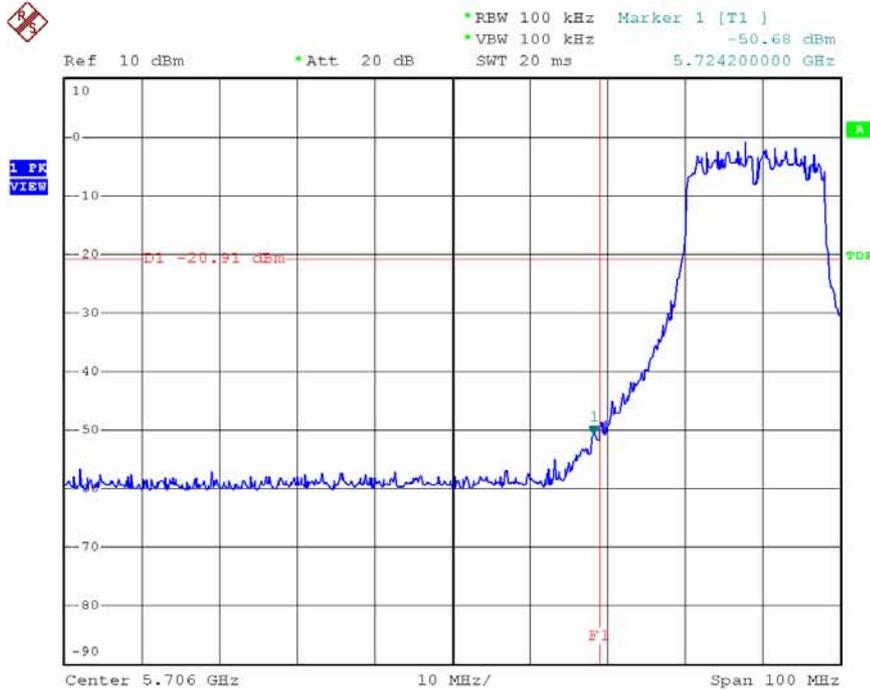
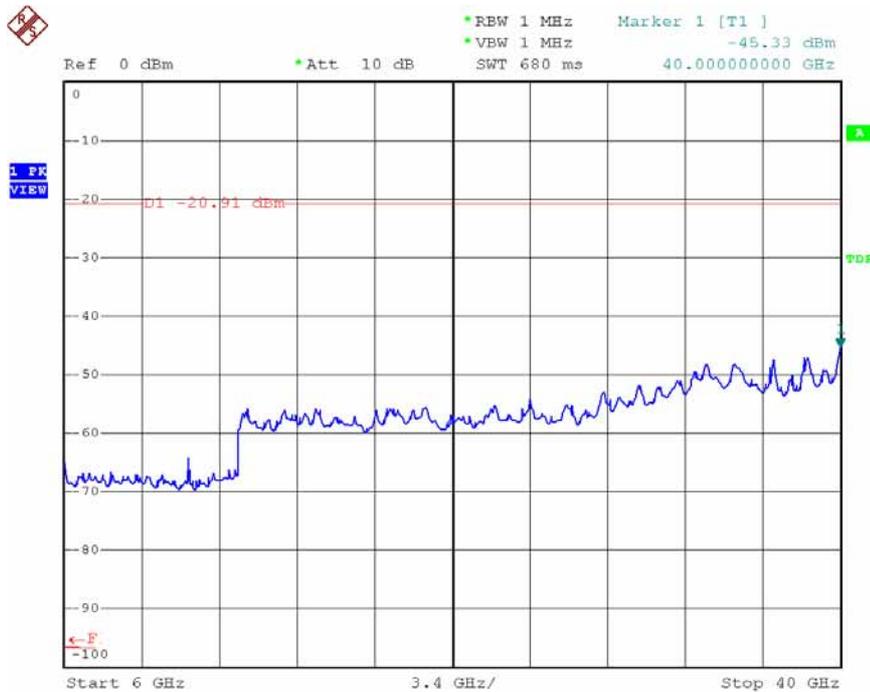


Modulation Standard: 802.11Draft n, 20MHz (130Mbps) – ANT-L1+ANT-R3 (ANT-R3)
 Channel: 149

