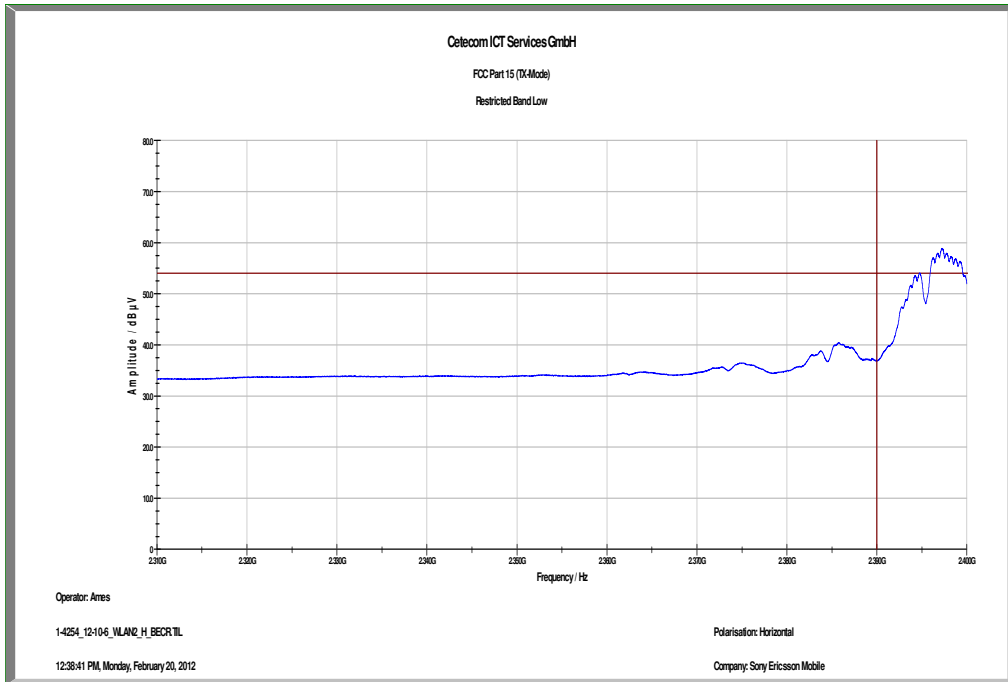
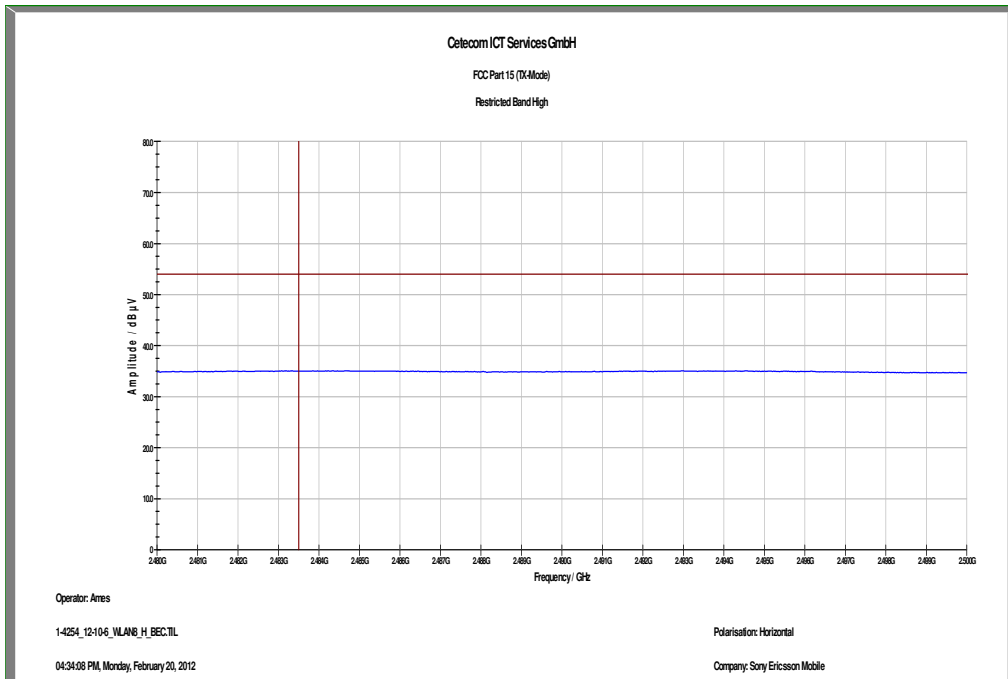


Plot 3: TX mode, lower band edge, horizontal polarization

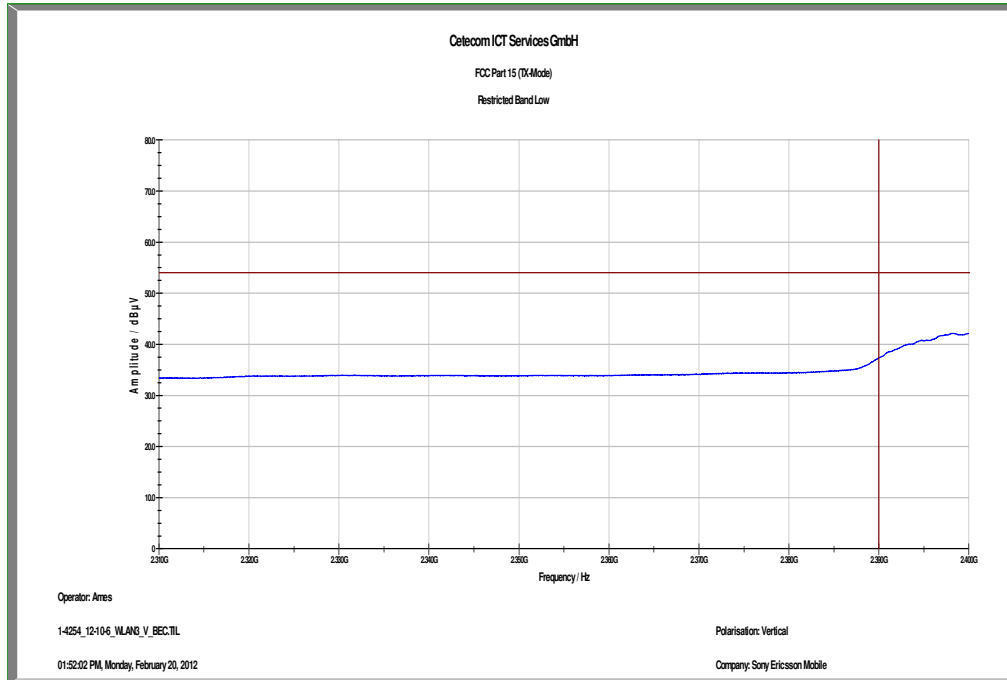


Plot 4: TX mode, upper band edge, horizontal polarization

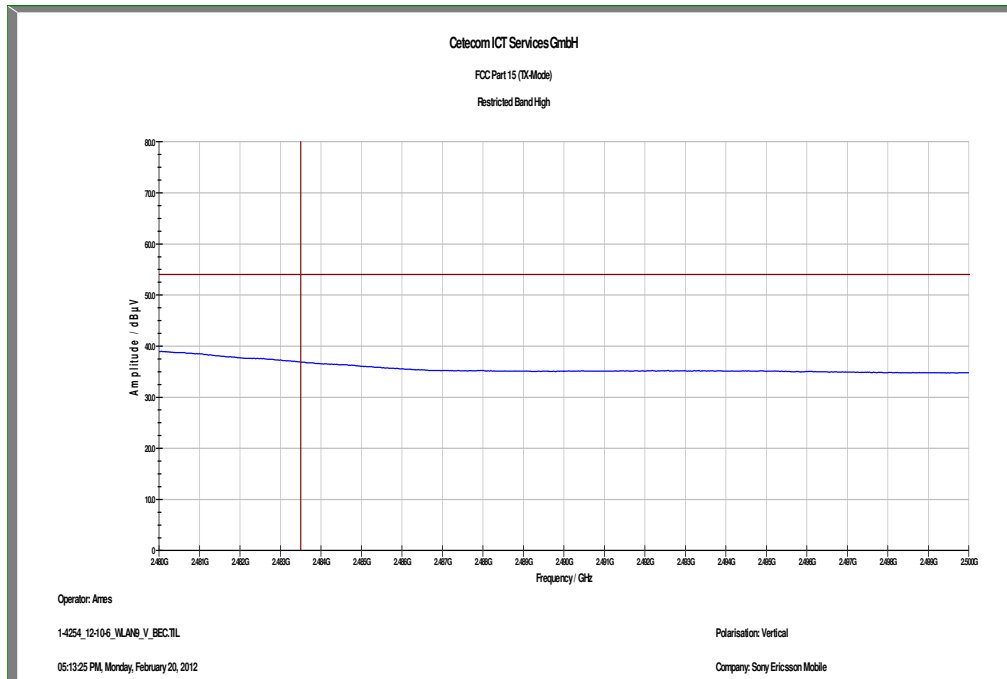


**Plots: OFDM / n – mode**

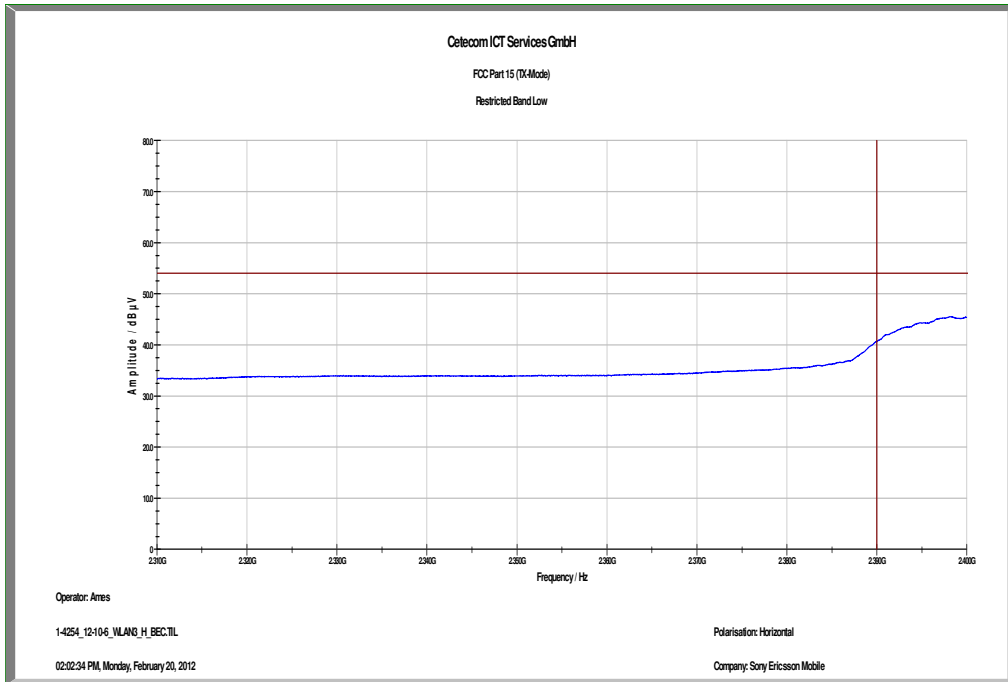
**Plot 1: TX mode, lower band edge, vertical polarization**



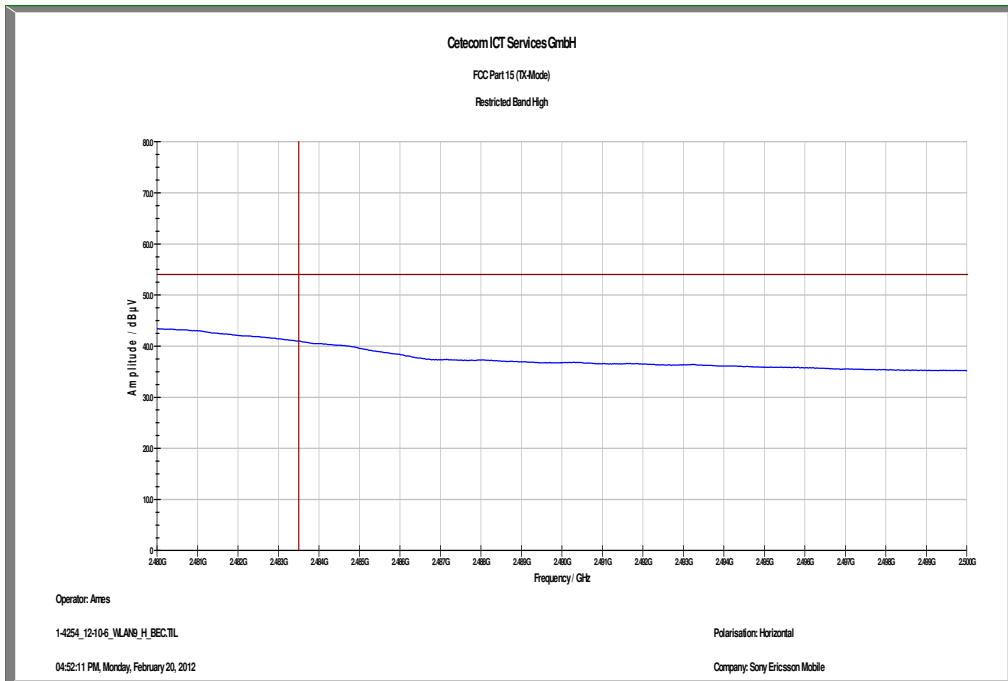
**Plot 2: TX mode, upper band edge, vertical polarization**



Plot 3: TX mode, lower band edge, horizontal polarization



Plot 4: TX mode, upper band edge, horizontal polarization



## 9.9 TX spurious emissions conducted

### Description:

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

### Measurement:

Measurement parameter	
Detector:	Peak
Sweep time:	Auto
Video bandwidth:	F < 1 GHz: 100 kHz F > 1 GHz: 100 kHz
Resolution bandwidth:	F < 1 GHz: 100 kHz F > 1 GHz: 100 kHz
Span:	9 kHz to 25 GHz
Trace-Mode:	Max Hold

### Limits:

FCC	IC
CFR Part 15.247(d)	RSS 210, Issue 8, A 8.5
TX Spurious Emissions Conducted	
<p>In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required</p>	

**Results: DSSS / b – mode**

TX Spurious Emissions Conducted					
DSSS - mode					
f [MHz]		amplitude of emission [dBm]	limit max. allowed emission power	actual attenuation below frequency of operation [dB]	results
2412		7.26	30 dBm		Operating frequency
<i>No critical peaks found</i>			-20 dBc		complies
2437		7.26	30 dBm		Operating frequency
<i>No critical peaks found</i>			-20 dBc		complies
2462		7.43	30 dBm		Operating frequency
<i>No critical peaks found</i>			-20 dBc		complies
Measurement uncertainty		± 3 dB			

**Result:** The result of the measurement is passed.

**Results: OFDM / g – mode**

TX Spurious Emissions Conducted					
OFDM - mode					
f [MHz]		amplitude of emission [dBm]	limit max. allowed emission power	actual attenuation below frequency of operation [dB]	results
2412		5.62	30 dBm		Operating frequency
<i>No critical peaks found</i>			-20 dBc		complies
2437		5.62	30 dBm		Operating frequency
<i>No critical peaks found</i>			-20 dBc		complies
2462		5.35	30 dBm		Operating frequency
<i>No critical peaks found</i>			-20 dBc		complies
Measurement uncertainty		± 3 dB			

**Result:** The result of the measurement is passed.

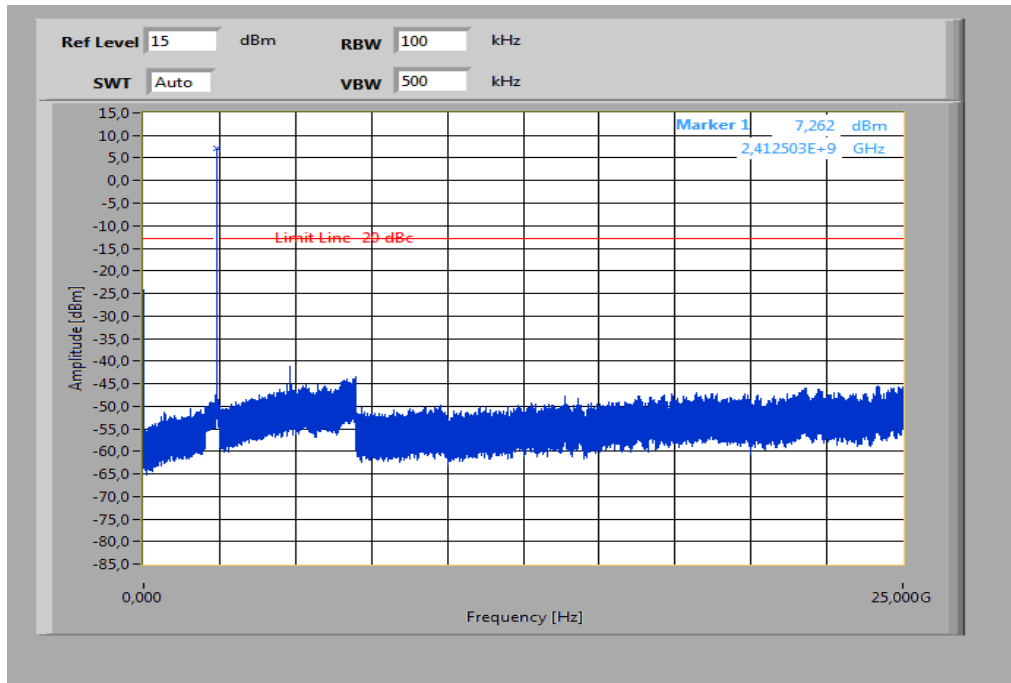
**Results: OFDM / n – mode**

TX Spurious Emissions Conducted					
OFDM - mode					
f [MHz]		amplitude of emission [dBm]	limit max. allowed emission power	actual attenuation below frequency of operation [dB]	results
2412		5.45	30 dBm		Operating frequency
		<i>No critical peaks found</i>			complies
			-20 dBc		
2437		5.45	30 dBm		Operating frequency
		<i>No critical peaks found</i>			complies
			-20 dBc		
2462		5.33	30 dBm		Operating frequency
		<i>No critical peaks found</i>			complies
			-20 dBc		
Measurement uncertainty			± 3 dB		

**Result:** The result of the measurement is passed.

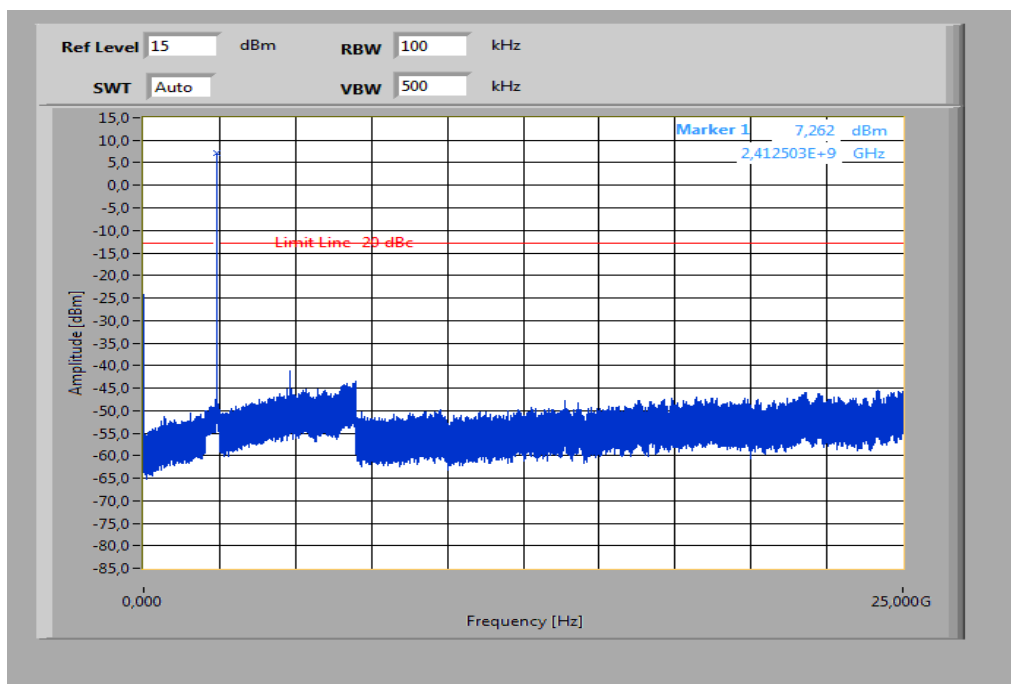
**Plots: DSSS / b – mode**

**Plot 1: TX mode, lowest channel, up to 25 GHz**



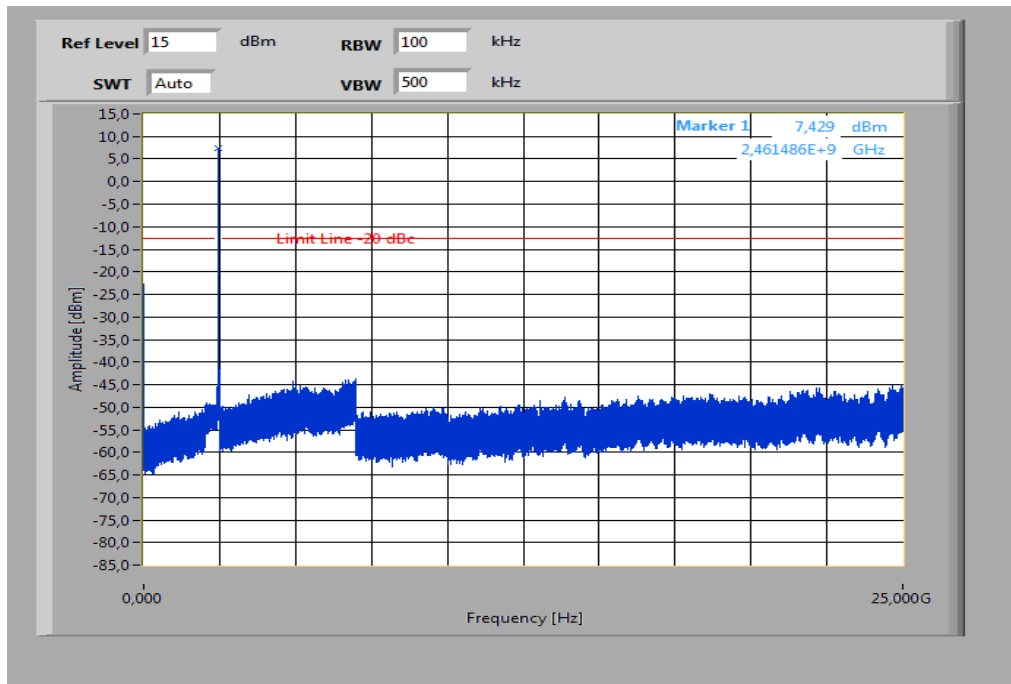
The peak at the beginning of the plot is the LO from the SA.

