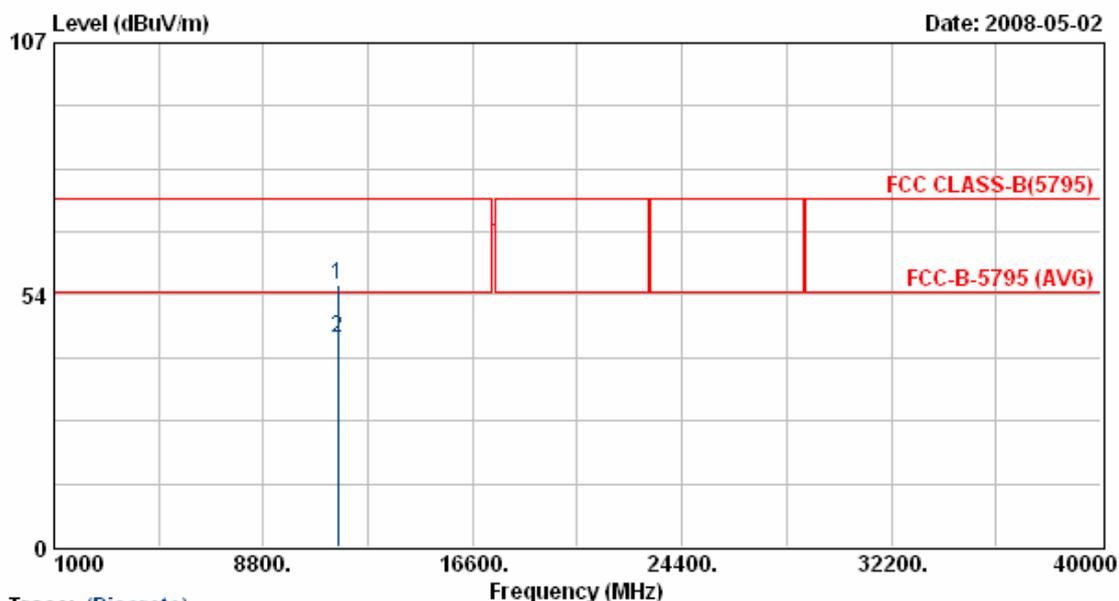


Power	: DC 48V from POE	Pol/Phase	: HORIZONTAL
Test Mode 15	: Transmit / Receive	Temperature	: 25 °C
Operation Channel	: 159	Humidity	: 65 %
Modulation Type	: 802.11an, HT40	Atmospheric Pressure	: 1020 hPa
Memo	:	Rate	: 13.5 Mbps



Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	11589.90	41.48	14.27	55.75	74.00	-18.25	Peak	100	146
2	11589.90	30.20	14.27	44.47	54.00	-9.53	Average	100	146

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

## 12. 6dB Bandwidth Measurement Data (For 802.11a device)

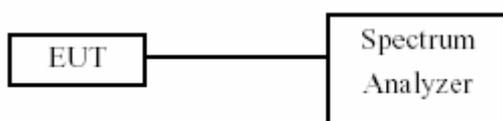
### 12.1 Test Limit

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

### 12.2 Test Procedures

- The transmitter output was connected to the spectrum analyzer.
- Set RBW of spectrum analyzer to 100 KHz and VBW to 100 KHz.
- The 6 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6 dB.

### 12.3 Test Setup Layout



### 12.4 Measurement equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date.
Spectrum Analyzer	FSP40	R&S	100047	2008/02/22	2009/02/21

### 12.5 Test Result and Data

- (1) Modulation Standard: IEEE 802.11a (6Mbps), ANT-L  
 Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	6dB Bandwidth (MHz)
149	5745	15.10
157	5785	16.30
165	5825	16.30

- (2) Modulation Standard: IEEE 802.11a (6Mbps), ANT-M  
 Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	6dB Bandwidth (MHz)
149	5745	15.10
157	5785	15.90
165	5825	16.40

- (3) Modulation Standard: IEEE 802.11a (6Mbps), ANT-R  
 Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	6dB Bandwidth (MHz)
149	5745	16.40
157	5785	15.90
165	5825	16.40

- (4) Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R  
 Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	6dB Bandwidth of ANT-L (MHz)	6dB Bandwidth of ANT-R (MHz)
149	5745	17.60	17.60
157	5785	17.30	17.60
165	5825	17.70	17.70

- (5) Modulation Standard: 802.11an, HT40 (13.5Mbps) , ANT-L + ANT-R  
 Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	6dB Bandwidth of ANT-L (MHz)	6dB Bandwidth of ANT-R (MHz)
151	5755	36.40	36.40
155	5775	36.40	36.40
159	5795	36.40	36.40

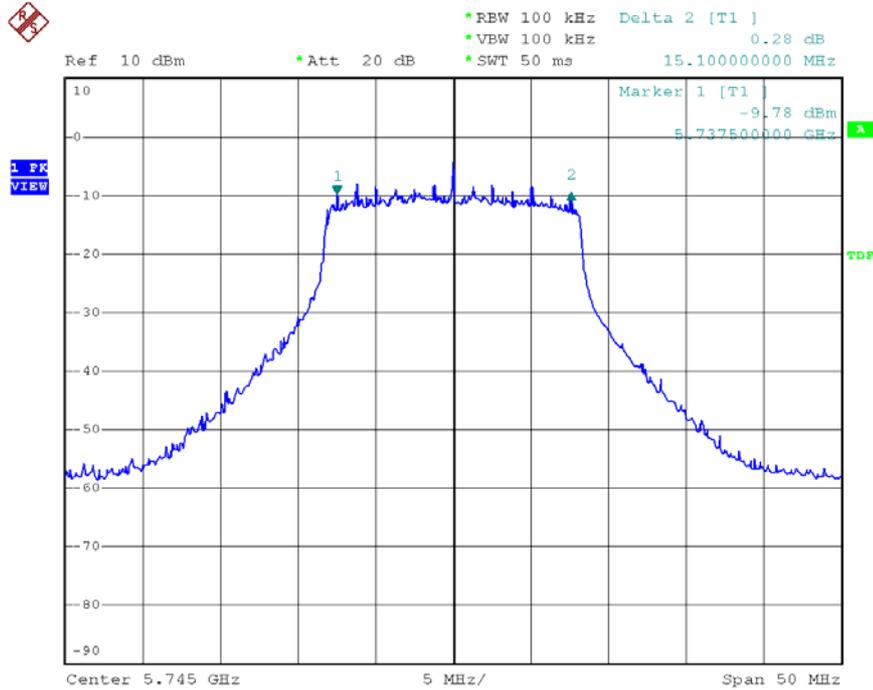
- (6) Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL  
 Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		
		ANT-L	ANT-M	ANT-R
149	5745	17.60	17.00	17.90
157	5785	17.60	17.20	17.60
165	5825	17.70	17.20	17.60

- (7) Modulation Standard: 802.11an, HT40 (13.5Mbps) , ANT-L + ANT-R  
 Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

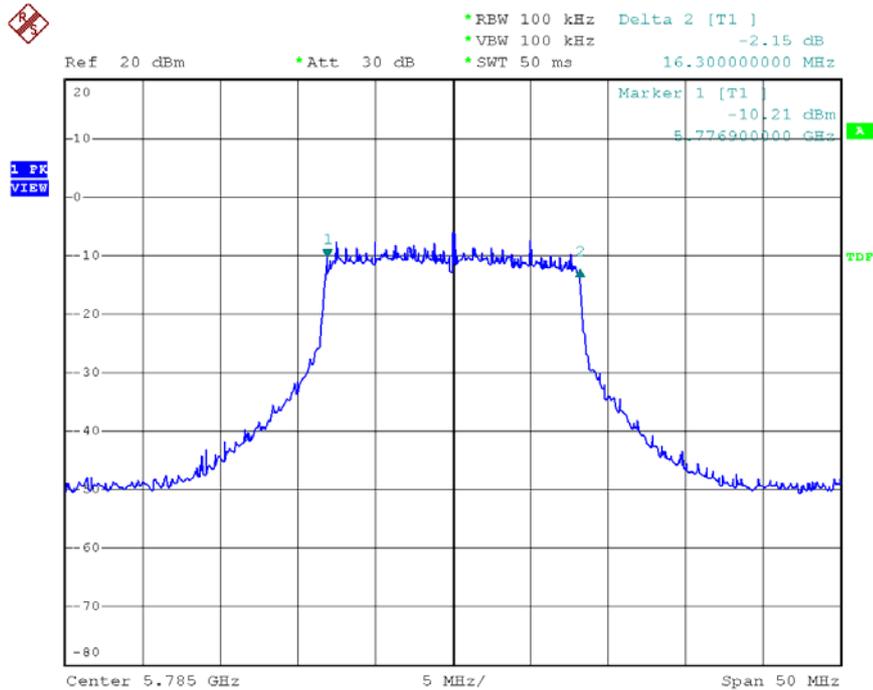
Channel	Frequency (MHz)	6dB Bandwidth (MHz)		
		ANT-L	ANT-M	ANT-R
151	5755	36.20	36.40	36.40
155	5775	35.80	36.40	36.40
159	5795	35.80	36.60	36.00

