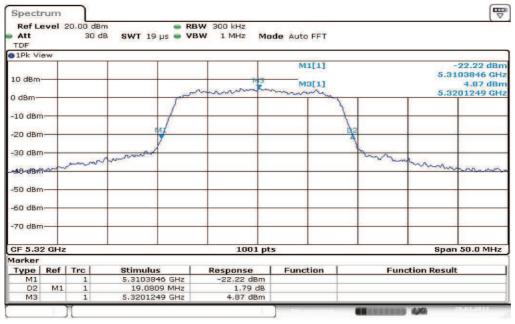
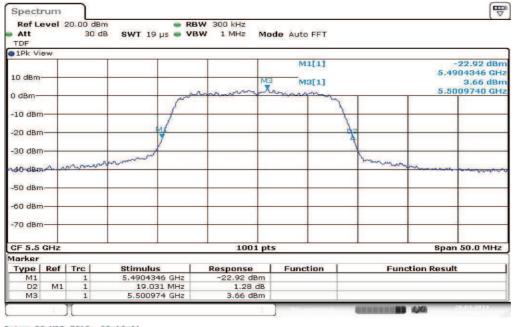


Plot 3: 5320 MHz



Date: 26.MAR.2013 08:04:32

Plot 4: 5500 MHz

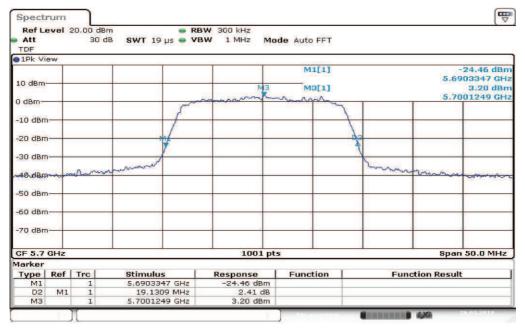


Date: 26.MAR.2013 08:10:11

2013-04-04 Page 52 of 126



# **Plot 5:** 5700 MHz



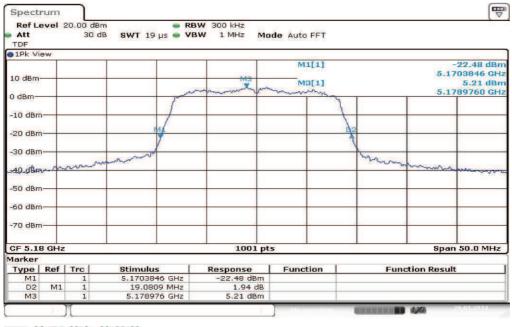
Date: 26.MAR.2013 08:17:31

2013-04-04 Page 53 of 126



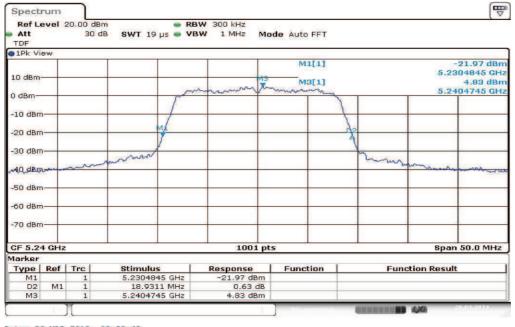
# Plots: OFDM / a - mode 24 Mbps

**Plot 1:** 5180 MHz



Date: 26.MAR.2013 08:24:30

Plot 2: 5240 MHz

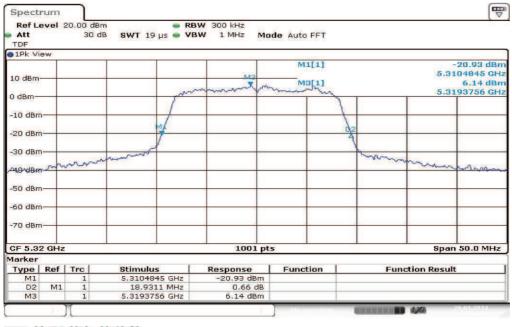


Date: 26.MAR.2013 08:29:48

2013-04-04 Page 54 of 126

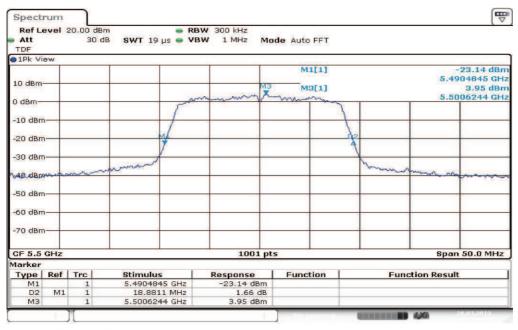


Plot 3: 5320 MHz



Date: 26.MAR.2013 08:40:50

Plot 4: 5500 MHz

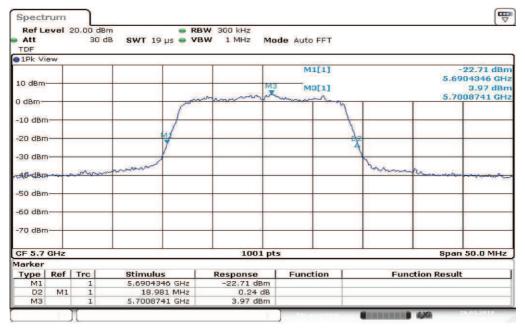


Date: 26.MAR.2013 08:46:30

2013-04-04 Page 55 of 126