**Plot 2: TX mode, middle channel, up to 25 GHz**



The peak at the beginning of the plot is the LO from the SA.

Plot 3: TX mode, highest channel, up to 25 GHz

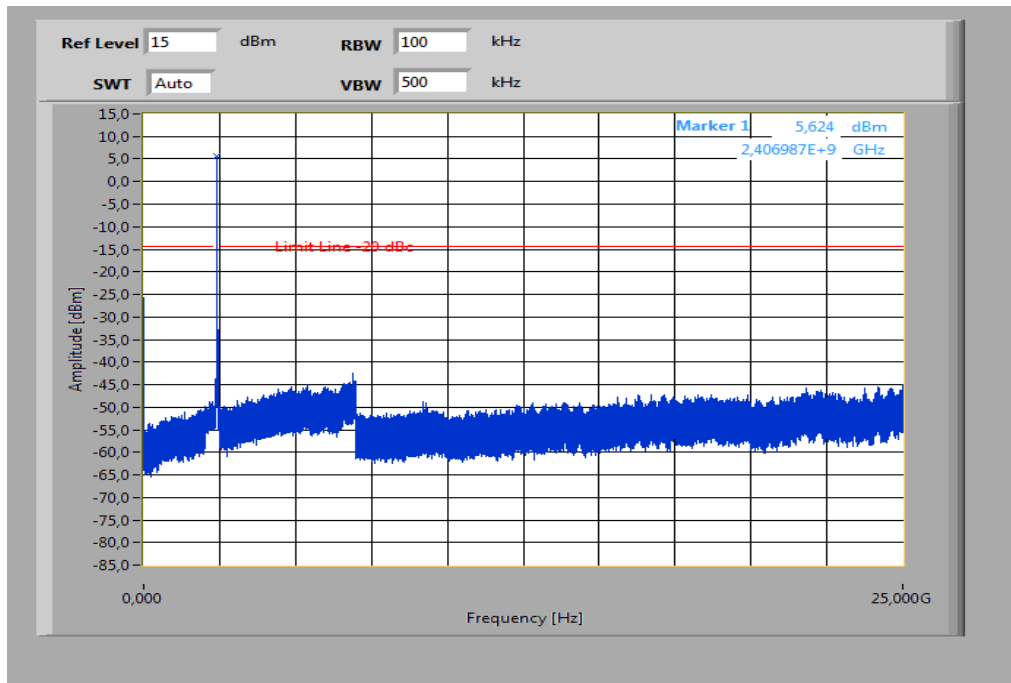


The peak at the beginning of the plot is the LO from the SA.



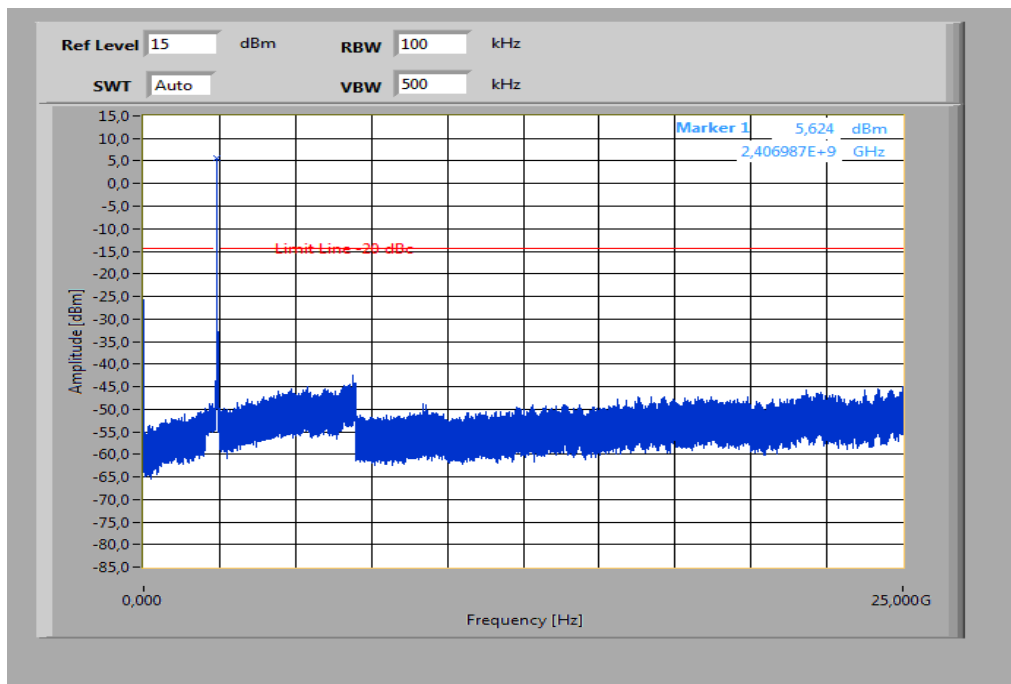
**Plots: OFDM / g – mode**

**Plot 1: TX mode, lowest channel, up to 25 GHz**



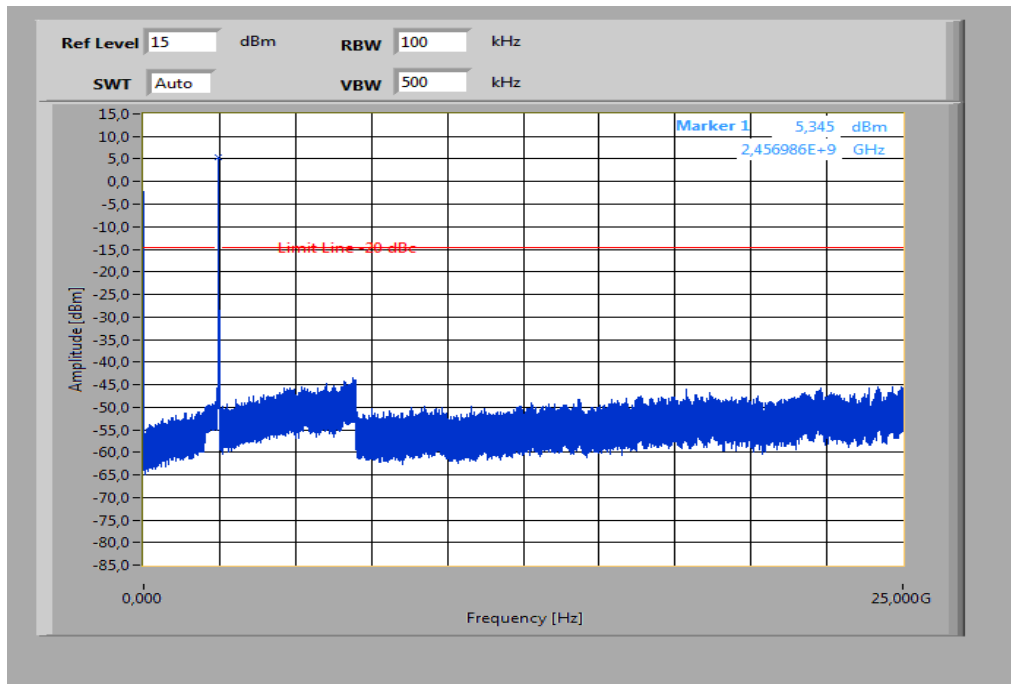
The peak at the beginning of the plot is the LO from the SA.

**Plot 2: TX mode, middle channel, up to 25 GHz**



The peak at the beginning of the plot is the LO from the SA.

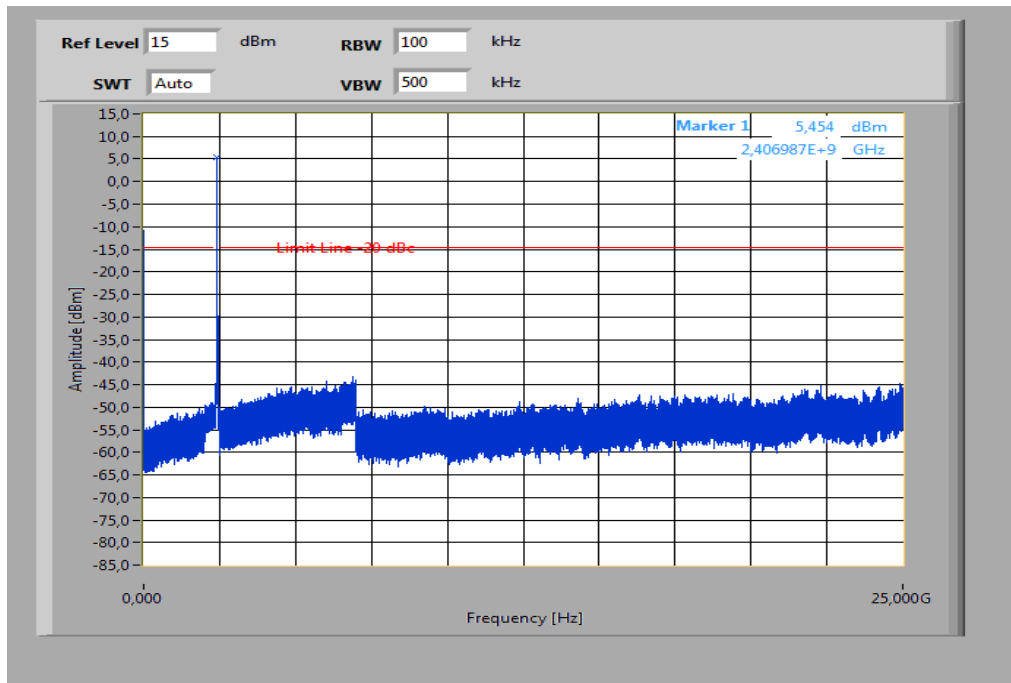
Plot 3: TX mode, highest channel, up to 25 GHz



The peak at the beginning of the plot is the LO from the SA.

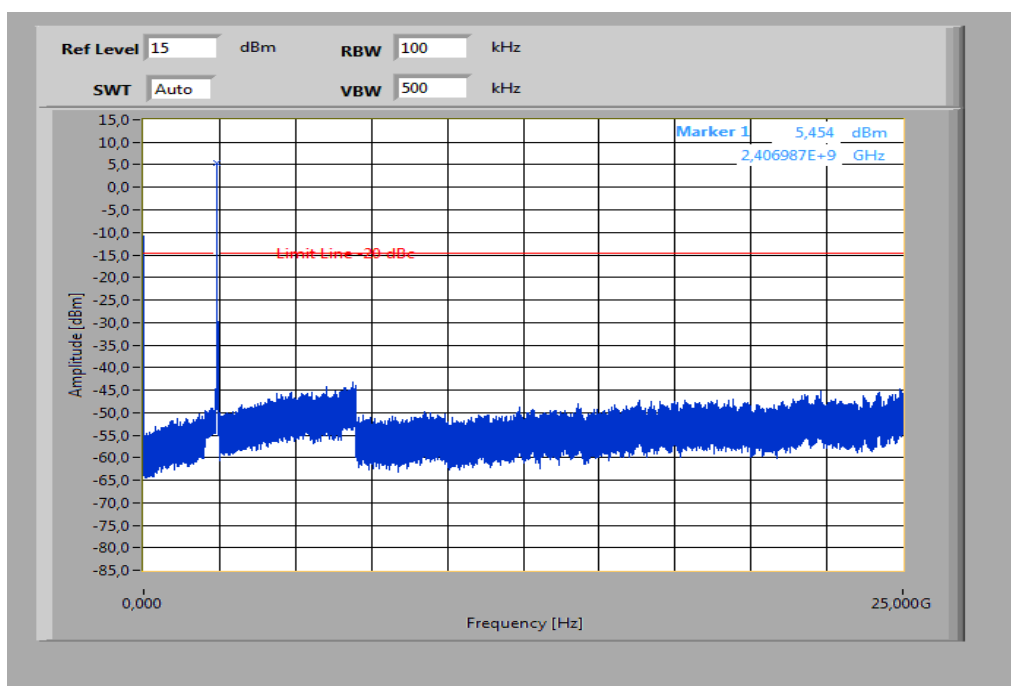
**Plots: OFDM / n – mode**

**Plot 1: TX mode, lowest channel, up to 25 GHz**



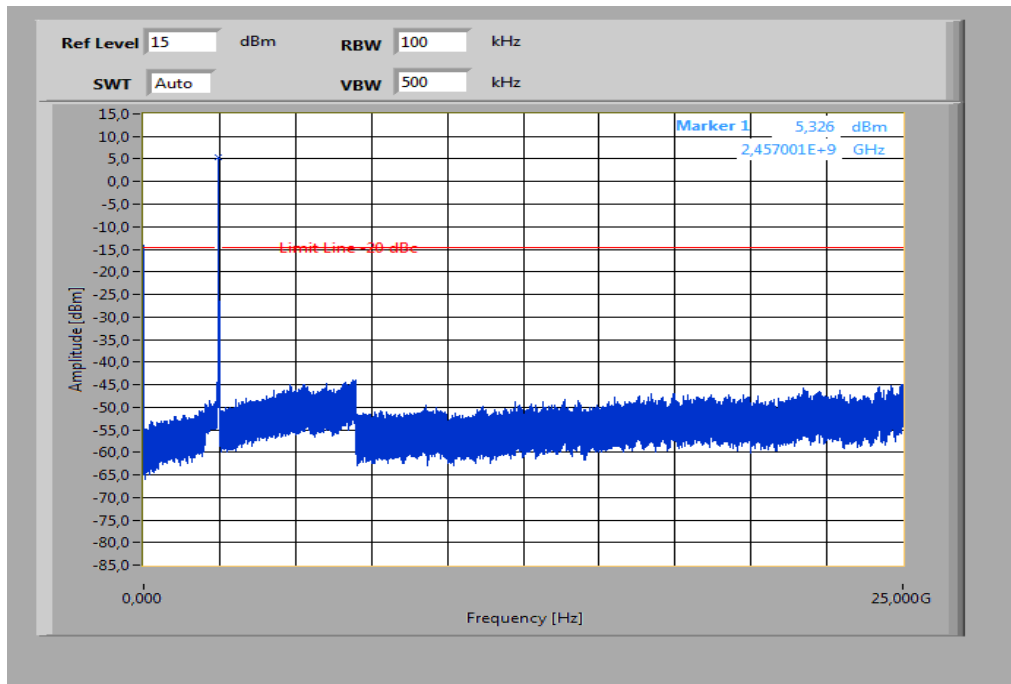
The peak at the beginning of the plot is the LO from the SA.

**Plot 2: TX mode, middle channel, up to 25 GHz**



The peak at the beginning of the plot is the LO from the SA.

Plot 3: TX mode, highest channel, up to 25 GHz



The peak at the beginning of the plot is the LO from the SA.