Modulation Standard: 802.11a (6Mbps), ANT-L  
 Channel: 149



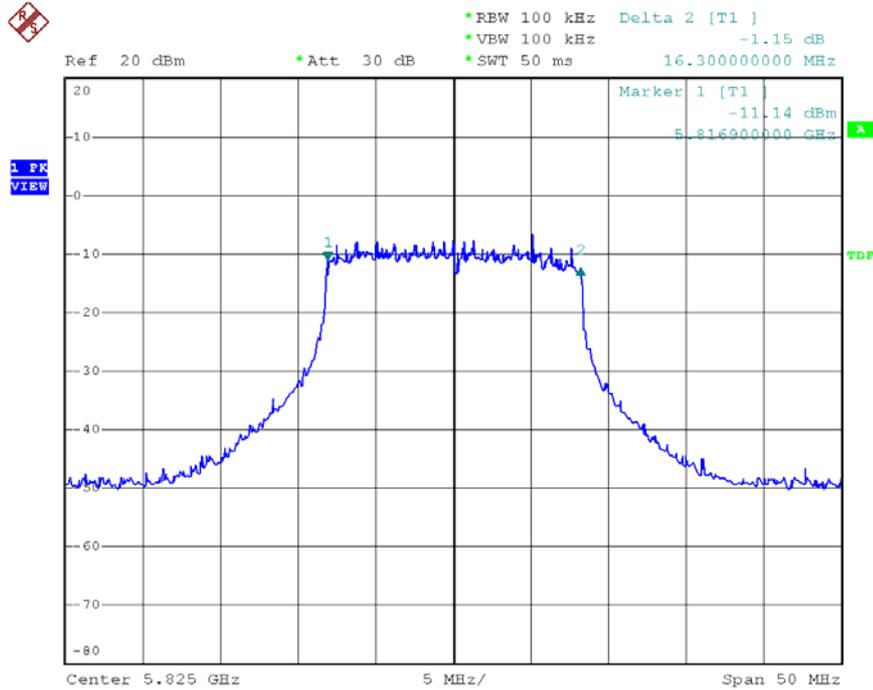
Date: 27.MAR.2008 17:03:58

Modulation Standard: 802.11a (6Mbps), ANT-L  
 Channel: 157



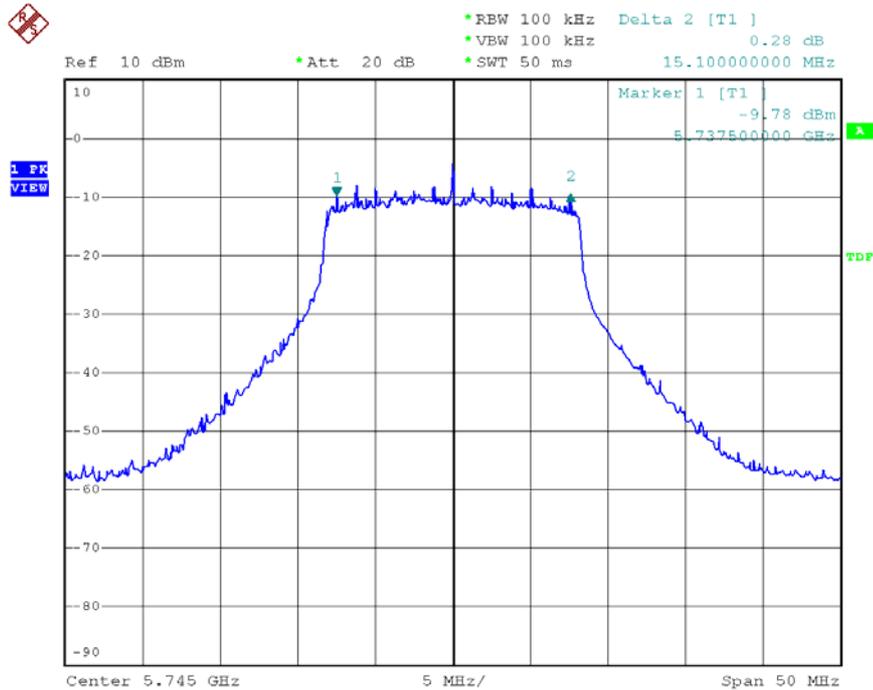
Date: 28.MAR.2008 13:37:29

Modulation Standard: 802.11a (6Mbps), ANT-L  
 Channel: 165



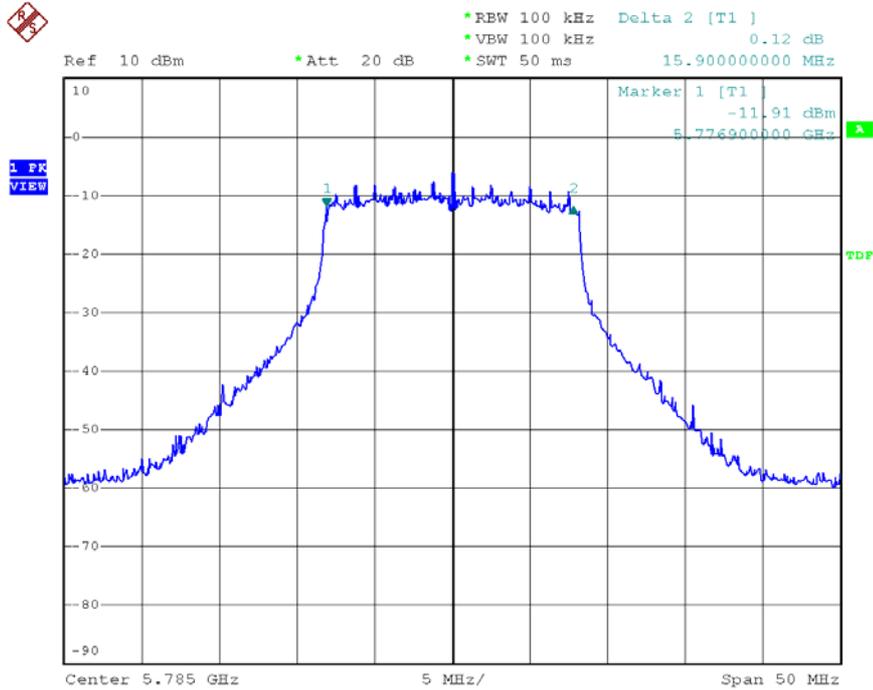
Date: 28.MAR.2008 13:36:44

Modulation Standard: 802.11a (6Mbps), ANT-M  
 Channel: 149



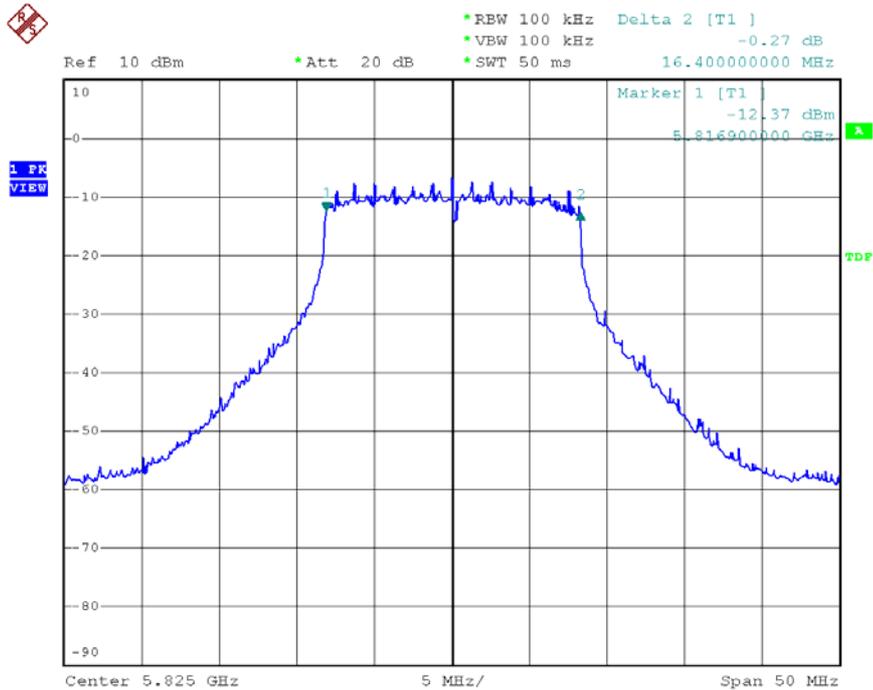
Date: 27.MAR.2008 17:03:58

Modulation Standard: 802.11a (6Mbps), ANT-M  
 Channel: 157



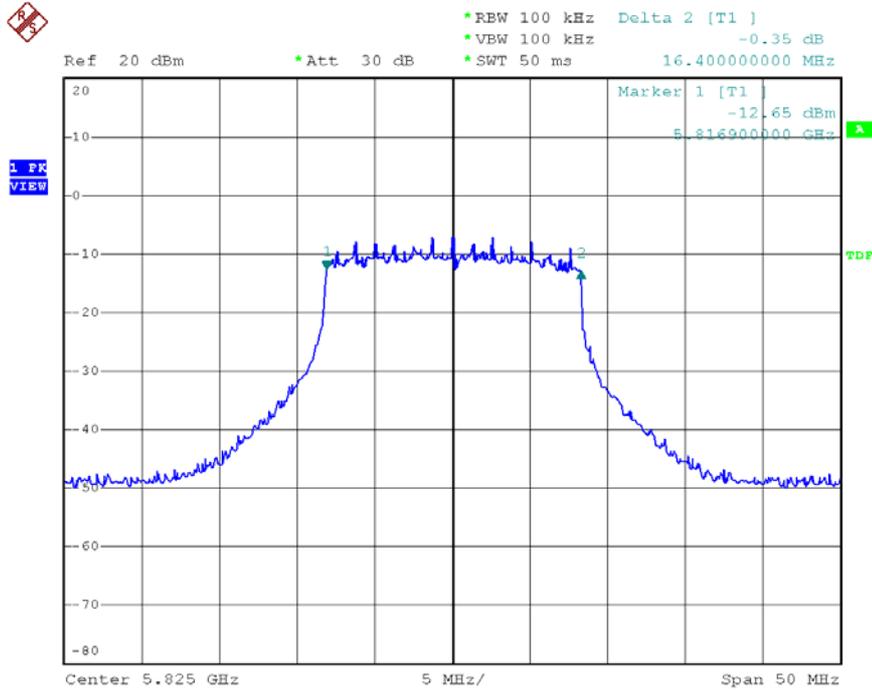
Date: 27.MAR.2008 17:04:41

Modulation Standard: 802.11a (6Mbps), ANT-M  
 Channel: 165



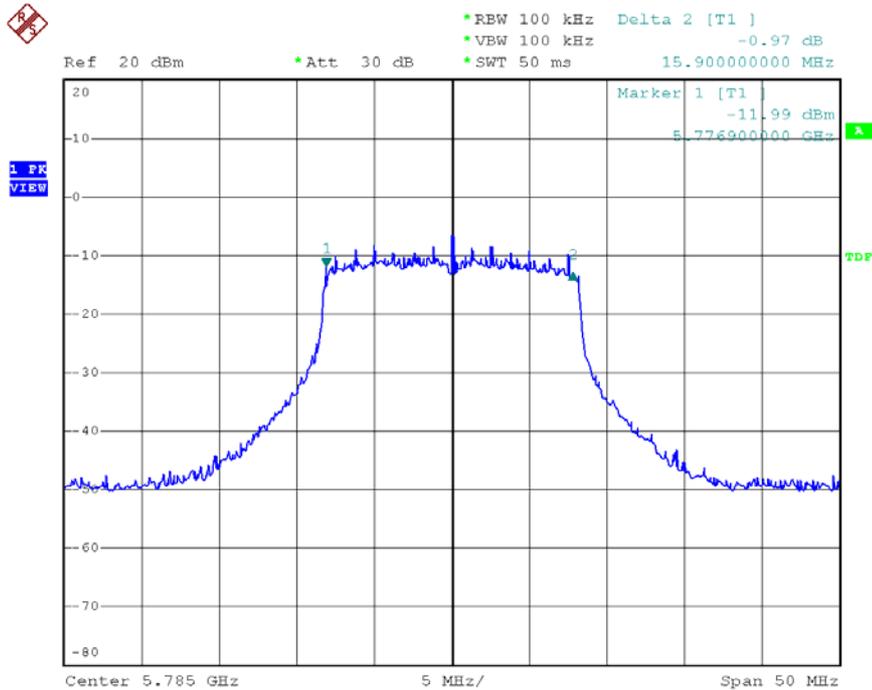
Date: 27.MAR.2008 17:01:44

Modulation Standard: 802.11a (6Mbps), ANT-R  
 Channel: 149



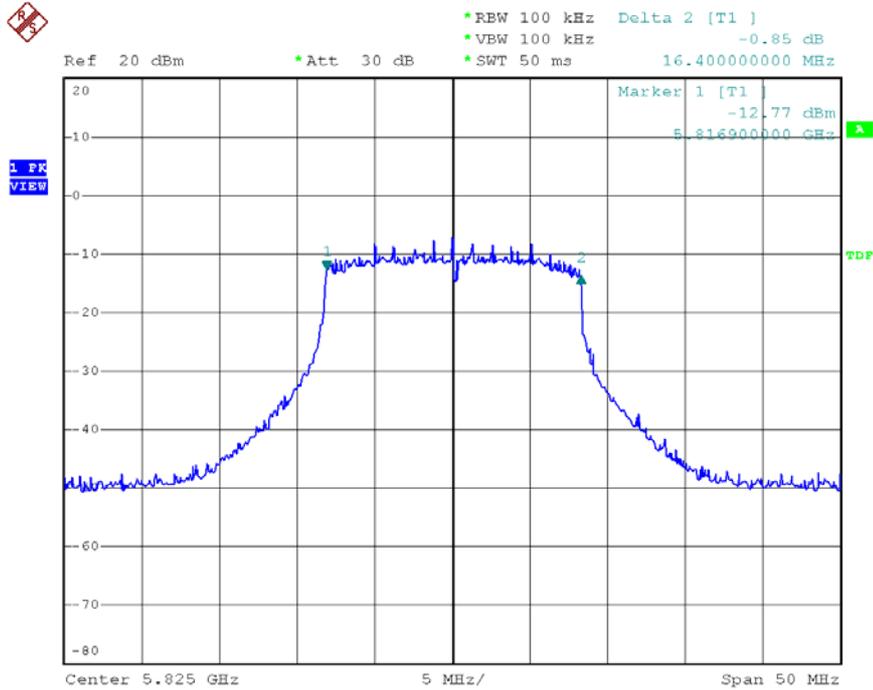
Date: 27.MAR.2008 14:03:30

Modulation Standard: 802.11a (6Mbps), ANT-R  
 Channel: 157



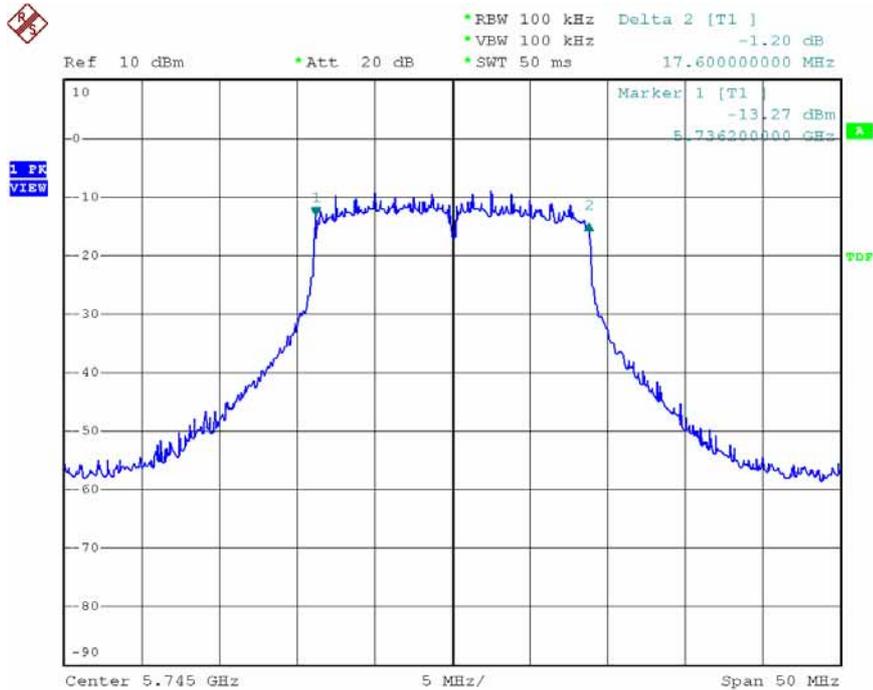
Date: 27.MAR.2008 14:04:52

Modulation Standard: 802.11a (6Mbps), ANT-R  
 Channel: 165



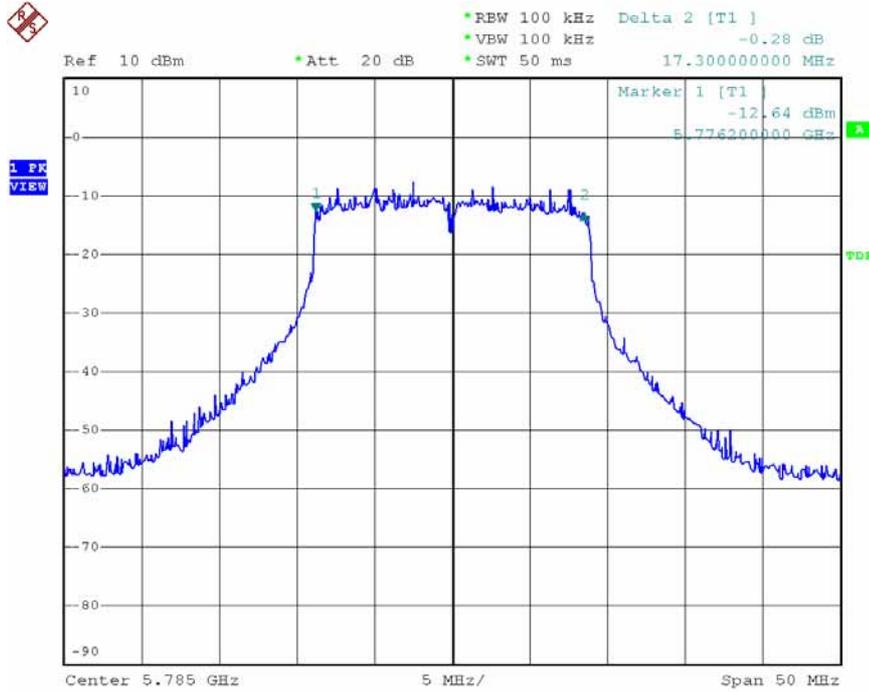
Date: 27.MAR.2008 14:06:37

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R (ANT-L)  
 Channel: 149



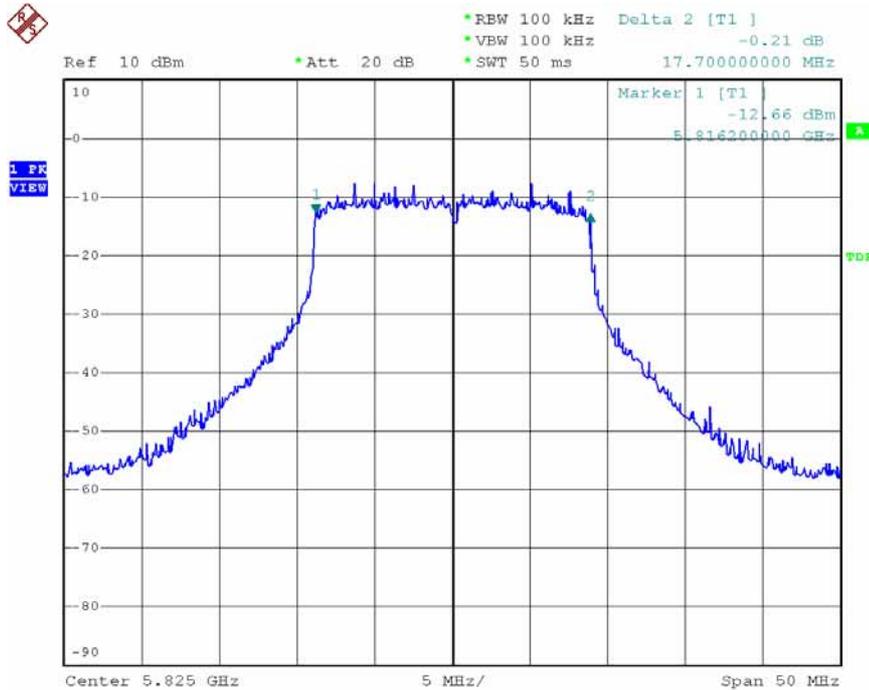
Date: 1.MAY.2008 21:44:51

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R (ANT-L)  
 Channel: 157



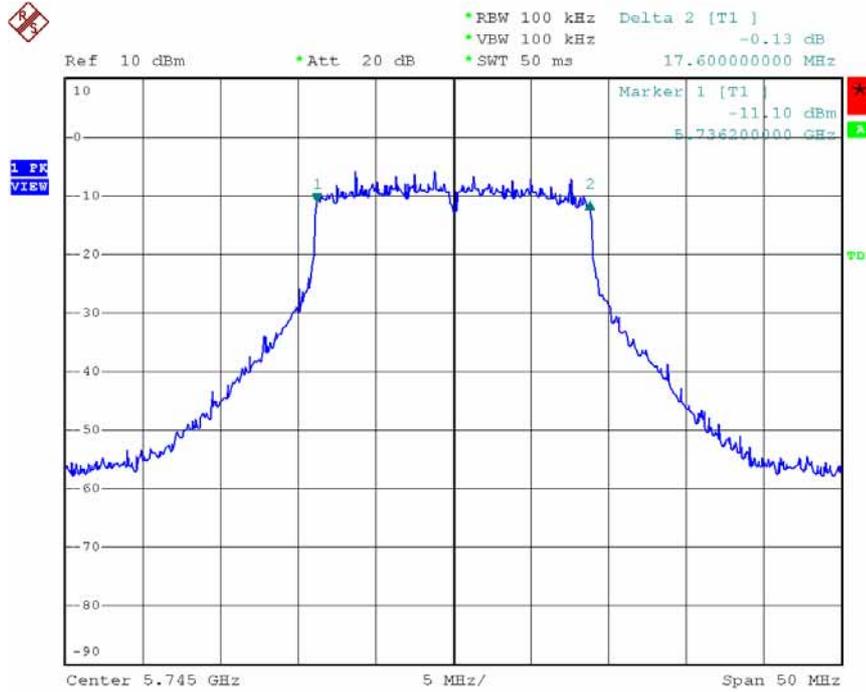
Date: 1.MAY.2008 21:43:30

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R (ANT-L)  
 Channel: 165



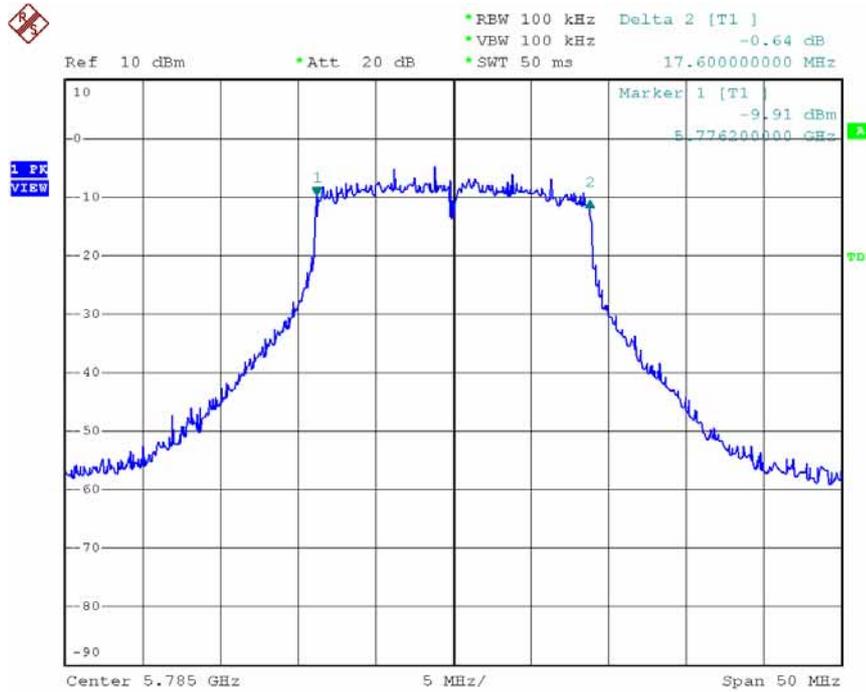
Date: 1.MAY.2008 21:42:09

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R (ANT-R)  
 Channel: 149



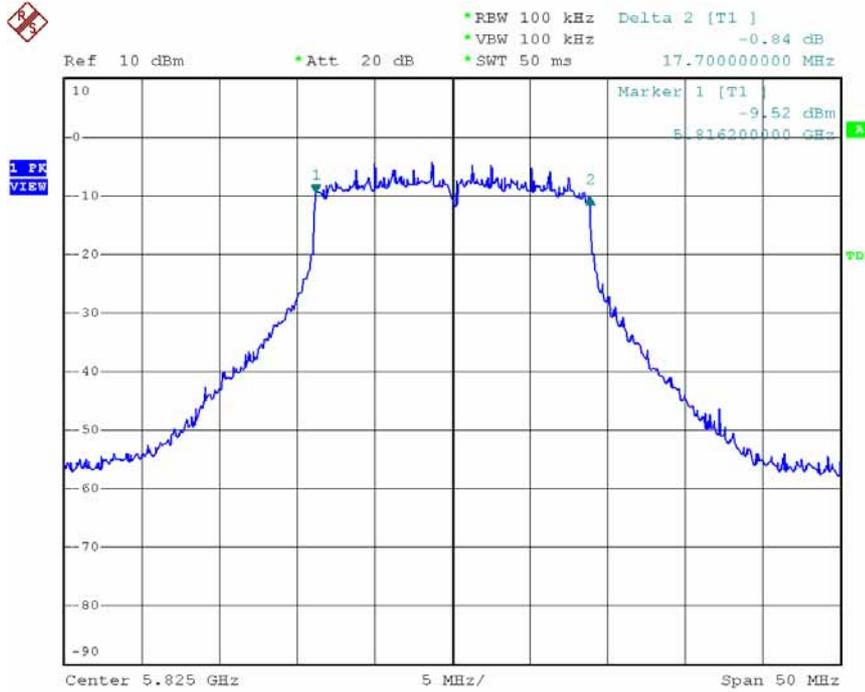
Date: 1.MAY.2008 21:37:29

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R (ANT-R)  
 Channel: 157



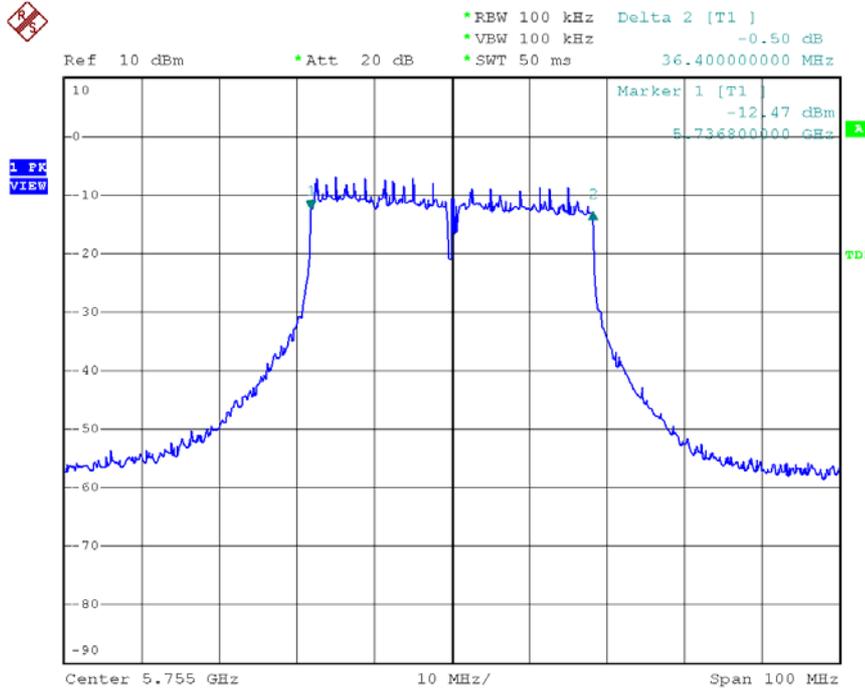
Date: 1.MAY.2008 21:39:02

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R (ANT-R)  
 Channel: 165



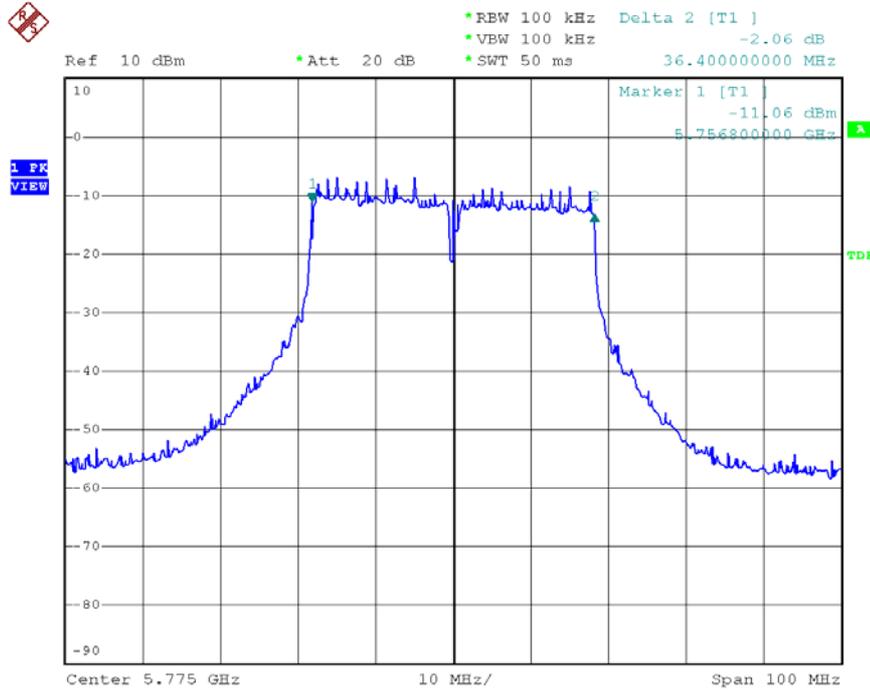
Date: 1.MAY.2008 21:41:01

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R (ANT-L)  
 Channel: 151



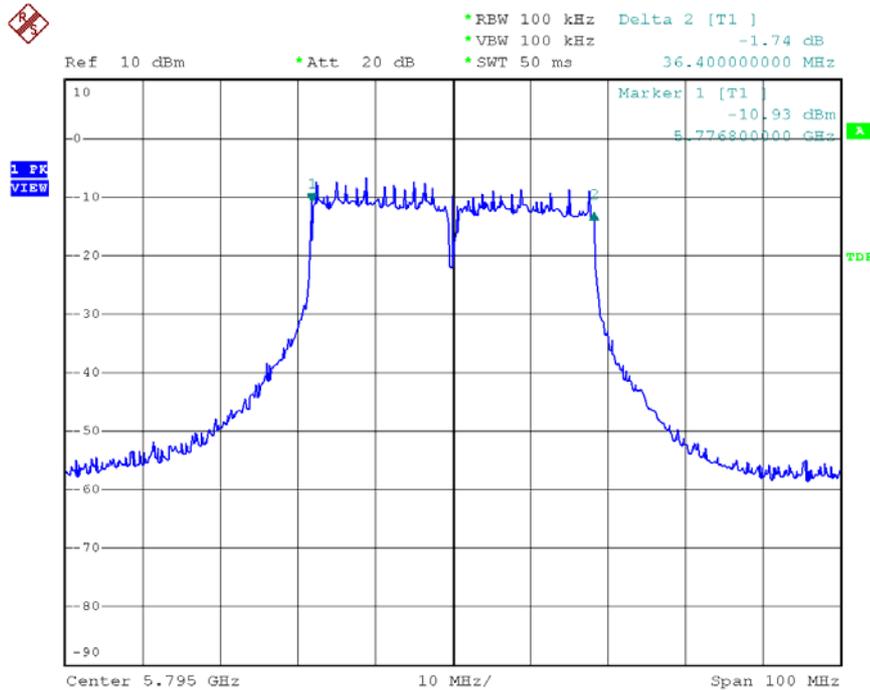
Date: 1.MAY.2008 22:11:19

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R (ANT-L)  
 Channel: 155



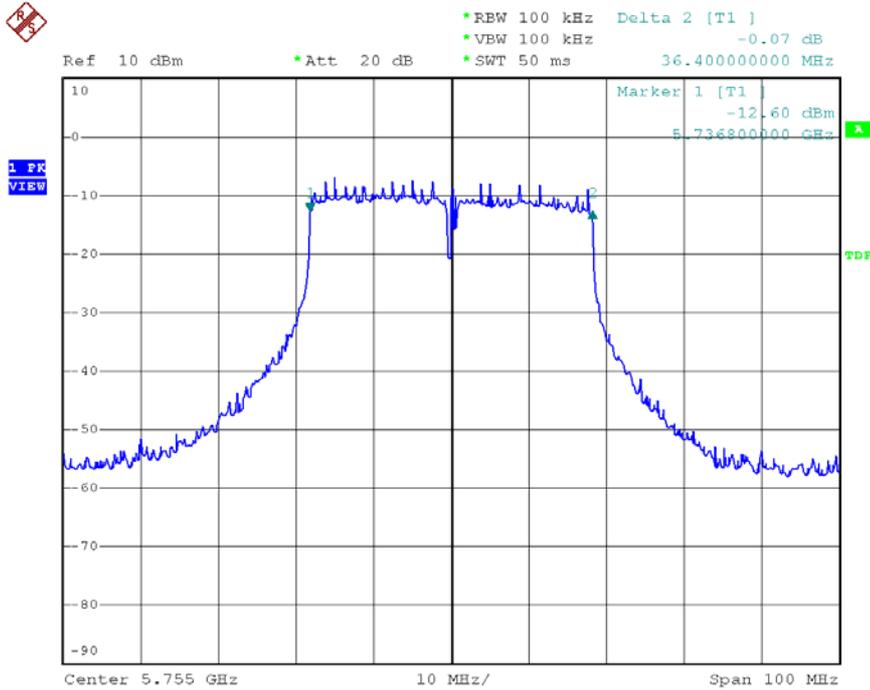
Date: 1.MAY.2008 22:10:03

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R (ANT-L)  
 Channel: 159



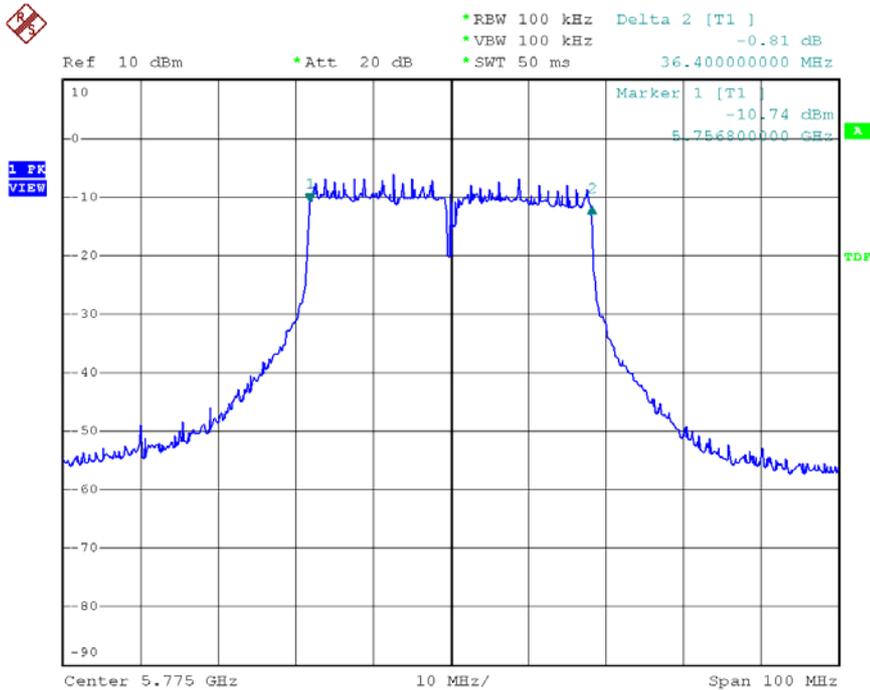
Date: 1.MAY.2008 22:08:35

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R (ANT-R)  
 Channel: 151



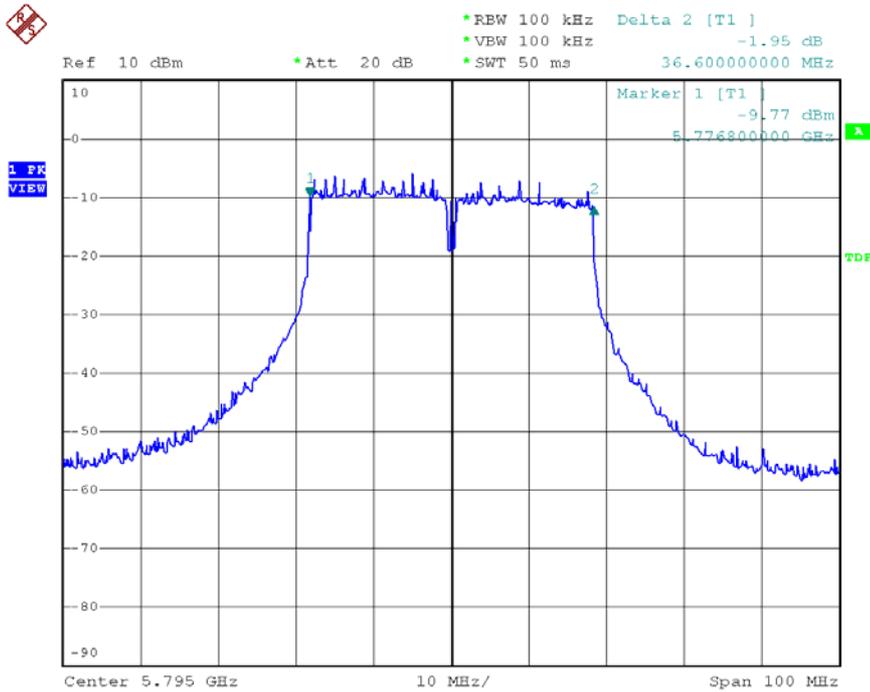
Date: 1.MAY.2008 22:04:15

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R (ANT-R)  
 Channel: 155



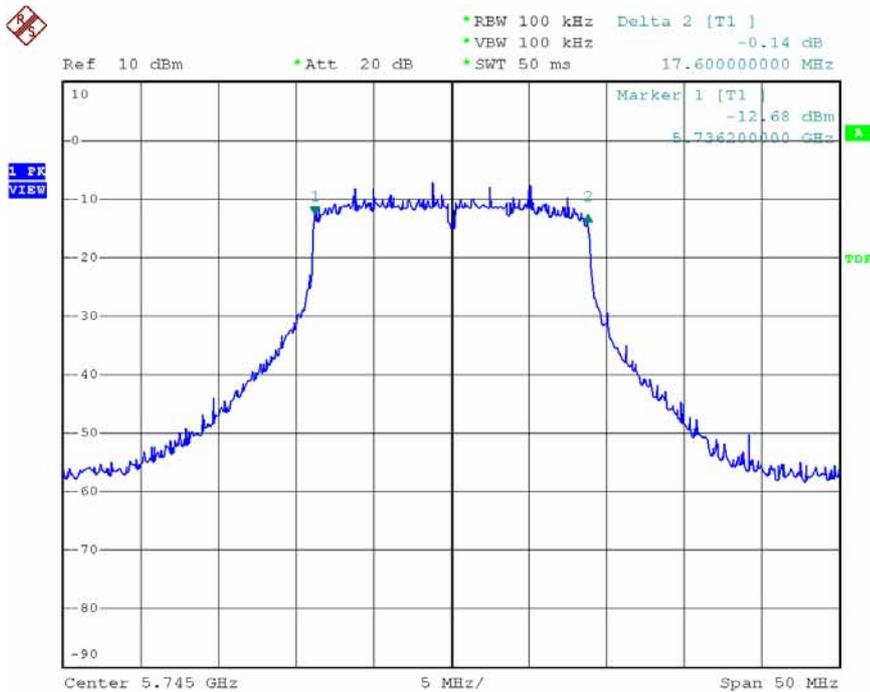
Date: 1.MAY.2008 22:05:51

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R (ANT-R)  
 Channel: 159



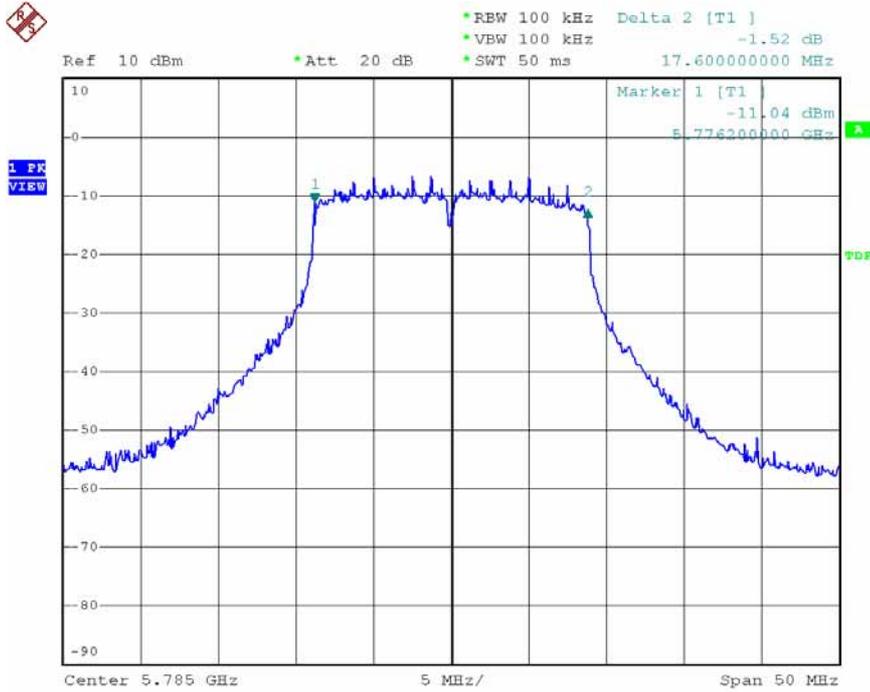
Date: 1.MAY.2008 22:07:13

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-L)  
 Channel: 149



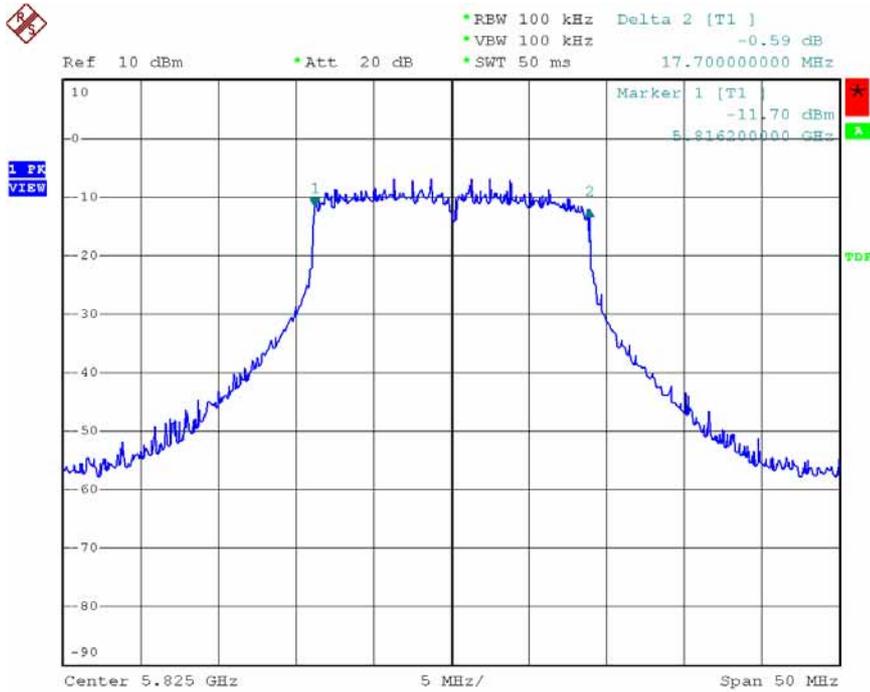
Date: 1.MAY.2008 21:18:38

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-L)  
 Channel: 157



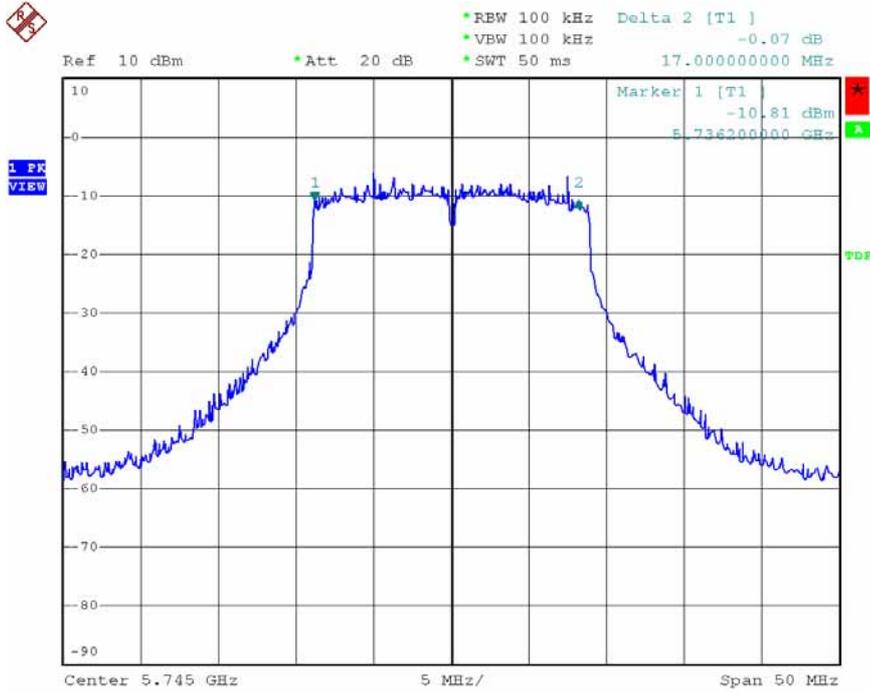
Date: 1.MAY.2008 21:19:59

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-L)  
 Channel: 165



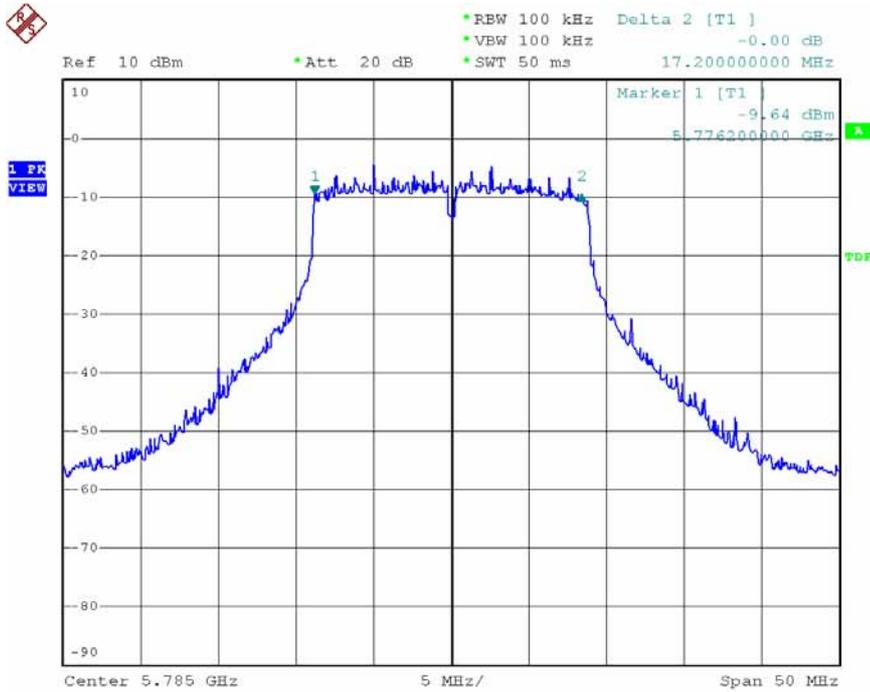
Date: 1.MAY.2008 21:21:38

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-M)  
 Channel: 149



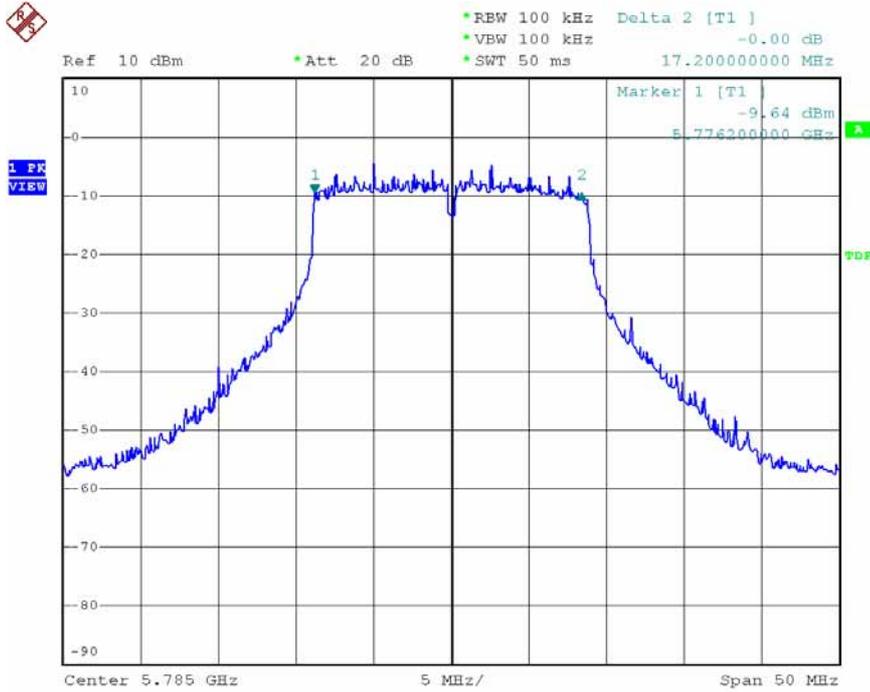
Date: 1.MAY.2008 21:17:15

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-M)  
 Channel: 157



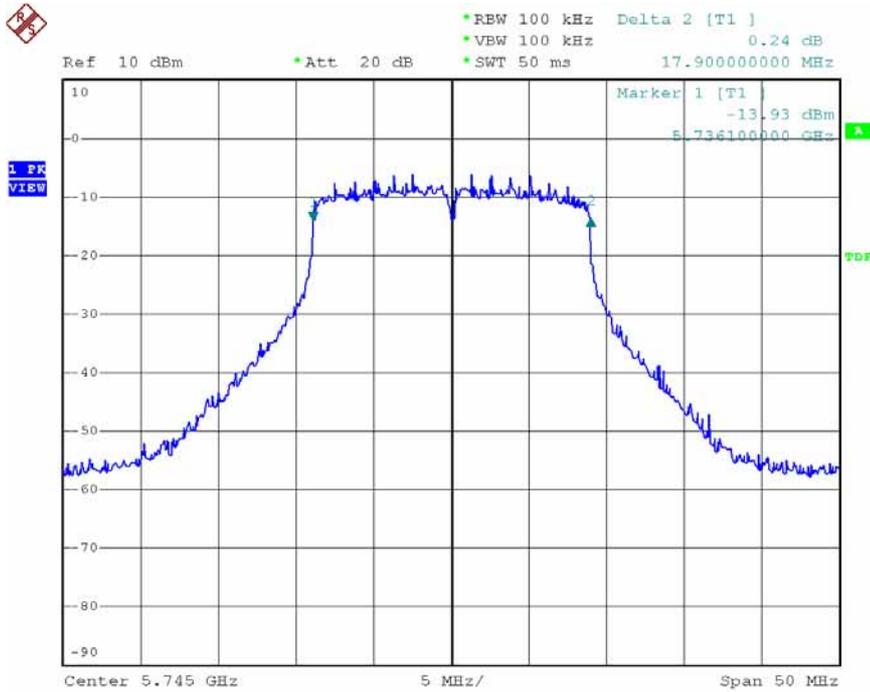
Date: 1.MAY.2008 21:16:07

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-M)  
 Channel: 165



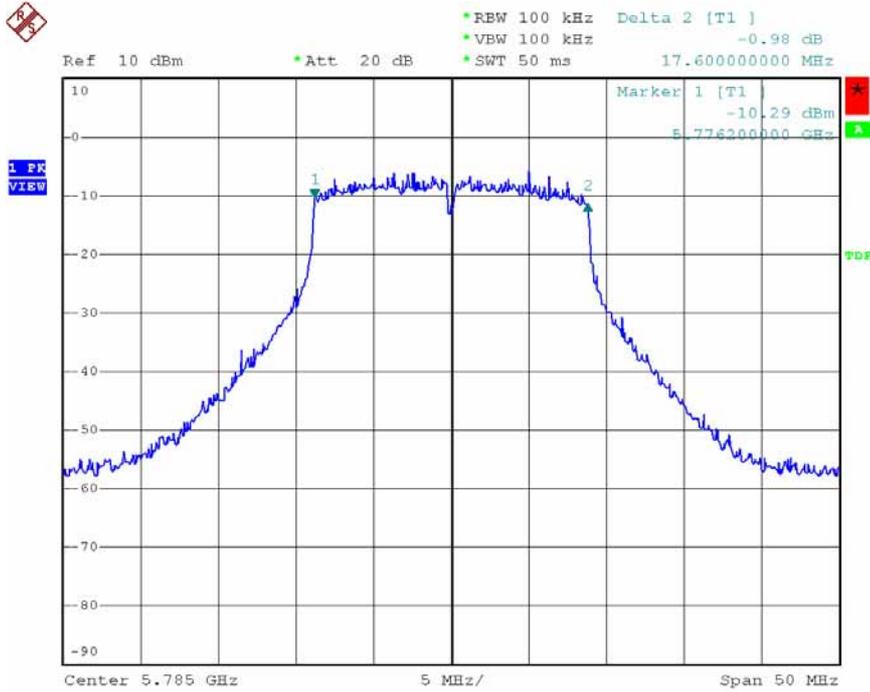
Date: 1.MAY.2008 21:16:07

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-R)  
 Channel: 149



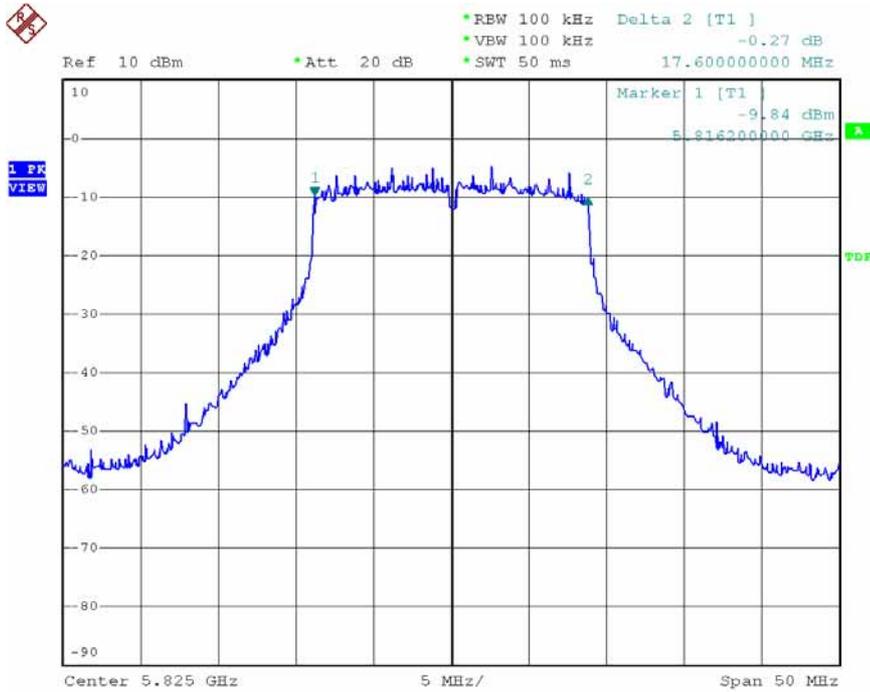
Date: 1.MAY.2008 21:10:21

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-R)  
 Channel: 157



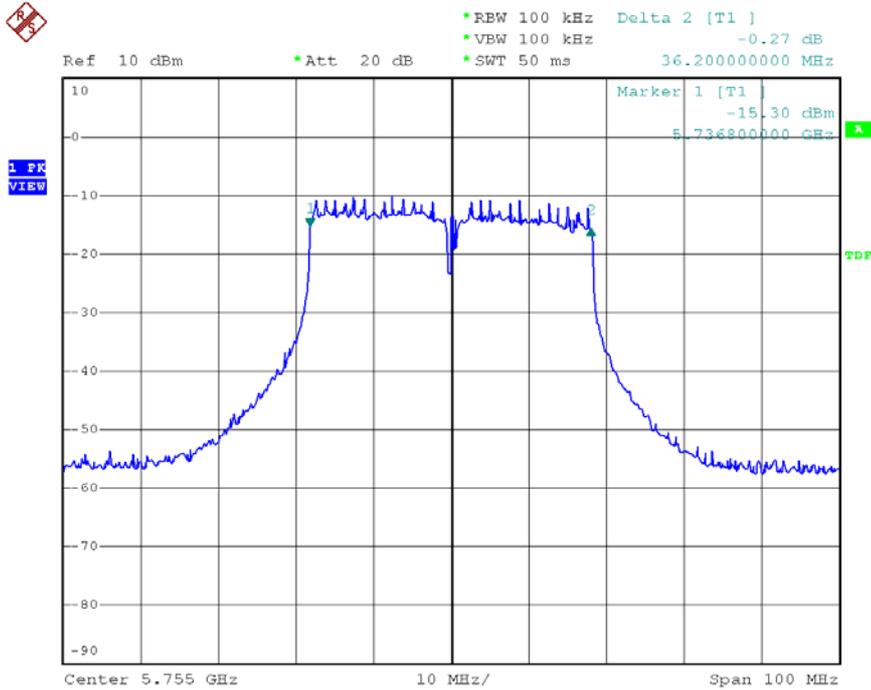
Date: 1.MAY.2008 21:12:01

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-R)  
 Channel: 165



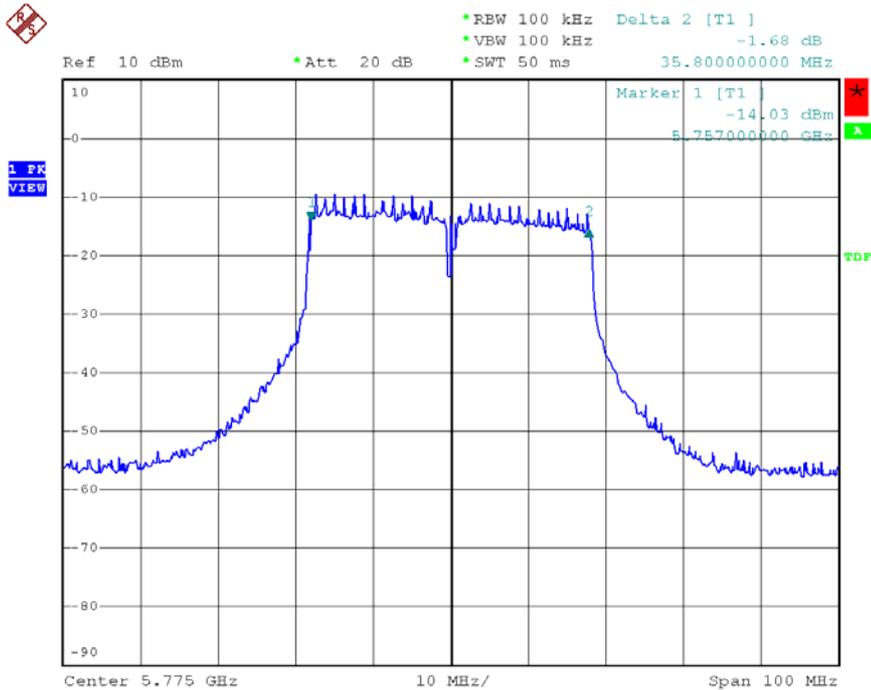
Date: 1.MAY.2008 21:13:22

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-L)  
 Channel: 151



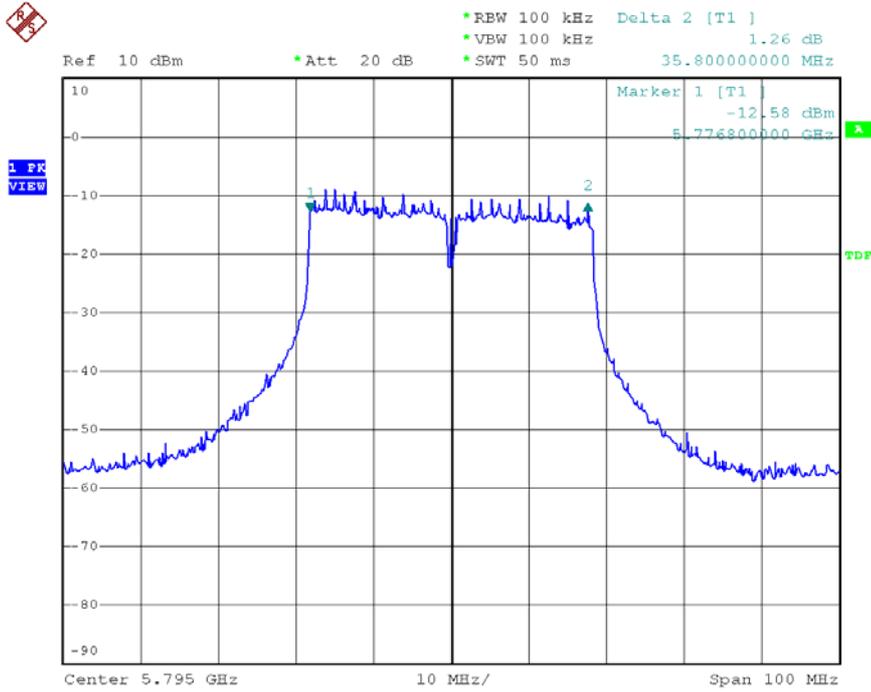
Date: 1.MAY.2008 20:11:22

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-L)  
 Channel: 155



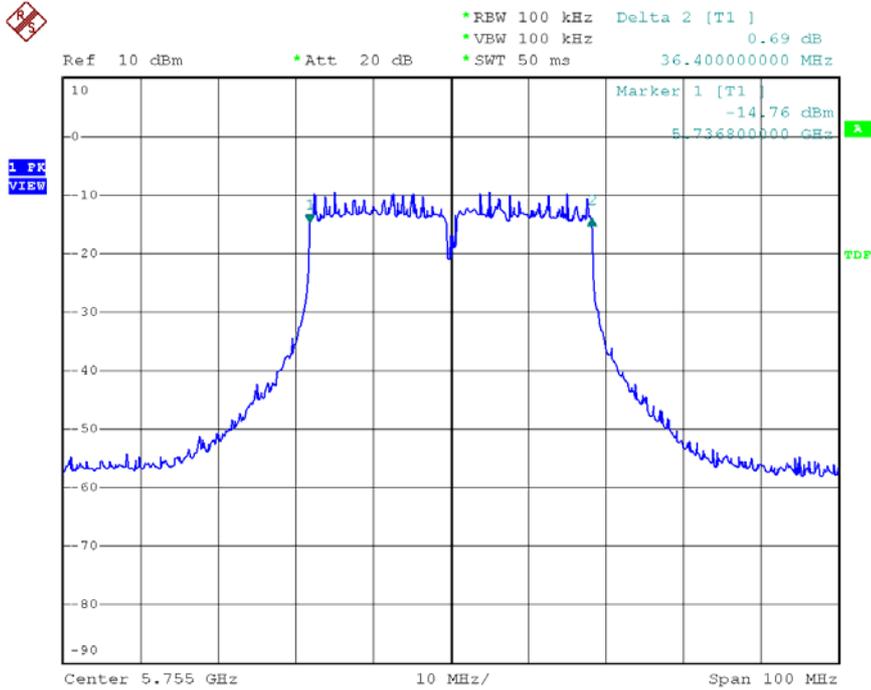
Date: 1.MAY.2008 20:13:02

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-L)  
 Channel: 159



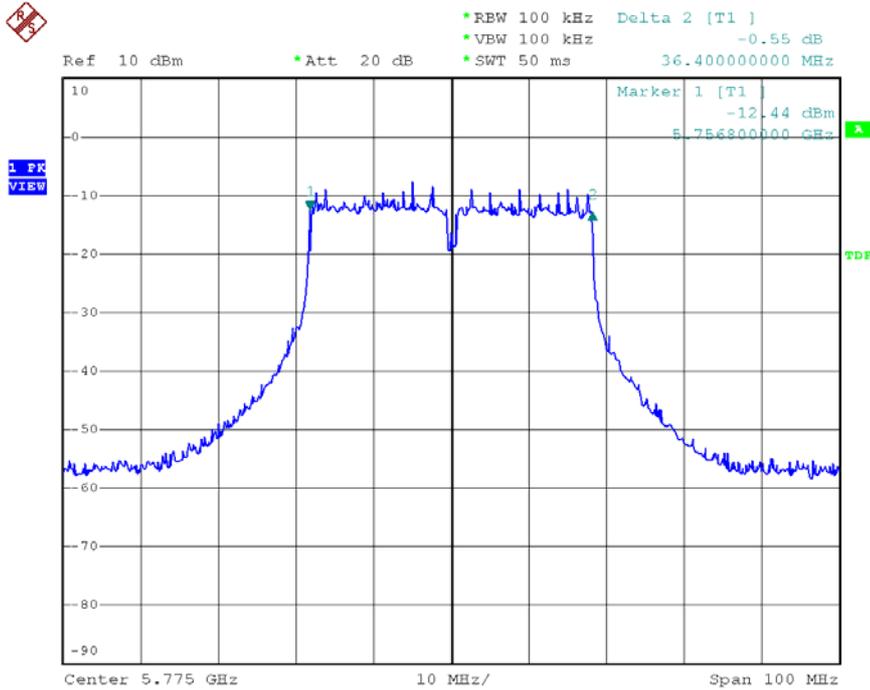
Date: 1.MAY.2008 20:20:32

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-M)  
 Channel: 151



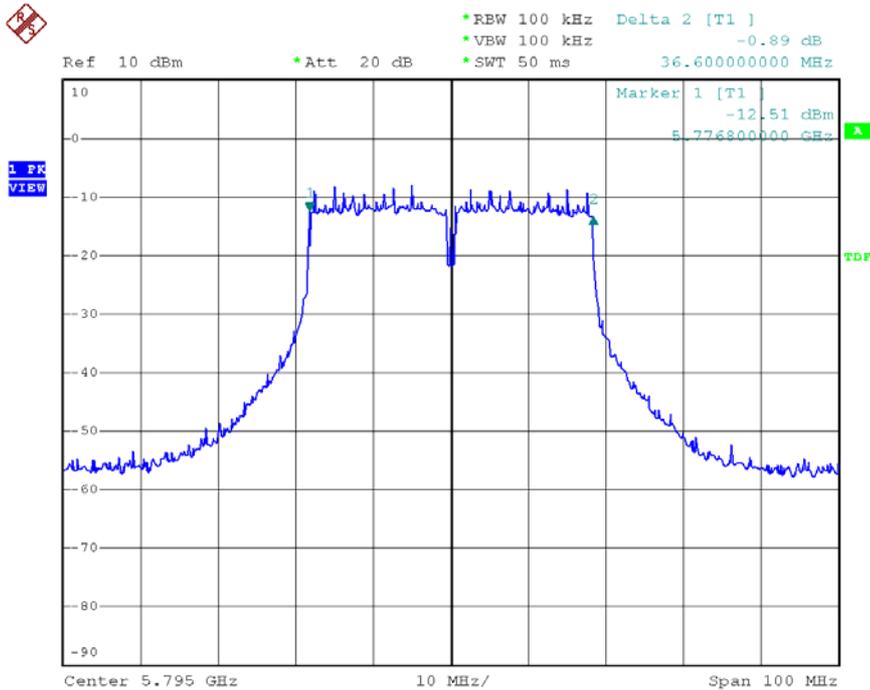
Date: 1.MAY.2008 20:09:34

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-M)  
 Channel: 155



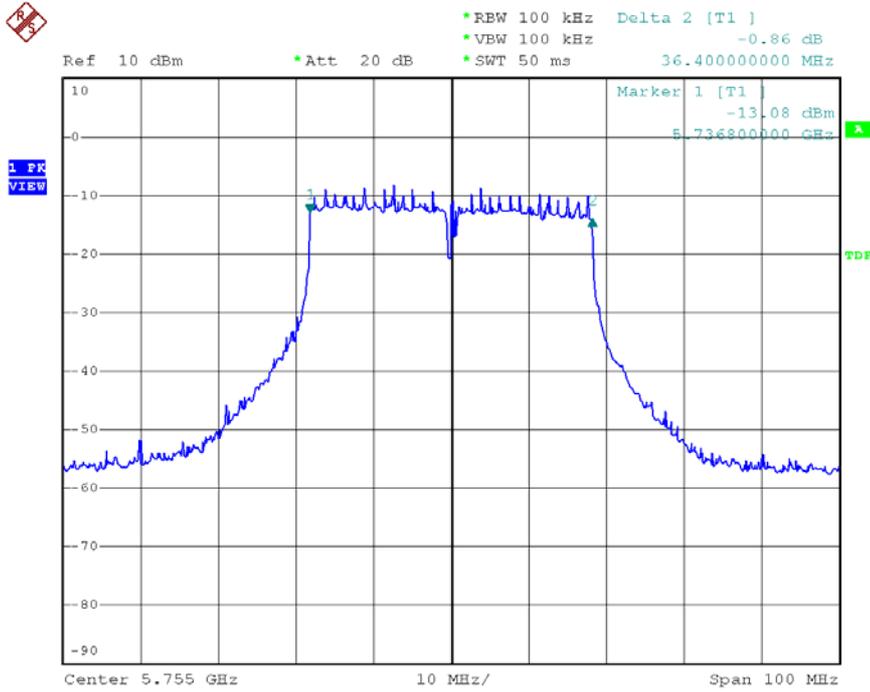
Date: 1.MAY.2008 20:14:24

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-M)  
 Channel: 159



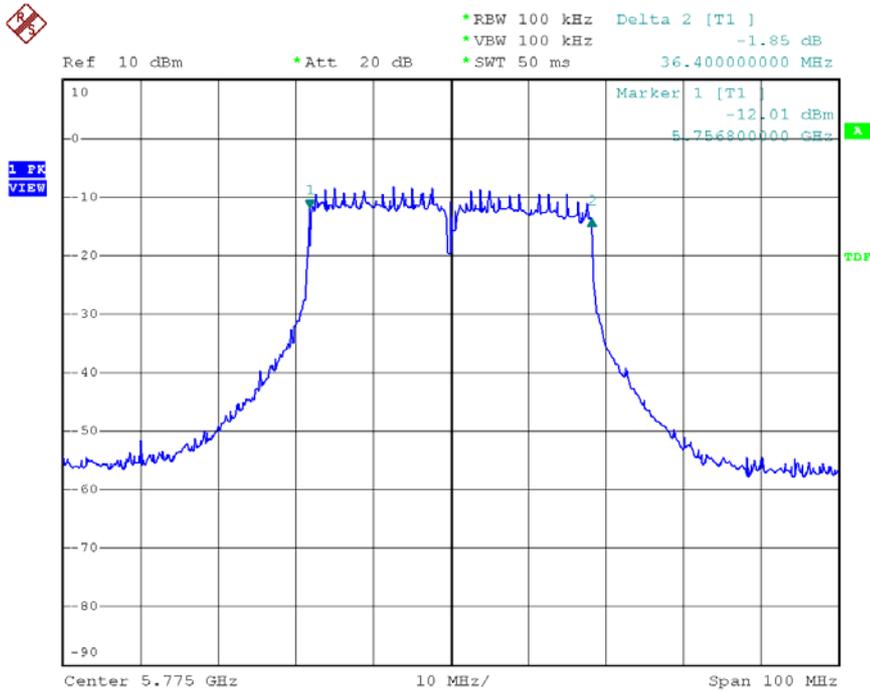
Date: 1.MAY.2008 20:18:55

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-R)  
Channel: 151



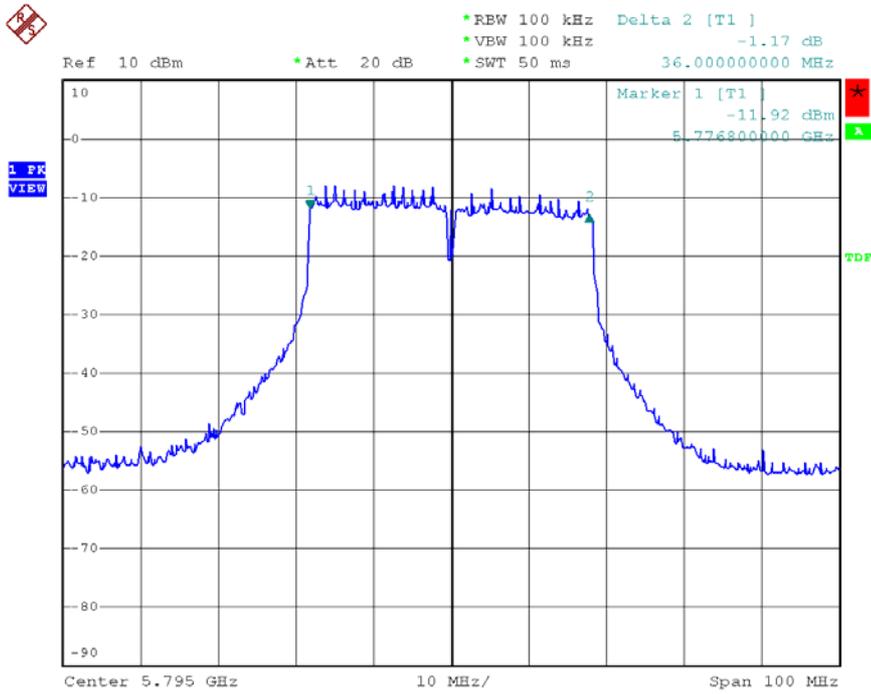
Date: 1.MAY.2008 20:08:16

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-R)  
Channel: 155



Date: 1.MAY.2008 20:15:59

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-R)  
Channel: 159



Date: 1.MAY.2008 20:17:32

## 13. Maximum Peak Output Power (For 802.11a device)

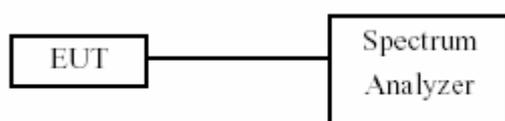
### 13.1 Test Limit

The Maximum Peak Output Power Measurement is 30dBm.

