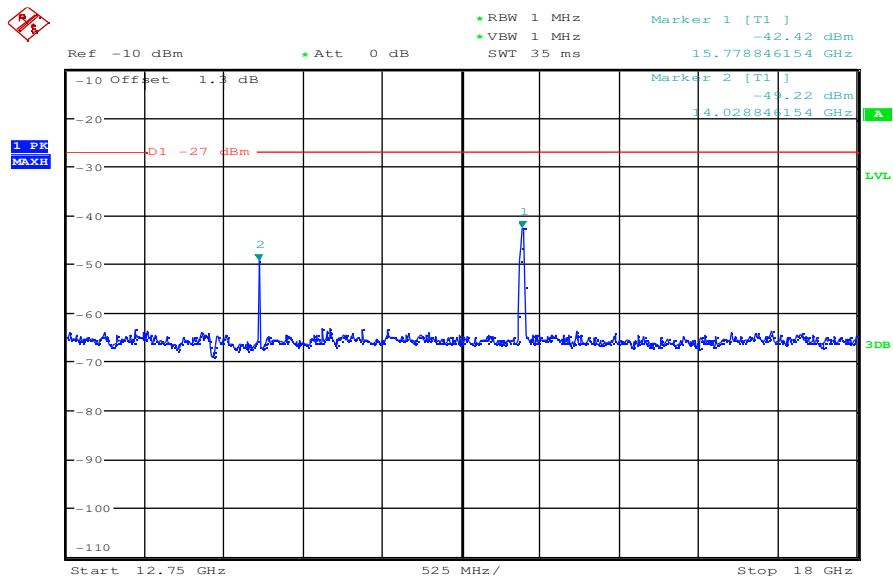
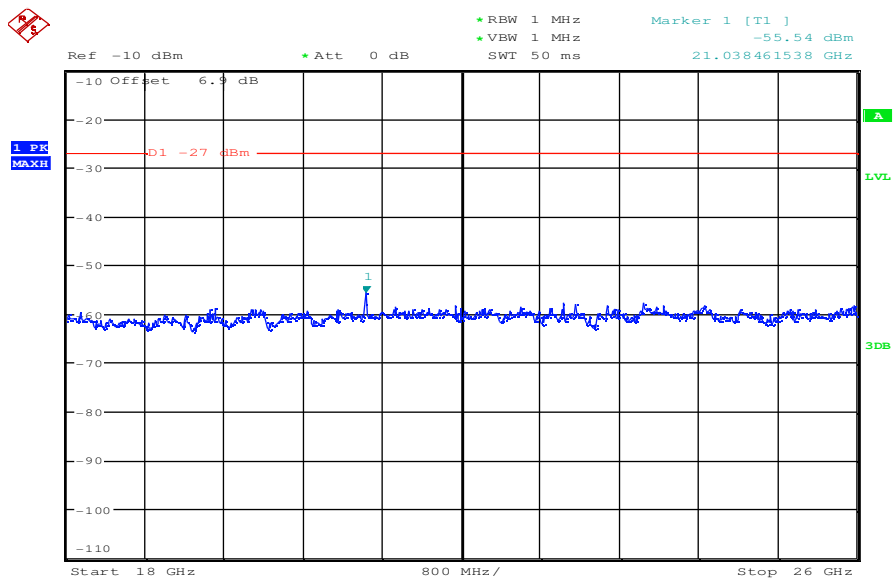


**Plot 9:** lowest channel; power index 21; 12.75 GHz to 18 GHz – vertical & horizontal polarization, Part 15.407



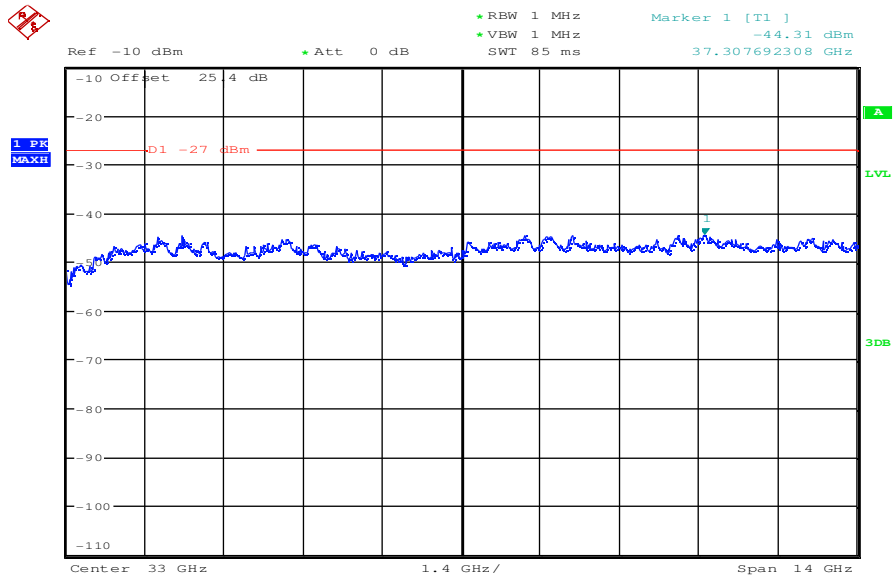
Date: 14.DEC.2010 07:37:44

**Plot 10:** lowest channel; power index 21; 18 GHz to 26 GHz – vertical & horizontal polarization, Part 15.407



Date: 14.DEC.2010 08:03:02

Plot 11: lowest channel; power index 21; 26 GHz to 40 GHz – vertical & horizontal polarization, Part 15.407



Date: 14.DEC.2010 08:46:02

**Plot 12:** middle channel; power index 21; 30 MHz to 1 GHz – vertical & horizontal polarization, Part 15.209

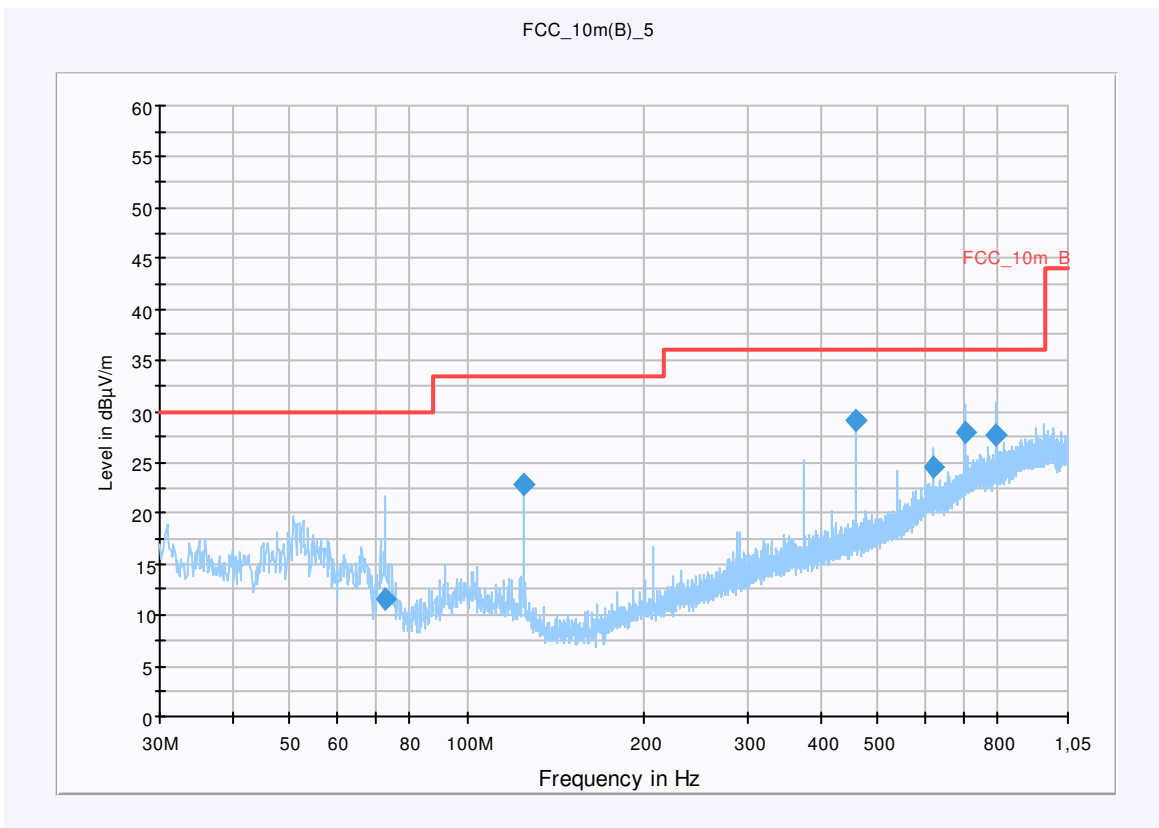
**Common Information**

EUT: i.MX51  
 Serial Number: Proto  
 Test Description: FCC part 15  
 Operating Conditions: Tx, 5280 MHz, CH 56, mcs 7, n mode, power index 21  
 Operator Name: Merten  
 Comment: DC powered via development board

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

Hardware Setup: Electric Field (NOS)  
 Level Unit: dBµV/m

**Subrange**                      **Detectors**                      **IF Bandwidth**                      **Meas. Time**                      **Receiver**  
 30 MHz - 1,05 GHz              QuasiPeak                      120 kHz                      15 s                      Receiver



**Final Result 1**

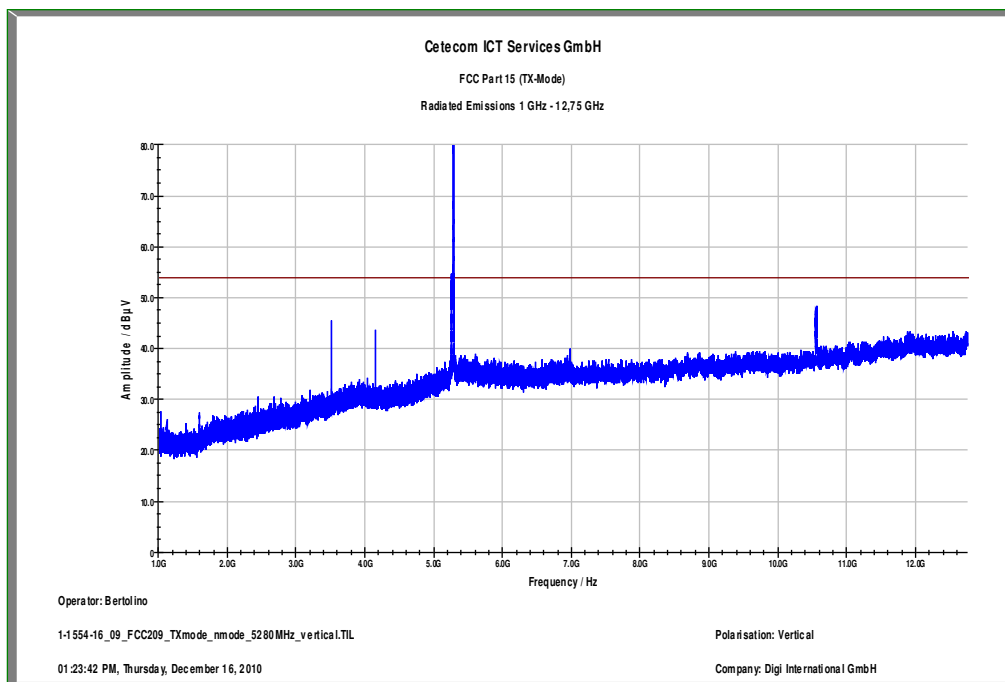
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height (cm)	Polarity	Turntable position (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
72.720000	11.6	15000.000	120.000	245.0	V	359.0	9.2	18.4	30.0	
124.680000	22.8	15000.000	120.000	98.0	V	229.0	9.8	10.7	33.5	
457.200000	29.1	15000.000	120.000	200.0	H	161.0	17.8	6.9	36.0	
623.400000	24.7	15000.000	120.000	183.0	H	45.0	20.9	11.3	36.0	
706.440000	27.9	15000.000	120.000	110.0	H	161.0	22.7	8.1	36.0	
789.600000	27.7	15000.000	120.000	106.0	H	73.0	23.8	8.3	36.0	

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

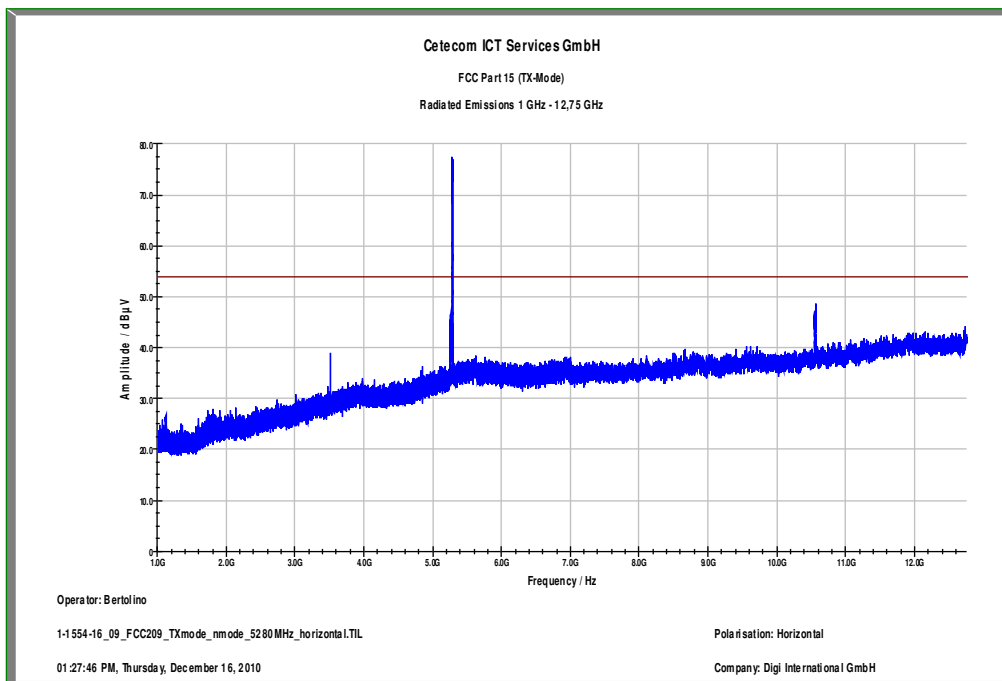
Subrange 1	
Frequency Range:	30 MHz - 2 GHz
Receiver:	Receiver [ESCI 3] @ GPIB0 (ADR 20), SN 100083/003, FW 4.32
Signal Path:	without Notch FW 1.0
Antenna:	VULB 9163 SN 9163-295, FW --- Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table: Cable_EN_1GHz (0909)
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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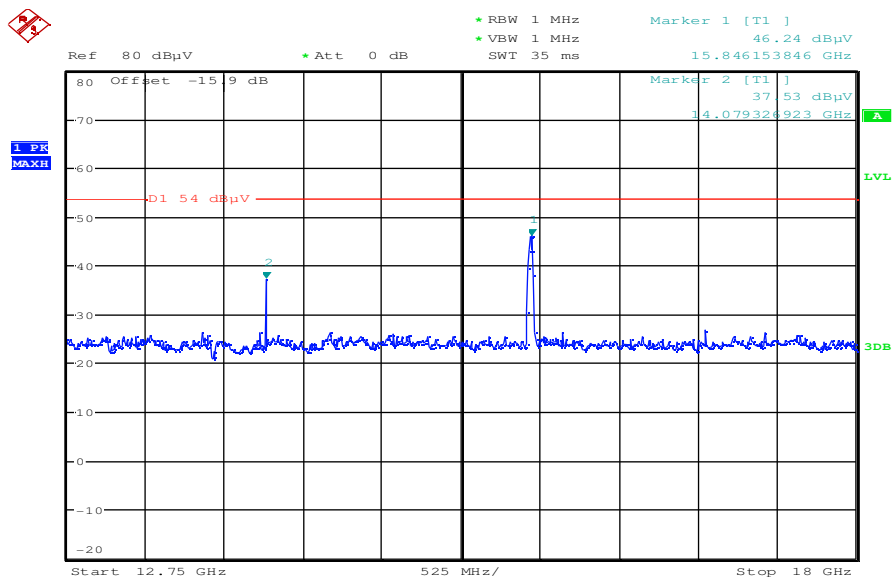
**Plot 13:** middle channel; power index 21; 1 GHz to 12.75 GHz – vertical polarization, Part 15.209



Plot 14: middle channel; power index 21; 1 GHz to 12.75 GHz – horizontal polarization, Part 15.209

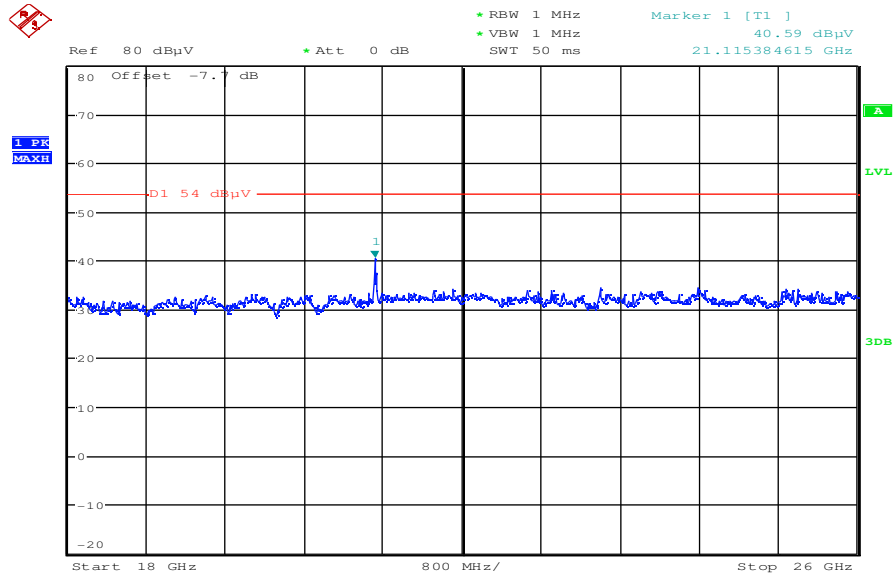


Plot 15: middle channel; power index 21; 12.75 GHz to 18 GHz – vertical & horizontal polarization, Part 15.209



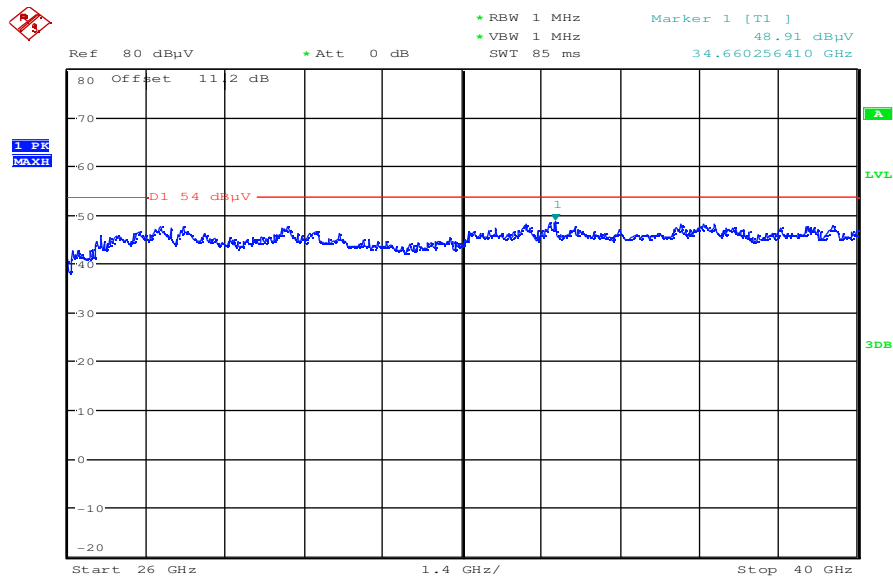
Date: 14.DEC.2010 10:25:01

Plot 16: middle channel; power index 21; 18 GHz to 26 GHz – vertical & horizontal polarization, Part 15.209



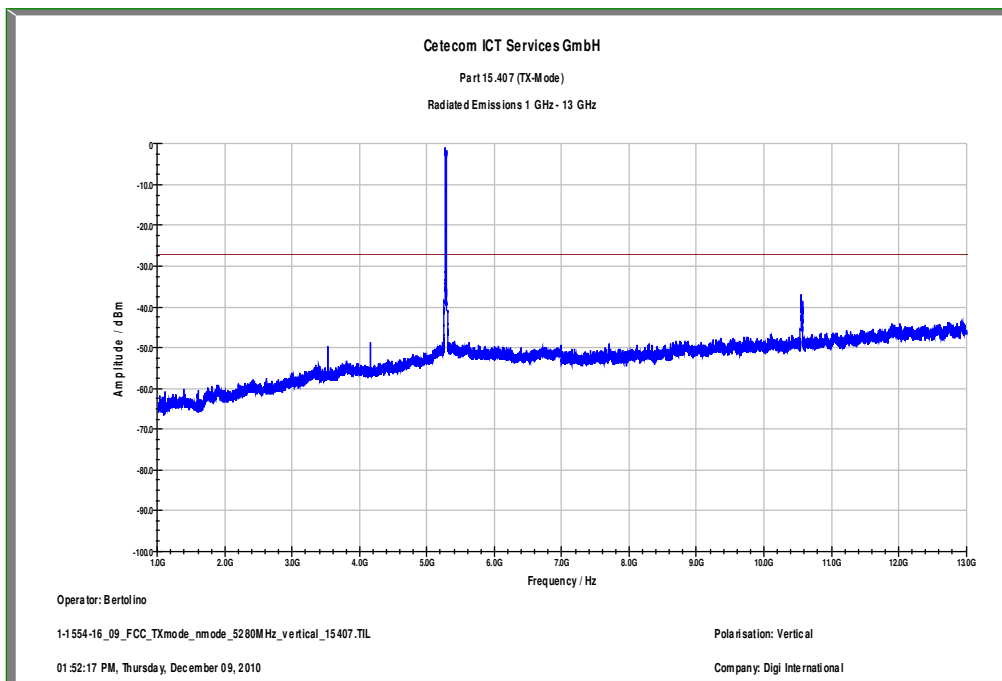
Date: 14.DEC.2010 10:59:27

Plot 17: middle channel; power index 21; 26 GHz to 40 GHz – vertical & horizontal polarization, Part 15.209

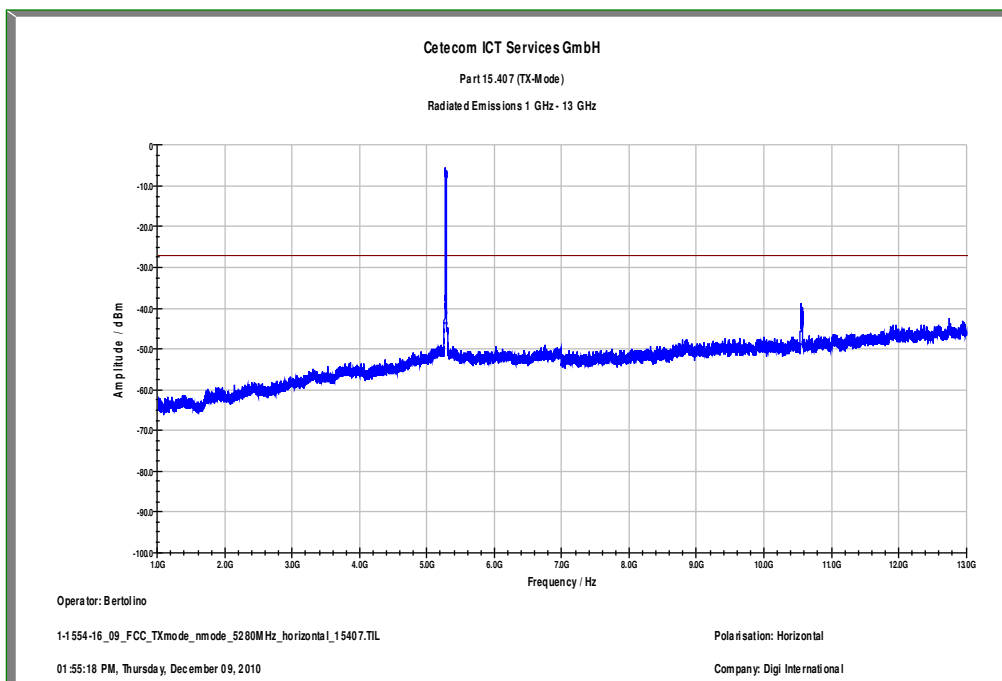


Date: 14.DEC.2010 11:15:11

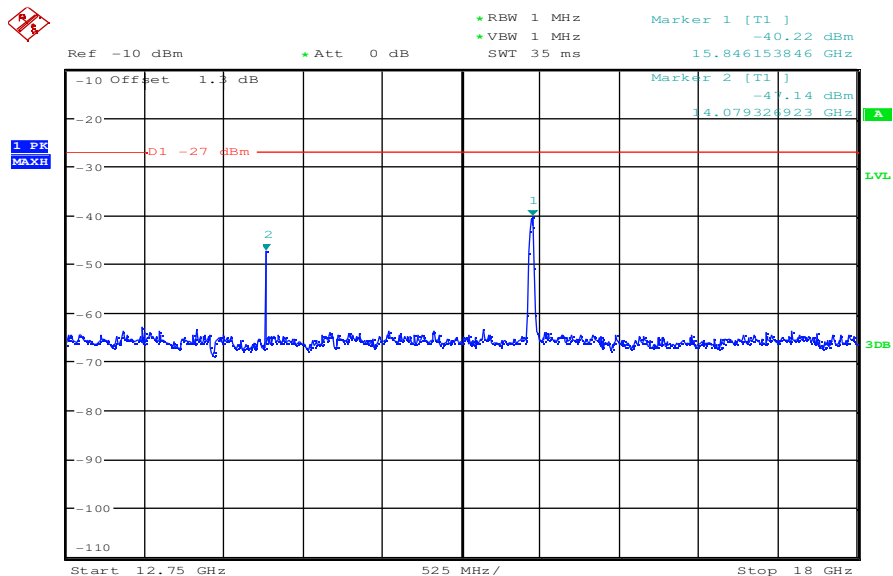
**Plot 18:** middle channel; power index 21; 1 GHz to 13 GHz – vertical polarization, Part 15.407



**Plot 19:** middle channel; power index 21; 1 GHz to 13 GHz – horizontal polarization, Part 15.407

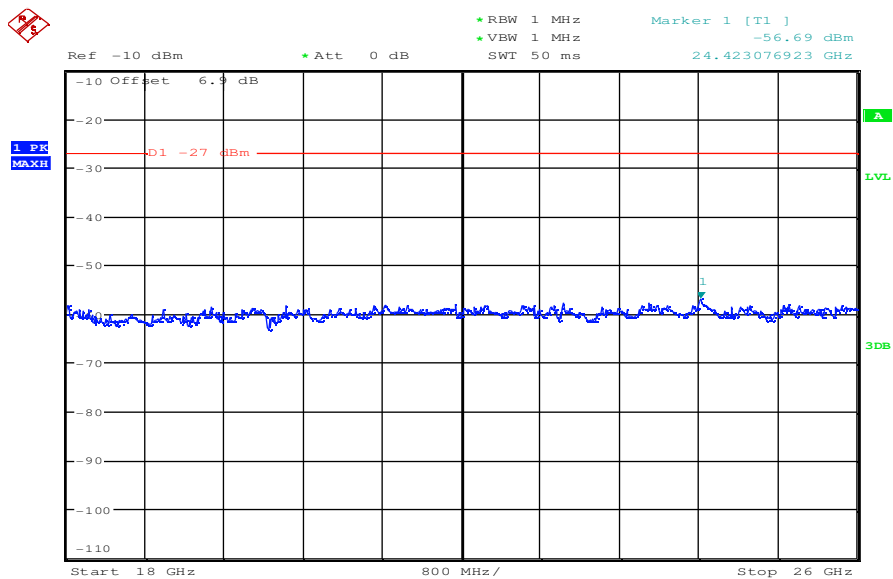


**Plot 20:** middle channel; power index 21; 12.75 GHz to 18 GHz – vertical & horizontal polarization, Part 15.407



Date: 14.DEC.2010 07:38:30

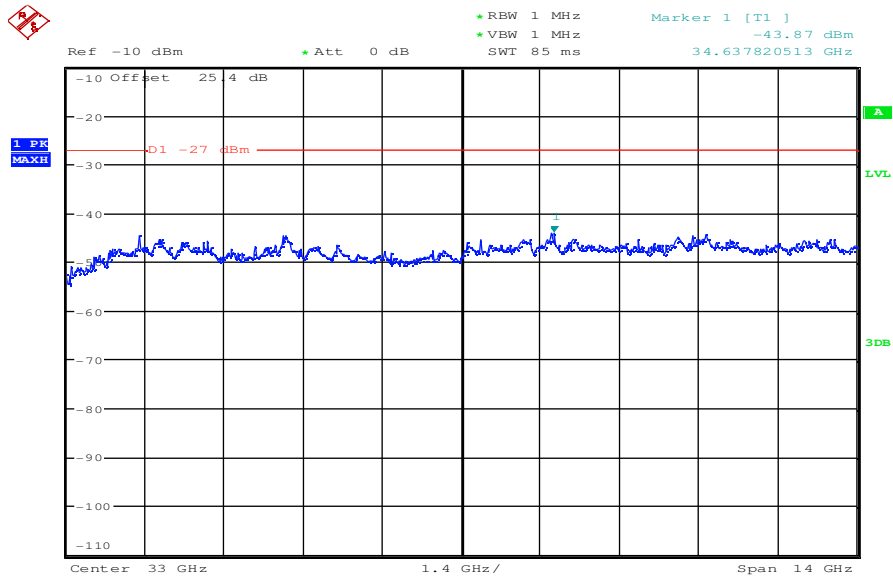
**Plot 21:** middle channel; power index 21; 18 GHz to 26 GHz – vertical & horizontal polarization, Part 15.407



Date: 14.DEC.2010 08:04:33



Plot 22: middle channel; power index 21; 26 GHz to 40 GHz – vertical & horizontal polarization, Part 15.407



Date: 14.DEC.2010 08:46:49

**Plot 23:** highest channel; power index 21; 30 MHz to 1 GHz – vertical & horizontal polarization, Part 15.209

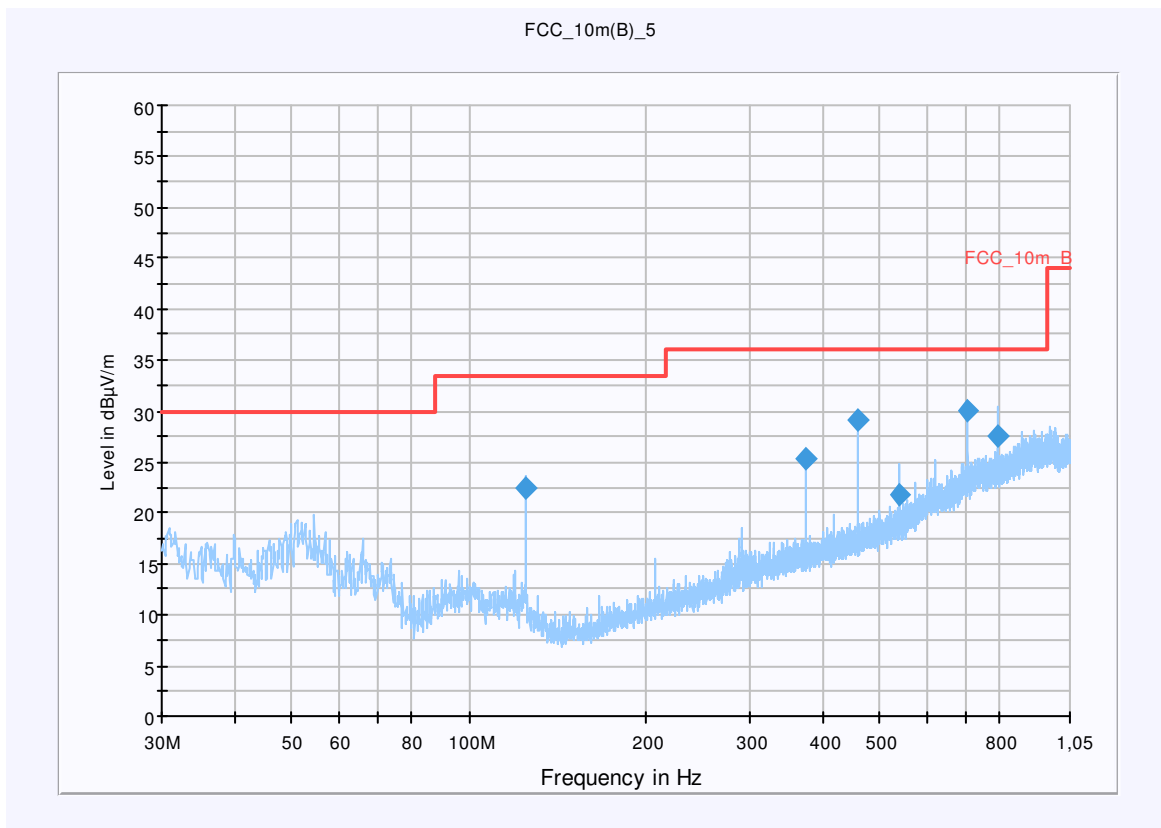
**Common Information**

EUT: i.MX51  
 Serial Number: Proto  
 Test Description: FCC part 15  
 Operating Conditions: Tx, 5320 MHz, CH 64, mcs 7, n mode, power index 21  
 Operator Name: Merten  
 Comment: DC powered via development board

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

Hardware Setup: Electric Field (NOS)  
 Level Unit: dBµV/m

**Subrange**                      **Detectors**                      **IF Bandwidth**                      **Meas. Time**                      **Receiver**  
 30 MHz - 1,05 GHz              QuasiPeak                      120 kHz                      15 s                      Receiver