## 9.10 TX spurious emissions radiated

### Description:

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

### Measurement:

Measurement parameter	
Detector:	Peak / Quasi Peak
Sweep time:	Auto
Video bandwidth:	Sweep: 100 kHz Remeasurement: 10 Hz
Resolution bandwidth:	F < 1 GHz: 100 kHz F > 1 GHz: 1 MHz
Span:	30 MHz to 26 GHz
Trace-Mode:	Max Hold
Measured Modulation	<input checked="" type="checkbox"/> DSSS b – mode <input checked="" type="checkbox"/> OFDM g – mode <input checked="" type="checkbox"/> OFDM n – mode

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

### Limits:

FCC		IC	
CFR Part 15.247(d)		RSS 210, Issue 8, A 8.5	
TX Spurious Emissions Radiated			
<p>In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).</p>			
§15.209			
Frequency (MHz)	Field Strength (dBµV/m)	Measurement distance	
30 - 88	30.0	10	
88 – 216	33.5	10	
216 – 960	36.0	10	
Above 960	54.0	3	

**Results: DSSS / b – mode**

TX Spurious Emissions Radiated [dB $\mu$ V/m]								
DSSS – mode								
2412 MHz			2437 MHz			2462 MHz		
F [MHz]	Detector	Level [dB $\mu$ V/m]	F [MHz]	Detector	Level [dB $\mu$ V/m]	F [MHz]	Detector	Level [dB $\mu$ V/m]
No critical peaks found			No critical peaks found			No critical peaks found		
Measurement uncertainty			± 3 dB					

**Result:** The result of the measurement is passed.

**Results: OFDM / g – mode**

TX Spurious Emissions Radiated [dB $\mu$ V/m]								
OFDM – mode								
2412 MHz			2437 MHz			2462 MHz		
F [MHz]	Detector	Level [dB $\mu$ V/m]	F [MHz]	Detector	Level [dB $\mu$ V/m]	F [MHz]	Detector	Level [dB $\mu$ V/m]
No critical peaks found			No critical peaks found			No critical peaks found		
Measurement uncertainty			± 3 dB					

**Result:** The result of the measurement is passed.

**Results: OFDM / n – mode**

TX Spurious Emissions Radiated [dB $\mu$ V/m]								
OFDM – mode								
2412 MHz			2437 MHz			2462 MHz		
F [MHz]	Detector	Level [dB $\mu$ V/m]	F [MHz]	Detector	Level [dB $\mu$ V/m]	F [MHz]	Detector	Level [dB $\mu$ V/m]
No critical peaks found			No critical peaks found			No critical peaks found		
Measurement uncertainty			± 3 dB					

**Result:** The result of the measurement is passed.

**Plots: DSSS / b – mode**

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

**Common Information**

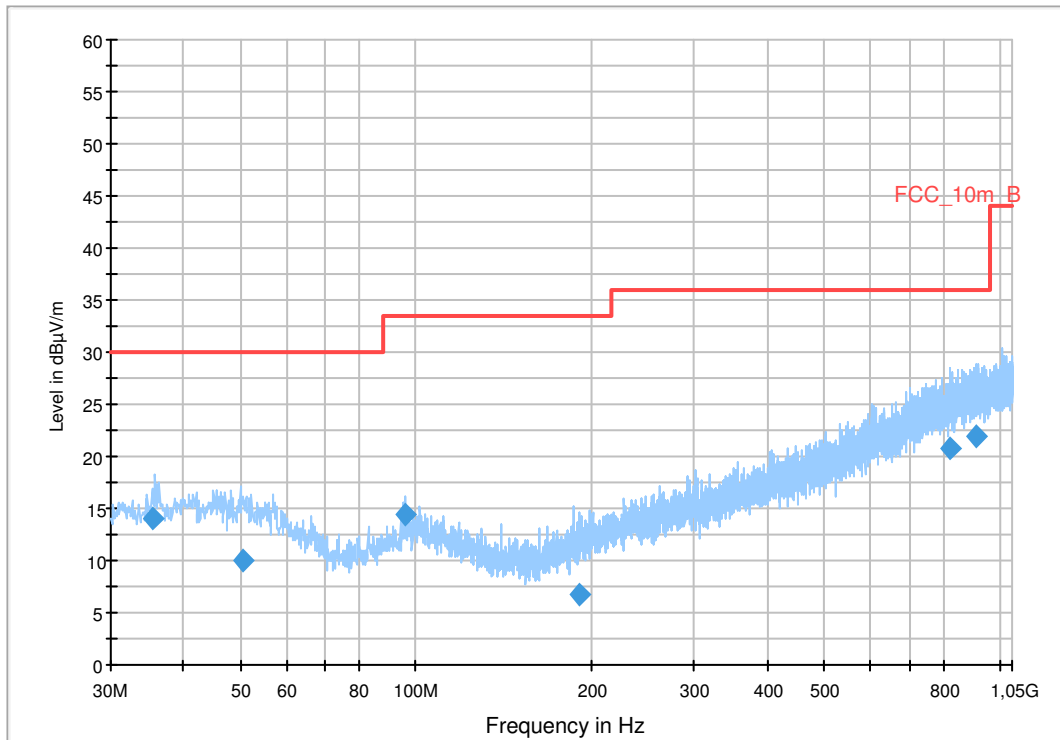
EUT: AAD-3880134-BV  
 Serial Number: CB511VNPCU  
 Test Description: FCC part 15 B class B @ 10 m  
 Operating Conditions: W-LAN b-mode, channel 1; 1MBit/s, + charging  
 Operator Name: Wolsdorfer  
 Comment: AC: 115 V / 60 Hz

**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

FCC\_10m(B)\_3



**Final Result 1**

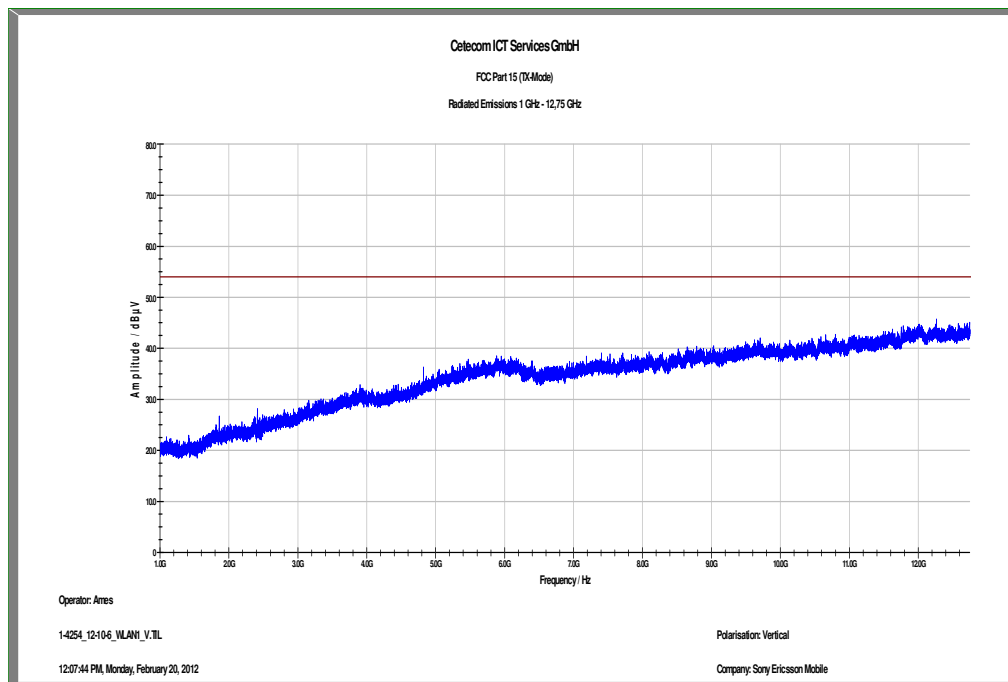
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
35.417100	14.1	1000.0	120.000	132.0	V	283.0	13.1	15.9	30.0	
50.517600	9.9	1000.0	120.000	133.0	V	106.0	13.3	20.1	30.0	
95.970900	14.3	1000.0	120.000	170.0	V	-6.0	11.4	19.2	33.5	
190.626150	6.7	1000.0	120.000	120.0	V	283.0	11.1	26.8	33.5	
822.320250	20.8	1000.0	120.000	170.0	H	106.0	24.1	15.2	36.0	
910.533150	21.9	1000.0	120.000	134.0	V	268.0	25.2	14.1	36.0	

**Hardware Setup:** EMI radiated\Electric Field (NOS) - [EMI radiated]

Subrange 1	
Frequency Range:	30 MHz - 2 GHz
Receiver:	Receiver [ESCI 3] @ GPIB0 (ADR 20), SN 100083/003, FW 4.42
Signal Path:	without Notch FW 1.0
Antenna:	VULB 9163 SN 9163-295, FW --- Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table (vertical): Cable_EN_1GHz (1005) Correction Table (horizontal): Cable_EN_1GHz (1005)
Antenna Tower:	Tower [EMCO 2090 Antenna Tower] @ GPIB0 (ADR 8), FW REV 3.12
Turntable:	Turntable [EMCO Turntable] @ GPIB0 (ADR 9), FW REV 3.12

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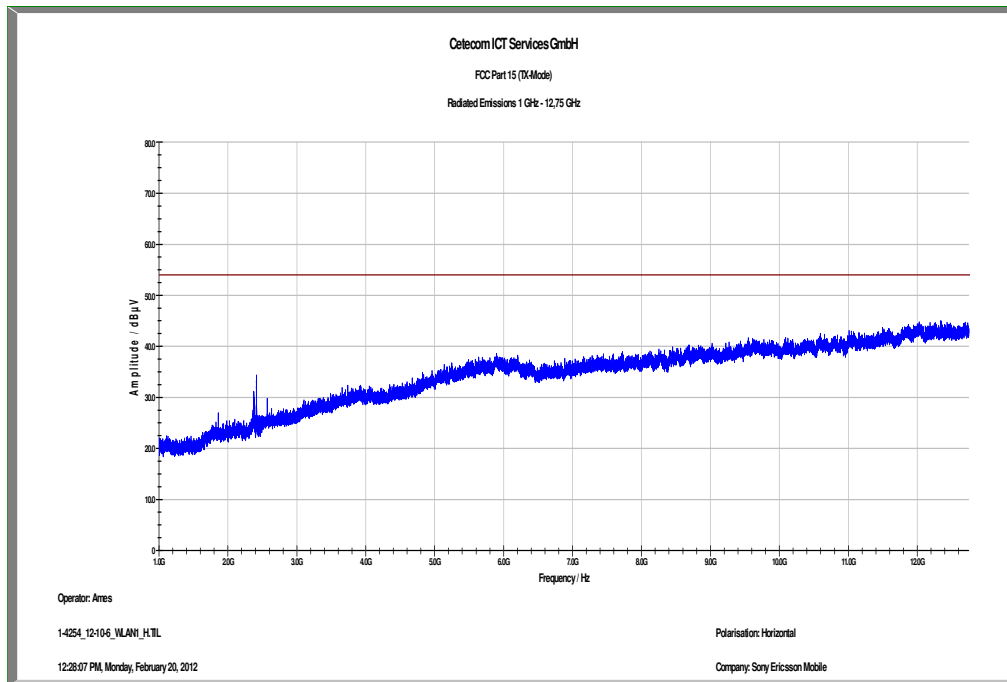
**Plot 2:** Lowest channel, 1 GHz to 12.75 GHz, vertical polarization



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

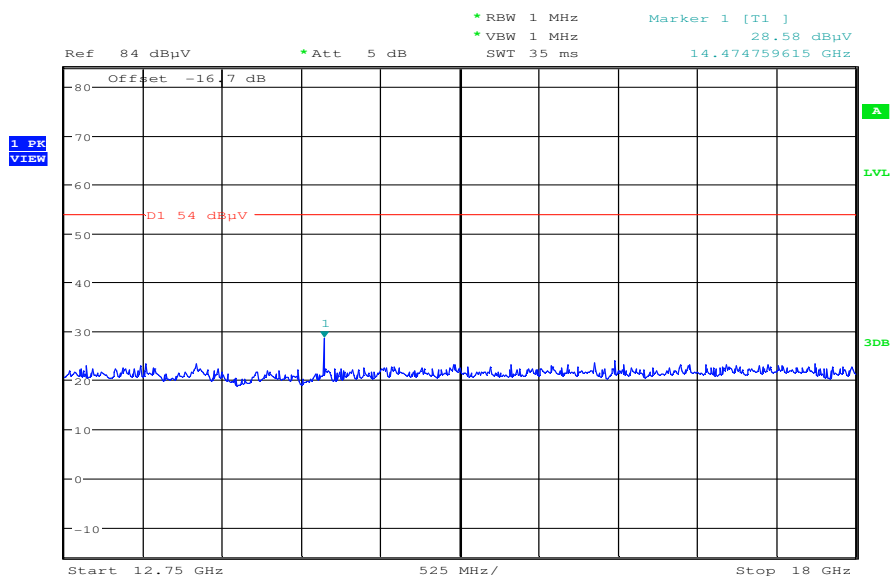


**Plot 3:** Lowest channel, 1 GHz to 12.75 GHz, horizontal polarization



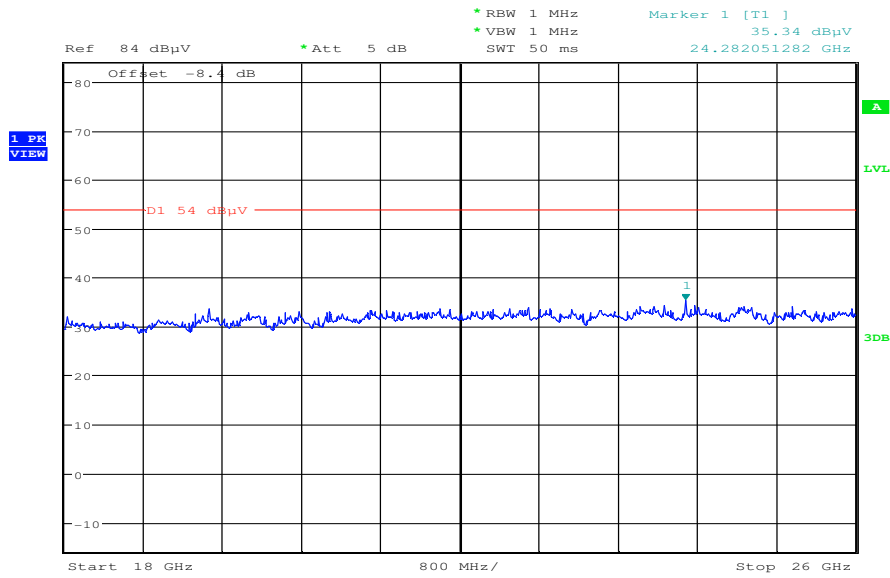
The carrier signal is notched with a 2.4 GHz band rejection filter.

**Plot 4:** Lowest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization (valid for all channels)



Date: 23.FEB.2012 11:01:23

Plot 5: Lowest channel, 18 GHz to 26 GHz, vertical & horizontal polarization (valid for all channels)



Date: 23.FEB.2012 10:52:42

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

**Common Information**

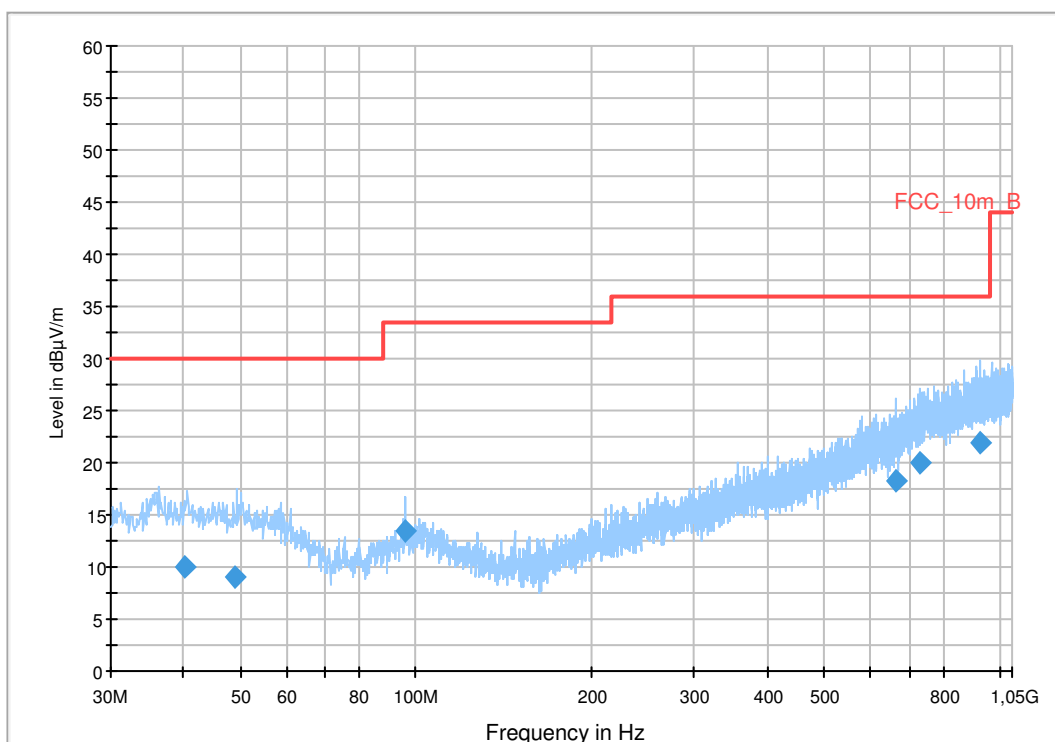
EUT: AAD-3880134-BV  
 Serial Number: CB511VNPCU  
 Test Description: FCC part 15 B class B @ 10 m  
 Operating Conditions: W-LAN b-mode, channel 6, 1MBit/s, + charging  
 Operator Name: Wolsdorfer  
 Comment: AC: 115 V / 60 Hz

**Scan Setup: STAN\_Fin [EMI radiated]**

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

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

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**Final Result 1**

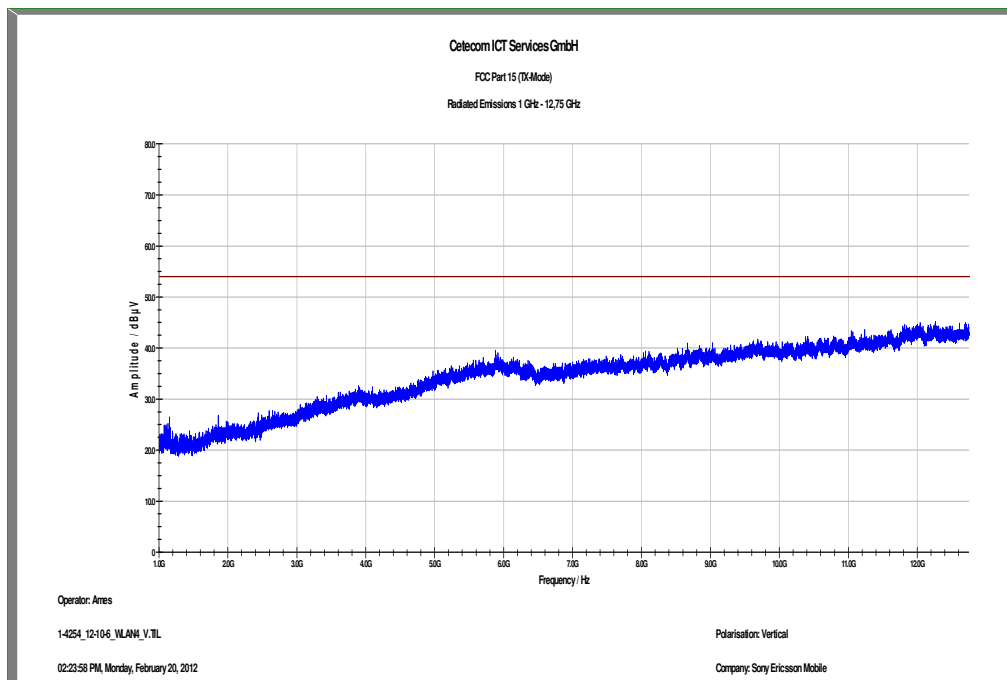
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
40.231650	10.0	1000.0	120.000	146.0	H	194.0	13.4	20.0	30.0	
48.957600	9.0	1000.0	120.000	170.0	H	-2.0	13.4	21.0	30.0	
96.021300	13.4	1000.0	120.000	170.0	V	106.0	11.4	20.1	33.5	
663.095850	18.3	1000.0	120.000	170.0	H	95.0	21.5	17.7	36.0	
729.132900	20.0	1000.0	120.000	170.0	V	106.0	23.2	16.0	36.0	
924.339600	22.0	1000.0	120.000	170.0	V	258.0	25.3	14.0	36.0	

**Hardware Setup:** EMI radiated\Electric Field (NOS) - [EMI radiated]

Subrange 1	
Frequency Range:	30 MHz - 2 GHz
Receiver:	Receiver [ESCI 3] @ GPIB0 (ADR 20), SN 100083/003, FW 4.42
Signal Path:	without Notch FW 1.0
Antenna:	VULB 9163 SN 9163-295, FW --- Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table (vertical): Cable_EN_1GHz (1005) Correction Table (horizontal): Cable_EN_1GHz (1005)
Antenna Tower:	Tower [EMCO 2090 Antenna Tower] @ GPIB0 (ADR 8), FW REV 3.12
Turntable:	Turntable [EMCO Turntable] @ GPIB0 (ADR 9), FW REV 3.12

