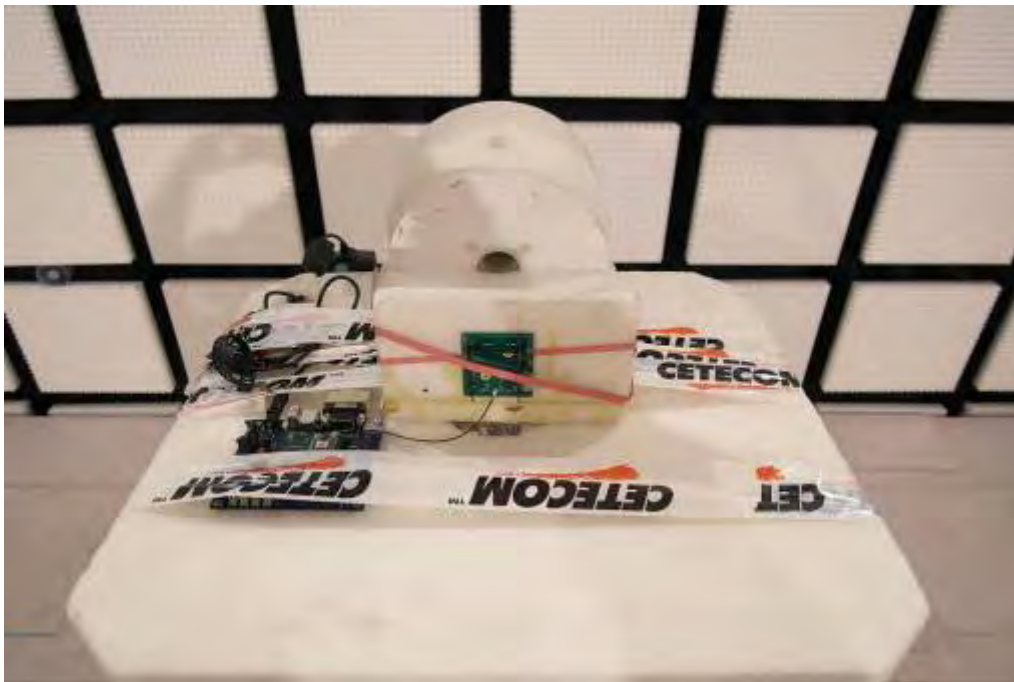


Photo 13: valid for all antenna types (Chamber C)



Photo 14: valid for all antenna types (Chamber C)



Annex B Photographs of the EUT

Photo documentation:

Photo 1: Interface board with test board and EUT



Photo 2: Interface board



Photo 3: Interface board



Photo 4: Testboard top view



Photo 5: Testboard bottom view

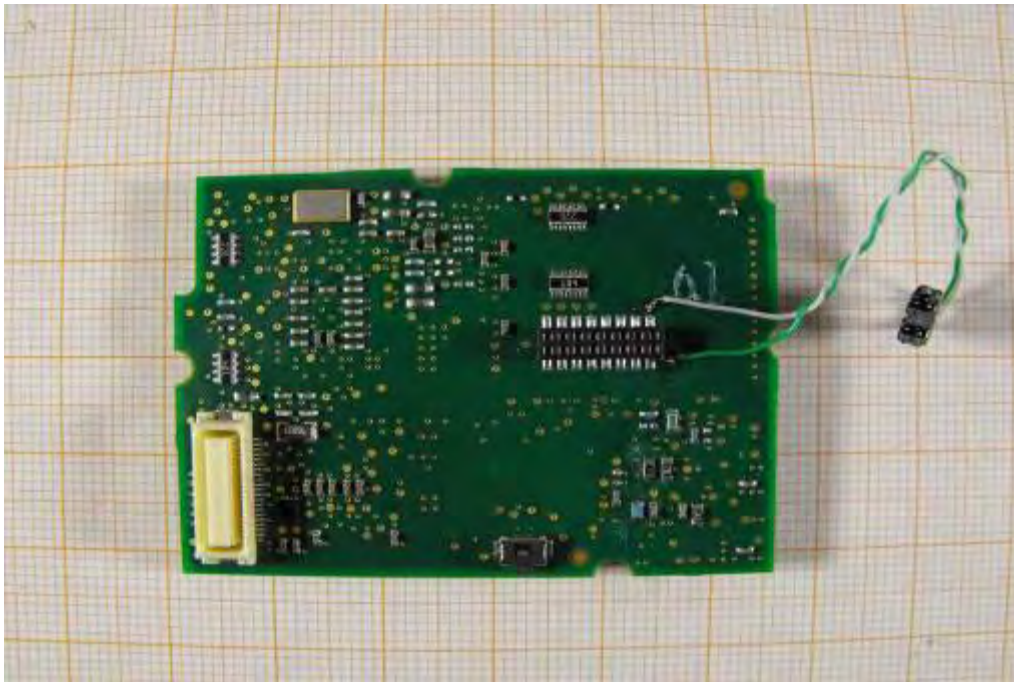


Photo 6: EUT



Photo 7: EUT with Ant M3002-66494

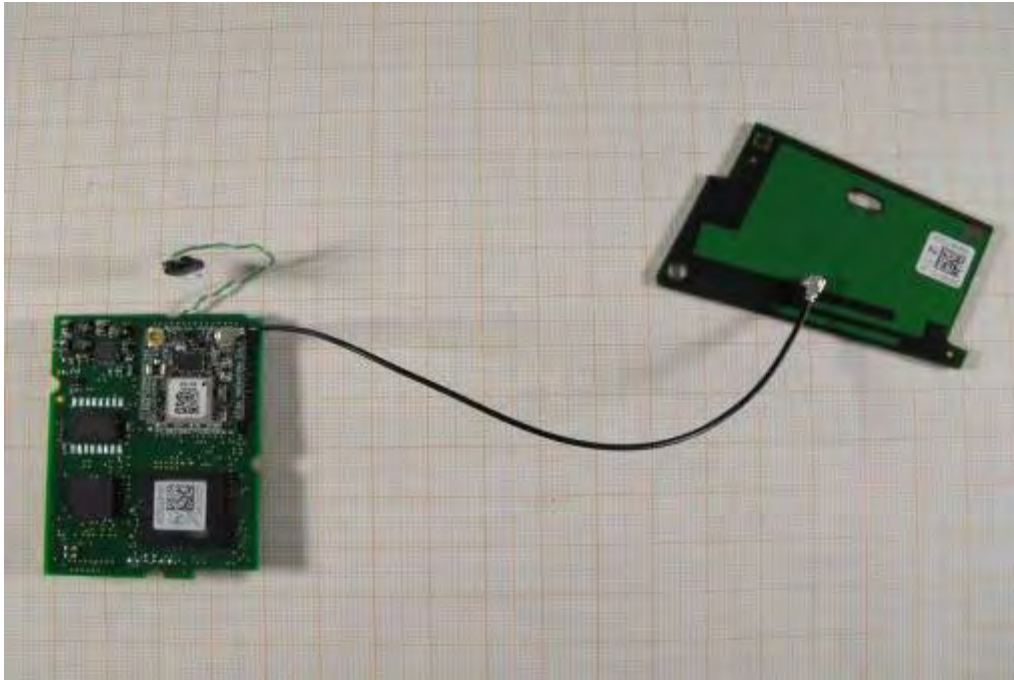


Photo 8: Ant M3002-66494