### 13.2 Test Procedures

The antenna port ( RF output ) of the EUT was connected to the input ( RF input ) of a power meter. Power was read directly from the meter and cable loss connection was added to the reading to obtain power at the EUT antenna terminal. The EUT Output Power was set to maximum to produce the worse case test result.

### 13.3 Test Setup Layout



### 13.4 List of Measuring Equipment Used

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date.
Spectrum Analyzer	FSP40	R&S	100047	2008/02/22	2009/02/21

### 13.5 Test Result and Data

(1) Modulation Standard: IEEE 802.11a (6Mbps), ANT-L

Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
149	5745	21.02	126.50
157	5785	21.07	27.90
165	5825	21.32	135.50

(2) Modulation Standard: IEEE 802.11a (6Mbps), ANT-M

Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
149	5745	21.15	130.30
157	5785	20.63	115.60
165	5825	21.10	128.80

(3) Modulation Standard: IEEE 802.11a (6Mbps), ANT-R

Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
149	5745	21.99	158.10
157	5785	22.20	166.00
165	5825	21.75	149.60

- (4) Modulation Standard: IEEE 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R  
 Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Peak Power Output (dBm)		Peak Power Output	
		ANT-L	ANT-R	Total (dBm)	Total (mW)
149	5745	21.01	22.16	24.63	290.62
157	5785	21.11	21.98	24.58	286.88
165	5825	20.01	21.56	23.86	243.45

- (5) Modulation Standard: IEEE 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R  
 Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Peak Power Output (dBm)		Peak Power Output	
		ANT-L	ANT-R	Total (dBm)	Total (mW)
151	5755	20.38	22.50	24.58	286.97
155	5775	20.31	22.19	24.36	272.98
159	5795	20.59	21.76	24.22	264.52

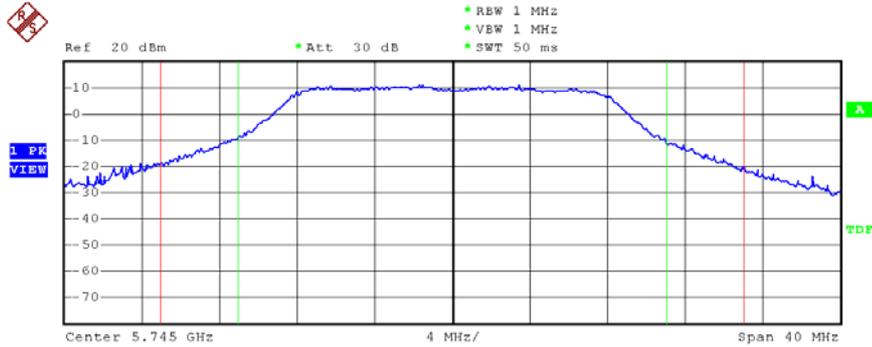
- (6) Modulation Standard: IEEE 802.11an, HT20 (6.5Mbps), ANT-ALL  
 Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Peak Power Output (dBm)			Peak Power Output	
		ANT-L	ANT-M	ANT-R	Total (dBm)	Total (mW)
149	5745	20.82	20.16	21.82	25.76	376.59
157	5785	20.65	20.51	22.26	25.99	396.87
165	5825	20.41	20.34	21.77	25.66	368.36

- (7) Modulation Standard: IEEE 802.11an, HT40 (13.5Mbps), ANT-ALL  
 Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Peak Power Output (dBm)			Peak Power Output	
		ANT-L	ANT-M	ANT-R	Total (dBm)	Total (mW)
151	5755	20.71	21.56	23.01	26.64	460.97
155	5775	20.70	21.33	22.23	26.24	420.46
159	5795	19.94	20.97	22.82	26.13	410.64

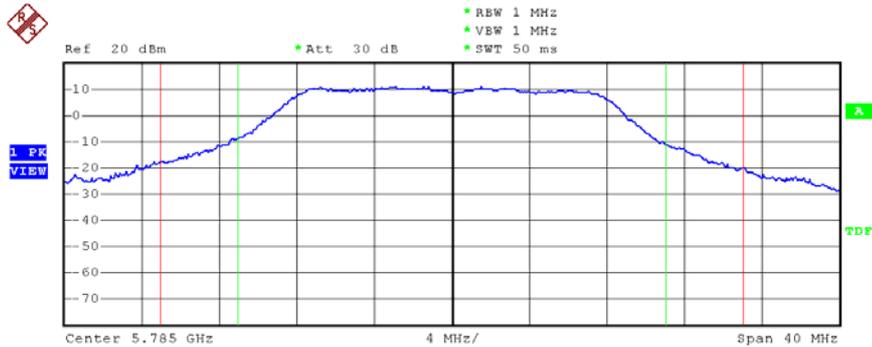
Modulation Standard: 802.11a (6Mbps), ANT-L  
 Channel: 149



<b>Tx Channel</b>			
Bandwidth	30 MHz	Power	21.02 dBm
<b>Adjacent Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	16.5 MHz	Upper	-----
<b>Alternate Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

Date: 5.MAY.2008 13:34:33

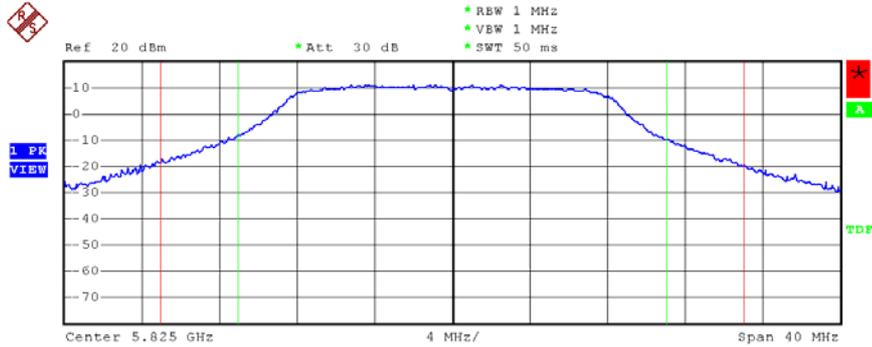
Modulation Standard: 802.11a (6Mbps), ANT-L  
 Channel: 157



<b>Tx Channel</b>			
Bandwidth	30 MHz	Power	21.07 dBm
<b>Adjacent Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	16.5 MHz	Upper	-----
<b>Alternate Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

Date: 5.MAY.2008 13:36:38

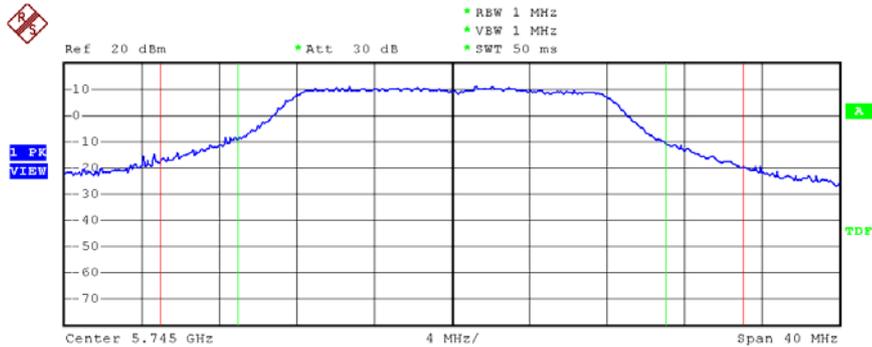
Modulation Standard: 802.11a (6Mbps), ANT-L  
 Channel: 165



<b>Tx Channel</b>			
Bandwidth	30 MHz	Power	21.32 dBm
<b>Adjacent Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	16.5 MHz	Upper	-----
<b>Alternate Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

Date: 5.MAY.2008 13:38:56

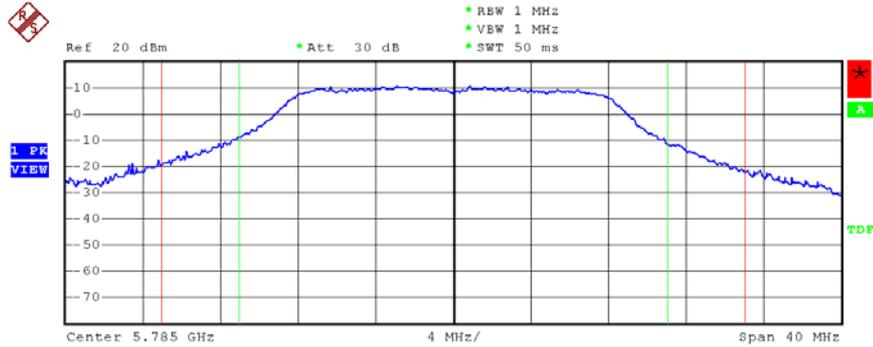
Modulation Standard: 802.11a (6Mbps), ANT-M  
 Channel: 149



<b>Tx Channel</b>			
Bandwidth	30 MHz	Power	21.15 dBm
<b>Adjacent Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	16.5 MHz	Upper	-----
<b>Alternate Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

Date: 5.MAY.2008 13:41:25

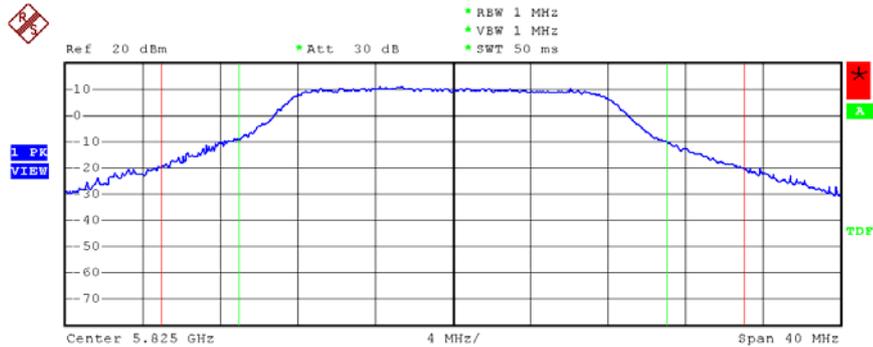
Modulation Standard: 802.11a (6Mbps), ANT-M  
 Channel: 157



<b>Tx Channel</b>			
Bandwidth	30 MHz	Power	20.63 dBm
<b>Adjacent Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	16.5 MHz	Upper	-----
<b>Alternate Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

Date: 5.MAY.2008 13:42:10

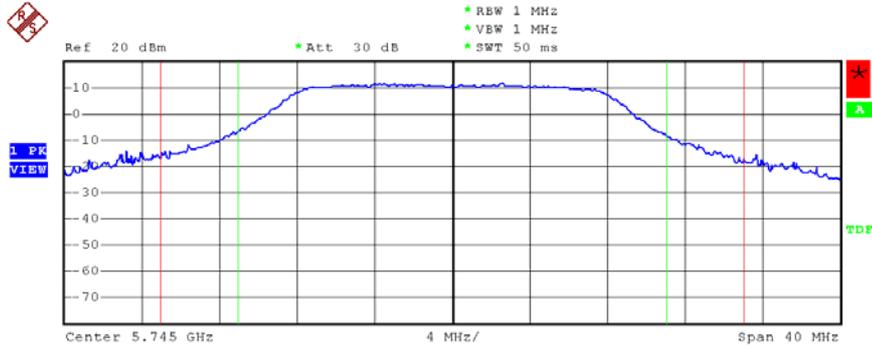
Modulation Standard: 802.11a (6Mbps), ANT-M  
 Channel: 165



<b>Tx Channel</b>			
Bandwidth	30 MHz	Power	21.10 dBm
<b>Adjacent Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	16.5 MHz	Upper	-----
<b>Alternate Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

Date: 5.MAY.2008 13:43:20

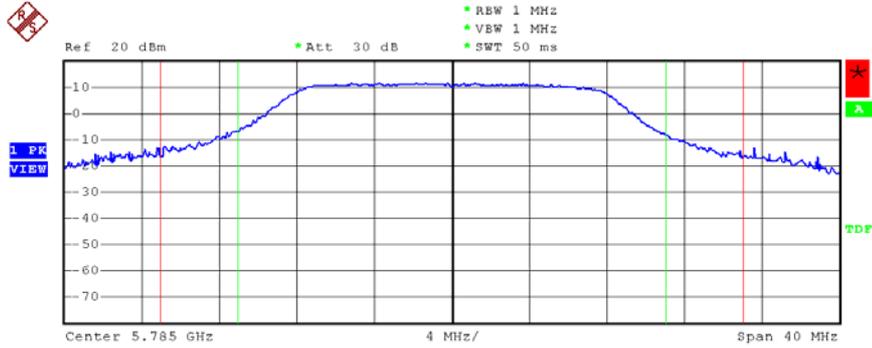
Modulation Standard: 802.11a (6Mbps), ANT-R  
 Channel: 149



<b>Tx Channel</b>			
Bandwidth	30 MHz	Power	21.99 dBm
<b>Adjacent Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	16.5 MHz	Upper	-----
<b>Alternate Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

Date: 5.MAY.2008 13:46:43

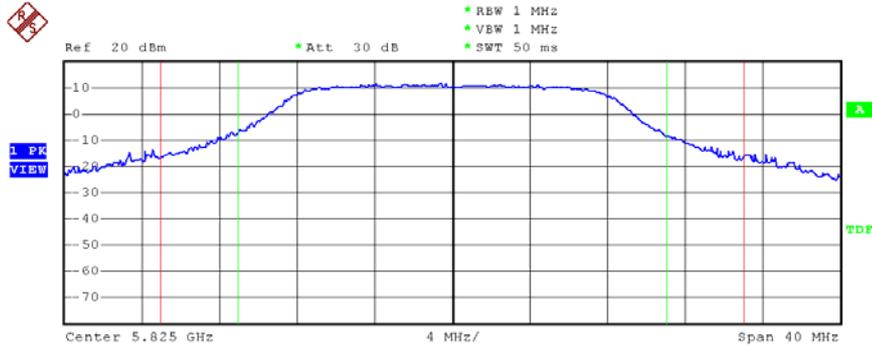
Modulation Standard: 802.11a (6Mbps), ANT-R  
 Channel: 157



<b>Tx Channel</b>			
Bandwidth	30 MHz	Power	22.20 dBm
<b>Adjacent Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	16.5 MHz	Upper	-----
<b>Alternate Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

Date: 5.MAY.2008 13:45:55

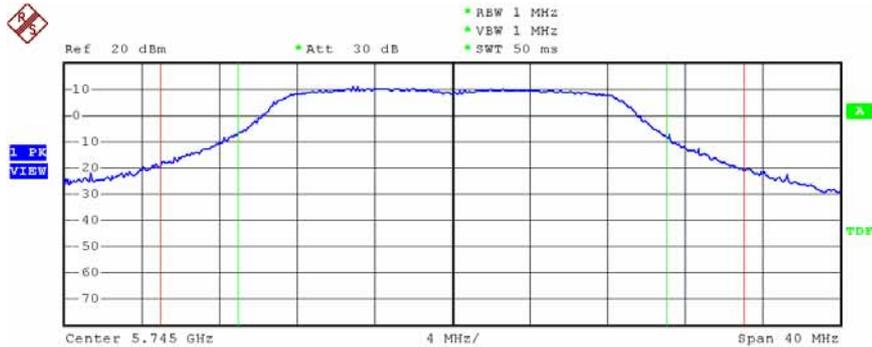
Modulation Standard: 802.11a (6Mbps), ANT-R  
 Channel: 165



<b>Tx Channel</b>			
Bandwidth	30 MHz	Power	21.75 dBm
<b>Adjacent Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	16.5 MHz	Upper	-----
<b>Alternate Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

Date: 5.MAY.2008 13:45:12

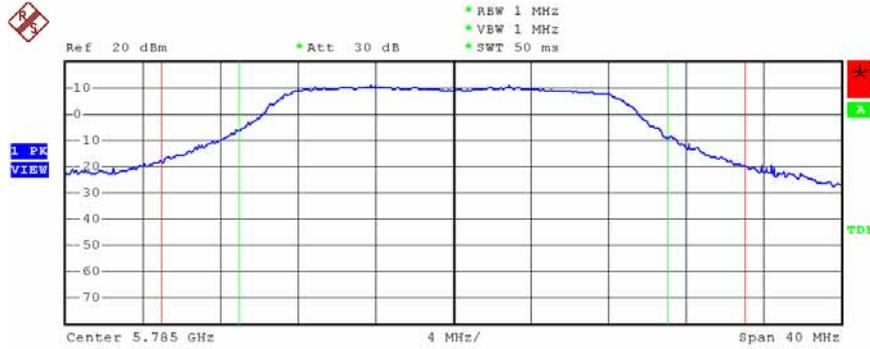
Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R (ANT-L)  
 Channel: 149



<b>Tx Channel</b>			
Bandwidth	30 MHz	Power	21.01 dBm
<b>Adjacent Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	16.5 MHz	Upper	-----
<b>Alternate Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

Date: 5.MAY.2008 13:53:35

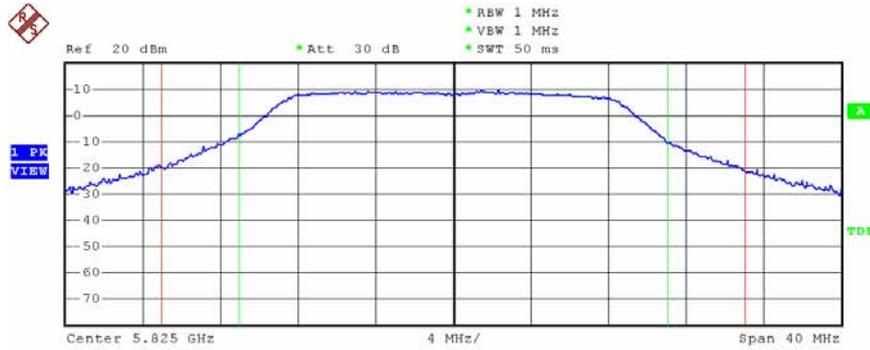
Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R (ANT-L)  
 Channel: 157



<b>Tx Channel</b>			
Bandwidth	30 MHz	Power	21.11 dBm
<b>Adjacent Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	16.5 MHz	Upper	-----
<b>Alternate Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

Date: 5.MAY.2008 13:55:34

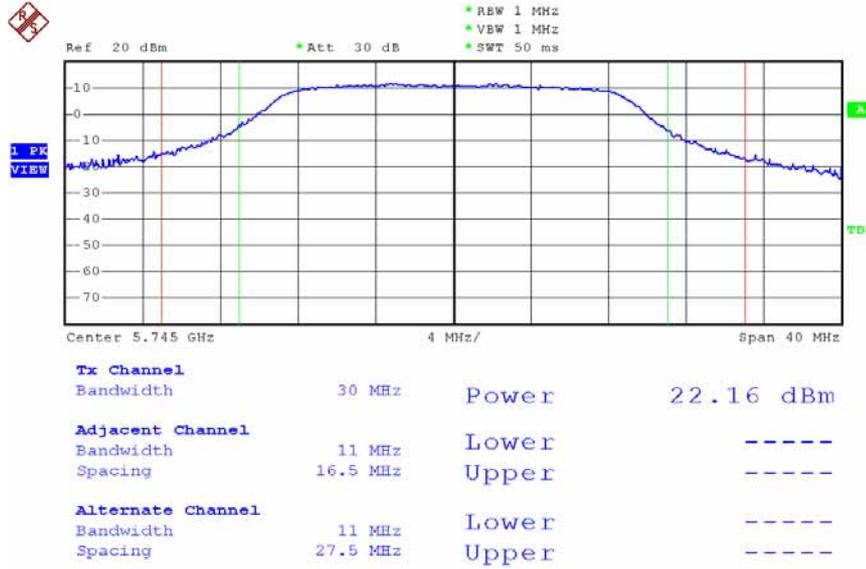
Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R (ANT-L)  
 Channel: 165



<b>Tx Channel</b>			
Bandwidth	30 MHz	Power	20.01 dBm
<b>Adjacent Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	16.5 MHz	Upper	-----
<b>Alternate Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

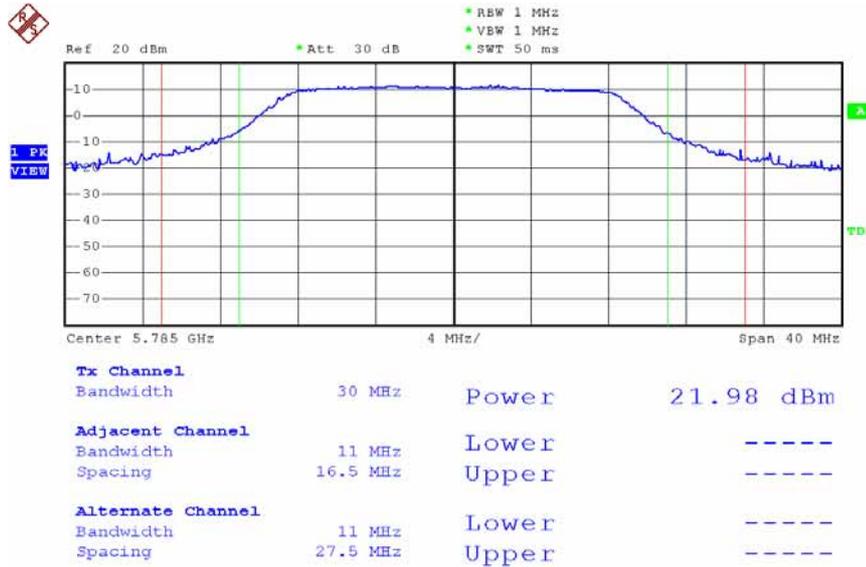
Date: 5.MAY.2008 13:59:32

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R (ANT-R)  
 Channel: 149



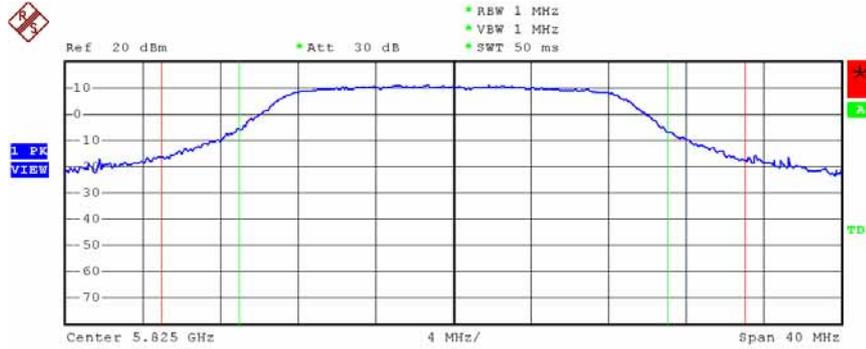
Date: 5.MAY.2008 13:51:53

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R (ANT-R)  
 Channel: 157



Date: 5.MAY.2008 13:56:51

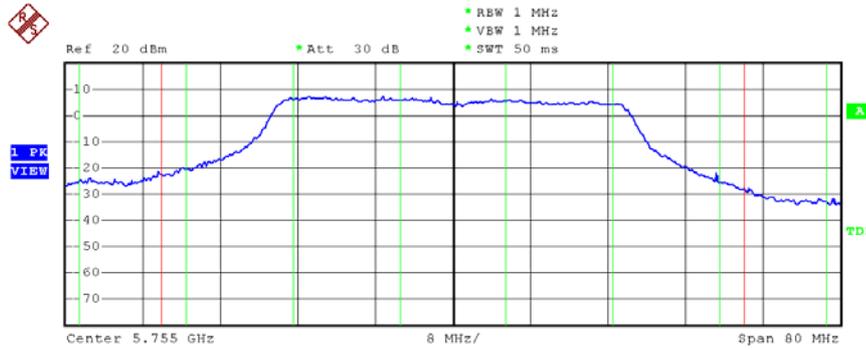
Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R (ANT-R)  
 Channel: 165



<b>Tx Channel</b>			
Bandwidth	30 MHz	Power	21.56 dBm
<b>Adjacent Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	16.5 MHz	Upper	-----
<b>Alternate Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

Date: 5.MAY.2008 13:58:30

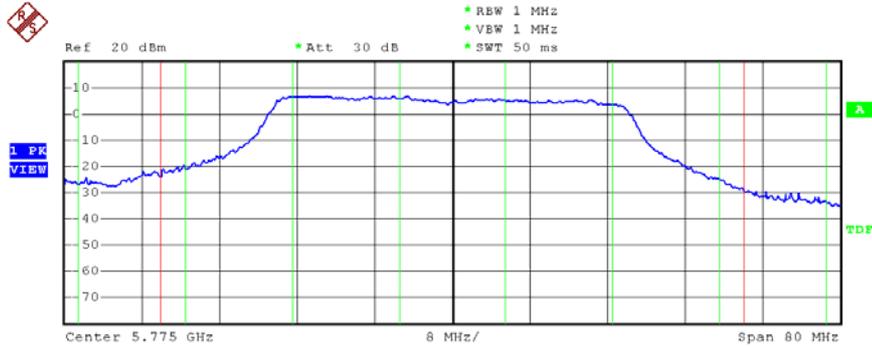
Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R (ANT-L)  
 Channel: 151



<b>Tx Channel</b>			
Bandwidth	60 MHz	Power	20.38 dBm
<b>Adjacent Channel</b>			
Bandwidth	22 MHz	Lower	-3.84 dB
Spacing	16.5 MHz	Upper	-5.36 dB
<b>Alternate Channel</b>			
Bandwidth	22 MHz	Lower	-12.35 dB
Spacing	27.5 MHz	Upper	-14.34 dB

Date: 5.MAY.2008 14:03:52

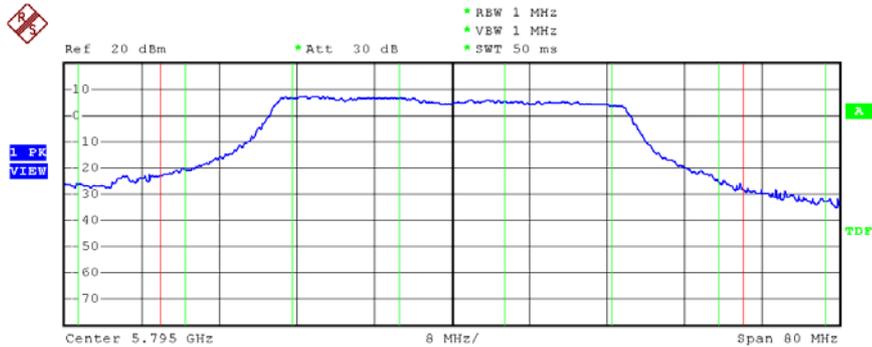
Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R (ANT-L)  
 Channel: 155



<b>Tx Channel</b>			
Bandwidth	60 MHz	Power	20.31 dBm
<b>Adjacent Channel</b>			
Bandwidth	22 MHz	Lower	-3.72 dB
Spacing	16.5 MHz	Upper	-5.50 dB
<b>Alternate Channel</b>			
Bandwidth	22 MHz	Lower	-11.95 dB
Spacing	27.5 MHz	Upper	-14.95 dB

Date: 5.MAY.2008 14:07:36

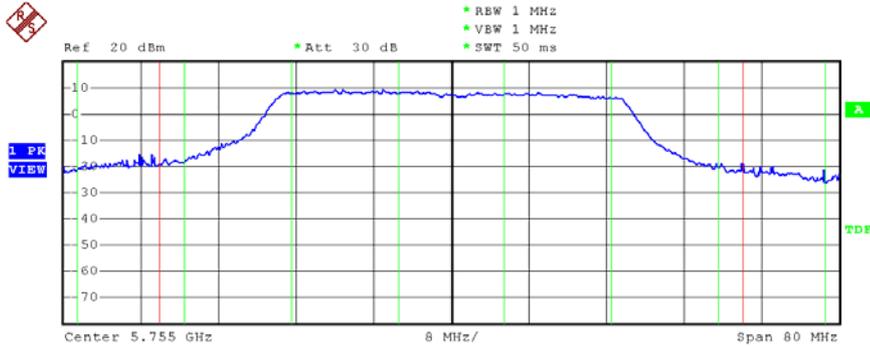
Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R (ANT-L)  
 Channel: 159



<b>Tx Channel</b>			
Bandwidth	60 MHz	Power	20.59 dBm
<b>Adjacent Channel</b>			
Bandwidth	22 MHz	Lower	-3.58 dB
Spacing	16.5 MHz	Upper	-5.63 dB
<b>Alternate Channel</b>			
Bandwidth	22 MHz	Lower	-11.81 dB
Spacing	27.5 MHz	Upper	-14.66 dB

Date: 5.MAY.2008 14:16:28

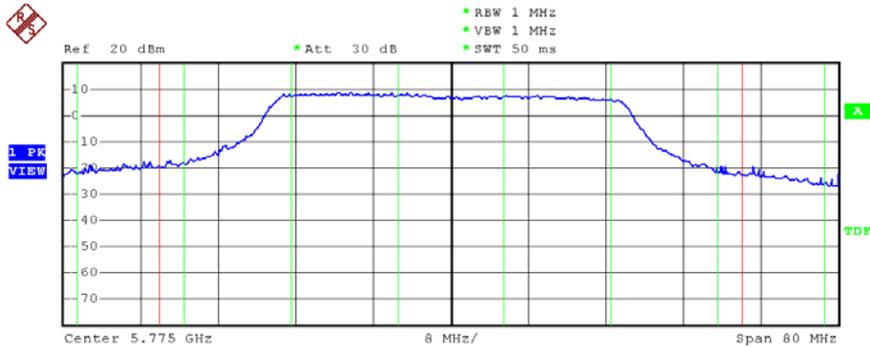
Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R (ANT-R)  
 Channel: 151



<b>Tx Channel</b>		Bandwidth	60 MHz	Power	22.50 dBm
<b>Adjacent Channel</b>		Bandwidth	22 MHz	Lower	-3.98 dB
		Spacing	16.5 MHz	Upper	-5.26 dB
<b>Alternate Channel</b>		Bandwidth	22 MHz	Lower	-12.63 dB
		Spacing	27.5 MHz	Upper	-14.36 dB

Date: 5.MAY.2008 14:04:51

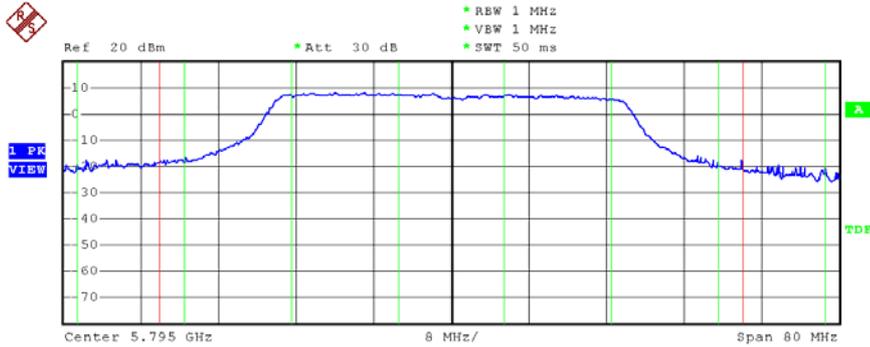
Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R (ANT-R)  
 Channel: 155



<b>Tx Channel</b>		Bandwidth	60 MHz	Power	22.19 dBm
<b>Adjacent Channel</b>		Bandwidth	22 MHz	Lower	-3.98 dB
		Spacing	16.5 MHz	Upper	-5.21 dB
<b>Alternate Channel</b>		Bandwidth	22 MHz	Lower	-12.47 dB
		Spacing	27.5 MHz	Upper	-14.44 dB

Date: 5.MAY.2008 14:05:46

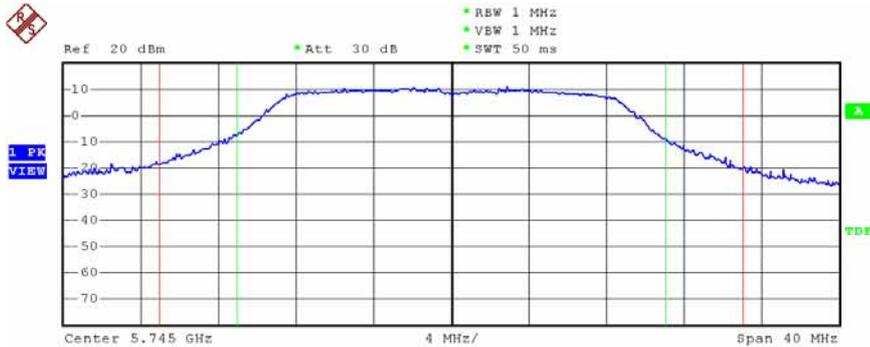
Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R (ANT-R)  
 Channel: 159



<b>Tx Channel</b>			
Bandwidth	60 MHz	Power	21.76 dBm
<b>Adjacent Channel</b>			
Bandwidth	22 MHz	Lower	-4.07 dB
Spacing	16.5 MHz	Upper	-5.10 dB
<b>Alternate Channel</b>			
Bandwidth	22 MHz	Lower	-12.56 dB
Spacing	27.5 MHz	Upper	-14.17 dB

Date: 5.MAY.2008 14:17:24

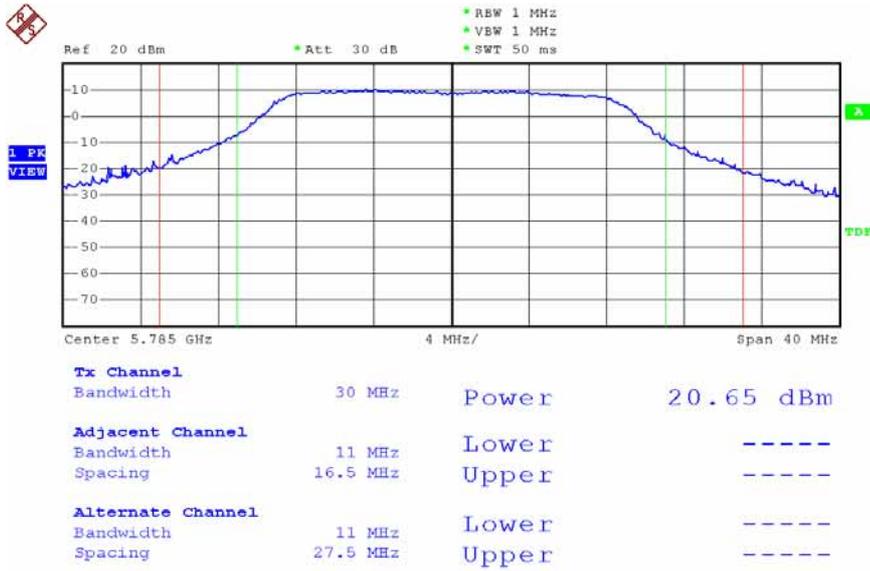
Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-L)  
 Channel: 149



<b>Tx Channel</b>			
Bandwidth	30 MHz	Power	20.82 dBm
<b>Adjacent Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	16.5 MHz	Upper	-----
<b>Alternate Channel</b>			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