**Final Result 1**

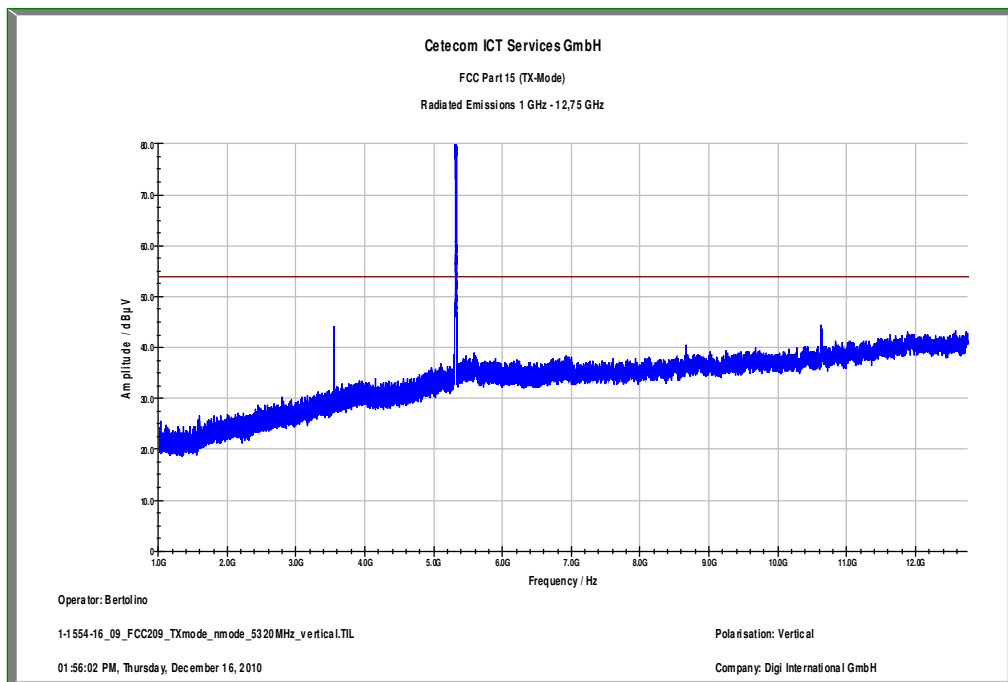
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height (cm)	Polarity	Turntable position (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
124.680000	22.5	15000.000	120.000	120.0	V	210.0	9.8	11.0	33.5	
374.040000	25.3	15000.000	120.000	211.0	H	172.0	16.5	10.7	36.0	
457.200000	29.0	15000.000	120.000	212.0	H	172.0	17.8	7.0	36.0	
540.240000	21.9	15000.000	120.000	142.0	H	172.0	19.2	14.1	36.0	
706.560000	30.1	15000.000	120.000	110.0	H	159.0	22.7	5.9	36.0	
789.720000	27.5	15000.000	120.000	106.0	H	-2.0	23.8	8.5	36.0	

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

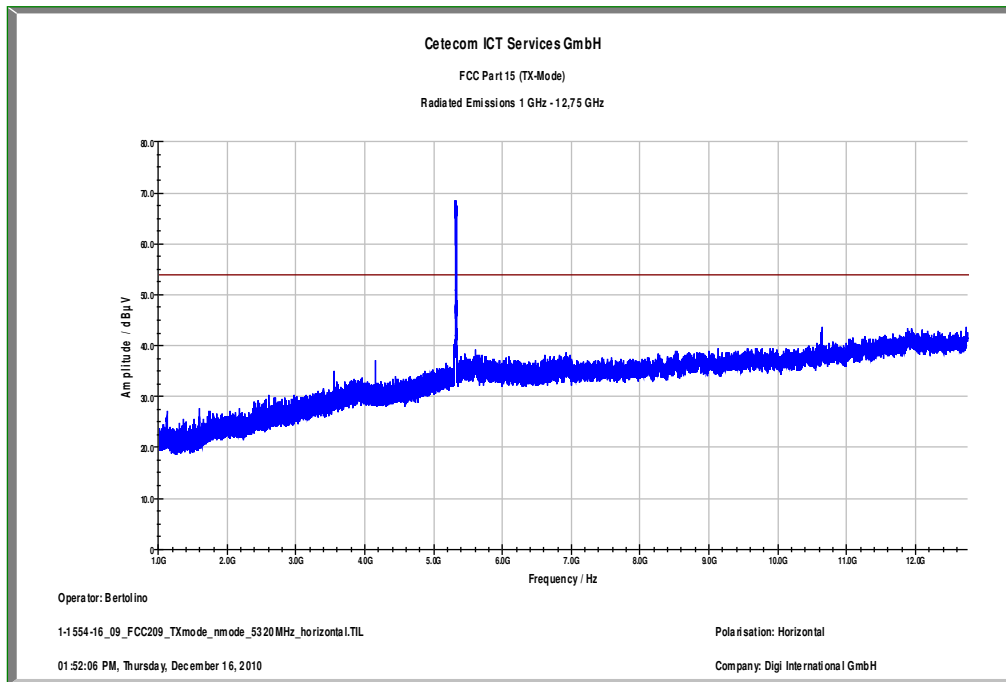
Subrange 1	
Frequency Range:	30 MHz - 2 GHz
Receiver:	Receiver [ESCI 3] @ GPIB0 (ADR 20), SN 100083/003, FW 4.32
Signal Path:	without Notch FW 1.0
Antenna:	VULB 9163 SN 9163-295, FW --- Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table: Cable_EN_1GHz (0909)
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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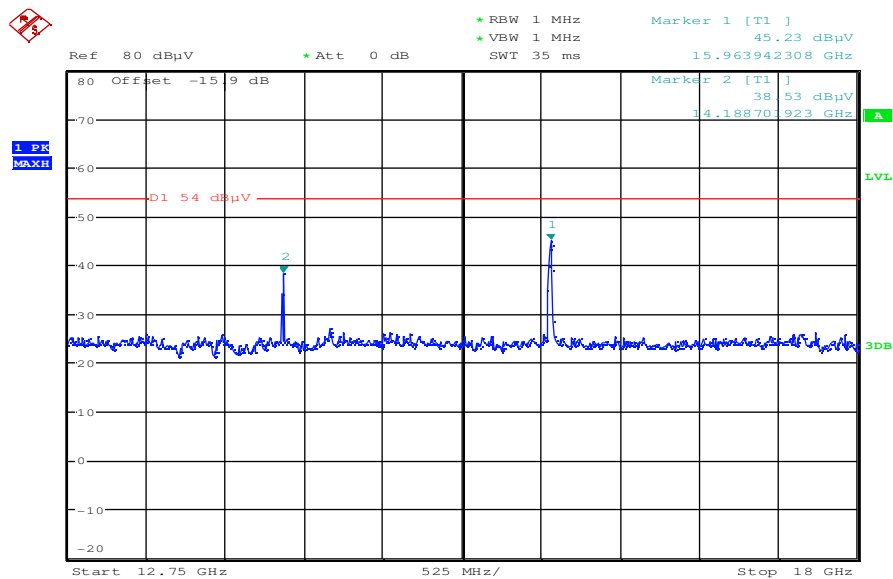
**Plot 24:** highest channel; power index 21; 1 GHz to 12.75 GHz – vertical polarization, Part 15.209



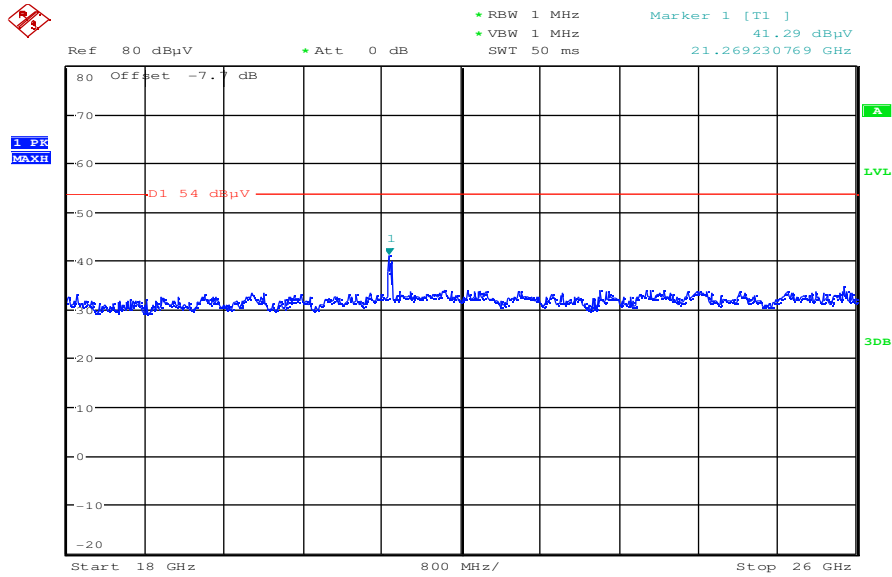
Plot 25: highest channel; power index 21; 1 GHz to 12.75 GHz – horizontal polarization, Part 15.209



Plot 26: highest channel; power index 21; 12.75 GHz to 18 GHz – vertical & horizontal polarization, Part 15.209

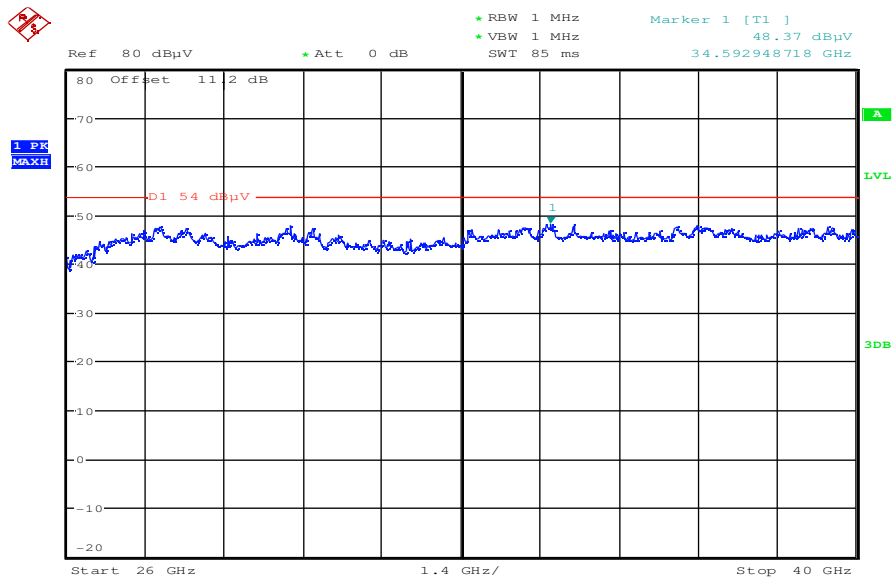


Plot 27: highest channel; power index 21; 18 GHz to 26 GHz – vertical & horizontal polarization, Part 15.209



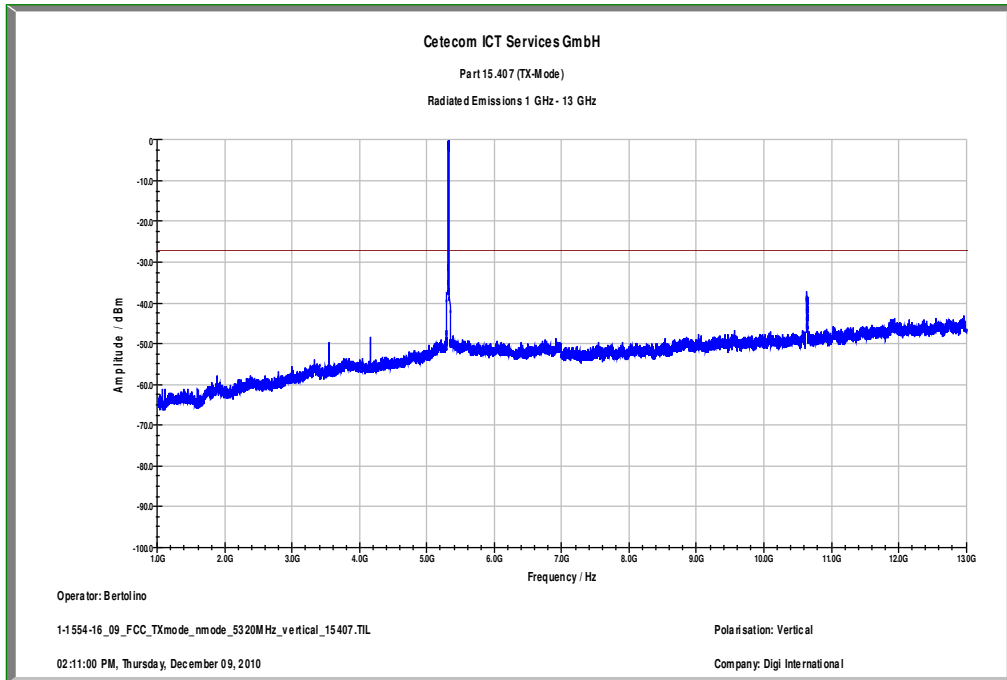
Date: 14.DEC.2010 10:58:54

Plot 28: highest channel; power index 21; 26 GHz to 40 GHz – vertical & horizontal polarization, Part 15.209

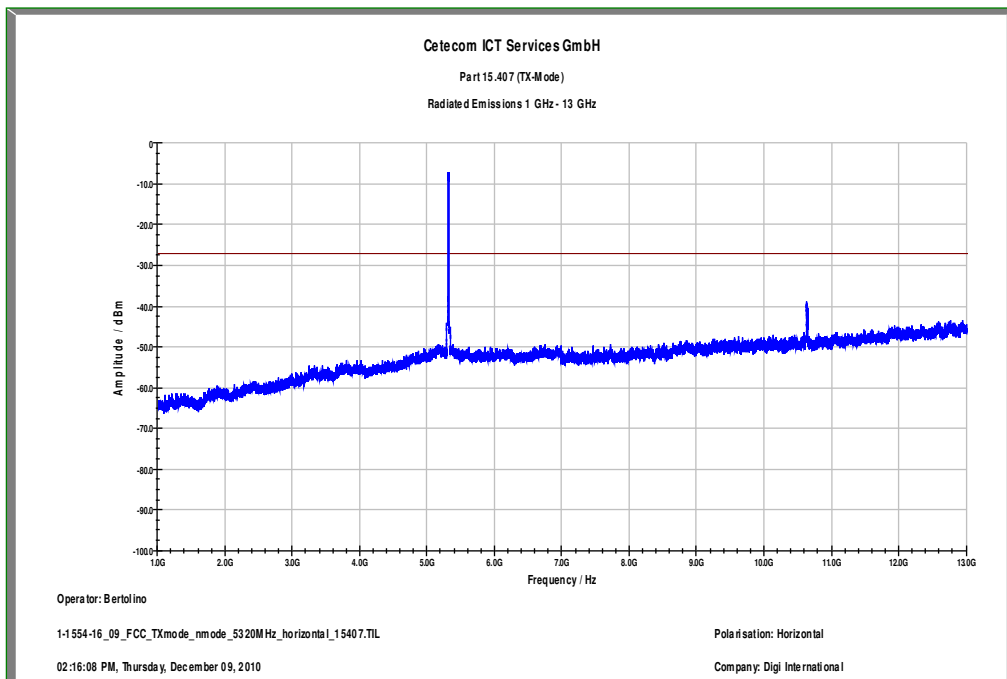


Date: 14.DEC.2010 11:15:49

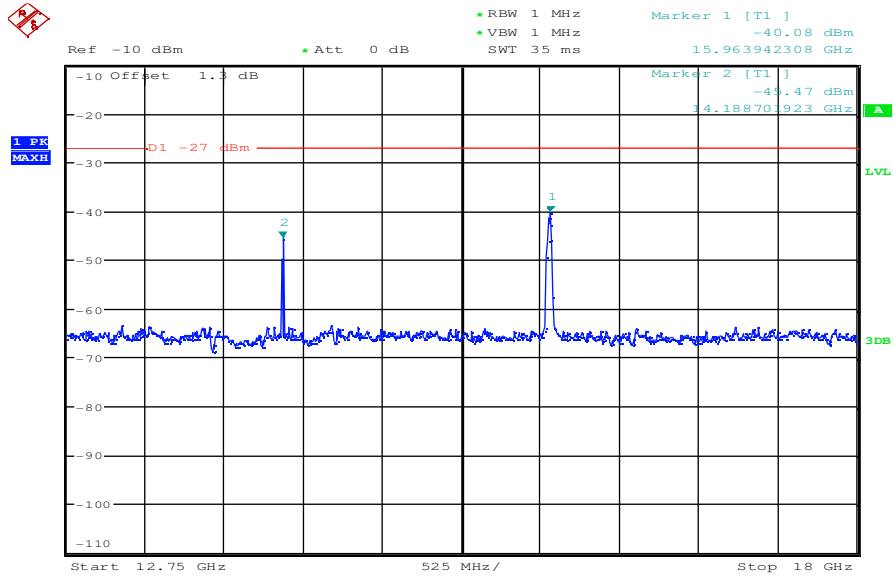
Plot 29: highest channel; power index 21; 1 GHz to 13 GHz – vertical polarization, Part 15.407



Plot 30: highest channel; power index 21; 1 GHz to 13 GHz – horizontal polarization, Part 15.407

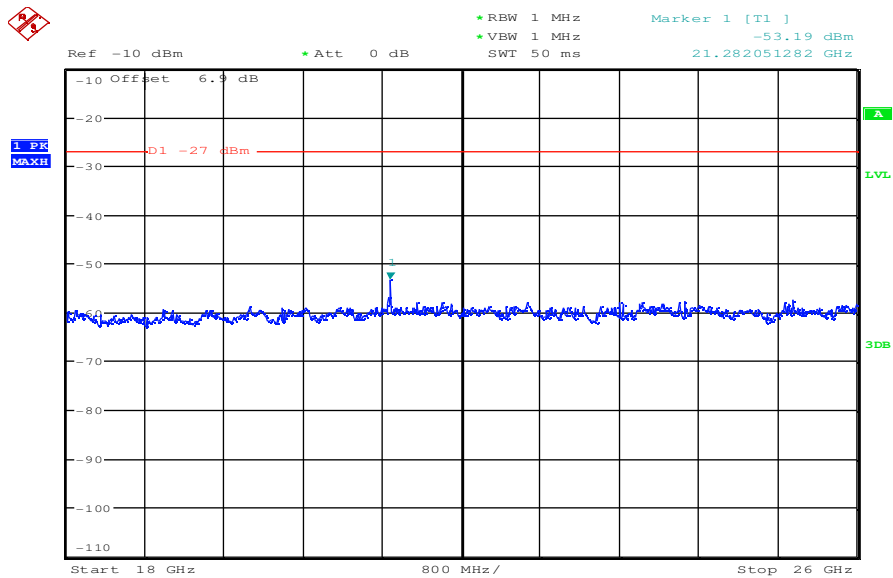


**Plot 31:** highest channel; power index 21; 12.75 GHz to 18 GHz – vertical & horizontal polarization, Part 15.407



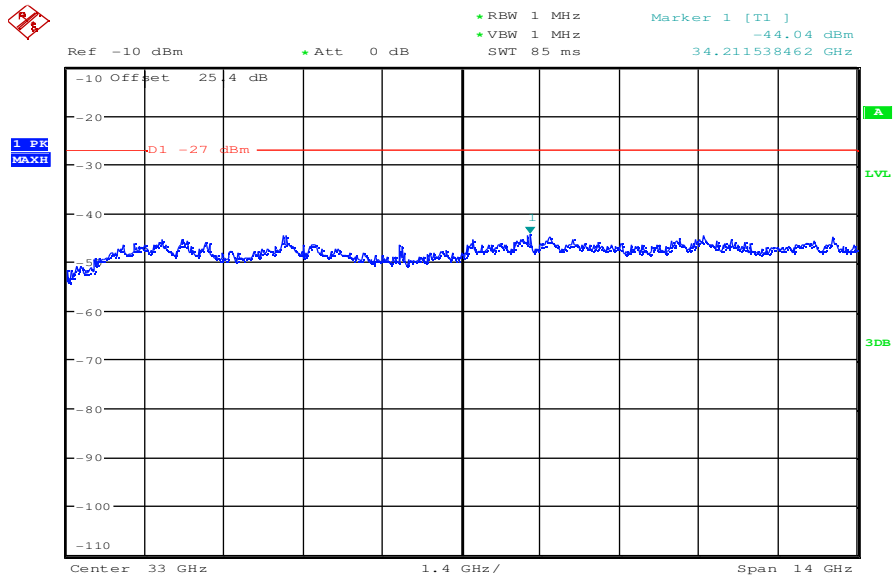
Date: 14.DEC.2010 07:39:22

**Plot 32:** highest channel; power index 21; 18 GHz to 26 GHz – vertical & horizontal polarization, Part 15.407



Date: 14.DEC.2010 08:05:25

Plot 33: highest channel; power index 21; 26 GHz to 40 GHz – vertical & horizontal polarization, Part 15.407



Date: 14.DEC.2010 08:47:30



**Band 1: 5470 MHz to 5725 MHz**

**OFDM – mode / a – mode (54 MBit/s):**

**Plot 1:** lowest channel; power index 26; 30 MHz to 1 GHz – vertical & horizontal polarization, Part 15.209

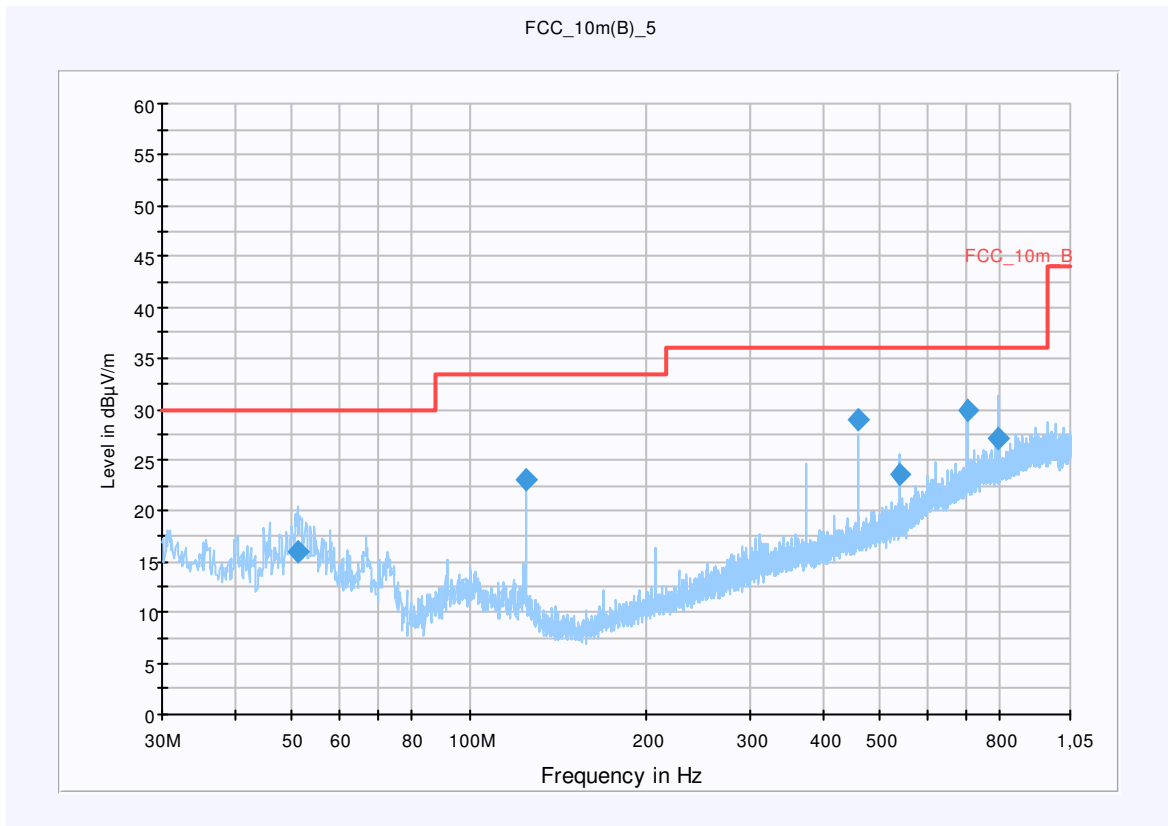
**Common Information**

EUT: i.MX51  
 Serial Number: Proto  
 Test Description: FCC part 15  
 Operating Conditions: Tx, 5500 MHz, CH 100, 54 Mbit/s, a mode, power index 26  
 Operator Name: Merten  
 Comment: DC powered via development board

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

Hardware Setup: Electric Field (NOS)  
 Level Unit: dBµV/m

**Subrange**                      **Detectors**                      **IF Bandwidth**                      **Meas. Time**                      **Receiver**  
 30 MHz - 1,05 GHz              QuasiPeak                      120 kHz                      15 s                      Receiver



**Final Result 1**

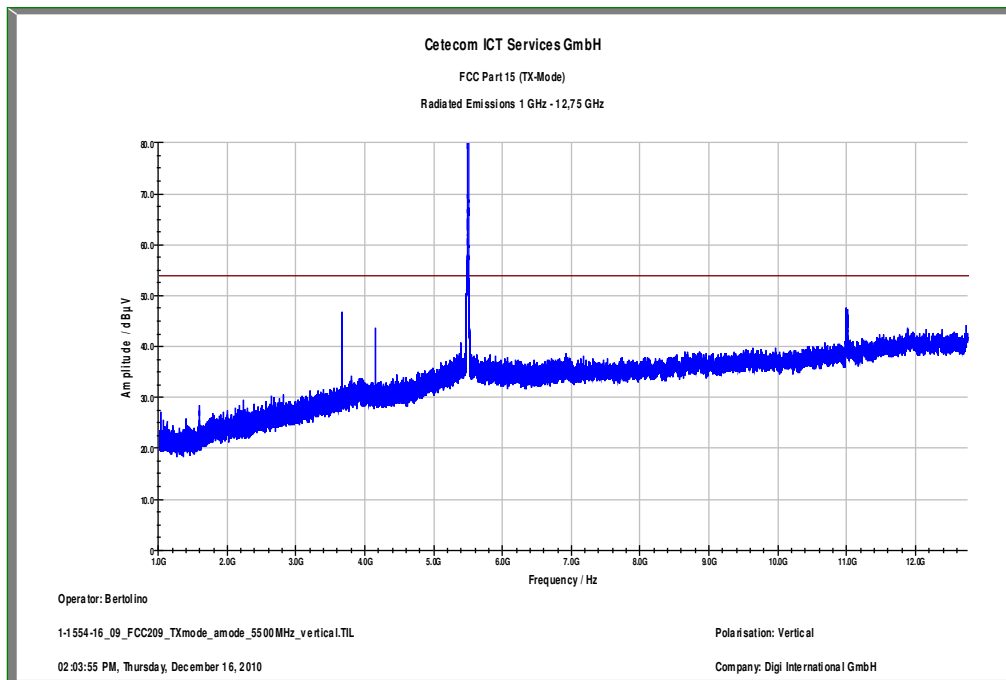
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height (cm)	Polarity	Turntable position (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
51.000000	16.0	15000.000	120.000	98.0	V	344.0	13.3	14.0	30.0	
124.680000	23.0	15000.000	120.000	98.0	V	211.0	9.8	10.5	33.5	
457.200000	28.8	15000.000	120.000	214.0	H	173.0	17.8	7.2	36.0	
540.240000	23.6	15000.000	120.000	192.0	H	151.0	19.2	12.4	36.0	
706.560000	30.0	15000.000	120.000	134.0	H	151.0	22.7	6.0	36.0	
789.600000	27.2	15000.000	120.000	120.0	H	17.0	23.8	8.8	36.0	

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

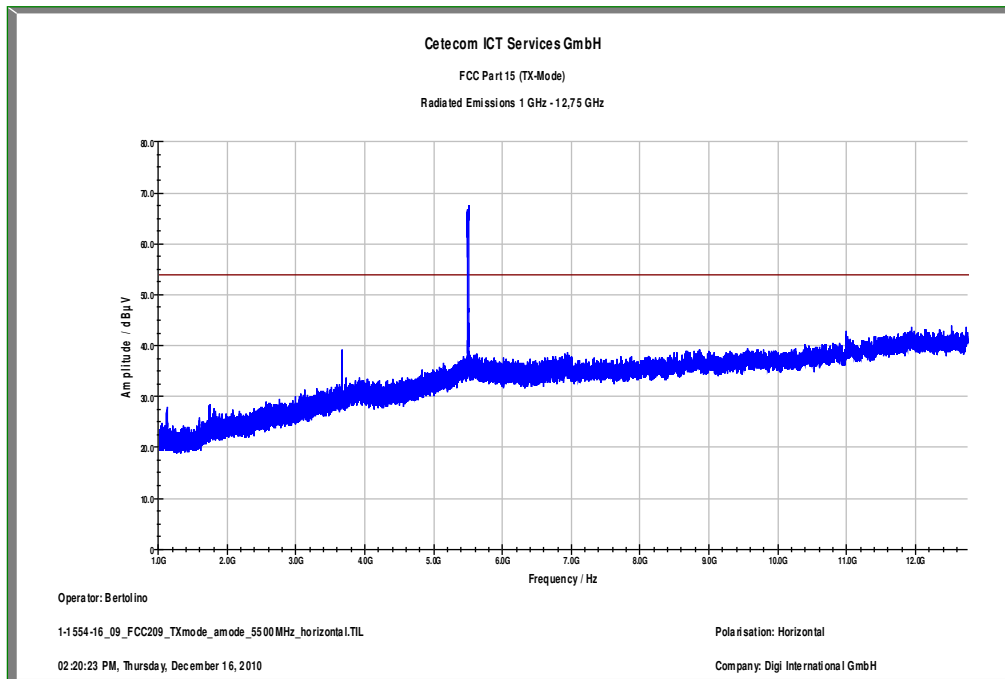
Subrange 1	
Frequency Range:	30 MHz - 2 GHz
Receiver:	Receiver [ESCI 3] @ GPIB0 (ADR 20), SN 100083/003, FW 4.32
Signal Path:	without Notch FW 1.0
Antenna:	VULB 9163 SN 9163-295, FW --- Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table: Cable_EN_1GHz (0909)
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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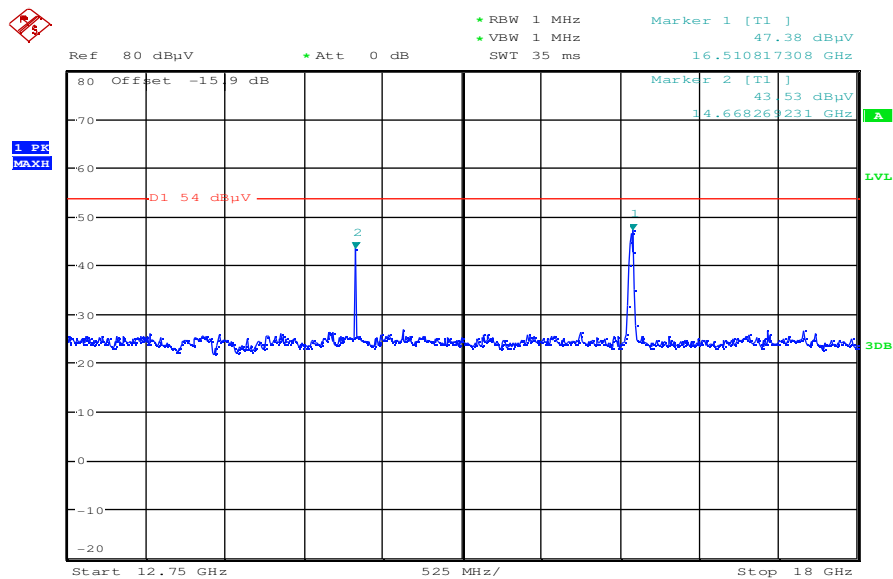
**Plot 2:** lowest channel; power index 26; 1 GHz to 12.75 GHz – vertical polarization, Part 15.209