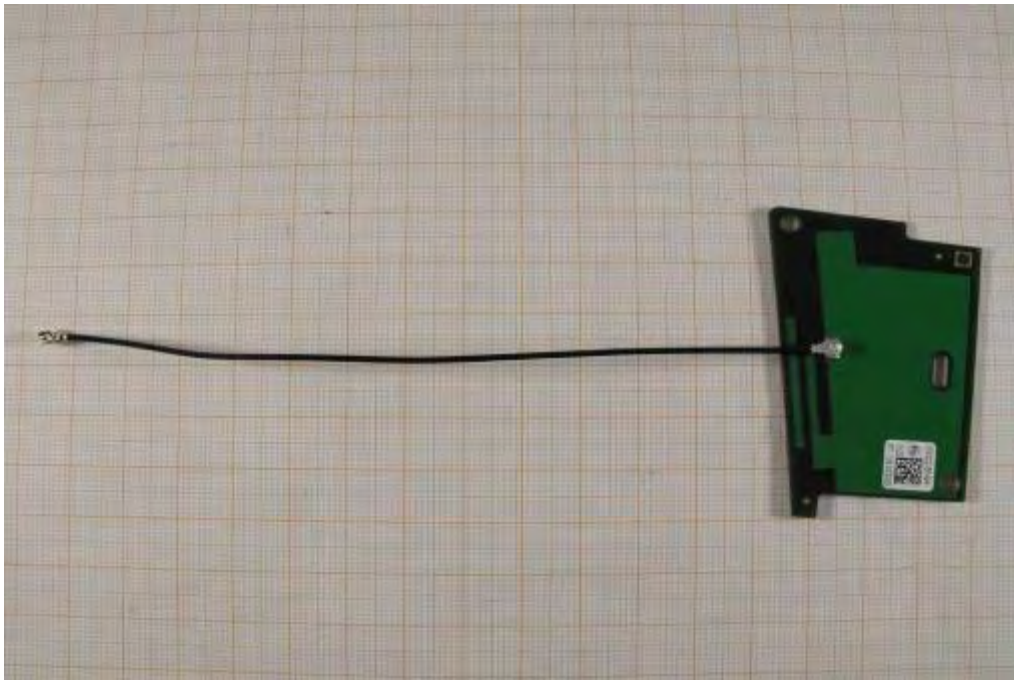


Photo 9: Ant M3002-66494

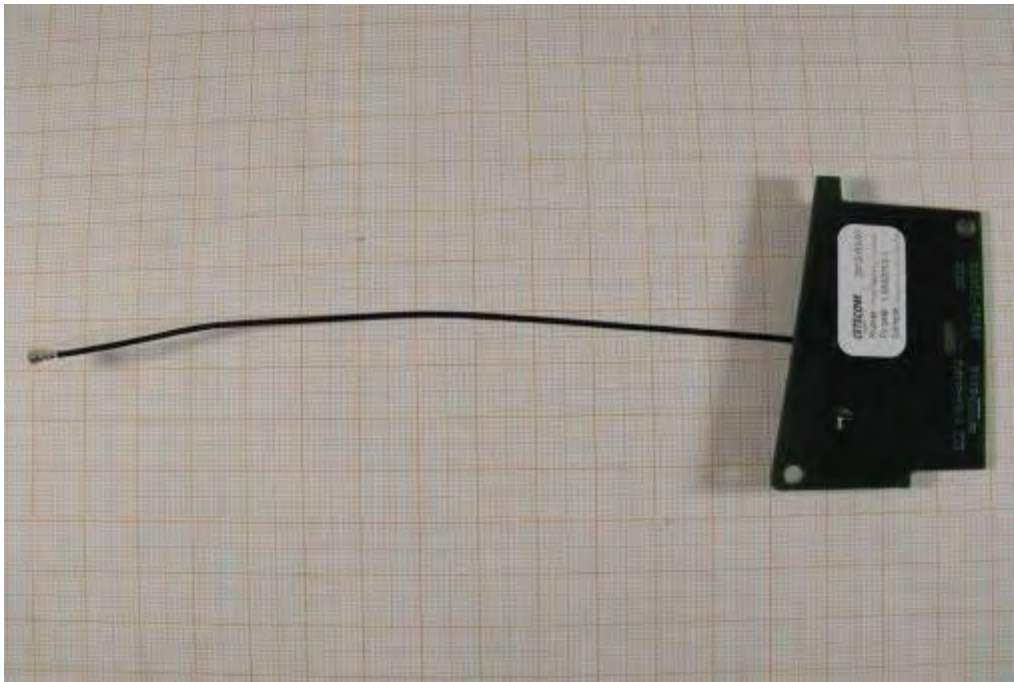


Photo 10: Ant M3002-66494



Photo 11: Ant M3002-66494



Photo 12: Ant 453564154611

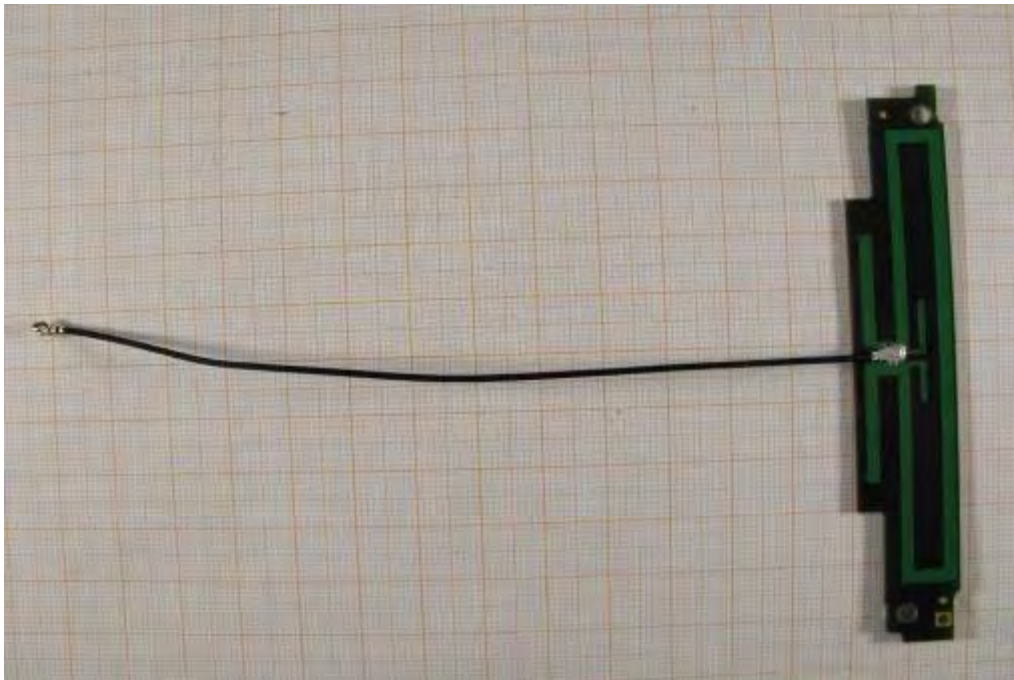


Photo 13: Ant 453564154611

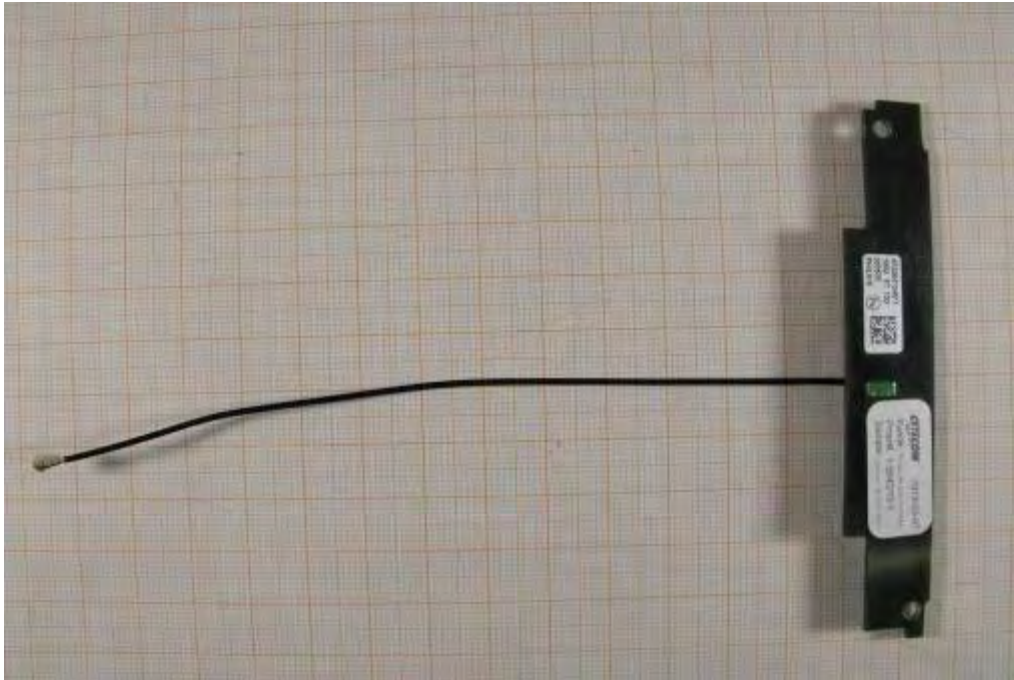


Photo 14: Ant 453564154611