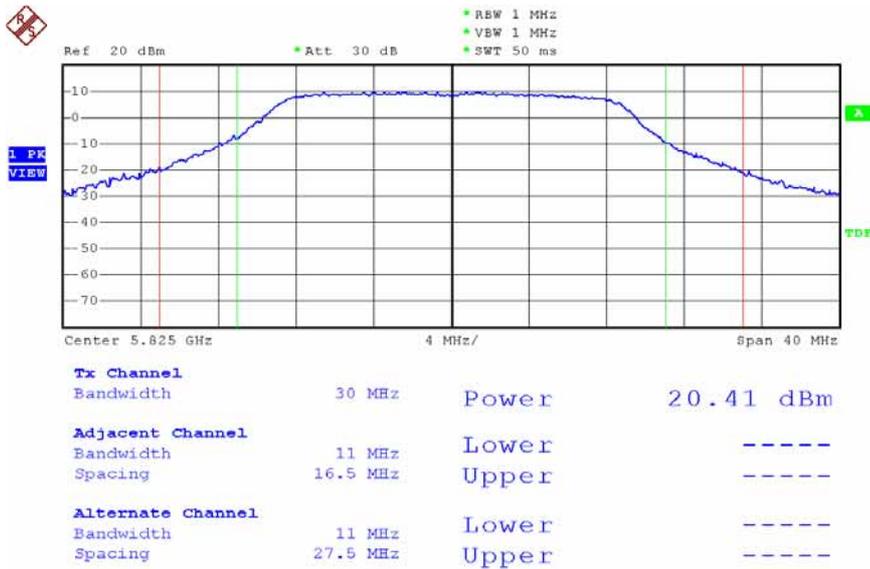
Date: 5.MAY.2008 14:28:45

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-L)  
 Channel: 157



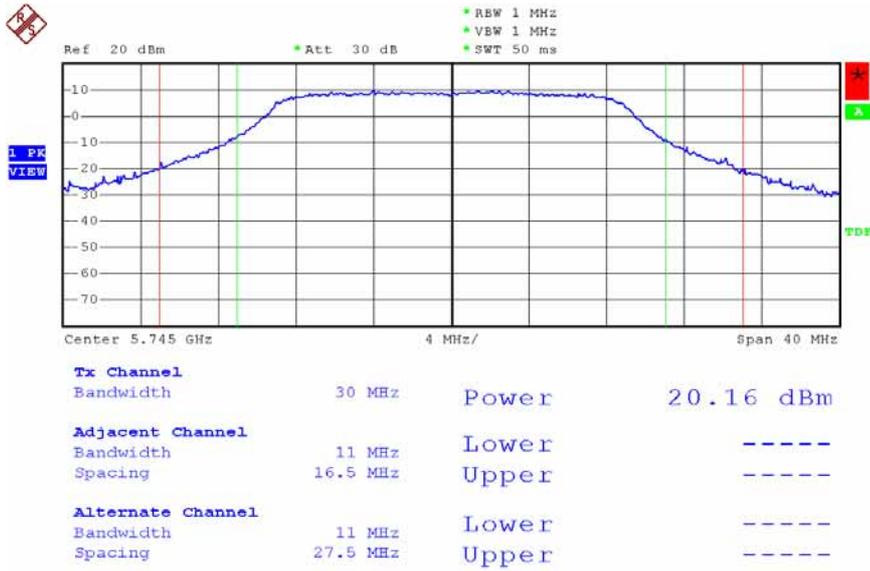
Date: 5.MAY.2008 14:30:51

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-L)  
 Channel: 165



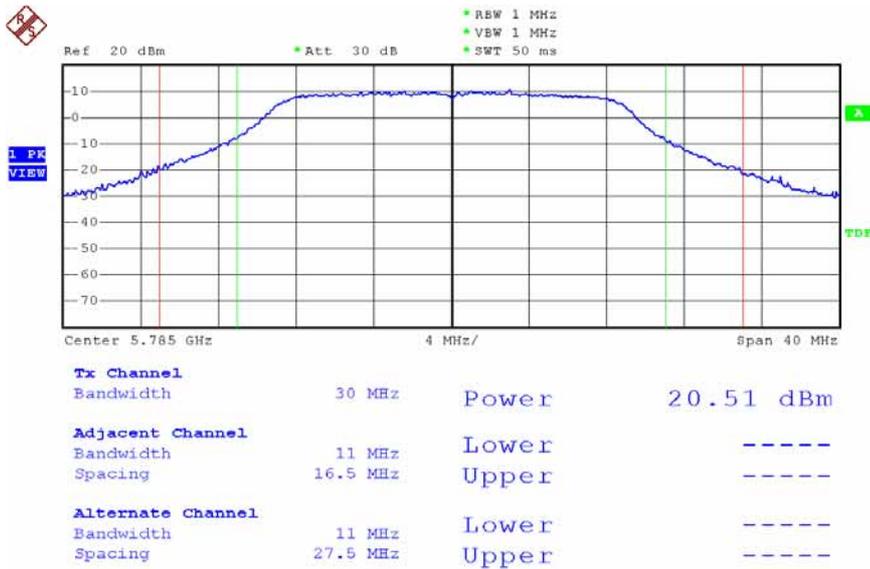
Date: 5.MAY.2008 14:31:38

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-M)  
 Channel: 149



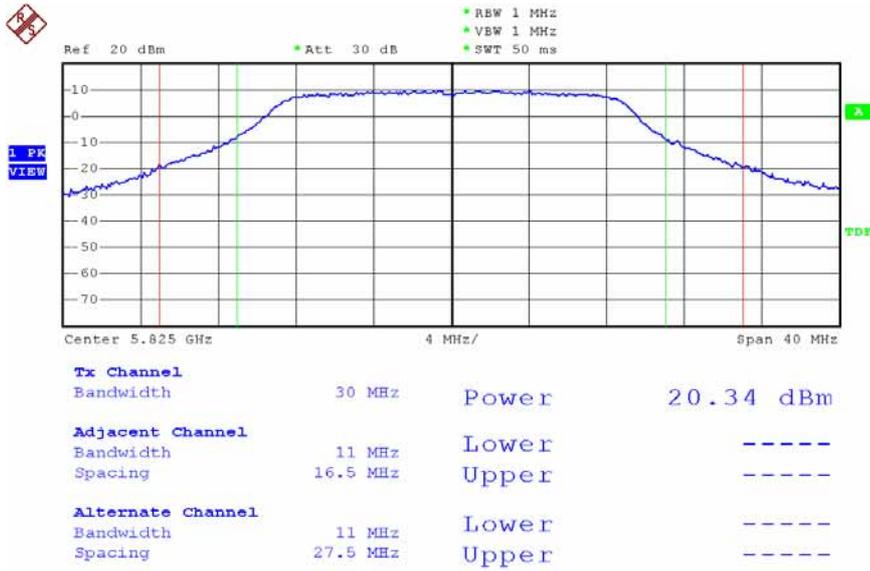
Date: 5.MAY.2008 14:27:43

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-M)  
 Channel: 157



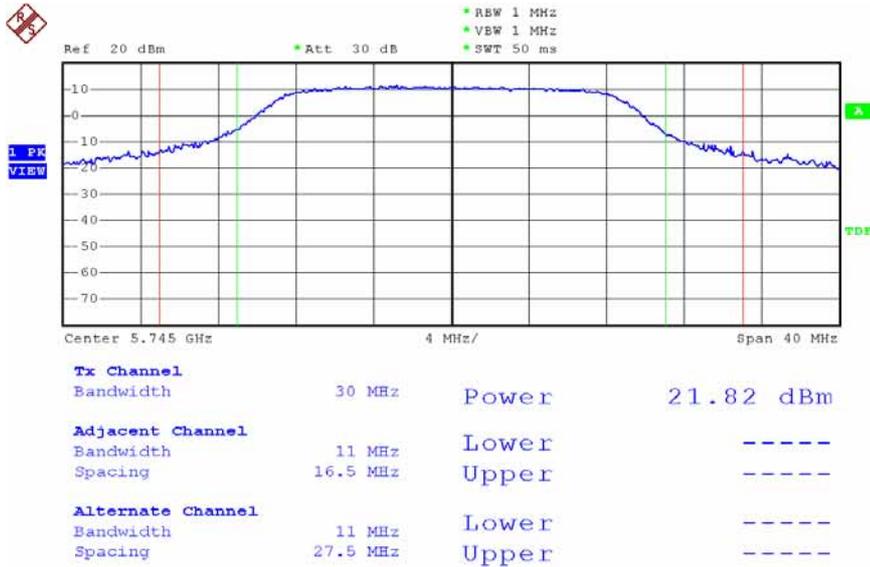
Date: 5.MAY.2008 14:26:35

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-M)  
 Channel: 165



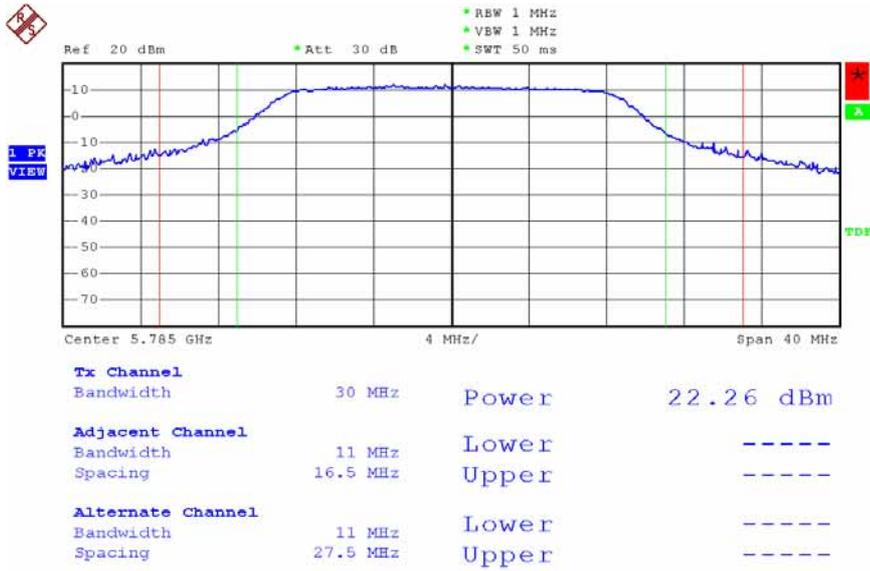
Date: 5.MAY.2008 14:25:17

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-R)  
 Channel: 149



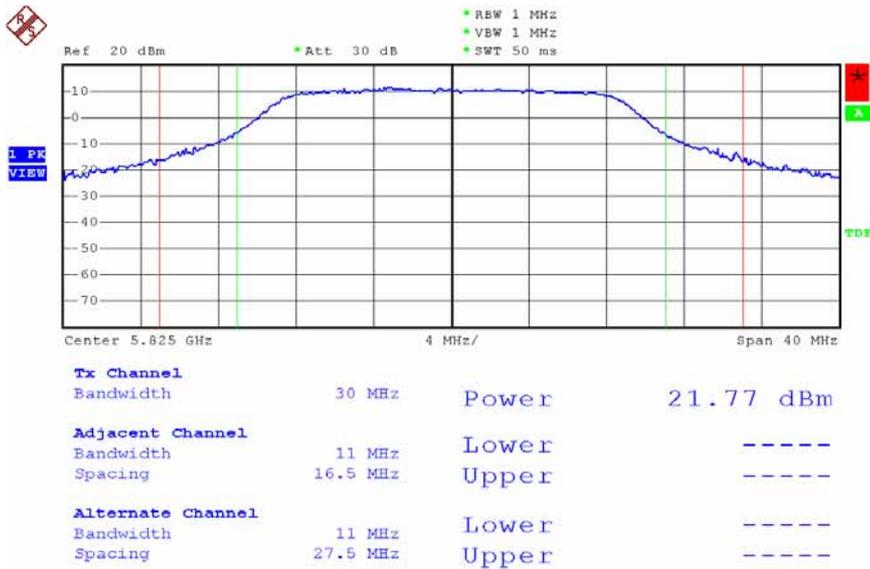
Date: 5.MAY.2008 14:21:24

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-R)  
 Channel: 157



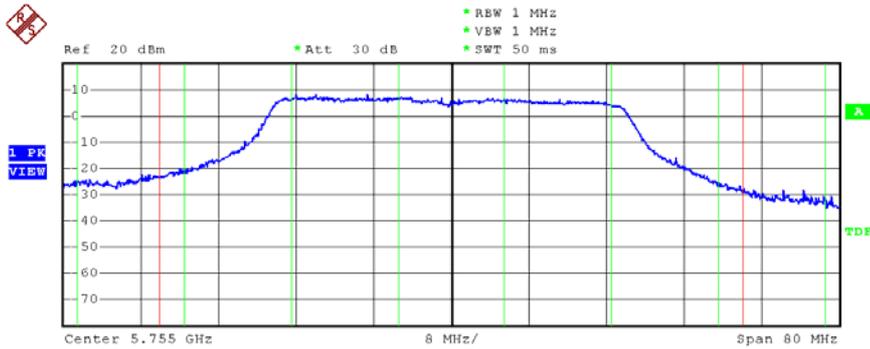
Date: 5.MAY.2008 14:22:33

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-R)  
 Channel: 165



Date: 5.MAY.2008 14:24:23

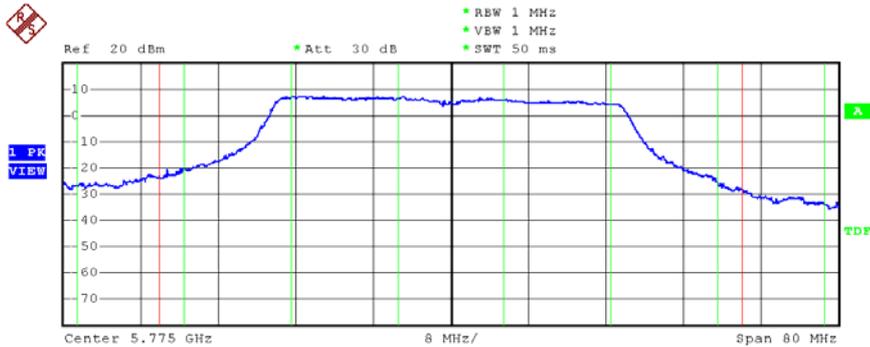
Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-L)  
 Channel: 151



<b>Tx Channel</b>			
Bandwidth	60 MHz	Power	20.71 dBm
<b>Adjacent Channel</b>			
Bandwidth	22 MHz	Lower	-3.86 dB
Spacing	16.5 MHz	Upper	-5.36 dB
<b>Alternate Channel</b>			
Bandwidth	22 MHz	Lower	-12.20 dB
Spacing	27.5 MHz	Upper	-14.98 dB

Date: 5.MAY.2008 14:34:29

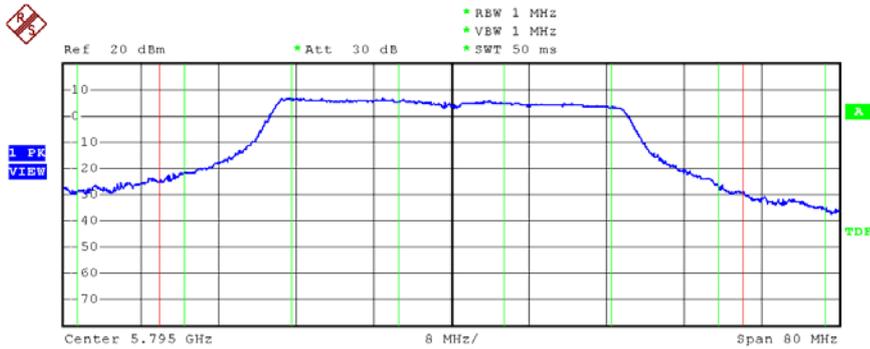
Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-L)  
 Channel: 155



<b>Tx Channel</b>			
Bandwidth	60 MHz	Power	20.70 dBm
<b>Adjacent Channel</b>			
Bandwidth	22 MHz	Lower	-3.74 dB
Spacing	16.5 MHz	Upper	-5.55 dB
<b>Alternate Channel</b>			
Bandwidth	22 MHz	Lower	-12.07 dB
Spacing	27.5 MHz	Upper	-14.84 dB

Date: 5.MAY.2008 14:35:56

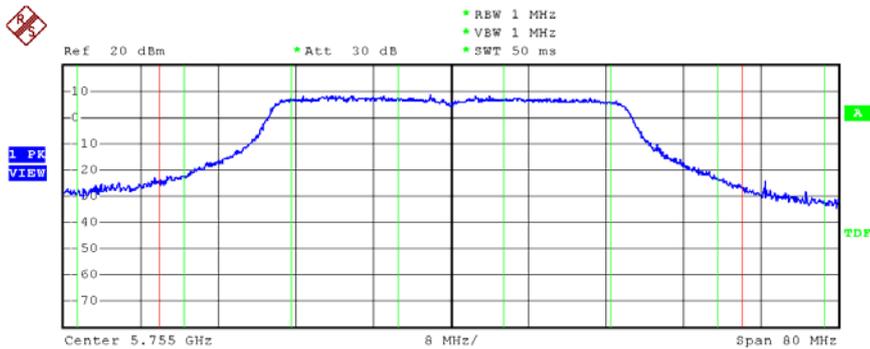
Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-L)  
 Channel: 159



<b>Tx Channel</b>			
Bandwidth	60 MHz	Power	19.94 dBm
<b>Adjacent Channel</b>			
Bandwidth	22 MHz	Lower	-3.64 dB
Spacing	16.5 MHz	Upper	-5.59 dB
<b>Alternate Channel</b>			
Bandwidth	22 MHz	Lower	-11.81 dB
Spacing	27.5 MHz	Upper	-14.88 dB

Date: 5.MAY.2008 14:38:20

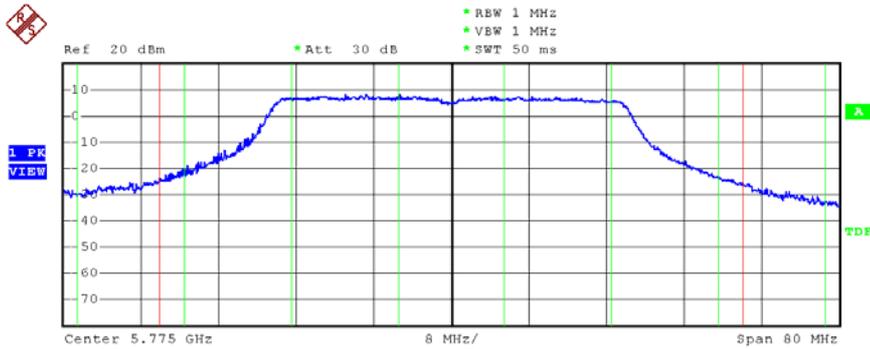
Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-M)  
 Channel: 151



<b>Tx Channel</b>			
Bandwidth	60 MHz	Power	21.56 dBm
<b>Adjacent Channel</b>			
Bandwidth	22 MHz	Lower	-4.19 dB
Spacing	16.5 MHz	Upper	-4.86 dB
<b>Alternate Channel</b>			
Bandwidth	22 MHz	Lower	-13.09 dB
Spacing	27.5 MHz	Upper	-13.93 dB

Date: 5.MAY.2008 14:42:17

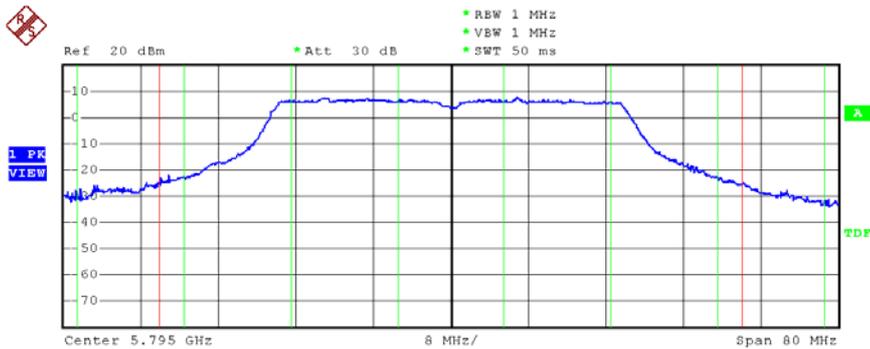
Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-M)  
 Channel: 155



<b>Tx Channel</b>			
Bandwidth	60 MHz	Power	21.33 dBm
<b>Adjacent Channel</b>			
Bandwidth	22 MHz	Lower	-4.19 dB
Spacing	16.5 MHz	Upper	-4.92 dB
<b>Alternate Channel</b>			
Bandwidth	22 MHz	Lower	-12.71 dB
Spacing	27.5 MHz	Upper	-13.90 dB

Date: 5.MAY.2008 14:41:02

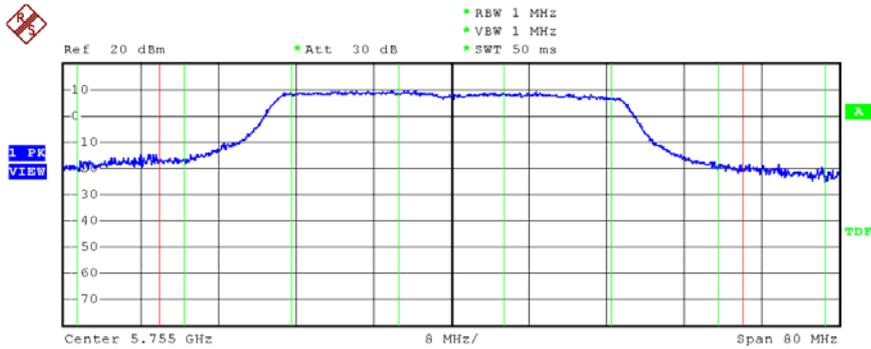
Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-M)  
 Channel: 159



<b>Tx Channel</b>			
Bandwidth	60 MHz	Power	20.97 dBm
<b>Adjacent Channel</b>			
Bandwidth	22 MHz	Lower	-4.25 dB
Spacing	16.5 MHz	Upper	-4.71 dB
<b>Alternate Channel</b>			
Bandwidth	22 MHz	Lower	-12.93 dB
Spacing	27.5 MHz	Upper	-13.52 dB

Date: 5.MAY.2008 14:39:27

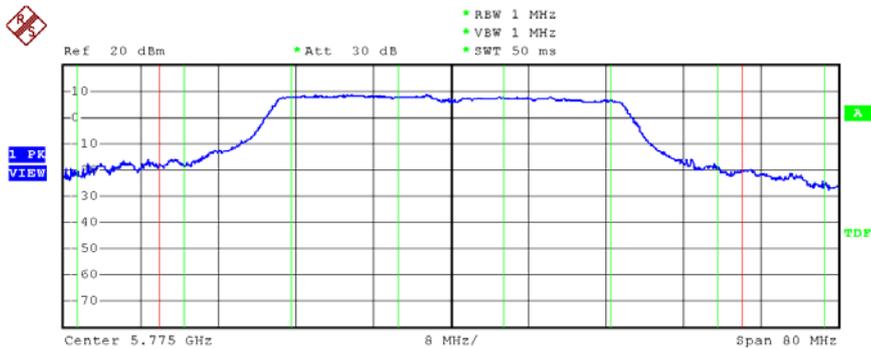
Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-R)  
 Channel: 151



<b>Tx Channel</b>		Bandwidth	60 MHz	Power	23.01 dBm
<b>Adjacent Channel</b>		Bandwidth	22 MHz	Lower	-4.04 dB
		Spacing	16.5 MHz	Upper	-5.19 dB
<b>Alternate Channel</b>		Bandwidth	22 MHz	Lower	-12.80 dB
		Spacing	27.5 MHz	Upper	-14.45 dB

Date: 5.MAY.2008 14:44:46

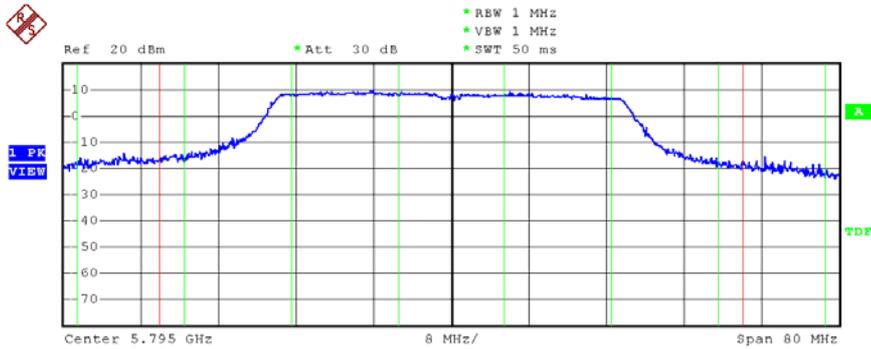
Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-R)  
 Channel: 155



<b>Tx Channel</b>		Bandwidth	60 MHz	Power	22.23 dBm
<b>Adjacent Channel</b>		Bandwidth	22 MHz	Lower	-3.97 dB
		Spacing	16.5 MHz	Upper	-5.21 dB
<b>Alternate Channel</b>		Bandwidth	22 MHz	Lower	-12.51 dB
		Spacing	27.5 MHz	Upper	-14.15 dB

Date: 5.MAY.2008 14:46:17

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-R)  
 Channel: 159



<b>Tx Channel</b>			
Bandwidth	60 MHz	Power	22.82 dBm
<b>Adjacent Channel</b>			
Bandwidth	22 MHz	Lower	-4.01 dB
Spacing	16.5 MHz	Upper	-5.14 dB
<b>Alternate Channel</b>			
Bandwidth	22 MHz	Lower	-12.48 dB
Spacing	27.5 MHz	Upper	-14.05 dB

Date: 5.MAY.2008 14:47:11

## 14. Band Edges Measurement (For 802.11a device)

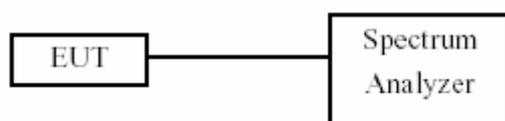
### 14.1 Test Limit

Below -20dB of the highest emission level of operating band  
(in 100kHz Resolution Bandwidth).

### 14.2 Test Procedure :

- The transmitter output was connected to the spectrum analyzer via a low lose cable.
- Set both RBW and VBW of spectrum analyzer to 100 KHz with convenient frequency span including 100 KHz bandwidth from band edge.
- The band edges was measured and recorded.

### 14.3 Test Setup Layout



### 14.4 List of Measuring Equipment Used

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date.
Spectrum Analyzer	FSP40	R&S	100047	2008/02/22	2009/02/21

### 14.5 Test Result and Data

- (1) Modulation Standard: IEEE 802.11a (6Mbps), ANT-L

Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Maximum Value In Frequency (MHz)	Maximum Value (dBm)
149	5745	40000.00	-45.94
165	5825	40000.00	-46.38

- (2) Modulation Standard: IEEE 802.11a (6Mbps), ANT-M

Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Maximum Value In Frequency (MHz)	Maximum Value (dBm)
149	5745	40000.00	-45.29
165	5825	40000.00	-46.70

- (3) Modulation Standard: IEEE 802.11a (6Mbps), ANT-R

Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Maximum Value In Frequency (MHz)	Maximum Value (dBm)
149	5745	40000.00	-46.25
165	5825	40000.00	-46.85

- (4) Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R  
 Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Maximum Value In Frequency (MHz)		Maximum Value (dBm)	
		ANT-L	ANT-R	ANT-L	ANT-R
149	5745	40000.00	40000.00	-44.33	-45.05
165	5825	40000.00	40000.00	-45.68	-45.06

- (5) Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R  
 Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Maximum Value In Frequency (MHz)		Maximum Value (dBm)	
		ANT-L	ANT-R	ANT-L	ANT-R
151	5755	40000.00	40000.00	-45.09	-45.82
159	5795	40000.00	40000.00	-47.11	-46.46

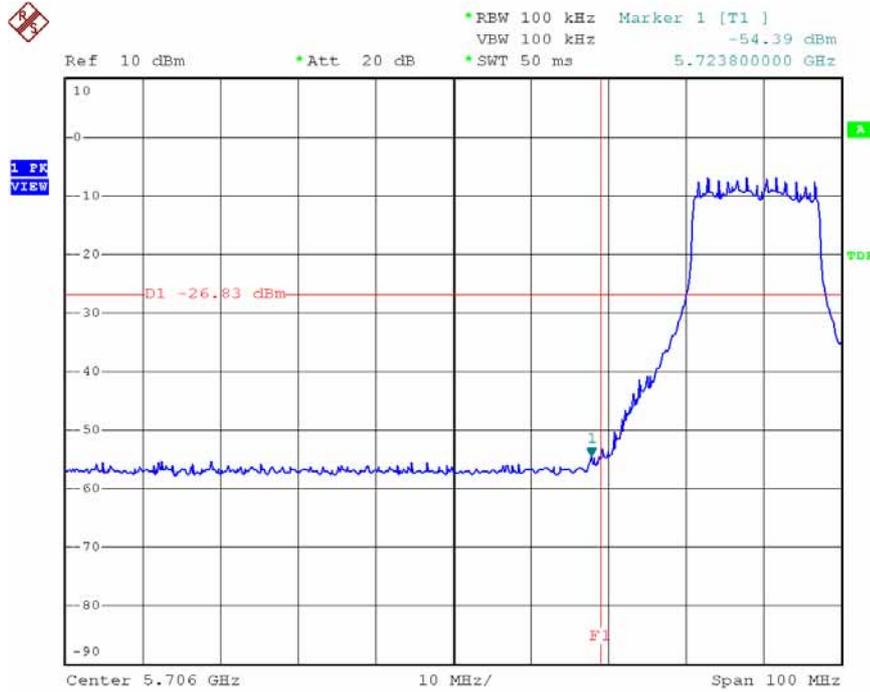
- (6) Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL  
 Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Maximum Value In Frequency (MHz)		Maximum Value (dBm)	
		ANT-L	ANT-R	ANT-L	ANT-R
149	5745	40000.00	40000.00	-44.33	-45.05
165	5825	40000.00	40000.00	-45.68	-45.06

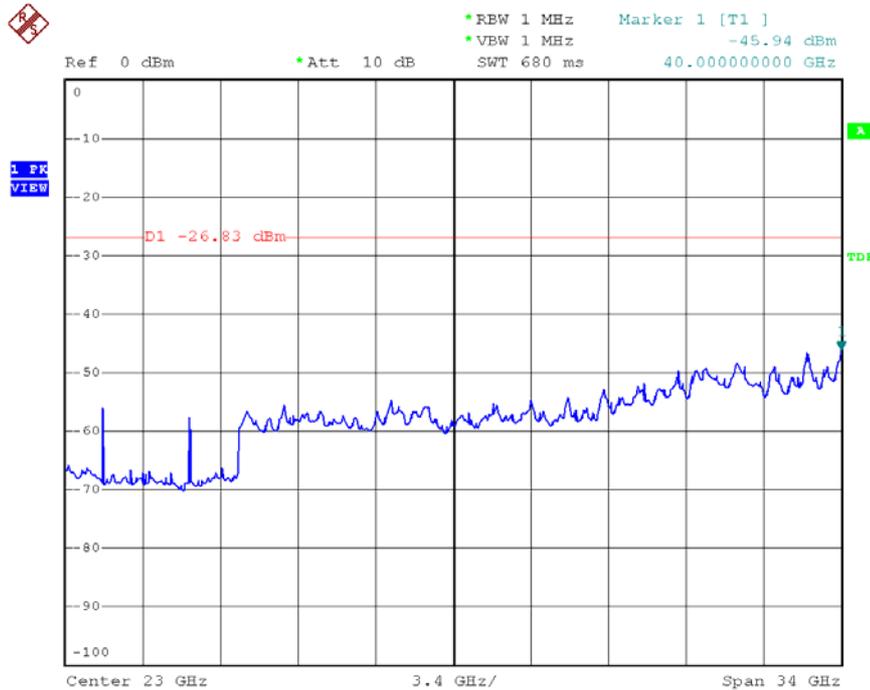
- (7) Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R  
 Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Maximum Value In Frequency (MHz)			Maximum Value (dBm)		
		ANT-L	ANT-M	ANT-R	ANT-L	ANT-M	ANT-R
151	5755	40000.00	40000.00	40000.00	-45.38	-46.29	-45.24
159	5795	40000.00	40000.00	40000.00	-46.21	-45.67	-46.54

Modulation Standard: 802.11a (6Mbps), ANT-L  
 Channel: 149

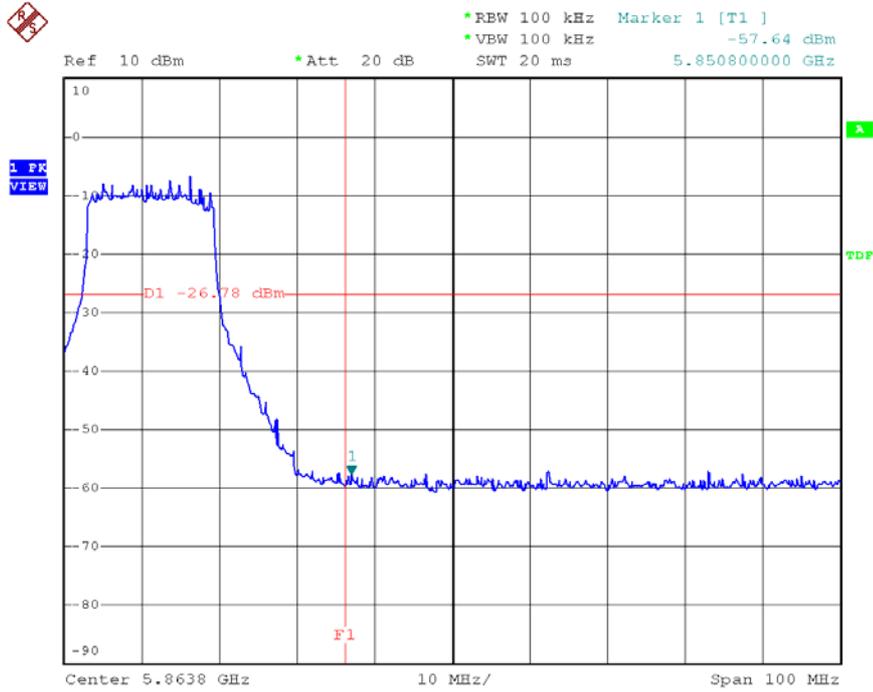


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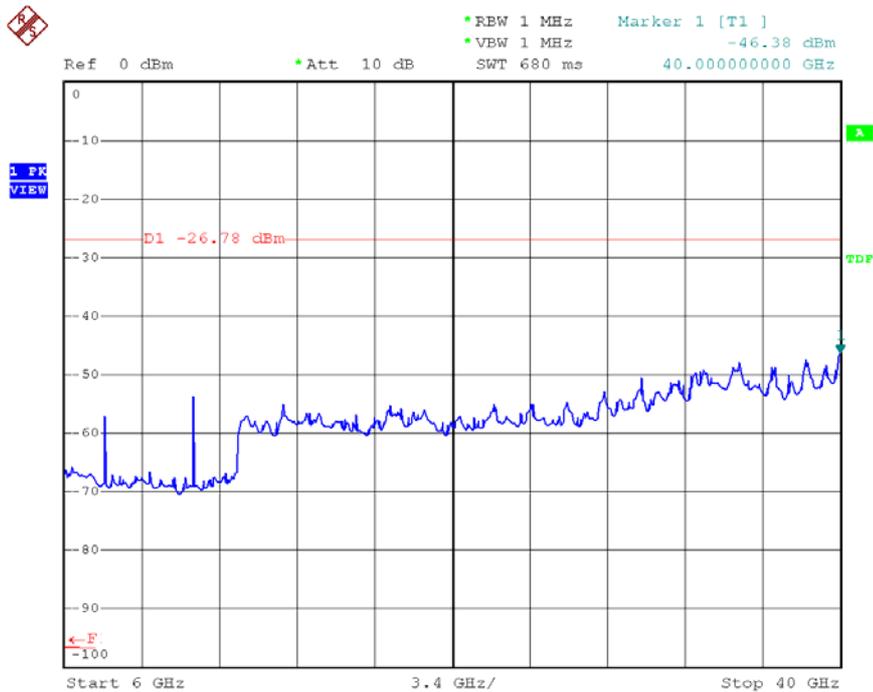


Date: 28.MAR.2008 13:44:57

Modulation Standard: 802.11a (6Mbps), ANT-L  
 Channel: 165

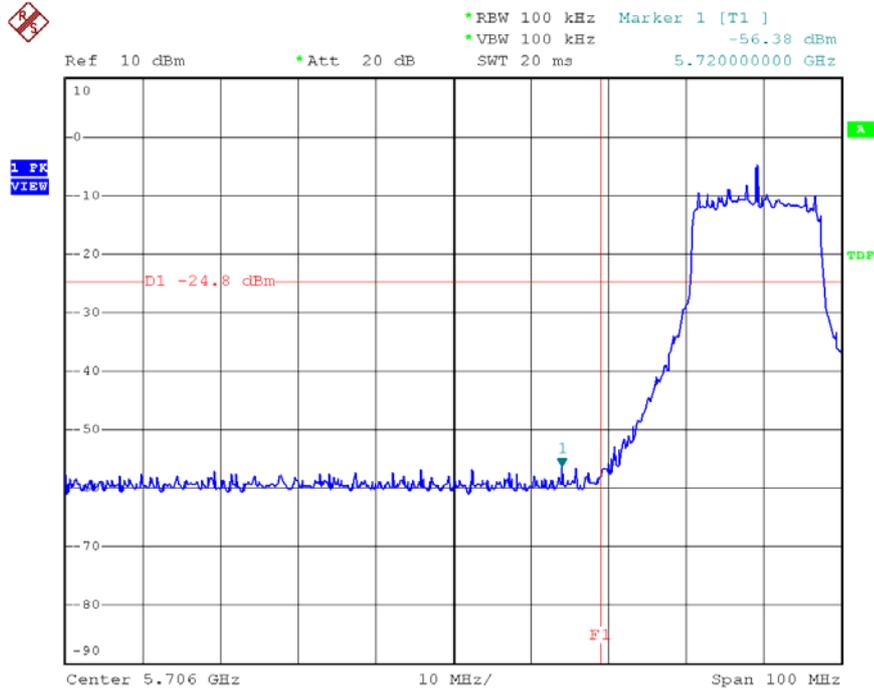


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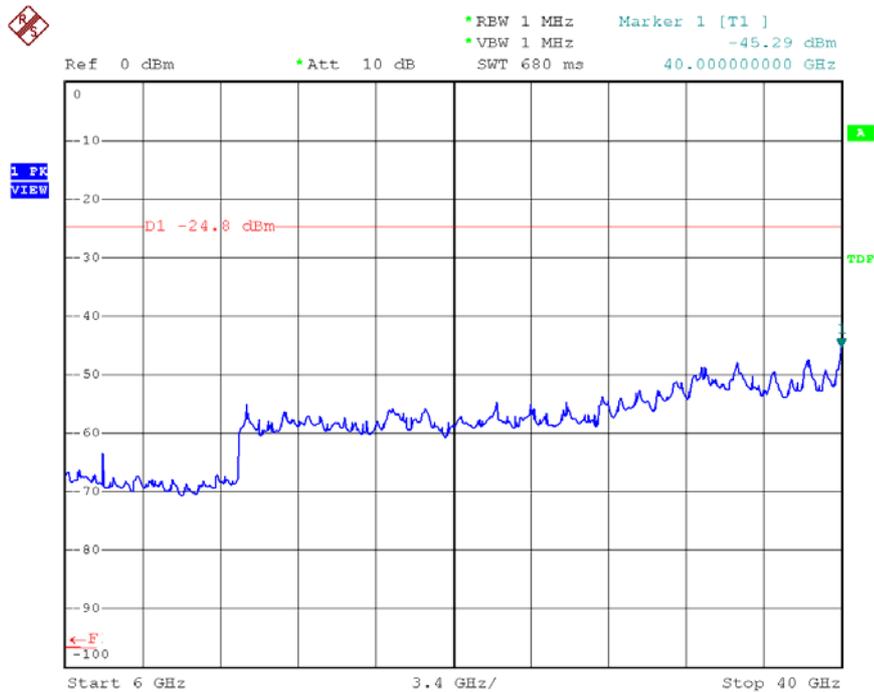


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Modulation Standard: 802.11a (6Mbps), ANT-M  
 Channel: 149

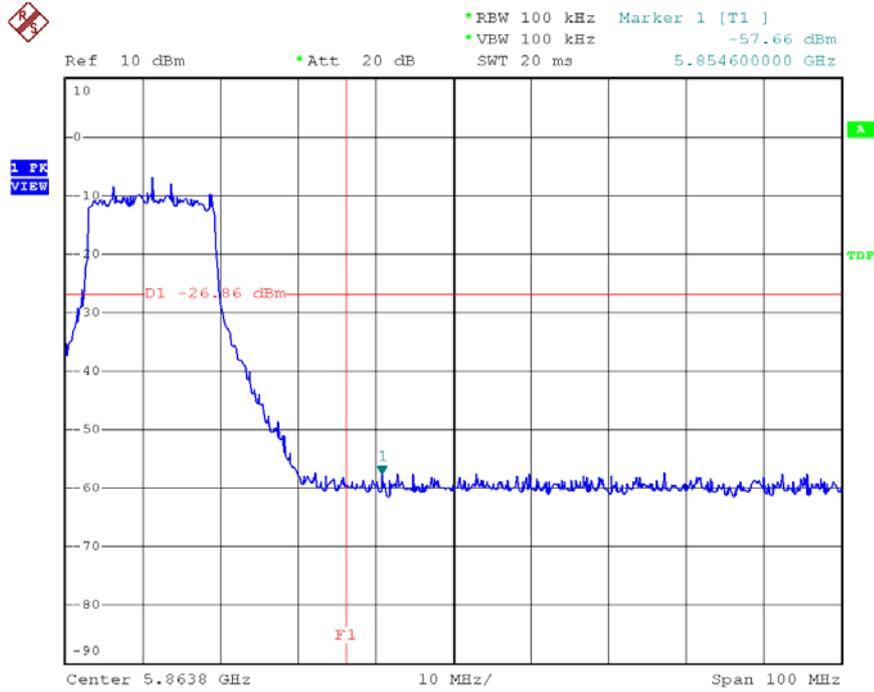


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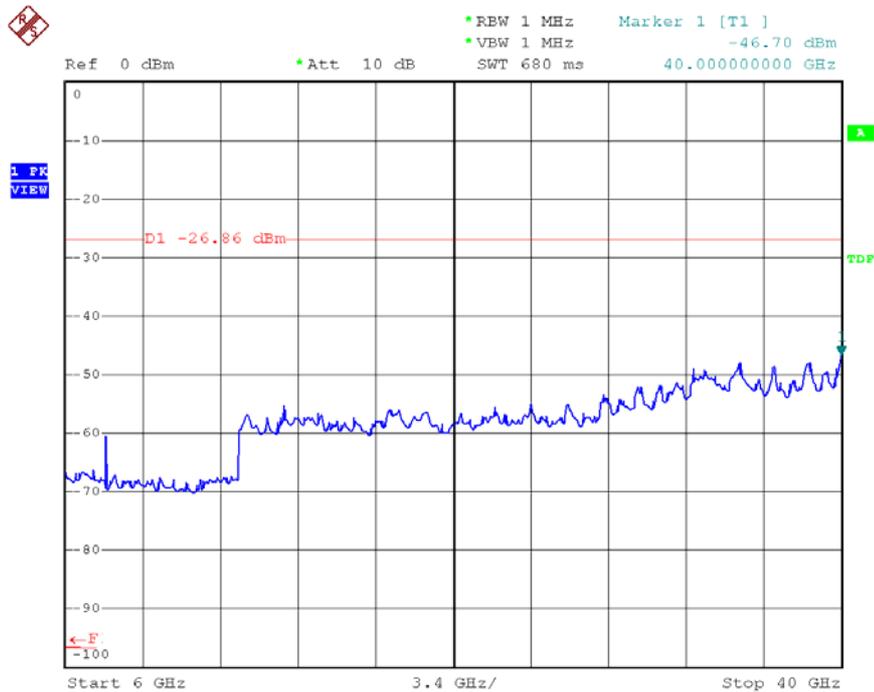


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Modulation Standard: 802.11a (6Mbps), ANT-M  
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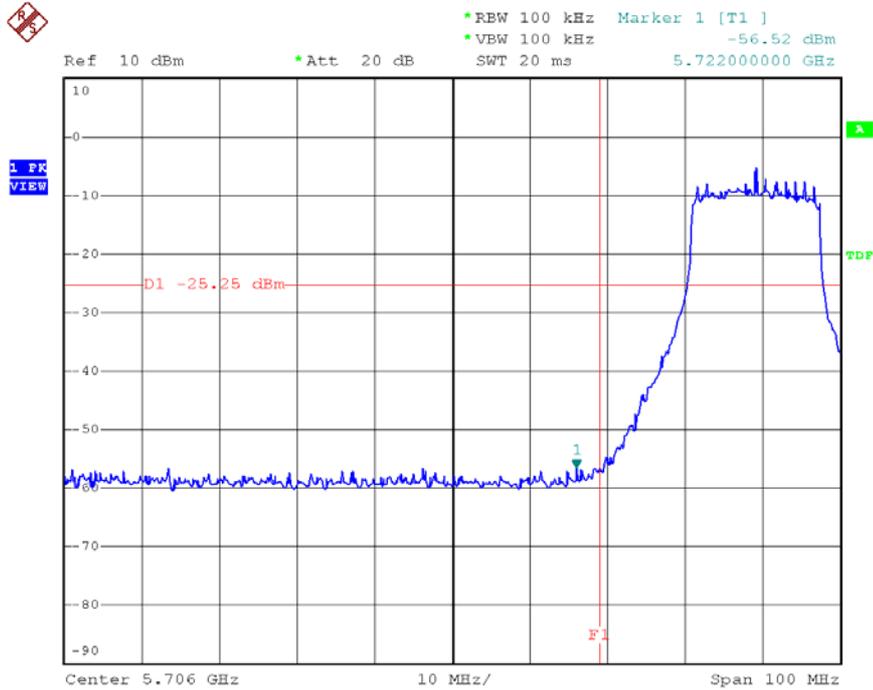


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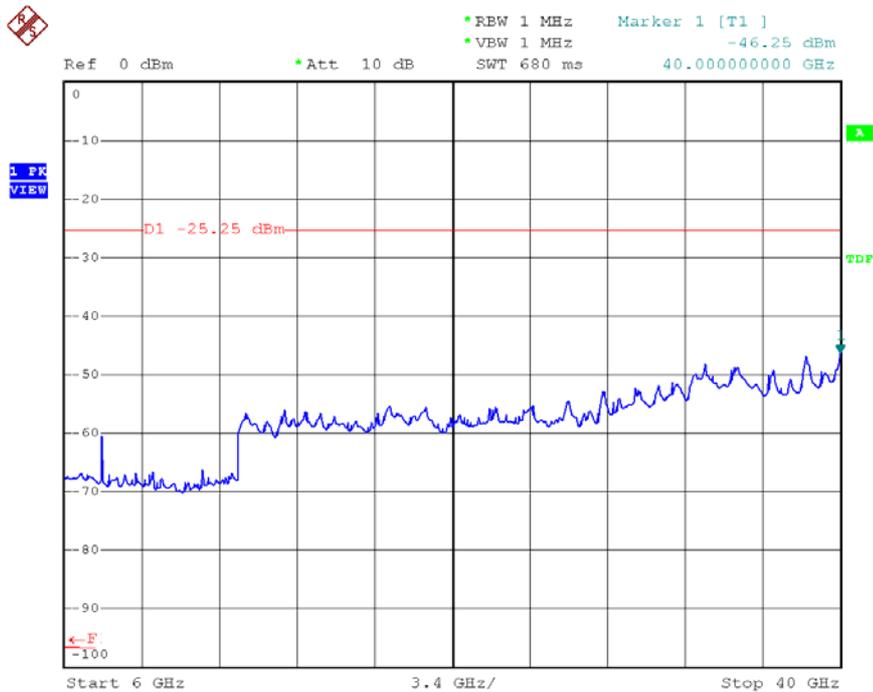