**Plot 3:** lowest channel; power index 26; 1 GHz to 12.75 GHz – horizontal polarization, Part 15.209

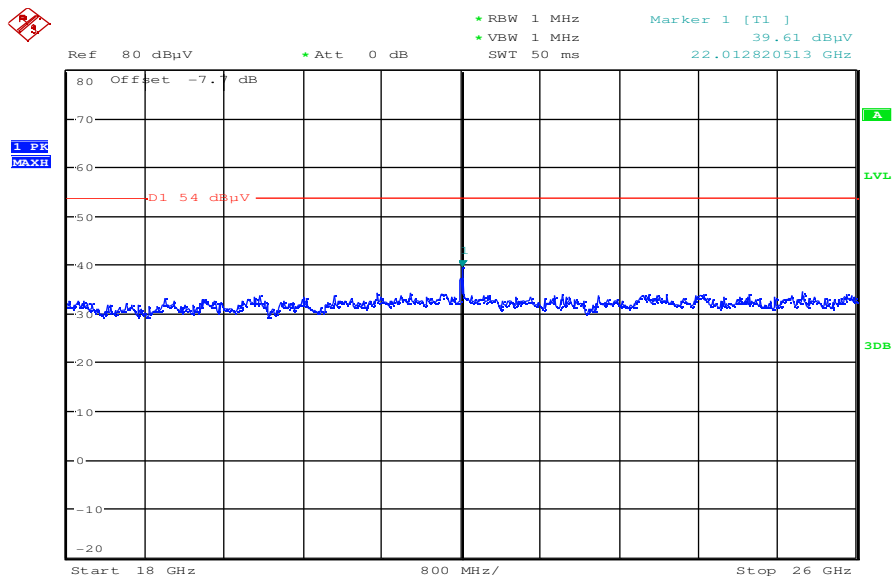


**Plot 4:** lowest channel; power index 26; 12.75 GHz to 18 GHz – vertical & horizontal polarization, Part 15.209



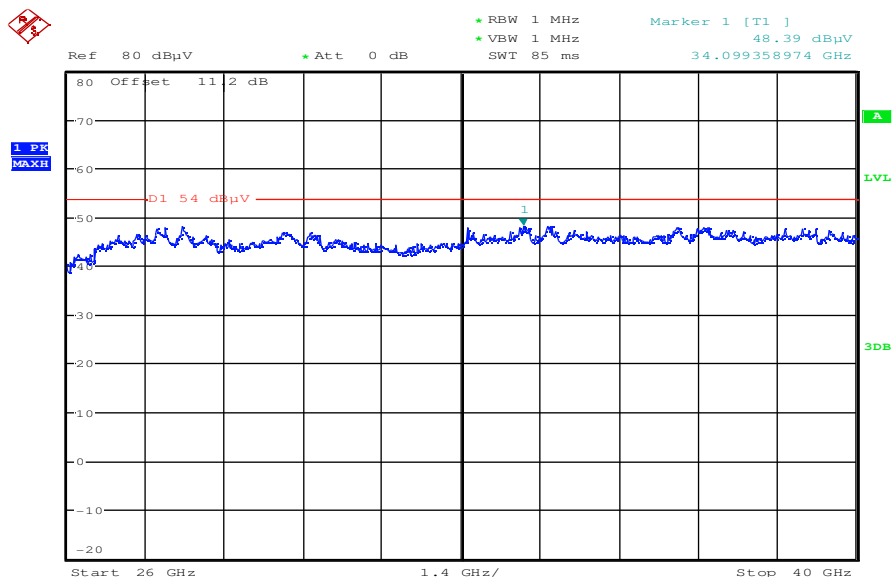
Date: 14.DEC.2010 10:16:52

**Plot 5:** lowest channel; power index 26; 18 GHz to 26 GHz – vertical & horizontal polarization, Part 15.209



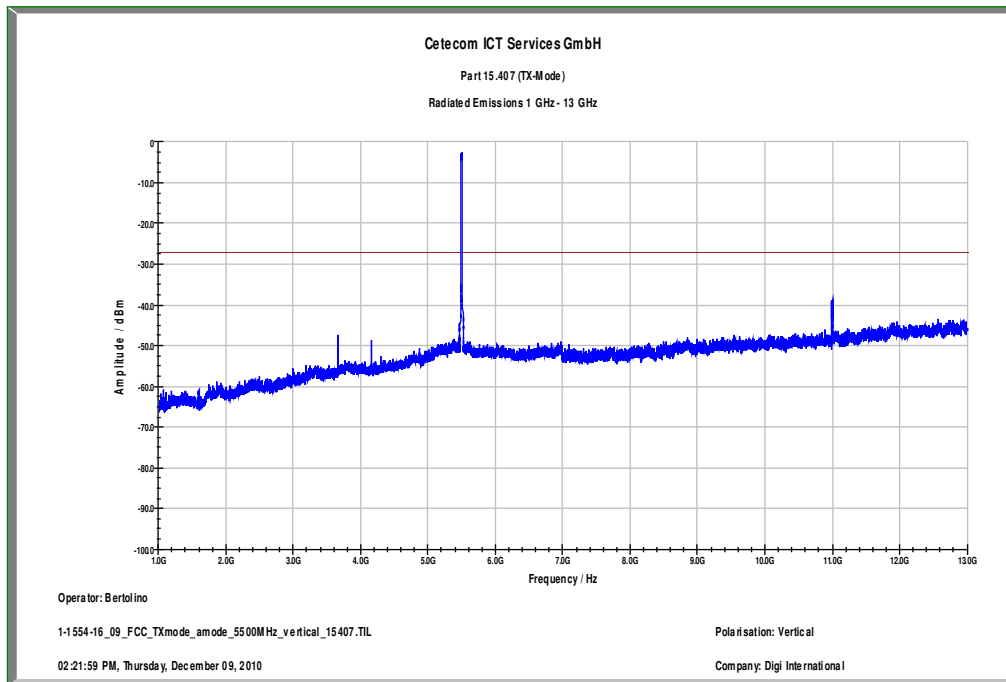
Date: 14.DEC.2010 10:52:39

**Plot 6:** lowest channel; power index 26; 26 GHz to 40 GHz – vertical & horizontal polarization, Part 15.209

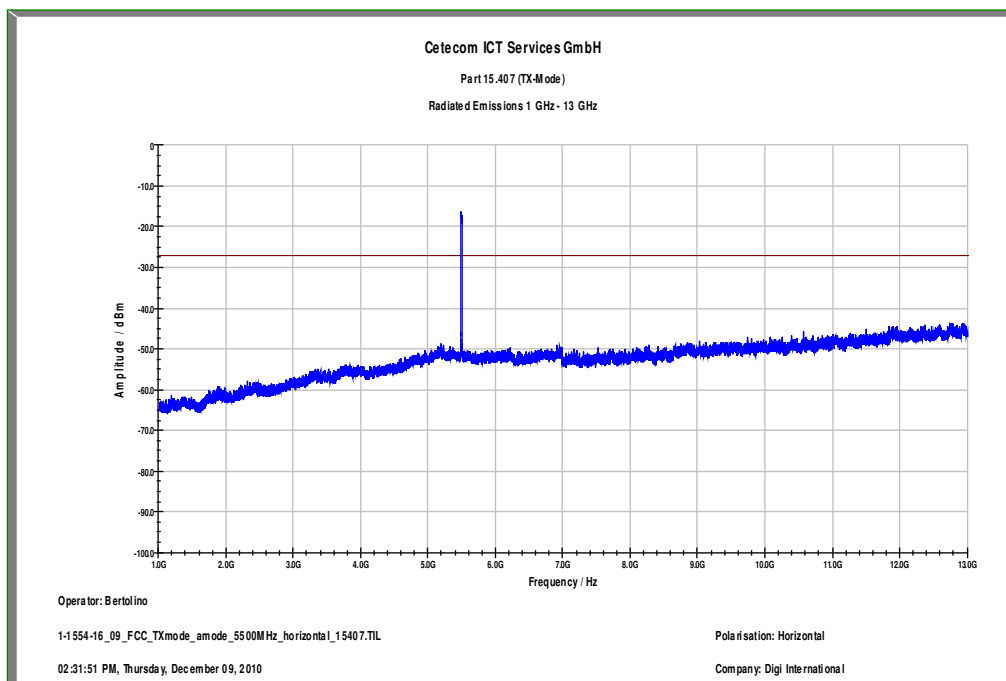


Date: 14.DEC.2010 11:09:02

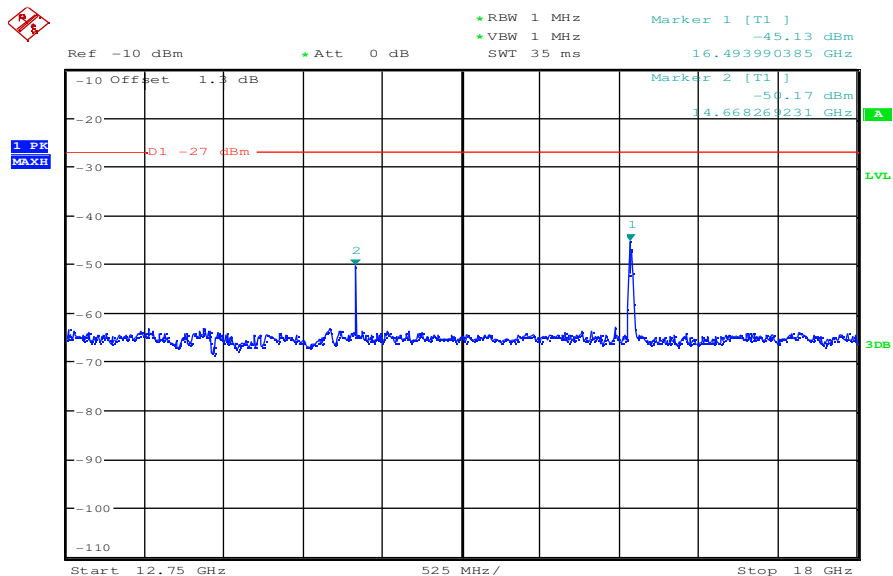
**Plot 7:** lowest channel; power index 26; 1 GHz to 13 GHz – vertical polarization, Part 15.407



**Plot 8:** lowest channel; power index 26; 1 GHz to 13 GHz – horizontal polarization, Part 15.407

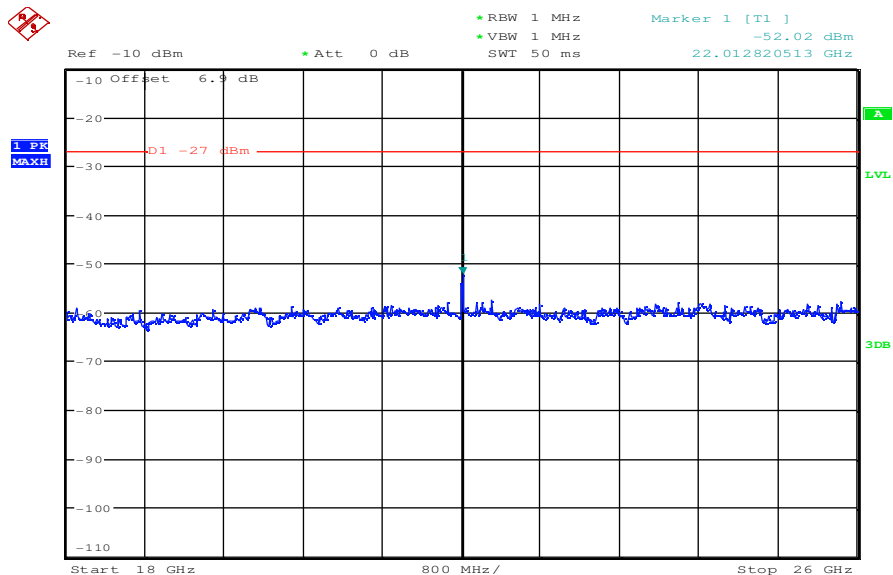


Plot 9: lowest channel; power index 26; 12.75 GHz to 18 GHz – vertical & horizontal polarization, Part 15.407



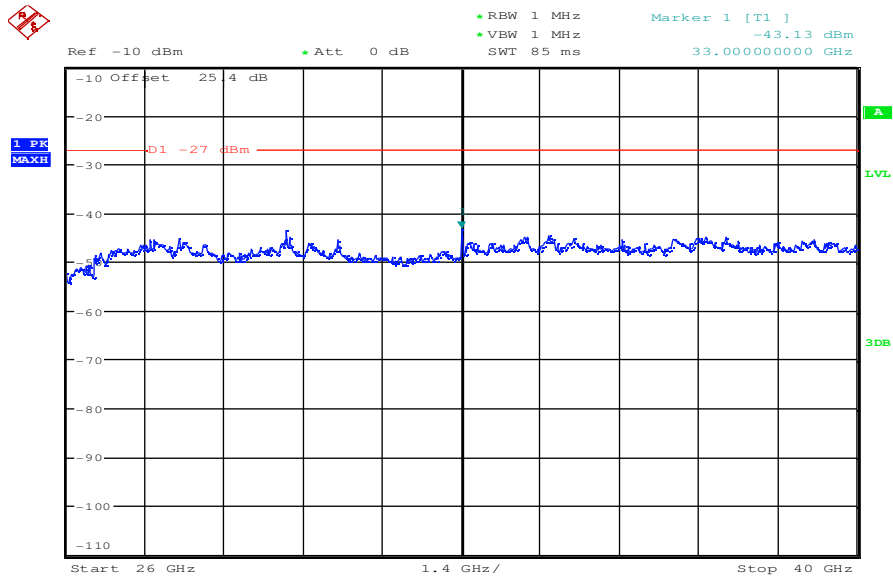
Date: 14.DEC.2010 07:28:51

Plot 10: lowest channel; power index 26; 18 GHz to 26 GHz – vertical & horizontal polarization, Part 15.407



Date: 14.DEC.2010 07:57:45

Plot 11: lowest channel; power index 26; 26 GHz to 40 GHz – vertical & horizontal polarization, Part 15.407



Date: 14.DEC.2010 08:17:59

**Plot 12:** middle channel; power index 26; 30 MHz to 1 GHz – vertical & horizontal polarization, Part 15.209

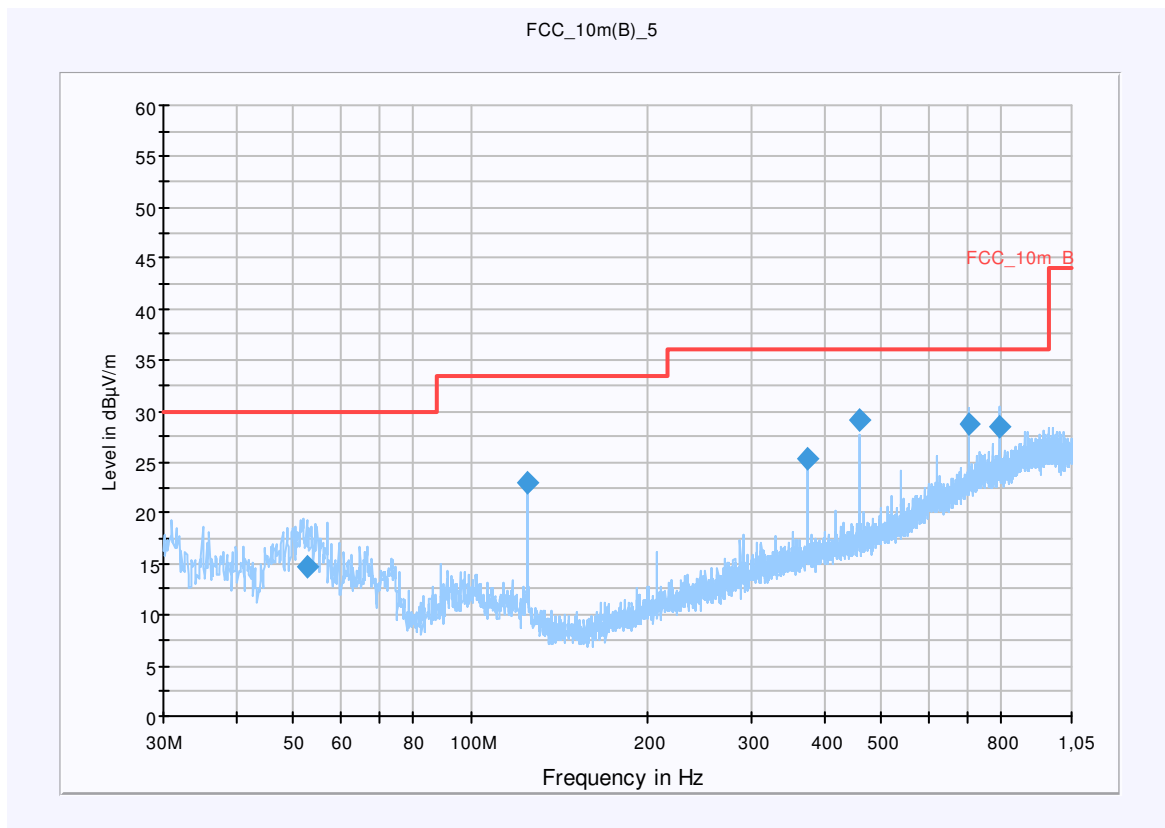
**Common Information**

EUT: i.MX51  
 Serial Number: Proto  
 Test Description: FCC part 15  
 Operating Conditions: Tx, 5600 MHz, CH 120, 54 Mbit/s, a mode, power index 26  
 Operator Name: Merten  
 Comment: DC powered via development board

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

Hardware Setup: Electric Field (NOS)  
 Level Unit: dBµV/m

**Subrange**                      **Detectors**                      **IF Bandwidth**                      **Meas. Time**                      **Receiver**  
 30 MHz - 1,05 GHz              QuasiPeak                      120 kHz                      15 s                      Receiver



**Final Result 1**

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height (cm)	Polarity	Turntable position (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
52.560000	14.7	15000.000	120.000	110.0	V	112.0	13.1	15.3	30.0	
124.680000	23.0	15000.000	120.000	98.0	V	219.0	9.8	10.5	33.5	
374.040000	25.4	15000.000	120.000	249.0	H	199.0	16.5	10.6	36.0	
457.200000	29.2	15000.000	120.000	207.0	H	173.0	17.8	6.8	36.0	
706.560000	28.7	15000.000	120.000	98.0	H	54.0	22.7	7.3	36.0	
789.600000	28.6	15000.000	120.000	110.0	H	-2.0	23.8	7.4	36.0	

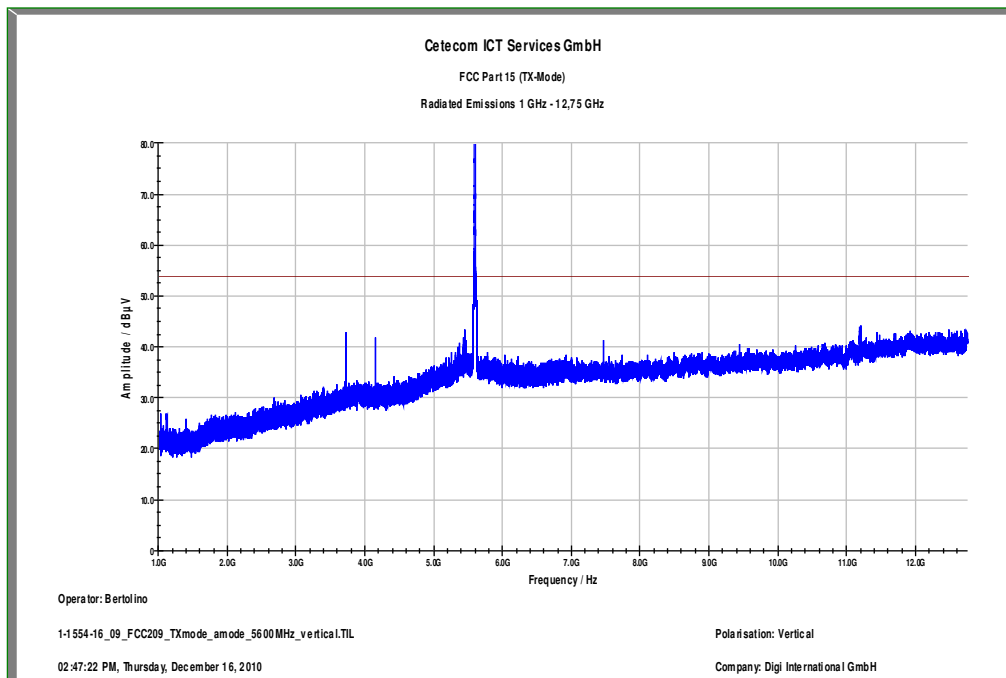


**Hardware Setup:** EMI radiated\Electric Field (NOS) - [EMI radiated]

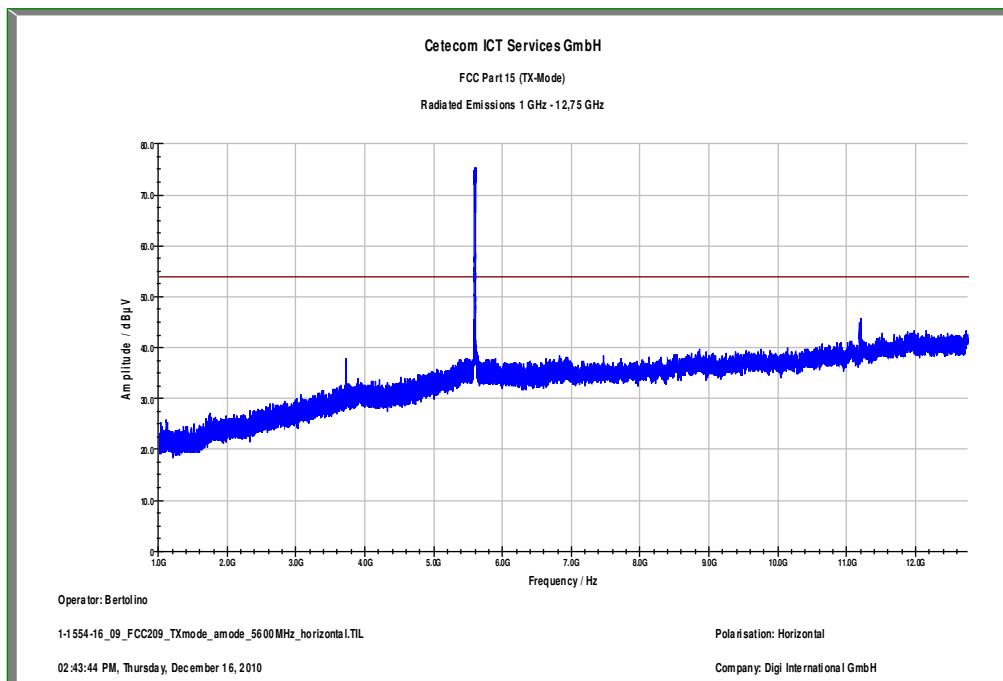
Subrange 1	
Frequency Range:	30 MHz - 2 GHz
Receiver:	Receiver [ESCI 3] @ GPIB0 (ADR 20), SN 100083/003, FW 4.32
Signal Path:	without Notch FW 1.0
Antenna:	VULB 9163 SN 9163-295, FW --- Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table: Cable_EN_1GHz (0909)
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

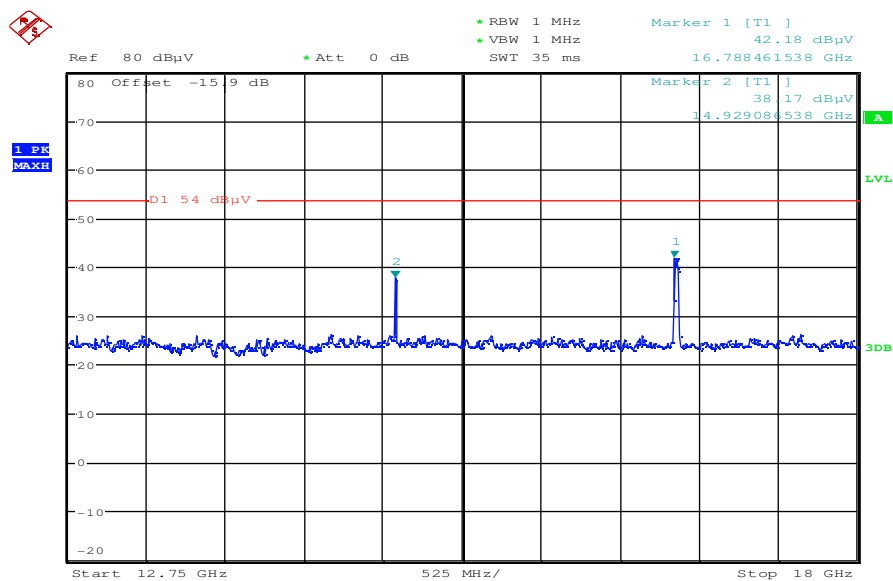
**Plot 13:** middle channel; power index 26; 1 GHz to 12.75 GHz – vertical polarization, Part 15.209



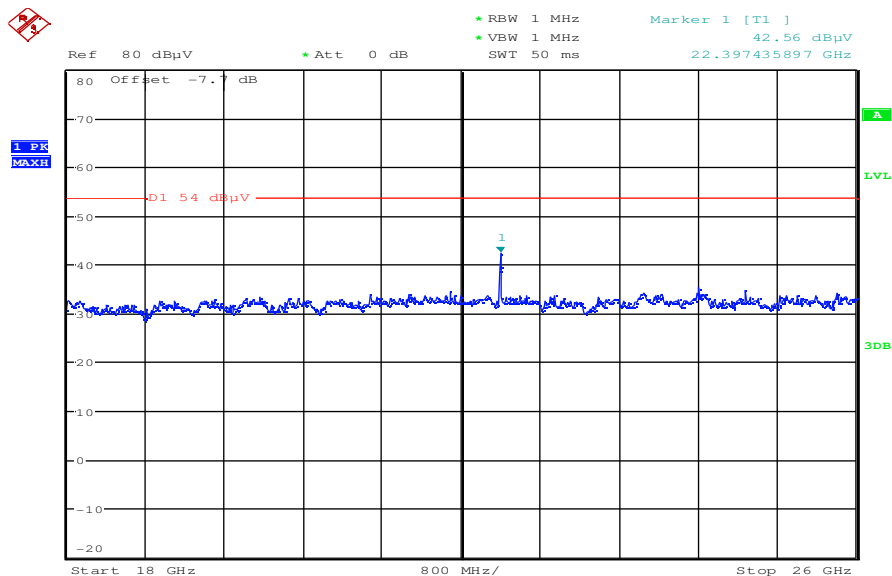
**Plot 14:** middle channel; power index 26; 1 GHz to 12.75 GHz – horizontal polarization, Part 15.209



**Plot 15:** middle channel; power index 26; 12.75 GHz to 18 GHz – vertical & horizontal polarization, Part 15.209

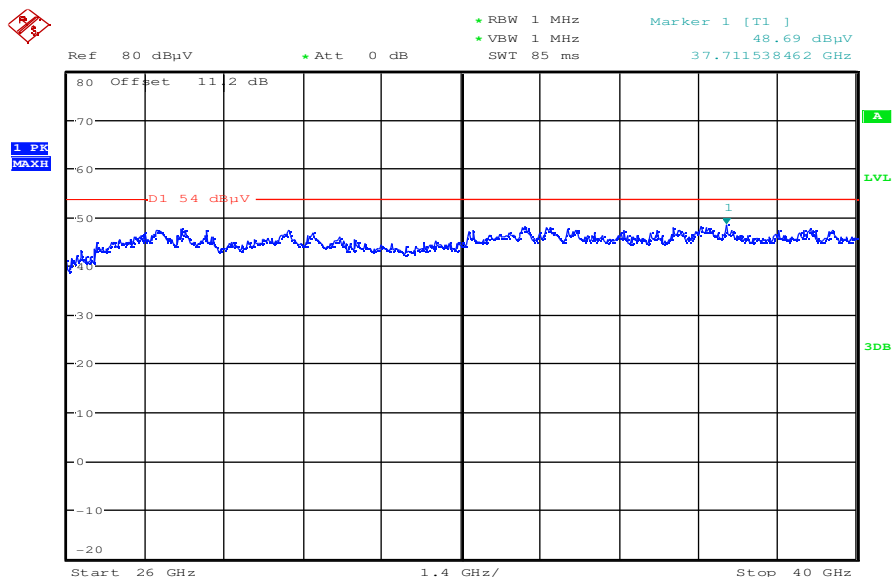


Plot 16: middle channel; power index 26; 18 GHz to 26 GHz – vertical & horizontal polarization, Part 15.209



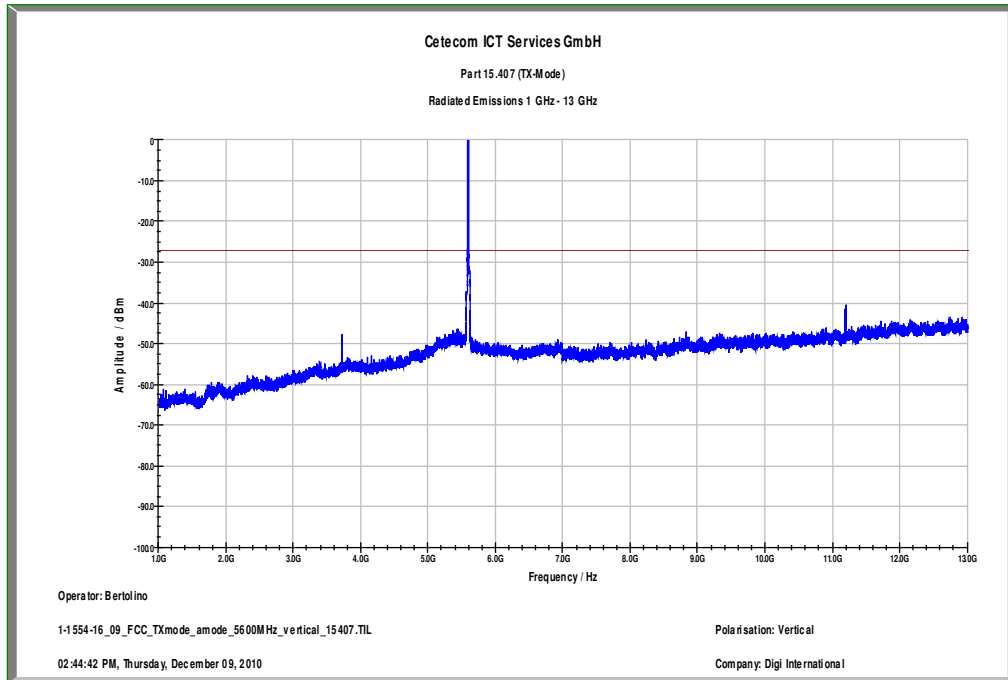
Date: 14.DEC.2010 10:53:25

Plot 17: middle channel; power index 26; 26 GHz to 40 GHz – vertical & horizontal polarization, Part 15.209

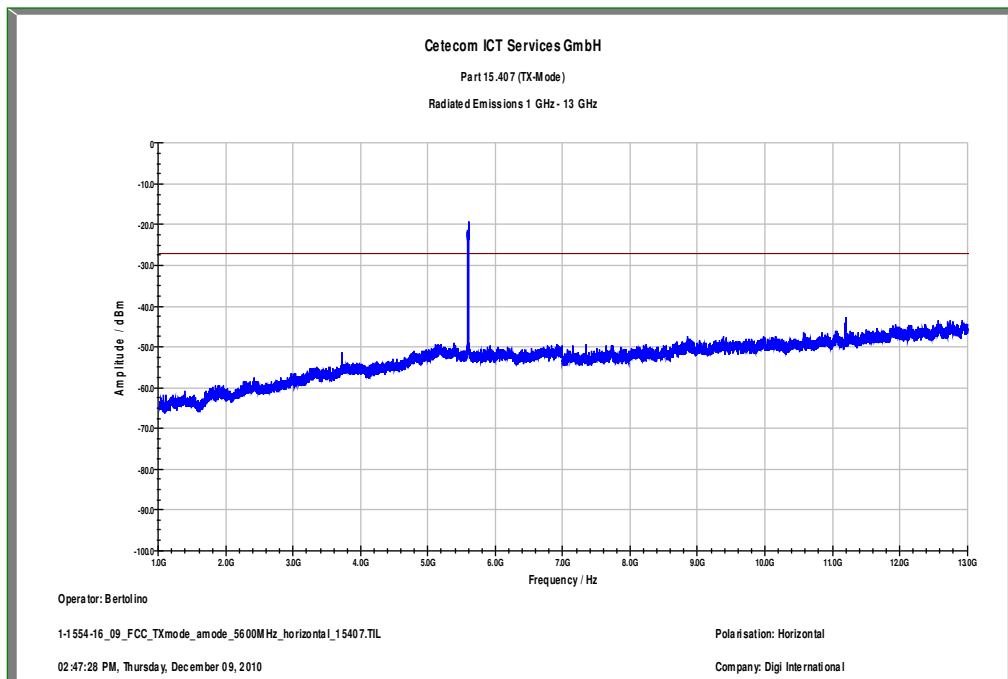


Date: 14.DEC.2010 11:10:26

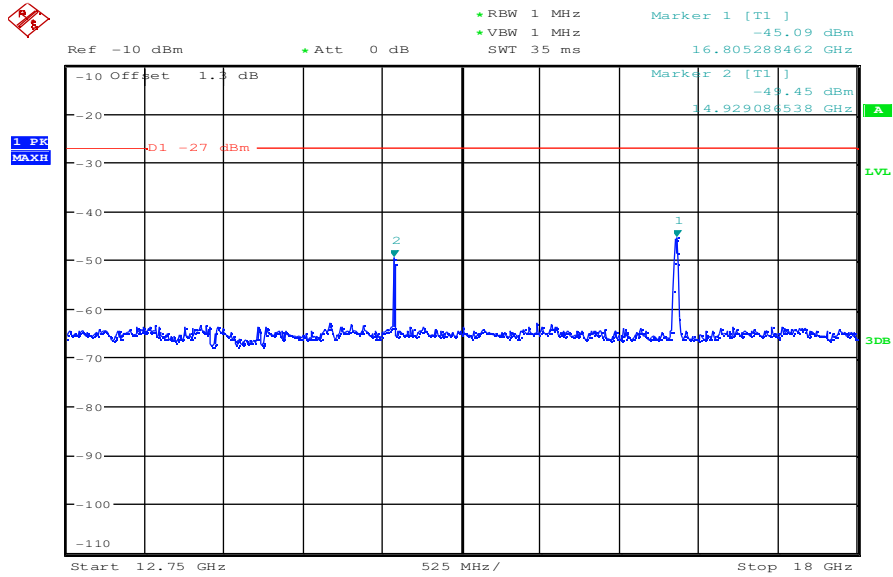
**Plot 18:** middle channel; power index 26; 1 GHz to 13 GHz – vertical polarization, Part 15.407



**Plot 19:** middle channel; power index 26; 1 GHz to 13 GHz – horizontal polarization, Part 15.407

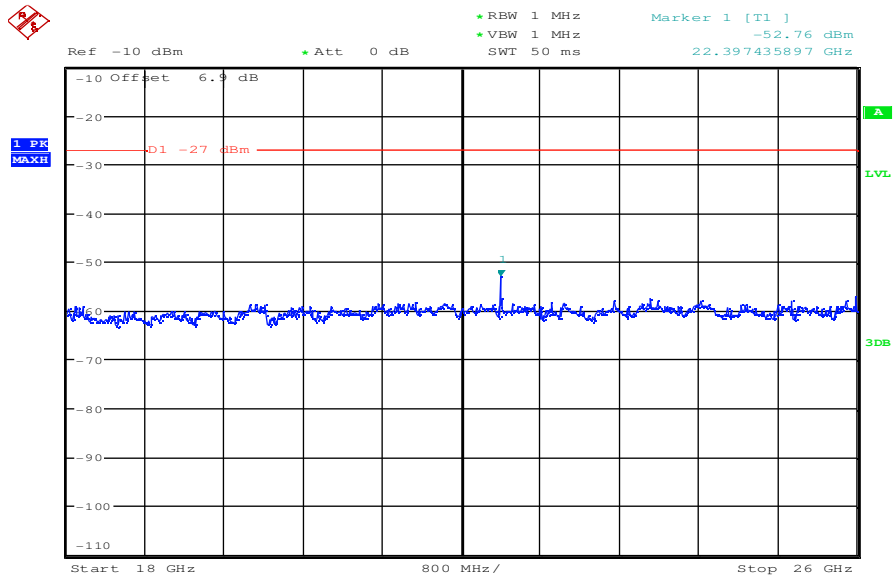


**Plot 20:** middle channel; power index 26; 12.75 GHz to 18 GHz – vertical & horizontal polarization, Part 15.407



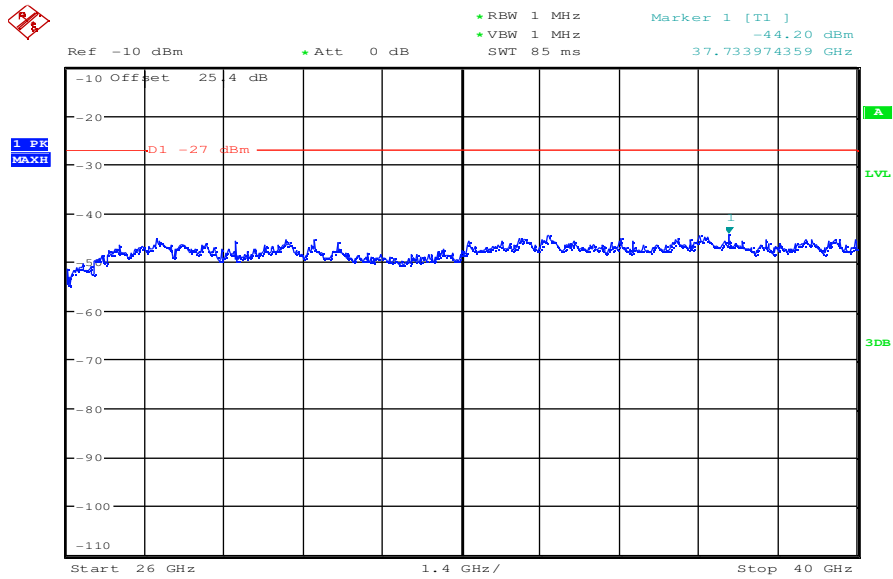
Date: 14.DEC.2010 07:30:35

**Plot 21:** middle channel; power index 26; 18 GHz to 26 GHz – vertical & horizontal polarization, Part 15.407



Date: 14.DEC.2010 07:58:28

Plot 22: middle channel; power index 26; 26 GHz to 40 GHz – vertical & horizontal polarization, Part 15.407