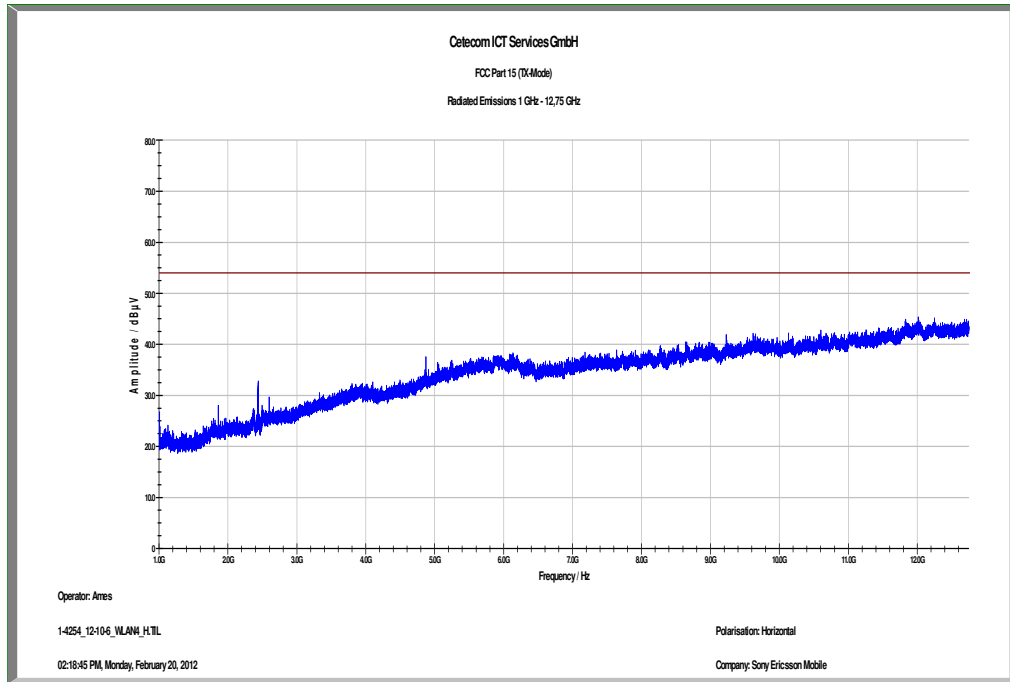
EMC 32 Version 8.10.00

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



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

**Plot 8:** Middle channel, 1 GHz to 12.75 GHz, horizontal polarization



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

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

**Common Information**

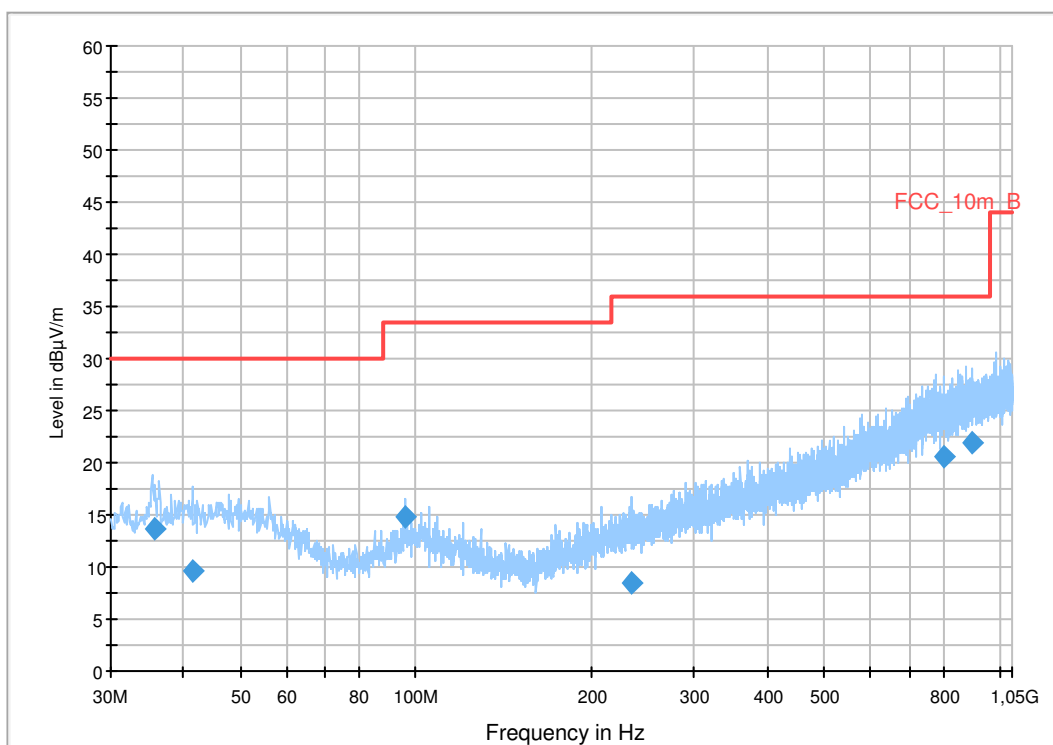
EUT: AAD-3880134-BV  
 Serial Number: CB511VNPCU  
 Test Description: FCC part 15 B class B @ 10 m  
 Operating Conditions: W-LAN b-mode, channel 11, 1MBit/s, + charging  
 Operator Name: Wolsdorfer  
 Comment: AC: 115 V / 60 Hz

**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

FCC\_10m(B)\_3



**Final Result 1**

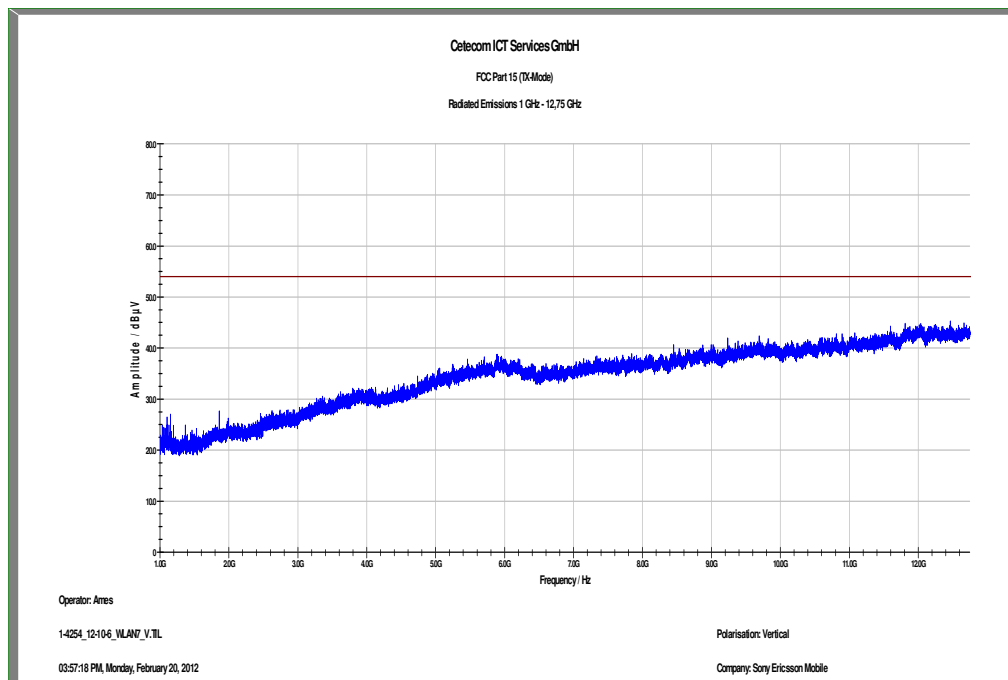
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
35.790600	13.6	1000.0	120.000	156.0	V	103.0	13.1	16.4	30.0	
41.588250	9.5	1000.0	120.000	170.0	H	273.0	13.4	20.5	30.0	
96.003150	14.7	1000.0	120.000	170.0	V	271.0	11.4	18.8	33.5	
234.146400	8.4	1000.0	120.000	170.0	V	90.0	12.8	27.6	36.0	
802.904100	20.5	1000.0	120.000	170.0	H	184.0	23.8	15.5	36.0	
893.989350	21.8	1000.0	120.000	120.0	V	269.0	25.1	14.2	36.0	

**Hardware Setup:** EMI radiated\Electric Field (NOS) - [EMI radiated]

Subrange 1	
Frequency Range:	30 MHz - 2 GHz
Receiver:	Receiver [ESCI 3] @ GPIB0 (ADR 20), SN 100083/003, FW 4.42
Signal Path:	without Notch FW 1.0
Antenna:	VULB 9163 SN 9163-295, FW --- Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table (vertical): Cable_EN_1GHz (1005) Correction Table (horizontal): Cable_EN_1GHz (1005)
Antenna Tower:	Tower [EMCO 2090 Antenna Tower] @ GPIB0 (ADR 8), FW REV 3.12
Turntable:	Turntable [EMCO Turntable] @ GPIB0 (ADR 9), FW REV 3.12

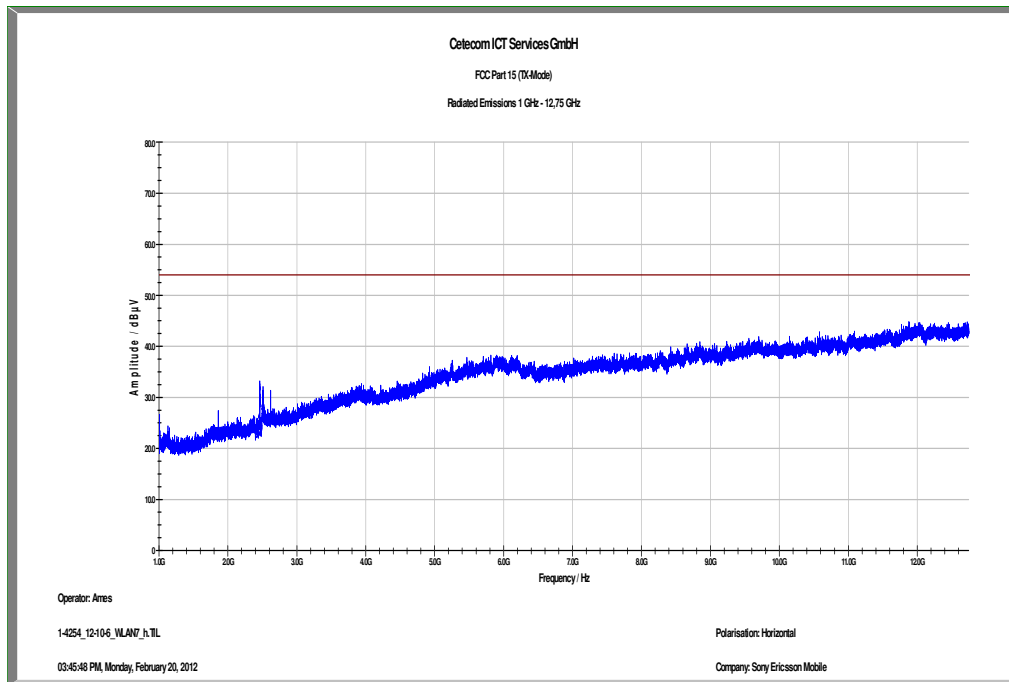
EMC 32 Version 8.10.00

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



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

Plot 11: Highest channel, 1 GHz to 12.75 GHz, horizontal polarization



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



**Plots: OFDM / g – mode**

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

**Common Information**

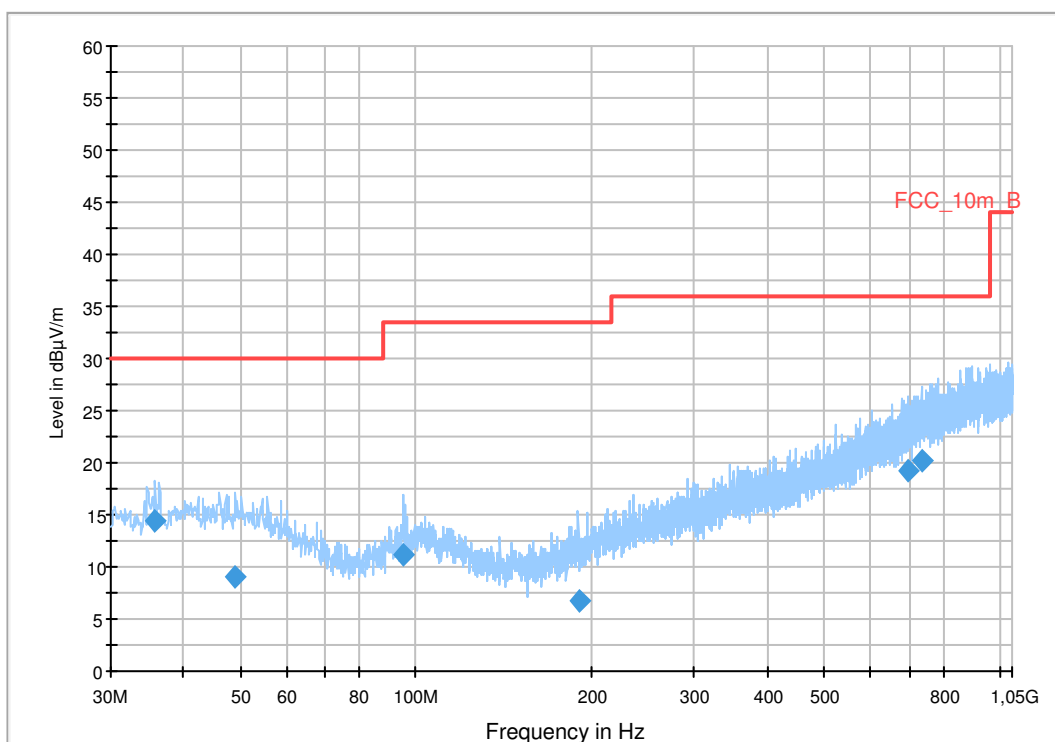
EUT: AAD-3880134-BV  
 Serial Number: CB511VNPCU  
 Test Description: FCC part 15 B class B @ 10 m  
 Operating Conditions: W-LAN g-mode, channel 1, 54MBit/s, + charging  
 Operator Name: Wolsdorfer  
 Comment: AC: 115 V / 60 Hz

**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

FCC\_10m(B)\_3



**Final Result 1**

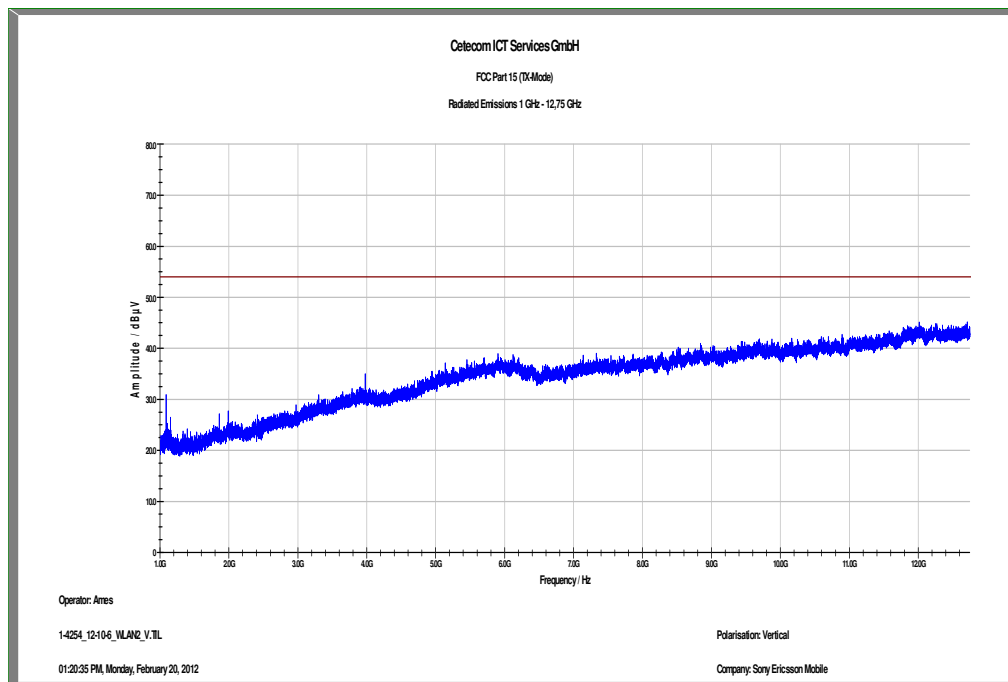
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
35.822700	14.5	1000.0	120.000	98.0	V	96.0	13.1	15.5	30.0	
48.808800	9.0	1000.0	120.000	170.0	H	283.0	13.3	21.0	30.0	
95.013900	11.1	1000.0	120.000	170.0	V	264.0	11.2	22.4	33.5	
190.175400	6.8	1000.0	120.000	155.0	V	283.0	11.1	26.7	33.5	
693.889500	19.2	1000.0	120.000	120.0	V	7.0	22.3	16.8	36.0	
733.433850	20.2	1000.0	120.000	124.0	V	283.0	23.3	15.8	36.0	

**Hardware Setup:** EMI radiated\Electric Field (NOS) - [EMI radiated]

Subrange 1	
Frequency Range:	30 MHz - 2 GHz
Receiver:	Receiver [ESCI 3] @ GPIB0 (ADR 20), SN 100083/003, FW 4.42
Signal Path:	without Notch FW 1.0
Antenna:	VULB 9163 SN 9163-295, FW --- Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table (vertical): Cable_EN_1GHz (1005) Correction Table (horizontal): Cable_EN_1GHz (1005)
Antenna Tower:	Tower [EMCO 2090 Antenna Tower] @ GPIB0 (ADR 8), FW REV 3.12
Turntable:	Turntable [EMCO Turntable] @ GPIB0 (ADR 9), FW REV 3.12

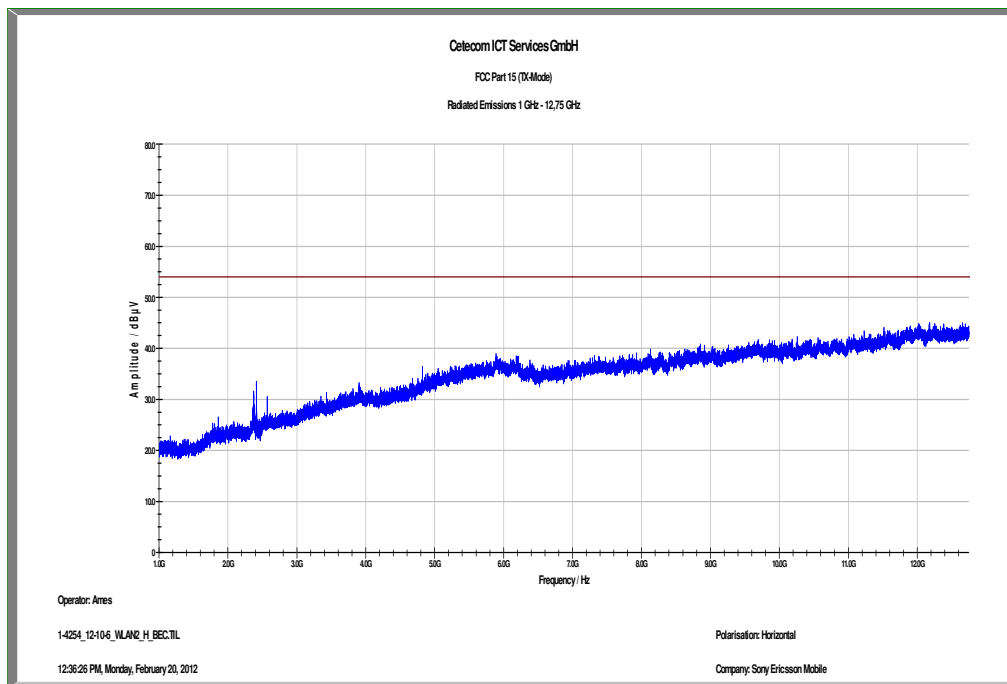
EMC 32 Version 8.10.00

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



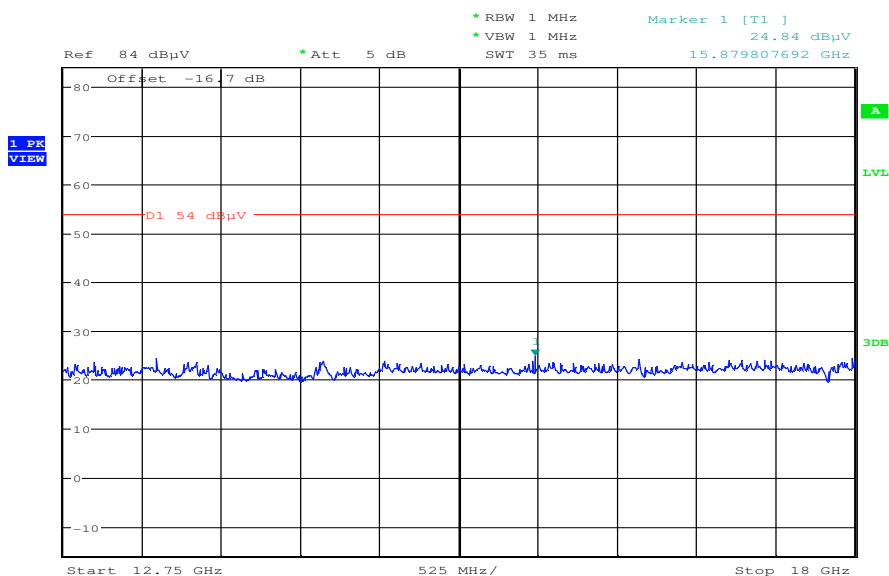
The carrier signal is notched with a 2.4 GHz band rejection filter.