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Modulation Standard: 802.11a (6Mbps), ANT-R  
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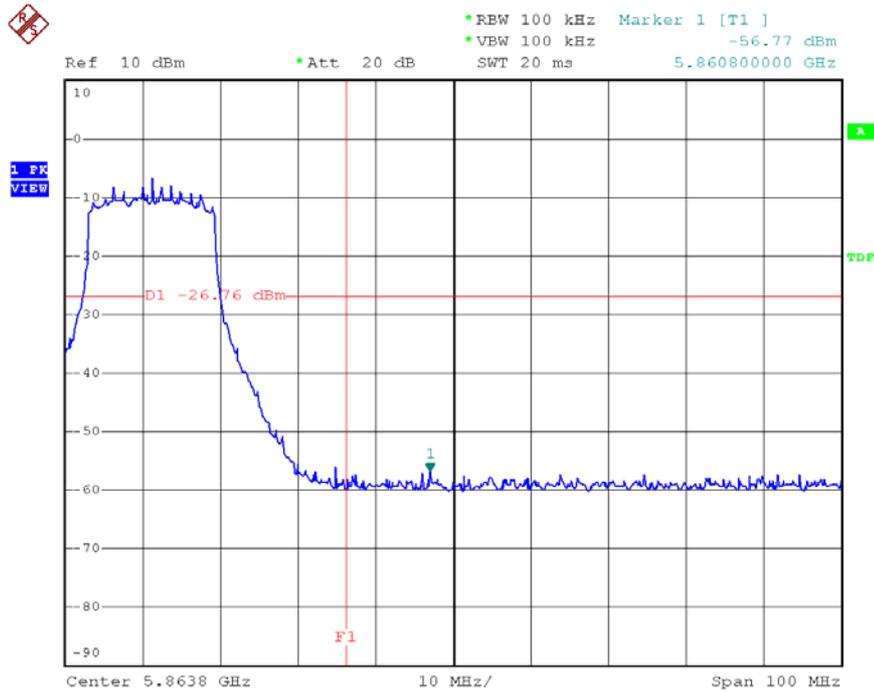


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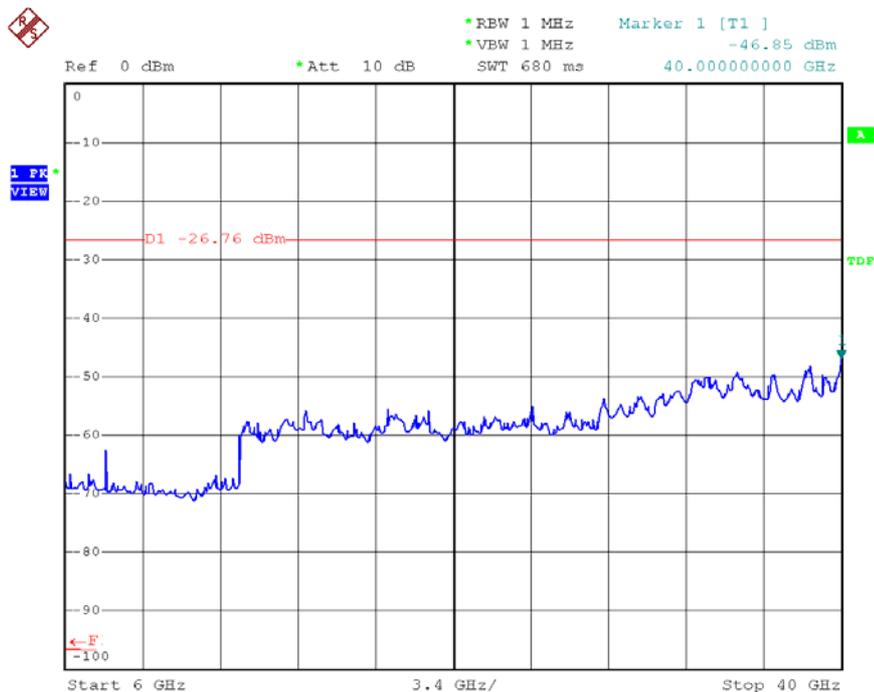


Date: 27.MAR.2008 14:15:12

Modulation Standard: 802.11a (6Mbps), ANT-R  
 Channel: 165

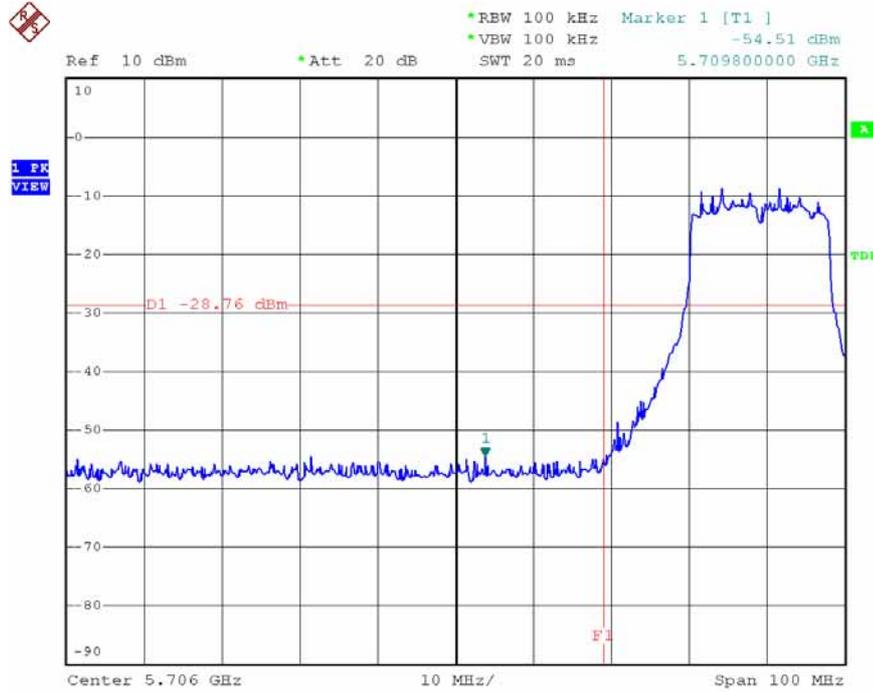


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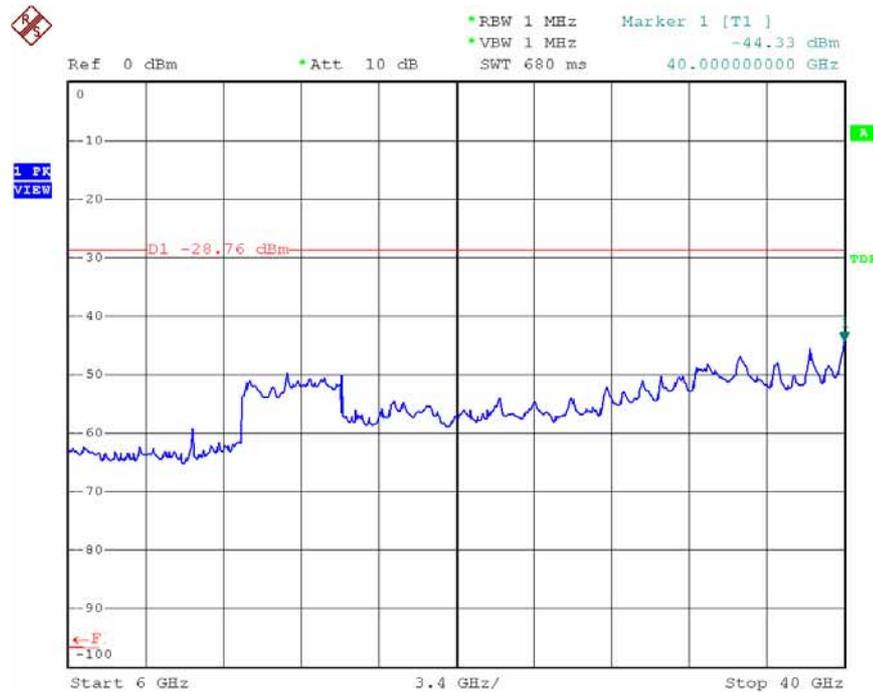


Date: 27.MAR.2008 14:12:08

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R (ANT-L)  
 Channel: 149

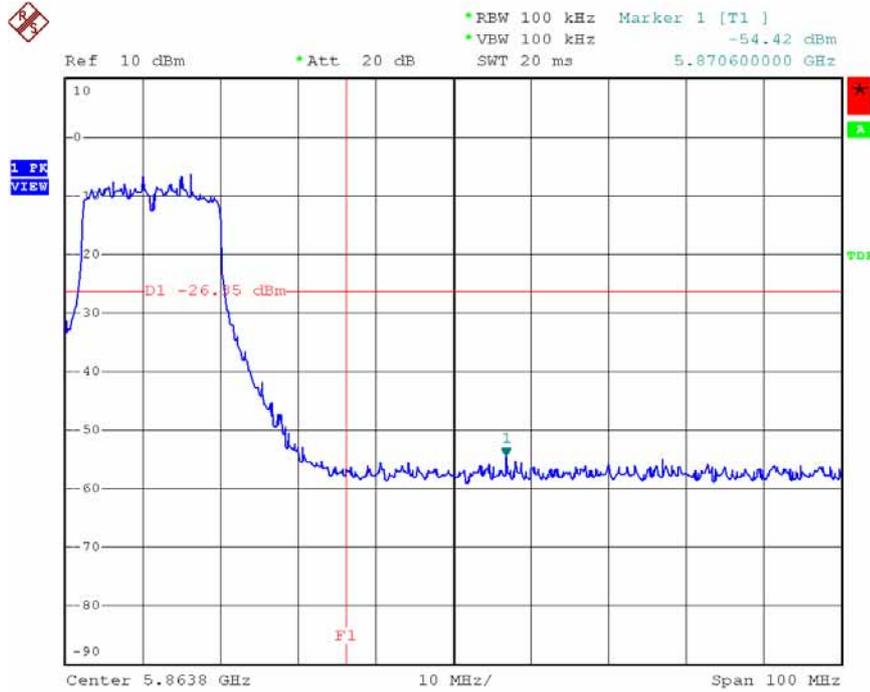


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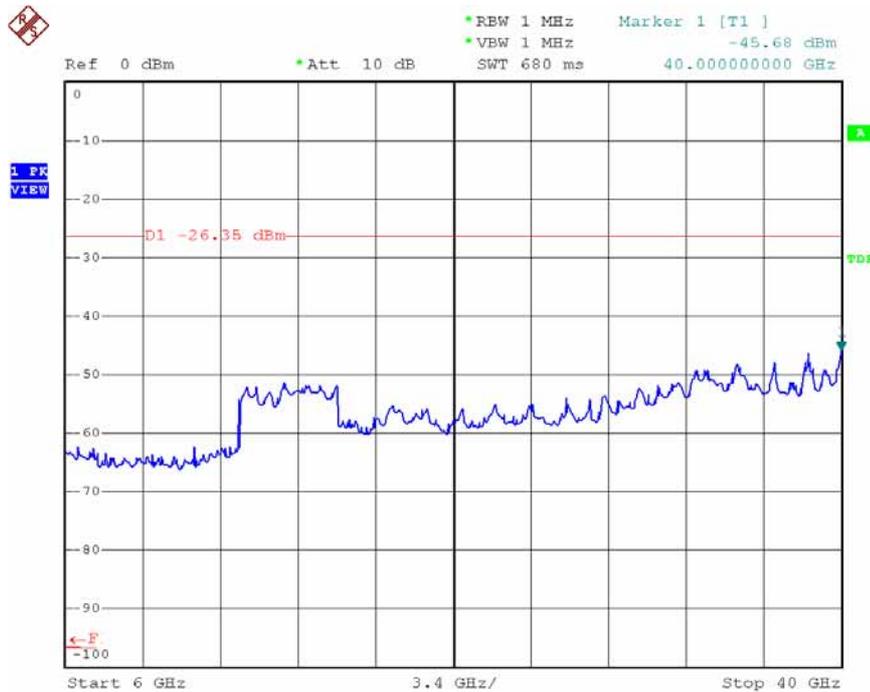


Date: 1.MAY.2008 21:48:26

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R (ANT-L)  
 Channel: 165

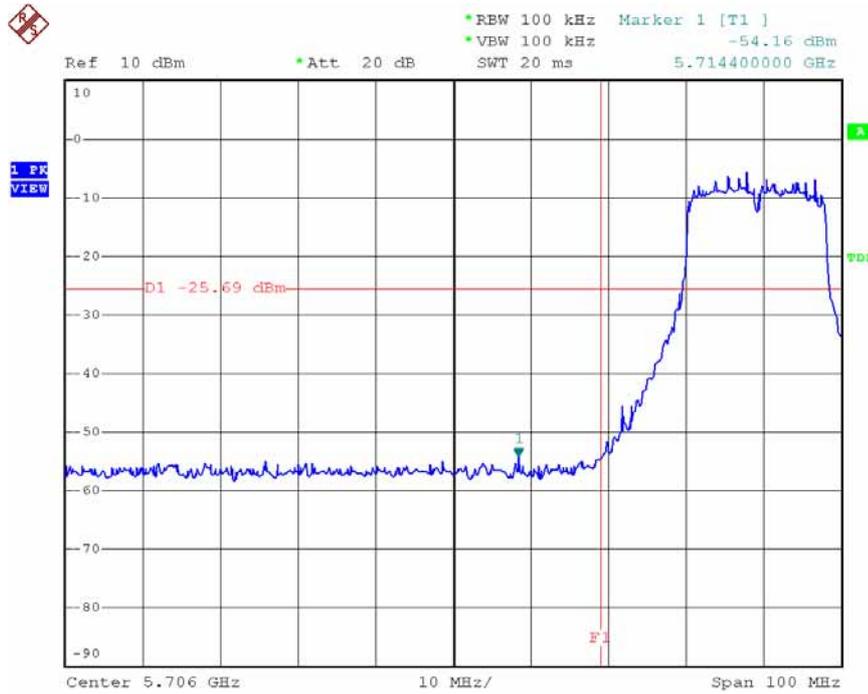


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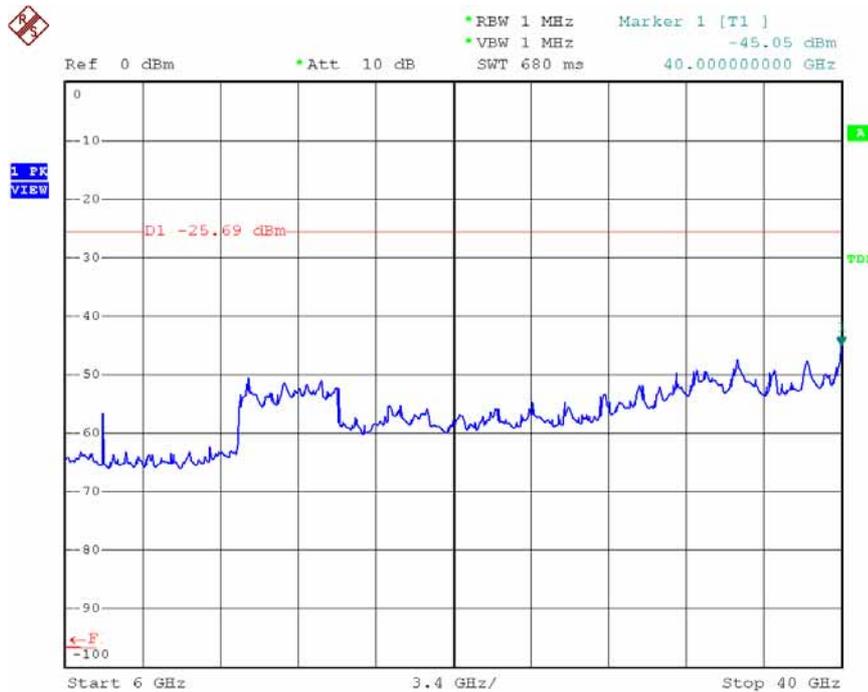


Date: 1.MAY.2008 21:53:52

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R (ANT-R)  
 Channel: 149

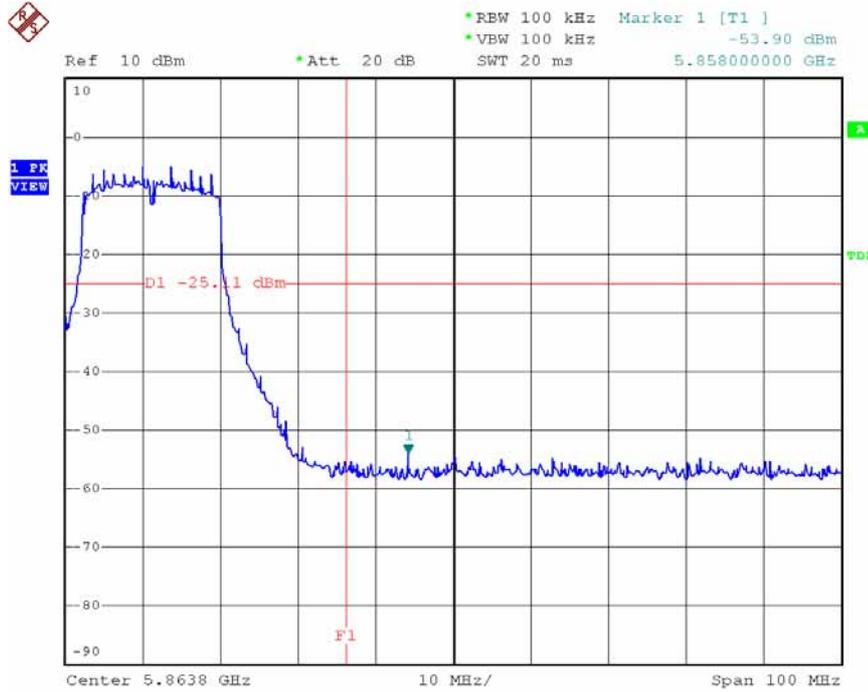


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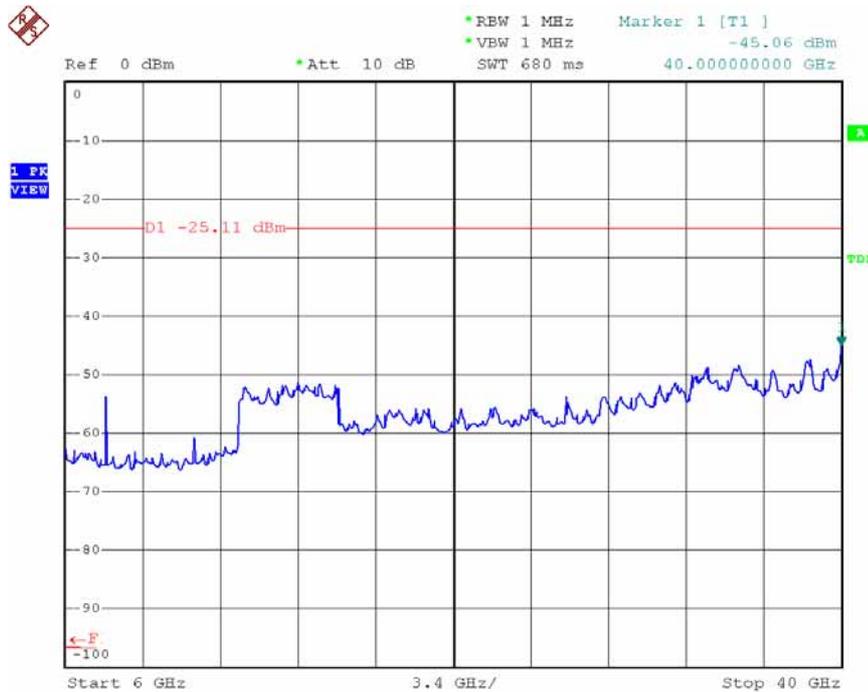


Date: 1.MAY.2008 21:50:12

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R (ANT-R)  
 Channel: 165

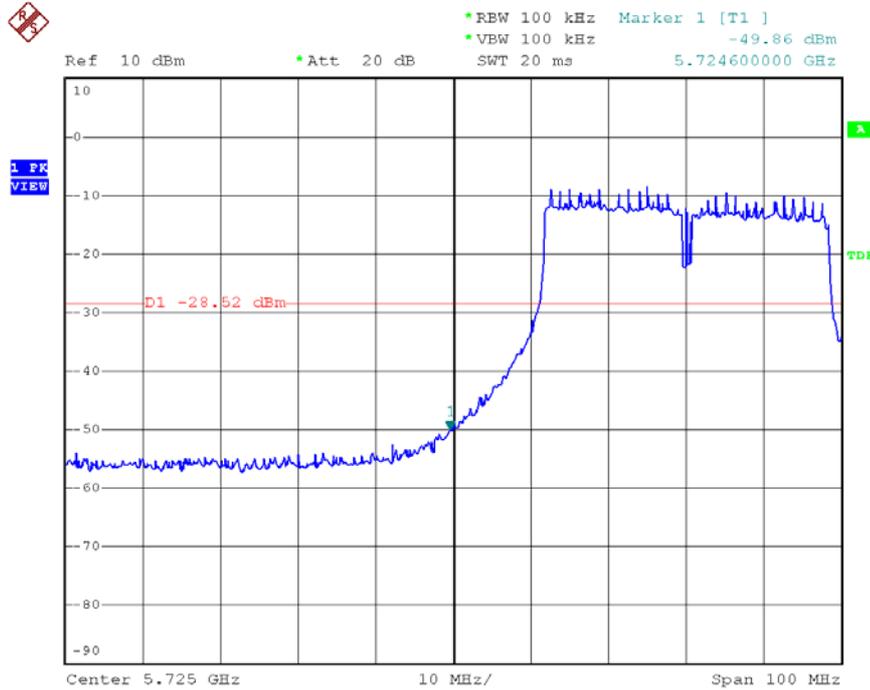


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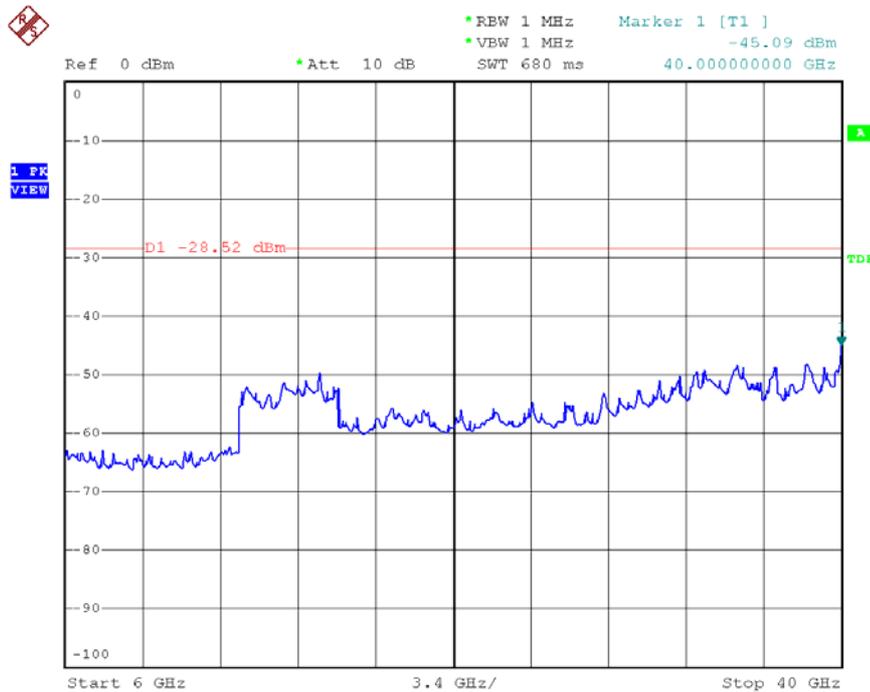


Date: 1.MAY.2008 21:52:11

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R (ANT-L)  
 Channel: 151

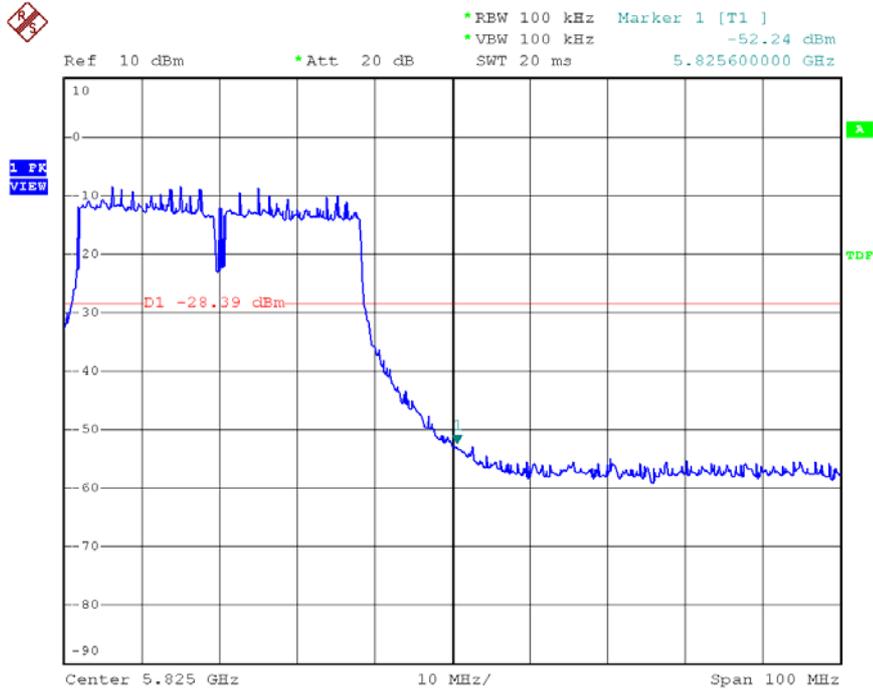


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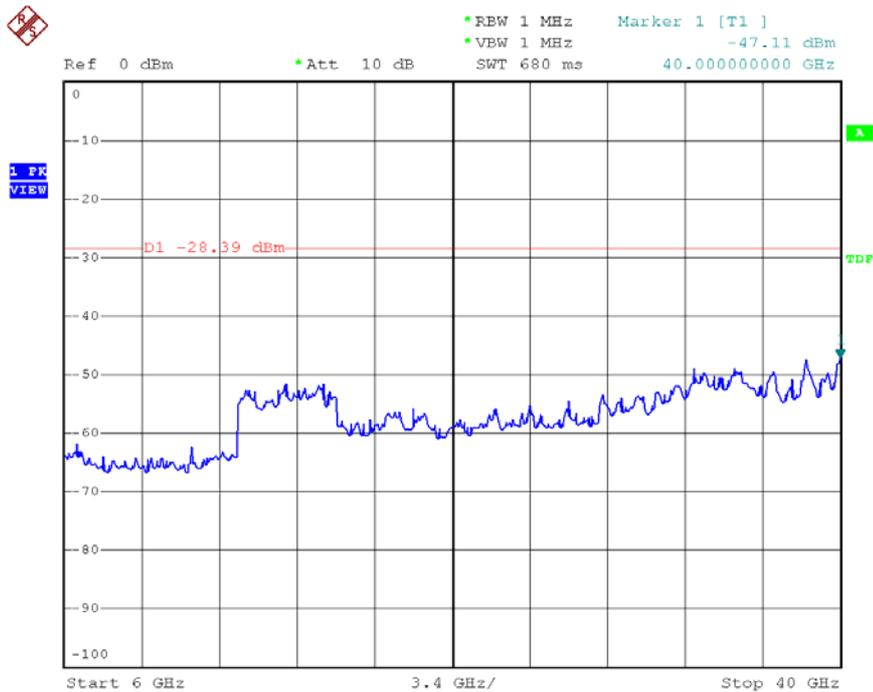


Date: 1.MAY.2008 22:24:00

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R (ANT-L)  
 Channel: 159

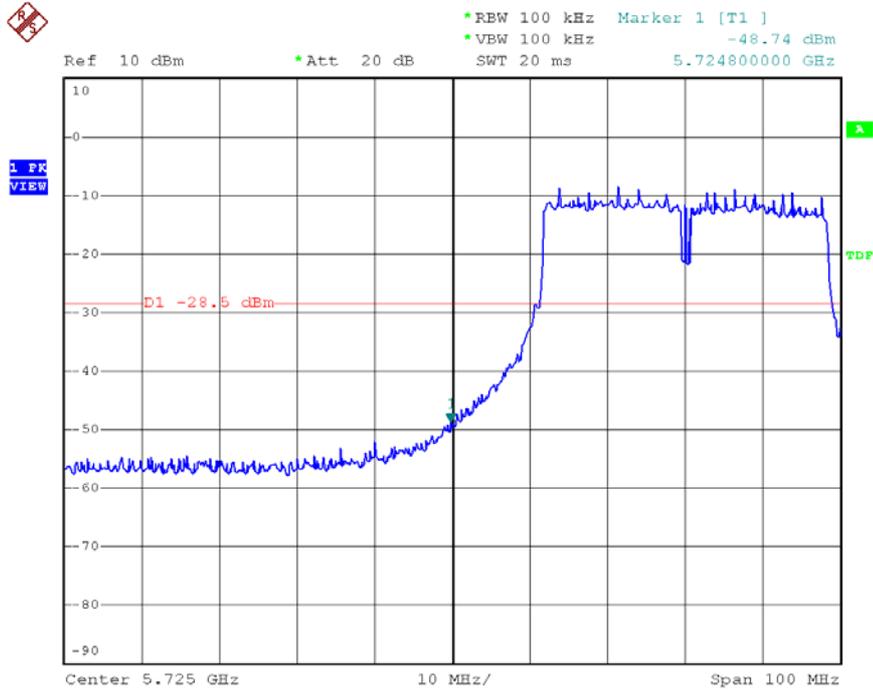


Date: 1.MAY.2008 22:24:58

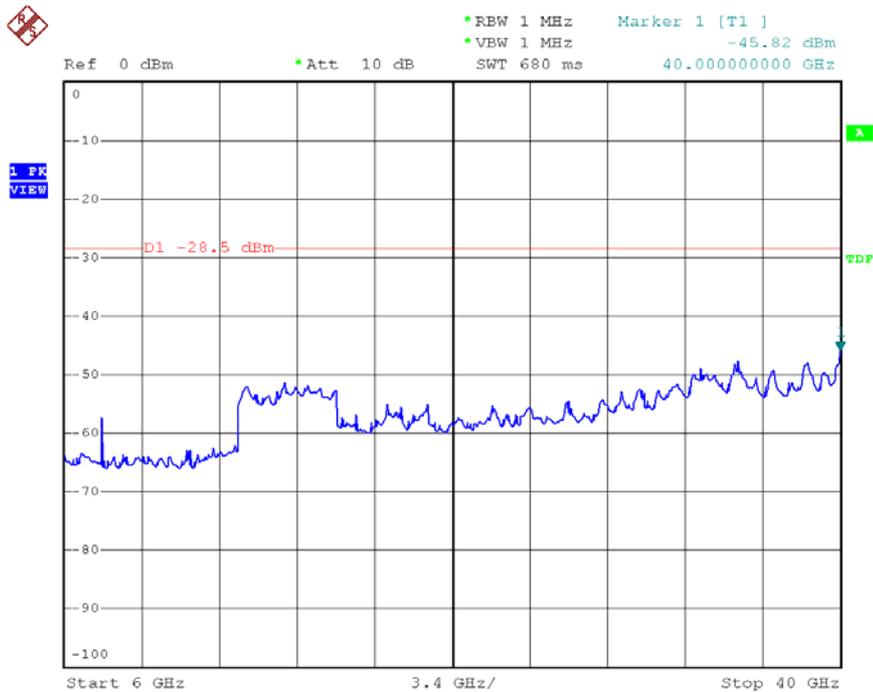


Date: 1.MAY.2008 22:25:56

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R (ANT-R)  
 Channel: 151

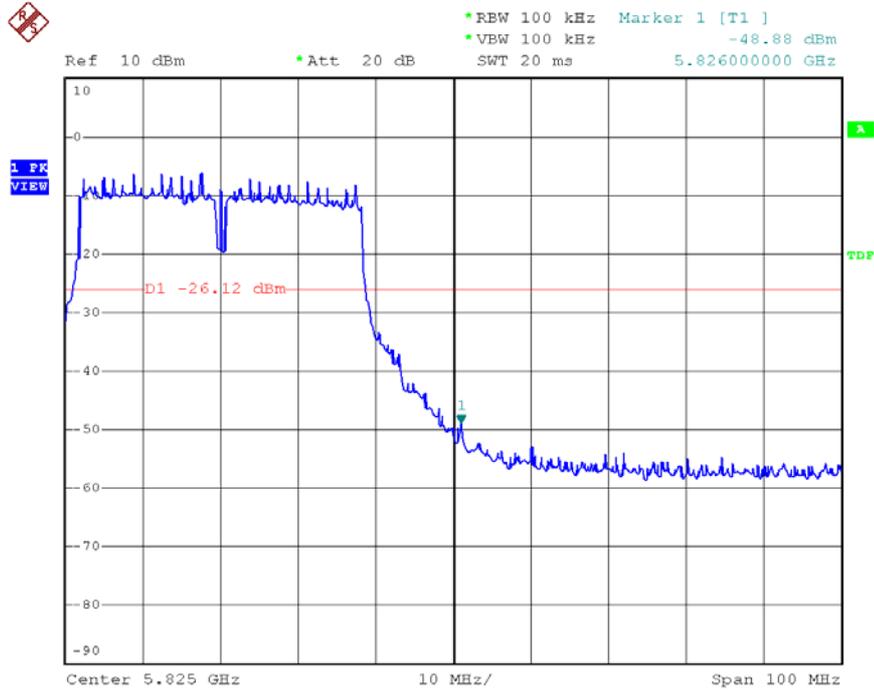


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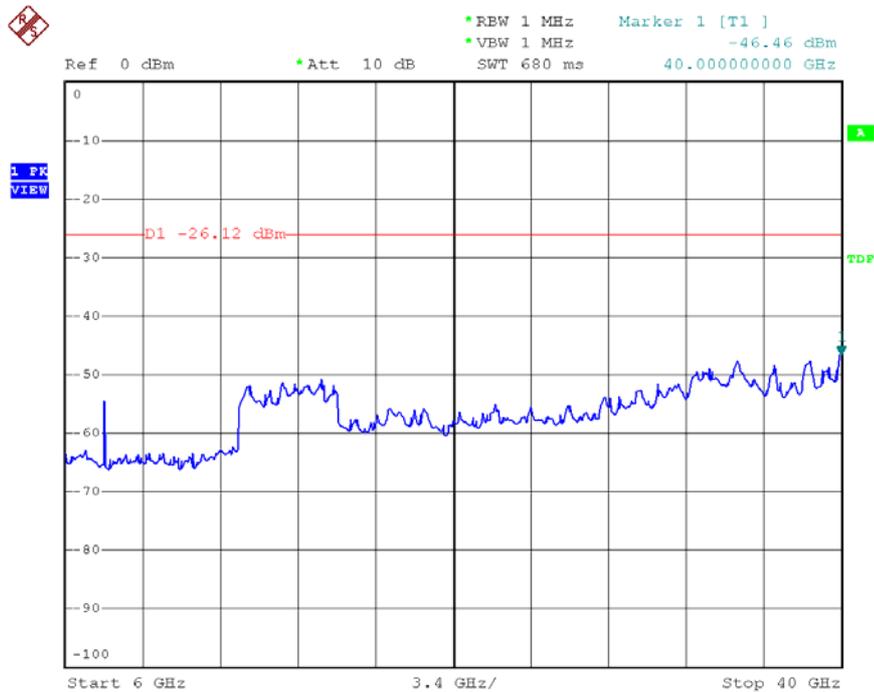


Date: 1.MAY.2008 22:21:33

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R (ANT-R)  
 Channel: 159

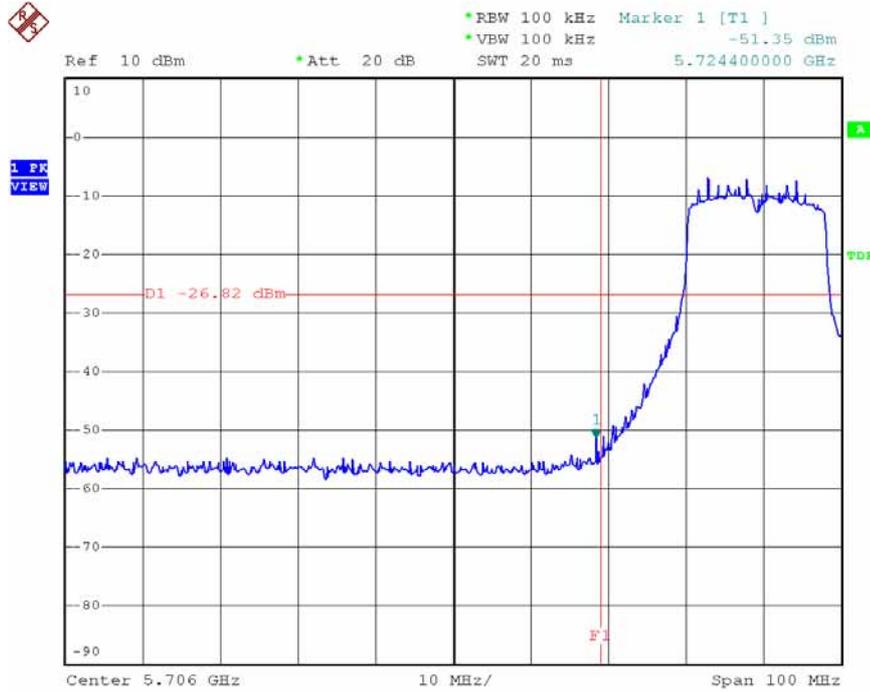


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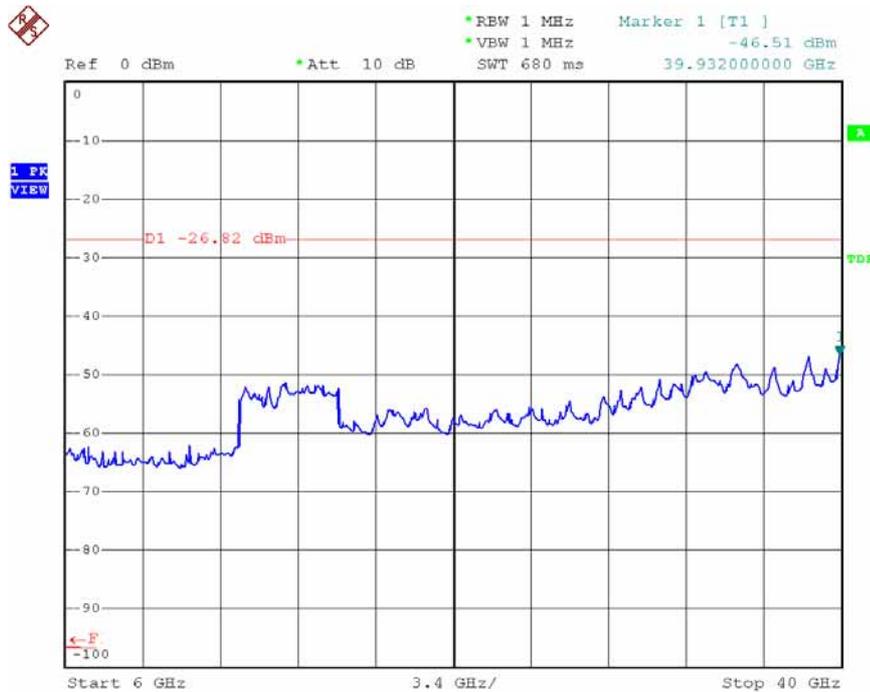