Date: 14.DEC.2010 08:18:46

**Plot 23:** highest channel; power index 26; 30 MHz to 1 GHz – vertical & horizontal polarization, Part 15.209

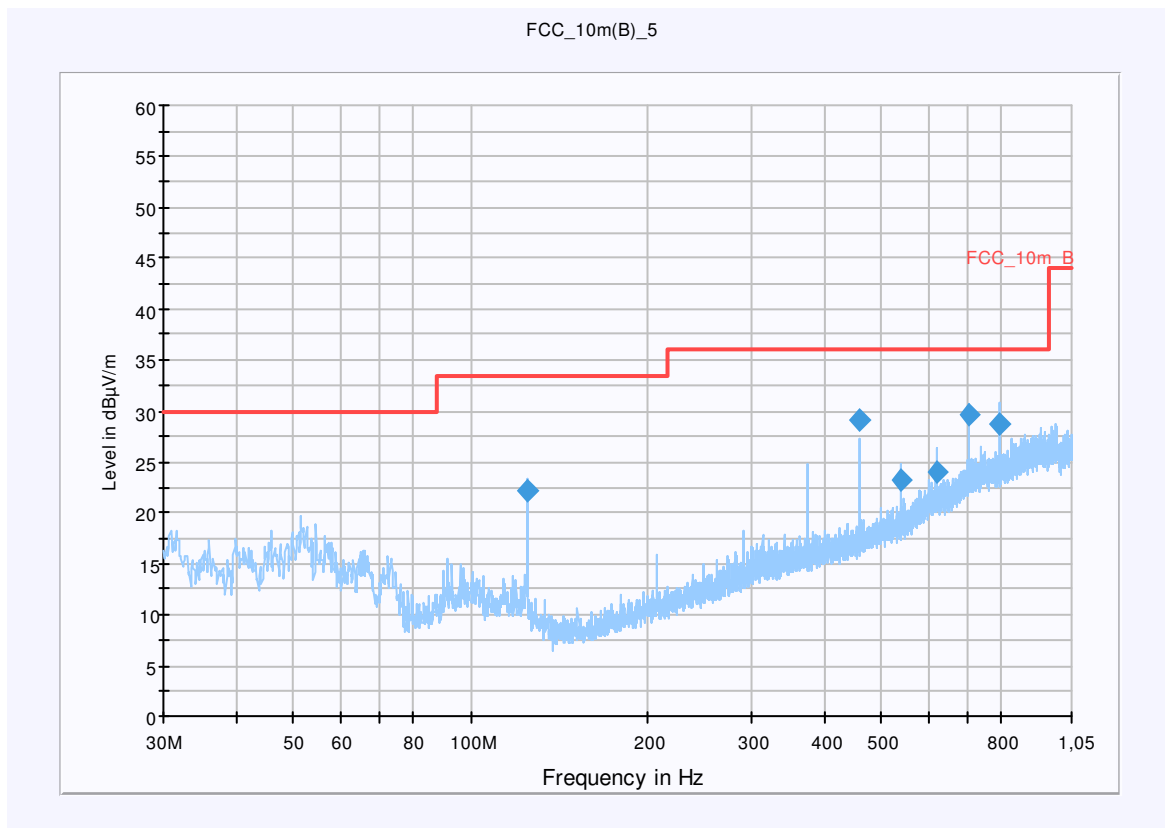
**Common Information**

EUT: i.MX51  
 Serial Number: Proto  
 Test Description: FCC part 15  
 Operating Conditions: Tx, 5700 MHz, CH 140, 54 Mbit/s, a mode, power index 26  
 Operator Name: Merten  
 Comment: DC powered via development board

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

Hardware Setup: Electric Field (NOS)  
 Level Unit: dBµV/m

**Subrange**                      **Detectors**                      **IF Bandwidth**                      **Meas. Time**                      **Receiver**  
 30 MHz - 1,05 GHz              QuasiPeak                      120 kHz                      15 s                      Receiver



**Final Result 1**

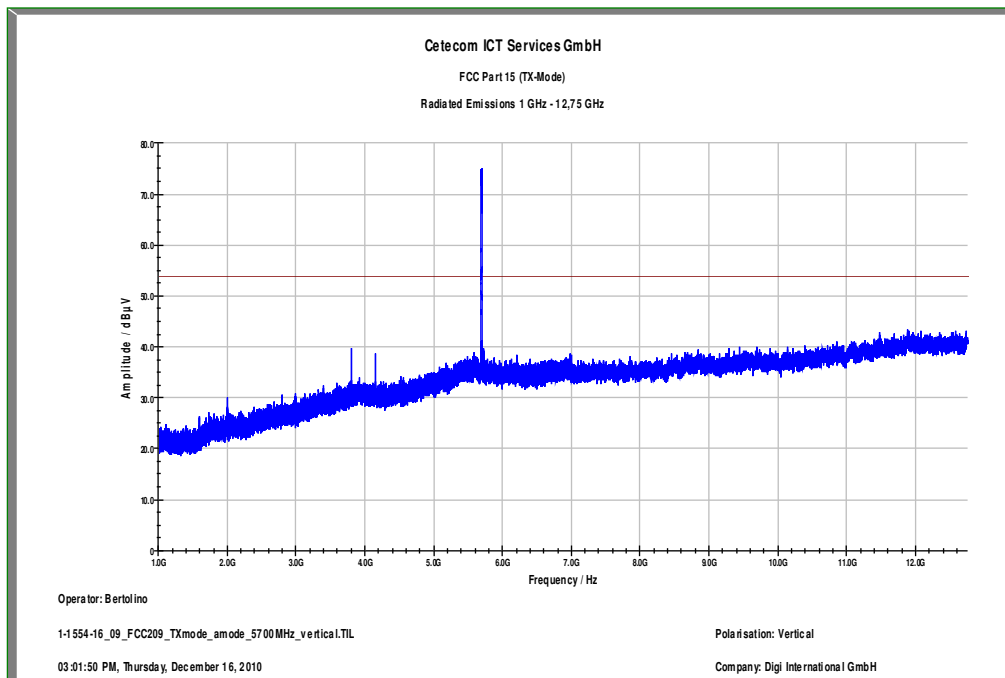
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height (cm)	Polarity	Turntable position (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
124.680000	22.2	15000.000	120.000	109.0	V	19.0	9.8	11.3	33.5	
457.200000	29.0	15000.000	120.000	172.0	H	162.0	17.8	7.0	36.0	
540.240000	23.2	15000.000	120.000	206.0	H	153.0	19.2	12.8	36.0	
623.400000	24.0	15000.000	120.000	180.0	H	59.0	20.9	12.0	36.0	
706.560000	29.7	15000.000	120.000	131.0	H	171.0	22.7	6.3	36.0	
789.600000	28.7	15000.000	120.000	110.0	H	-2.0	23.8	7.3	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 4.32
Signal Path:	without Notch FW 1.0
Antenna:	VULB 9163 SN 9163-295, FW --- Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table: Cable_EN_1GHz (0909)
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

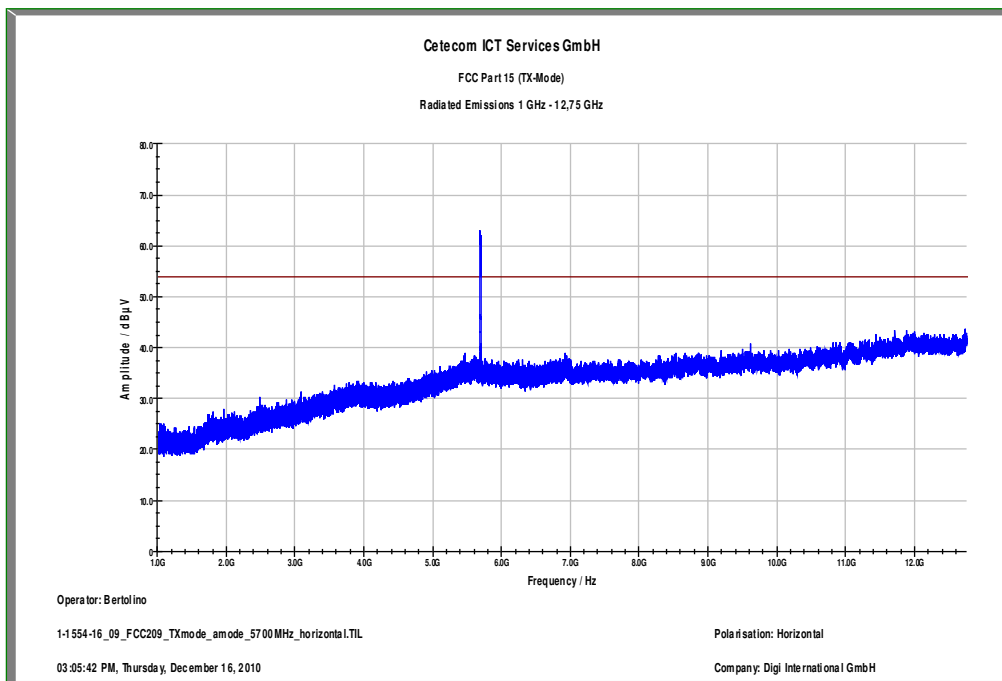
EMC 32 Version 8.10.00

**Plot 24:** highest channel; power index 26; 1 GHz to 12.75 GHz – vertical polarization, Part 15.209

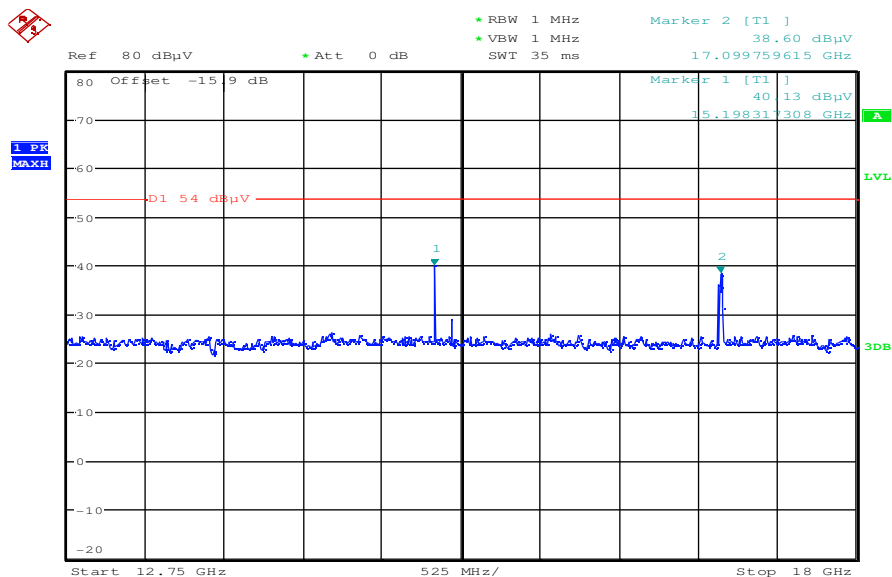




**Plot 25:** highest channel; power index 26; 1 GHz to 12.75 GHz – horizontal polarization, Part 15.209

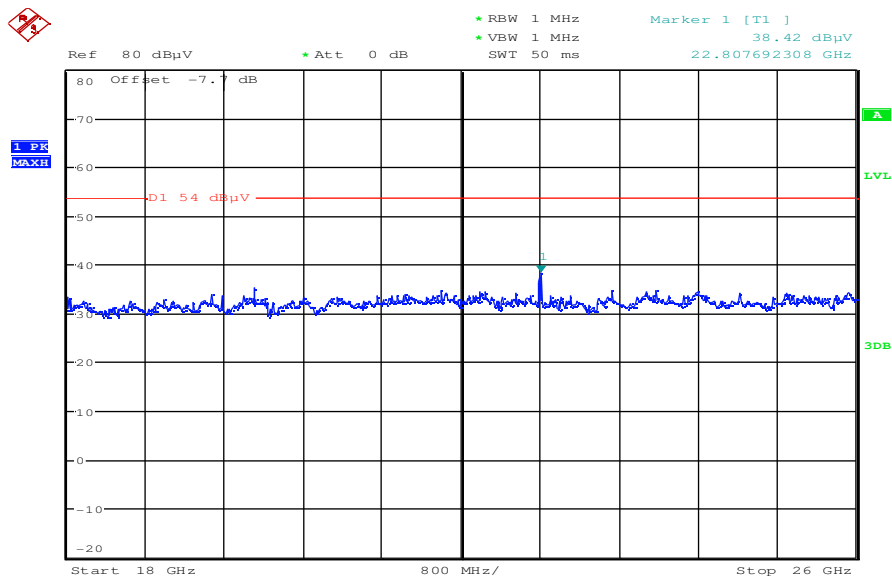


**Plot 26:** highest channel; power index 26; 12.75 GHz to 18 GHz – vertical & horizontal polarization, Part 15.209



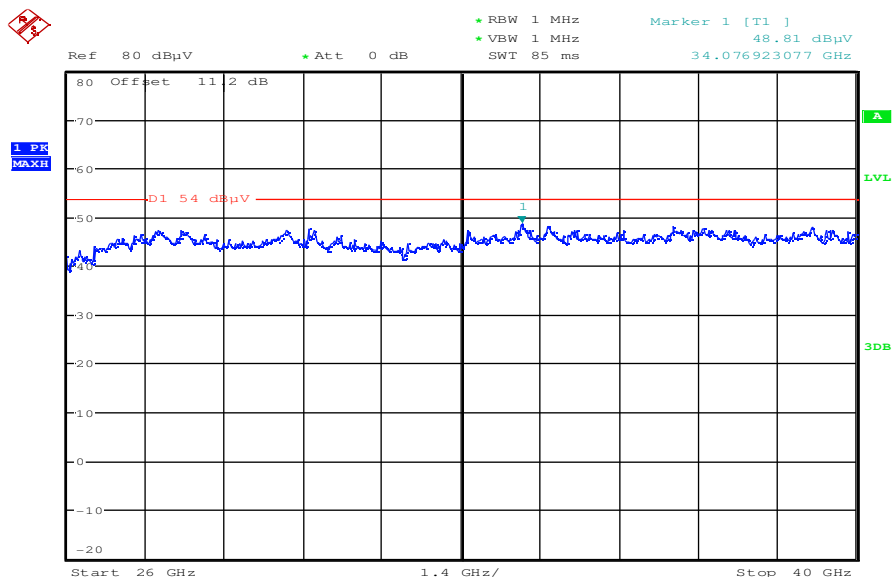
Date: 14.DEC.2010 10:19:14

Plot 27: highest channel; power index 26; 18 GHz to 26 GHz – vertical & horizontal polarization, Part 15.209



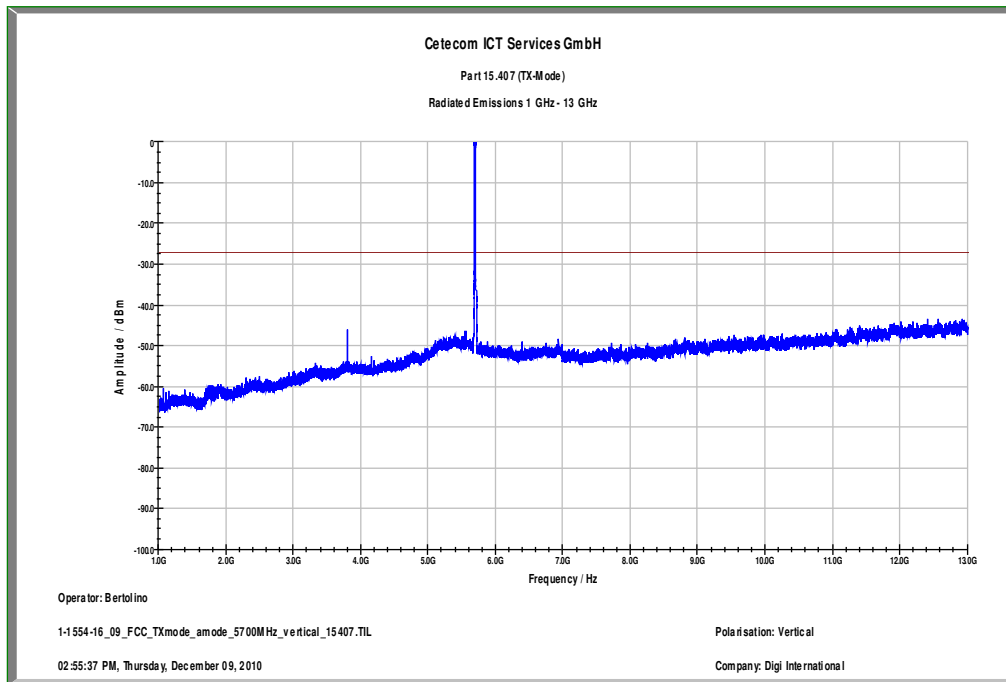
Date: 14.DEC.2010 10:54:24

Plot 28: highest channel; power index 26; 26 GHz to 40 GHz – vertical & horizontal polarization, Part 15.209

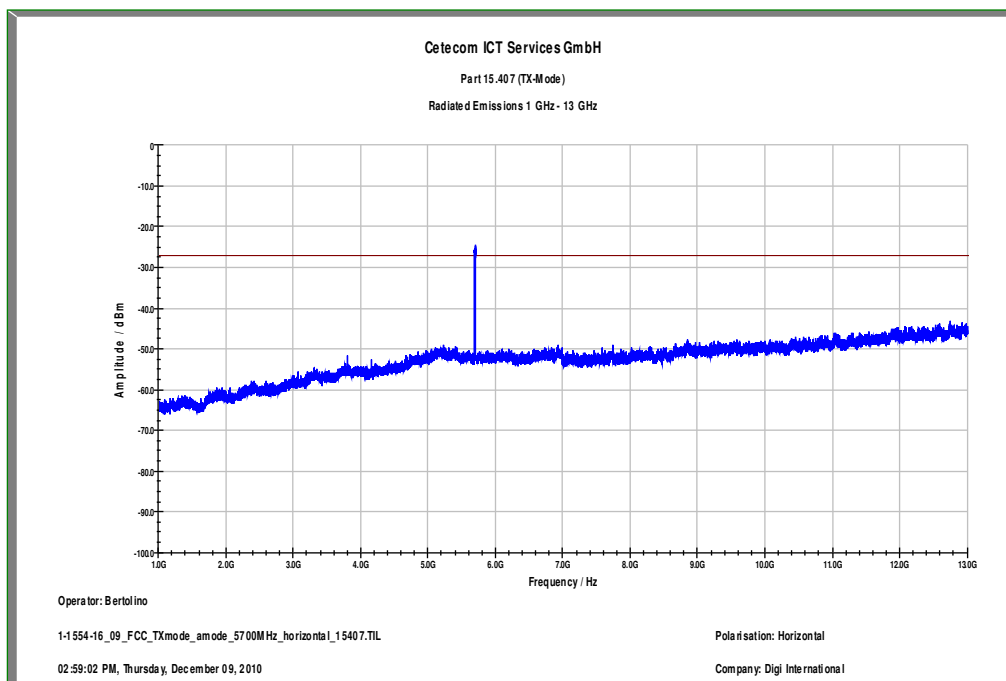


Date: 14.DEC.2010 11:11:13

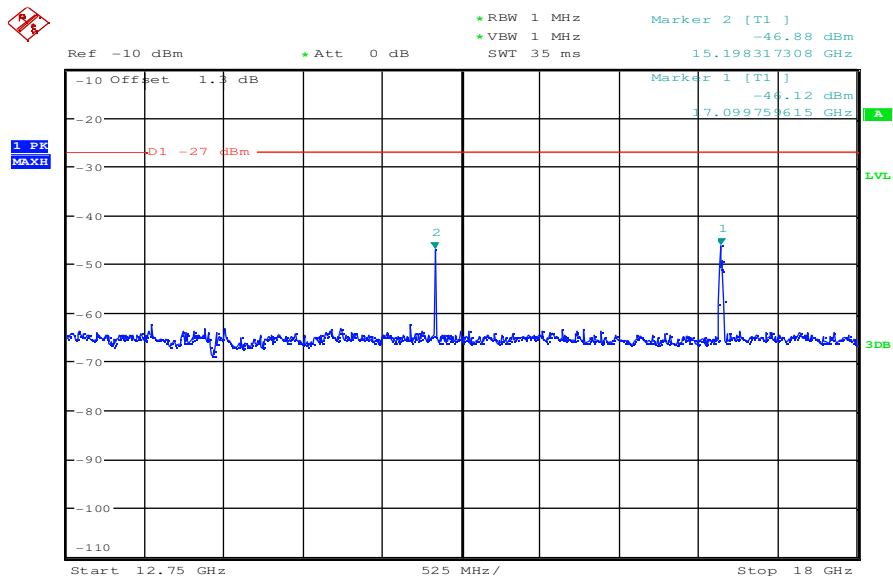
**Plot 29:** highest channel; power index 26; 1 GHz to 13 GHz – vertical polarization, Part 15.407



**Plot 30:** highest channel; power index 26; 1 GHz to 13 GHz – horizontal polarization, Part 15.407

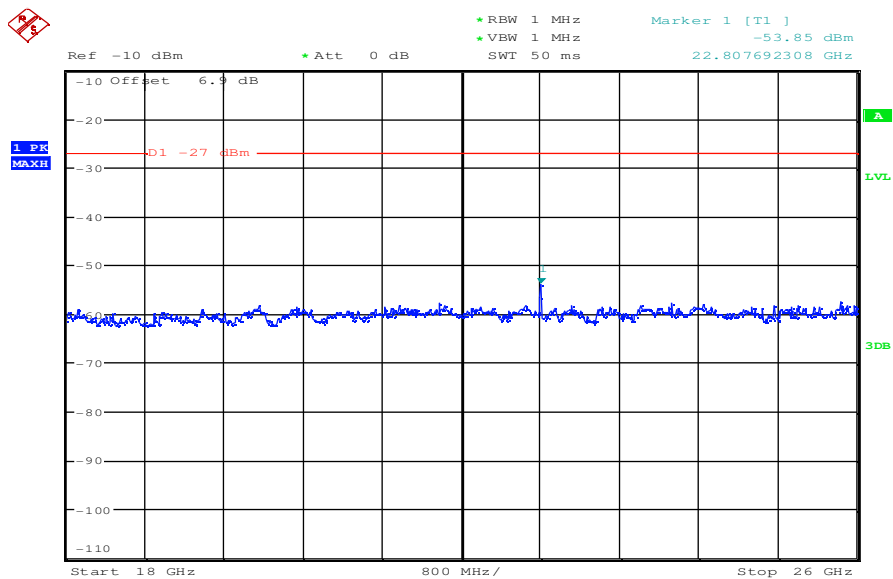


Plot 31: highest channel; power index 26; 12.75 GHz to 18 GHz – vertical & horizontal polarization, Part 15.407



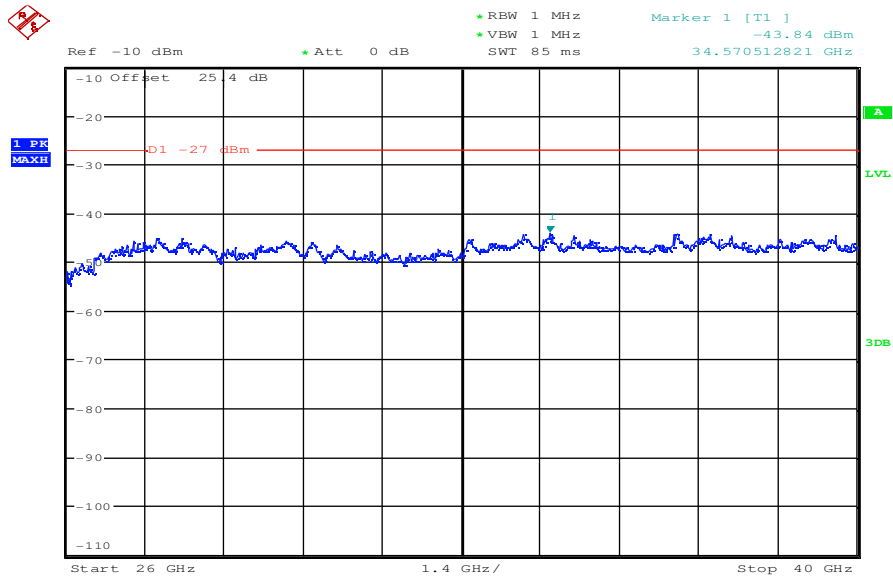
Date: 14.DEC.2010 07:31:46

Plot 32: highest channel; power index 26; 18 GHz to 26 GHz – vertical & horizontal polarization, Part 15.407



Date: 14.DEC.2010 07:59:24

Plot 33: highest channel; power index 26; 26 GHz to 40 GHz – vertical & horizontal polarization, Part 15.407



Date: 14.DEC.2010 08:20:20

**OFDM – mode / n – mode (mcs7):**

**Plot 1:** lowest channel; power index 26; 30 MHz to 1 GHz – vertical & horizontal polarization, Part 15.209

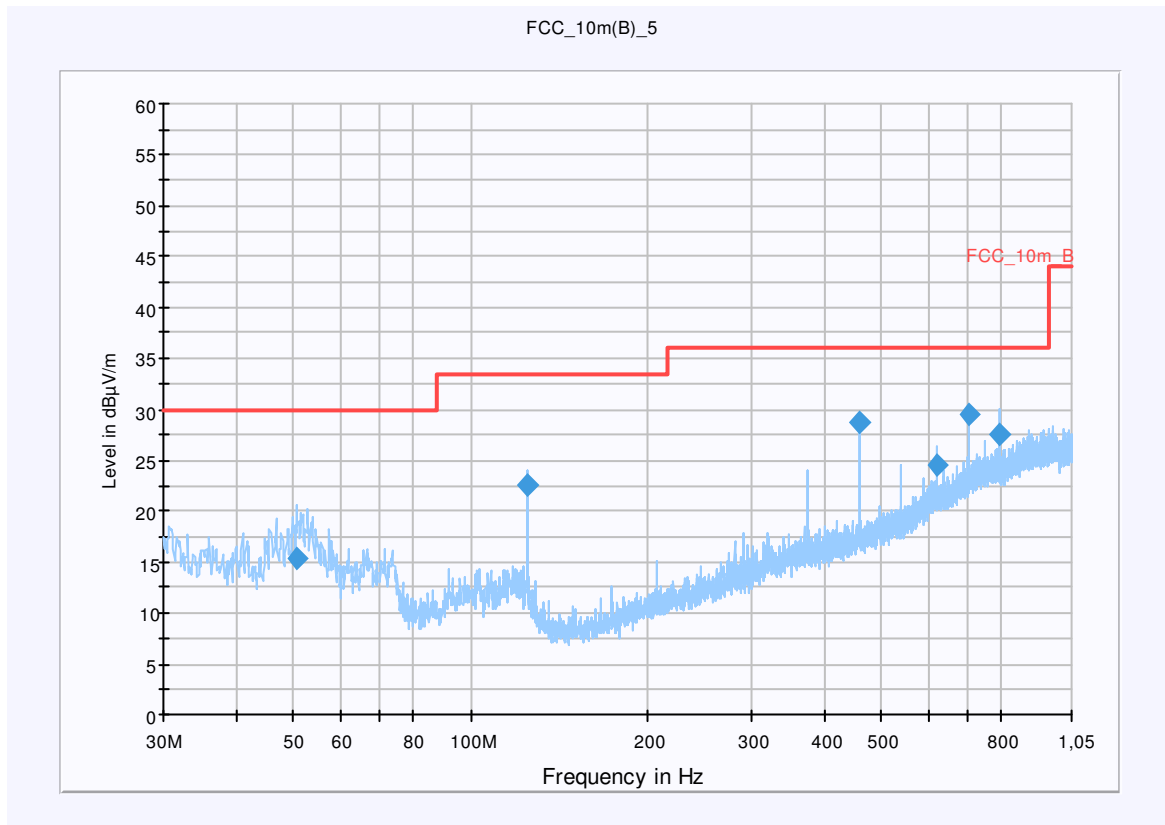
**Common Information**

EUT: i.MX51  
 Serial Number: Proto  
 Test Description: FCC part 15  
 Operating Conditions: Tx, 5500 MHz, CH 100, mcs 7, n mode, power index 26  
 Operator Name: Merten  
 Comment: DC powered via development board

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

Hardware Setup: Electric Field (NOS)  
 Level Unit: dBµV/m

Subrange	Detectors	IF Bandwidth	Meas. Time	Receiver
30 MHz - 1,05 GHz	QuasiPeak	120 kHz	15 s	Receiver



**Final Result 1**

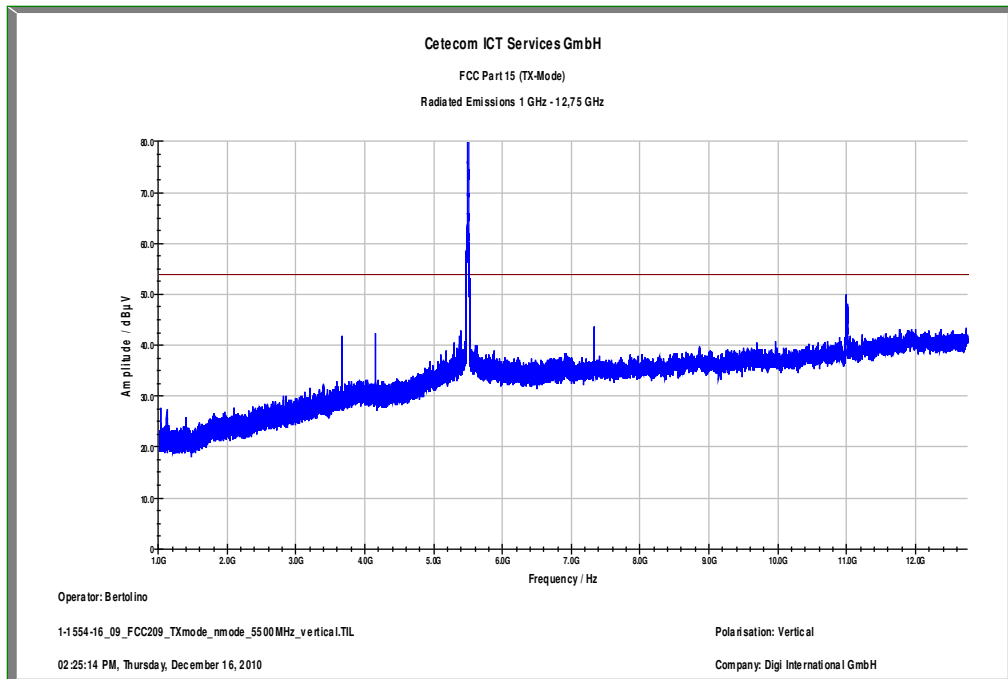
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height (cm)	Polarity	Turntable position (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
50.640000	15.4	15000.000	120.000	117.0	V	338.0	13.3	14.6	30.0	
124.680000	22.6	15000.000	120.000	98.0	V	222.0	9.8	10.9	33.5	
457.200000	28.8	15000.000	120.000	211.0	H	178.0	17.8	7.2	36.0	
623.400000	24.6	15000.000	120.000	120.0	H	31.0	20.9	11.4	36.0	
706.560000	29.4	15000.000	120.000	98.0	H	155.0	22.7	6.6	36.0	
789.600000	27.6	15000.000	120.000	98.0	H	62.0	23.8	8.4	36.0	

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

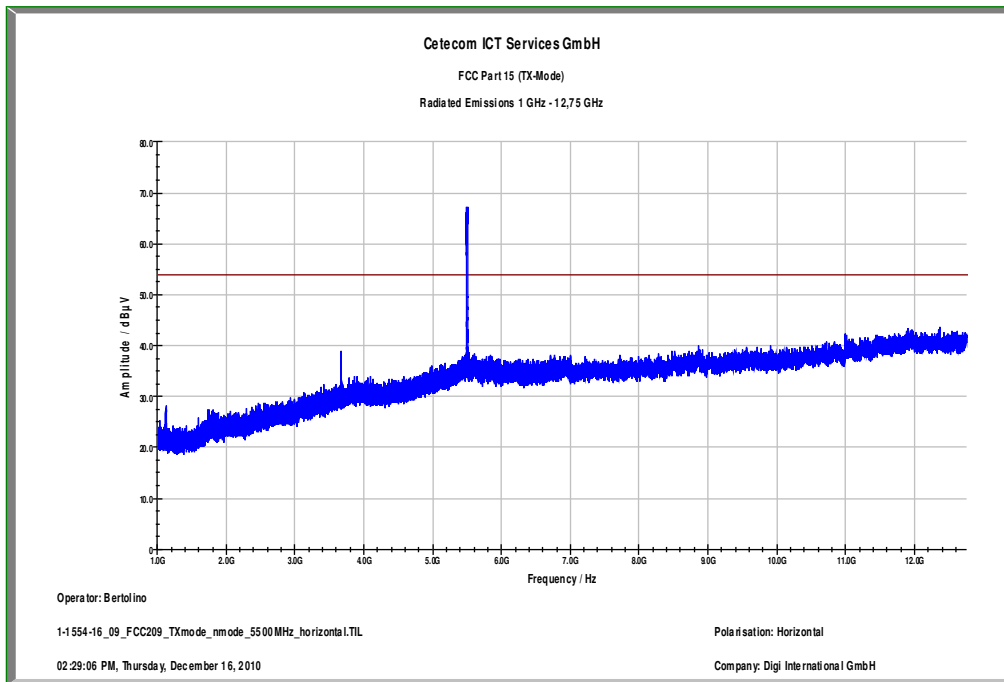
Subrange 1	
Frequency Range:	30 MHz - 2 GHz
Receiver:	Receiver [ESCI 3] @ GPIB0 (ADR 20), SN 100083/003, FW 4.32
Signal Path:	without Notch FW 1.0
Antenna:	VULB 9163 SN 9163-295, FW --- Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table: Cable_EN_1GHz (0909)
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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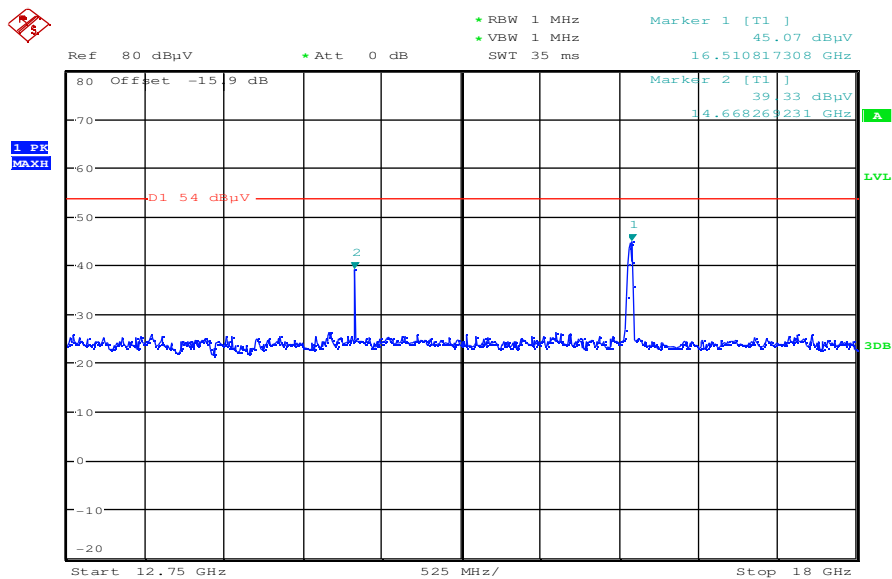
**Plot 2:** lowest channel; power index 26; 1 GHz to 12.75 GHz – vertical polarization, Part 15.209