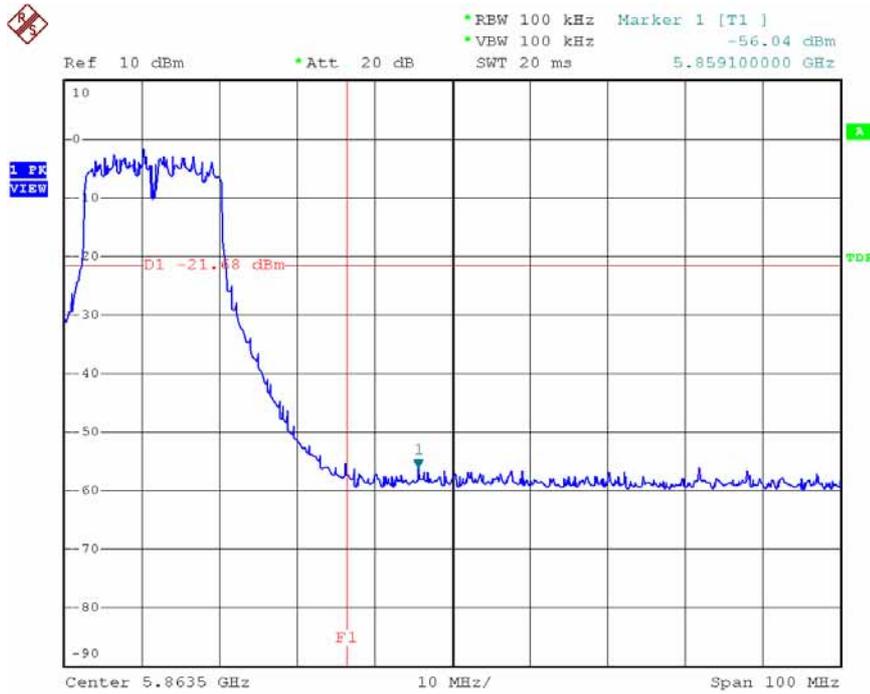


Date: 10.DEC.2007 23:01:47

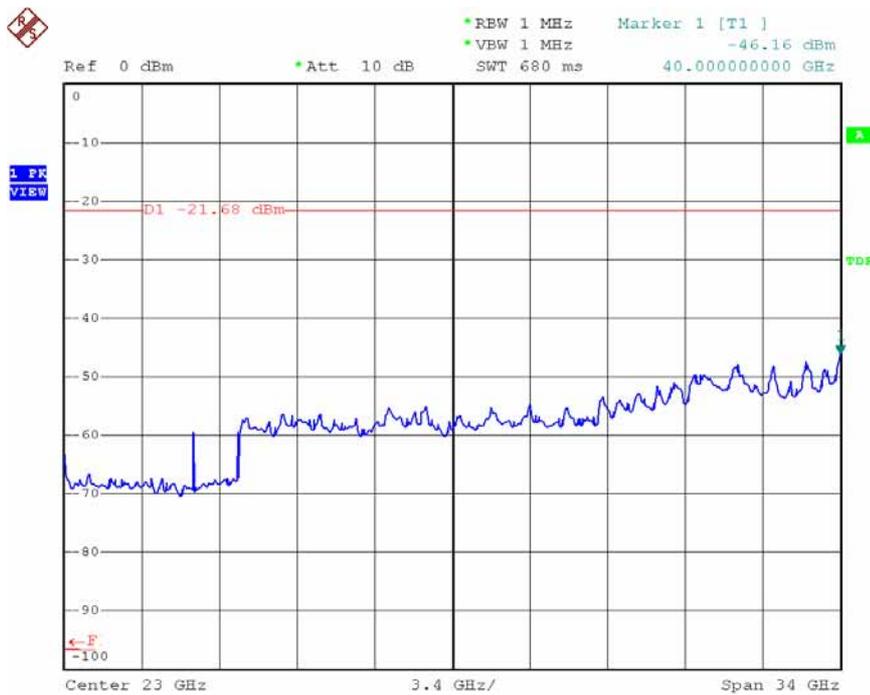


Date: 10.DEC.2007 23:02:49

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) – ANT-L1+ANT-R3 (ANT-R3)
 Channel: 165