**Plot 3:** Lowest channel, 1 GHz to 12.75 GHz, horizontal polarization



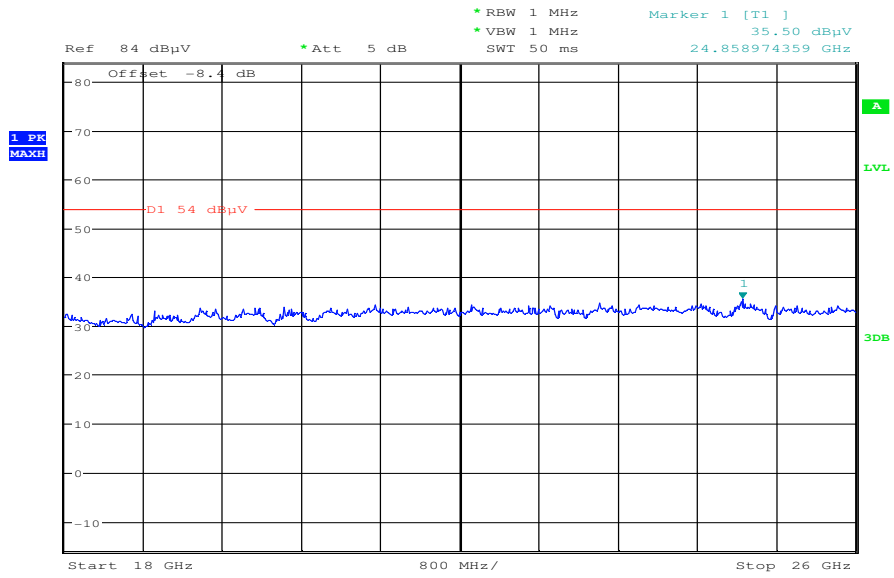
The carrier signal is notched with a 2.4 GHz band rejection filter.

**Plot 4:** Lowest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization (valid for all channels)



Date: 23.FEB.2012 11:00:13

Plot 5: Lowest channel, 18 GHz to 26 GHz, vertical & horizontal polarization (valid for all channels)



Date: 23.FEB.2012 12:02:23

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

**Common Information**

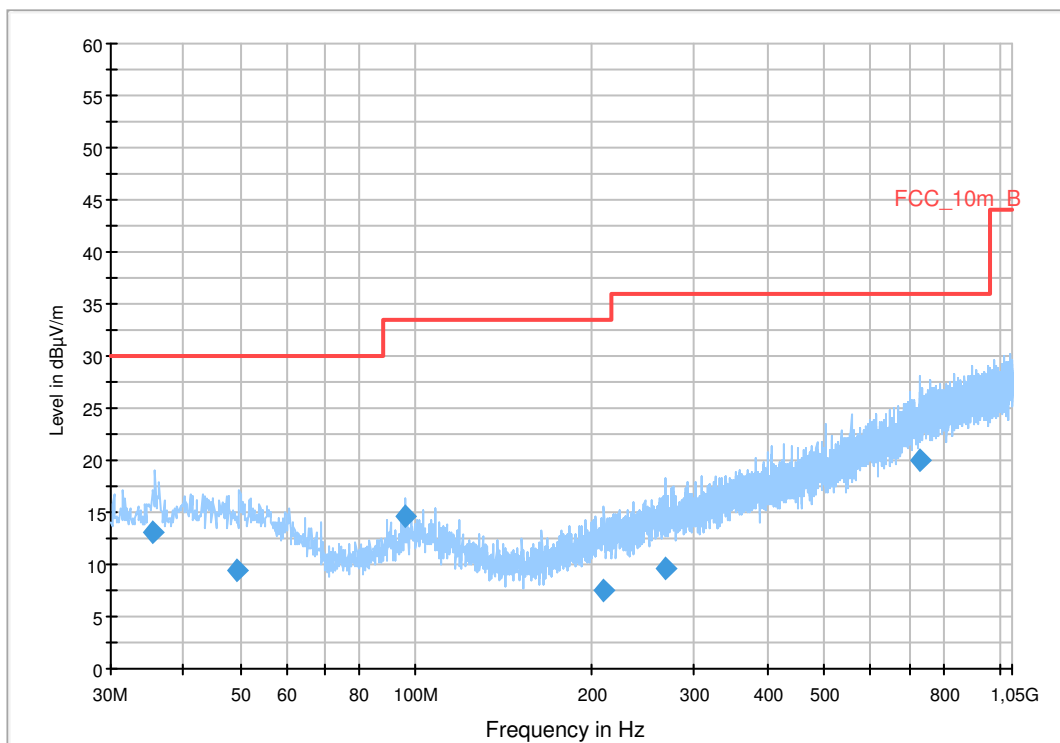
EUT: AAD-3880134-BV  
 Serial Number: CB511VNPCU  
 Test Description: FCC part 15 B class B @ 10 m  
 Operating Conditions: W-LAN g-mode, channel 6, 54MBit/s, + charging  
 Operator Name: Wolsdorfer  
 Comment: AC: 115 V / 60 Hz

**Scan Setup: STAN\_Fin [EMI radiated]**

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

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

FCC\_10m(B)\_3



**Final Result 1**

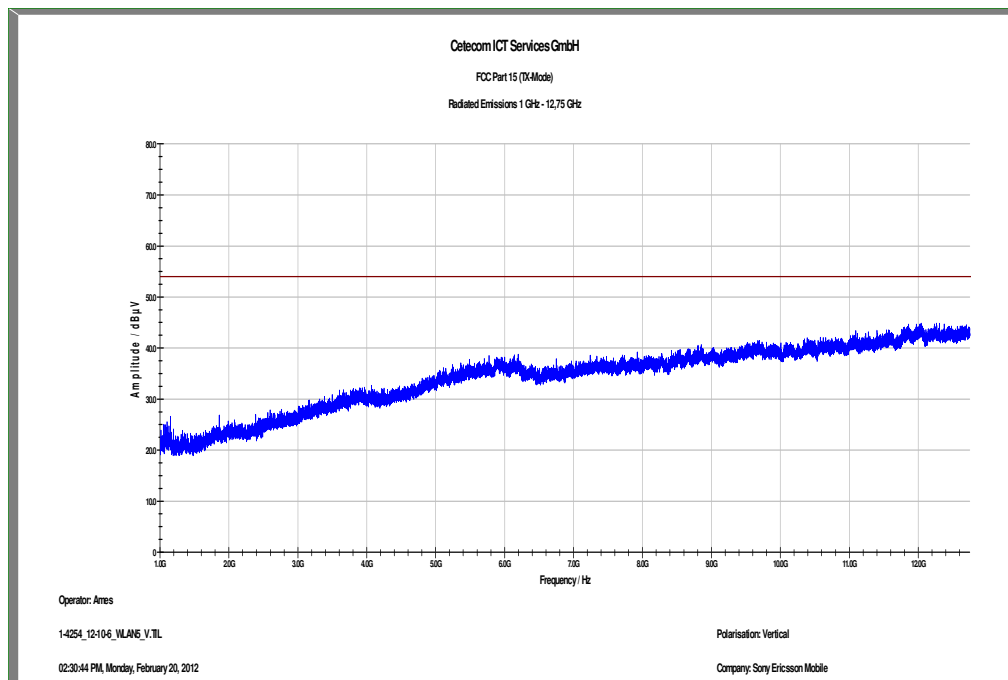
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
35.486700	13.1	1000.0	120.000	120.0	V	106.0	13.1	16.9	30.0	
49.464900	9.3	1000.0	120.000	158.0	V	283.0	13.4	20.7	30.0	
95.991300	14.6	1000.0	120.000	170.0	V	258.0	11.4	18.9	33.5	
210.209250	7.5	1000.0	120.000	162.0	H	8.0	12.1	26.0	33.5	
268.641750	9.6	1000.0	120.000	170.0	V	106.0	13.8	26.4	36.0	
729.498300	20.0	1000.0	120.000	98.0	V	7.0	23.2	16.0	36.0	

**Hardware Setup:** EMI radiated\Electric Field (NOS) - [EMI radiated]

Subrange 1	
Frequency Range:	30 MHz - 2 GHz
Receiver:	Receiver [ESCI 3] @ GPIB0 (ADR 20), SN 100083/003, FW 4.42
Signal Path:	without Notch FW 1.0
Antenna:	VULB 9163 SN 9163-295, FW --- Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table (vertical): Cable_EN_1GHz (1005) Correction Table (horizontal): Cable_EN_1GHz (1005)
Antenna Tower:	Tower [EMCO 2090 Antenna Tower] @ GPIB0 (ADR 8), FW REV 3.12
Turntable:	Turntable [EMCO Turntable] @ GPIB0 (ADR 9), FW REV 3.12

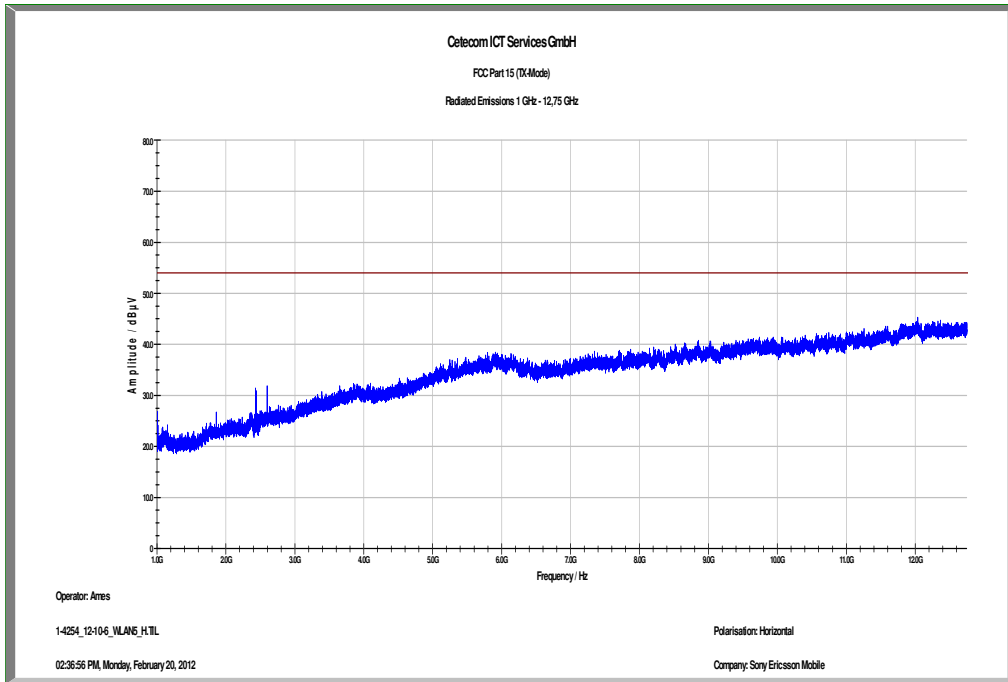
EMC 32 Version 8.10.00

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



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

**Plot 8:** Middle channel, 1 GHz to 12.75 GHz, horizontal polarization



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

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

**Common Information**

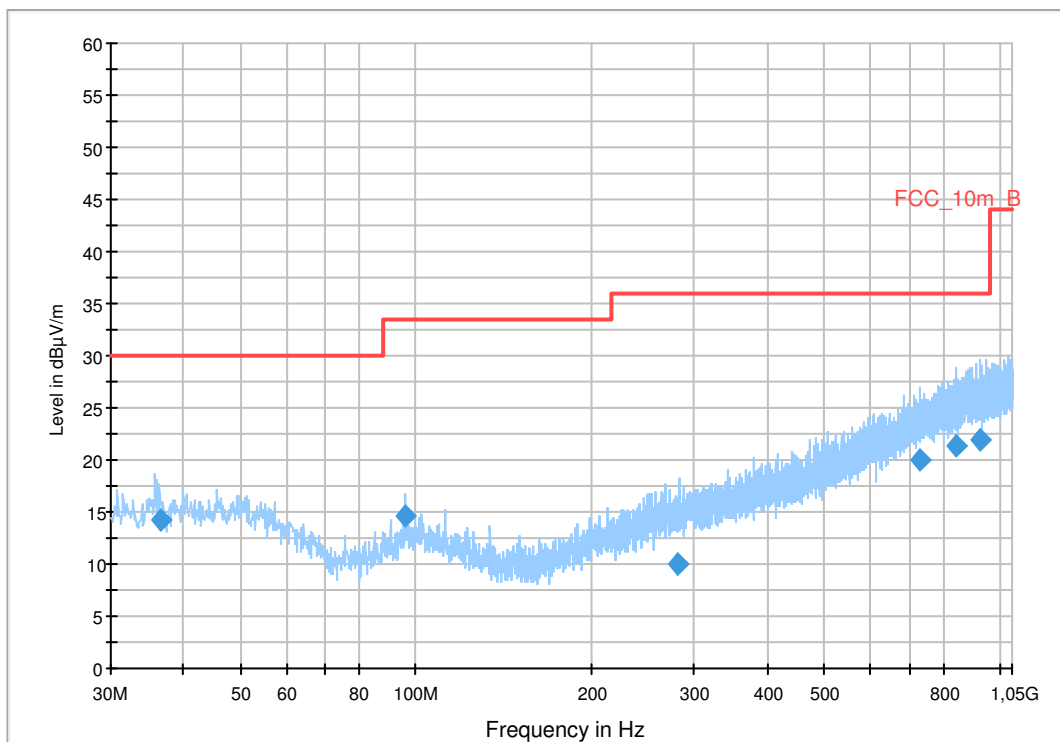
EUT: AAD-3880134-BV  
 Serial Number: CB511VNPCU  
 Test Description: FCC part 15 B class B @ 10 m  
 Operating Conditions: W-LAN g-mode, channel 11, 54MBit/s, + charging  
 Operator Name: Wolsdorfer  
 Comment: AC: 115 V / 60 Hz

**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

FCC\_10m(B)\_3



**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
36.457200	14.3	1000.0	120.000	125.0	V	174.0	13.2	15.7	30.0	
95.985300	14.6	1000.0	120.000	170.0	V	-7.0	11.4	18.9	33.5	
281.461350	10.0	1000.0	120.000	170.0	V	174.0	14.1	26.0	36.0	
729.004500	20.0	1000.0	120.000	156.0	V	195.0	23.2	16.0	36.0	
843.793950	21.3	1000.0	120.000	162.0	V	92.0	24.5	14.7	36.0	
927.235500	21.9	1000.0	120.000	121.0	H	271.0	25.3	14.1	36.0	

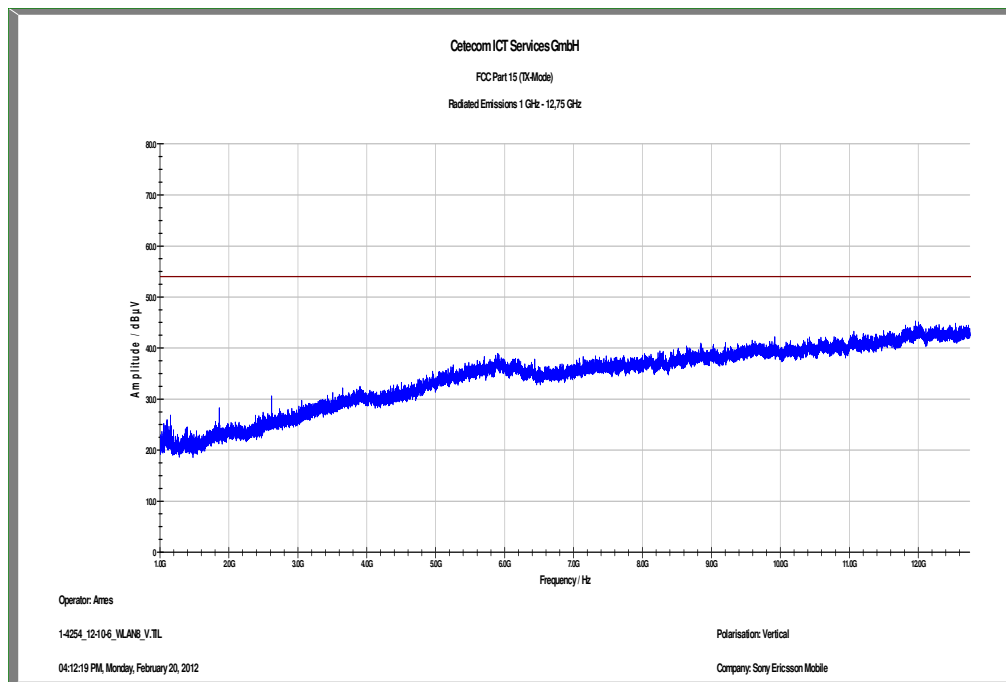


**Hardware Setup:** EMI radiated\Electric Field (NOS) - [EMI radiated]

Subrange 1	
Frequency Range:	30 MHz - 2 GHz
Receiver:	Receiver [ESCI 3] @ GPIB0 (ADR 20), SN 100083/003, FW 4.42
Signal Path:	without Notch FW 1.0
Antenna:	VULB 9163 SN 9163-295, FW --- Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table (vertical): Cable_EN_1GHz (1005) Correction Table (horizontal): Cable_EN_1GHz (1005)
Antenna Tower:	Tower [EMCO 2090 Antenna Tower] @ GPIB0 (ADR 8), FW REV 3.12
Turntable:	Turntable [EMCO Turntable] @ GPIB0 (ADR 9), FW REV 3.12

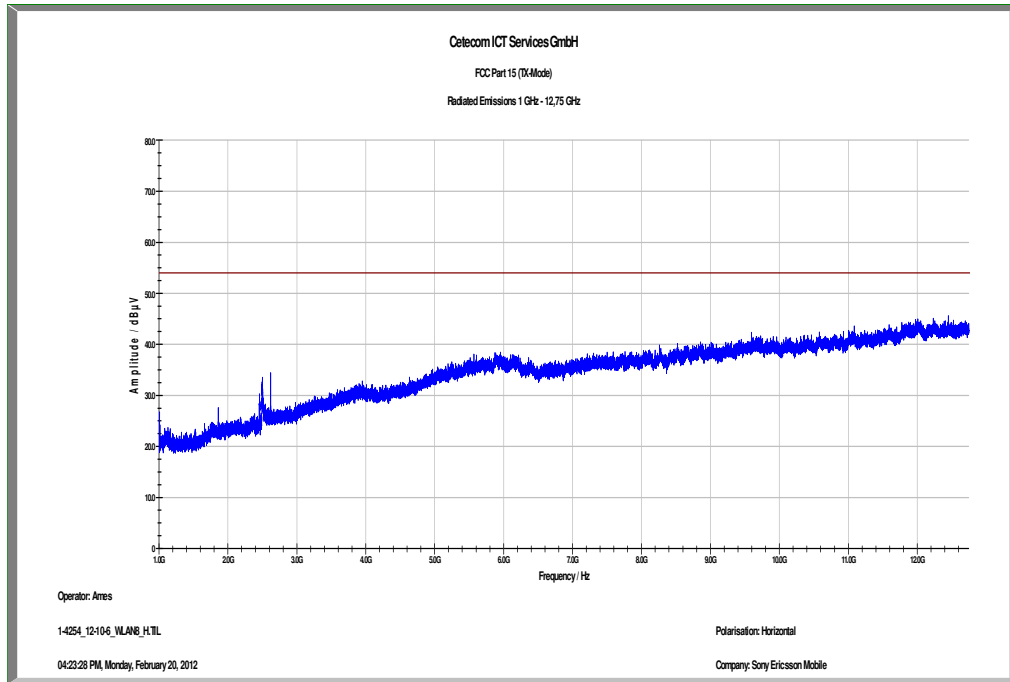
EMC 32 Version 8.10.00

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



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

Plot 11: Highest channel, 1 GHz to 12.75 GHz, horizontal polarization



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

**Plots: OFDM / n – mode**

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

**Common Information**

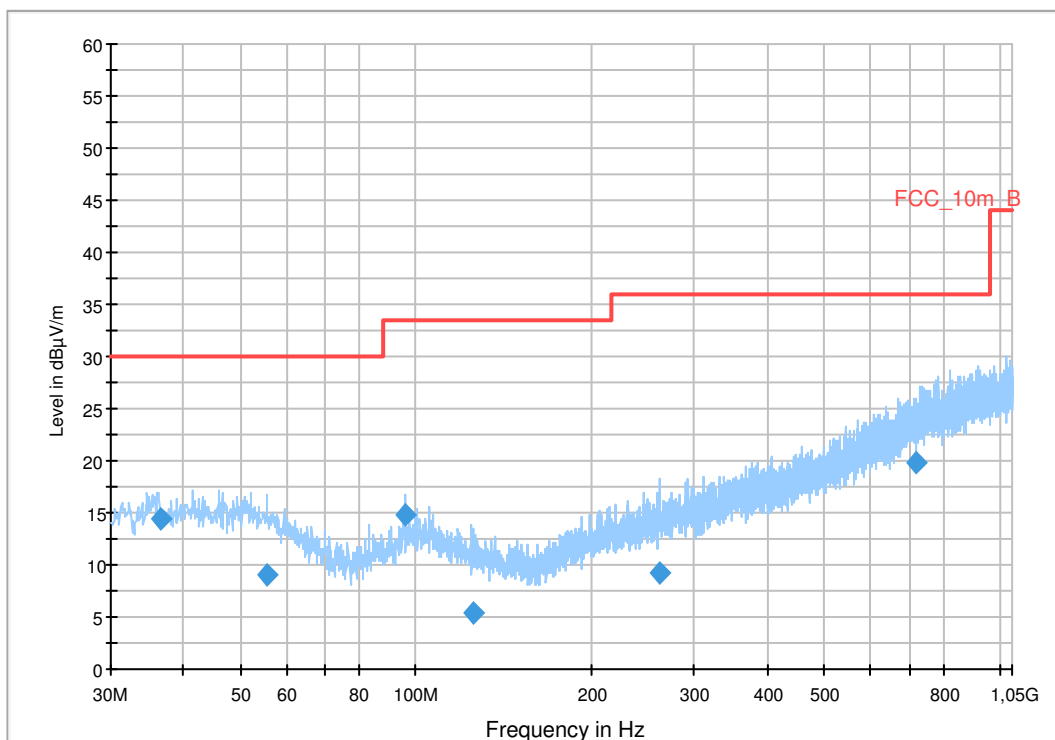
EUT: AAD-3880134-BV  
 Serial Number: CB511VNPCU  
 Test Description: FCC part 15 B class B @ 10 m  
 Operating Conditions: W-LAN n-mode, channel 1, MCS6, + charging  
 Operator Name: Wolsdorfer  
 Comment: AC: 115 V / 60 Hz