**Plot 5:** 5700 MHz



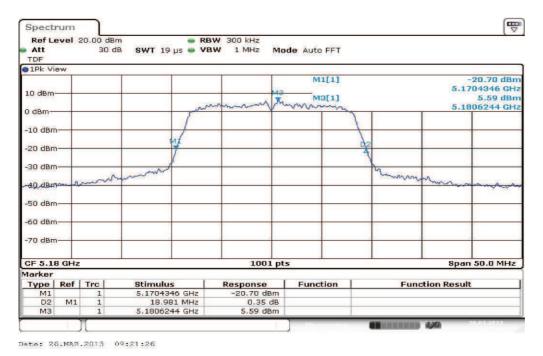
Date: 26.MAR.2013 09:14:22

2013-04-04 Page 56 of 126

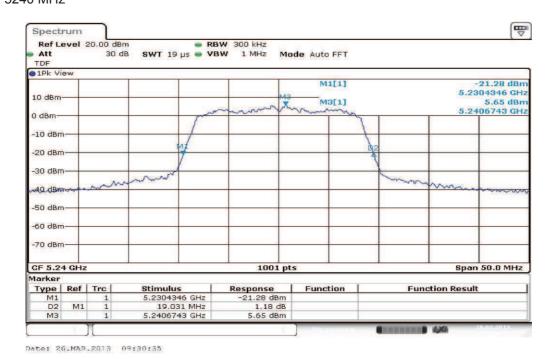


# Plots: OFDM / a - mode 54 Mbps

**Plot 1:** 5180 MHz



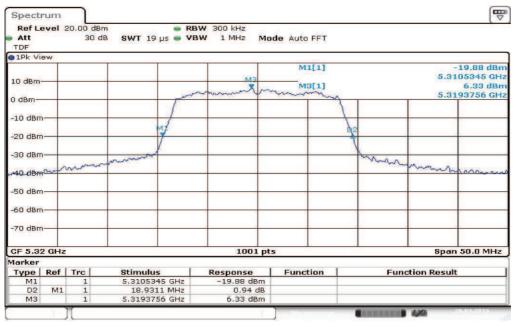
**Plot 2:** 5240 MHz



2013-04-04 Page 57 of 126

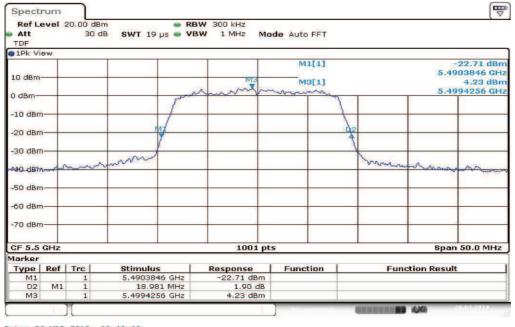


Plot 3: 5320 MHz



Date: 26.MAR.2013 09:36:16

Plot 4: 5500 MHz

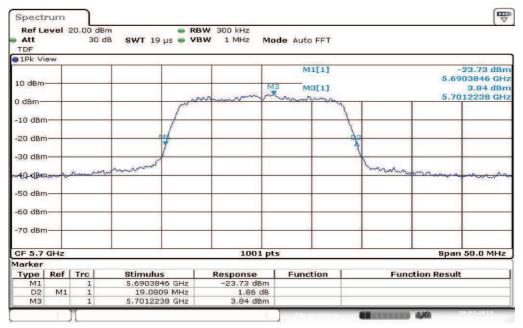


Date: 26.MAR.2013 09:43:03

2013-04-04 Page 58 of 126



# **Plot 5:** 5700 MHz



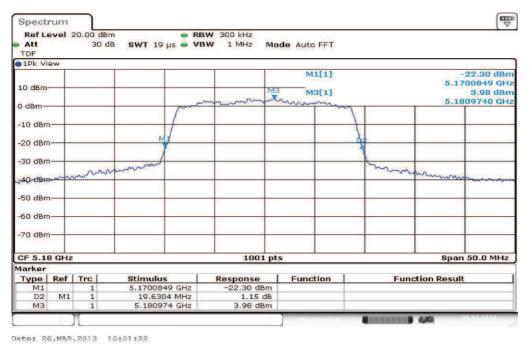
Date: 26.MAR.2013 09:53:15

2013-04-04 Page 59 of 126

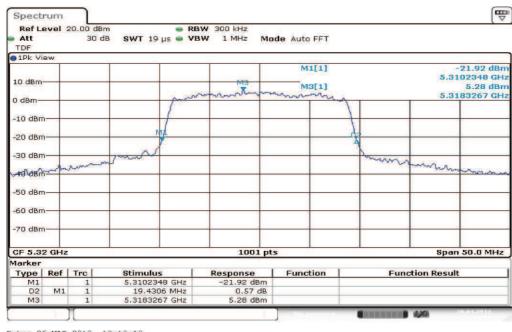


### Plots: OFDM / n - mode HT20 MCS0

**Plot 1:** 5180 MHz



Plot 2: 5320 MHz

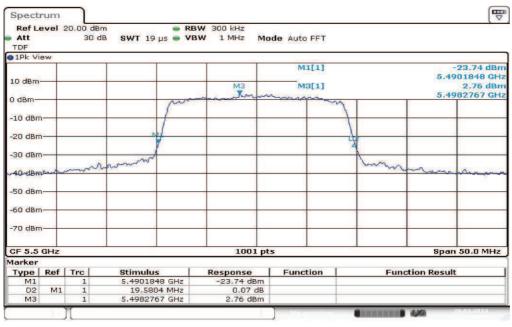


Date: 26.MAR.2013 10:13:10