**Plot 3:** lowest channel; power index 26; 1 GHz to 12.75 GHz – horizontal polarization, Part 15.209



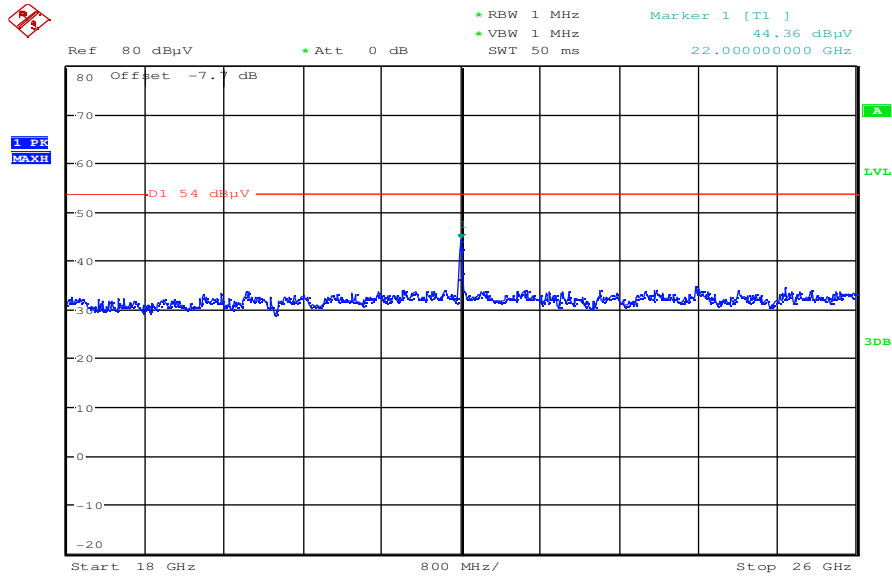
**Plot 4:** lowest channel; power index 26; 12.75 GHz to 18 GHz – vertical & horizontal polarization, Part 15.209



Date: 14.DEC.2010 10:26:24

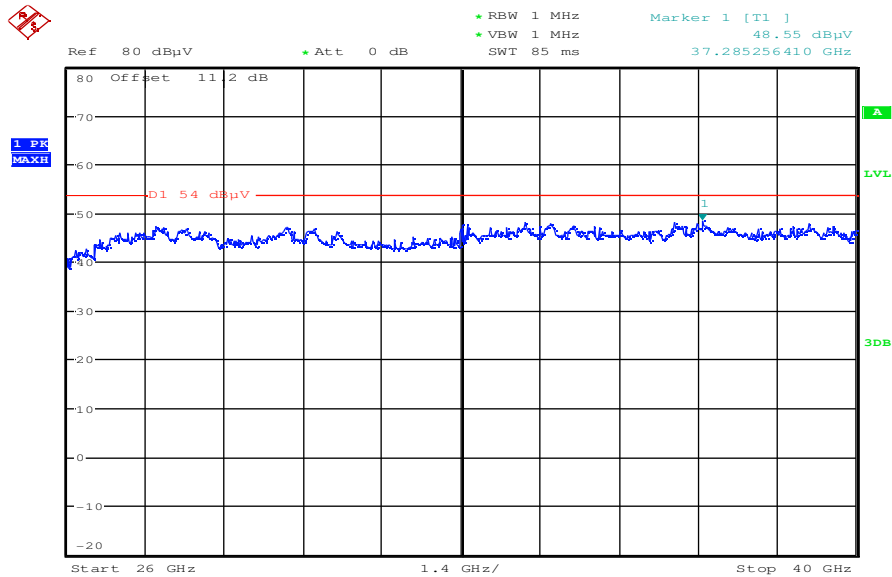


Plot 5: lowest channel; power index 26; 18 GHz to 26 GHz – vertical & horizontal polarization, Part 15.209



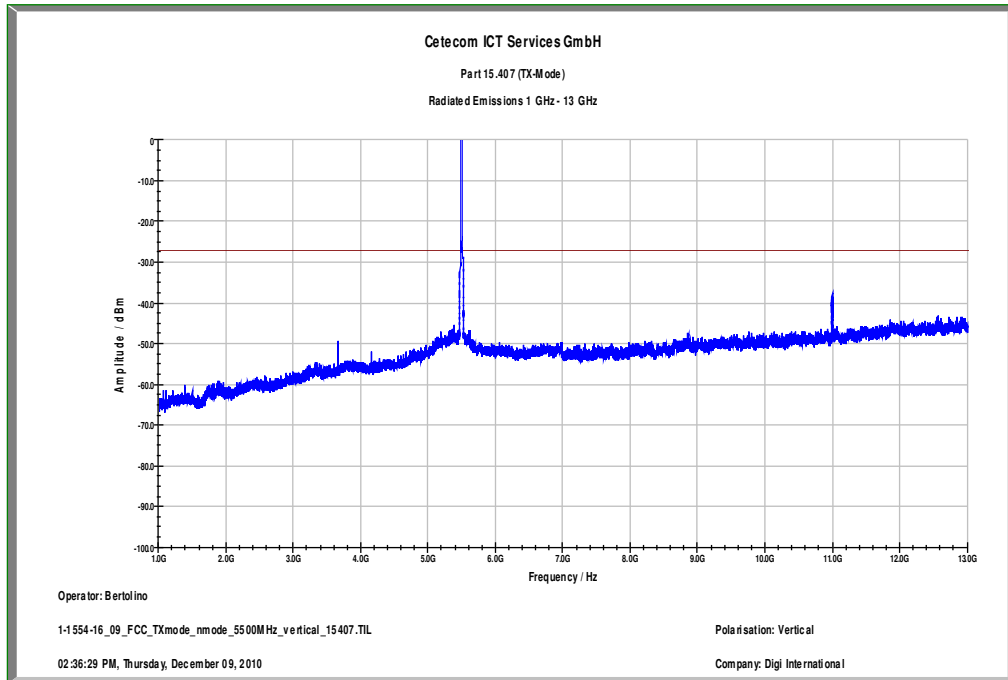
Date: 14.DEC.2010 10:59:59

Plot 6: lowest channel; power index 26; 26 GHz to 40 GHz – vertical & horizontal polarization, Part 15.209

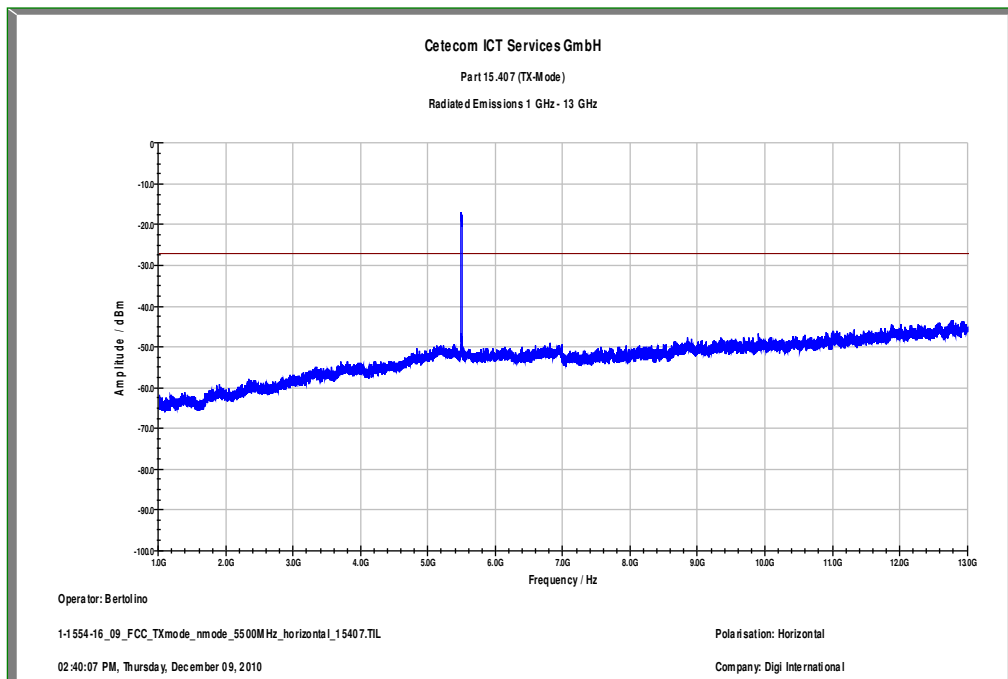


Date: 14.DEC.2010 11:16:20

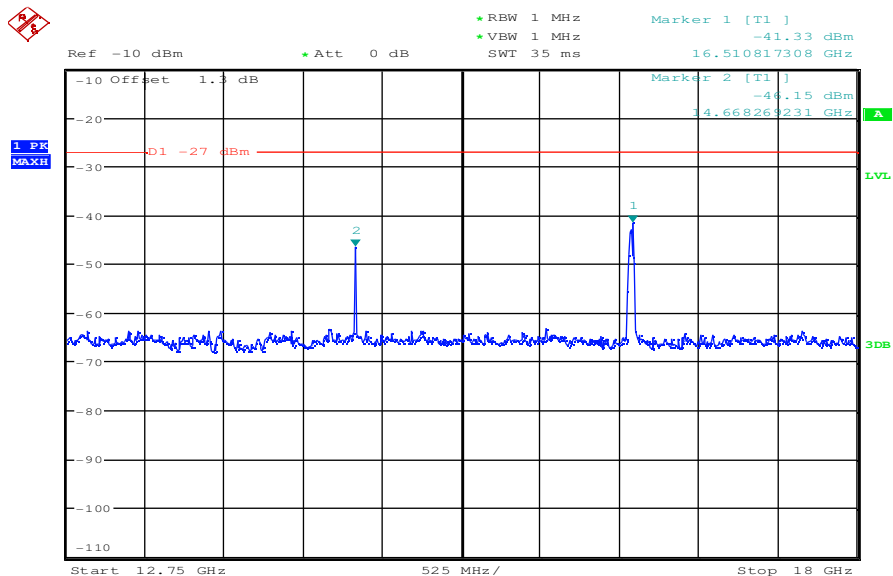
**Plot 7:** lowest channel; power index 26; 1 GHz to 13 GHz – vertical polarization, Part 15.407



**Plot 8:** lowest channel; power index 26; 1 GHz to 13 GHz – horizontal polarization, Part 15.407

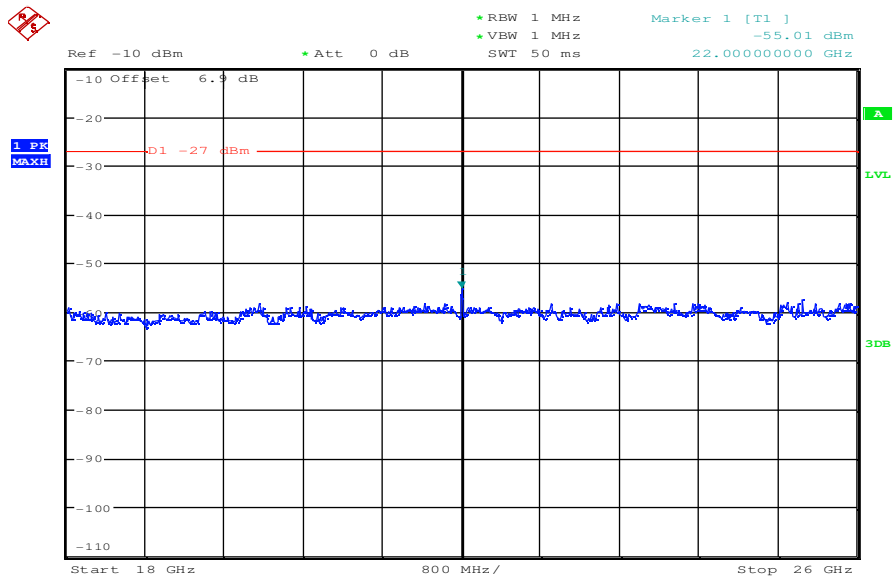


Plot 9: lowest channel; power index 26; 12.75 GHz to 18 GHz – vertical & horizontal polarization, Part 15.407



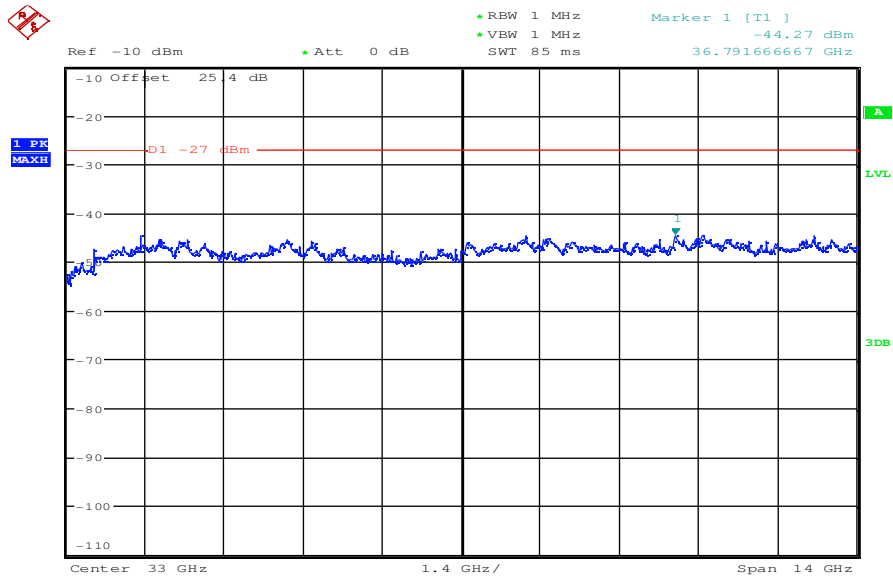
Date: 14.DEC.2010 07:40:07

Plot 10: lowest channel; power index 26; 18 GHz to 26 GHz – vertical & horizontal polarization, Part 15.407



Date: 14.DEC.2010 08:06:21

Plot 11: lowest channel; power index 26; 26 GHz to 40 GHz – vertical & horizontal polarization, Part 15.407



Date: 14.DEC.2010 08:48:17

**Plot 12:** middle channel; power index 26; 30 MHz to 1 GHz – vertical & horizontal polarization, Part 15.209

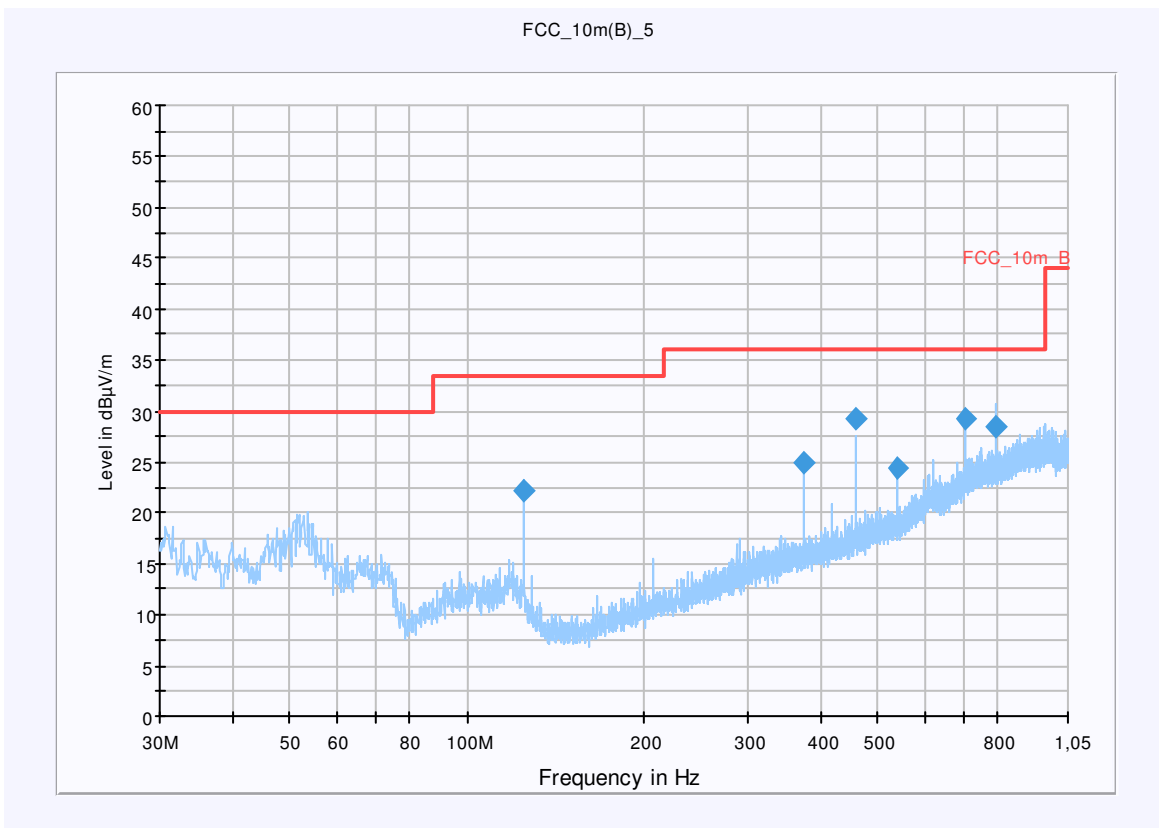
### Common Information

EUT: i.MX51  
 Serial Number: Proto  
 Test Description: FCC part 15  
 Operating Conditions: Tx, 5600 MHz, CH 120, mcs 7, n mode, power index 26  
 Operator Name: Merten  
 Comment: DC powered via development board

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

Hardware Setup: Electric Field (NOS)  
 Level Unit: dB $\mu$ V/m

Subrange	Detectors	IF Bandwidth	Meas. Time	Receiver
30 MHz - 1,05 GHz	QuasiPeak	120 kHz	15 s	Receiver



### Final Result 1

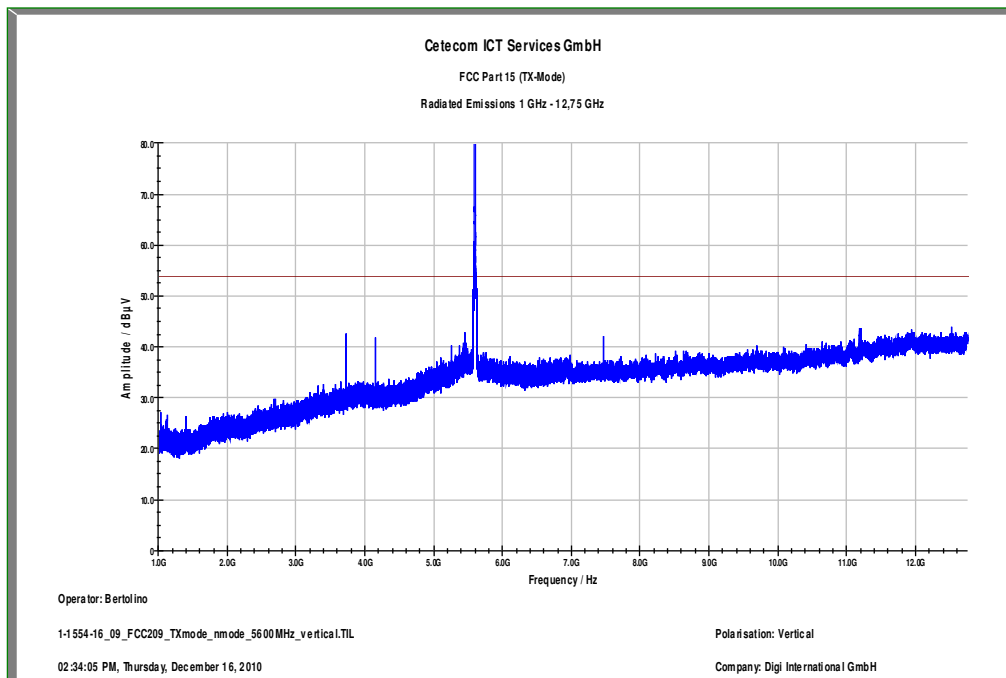
Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height (cm)	Polarity	Turntable position (deg)	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)	Comment
124.680000	22.2	15000.000	120.000	139.0	V	37.0	9.8	11.3	33.5	
374.040000	24.9	15000.000	120.000	237.0	H	28.0	16.5	11.1	36.0	
457.200000	29.2	15000.000	120.000	204.0	H	175.0	17.8	6.8	36.0	
540.240000	24.5	15000.000	120.000	175.0	H	153.0	19.2	11.5	36.0	
706.560000	29.4	15000.000	120.000	98.0	H	153.0	22.7	6.6	36.0	
789.600000	28.5	15000.000	120.000	110.0	H	333.0	23.8	7.5	36.0	

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

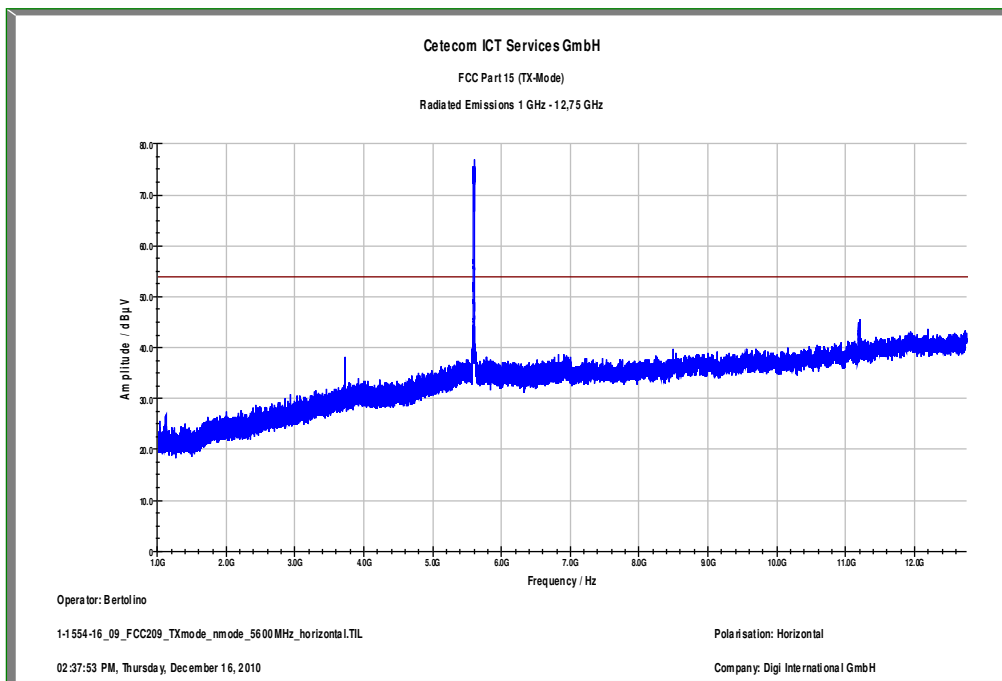
Subrange 1	
Frequency Range:	30 MHz - 2 GHz
Receiver:	Receiver [ESCI 3] @ GPIB0 (ADR 20), SN 100083/003, FW 4.32
Signal Path:	without Notch FW 1.0
Antenna:	VULB 9163 SN 9163-295, FW --- Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table: Cable_EN_1GHz (0909)
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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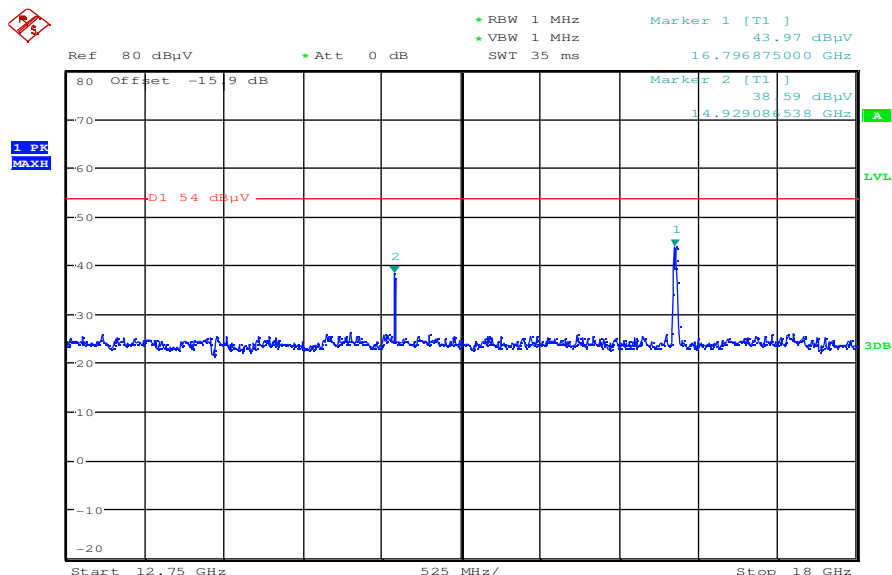
**Plot 13:** middle channel; power index 26; 1 GHz to 12.75 GHz – vertical polarization, Part 15.209



Plot 14: middle channel; power index 26; 1 GHz to 12.75 GHz – horizontal polarization, Part 15.209

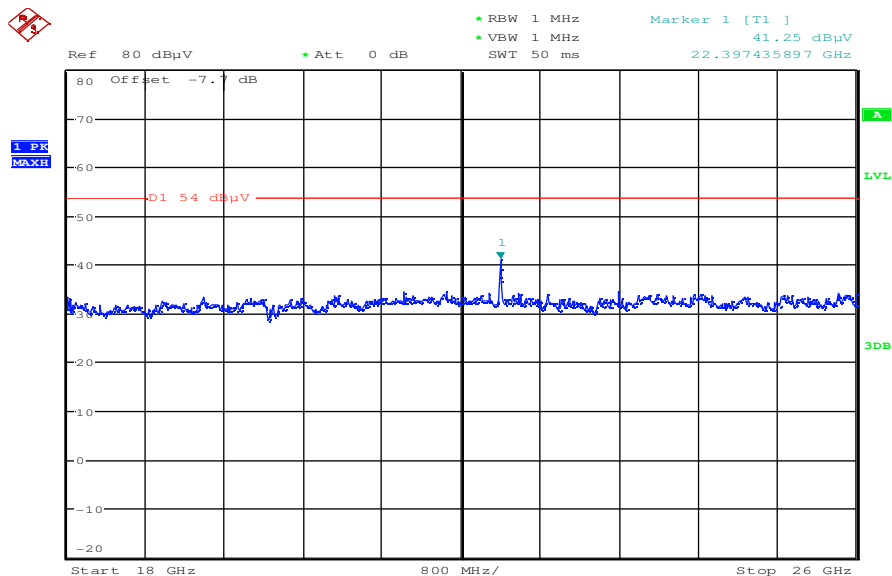


Plot 15: middle channel; power index 26; 12.75 GHz to 18 GHz – vertical & horizontal polarization, Part 15.209



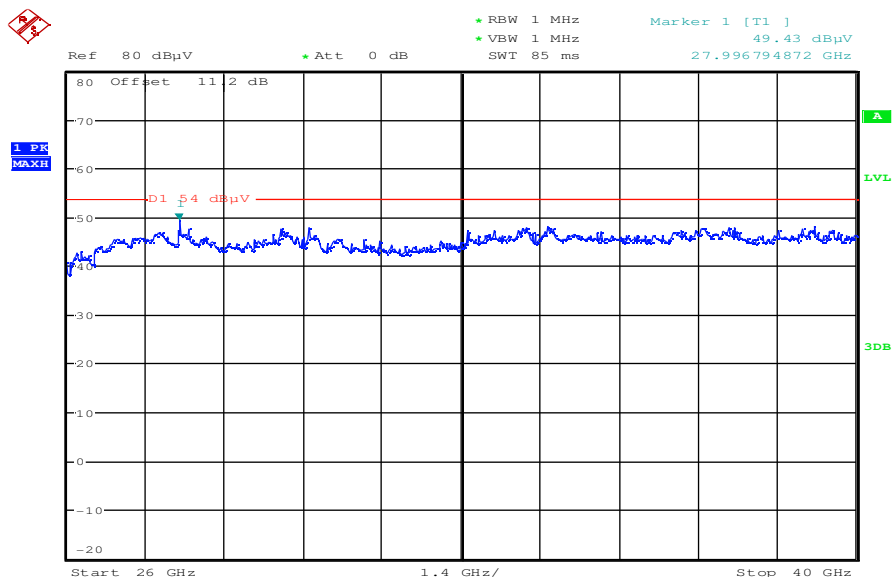
Date: 14.DEC.2010 10:27:06

Plot 16: middle channel; power index 26; 18 GHz to 26 GHz – vertical & horizontal polarization, Part 15.209



Date: 14.DEC.2010 11:00:56

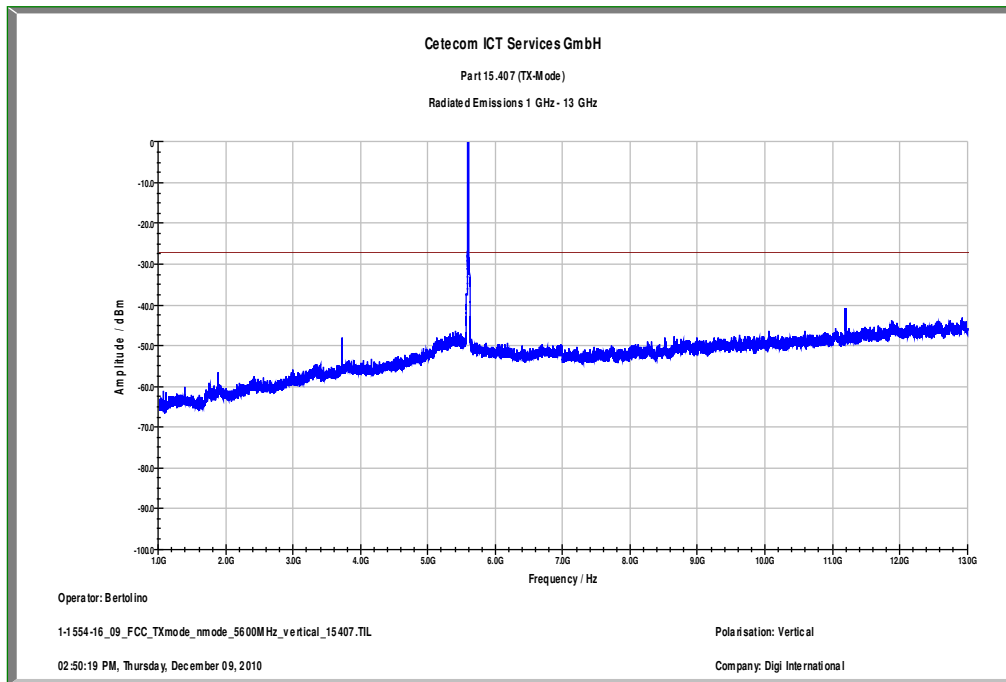
Plot 17: middle channel; power index 26; 26 GHz to 40 GHz – vertical & horizontal polarization, Part 15.209



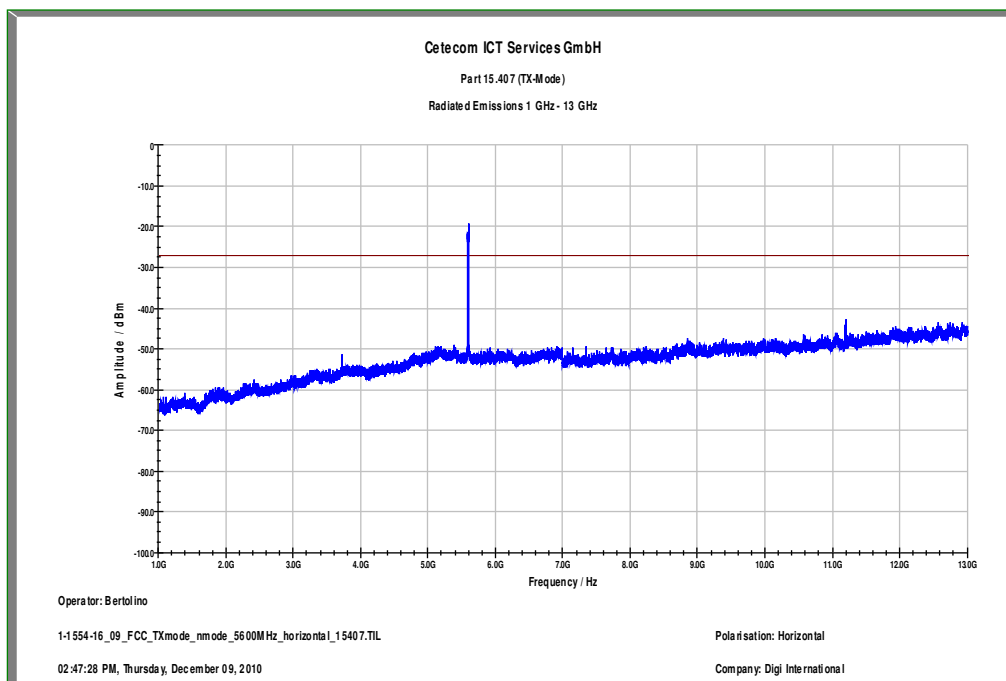
Date: 14.DEC.2010 11:17:06



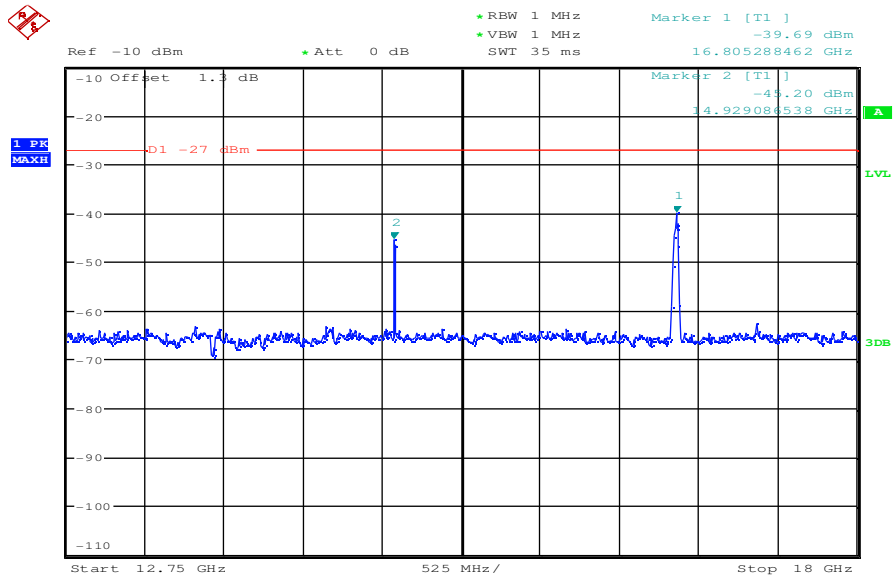
**Plot 18:** middle channel; power index 26; 1 GHz to 13 GHz – vertical polarization, Part 15.407