**Scan Setup: STAN\_Fin [EMI radiated]**

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

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

FCC\_10m(B)\_3



**Final Result 1**

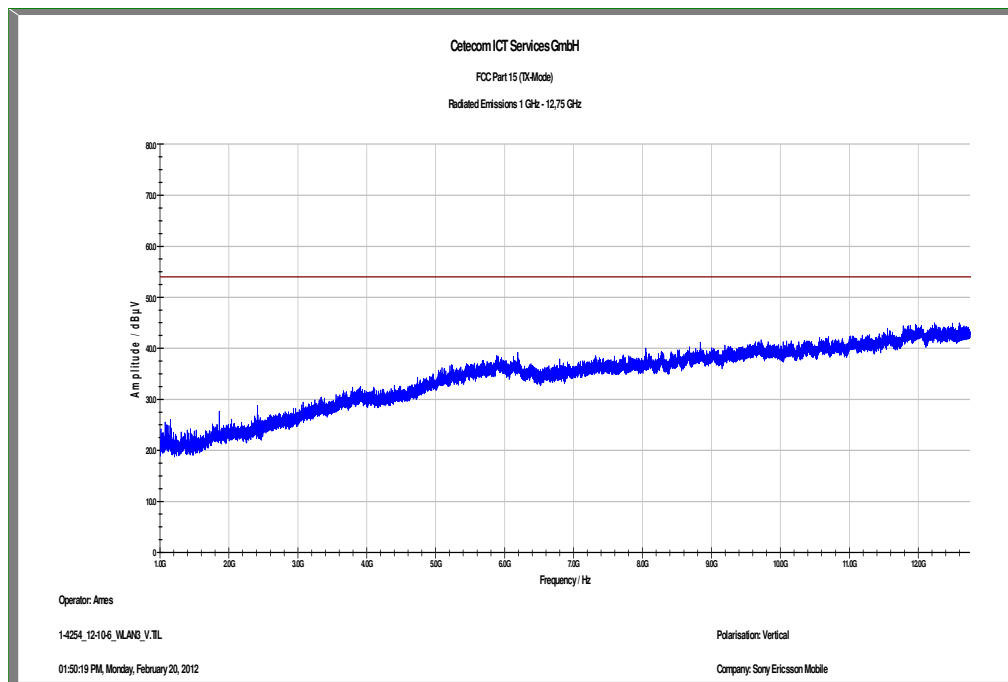
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
36.479700	14.5	1000.0	120.000	98.0	V	195.0	13.2	15.5	30.0	
55.527750	9.1	1000.0	120.000	170.0	V	273.0	12.7	20.9	30.0	
96.003300	14.7	1000.0	120.000	112.0	V	283.0	11.4	18.8	33.5	
124.884900	5.4	1000.0	120.000	170.0	H	195.0	9.8	28.1	33.5	
261.476250	9.2	1000.0	120.000	120.0	H	283.0	13.6	26.8	36.0	
718.639350	19.7	1000.0	120.000	170.0	V	91.0	22.9	16.3	36.0	

**Hardware Setup:** EMI radiated\Electric Field (NOS) - [EMI radiated]

Subrange 1	
Frequency Range:	30 MHz - 2 GHz
Receiver:	Receiver [ESCI 3] @ GPIB0 (ADR 20), SN 100083/003, FW 4.42
Signal Path:	without Notch FW 1.0
Antenna:	VULB 9163 SN 9163-295, FW --- Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table (vertical): Cable_EN_1GHz (1005) Correction Table (horizontal): Cable_EN_1GHz (1005)
Antenna Tower:	Tower [EMCO 2090 Antenna Tower] @ GPIB0 (ADR 8), FW REV 3.12
Turntable:	Turntable [EMCO Turntable] @ GPIB0 (ADR 9), FW REV 3.12

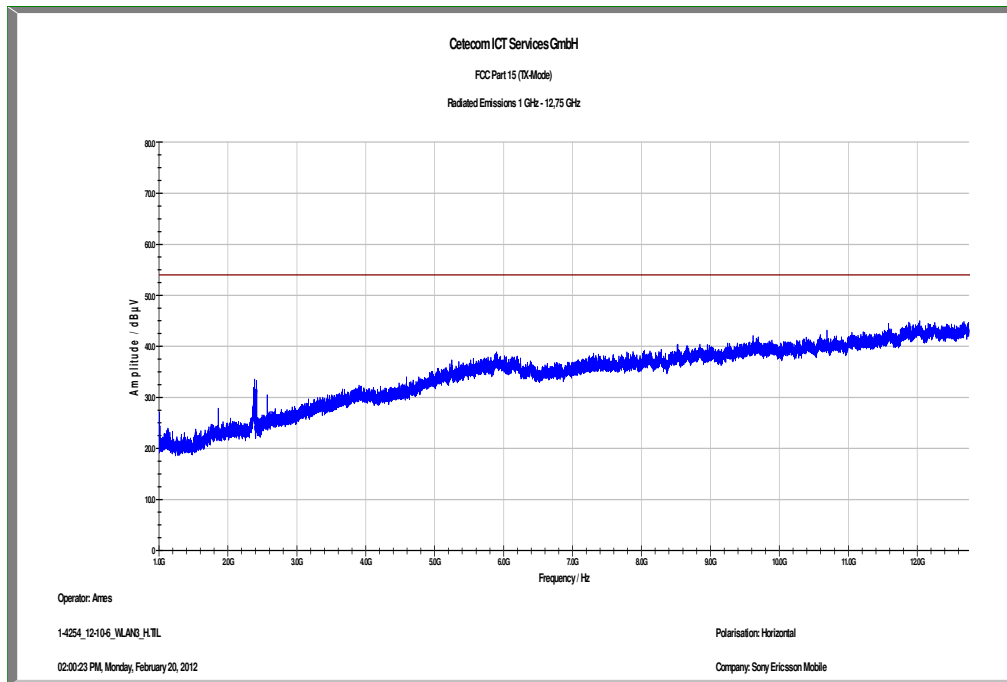
EMC 32 Version 8.10.00

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



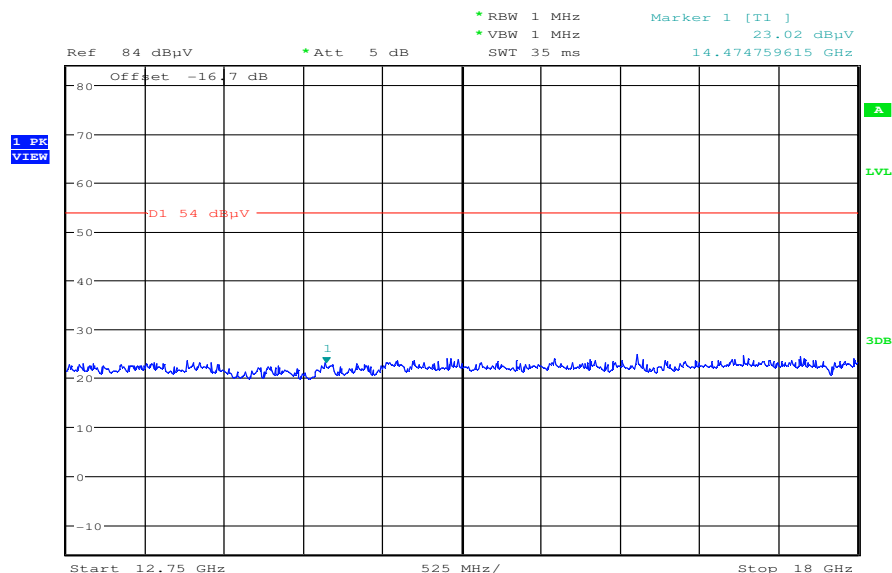
The carrier signal is notched with a 2.4 GHz band rejection filter.

**Plot 3:** Lowest channel, 1 GHz to 12.75 GHz, horizontal polarization



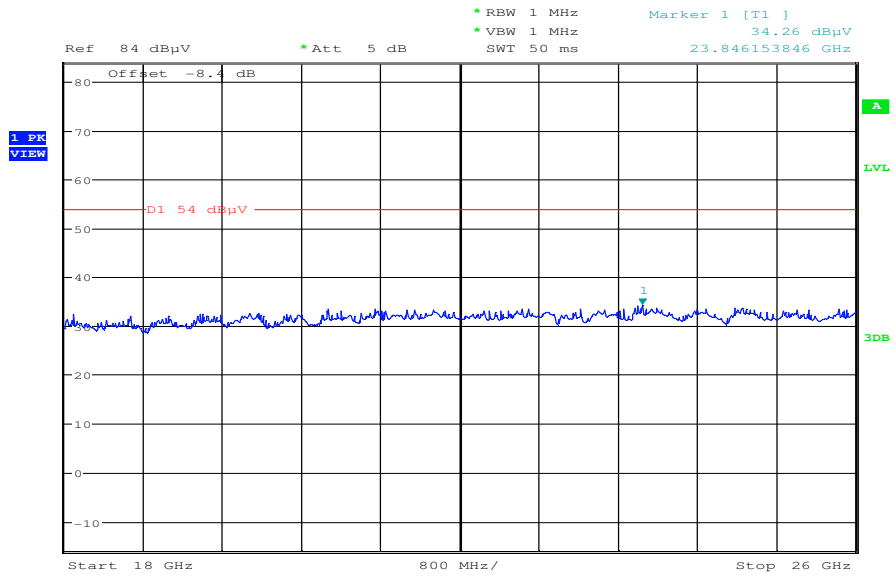
The carrier signal is notched with a 2.4 GHz band rejection filter.

**Plot 4:** Lowest channel, 12.75 GHz to 18 GHz, vertical & horizontal polarization (valid for all channels)



Date: 23.FEB.2012 10:45:20

Plot 5: Lowest channel, 18 GHz to 26 GHz, vertical & horizontal polarization (valid for all channels)



Date: 23.FEB.2012 10:57:13

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

**Common Information**

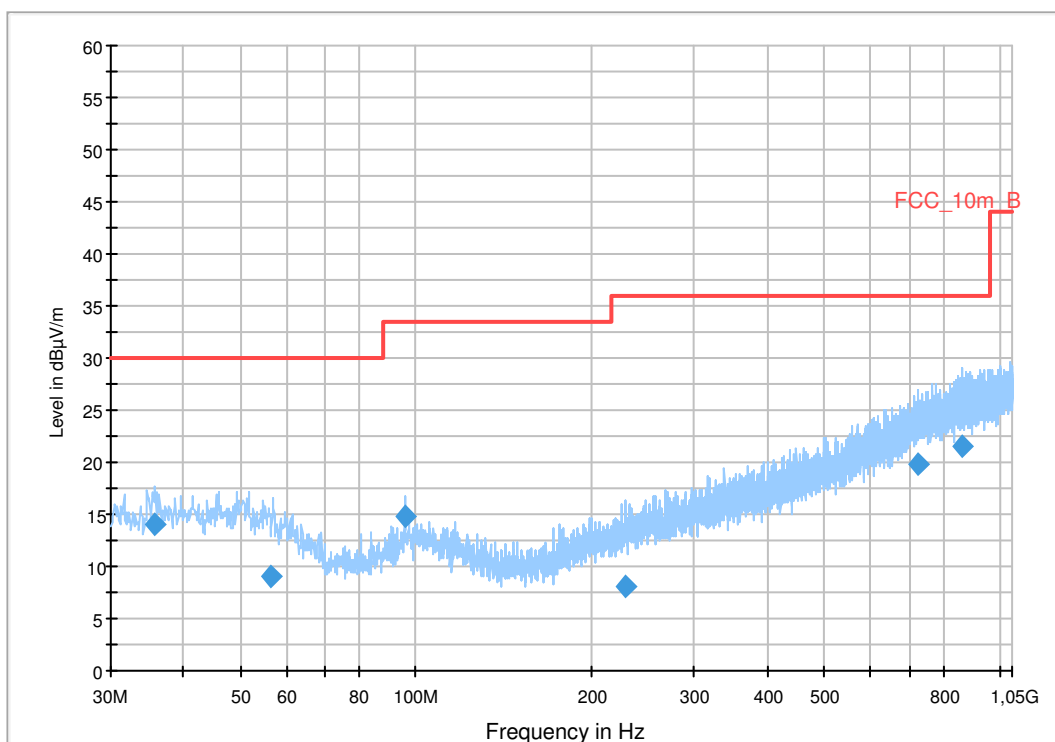
EUT: AAD-3880134-BV  
 Serial Number: CB511VNPCU  
 Test Description: FCC part 15 B class B @ 10 m  
 Operating Conditions: W-LAN n-mode, channel 6, MCS6, + charging  
 Operator Name: Wolsdorfer  
 Comment: AC: 115 V / 60 Hz

**Scan Setup: STAN\_Fin [EMI radiated]**

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

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

FCC\_10m(B)\_3



**Final Result 1**

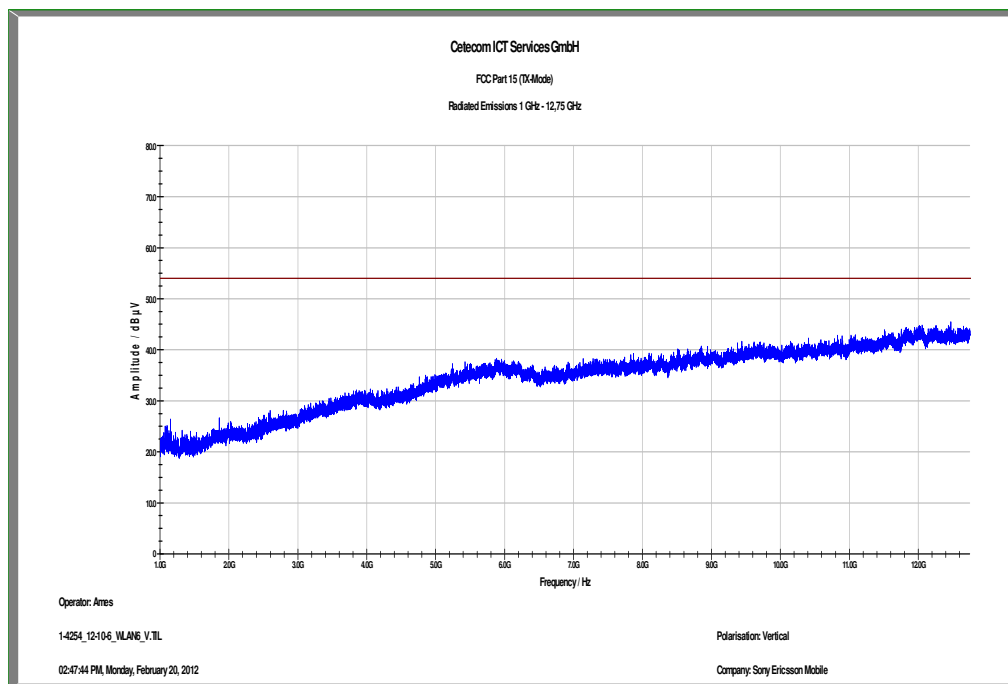
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
35.780100	14.0	1000.0	120.000	120.0	V	260.0	13.1	16.0	30.0	
56.418150	9.0	1000.0	120.000	170.0	V	283.0	12.5	21.0	30.0	
95.981850	14.8	1000.0	120.000	132.0	V	7.0	11.4	18.7	33.5	
228.314400	8.1	1000.0	120.000	170.0	H	8.0	12.7	27.9	36.0	
724.991100	19.9	1000.0	120.000	170.0	H	283.0	23.1	16.1	36.0	
860.441850	21.5	1000.0	120.000	155.0	H	89.0	24.7	14.5	36.0	

**Hardware Setup:** EMI radiated\Electric Field (NOS) - [EMI radiated]

Subrange 1	
Frequency Range:	30 MHz - 2 GHz
Receiver:	Receiver [ESCI 3] @ GPIB0 (ADR 20), SN 100083/003, FW 4.42
Signal Path:	without Notch FW 1.0
Antenna:	VULB 9163 SN 9163-295, FW --- Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table (vertical): Cable_EN_1GHz (1005) Correction Table (horizontal): Cable_EN_1GHz (1005)
Antenna Tower:	Tower [EMCO 2090 Antenna Tower] @ GPIB0 (ADR 8), FW REV 3.12
Turntable:	Turntable [EMCO Turntable] @ GPIB0 (ADR 9), FW REV 3.12

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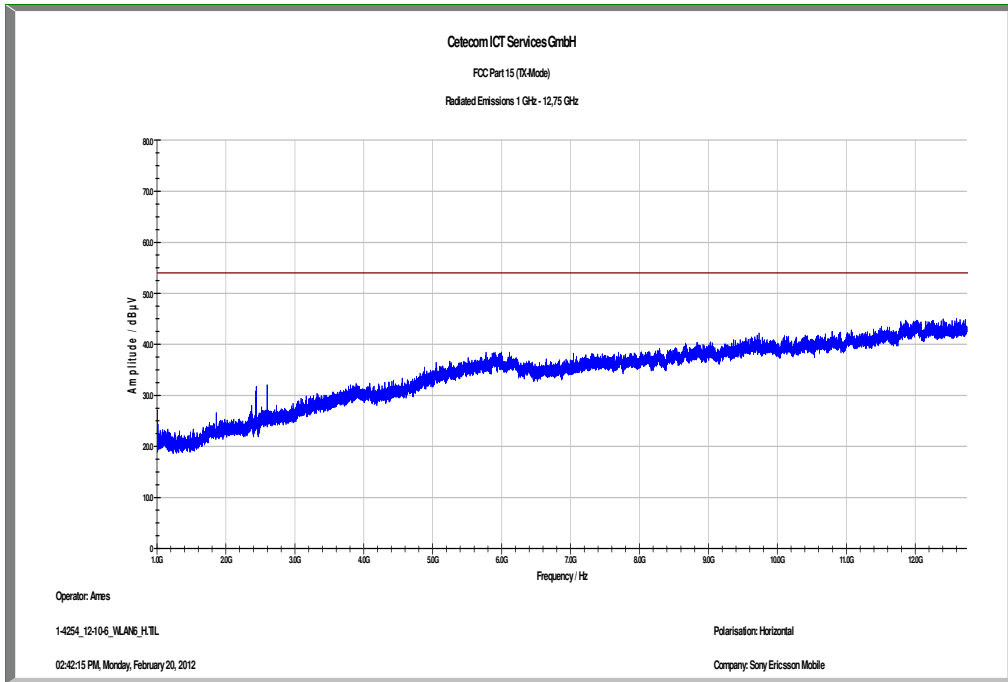
**Plot 7:** Middle channel, 1 GHz to 12.75 GHz, vertical polarization