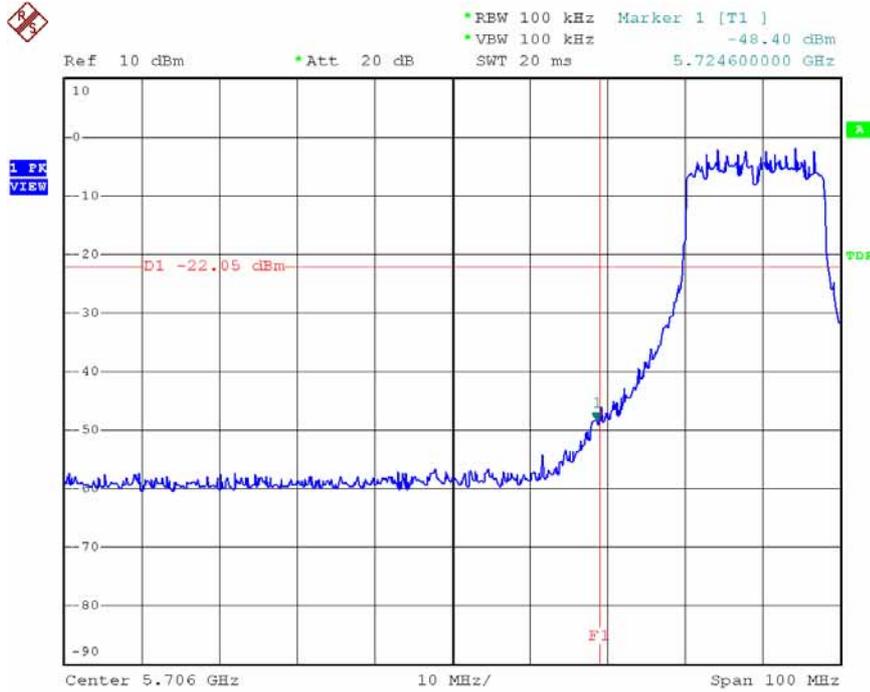


Date: 10.DEC.2007 23:04:37

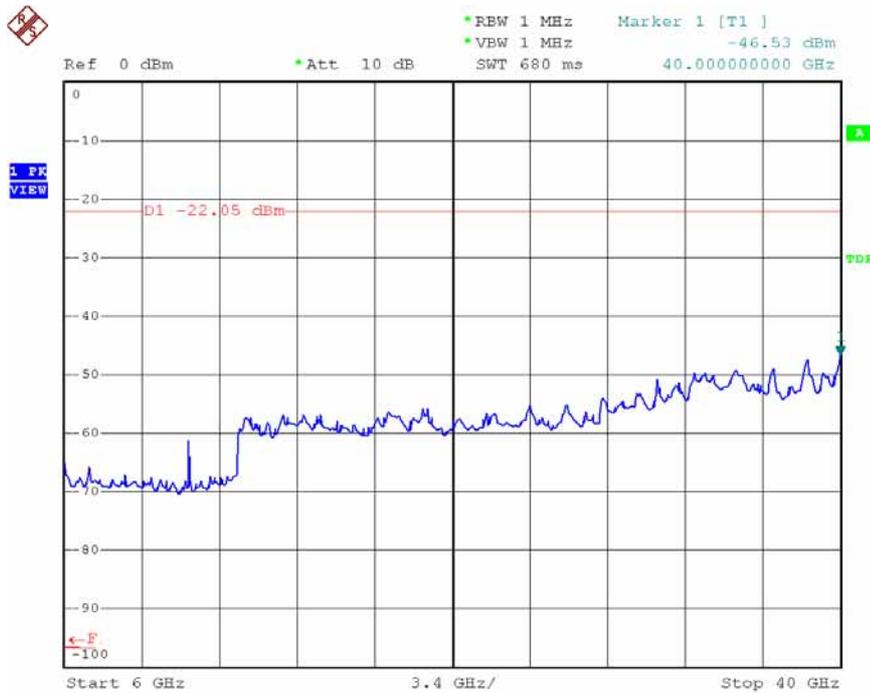


Date: 10.DEC.2007 23:05:47

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) – ANT-R1+ANT-L3 (ANT-R1)
 Channel: 149