Date: 1.MAY.2008 22:27:35

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-L)  
 Channel: 149

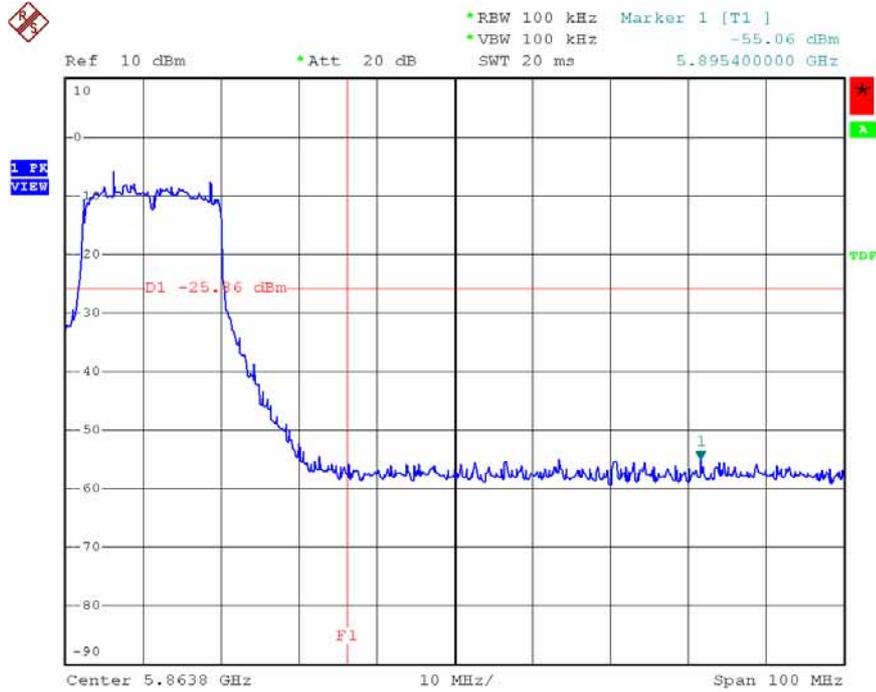


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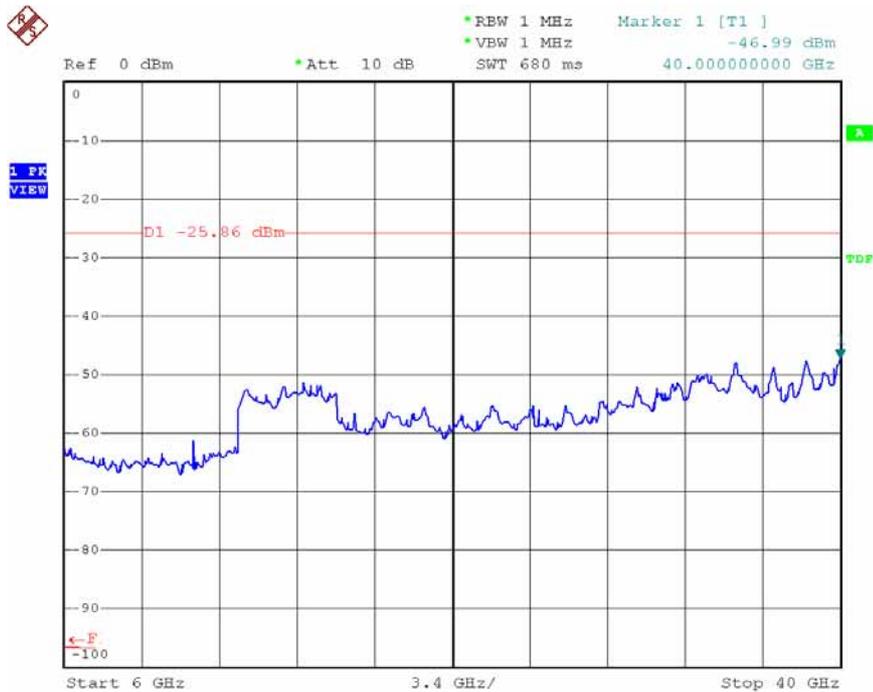


Date: 1.MAY.2008 20:49:30

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-L)  
 Channel: 165

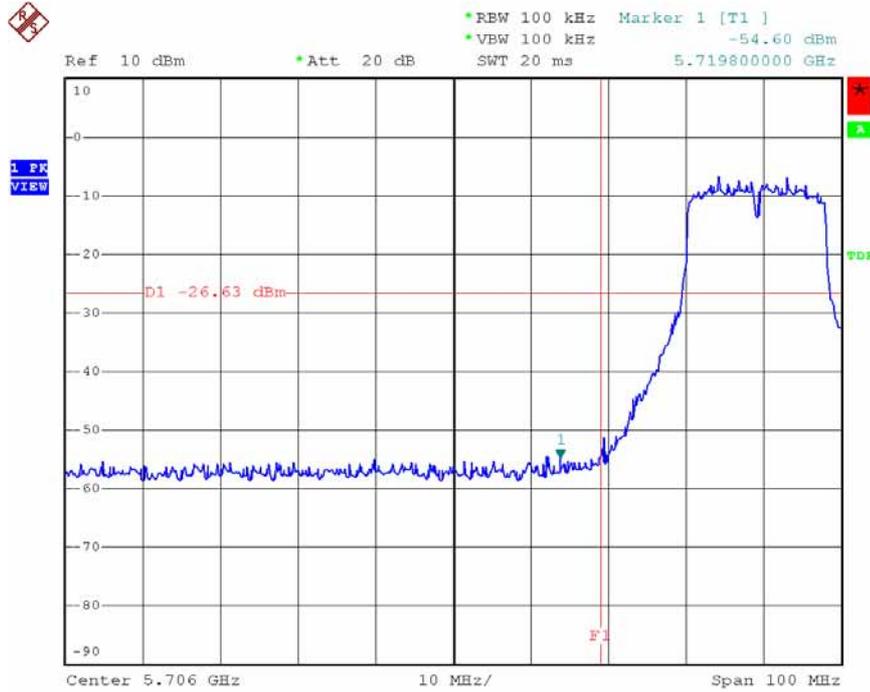


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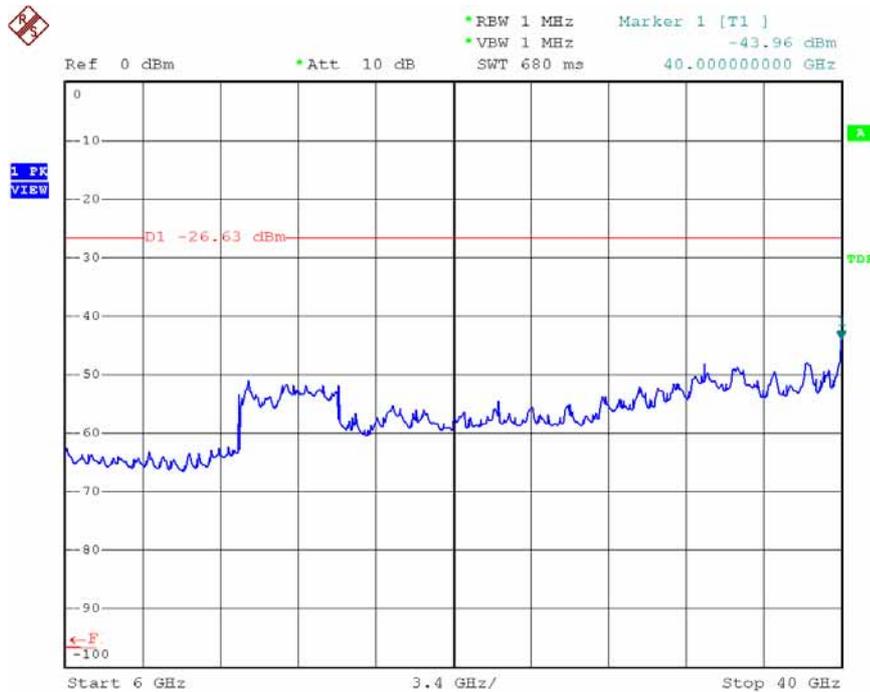


Date: 1.MAY.2008 20:58:24

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-M)  
 Channel: 149

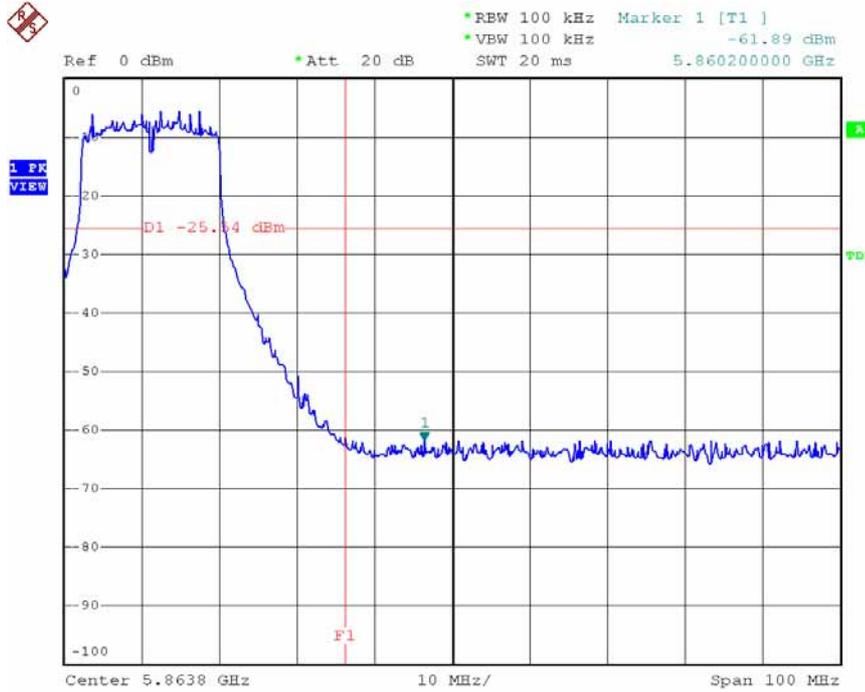


Date: 1.MAY.2008 20:50:20

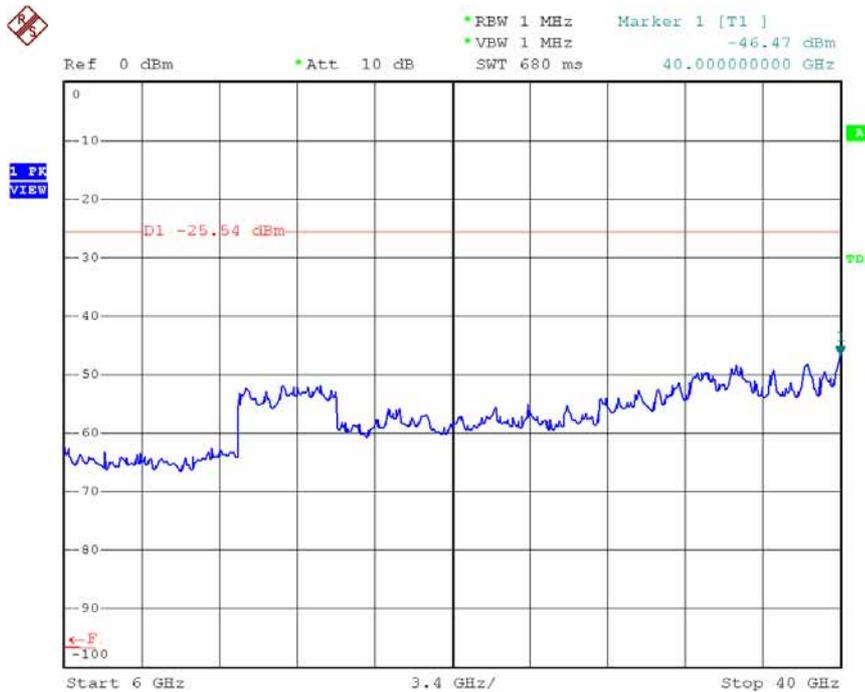


Date: 1.MAY.2008 20:50:52

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-M)  
 Channel: 165

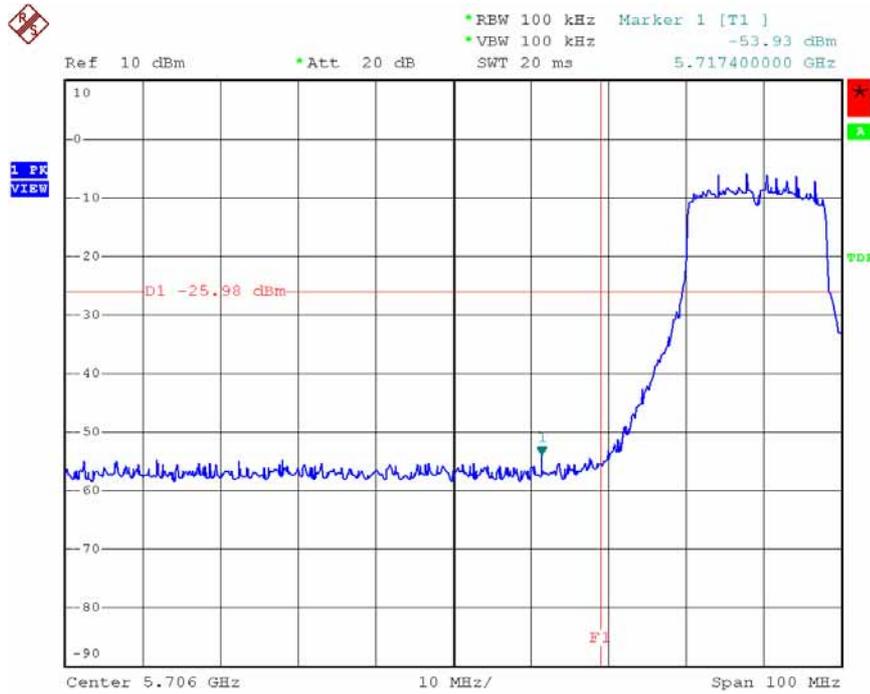


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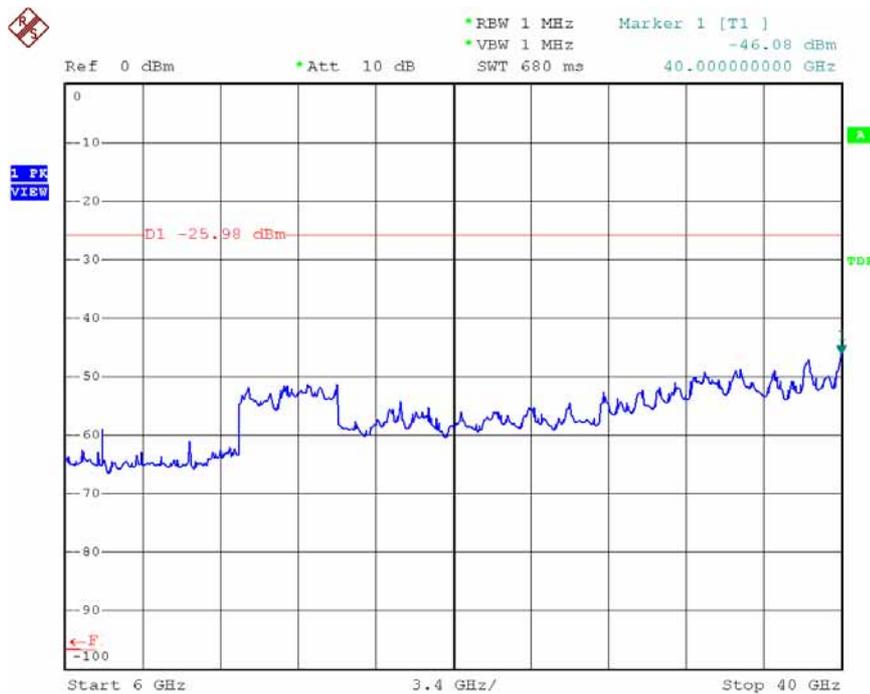


Date: 1.MAY.2008 20:55:45

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-R)  
 Channel: 149

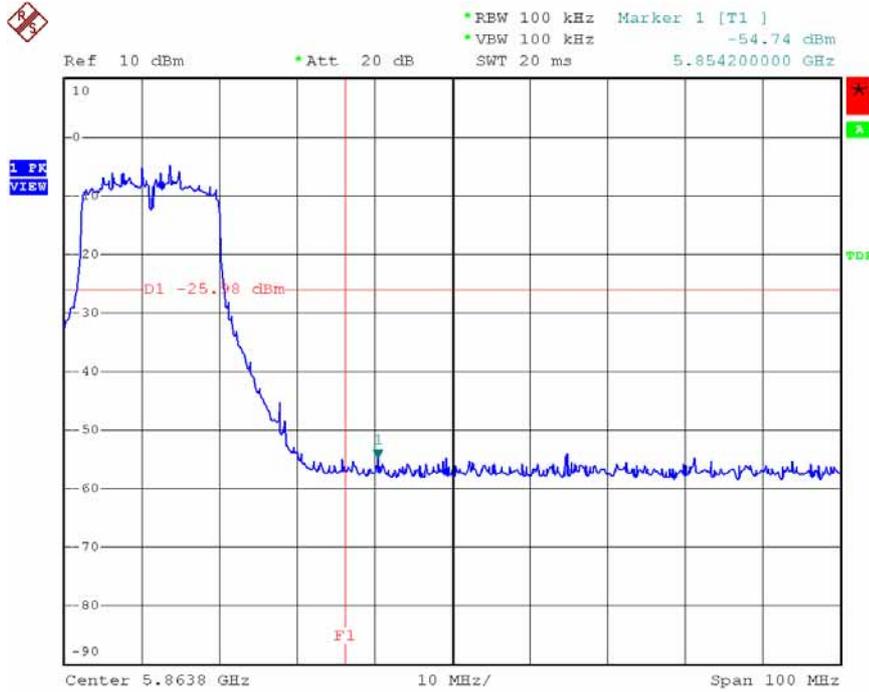


Date: 1.MAY.2008 20:51:50

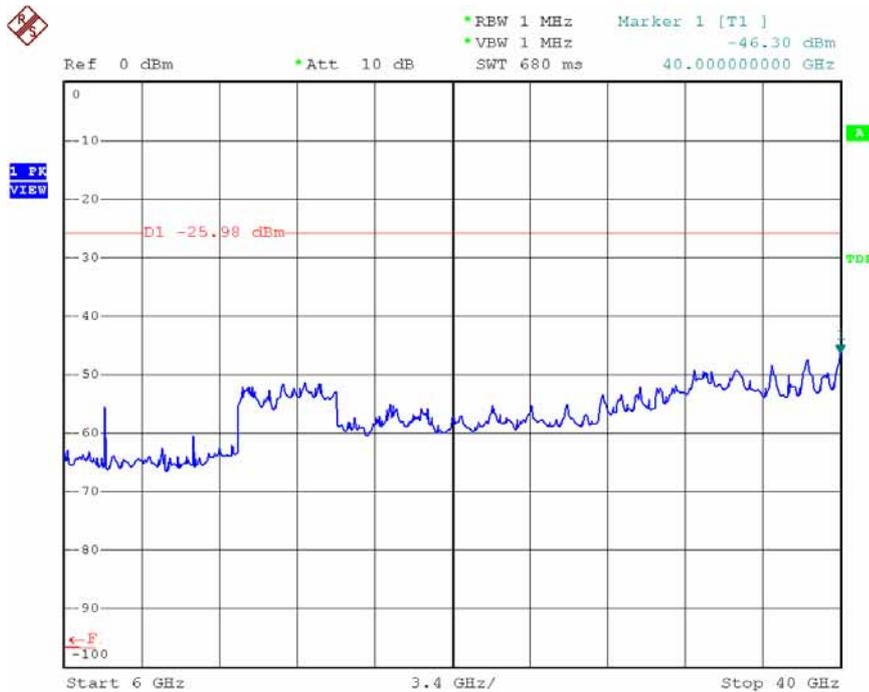


Date: 1.MAY.2008 20:52:36

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-R)  
 Channel: 165

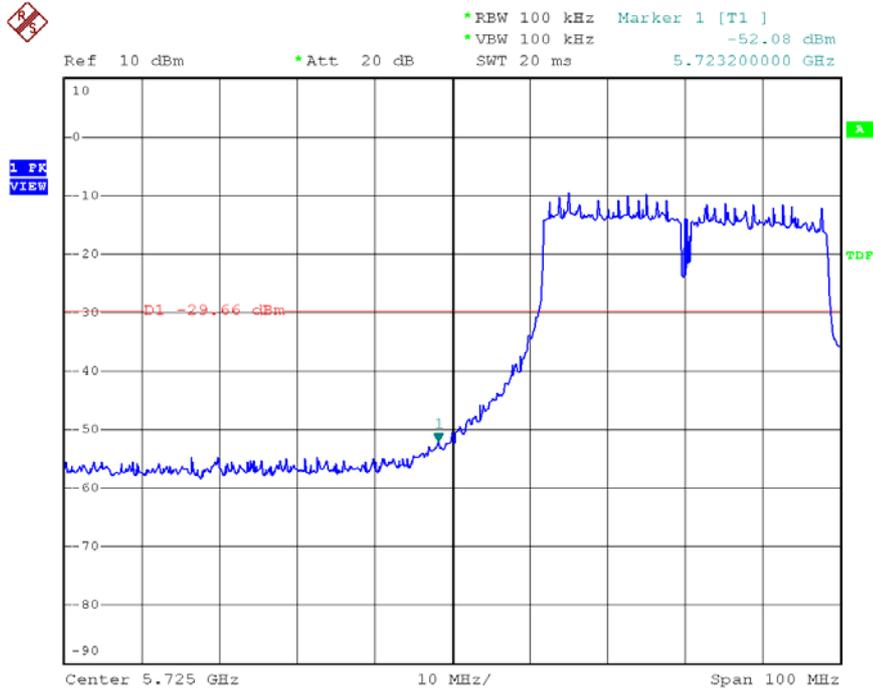


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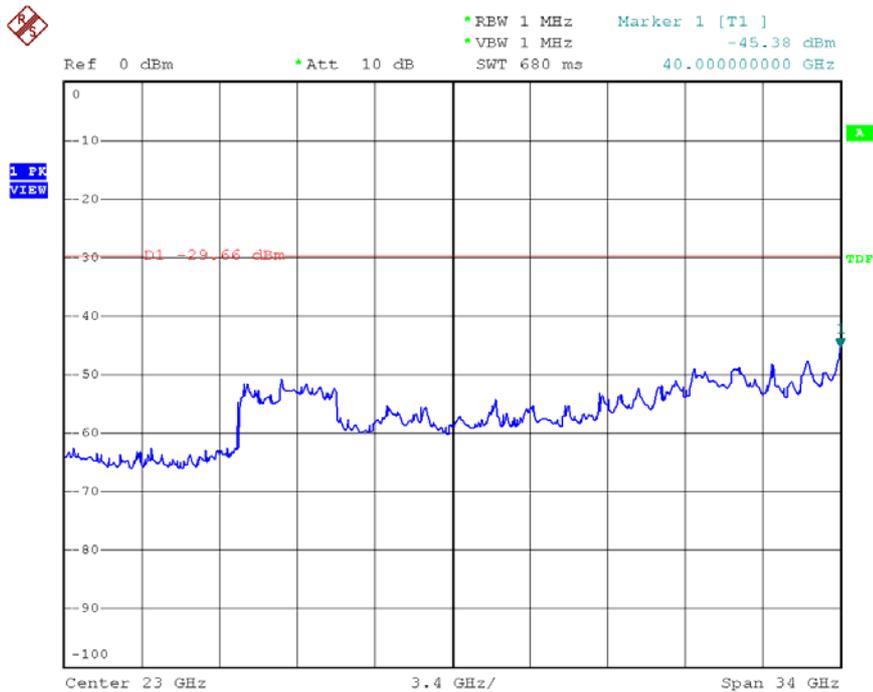


Date: 1.MAY.2008 20:54:26

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-L)  
 Channel: 151

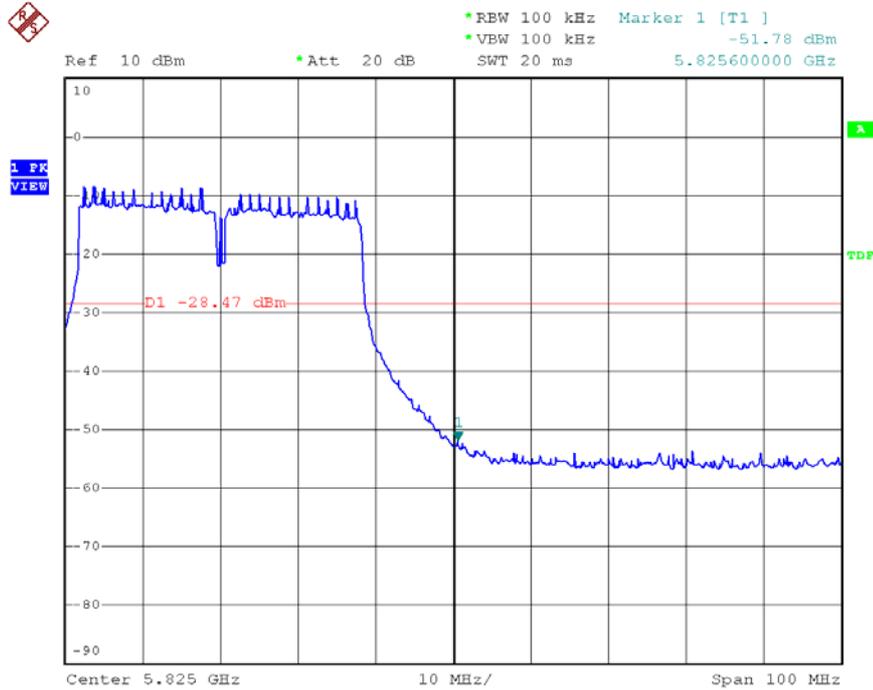


Date: 1.MAY.2008 20:40:02

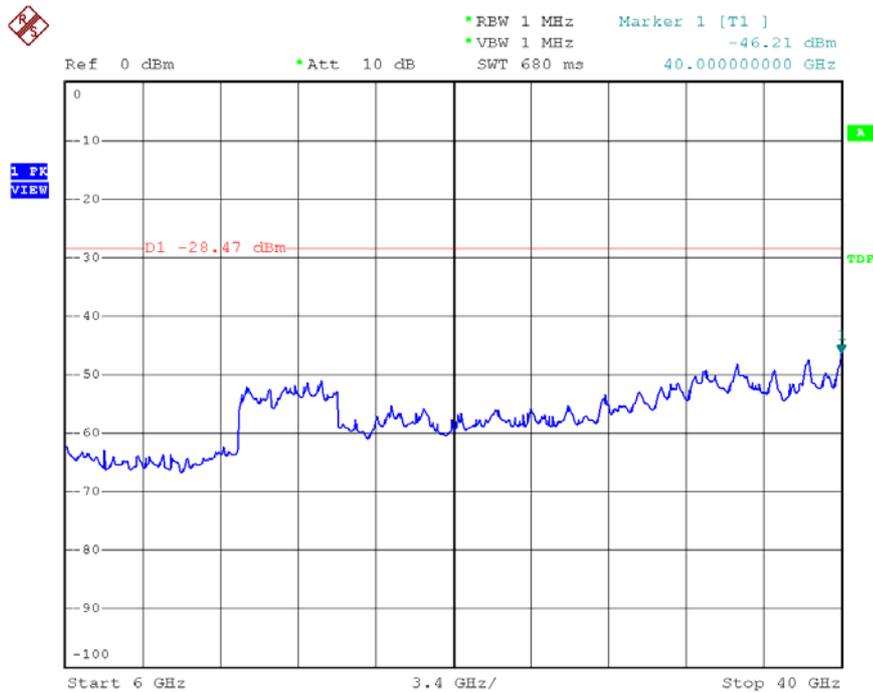


Date: 1.MAY.2008 20:40:34

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-L)  
 Channel: 159

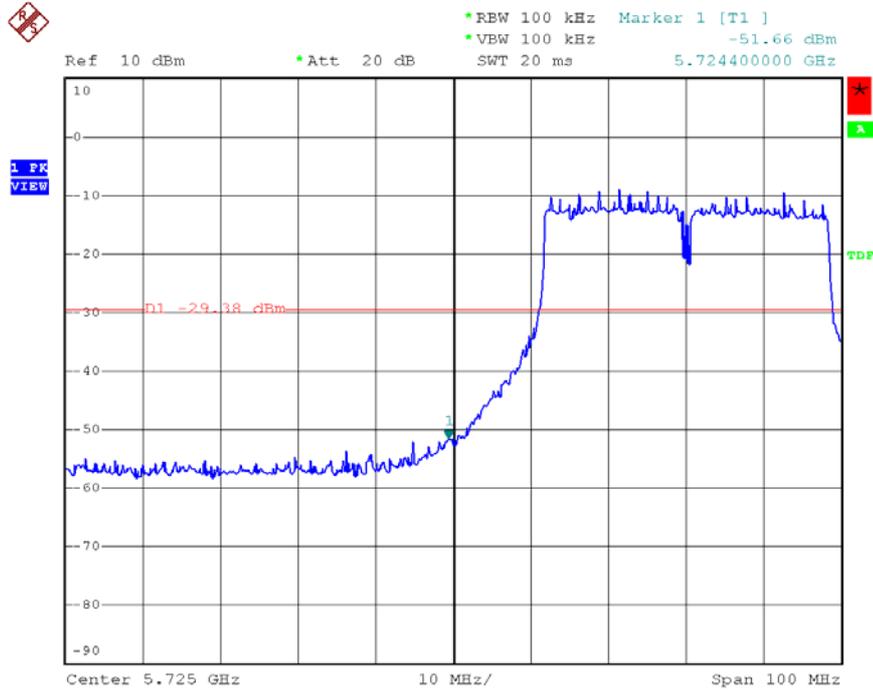


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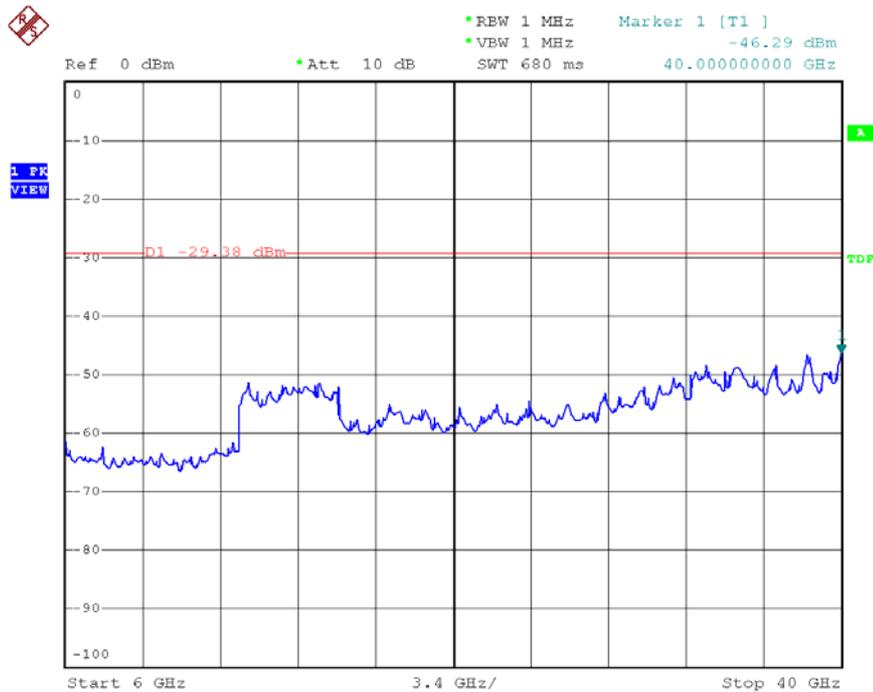


Date: 1.MAY.2008 20:24:39

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-M)  
 Channel: 151

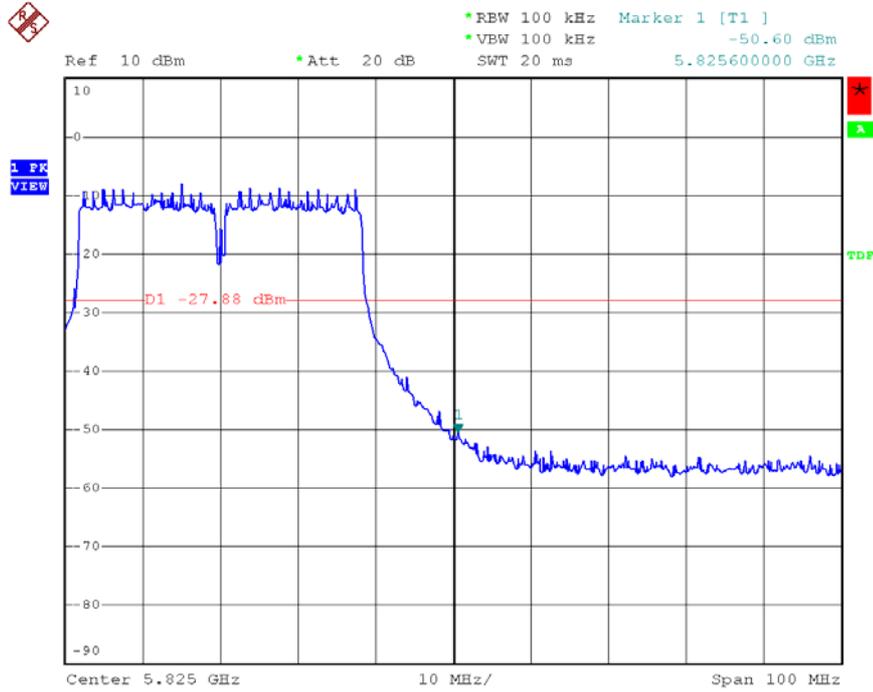


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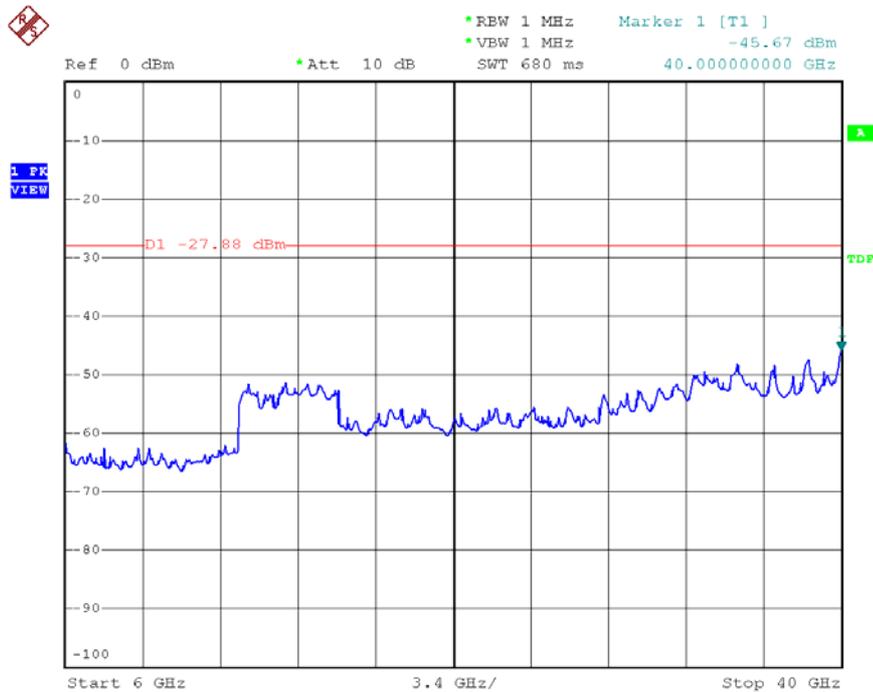


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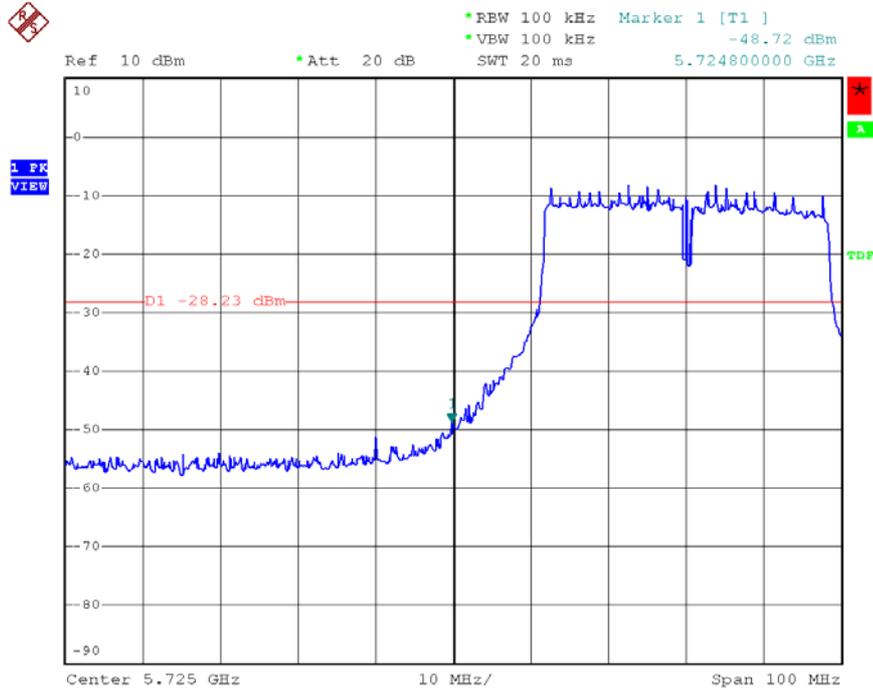


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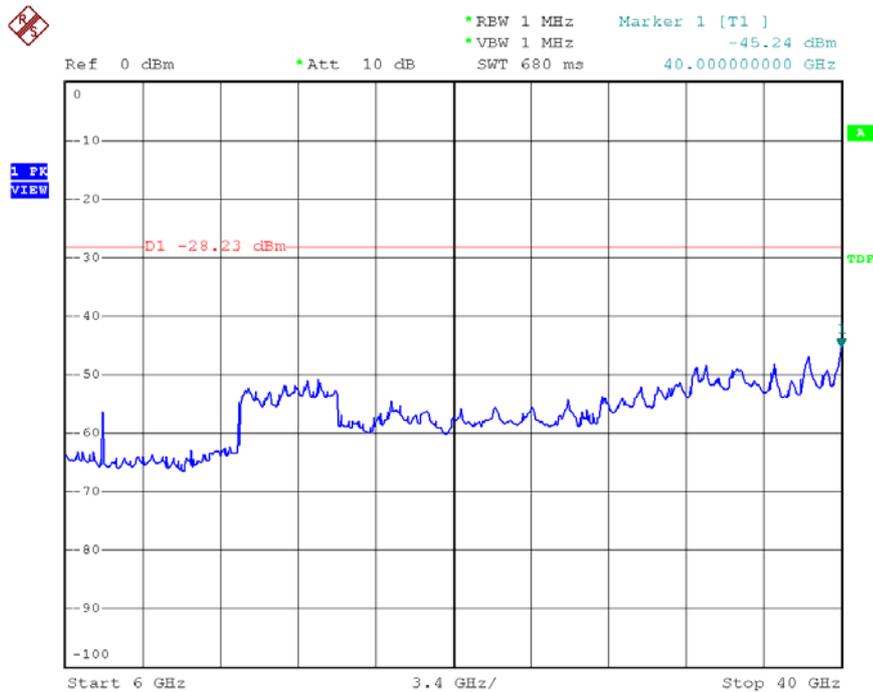


Date: 1.MAY.2008 20:26:27

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-R)  
 Channel: 151

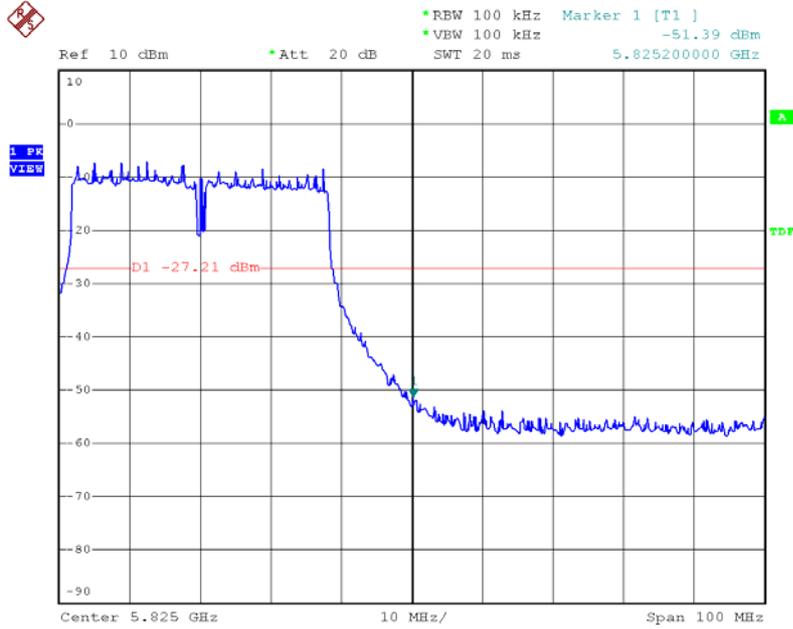


Date: 1.MAY.2008 20:30:05

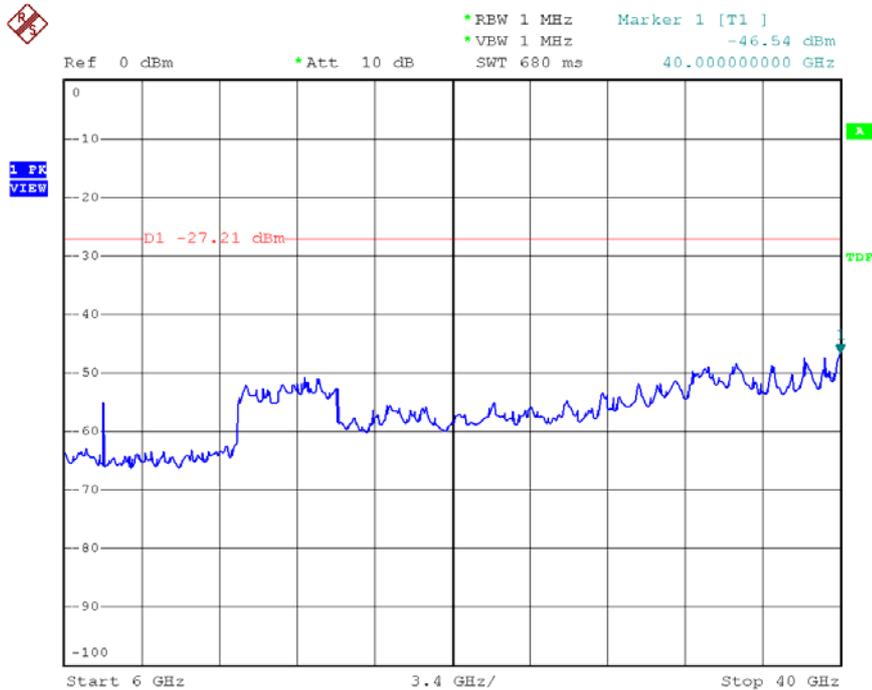


Date: 1.MAY.2008 20:31:00

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-R)  
 Channel: 159



Date: 1.MAY.2008 20:27:42



Date: 1.MAY.2008 20:28:25

## 15. Power Spectral Density (For 802.11a device)

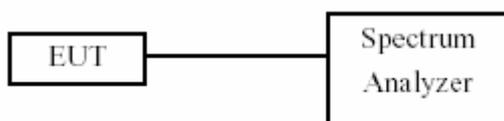
### 15.1 Test Limit

The Maximum of Power Spectral Density Measurement is 8dBm.