**Plot 19:** middle channel; power index 26; 1 GHz to 13 GHz – horizontal polarization, Part 15.407

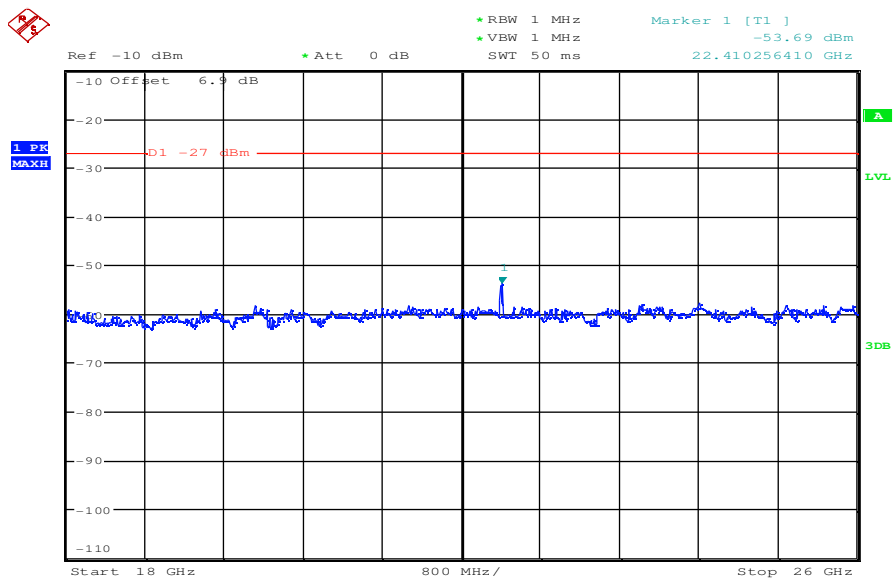


Plot 20: middle channel; power index 26; 12.75 GHz to 18 GHz – vertical & horizontal polarization, Part 15.407



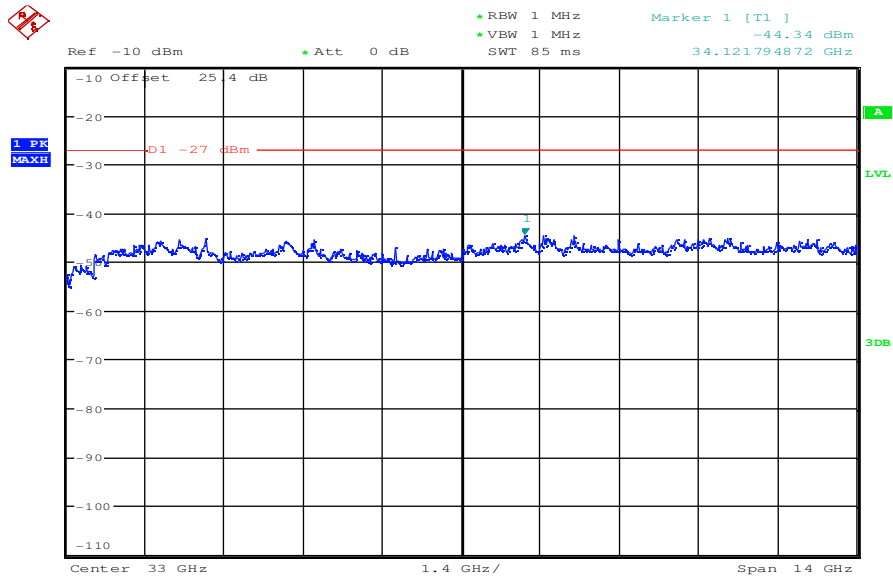
Date: 14.DEC.2010 07:41:13

Plot 21: middle channel; power index 26; 18 GHz to 26 GHz – vertical & horizontal polarization, Part 15.407



Date: 14.DEC.2010 08:07:09

Plot 22: middle channel; power index 26; 26 GHz to 40 GHz – vertical & horizontal polarization, Part 15.407



Date: 14.DEC.2010 08:48:57

**Plot 23:** highest channel; power index 26; 30 MHz to 1 GHz – vertical & horizontal polarization, Part 15.209

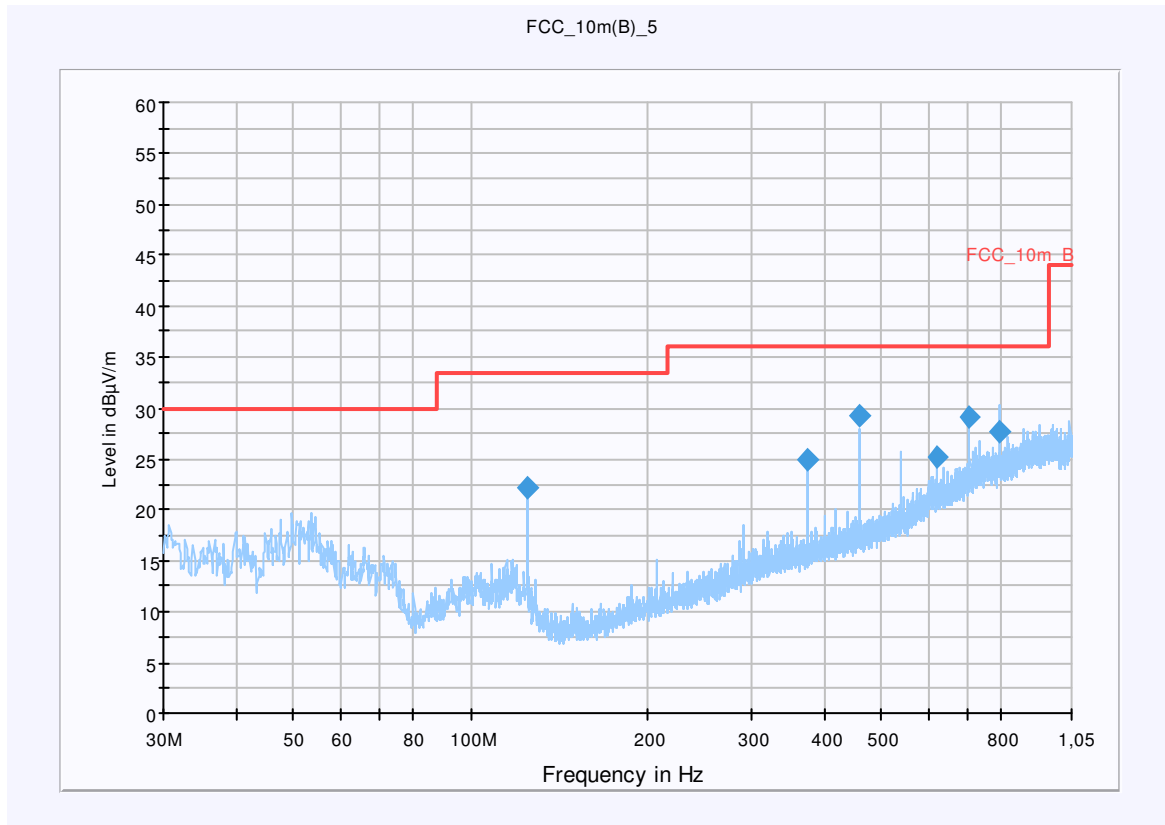
**Common Information**

EUT: i.MX51  
 Serial Number: Proto  
 Test Description: FCC part 15  
 Operating Conditions: Tx, 5700 MHz, CH 140, mcs 7, n mode, power index 26  
 Operator Name: Merten  
 Comment: DC powered via development board

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

Hardware Setup: Electric Field (NOS)  
 Level Unit: dBµV/m

**Subrange**                      **Detectors**                      **IF Bandwidth**                      **Meas. Time**                      **Receiver**  
 30 MHz - 1,05 GHz              QuasiPeak                      120 kHz                      15 s                      Receiver



**Final Result 1**

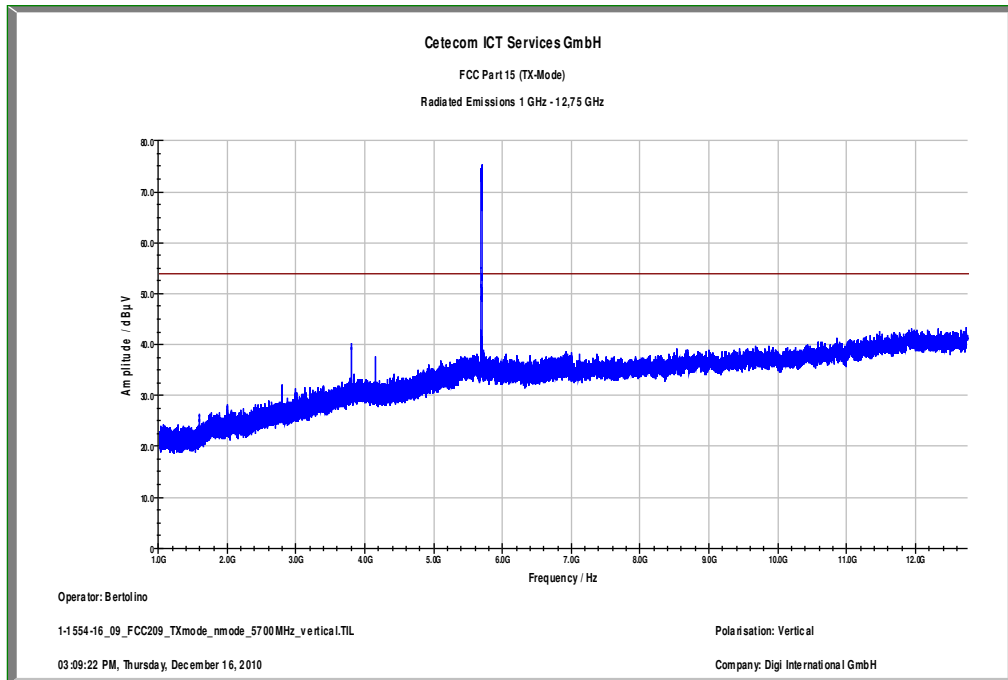
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height (cm)	Polarity	Turntable position (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Comment
124.680000	22.2	15000.000	120.000	118.0	V	250.0	9.8	11.3	33.5	
374.040000	25.0	15000.000	120.000	218.0	H	-2.0	16.5	11.0	36.0	
457.200000	29.4	15000.000	120.000	203.0	H	170.0	17.8	6.6	36.0	
623.400000	25.2	15000.000	120.000	156.0	H	36.0	20.9	10.8	36.0	
706.560000	29.1	15000.000	120.000	98.0	H	147.0	22.7	6.9	36.0	
789.720000	27.7	15000.000	120.000	98.0	H	342.0	23.8	8.3	36.0	

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

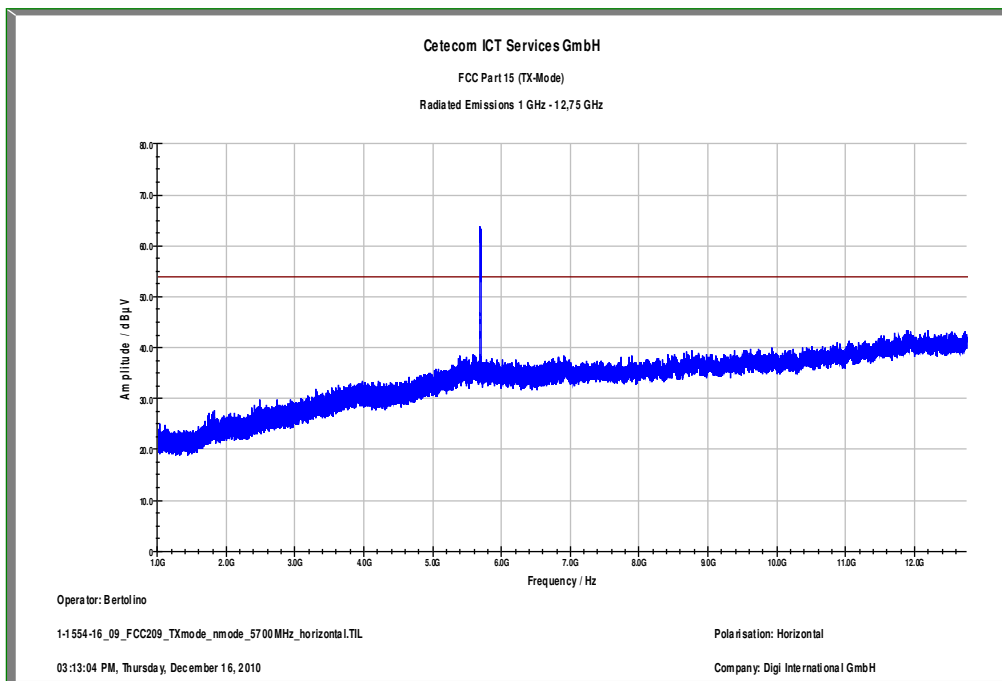
Subrange 1	
Frequency Range:	30 MHz - 2 GHz
Receiver:	Receiver [ESCI 3] @ GPIB0 (ADR 20), SN 100083/003, FW 4.32
Signal Path:	without Notch FW 1.0
Antenna:	VULB 9163 SN 9163-295, FW --- Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table: Cable_EN_1GHz (0909)
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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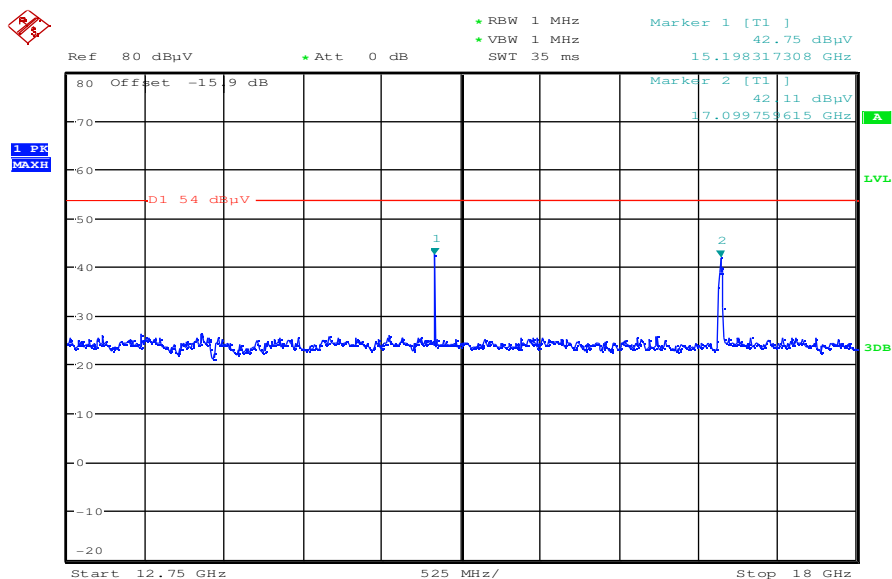
**Plot 24:** highest channel; power index 26; 1 GHz to 12.75 GHz – vertical polarization, Part 15.209



Plot 25: highest channel; power index 26; 1 GHz to 12.75 GHz – horizontal polarization, Part 15.209

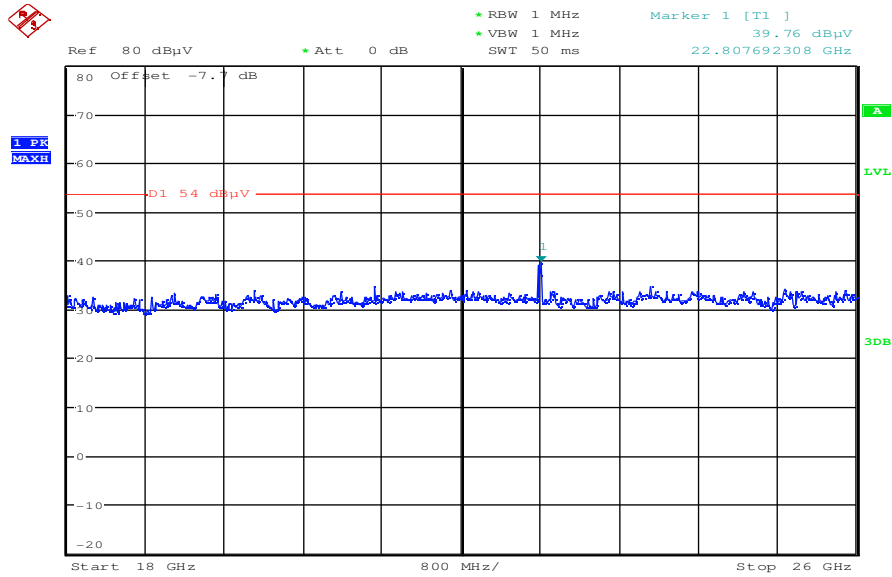


Plot 26: highest channel; power index 26; 12.75 GHz to 18 GHz – vertical & horizontal polarization, Part 15.209



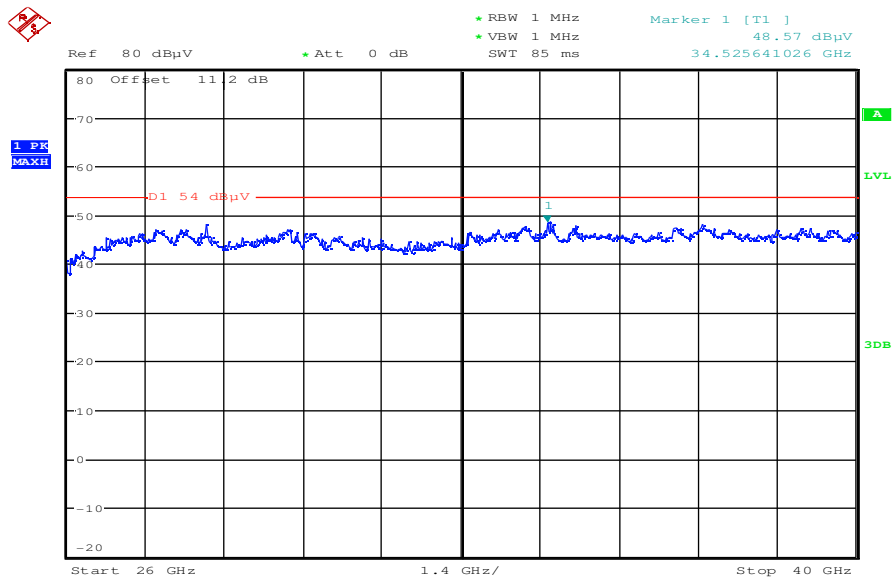
Date: 14.DEC.2010 10:27:57

Plot 27: highest channel; power index 26; 18 GHz to 26 GHz – vertical & horizontal polarization, Part 15.209



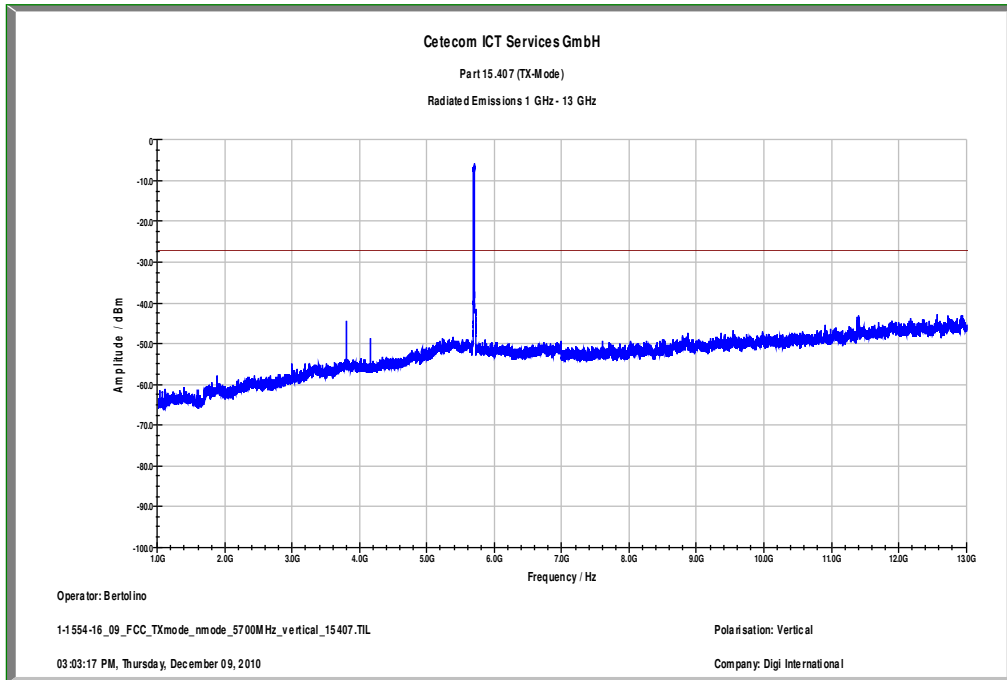
Date: 14.DEC.2010 11:01:35

Plot 28: highest channel; power index 26; 26 GHz to 40 GHz – vertical & horizontal polarization, Part 15.209

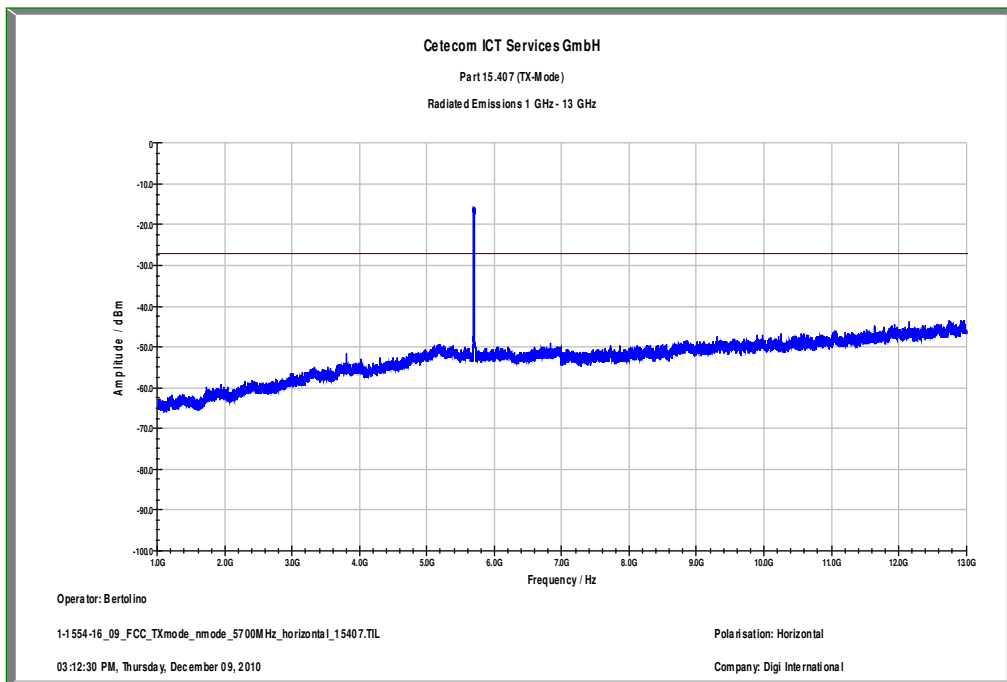


Date: 14.DEC.2010 11:17:48

**Plot 29:** highest channel; power index 26; 1 GHz to 13 GHz – vertical polarization, Part 15.407

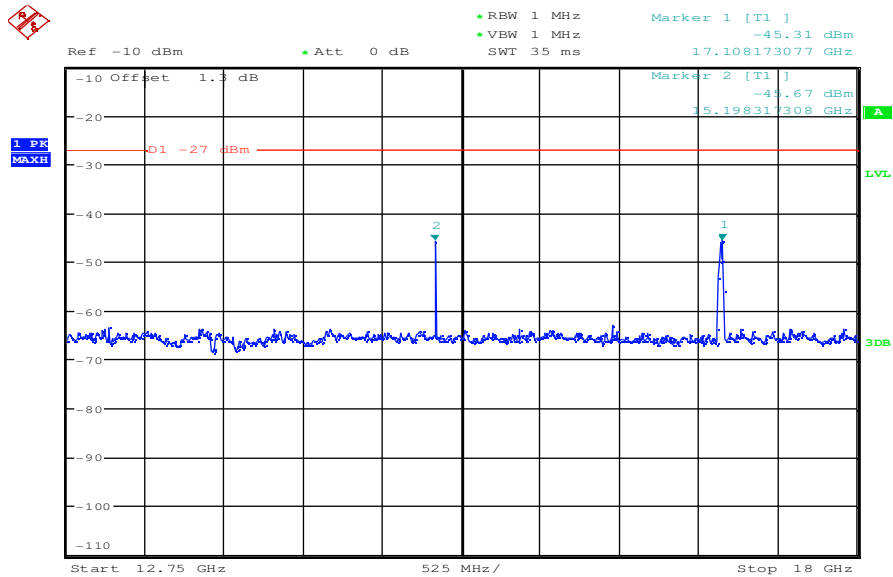


**Plot 30:** highest channel; power index 26; 1 GHz to 13 GHz – horizontal polarization, Part 15.407



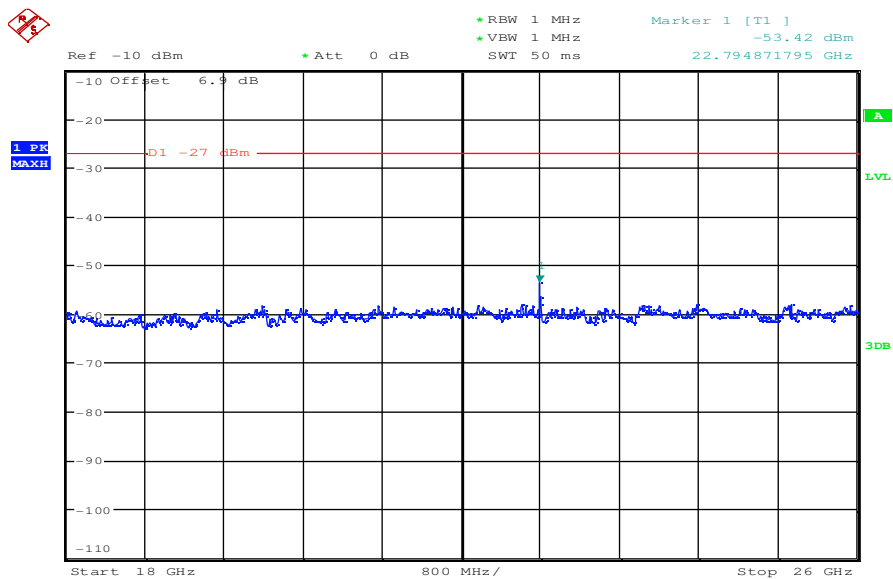


Plot 31: highest channel; power index 26; 12.75 GHz to 18 GHz – vertical & horizontal polarization, Part 15.407



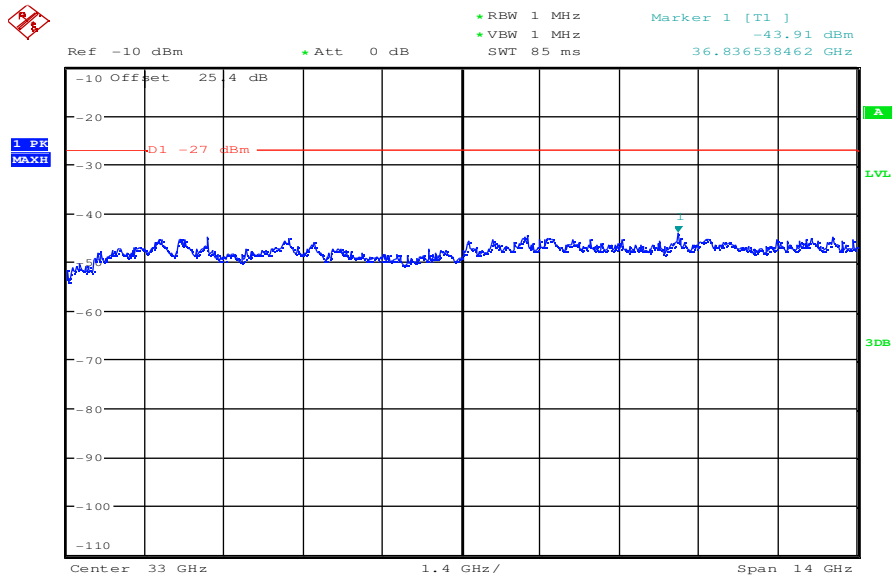
Date: 14.DEC.2010 07:42:06

Plot 32: highest channel; power index 26; 18 GHz to 26 GHz – vertical & horizontal polarization, Part 15.407



Date: 14.DEC.2010 08:07:56

Plot 33: highest channel; power index 26; 26 GHz to 40 GHz – vertical & horizontal polarization, Part 15.407



Date: 14.DEC.2010 08:49:42

## 9.2 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 25 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 (dB $\mu$ V/m)	Measurement distance	
30 - 88	30.0	10	
88 – 216	33.5	10	
216 – 960	36.0	10	
Above 960	54.0	3	

### Result: Also see plots

RX Spurious Emissions Radiated [dB $\mu$ V/m]		
F [MHz]	Detector	Level [dB $\mu$ V/m]
For emissions below 1 GHz – please take a look at the table below the 1 GHz plot.		
4160.0 MHz	1 MHz / 10 Hz PP	43.06 dB $\mu$ V/m vertical 38.26 dB $\mu$ V/m horizontal
-/-	-/-	-/-
For emissions above 13 GHz – please take a look at the plots.		
Measurement uncertainty	± 3 dB	

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

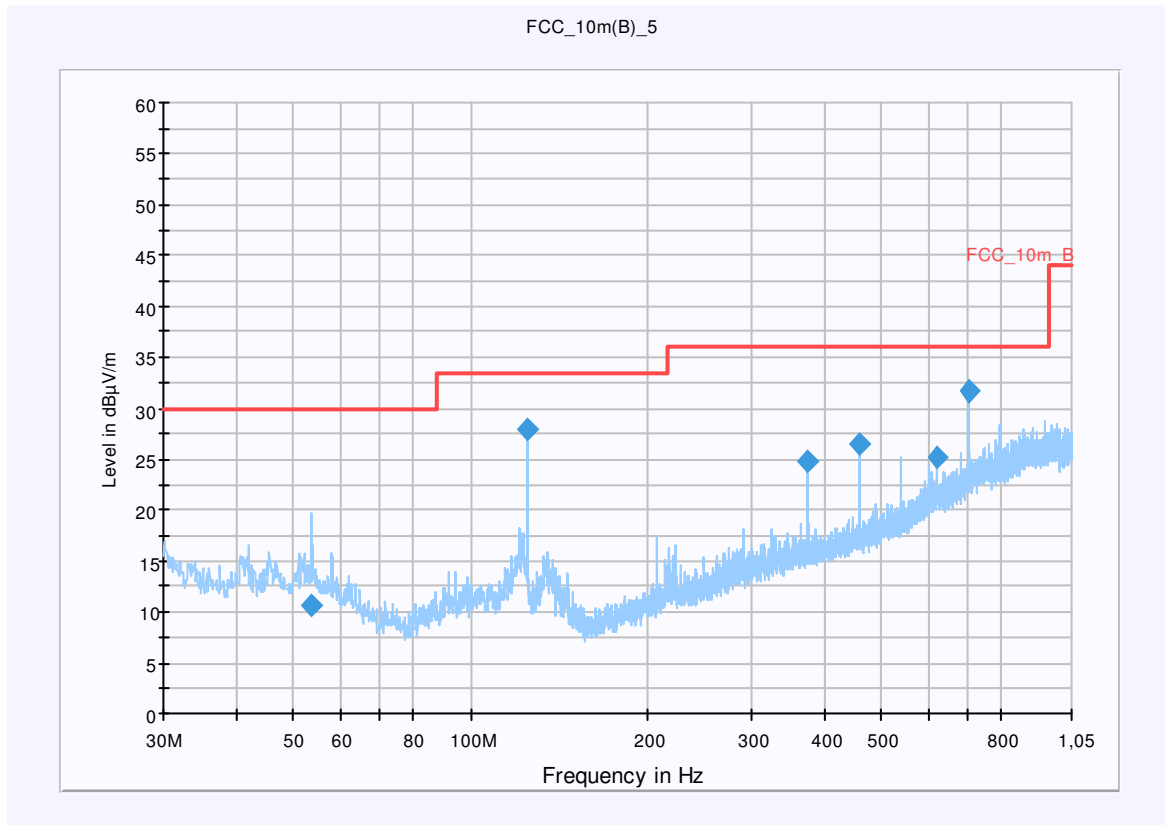
**Plot 1: 30 MHz to 1 GHz – vertical & horizontal polarization, Part 15.209**

**Common Information**

EUT: i.MX51  
 Serial Number: Prototype  
 Test Description: FCC part 15 C @ 10 m  
 Operating Conditions: Idle mode  
 Operator Name: Merten  
 Comment: 115 V / 60 Hz

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

Hardware Setup: Electric Field (NOS)  
 Level Unit: dB $\mu$ V/m  
**Subrange**                      **Detectors**                      **IF Bandwidth**                      **Meas. Time**                      **Receiver**  
 30 MHz - 1,05 GHz              QuasiPeak                      120 kHz                      15 s                      Receiver



**Final Result 1**

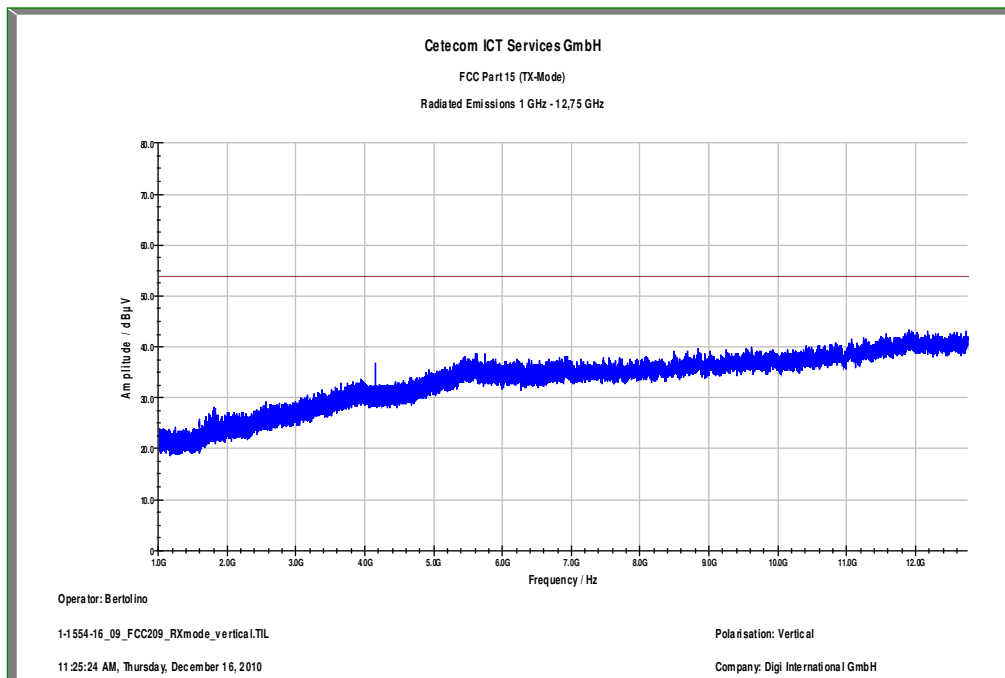
Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height (cm)	Polarity	Turntable position (deg)	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)	Comment
53.640000	10.7	15000.000	120.000	270.0	V	-2.0	13.0	19.3	30.0	
124.680000	27.9	15000.000	120.000	119.0	V	220.0	9.8	5.6	33.5	
374.040000	24.7	15000.000	120.000	251.0	H	339.0	16.5	11.3	36.0	
457.200000	26.6	15000.000	120.000	165.0	H	-2.0	17.8	9.4	36.0	
623.400000	25.1	15000.000	120.000	110.0	H	201.0	20.9	10.9	36.0	
706.560000	31.7	15000.000	120.000	98.0	H	352.0	22.7	4.3	36.0	