Photo 15: Ant 453564154611



Photo 16: Ant 453564175981

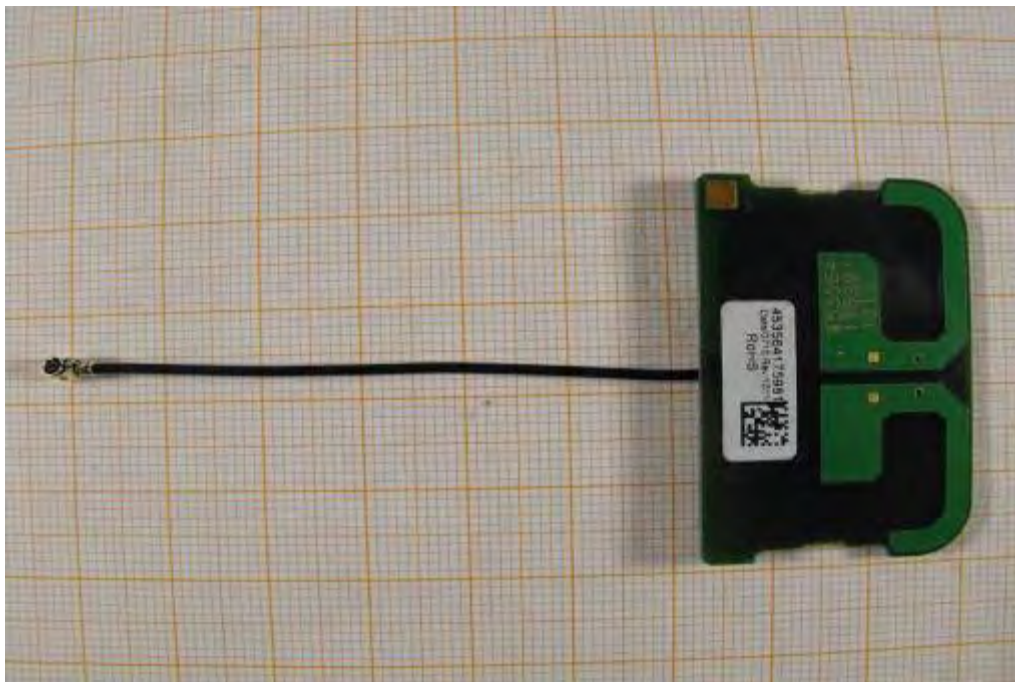


Photo 17: Ant 453564175981



Photo 18: Ant 453564175981



Photo 19: Ant 453564175981



Photo 20: Ant 453564271931

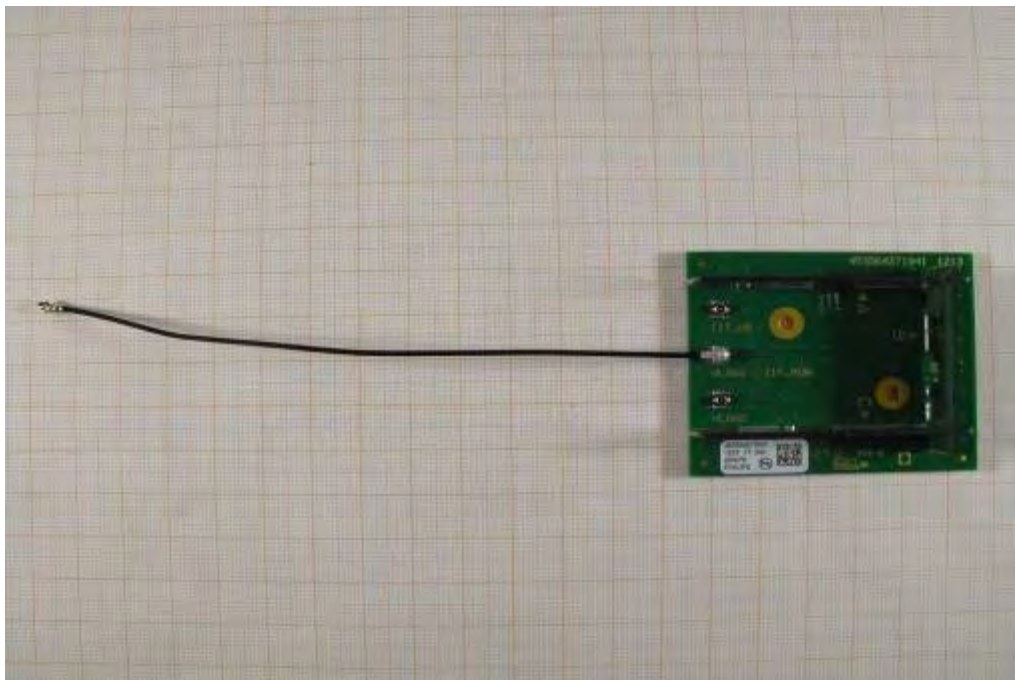


Photo 21: Ant 453564271931

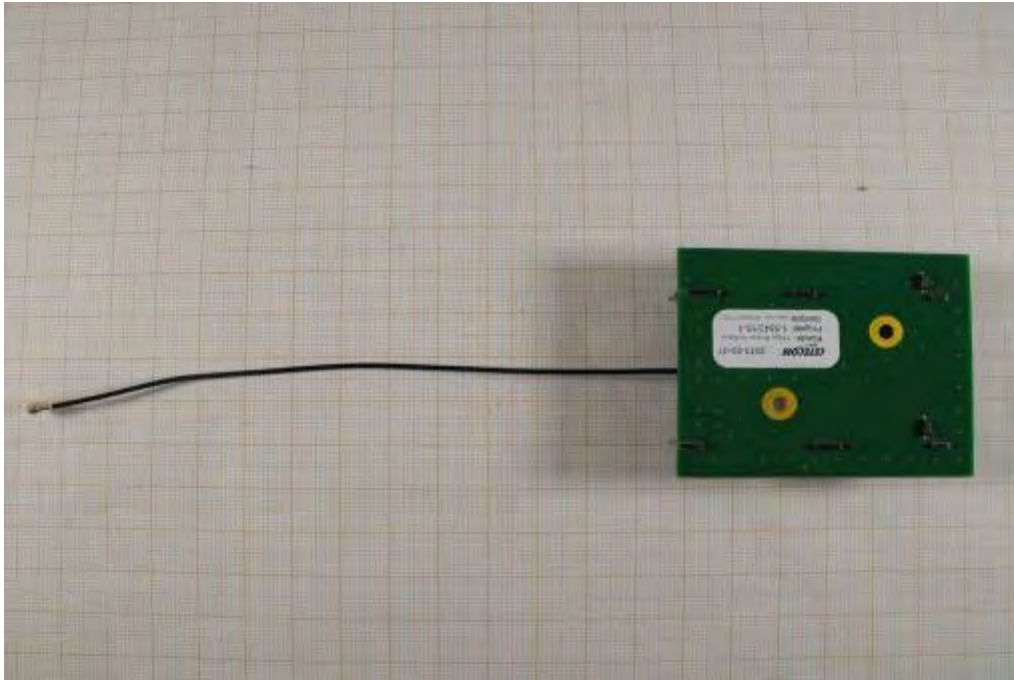


Photo 22: Ant 453564271931