### 15.2 Test Procedures

- a. The transmitter output was connected to spectrum analyzer.
- b. The spectrum analyzer's resolution bandwidth were set at 3KHz RBW and 30KHz VBW as that of the fundamental frequency. Set the sweep time=span/3KHz.
- c. The power spectral density was measured and recorded.
- d. The Sweep time is allowed to be longer than span/3KHz for a full response of the mixer in the spectrum analyzer.

### 15.3 Test Setup Layout :



### 15.4 List of Measuring Equipment Used

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date.
Spectrum Analyzer	FSP40	R&S	100047	2008/02/22	2009/02/21

### 15.5 Test Result and Data

- (1) Modulation Standard: IEEE 802.11a (6Mbps), ANT-L  
 Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Maximum Power Density of 3 kHz Bandwidth (dBm)
149	5745	-9.96
157	5785	-8.28
165	5825	-10.53

- (2) Modulation Standard: IEEE 802.11a (6Mbps), ANT-M  
 Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Maximum Power Density of 3 kHz Bandwidth (dBm)
149	5745	-5.72
157	5785	-7.06
165	5825	-8.29

- (3) Modulation Standard: IEEE 802.11a (6Mbps), ANT-R  
 Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Maximum Power Density of 3 kHz Bandwidth (dBm)
149	5745	-6.50
157	5785	-7.18
165	5825	-6.67

- (4) Modulation Standard: IEEE 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R  
 Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Maximum Power Density of 3 kHz Bandwidth (dBm)		
		ANT-L	ANT-R	Total
149	5745	-16.69	-15.74	-13.18
157	5785	-16.22	-14.22	-12.10
165	5825	-15.34	-14.24	-11.74

- (5) Modulation Standard: IEEE 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R  
 Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Maximum Power Density of 3 kHz Bandwidth (dBm)		
		ANT-L	ANT-R	Total
151	5755	-11.91	-12.93	-9.38
155	5775	-12.71	-14.03	-10.31
159	5795	-10.81	-11.37	-8.07

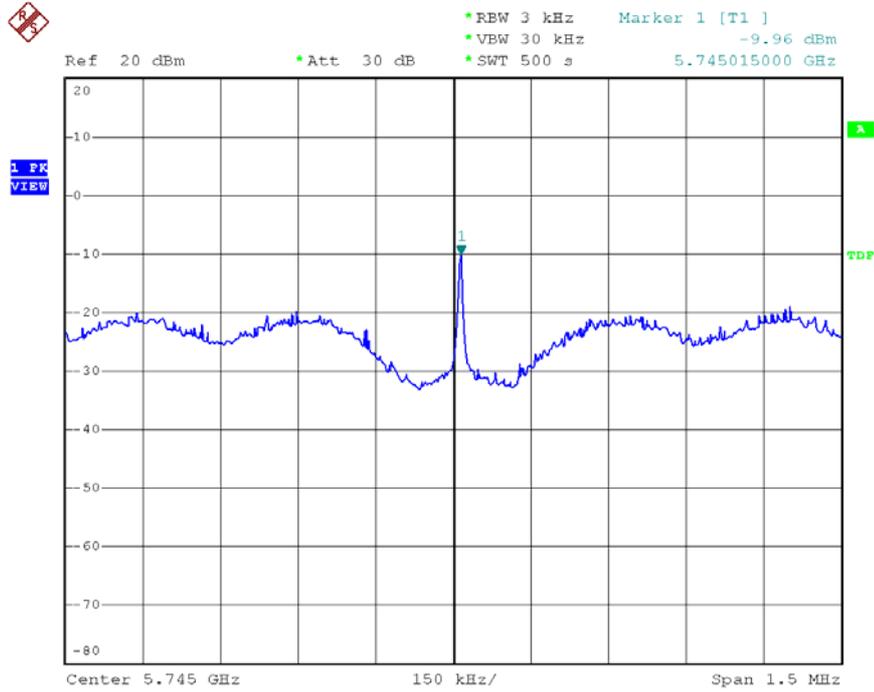
- (6) Modulation Standard: IEEE 802.11an, HT20 (6.5Mbps), ANT-ALL  
 Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Maximum Power Density of 3 kHz Bandwidth (dBm)			
		ANT-L	ANT-M	ANT-R	Total
149	5745	-18.33	-19.36	-16.46	-13.11
157	5785	-17.41	-18.16	-16.02	-12.33
165	5825	-17.17	-18.88	-16.04	-12.44

- (7) Modulation Standard: IEEE 802.11an, HT40 (13.5Mbps), ANT-ALL  
 Test Date: May. 05, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

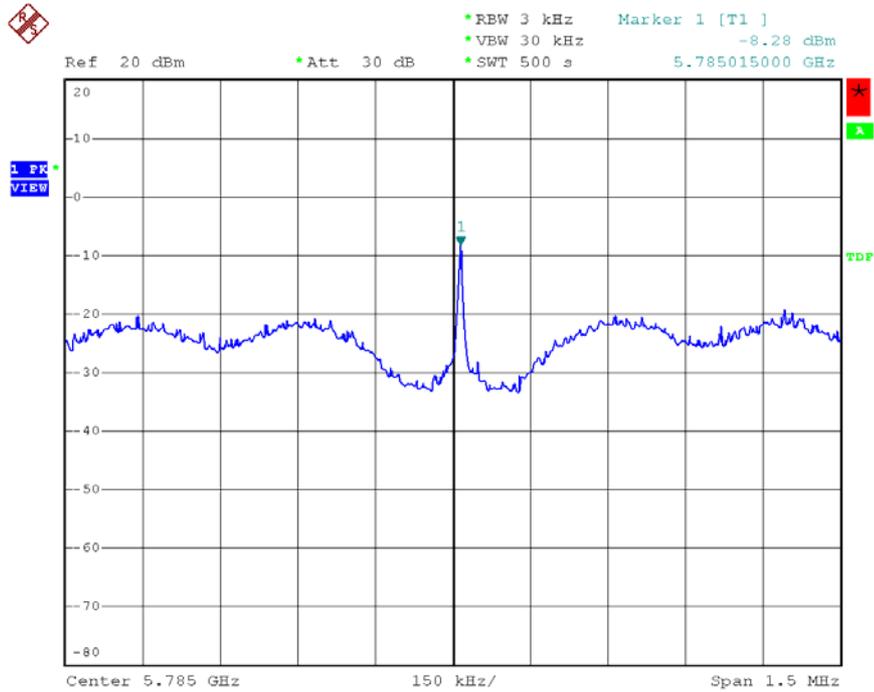
Channel	Frequency (MHz)	Maximum Power Density of 3 kHz Bandwidth (dBm)			
		ANT-L	ANT-M	ANT-R	Total
151	5755	-13.67	-17.31	-12.38	-9.23
155	5775	-17.32	-17.71	-12.82	-10.57
159	5795	-15.56	-16.99	-11.05	-8.99

Modulation Standard: 802.11a (6Mbps), ANT-L  
Channel: 149



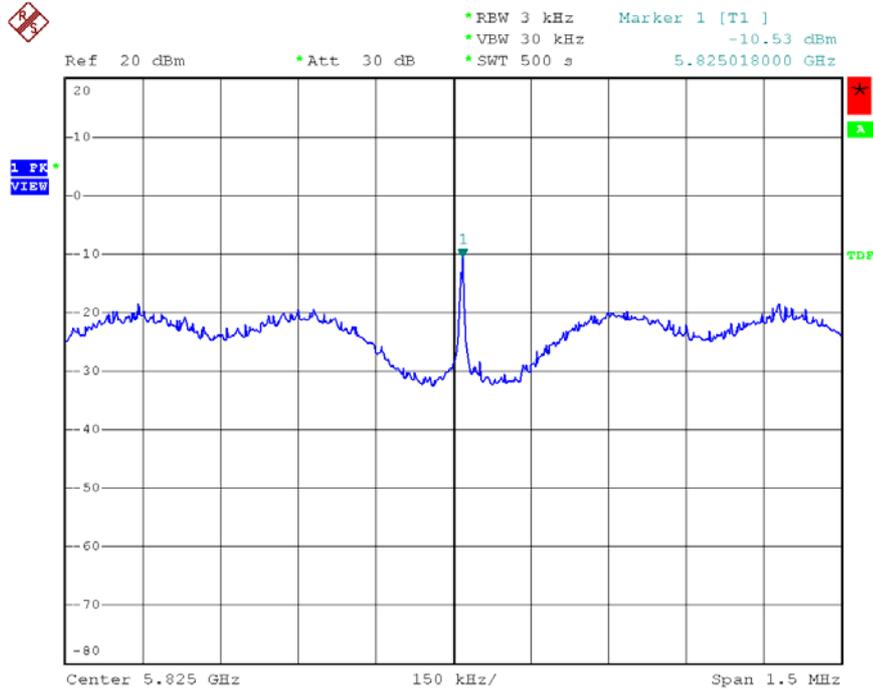
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Modulation Standard: 802.11a (6Mbps), ANT-L  
Channel: 157



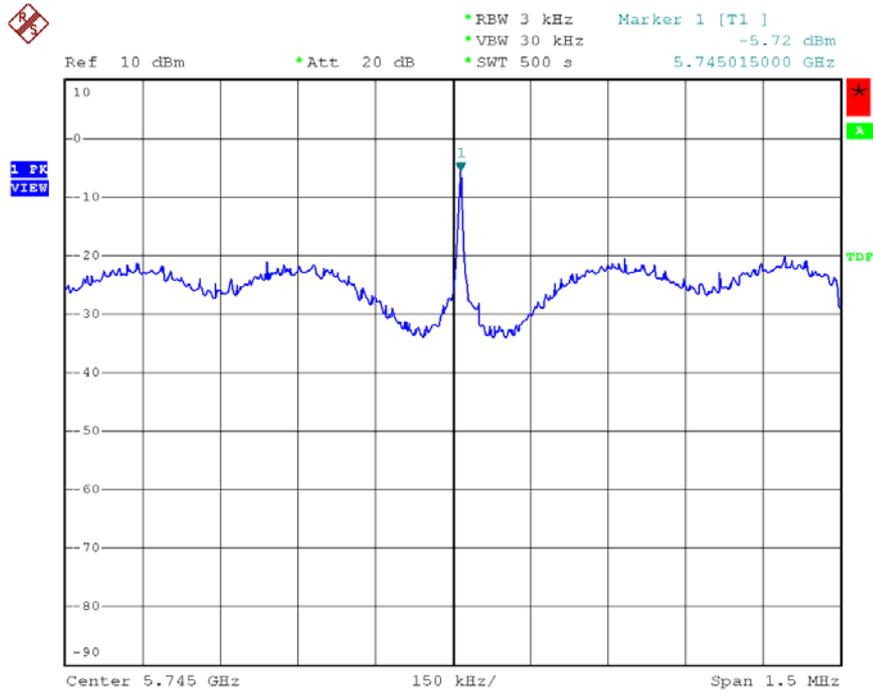
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Modulation Standard: 802.11a (6Mbps), ANT-L  
Channel: 165



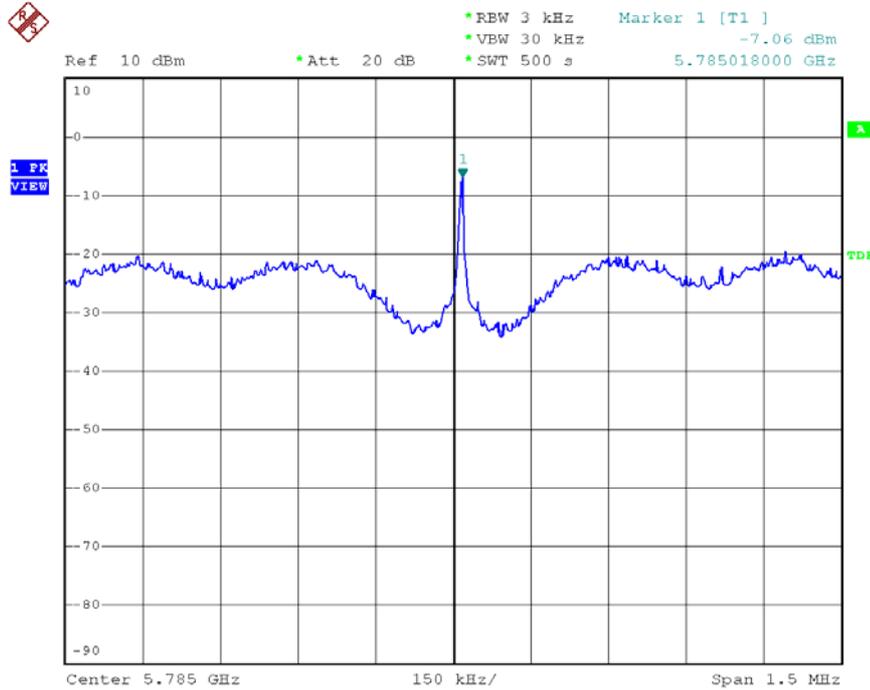
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Modulation Standard: 802.11a (6Mbps), ANT-M  
Channel: 149



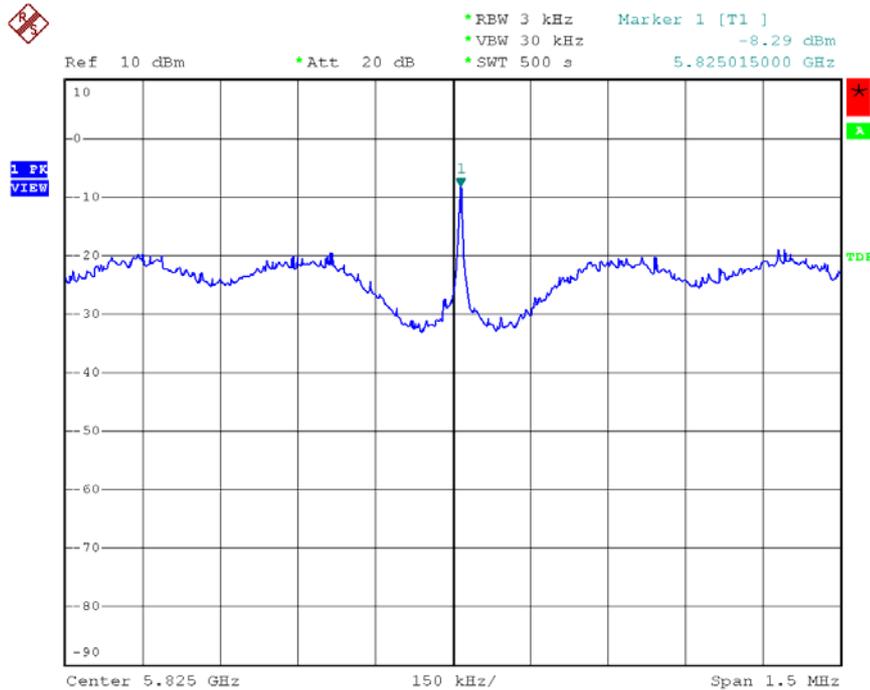
Date: 27.MAR.2008 17:29:34

Modulation Standard: 802.11a (6Mbps), ANT-M  
Channel: 157



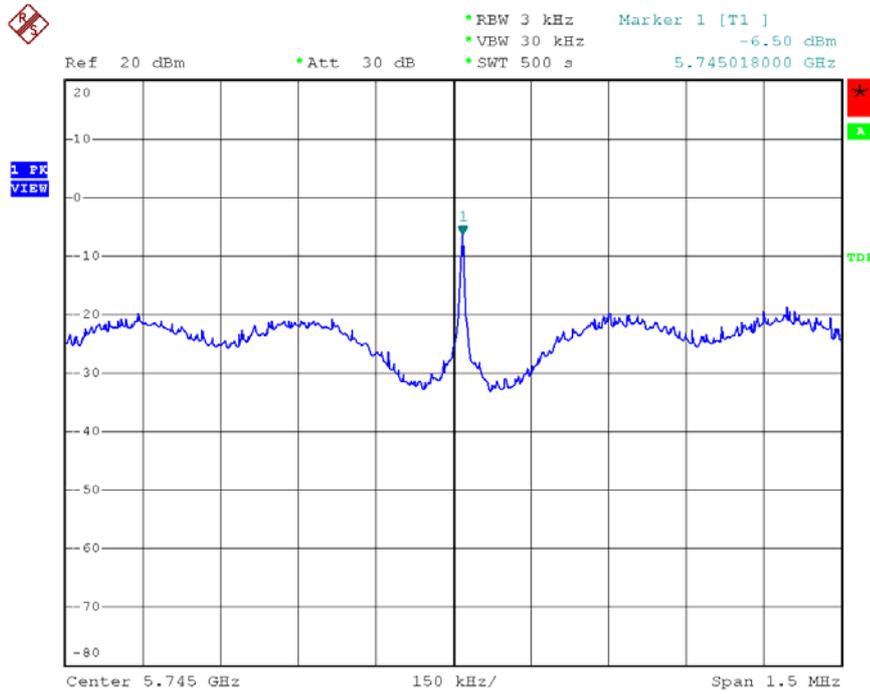
Date: 27.MAR.2008 17:42:04

Modulation Standard: 802.11a (6Mbps), ANT-M  
Channel: 165



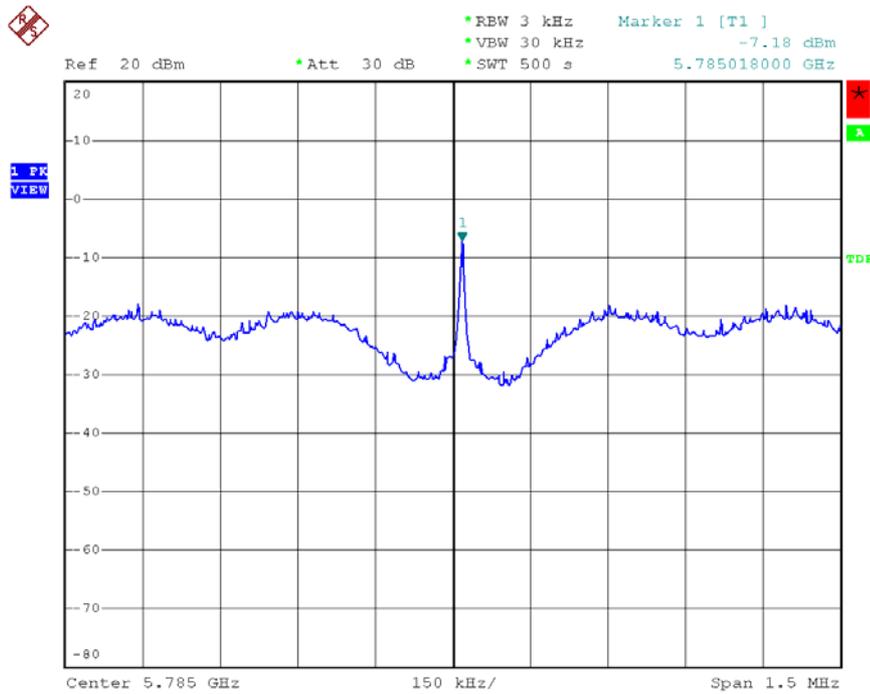
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Modulation Standard: 802.11a (6Mbps), ANT-R  
Channel: 149



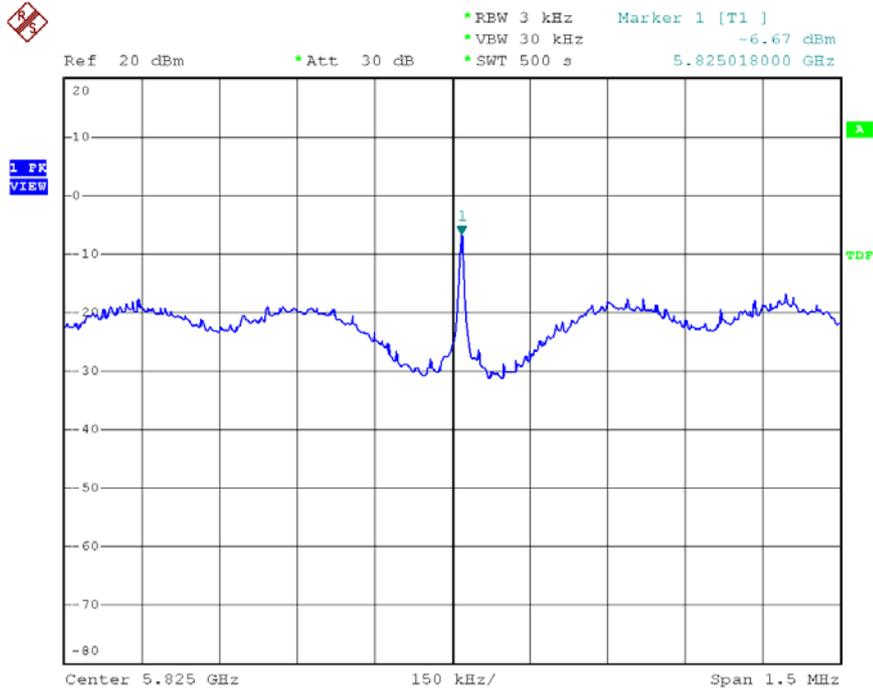
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Modulation Standard: 802.11a (6Mbps), ANT-R  
Channel: 157



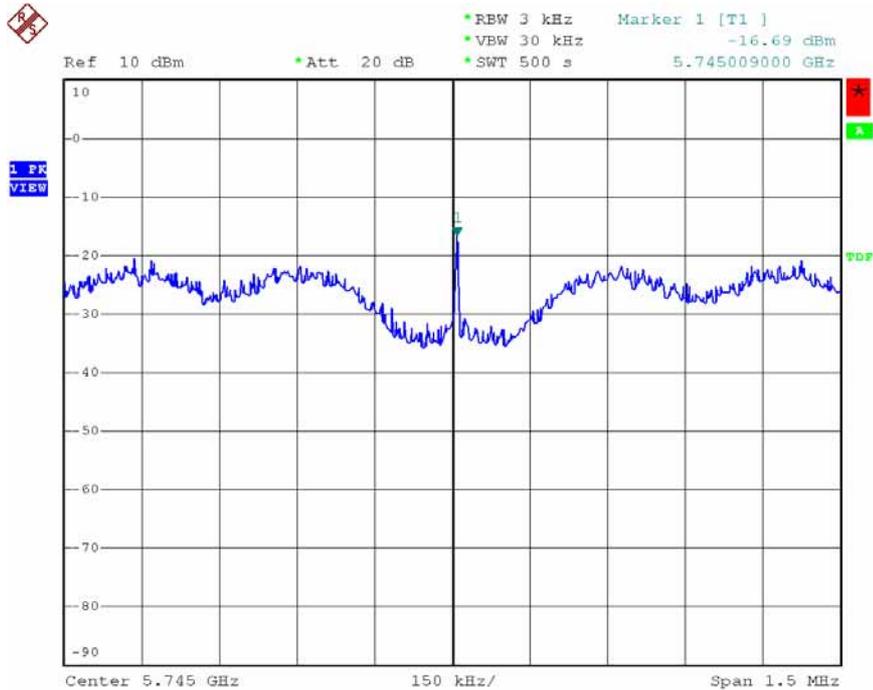
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Modulation Standard: 802.11a (6Mbps), ANT-R  
 Channel: 165



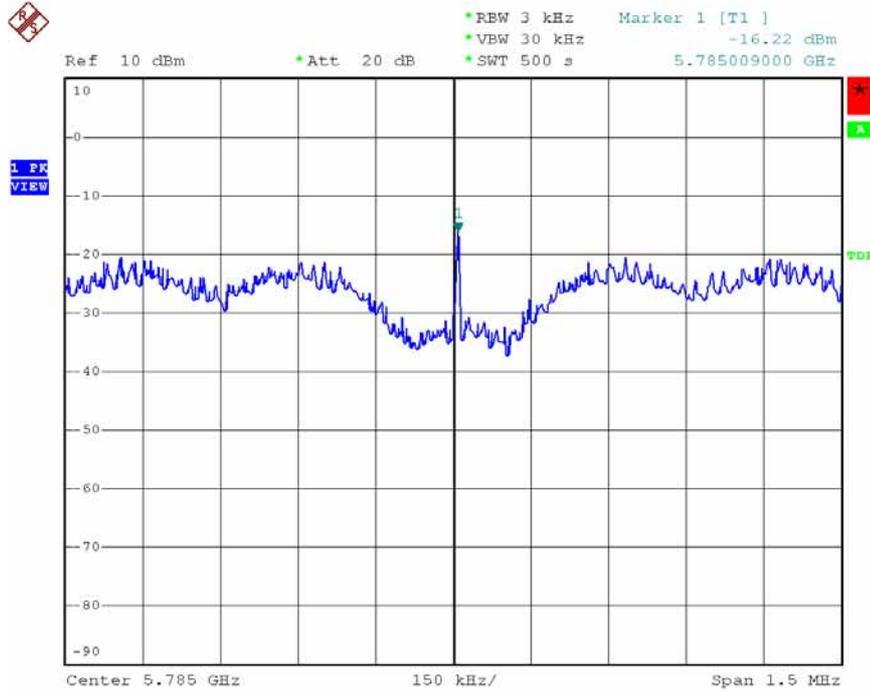
Date: 27.MAR.2008 15:02:39

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R (ANT-L)  
 Channel: 149



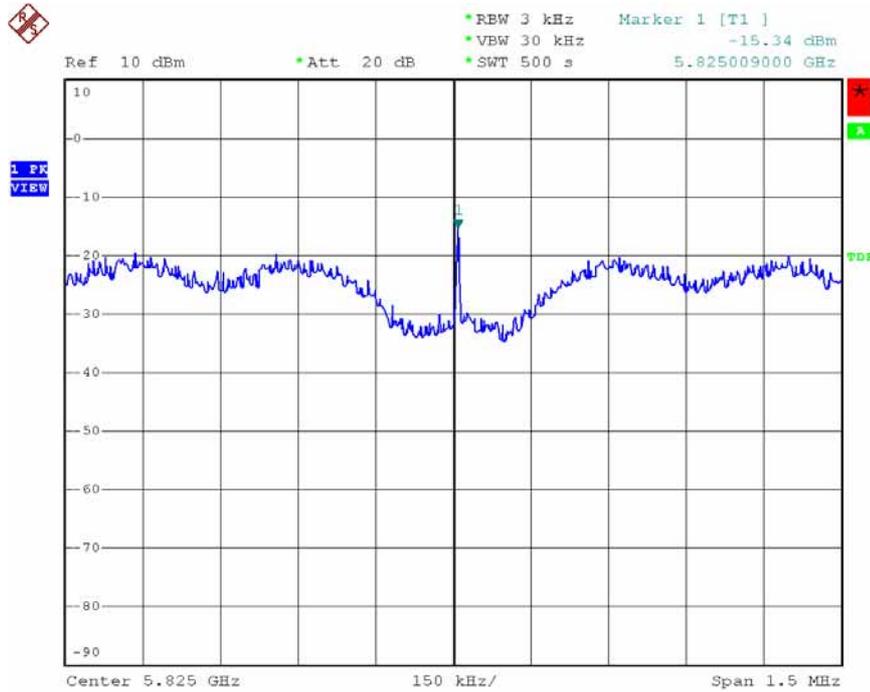
Date: 1.MAY.2008 21:57:44

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R (ANT-L)  
 Channel: 157



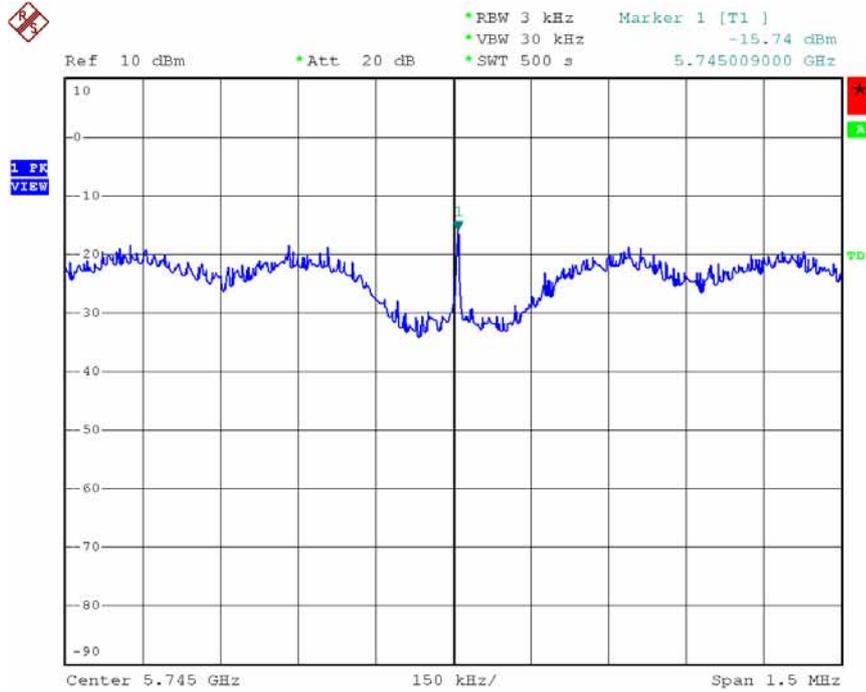
Date: 1.MAY.2008 21:56:19

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R (ANT-L)  
 Channel: 165



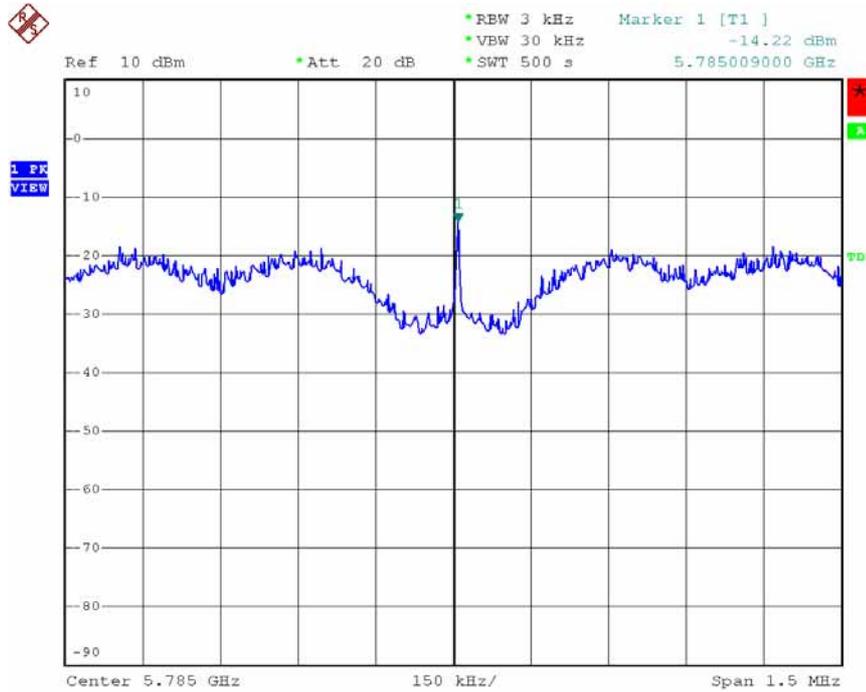
Date: 1.MAY.2008 21:55:30

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R (ANT-R)  
 Channel: 149



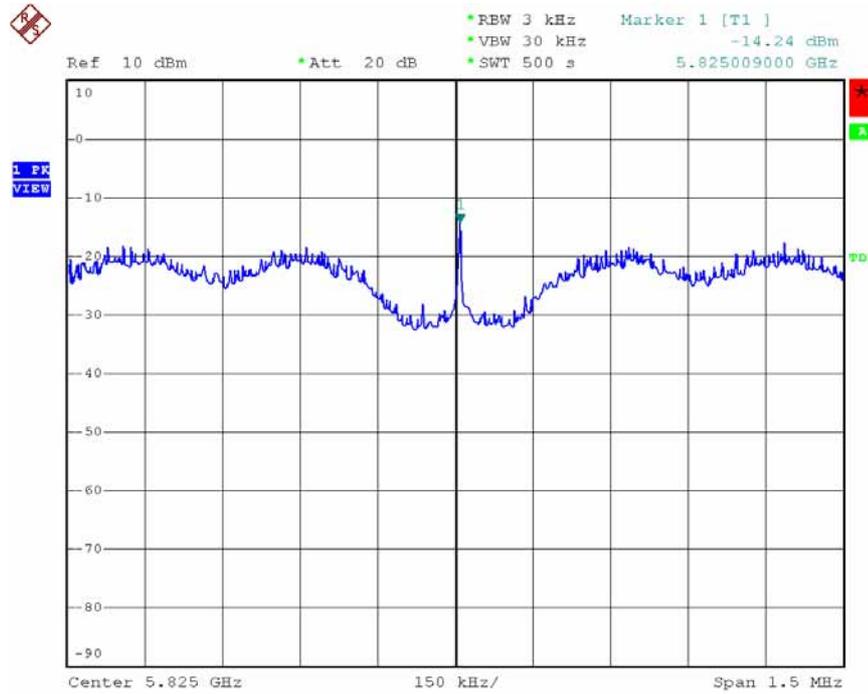
Date: 1.MAY.2008 21:59:38

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R (ANT-R)  
 Channel: 157



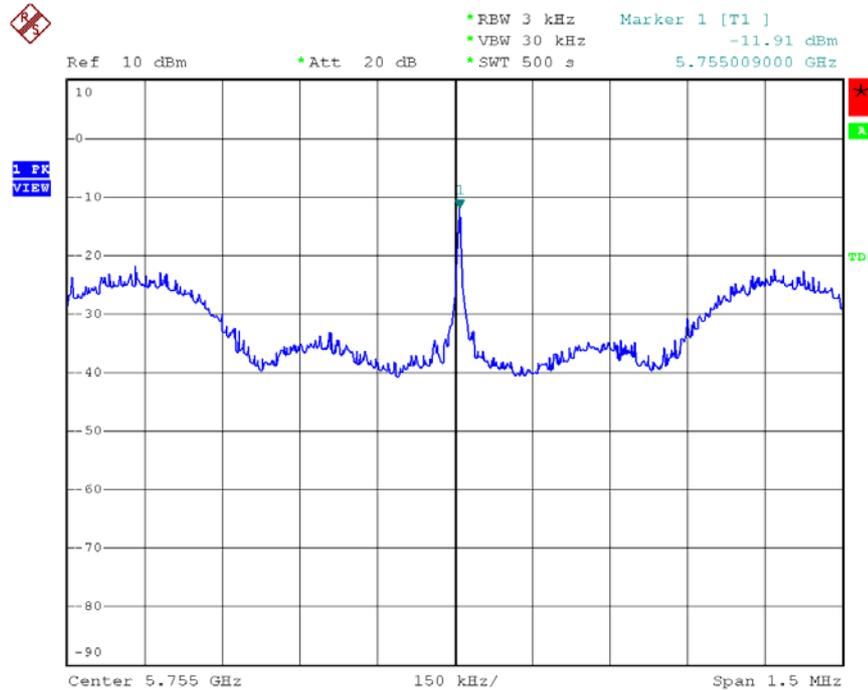
Date: 1.MAY.2008 22:00:33

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-L + ANT-R (ANT-R)  
 Channel: 165



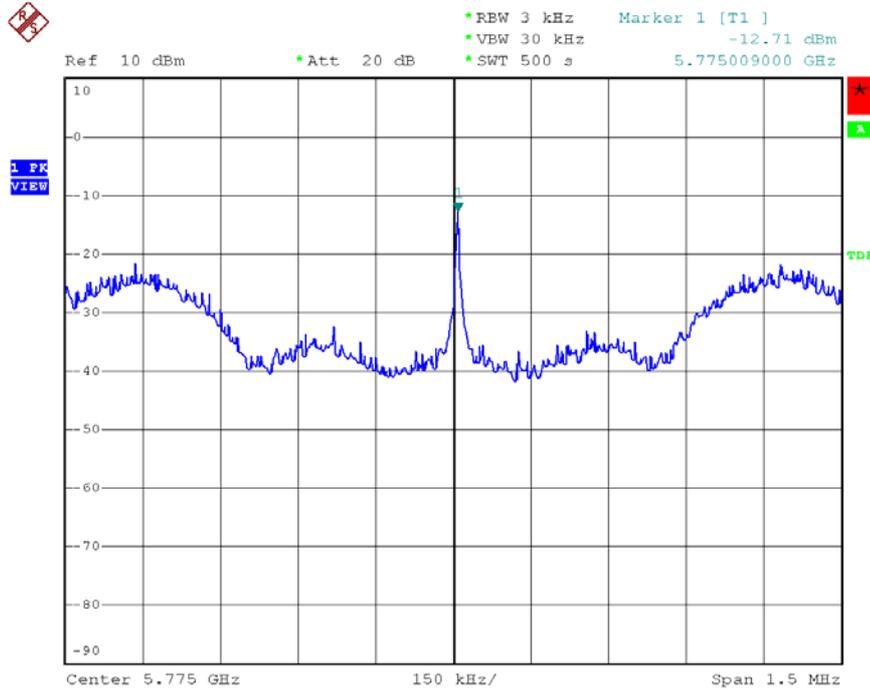
Date: 1.MAY.2008 22:01:24

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R (ANT-L)  
 Channel: 151



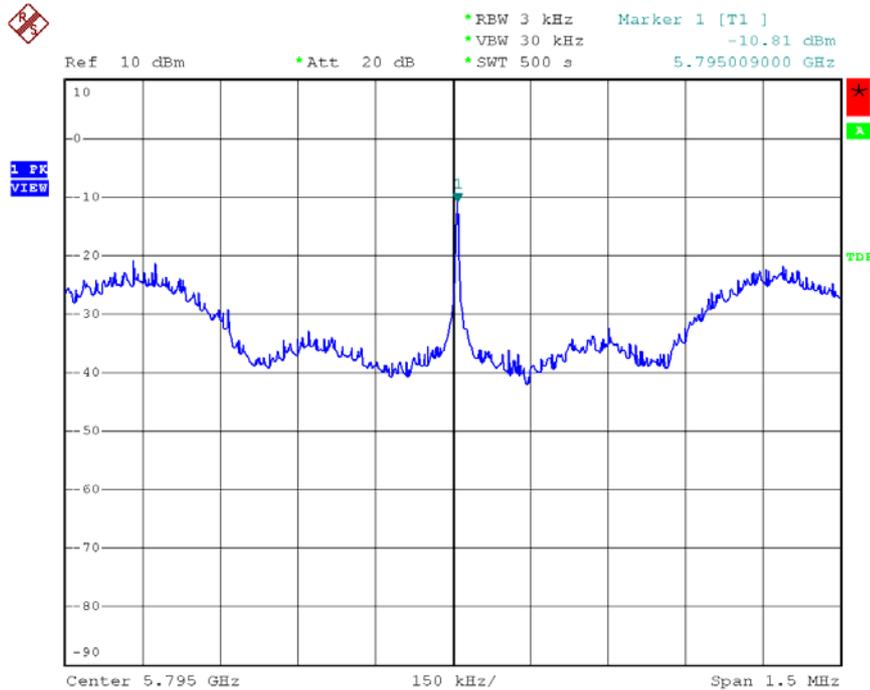
Date: 1.MAY.2008 22:12:43

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R (ANT-L)  
 Channel: 155



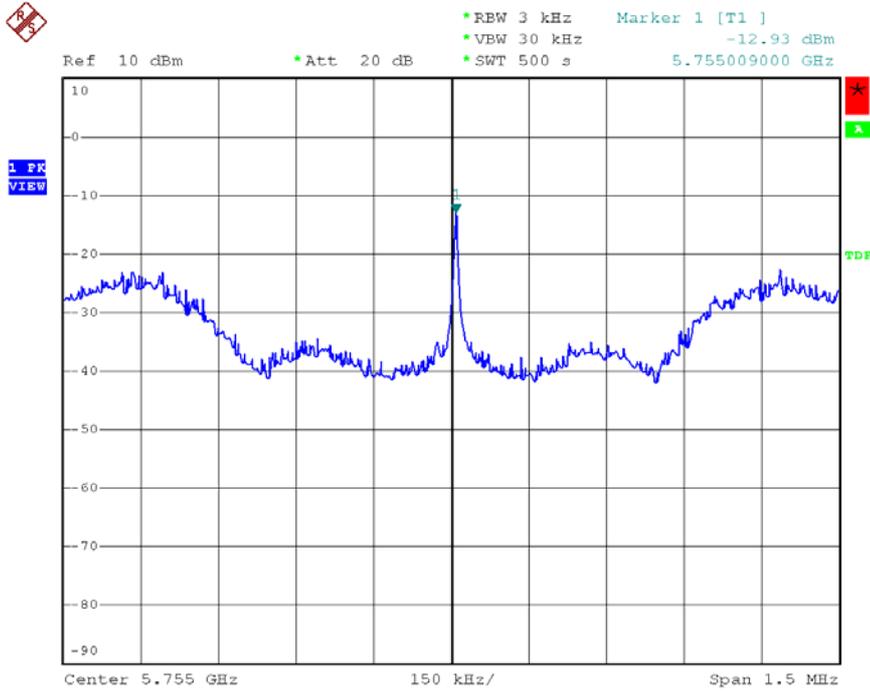
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Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R (ANT-L)  
 Channel: 159