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

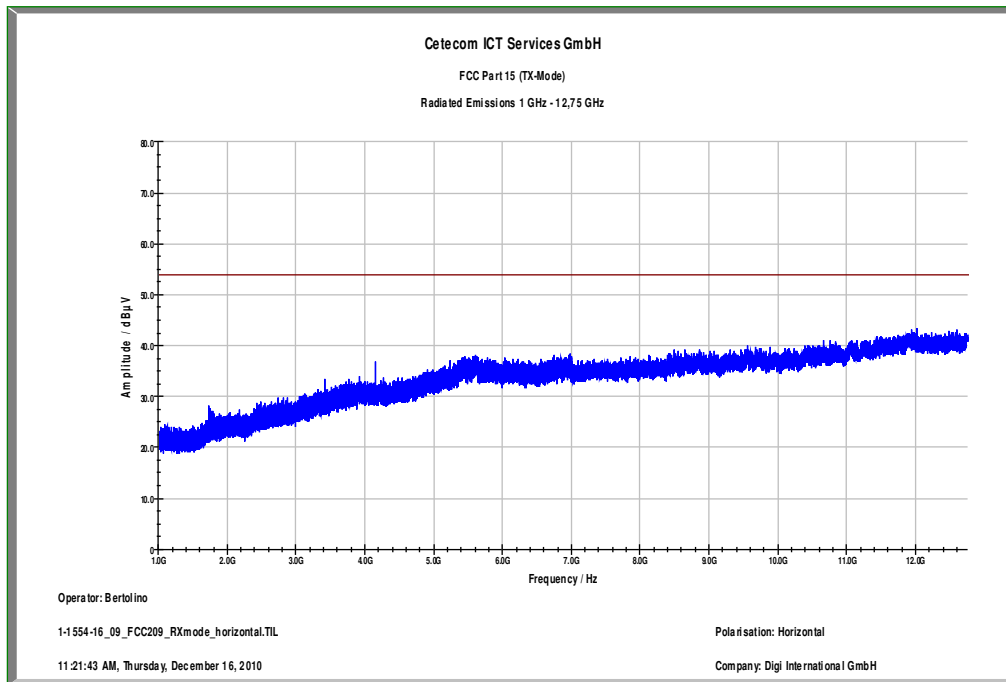
Subrange 1	
Frequency Range:	30 MHz - 2 GHz
Receiver:	Receiver [ESCI 3] @ GPIB0 (ADR 20), SN 100083/003, FW 4.32
Signal Path:	without Notch FW 1.0
Antenna:	VULB 9163 SN 9163-295, FW --- Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table: Cable_EN_1GHz (0909)
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

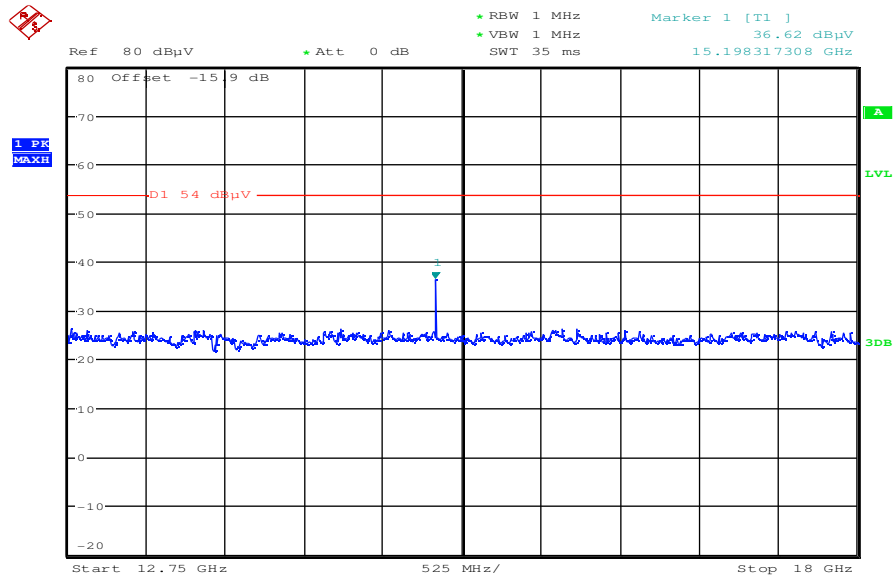
**Plot 2: 1 GHz to 12.75 GHz – vertical polarization, Part 15.209**



Plot 3: 1 GHz to 12.75 GHz – horizontal polarization, Part 15.209

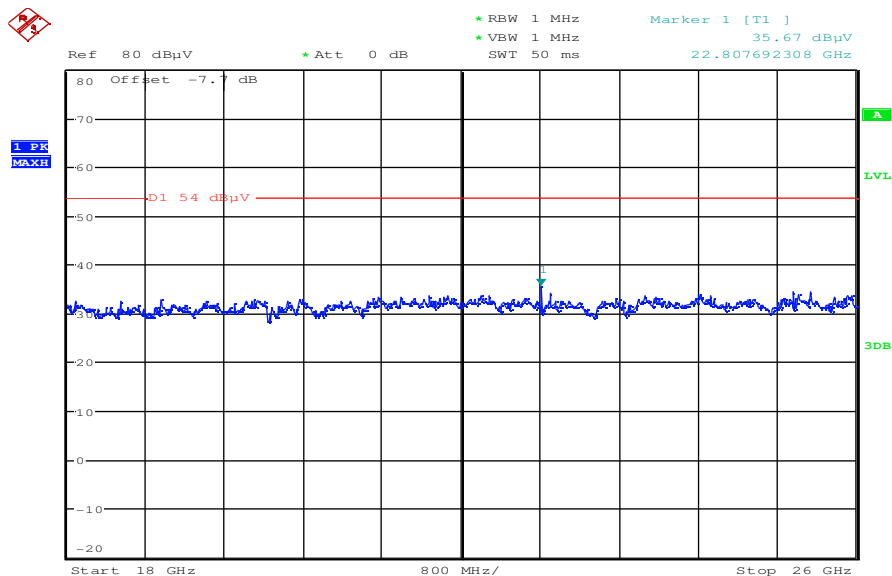


Plot 4: 12.75 GHz to 18 GHz – vertical & horizontal polarization, Part 15.209



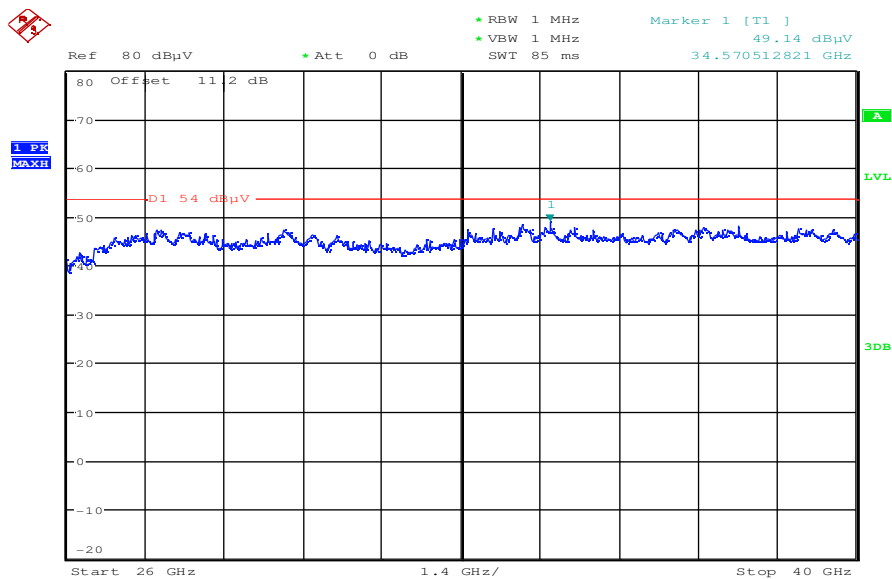
Date: 14.DEC.2010 10:28:50

Plot 5: 18 GHz to 26 GHz – vertical & horizontal polarization, Part 15.209



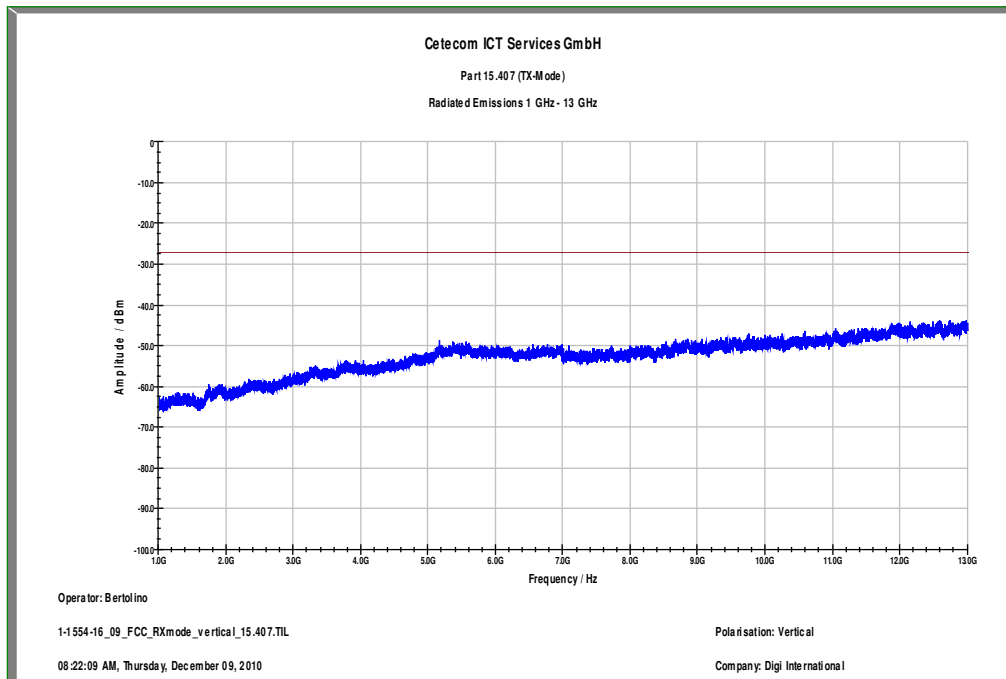
Date: 14.DEC.2010 10:47:17

Plot 6: 26 GHz to 40 GHz – vertical & horizontal polarization, Part 15.209

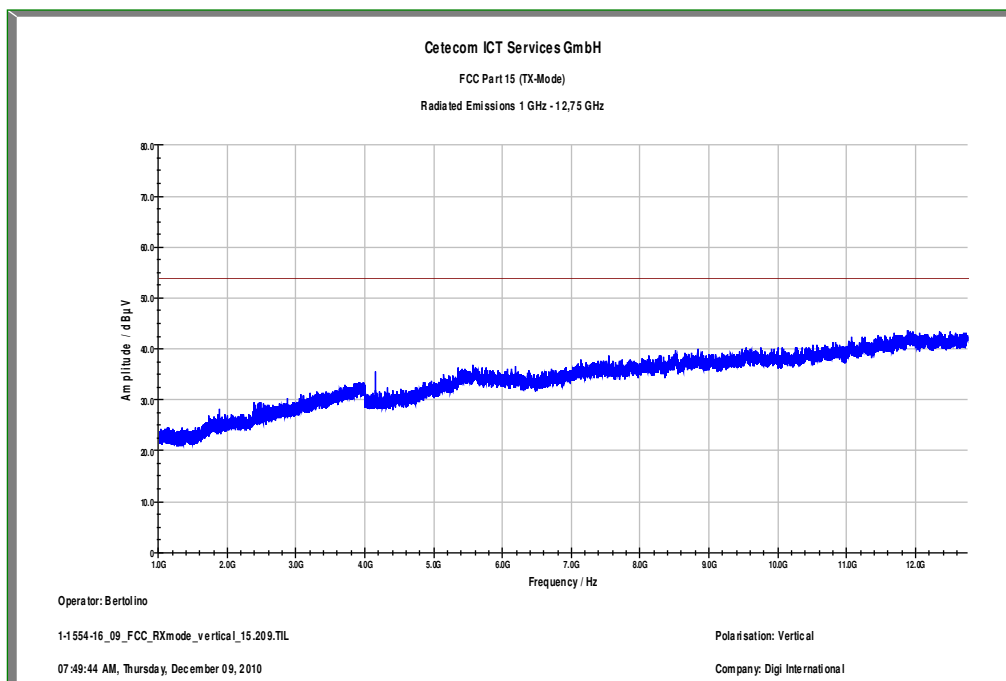


Date: 14.DEC.2010 11:18:26

Plot 7: 1 GHz to 13 GHz – vertical polarization, Part 15.407

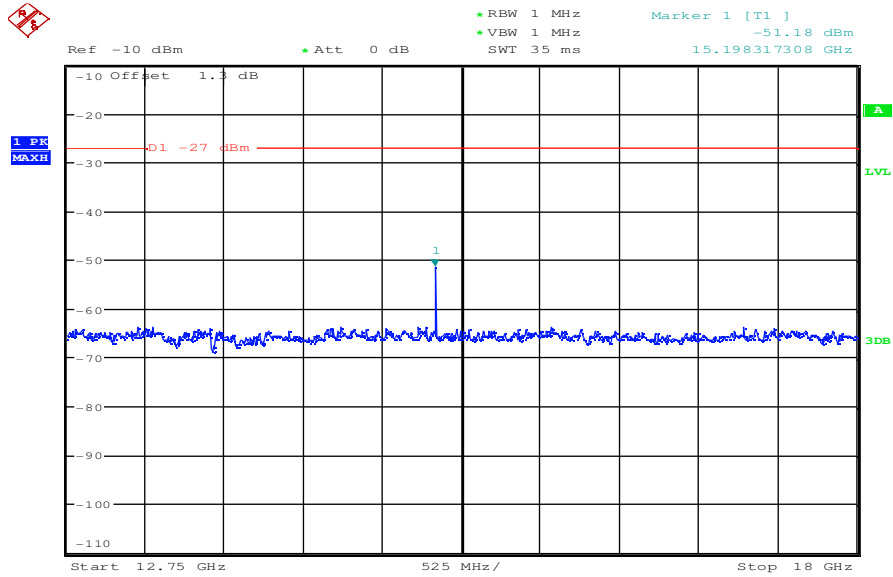


Plot 8: 1 GHz to 13 GHz – horizontal polarization, Part 15.407



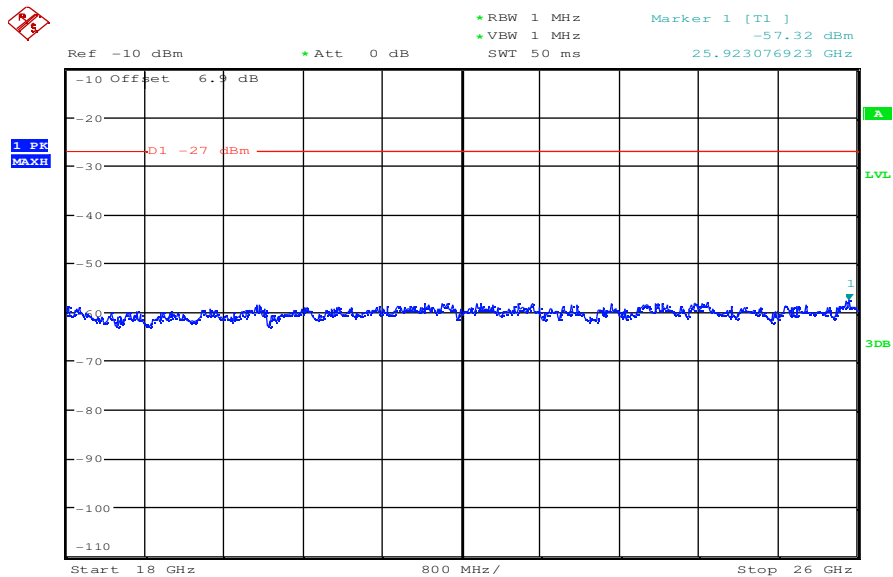


Plot 9: 12.75 GHz to 18 GHz – vertical & horizontal polarization, Part 15.407



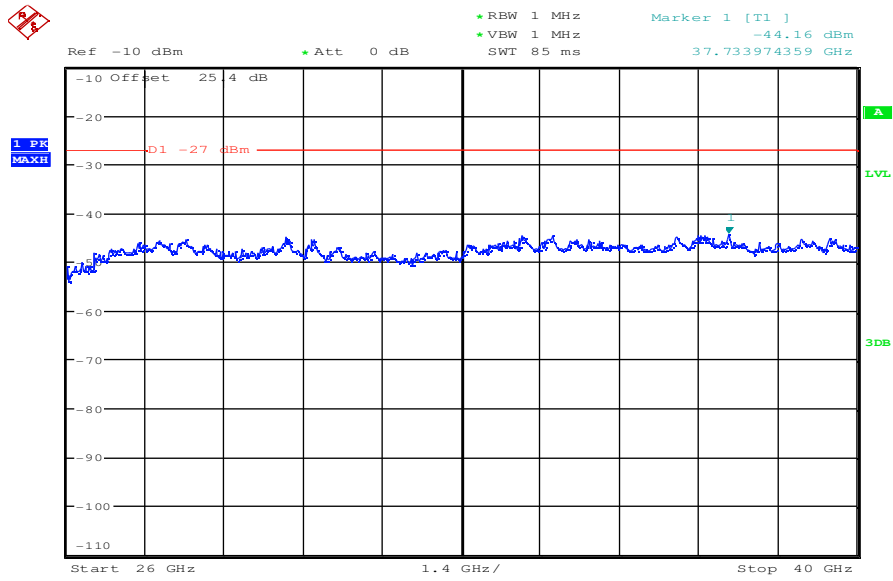
Date: 14.DEC.2010 07:43:40

Plot 10: 18 GHz to 26 GHz – vertical & horizontal polarization, Part 15.407



Date: 14.DEC.2010 07:51:39

Plot 11: 26 GHz to 40 GHz – vertical & horizontal polarization, Part 15.407



Date: 14.DEC.2010 08:50:34

### 9.3 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:

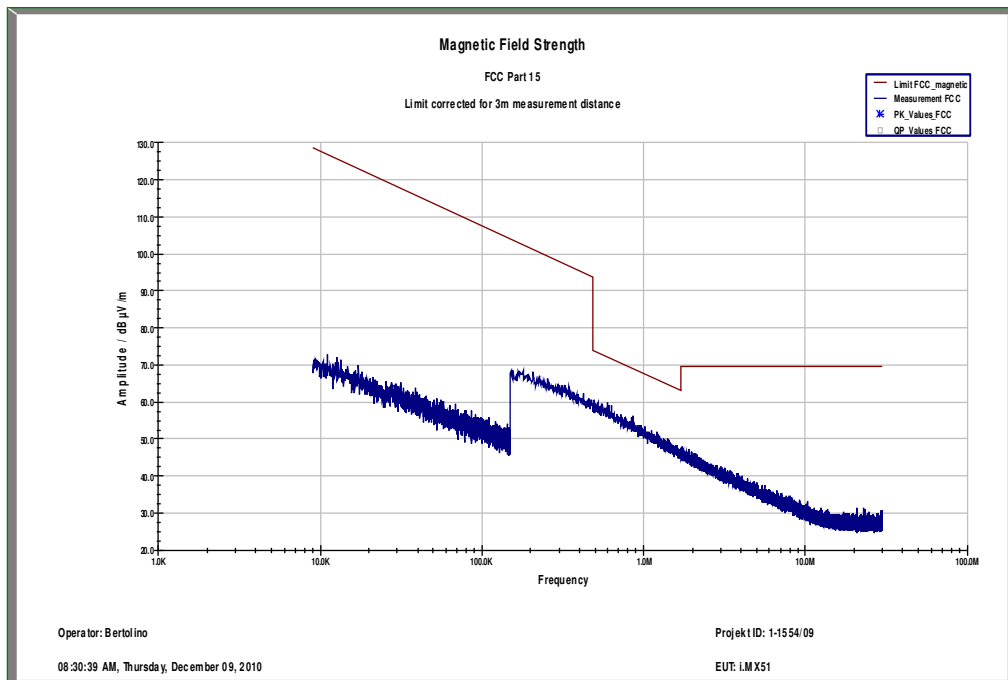
FCC		IC	
CFR Part 15.209(a)		RSS –Gen	
TX Spurious Emissions Radiated < 30 MHz			
Frequency (MHz)	Field Strength (dB $\mu$ V/m)	Measurement distance	
0.009 – 0.490	2400/F(kHz)	300	
0.490 – 1.705	24000/F(kHz)	30	
1.705 – 30.0	30	30	

**Result:** Also see plots

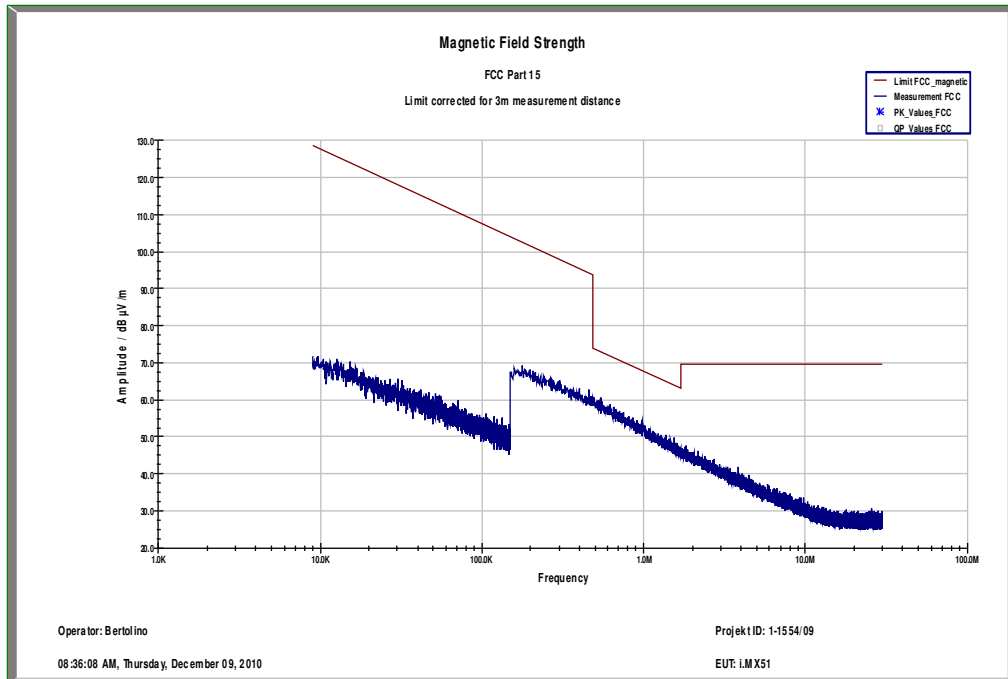
TX Spurious Emissions Radiated < 30 MHz [dBµV/m]		
F [MHz]	Detector	Level [dBµV/m]
No peaks found!		
Measurement uncertainty	± 3 dB	

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

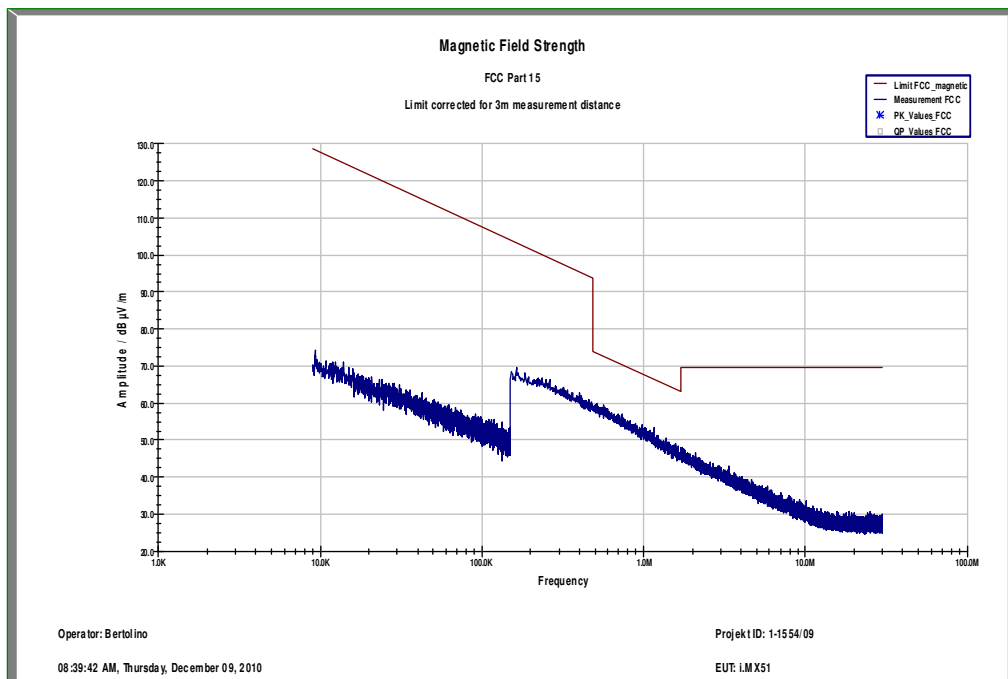
Plot 1: 9 kHz to 30 MHz, middle channel – band 1; 5200 MHz, a – mode; magnetic (valid for all channels)



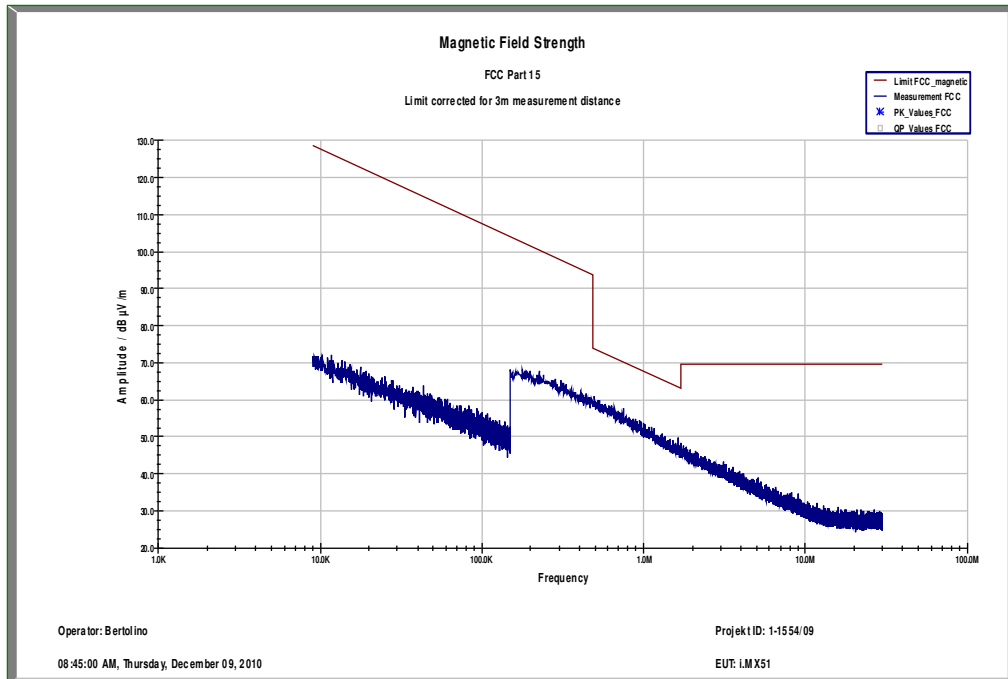
Plot 2: 9 kHz to 30 MHz, middle channel – band 1; 5200 MHz, n – mode; magnetic (valid for all channels)



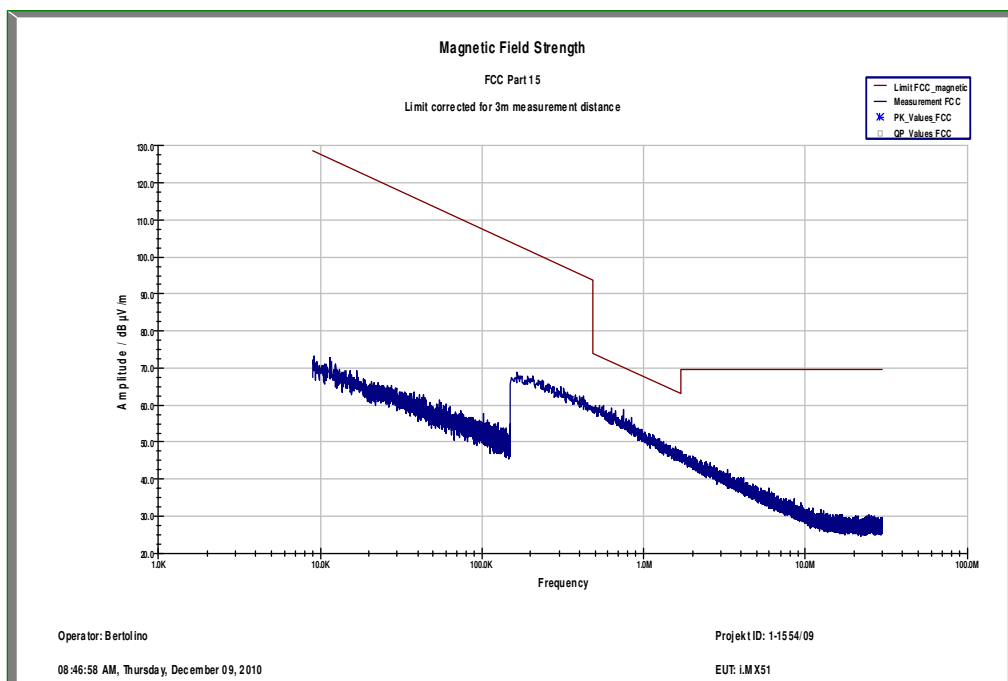
Plot 3: 9 kHz to 30 MHz, middle channel – band 2; 5280 MHz, a – mode; magnetic (valid for all channels)



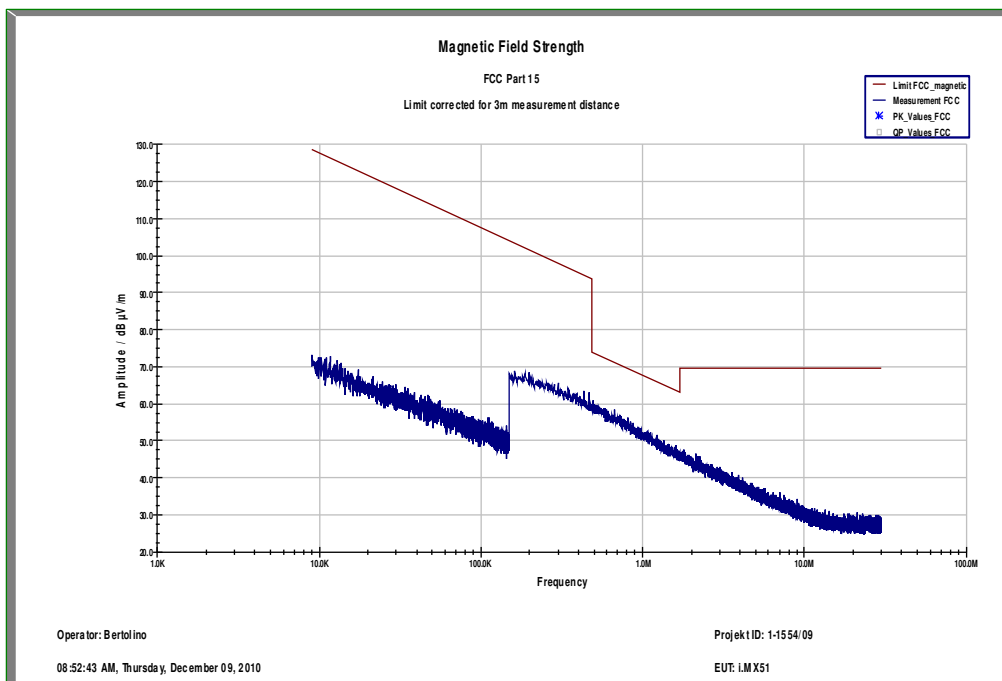
Plot 4: 9 kHz to 30 MHz, middle channel – band 2; 5280 MHz, n – mode; magnetic (valid for all channels)



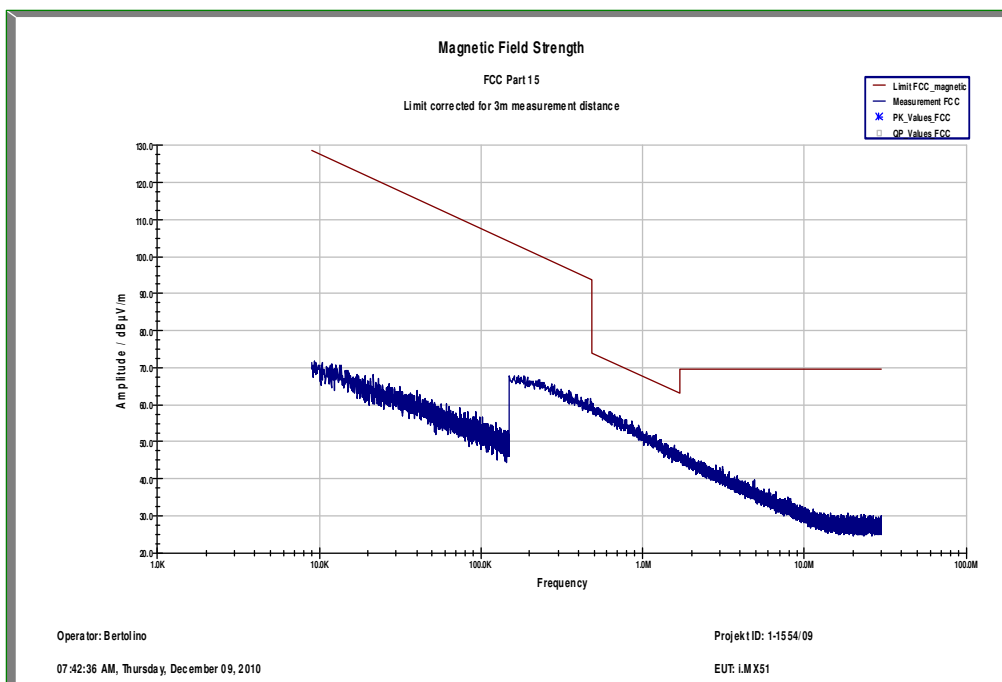
Plot 5: 9 kHz to 30 MHz, middle channel – band 3; 5600 MHz, a – mode; magnetic (valid for all channels)



Plot 6: 9 kHz to 30 MHz, middle channel – band 3; 5600 MHz, n – mode; magnetic (valid for all channels)



Plot 7: 9 kHz to 30 MHz, RX mode; magnetic



## 9.4 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 OFDM 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 (dB $\mu$ V/m)	Average (dB $\mu$ V/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