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



Plot 8: Middle channel, 1 GHz to 12.75 GHz, horizontal polarization



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

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

**Common Information**

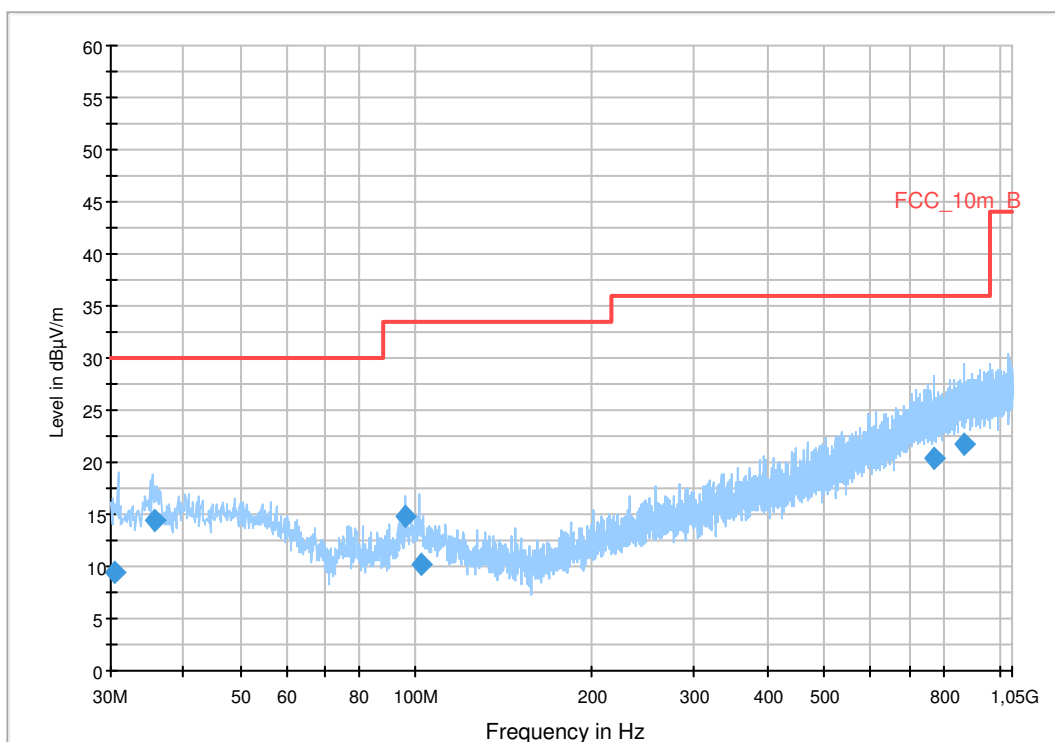
EUT: AAD-3880134-BV  
 Serial Number: CB511VNPCU  
 Test Description: FCC part 15 B class B @ 10 m  
 Operating Conditions: W-LAN n-mode, channel 11, MCS6, + charging  
 Operator Name: Wolsdorfer  
 Comment: AC: 115 V / 60 Hz

**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

FCC\_10m(B)\_3



**Final Result 1**

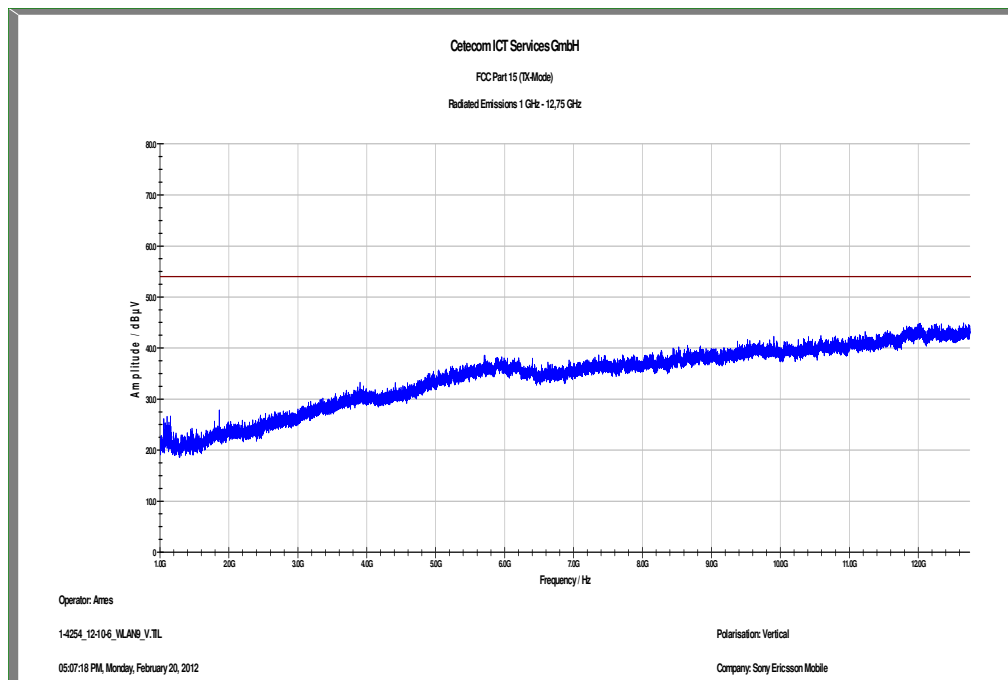
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
30.583500	9.5	1000.0	120.000	157.0	V	195.0	12.6	20.5	30.0	
35.758350	14.4	1000.0	120.000	170.0	V	82.0	13.1	15.6	30.0	
95.993250	14.8	1000.0	120.000	134.0	V	177.0	11.4	18.7	33.5	
101.721750	10.2	1000.0	120.000	156.0	V	-6.0	11.7	23.3	33.5	
774.063900	20.4	1000.0	120.000	98.0	V	7.0	23.7	15.6	36.0	
866.124450	21.7	1000.0	120.000	120.0	V	172.0	24.8	14.3	36.0	

**Hardware Setup:** EMI radiated\Electric Field (NOS) - [EMI radiated]

Subrange 1	
Frequency Range:	30 MHz - 2 GHz
Receiver:	Receiver [ESCI 3] @ GPIB0 (ADR 20), SN 100083/003, FW 4.42
Signal Path:	without Notch FW 1.0
Antenna:	VULB 9163 SN 9163-295, FW --- Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table (vertical): Cable_EN_1GHz (1005) Correction Table (horizontal): Cable_EN_1GHz (1005)
Antenna Tower:	Tower [EMCO 2090 Antenna Tower] @ GPIB0 (ADR 8), FW REV 3.12
Turntable:	Turntable [EMCO Turntable] @ GPIB0 (ADR 9), FW REV 3.12

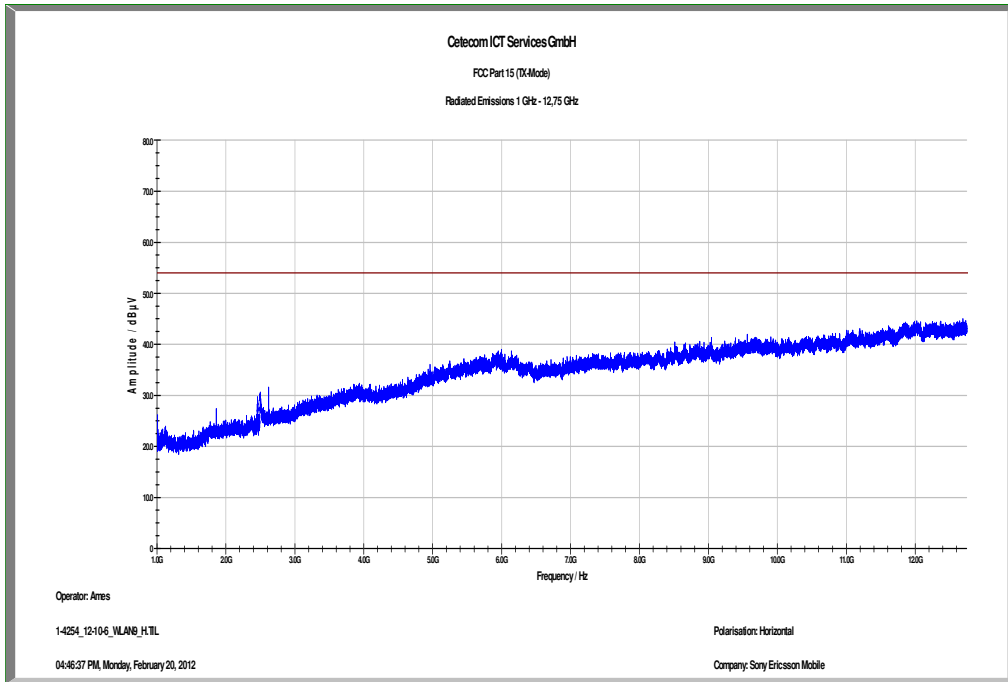
EMC 32 Version 8.10.00

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



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

Plot 11: Highest channel, 1 GHz to 12.75 GHz, horizontal polarization



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

### 9.11 RX spurious emissions radiated

**Description:**

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

**Measurement:**

Measurement parameter	
Detector:	Peak / Quasi Peak
Sweep time:	Auto
Video bandwidth:	Sweep: 100 kHz Remeasurement: 10 Hz
Resolution bandwidth:	F < 1 GHz: 100 kHz F > 1 GHz: 1 MHz
Span:	30 MHz to 26 GHz
Trace-Mode:	Max Hold

**Limits:**

FCC		IC	
CFR Part 15.109		RSS Gen, Issue 2, 4.10	
RX Spurious Emissions Radiated			
Frequency (MHz)	Field Strength (dBμV/m)	Measurement distance	
30 - 88	30.0	10	
88 – 216	33.5	10	
216 – 960	36.0	10	
Above 960	54.0	3	

**Results:**

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

**Result:** The result of the measurement is passed.

**Plots: RX / Idle – mode**

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

**Common Information**

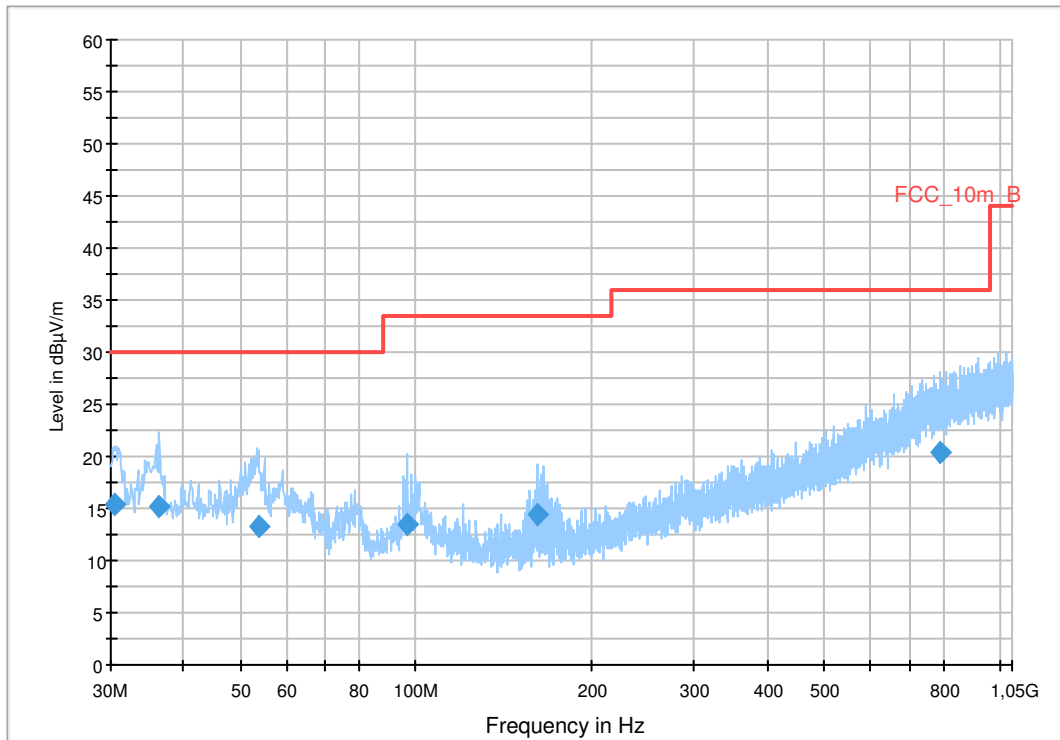
EUT: AAD-3880134-BV  
 Serial Number: CB511VNPCU  
 Test Description: FCC part 15 B class B @ 10 m  
 Operating Conditions: W-LAN idle, charging  
 Operator Name: Wolsdorfer  
 Comment: AC: 115 V / 60 Hz

**Scan Setup: STAN\_Fin [EMI radiated]**

Hardware Setup: Electric Field (NOS)  
 Receiver: [ESC1 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

FCC\_10m(B)\_3



**Final Result 1**

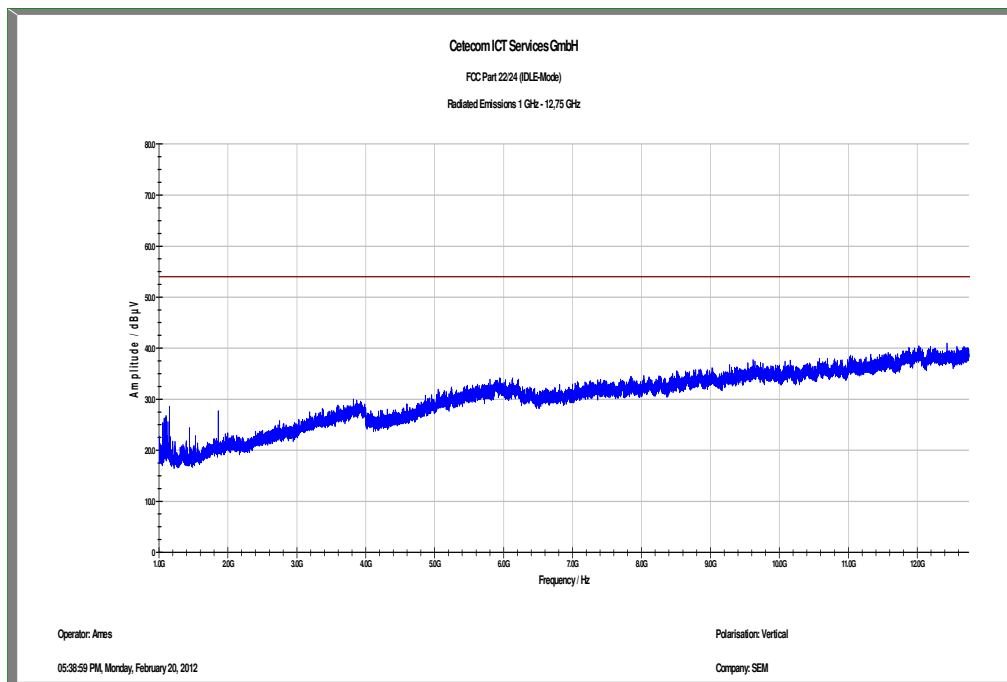
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
30.518023	15.5	1000.0	120.000	170.0	V	266.0	12.6	14.5	30.0	
36.402600	15.1	1000.0	120.000	156.0	V	269.0	13.1	14.9	30.0	
54.036600	13.3	1000.0	120.000	120.0	V	-6.0	13.0	16.7	30.0	
96.686700	13.4	1000.0	120.000	124.0	V	270.0	11.5	20.1	33.5	
161.710500	14.4	1000.0	120.000	98.0	V	260.0	9.3	19.1	33.5	
791.079150	20.4	1000.0	120.000	170.0	H	106.0	23.8	15.6	36.0	

**Hardware Setup:** EMI radiated\Electric Field (NOS) - [EMI radiated]

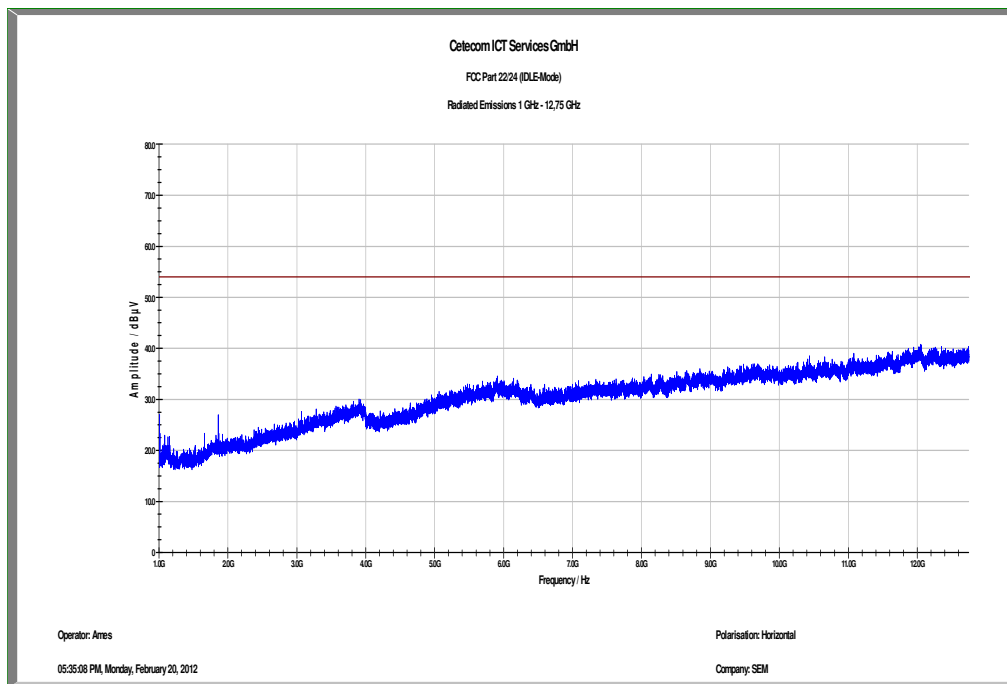
Subrange 1	
Frequency Range:	30 MHz - 2 GHz
Receiver:	Receiver [ESCI 3] @ GPIB0 (ADR 20), SN 100083/003, FW 4.42
Signal Path:	without Notch FW 1.0
Antenna:	VULB 9163 SN 9163-295, FW --- Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table (vertical): Cable_EN_1GHz (1005) Correction Table (horizontal): Cable_EN_1GHz (1005)
Antenna Tower:	Tower [EMCO 2090 Antenna Tower] @ GPIB0 (ADR 8), FW REV 3.12
Turntable:	Turntable [EMCO Turntable] @ GPIB0 (ADR 9), FW REV 3.12