2013-04-04 Page 60 of 126

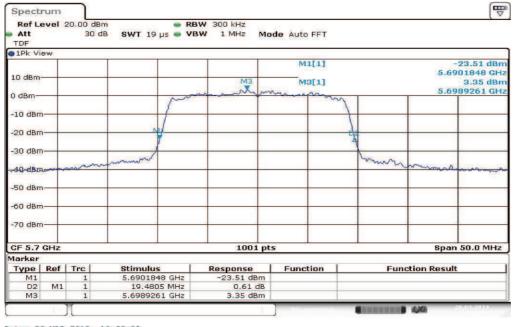


Plot 3: 5500 MHz



Date: 26.MAR.2013 10:18:00

Plot 4: 5700 MHz



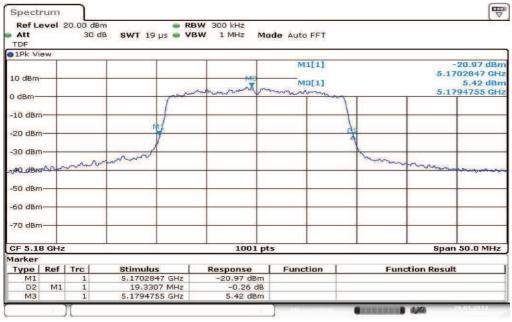
Date: 26.MAR.2013 10:22:55

2013-04-04 Page 61 of 126



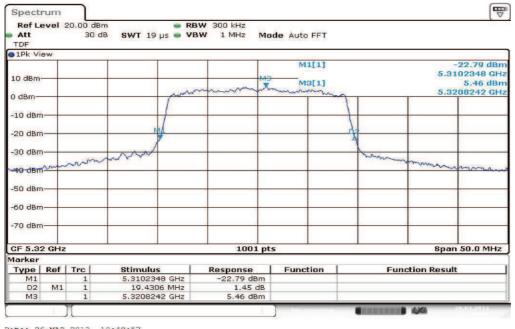
# Plots: OFDM / n - mode HT20 MCS4

**Plot 5:** 5180 MHz



Date: 26.MAR.2013 10:28:31

Plot 6: 5320 MHz

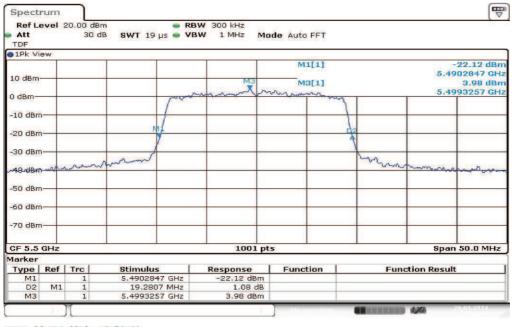


Date: 26.MAR.2013 10:48:57

2013-04-04 Page 62 of 126

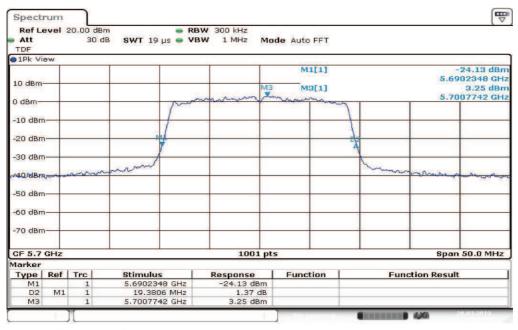


Plot 7: 5500 MHz



Date: 26.MAR.2013 10:54:44

Plot 8: 5700 MHz



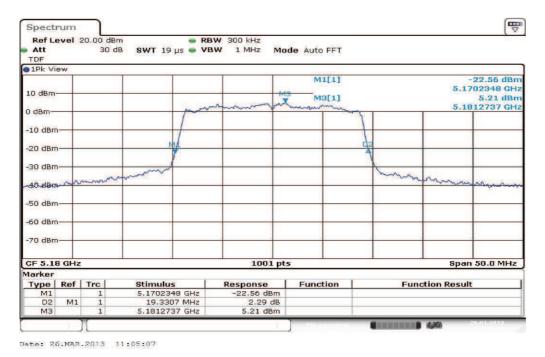
Date: 26.MAR.2013 10:59:51

2013-04-04 Page 63 of 126

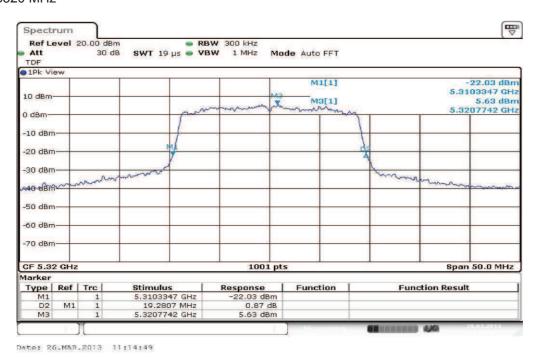


# Plots: OFDM / n - mode HT20 MCS7

**Plot 9:** 5180 MHz



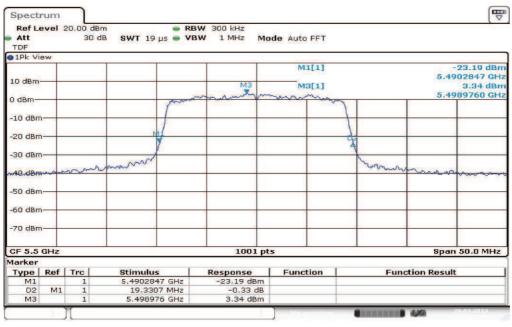
Plot 10: 5320 MHz