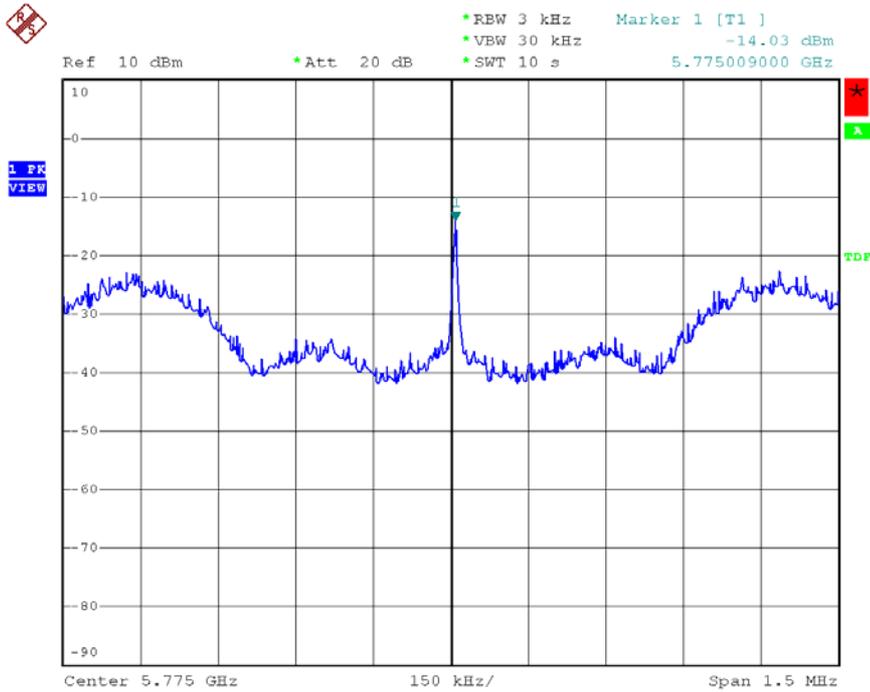
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Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R (ANT-R)  
Channel: 151



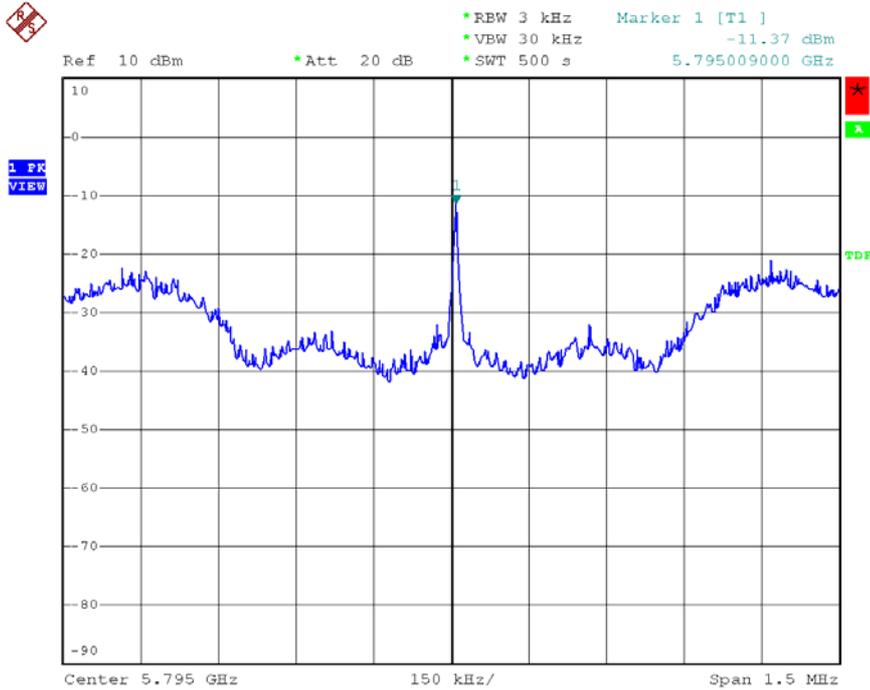
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Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R (ANT-R)  
Channel: 155



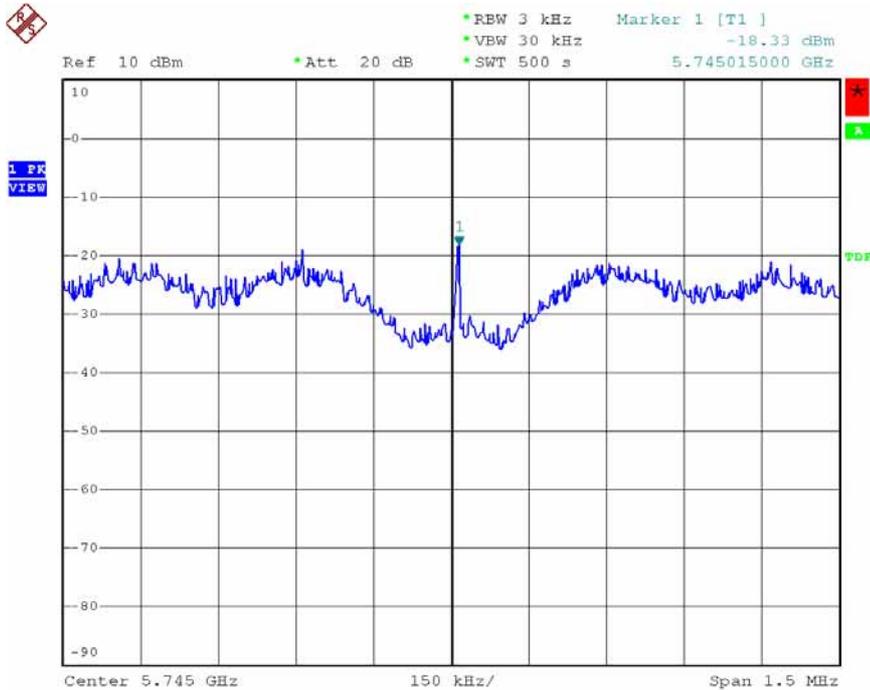
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Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-L + ANT-R (ANT-R)  
 Channel: 159



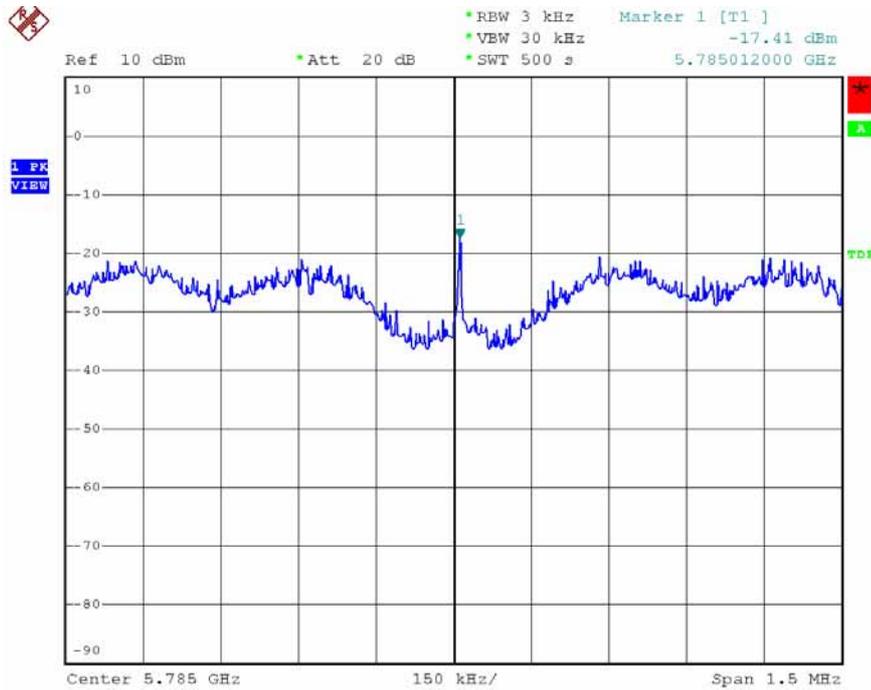
Date: 1.MAY.2008 22:15:02

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-L)  
 Channel: 149



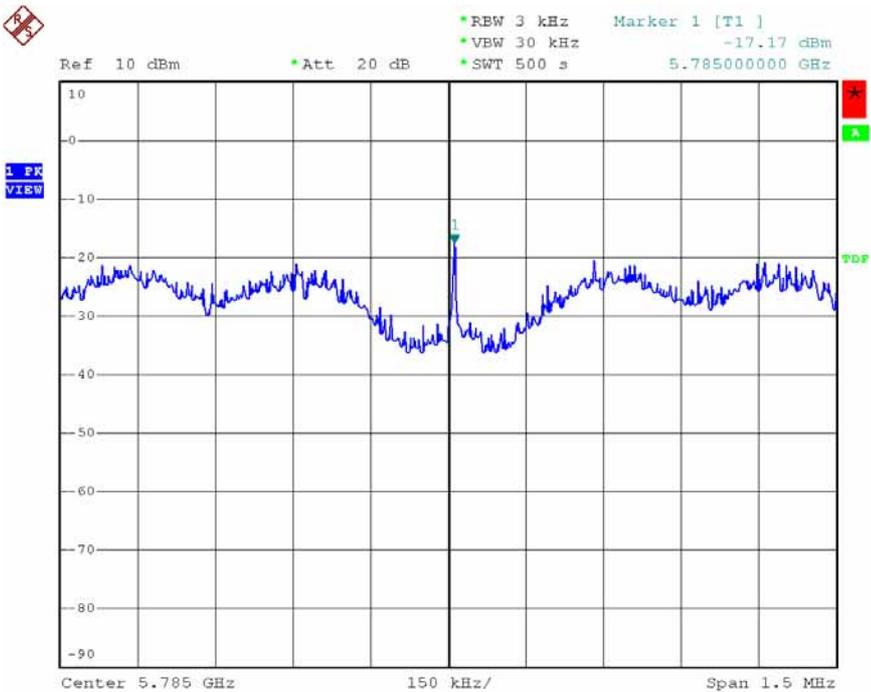
Date: 1.MAY.2008 21:02:43

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-L)  
Channel: 157



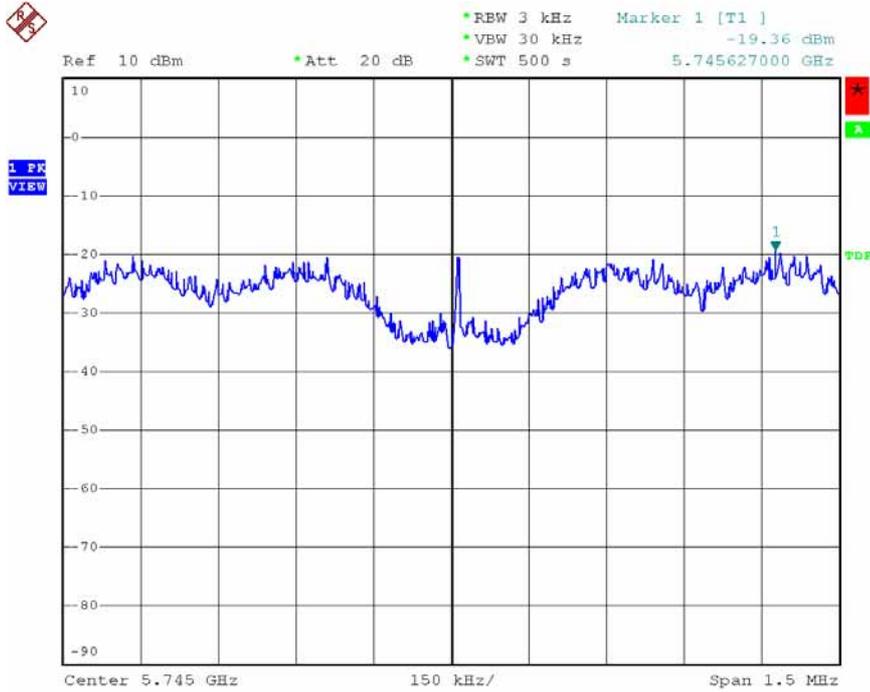
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Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-L)  
Channel: 165



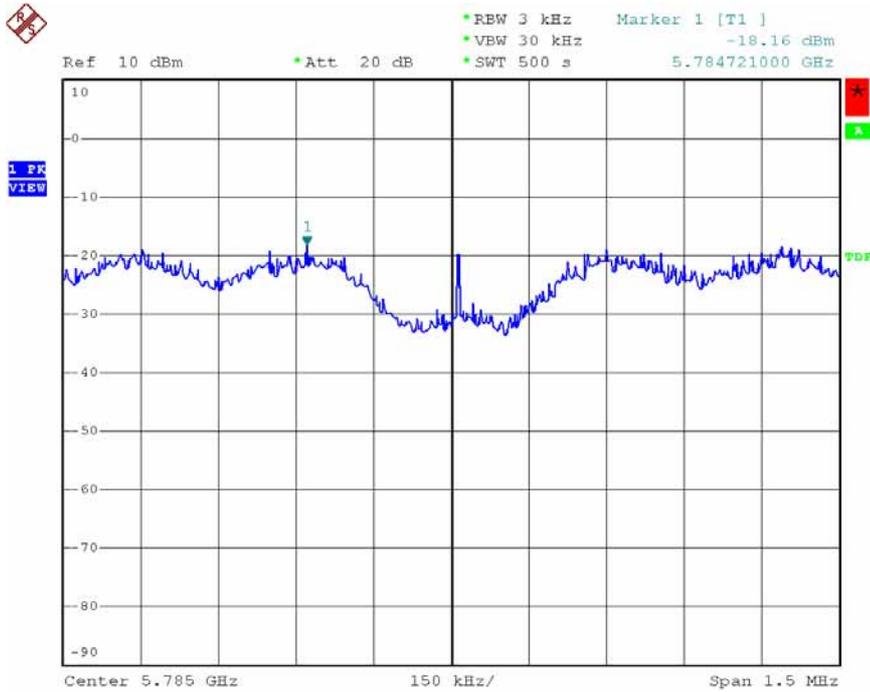
Date: 1.MAY.2008 21:01:04

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-M)  
Channel: 149



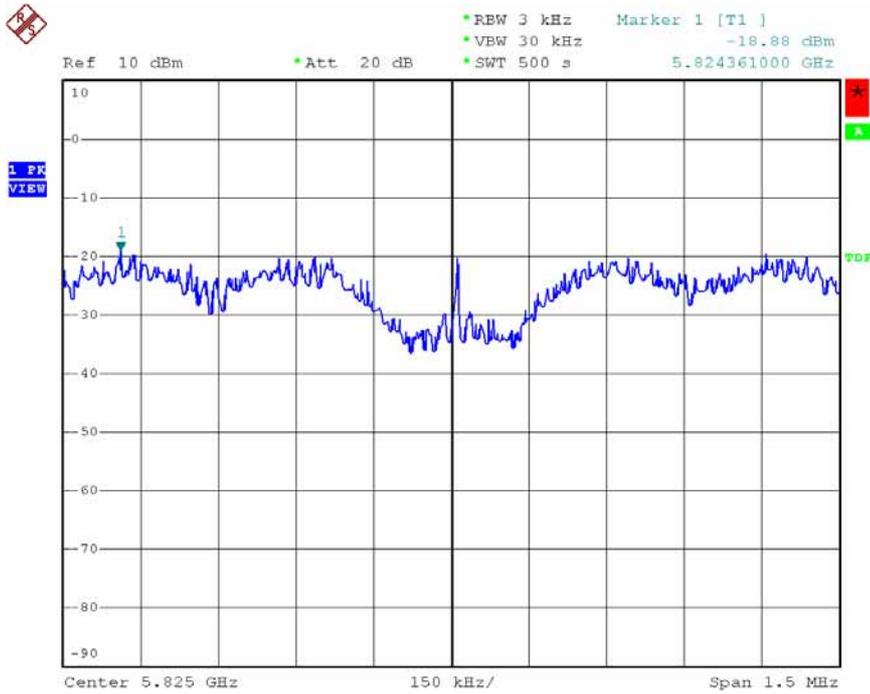
Date: 1.MAY.2008 21:03:54

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-M)  
Channel: 157



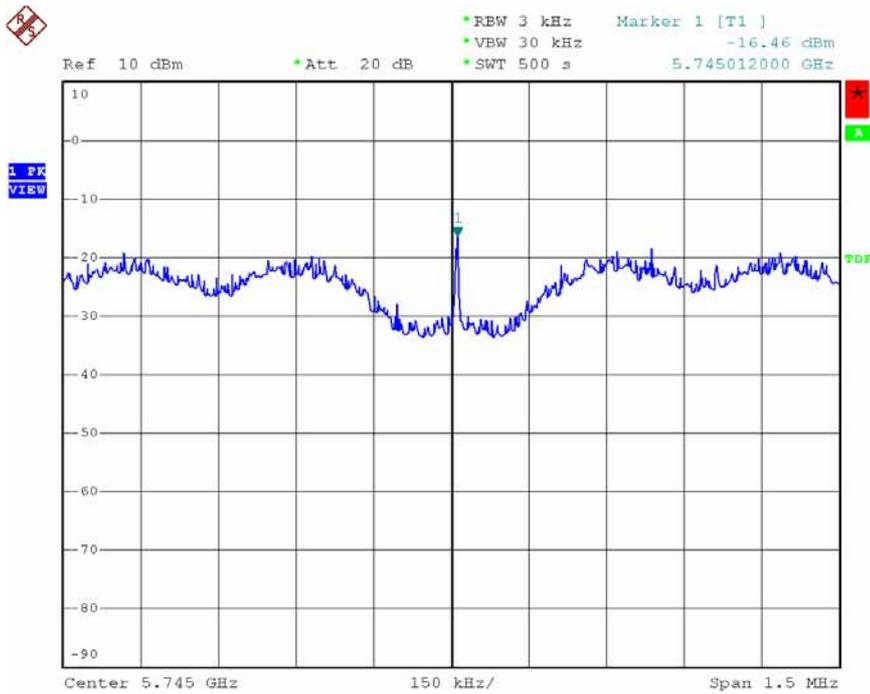
Date: 1.MAY.2008 21:05:04

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-M)  
 Channel: 165



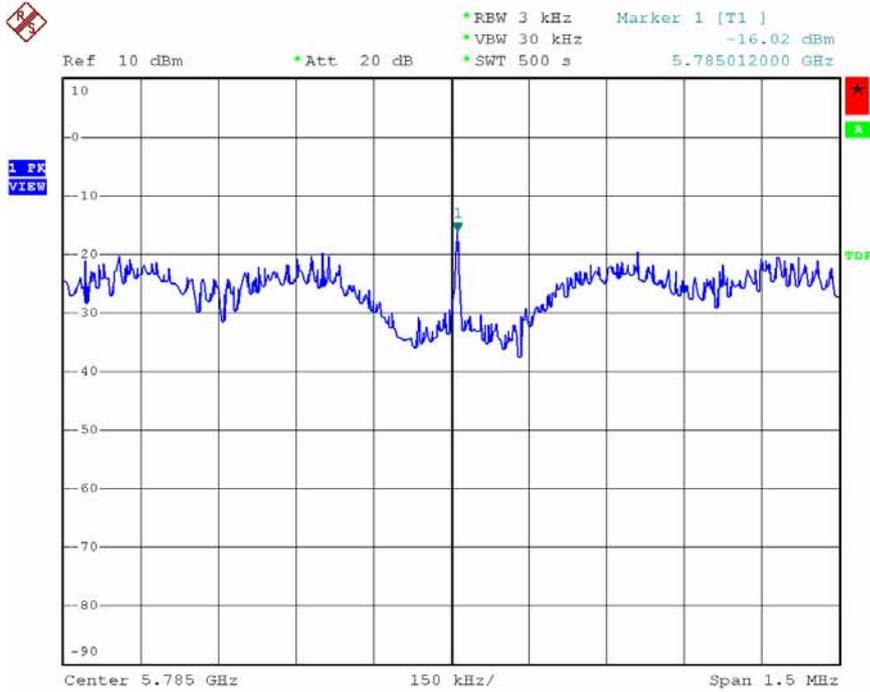
Date: 1.MAY.2008 21:06:43

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-R)  
 Channel: 149



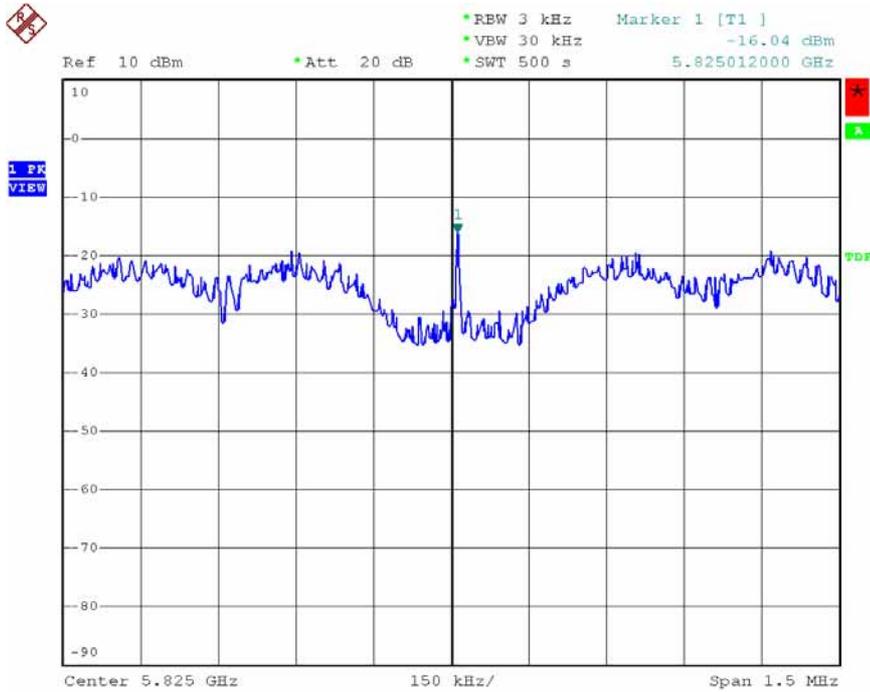
Date: 1.MAY.2008 21:09:09

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-R)  
 Channel: 157



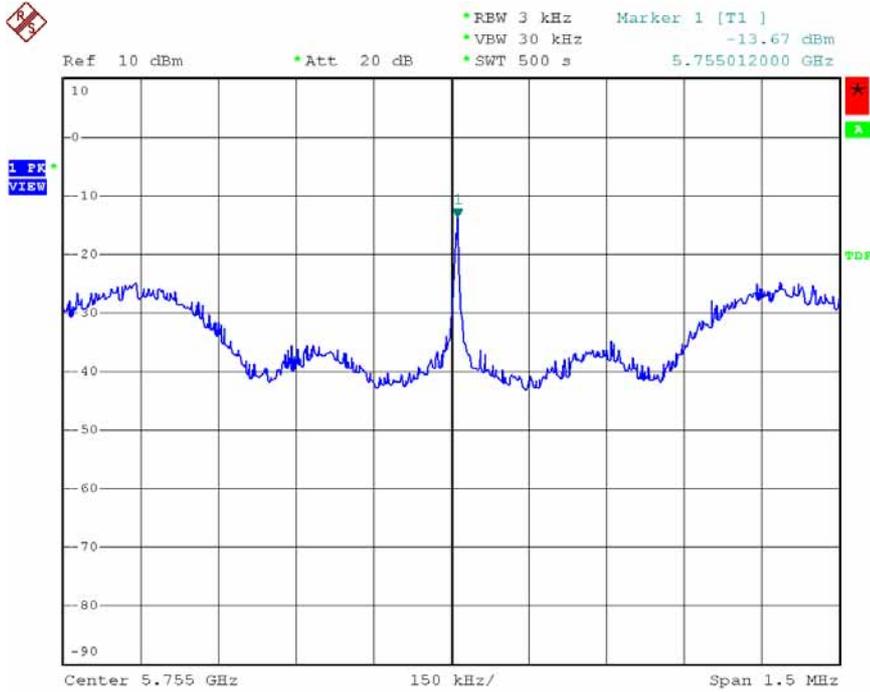
Date: 1.MAY.2008 21:08:25

Modulation Standard: 802.11an, HT20 (6.5Mbps), ANT-ALL (ANT-R)  
 Channel: 165



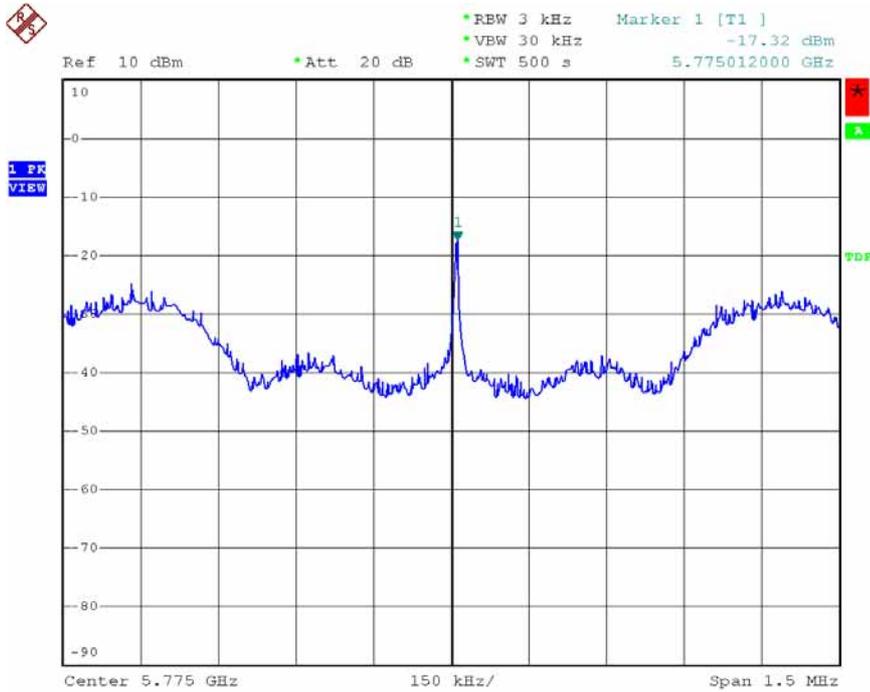
Date: 1.MAY.2008 21:07:32

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-L)  
 Channel: 151



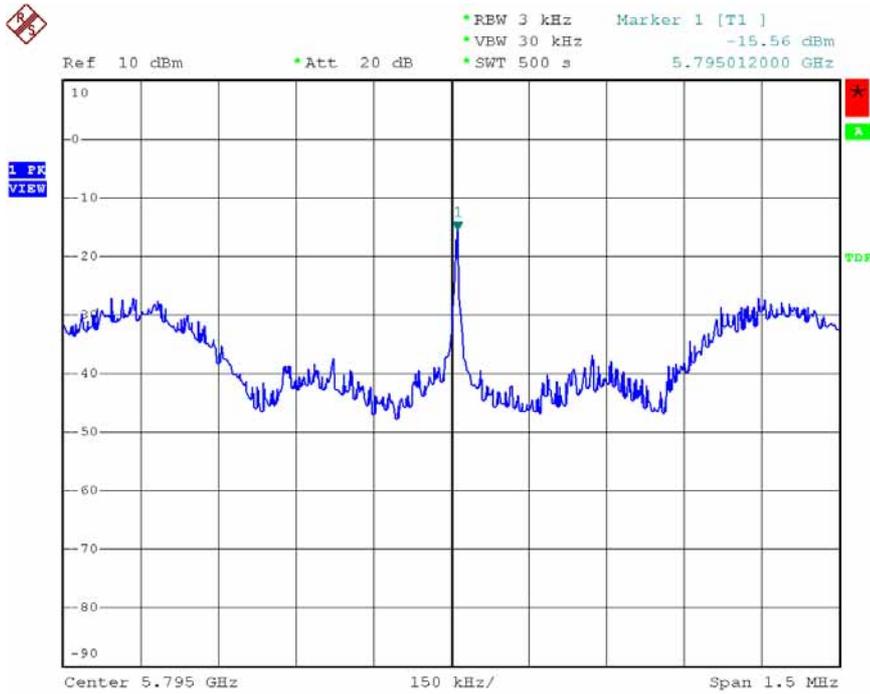
Date: 1.MAY.2008 21:25:05

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-L)  
 Channel: 155



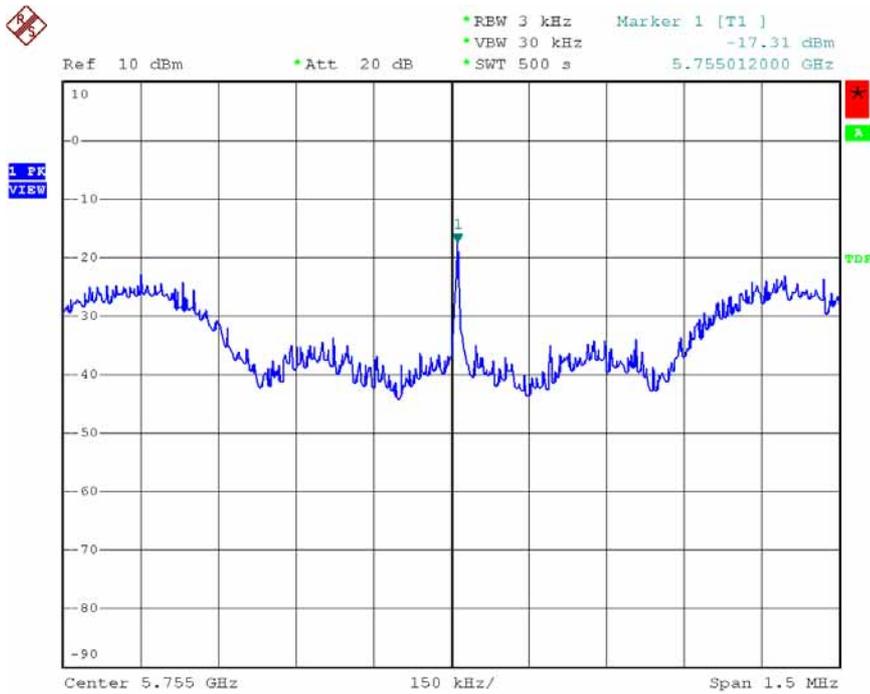
Date: 1.MAY.2008 21:30:56

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-L)  
 Channel: 159



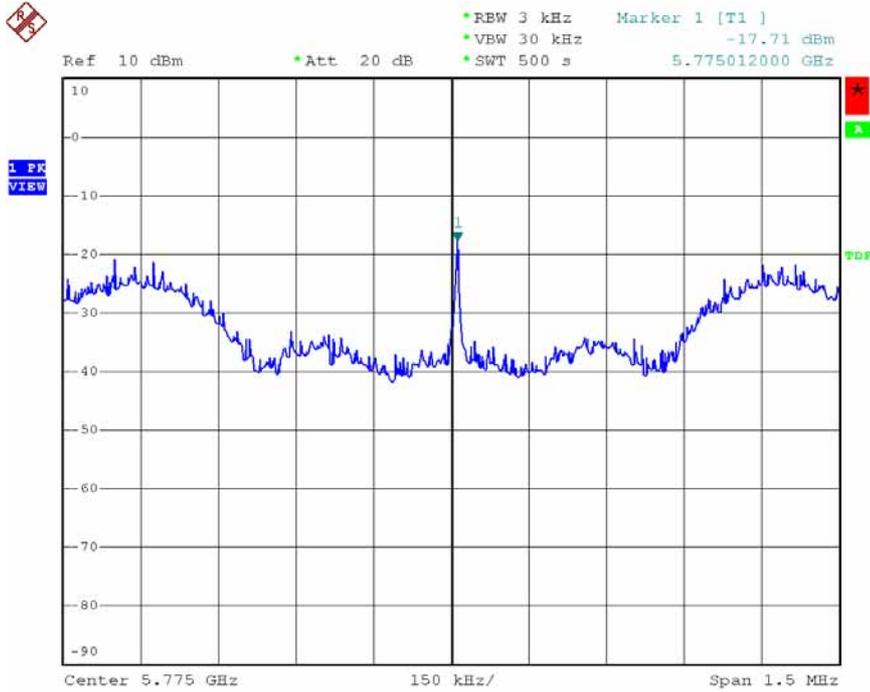
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Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-M)  
 Channel: 151



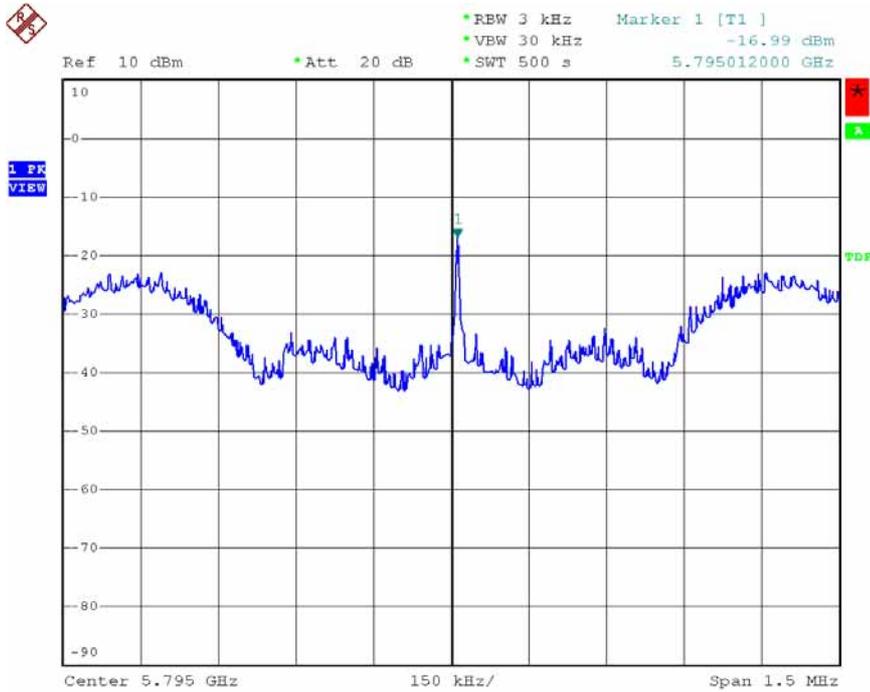
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Channel: 155



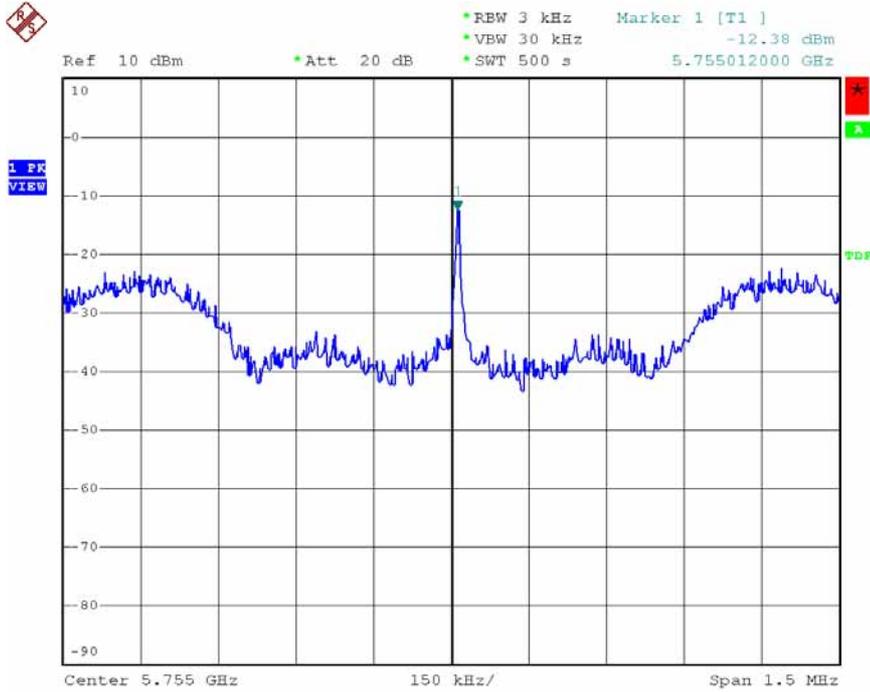
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Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-M)  
Channel: 159



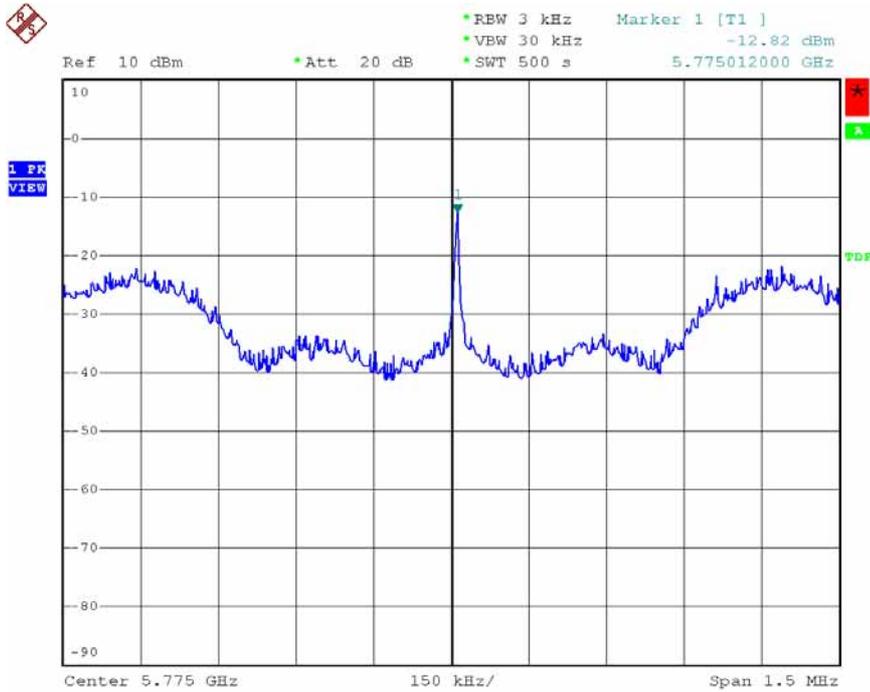
Date: 1.MAY.2008 21:33:10

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-R)  
Channel: 151



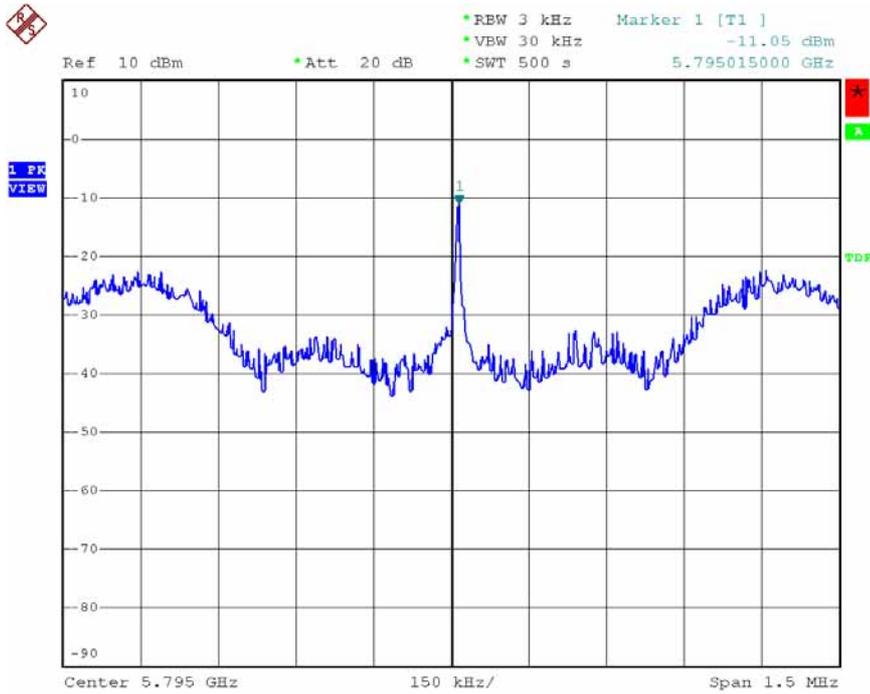
Date: 1.MAY.2008 21:26:45

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-R)  
Channel: 155



Date: 1.MAY.2008 21:27:54

Modulation Standard: 802.11an, HT40 (13.5Mbps), ANT-ALL (ANT-R)  
Channel: 159



Date: 1.MAY.2008 21:34:03

## 16. Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 – 0.11000	16.42000 – 16.42300	399.9 – 410.0	4.500 – 5.250
0.49500 – 0.505**	16.69475 – 16.69525	608.0 – 614.0	5.350 – 5.460
2.17350 – 2.19050	16.80425 – 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 – 25.67000	1300.0 – 1427.0	8.025 – 8.500
4.17725 – 4.17775	37.50000 – 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 – 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 – 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 – 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 – 138.00000	2200.0 – 2300.0	14.470 – 14.500
8.29100 – 8.29400	149.90000 – 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 – 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 – 8.38675	156.70000 – 156.90000	2655.0 – 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 – 167.17000	3260.0 – 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 – 173.20000	3332.0 – 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 – 285.00000	3345.8 – 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 – 335.40000	3600.0 – 4400.0	Above 38.6
13.36000 – 13.41000			

\*\* : Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

### 16.1 Labeling Requirement

The device shall bear the following statement in a conspicuous location on the device:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.