EMC 32 Version 8.10.00

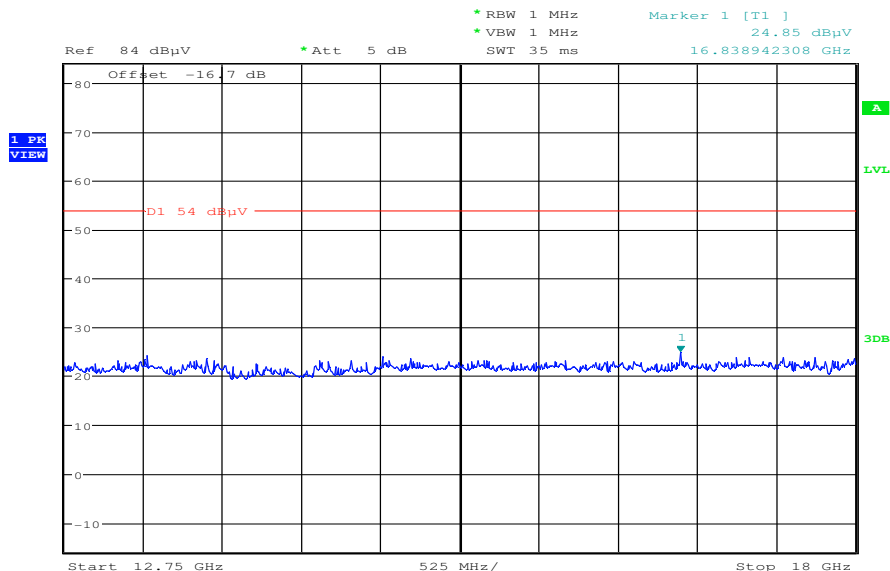
**Plot 2:** 1 GHz to 12.75 GHz, vertical polarization



Plot 3: 1 GHz to 12.75 GHz, horizontal polarization



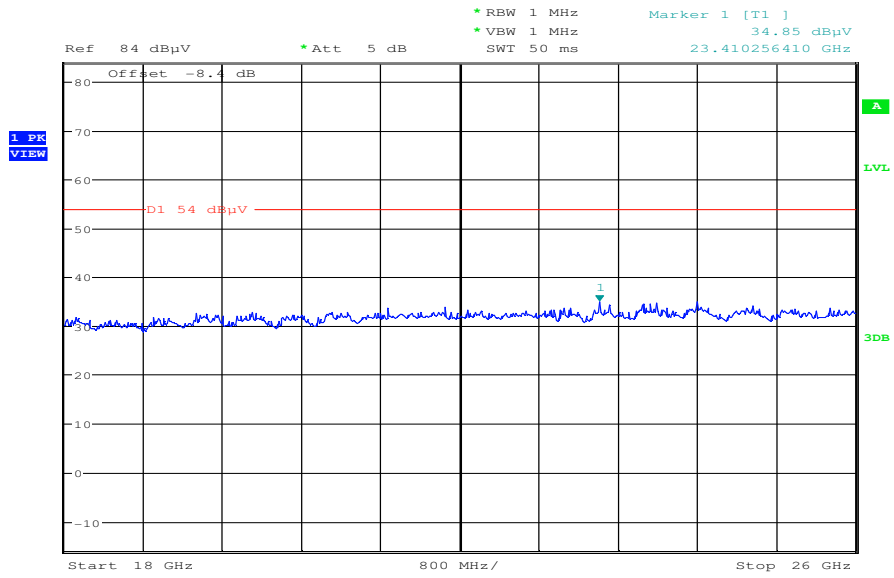
Plot 4: 12.75 GHz to 18 GHz, vertical & horizontal polarization



Date: 23.FEB.2012 11:45:14



Plot 5: 18 GHz to 26 GHz, vertical & horizontal polarization



Date: 23.FEB.2012 11:47:26

## 9.12 TX spurious emissions radiated < 30 MHz

### Description:

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

### Measurement:

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

### Limits:

FCC		IC	
CFR Part 15.209(a)		RSS –Gen	
TX Spurious Emissions Radiated < 30 MHz			
Frequency (MHz)	Field Strength (dBμV/m)	Measurement distance	
0.009 – 0.490	2400/F(kHz)	300	
0.490 – 1.705	24000/F(kHz)	30	
1.705 – 30.0	30	30	

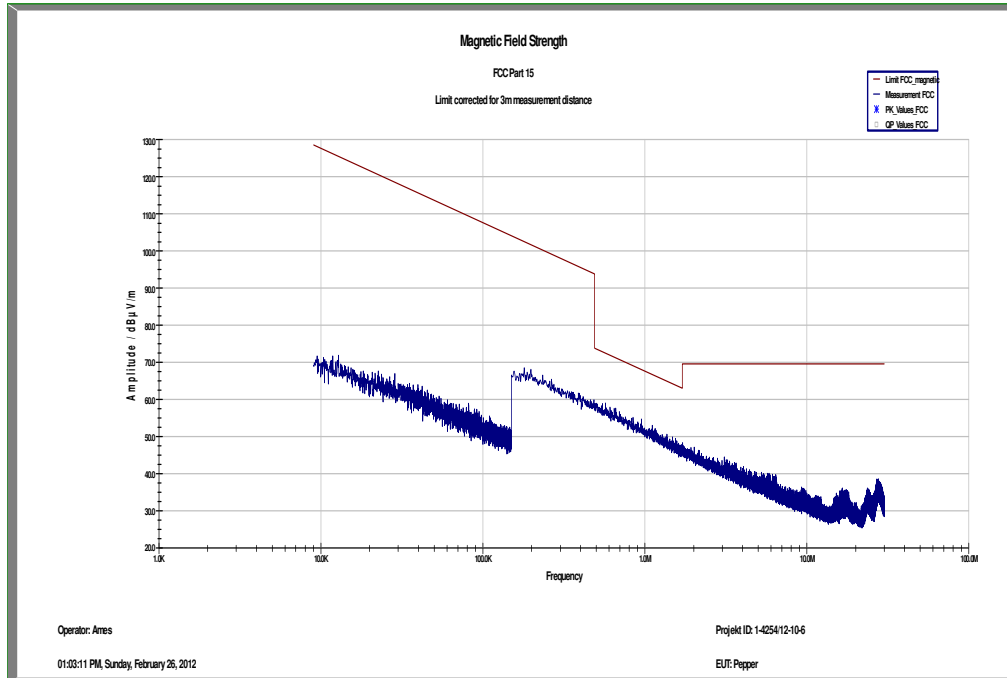
### Results:

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

**Result:** The result of the measurement is passed.

**Plots: TX mode / RX / Idle – mode (example / valid for all technologies)**

**Plot 1:**



### 9.13 TX spurious emissions conducted < 30 MHz

**Description:**

Measurement of the conducted spurious emissions in transmit mode below 30 MHz. The EUT is set to channel 6. This measurement is repeated for DSSS and OFDM modulation. If critical peaks are found channel 1 and channel 11 will be measured too. The measurement is performed with the data rate producing the highest output power. 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: 200 Hz F > 150 kHz: 9 kHz
Resolution bandwidth:	F < 150 kHz: 1 kHz F > 150 kHz: 100 kHz
Span:	9 kHz to 30 MHz
Trace-Mode:	Max Hold

**Limits:**

FCC		IC	
CFR Part 15.107(a)		ICES-003, Issue 4	
TX 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

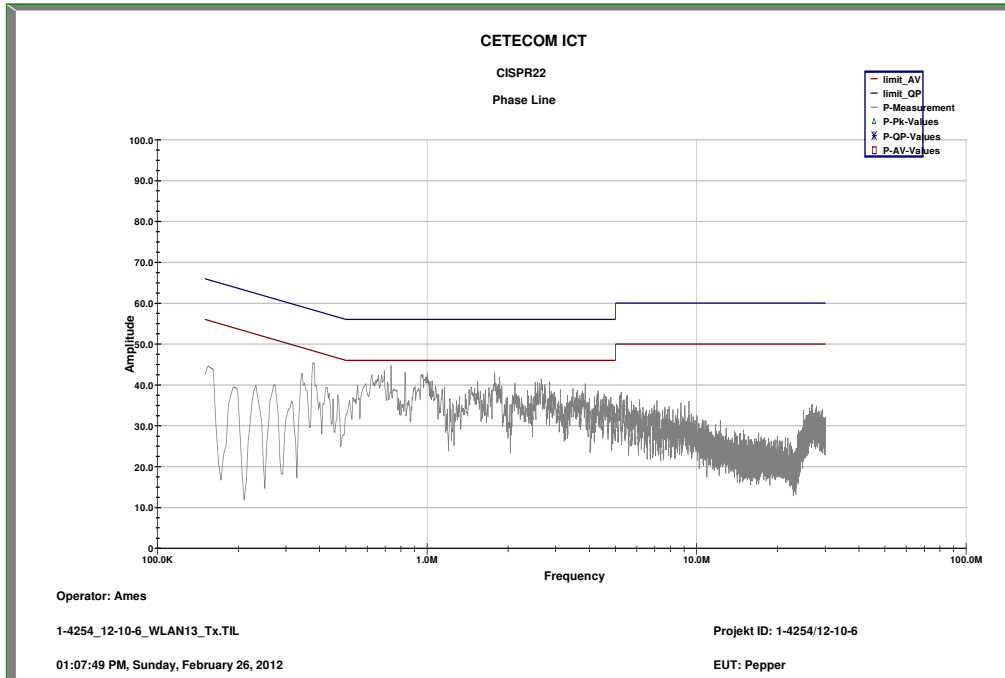
**Results:**

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

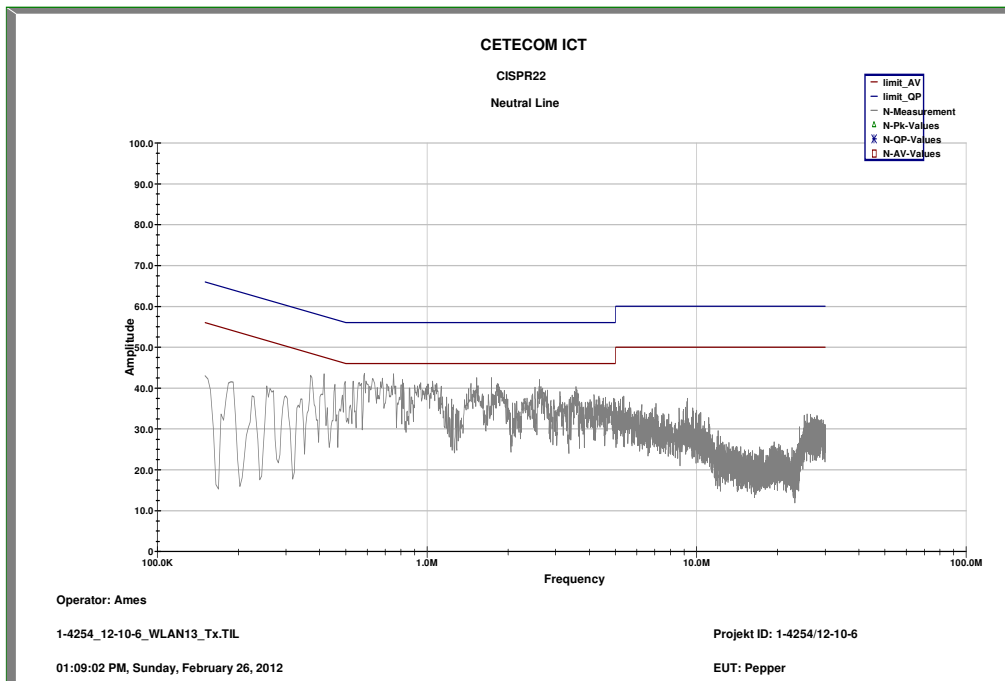
**Result:** The result of the measurement is passed.

**Plots:**

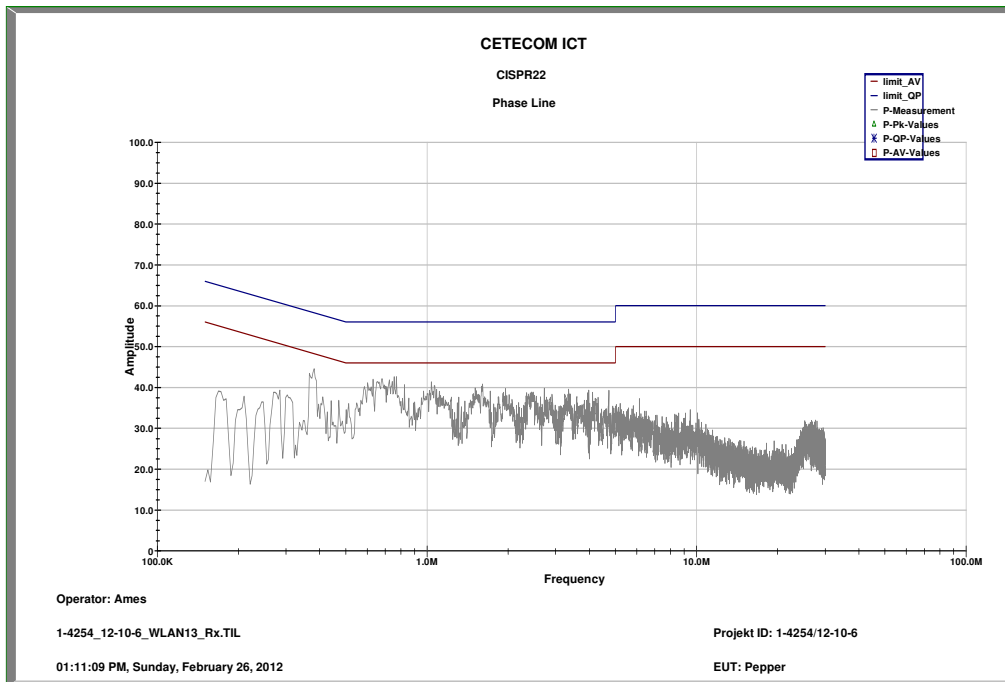
**Plot 1:** TX mode, 9 kHz to 30 MHz, phase line (example plot / valid for all technologies)



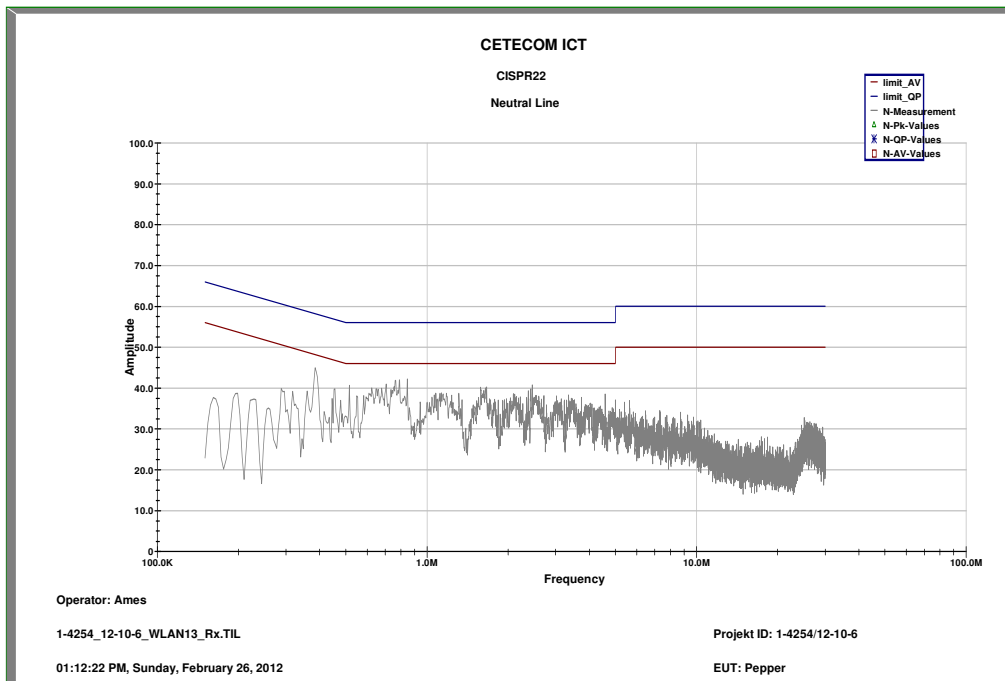
**Plot 2:** TX mode, 9 kHz to 30 MHz, neutral line (example plot / valid for all technologies)



**Plot 3: RX / Idle – mode, 9 kHz to 30 MHz, phase line**



**Plot 4: RX / Idle – mode, 9 kHz to 30 MHz, neutral line**



## 10 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
1	45	Switch-Unit	3488A	HP Meßtechnik	2719A14505	300000368	g		
2	50	DC power supply, 60Vdc, 50A, 1200 W	6032A	HP Meßtechnik	2920A04466	300000580	ne		
3	n. a.	software	SPS_PHE 1.4f	Spitzberger & Spieß	B5981; 5D1081;B5979	300000210	ne		
4	n. a.	EMI Test Receiver	ESCI 1166.5950.03	R&S	100083	300003312	k	05.01.2011	05.01.2013
5	n. a.	Analyzer-Reference-System (Harmonics and Flicker)	ARS 16/1	SPS	A3509 07/0 0205	300003314	k	14.07.2011	14.07.2013
6	n. a.	Amplifier	JS42-00502650-28-5A	MITEQ	1084532	300003379	ev		
7	n. a.	Antenna Tower	Model 2175	ETS-LINDGREN	64762	300003745	izw		
8	n. a.	Positioning Controller	Model 2090	ETS-LINDGREN	64672	300003746	izw		
9	n. a.	Turntable Interface-Box	Model 105637	ETS-LINDGREN	44583	300003747	izw		
10	n. a.	TRILOG Broadband Test-Antenna 30 MHz - 3 GHz	VULB9163	Schwarzbeck	295	300003787	k	01.04.2010	01.04.2012
11	n. a.	Spectrum-Analyzer	FSU26	R&S	200809	300003874	k	10.01.2011	10.01.2013
12	n. a.	Isolating Transformer	RT5A	Grundig	8041	300001626	g		
13	n. a.	Double-Ridged Waveguide Horn Antenna 1-18.0GHz	3115	EMCO	8812-3088	300001032	viKI!	11.05.2011	11.05.2013
14	n. a.	Active Loop Antenna	6502	EMCO	2210	300001015	ne		
15	n. a.	Anechoic chamber	FAC 3/5m	MWB / TDK	87400/02	300000996		23.03.2009	
16	n. a.	Relais Matrix	3488A	HP Meßtechnik	2719A15013	300001156	ne		
17	n. a.	Relais Matrix	PSU	R&S	890167/024	300001168	ne		
18	n. a.	Isolating Transformer	RT5A	Grundig	9242	300001263	ne		
19	n. a.	Three-Way Power Splitter, 50 Ohm	11850C	HP Meßtechnik		300000997	ne		
20	n. a.	Switch / Control Unit	3488A	HP	2605e08770	300001443	ne		
21	n. a.	Amplifier	js42-00502650-28-5a	Parzich GMBH	928979	300003143	ne		
22	n. a.	Band Reject filter	WRCG2400/2483-2375/2505-50/10SS	Wainwright	11	300003351	ev		
23	n. a.	TILE-Software Emission	Quantum Change, Modell TILE-ICS/FULL	EMCO	none	300003451	ne		
24	n. a.	PSA Spectrum Analyzer 3 Hz - 26.5 GHz	E4440A	Agilent Technologies	MY48250080	300003812	k	08.09.2010	08.09.2012
25	n. a.	RF Filter Section 9kHz - 1GHz	N9039A	Agilent Technologies	MY48260003	300003825	viKI!	08.09.2010	08.09.2012
26	n. a.	TRILOG Broadband Test-Antenna 30 MHz -	VULB9163	Schwarzbeck	371	300003854	viKI!	14.10.2011	14.10.2014

		3 GHz							
27	n. a.	Netzgerät	E3634A	Agilent Technologies	MY40011505	300003742	k	10.02.2012	10.02.2014
28	n. a.	Spectrumanalyzer	FSV30	R&S	100763	300003950	k	09.01.2012	09.01.2013
29	A026	Std. Gain Horn Antenna 12.4 to 18.0 GHz	639	Narda		300000787	ne		
30	A029	Std. Gain Horn Antenna 18.0 to 26.5 GHz	638	Narda		300002442	ne		
31	11b	Microwave System Amplifier, 0.5-26.5 GHz	83017A	HP Meßtechnik	00419	300002268	ev	10.03.2011	

**Agenda:** Kind of Calibration

- |      |  |     |  |
|------|--|-----|--|
| k    | calibration / calibrated                   | EK  | limited calibration                                  |
| ne   | not required (k, ev, izw, zw not required) | zw  | cyclical maintenance (external cyclical maintenance) |
| ev   | periodic self verification                 | izw | internal cyclical maintenance                        |
| Ve   | long-term stability recognized             | g   | blocked for accredited testing                       |
| vkI! | Attention: extended calibration interval   | *)  | next calibration ordered / currently in progress     |
| NK!  | Attention: not calibrated                  |     |  |

## 11 Observations

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