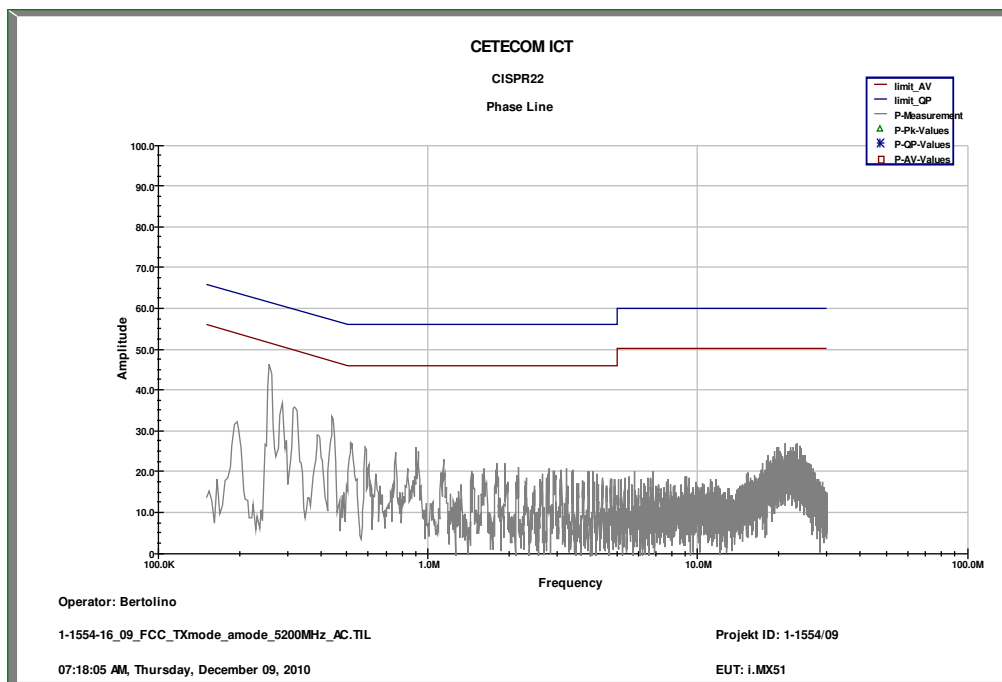


**Result:** Also see plots

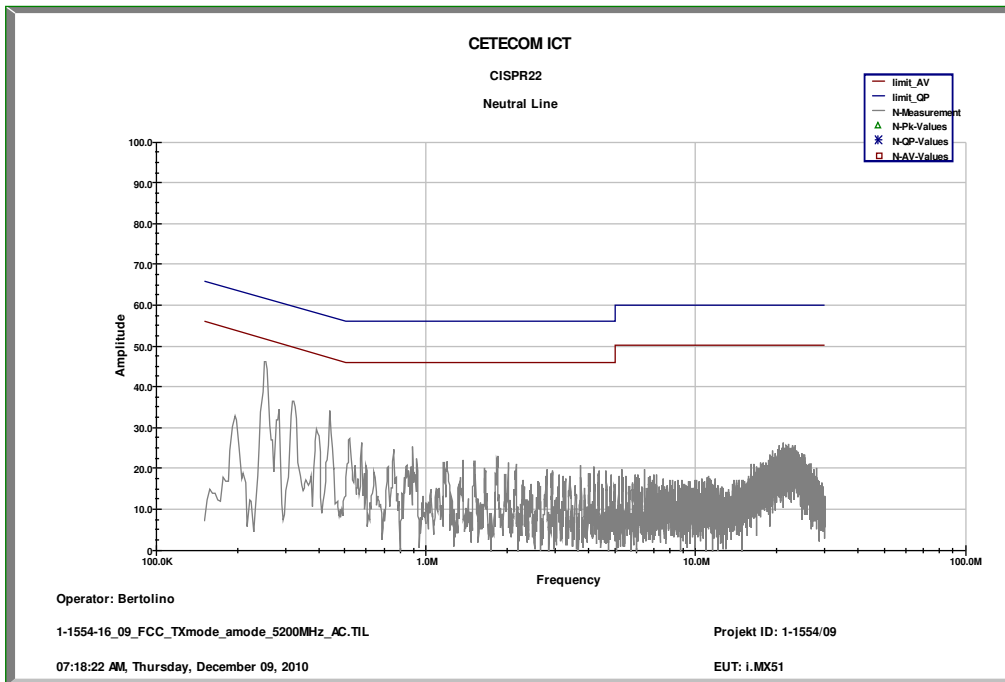
TX Spurious Emissions Conducted < 30 MHz [dBμV/m]		
F [MHz]	Detector	Level [dBμV/m]
Please take a look at the plots.		
Measurement uncertainty	± 3 dB	

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

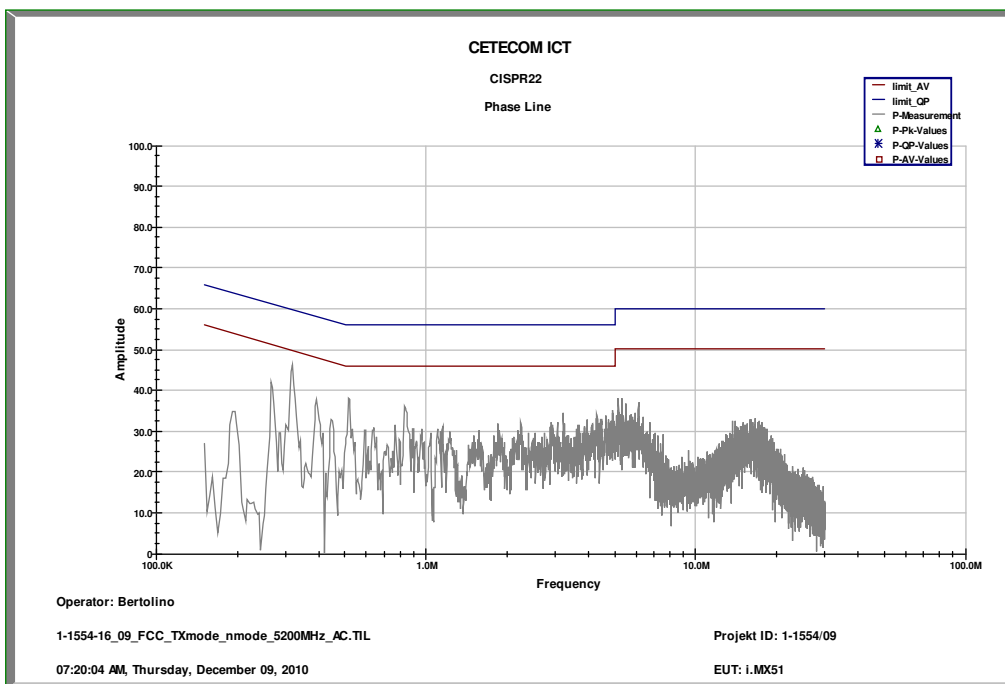
**Plot 1:** 9 kHz to 30 MHz, middle channel – band 1; 5200 MHz, a – mode; (valid for all channels); phase line



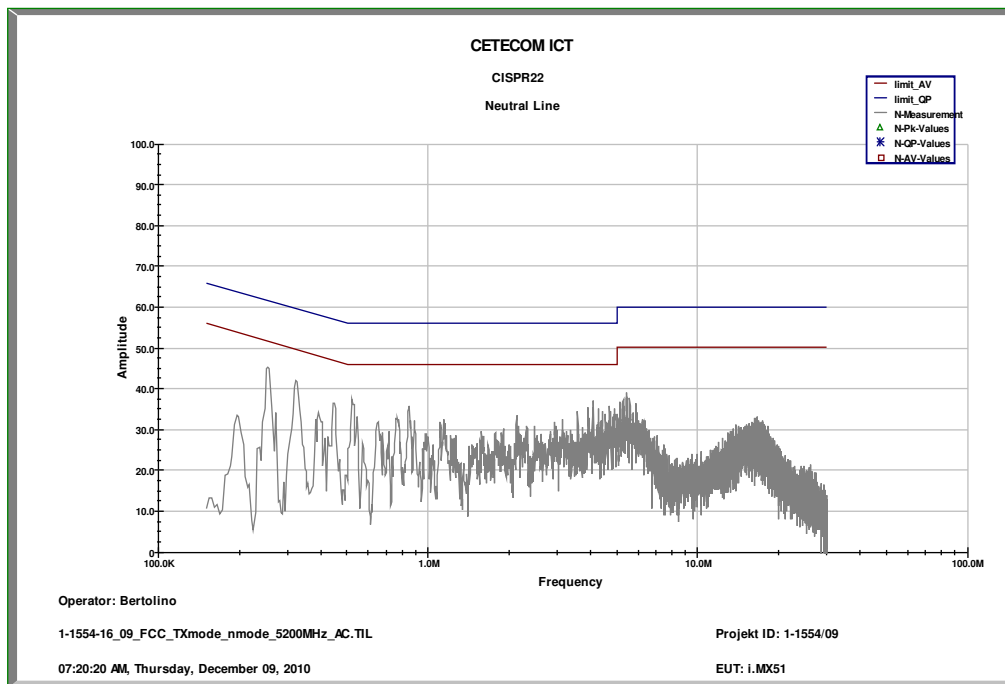
Plot 2: 9 kHz to 30 MHz, middle channel – band 1; 5200 MHz, a – mode; (valid for all channels); neutral line



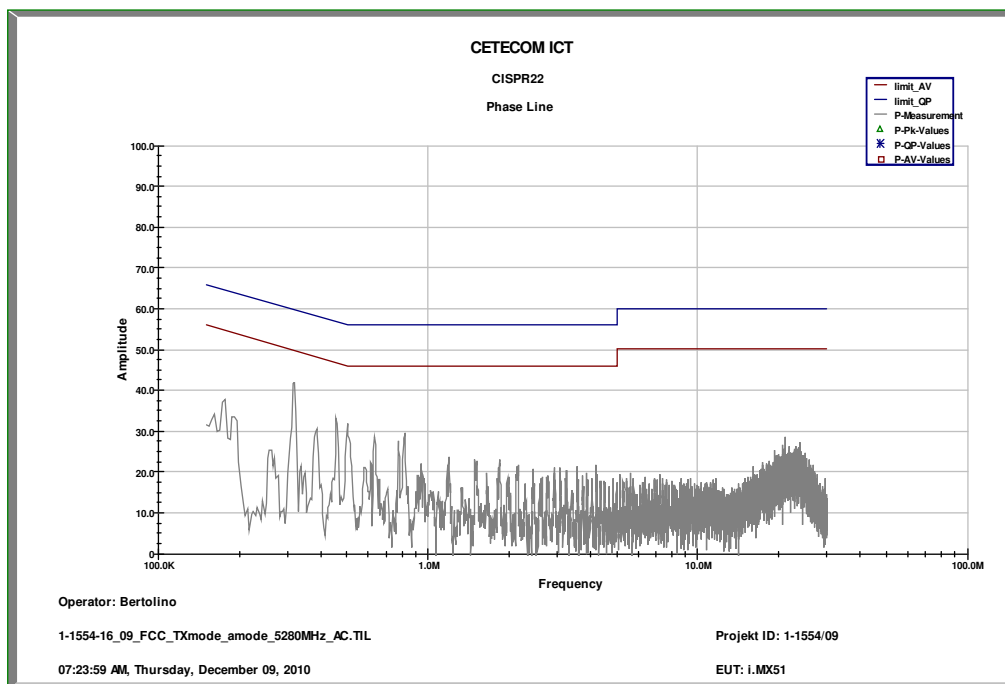
Plot 3: 9 kHz to 30 MHz, middle channel – band 1; 5200 MHz, n – mode; (valid for all channels); phase line



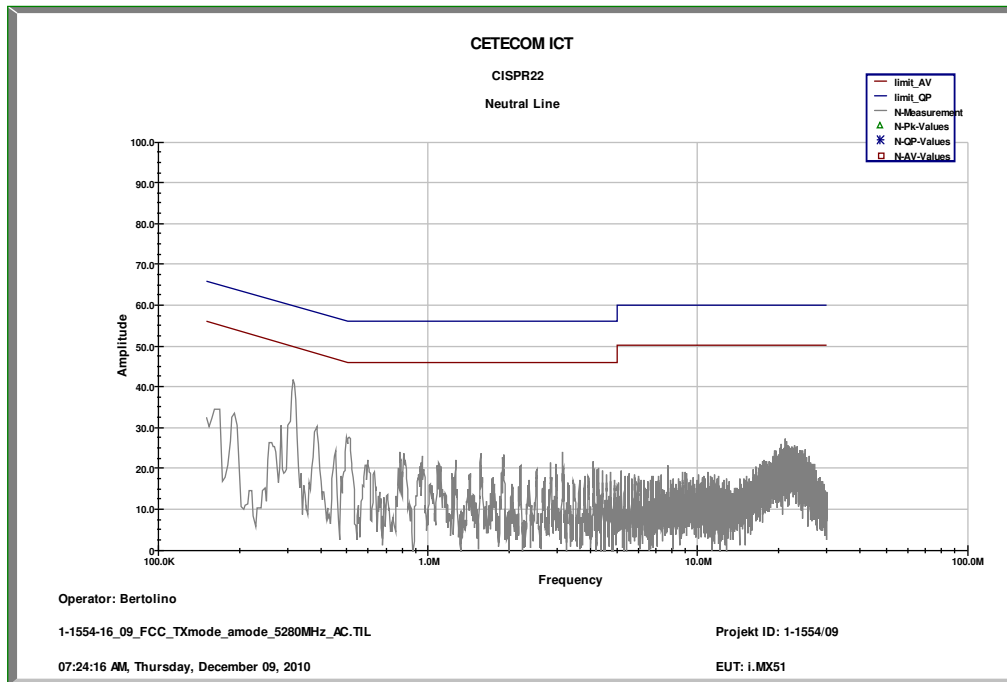
Plot 4: 9 kHz to 30 MHz, middle channel – band 1; 5200 MHz, n – mode; (valid for all channels); neutral line



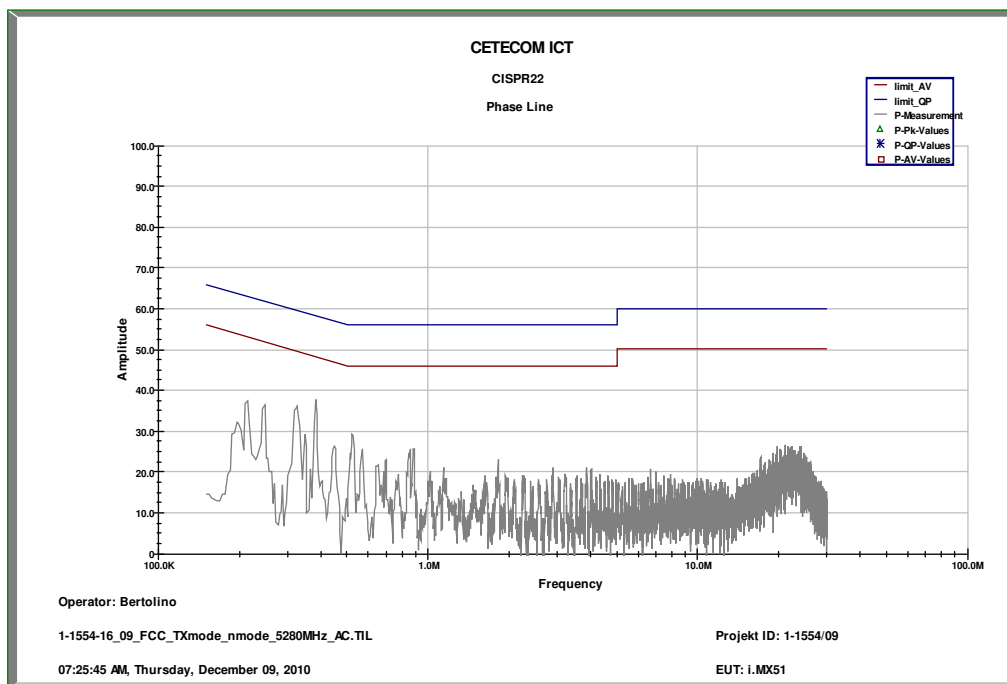
Plot 5: 9 kHz to 30 MHz, middle channel – band 2; 5280 MHz, a – mode; (valid for all channels); phase line



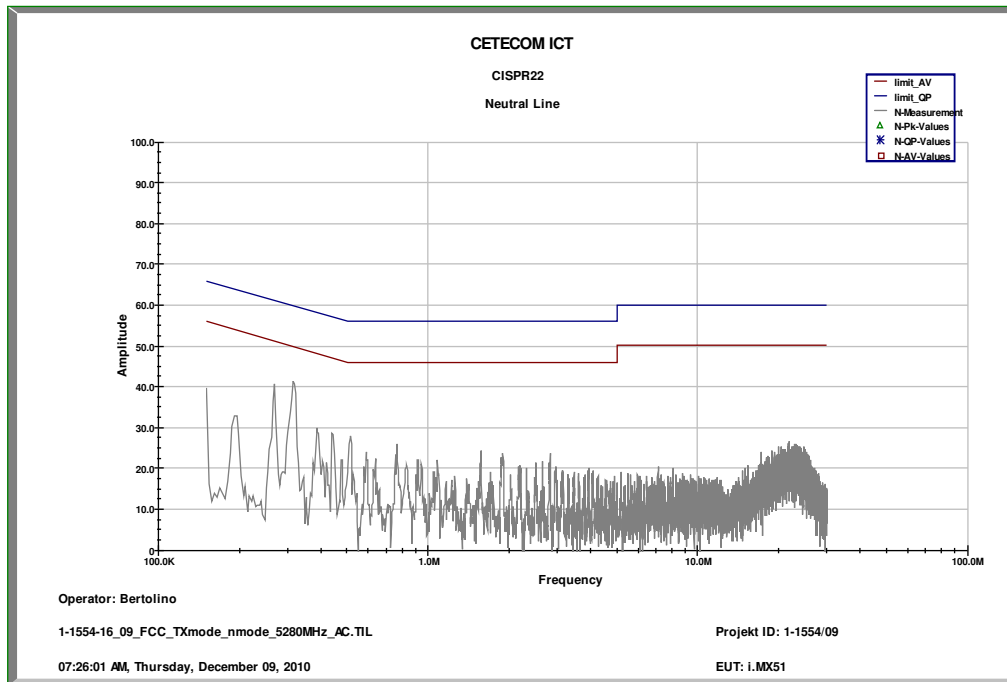
Plot 6: 9 kHz to 30 MHz, middle channel – band 2; 5280 MHz, a – mode; (valid for all channels); neutral line



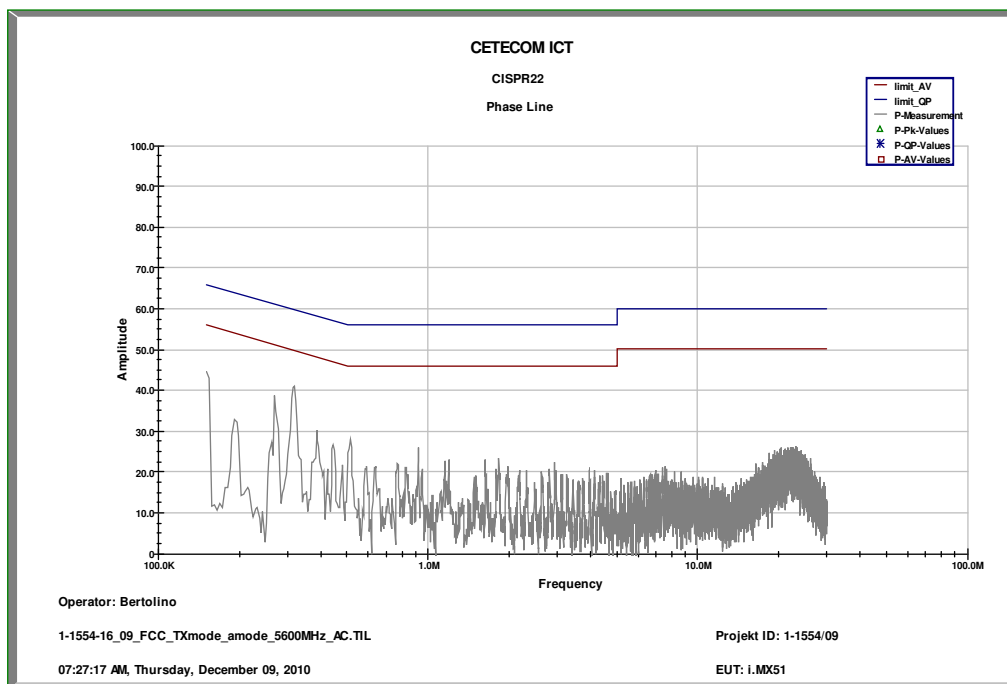
Plot 7: 9 kHz to 30 MHz, middle channel – band 2; 5280 MHz, n – mode; (valid for all channels); phase line



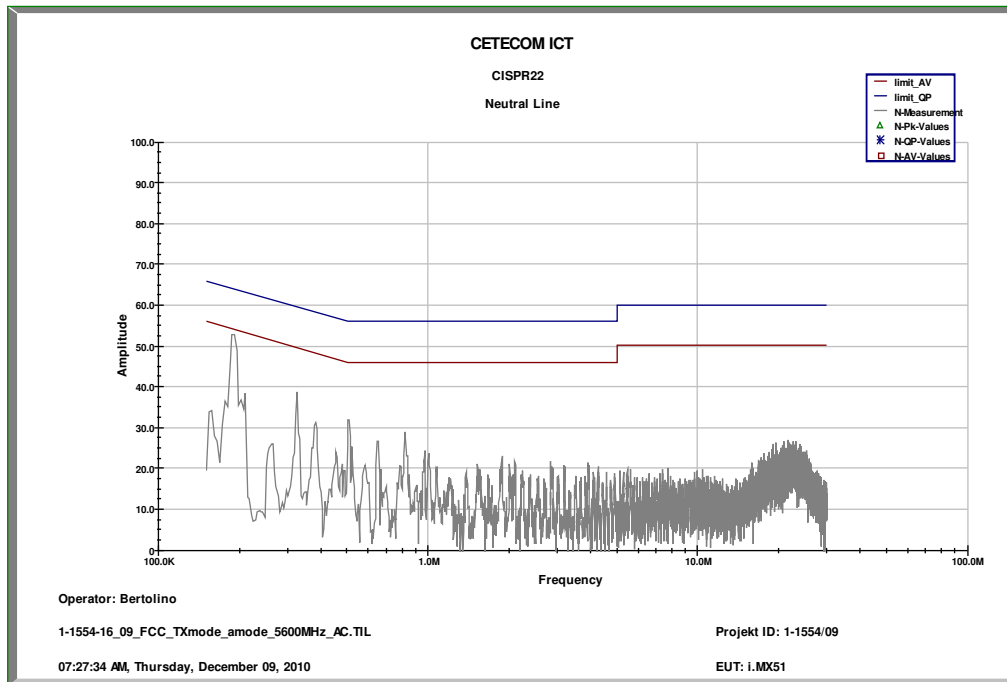
Plot 8: 9 kHz to 30 MHz, middle channel – band 2; 5280 MHz, n – mode; (valid for all channels); neutral line



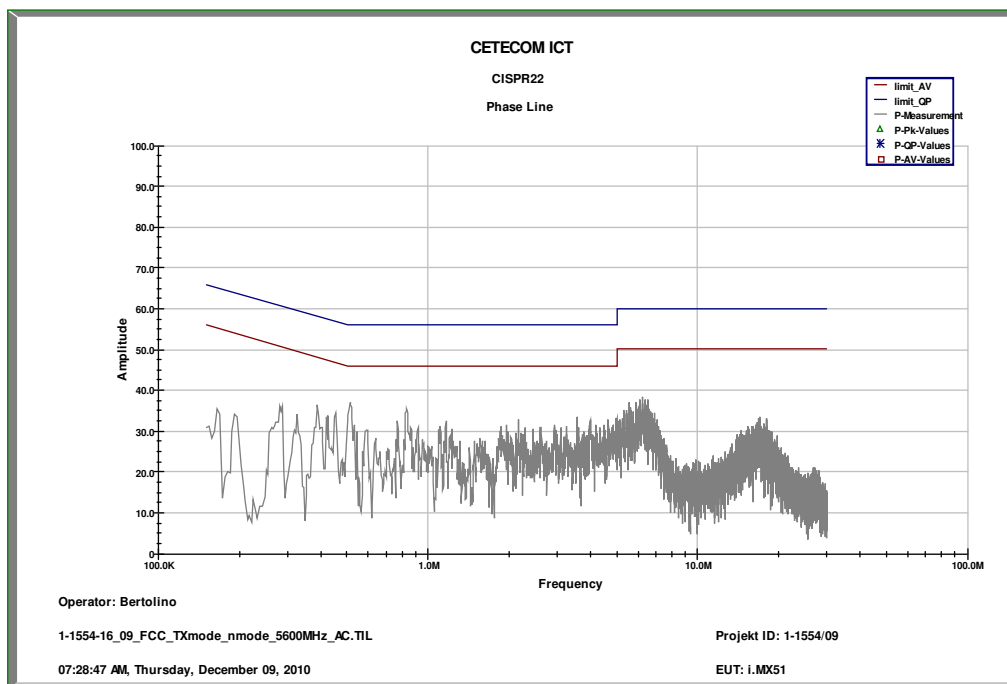
Plot 9: 9 kHz to 30 MHz, middle channel – band 3; 5600 MHz, a – mode; (valid for all channels); phase line



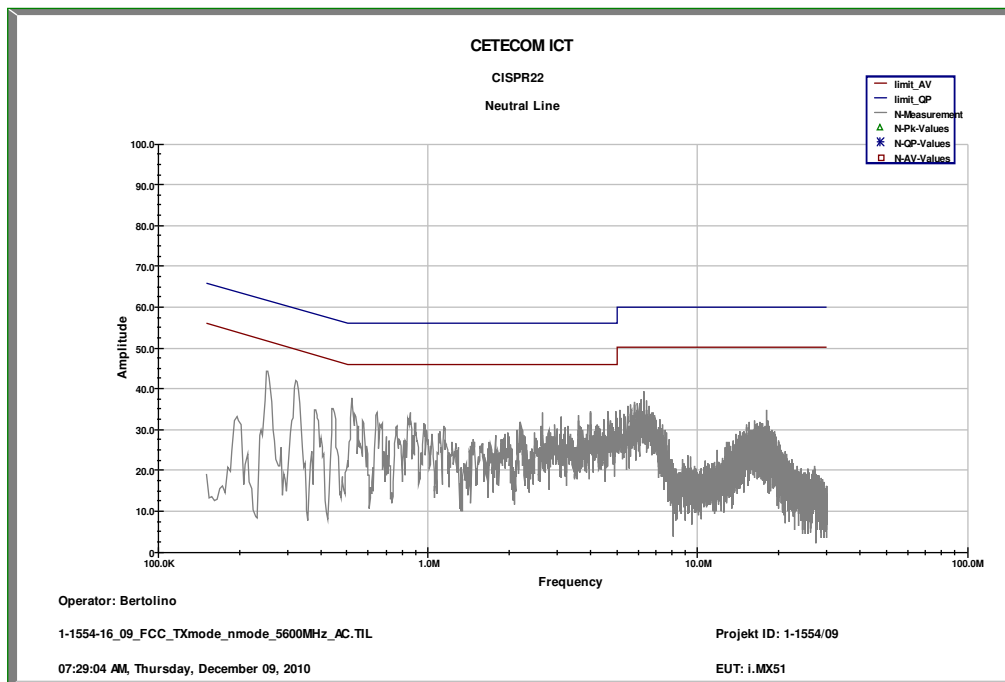
Plot 10: 9 kHz to 30 MHz, middle channel – band 3; 5600 MHz, a – mode; (valid for all channels); neutral line



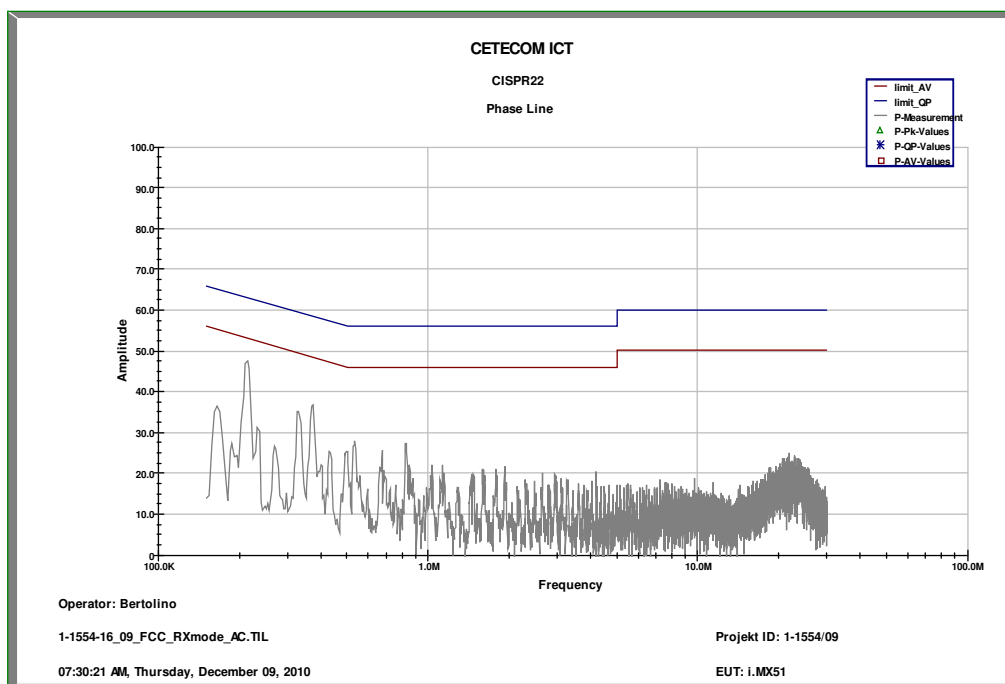
Plot 11: 9 kHz to 30 MHz, middle channel – band 3; 5600 MHz, n – mode; (valid for all channels); phase line



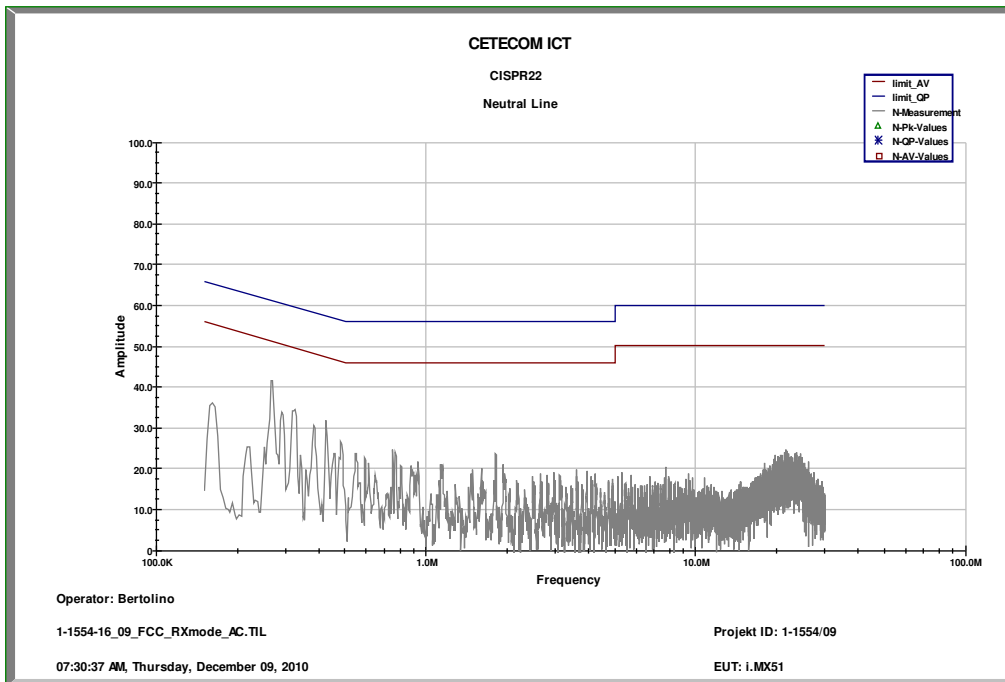
Plot 12: 9 kHz to 30 MHz, middle channel – band 3; 5600 MHz, n – mode; (valid for all channels); neutral line



Plot 13: 9 kHz to 30 MHz; RX mode; phase line



Plot 14: 9 kHz to 30 MHz; RX mode; 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.	Labor / 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	k	06.01.2009	06.01.2011
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	08.01.2010	08.01.2012
5	n. a.	Analyzer-Reference-System (Harmonics and Flicker)	ARS 16/1	SPS	A3509 07/0 0205	300003314	k	01.06.2009	01.06.2011
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	08.01.2010	08.01.2012
12	n. a.	PowerAttenuator	8325	Byrd	1530	300001595	ev		
13	n. a.	Double-Ridged Waveguide Horn Antenna 1-18.0GHz	3115	EMCO	8812-3088	300001032	viKI!	05.03.2009	05.03.2011
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	9	Artificial Mains 9 kHz to 30 MHz	ESH3-Z5	R&S	828576/020	300001210	Ve	06.01.2010	06.01.2012
17	n. a.	Relais Matrix	3488A	HP Meßtechnik	2719A15013	300001156	ne		
18	n. a.	Relais Matrix	PSU	R&S	890167/024	300001168	ne		
19	n. a.	Isolating Transformer	RT5A	Grundig	9242	300001263	ne		
20	n. a.	Three-Way Power Splitter, 50 Ohm	11850C	HP Meßtechnik		300000997	ne		
21	n. a.	Switch / Control Unit	3488A	HP	2605e08770	300001443	ne		
22	n. a.	Amplifier	js42-00502650-28-5a	Parzich GMBH	928979	300003143	ne		
23	n. a.	TILE-Software Emission	Quantum Change, Modell TILE-ICS/FULL	EMCO	none	300003451	ne		
24	n. a.	Highpass Filter	WHKX7.0/18G-8SS	Wainwright	18	300003789	ne		
25	n. a.	PSA Spectrum Analyzer 3 Hz - 26.5 GHz	E4440A	Agilent Technologies	MY48250080	300003812	k	08.09.2010	08.09.2012

26	n. a.	RF Filter Section 9kHz - 1GHz	N9039A	Agilent Technologies	MY48260003	300003825	vlk!	08.09.2010	08.09.2012
27	n. a.	TRILOG Broadband Test- Antenna 30 MHz - 3 GHz	VULB9163	Schwarzbeck	371	300003854	vlk!	17.12.2008	17.12.2011
28	CR 79	Std. Gain Horn Antenna 26.5- 40.0 GHz	V637	Narda	7911	300001751	ne		
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	n. a.	Power Supply	LA30/5GA	Zentro Elektronik	2046	300000711	NK!		
32	n. a.	Spectrum Analyzer 20 Hz - 50 GHz	FSU50	R&S	200012	300003443	ve	01.07.2010	01.07.2012
33	11b	Microwave System Amplifier, 0.5- 26.5 GHz; 25 dB gain	83017A	HP Meßtechnik	3123A00105	300002268	ev		

**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
vlk!	Attention: extended calibration interval	*)	next calibration ordered / currently in progress
NK!	Attention: not calibrated		