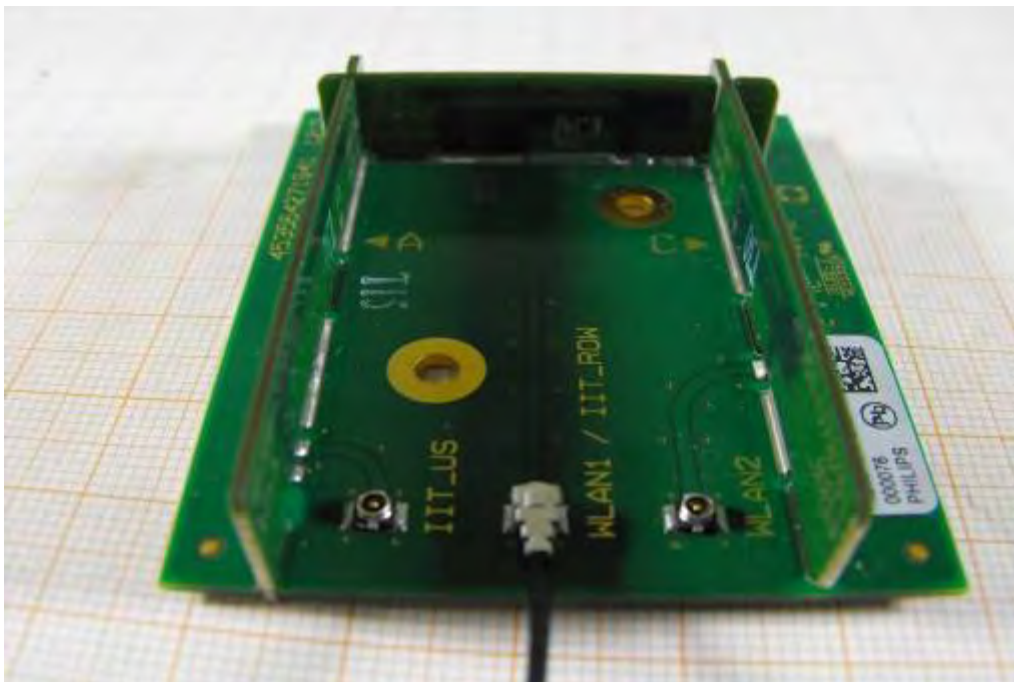


Photo 23: Ant 453564271931

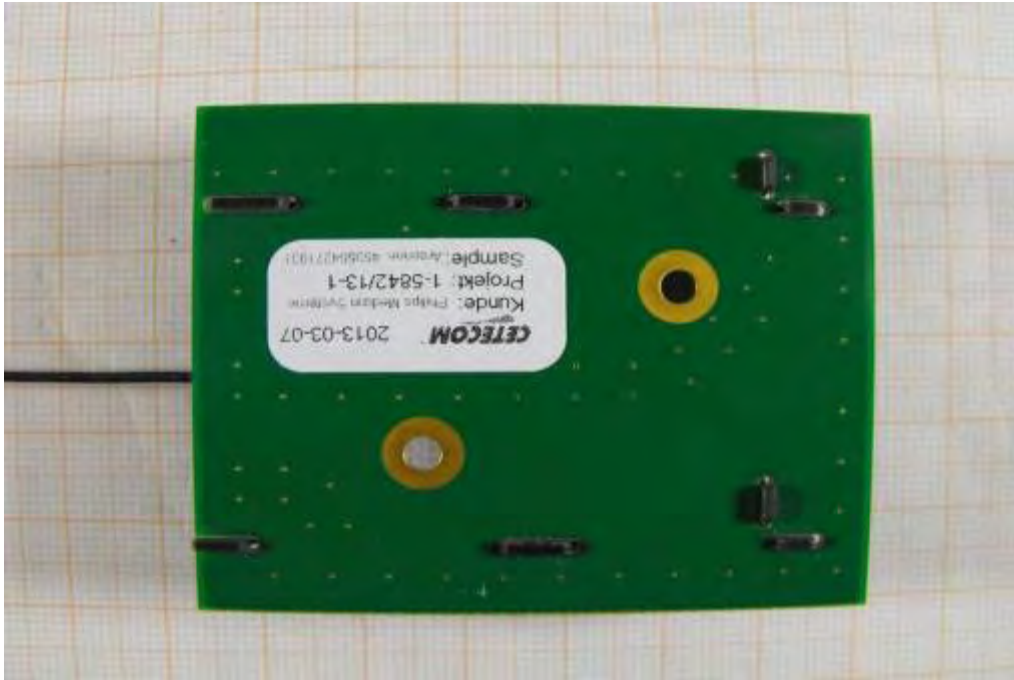


Photo 24: Ant 453564271931



Annex C Document history

Version	Applied changes	Date of release
1.0	Initial release	2013-08-07

Annex D Further information

Glossary

AVG	-	Average
DUT	-	Device under test
EMC	-	Electromagnetic Compatibility
EN	-	European Standard
EUT	-	Equipment under test
ETSI	-	European Telecommunications Standard Institute
FCC	-	Federal Communication Commission
FCC ID	-	Company Identifier at FCC
HW	-	Hardware
IC	-	Industry Canada
Inv. No.	-	Inventory number
N/A	-	Not applicable
PP	-	Positive peak
QP	-	Quasi peak
S/N	-	Serial number
SW	-	Software

Annex E Accreditation Certificate

Front side of certificate



Back side of certificate



Note:

The current certificate including annex is published on our website (see link below) or may be received from CETECOM ICT Services on request.

<http://www.cetecom.com/eu/de/cetecom-group/europa/deutschland-saarbruecken/akkreditierungen.html>