2013-04-04 Page 64 of 126

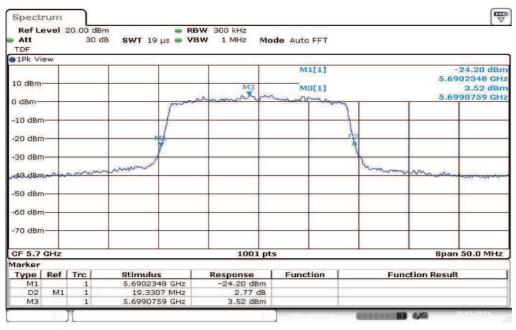


Plot 11: 5500 MHz



Date: 26.MAR.2013 11:20:45

Plot 12: 5700 MHz



Date: 26.MAR.2013 11:25:35

2013-04-04 Page 65 of 126



# 9.8 Peak excursion measurements

Not performed! Tests according to manufacturer test plan!

2013-04-04 Page 66 of 126



# 9.9 Band edge compliance radiated

#### **Description:**

Measurement of the radiated band edge compliance. The EUT is turned in the position that results in the maximum level at the band edge. Then a sweep over the corresponding restricted band is performed. The EUT is set to the lowest channel for the lower restricted band and to the highest channel for the upper restricted band. Measurement distance is 3m.

#### Measurement:

Measurement parameter	
Detector:	Peak / RMS
Sweep time:	Auto
Resolution bandwidth:	1 MHz