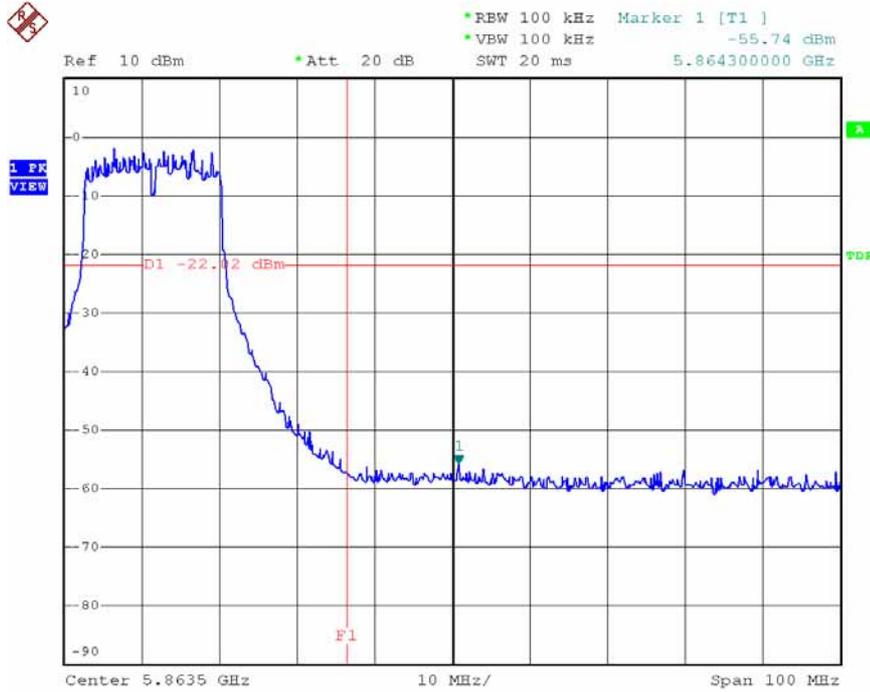


Date: 11.DEC.2007 14:07:48

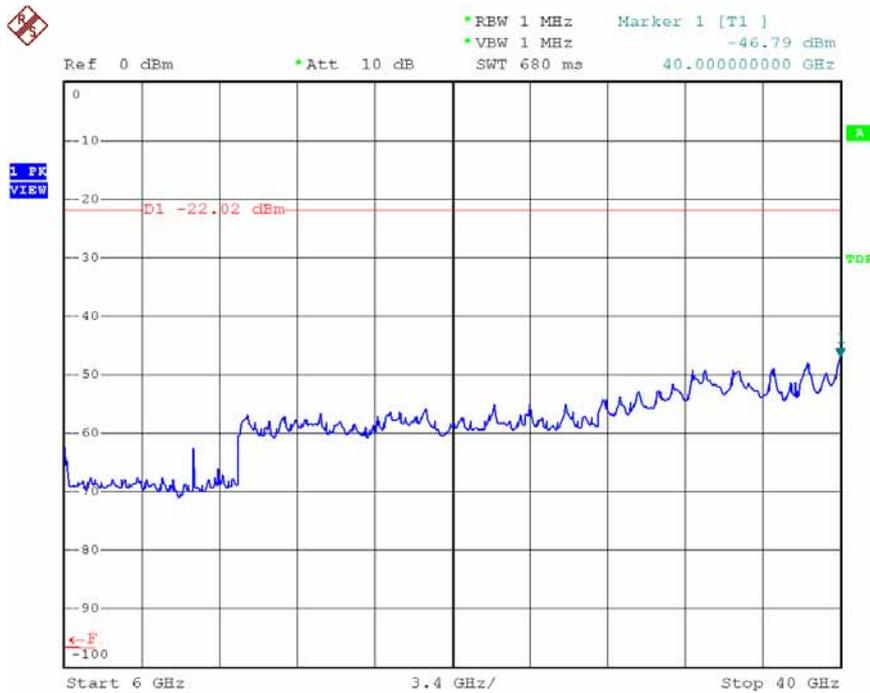


Date: 11.DEC.2007 14:09:44

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) – ANT-R1+ANT-L3 (ANT-R1)
 Channel: 165