Video bandwidth:	10 Hz / 1 MHz
Span:	See plots!
Trace-Mode:	Max Hold

### Limits:

### **Band Edge Compliance Radiated**

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 Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 5.205(c)).

74 dBµV/m PEAK 54 dBµV/m AVG -27 dBm / MHz PEAK

#### Result:

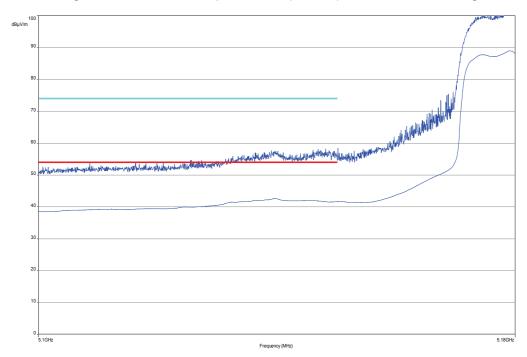
Scenario	Band Edge Compliance Radiated [dBμV/m]
band edge	< 74 dBµV/m (AVG) < 54 dBµV/m (PEAK) < -27 dBm / MHz PEAK
Measurement uncertainty	± 3 dB

2013-04-04 Page 67 of 126

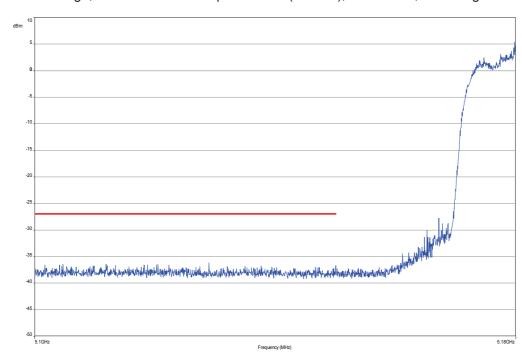


# Plots:

Plot 1: lower band edge, vertical & horizontal polarization (a mode), channel 36, according Part 15.247



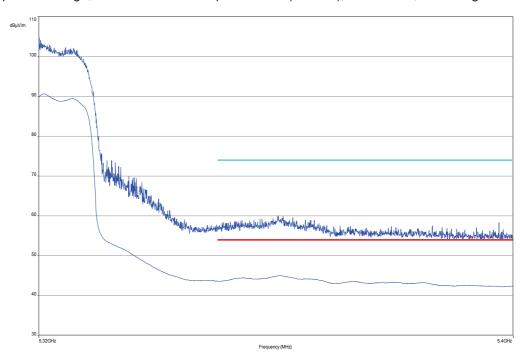
Plot 2: lower band edge, vertical & horizontal polarization (a mode), channel 36, according Part 15.407



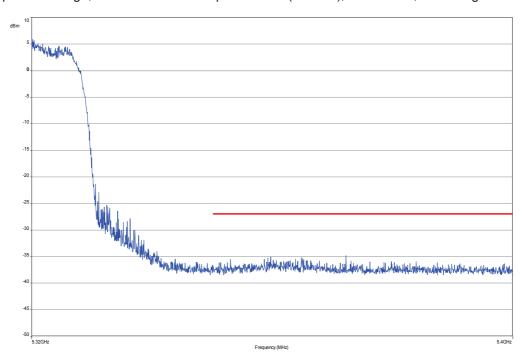
2013-04-04 Page 68 of 126



Plot 3: upper band edge, vertical & horizontal polarization (a mode), channel 64, according Part 15.247



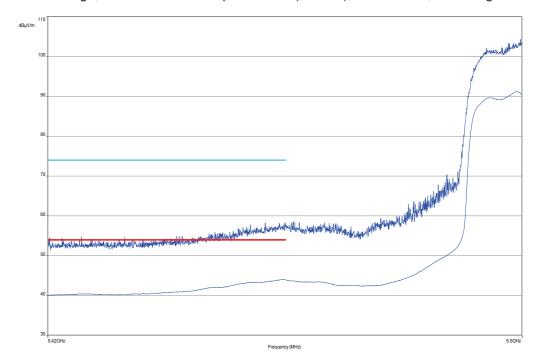
Plot 4: upper band edge, vertical & horizontal polarization (a mode), channel 64, according Part 15.407



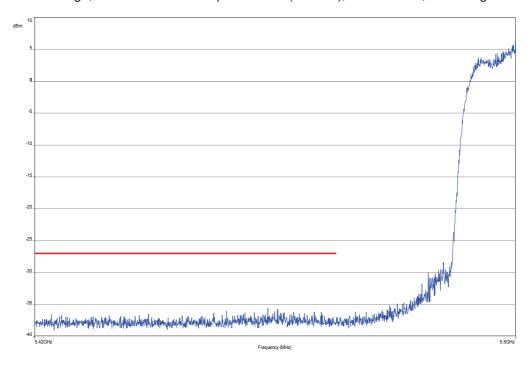
2013-04-04 Page 69 of 126



Plot 5: lower band edge, vertical & horizontal polarization (a mode), channel 100, according Part 15.247



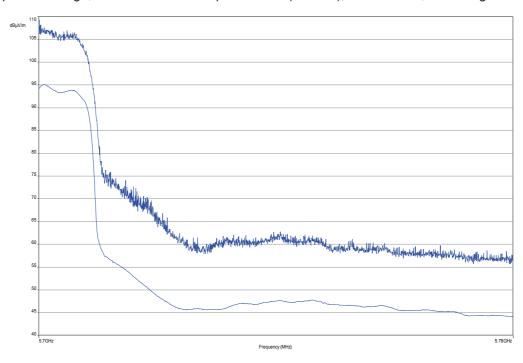
Plot 6: lower band edge, vertical & horizontal polarization (a mode), channel 100, according Part 15.407



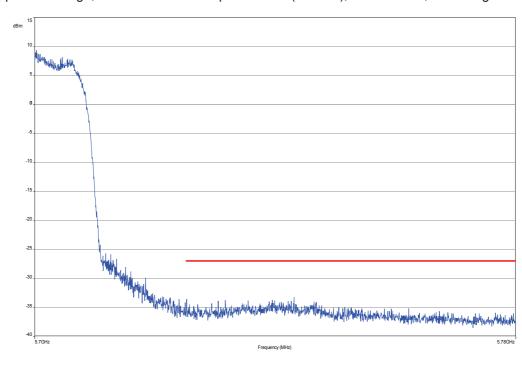
2013-04-04 Page 70 of 126



Plot 7: upper band edge, vertical & horizontal polarization (a mode), channel 140, according Part 15.247



Plot 8: upper band edge, vertical & horizontal polarization (a mode), channel 140, according Part 15.407



2013-04-04 Page 71 of 126