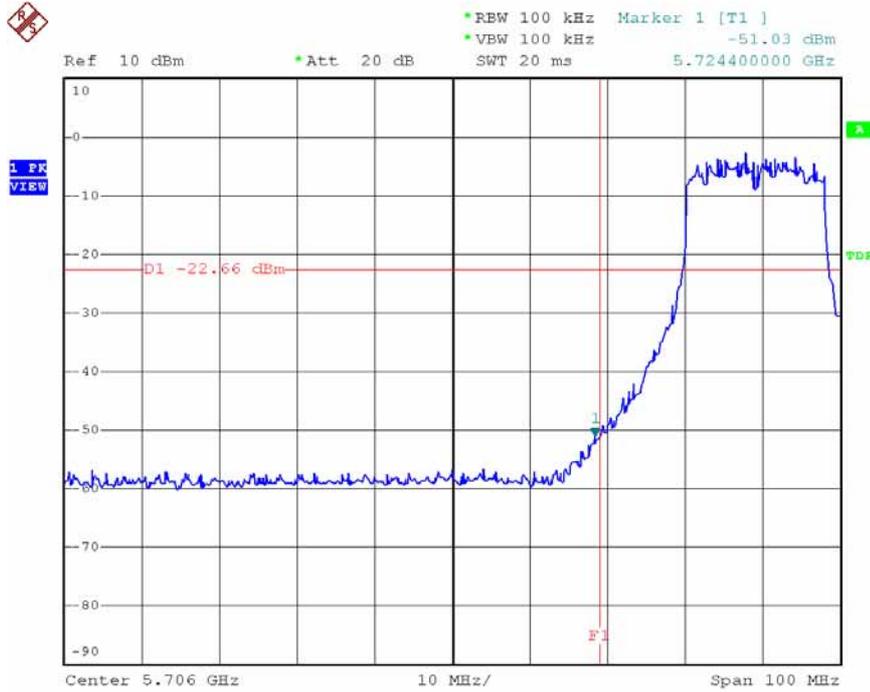


Date: 11.DEC.2007 14:11:06

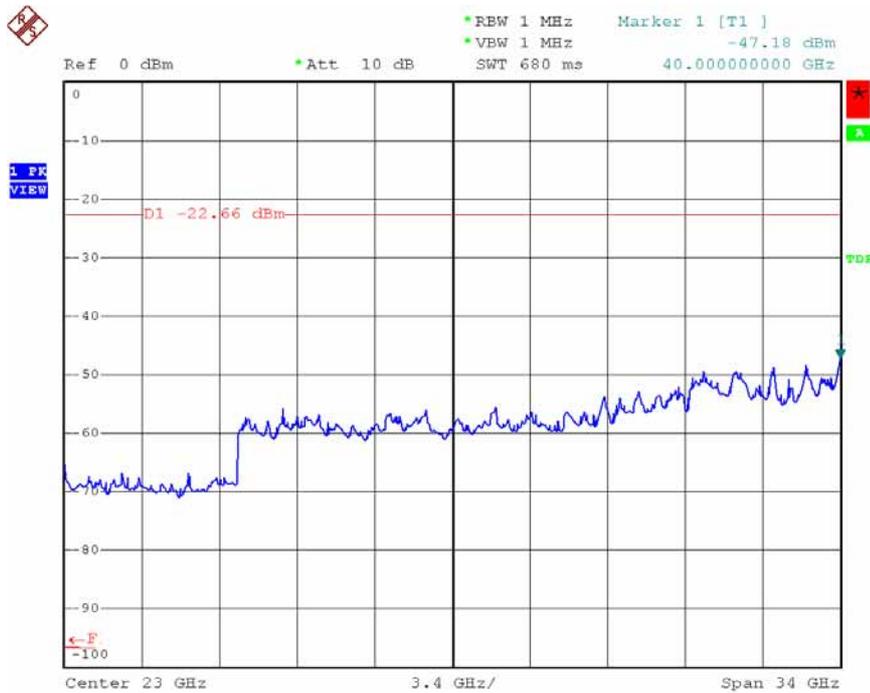


Date: 11.DEC.2007 14:12:16

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) – ANT-R1+ANT-L3 (ANT-L3)
 Channel: 149

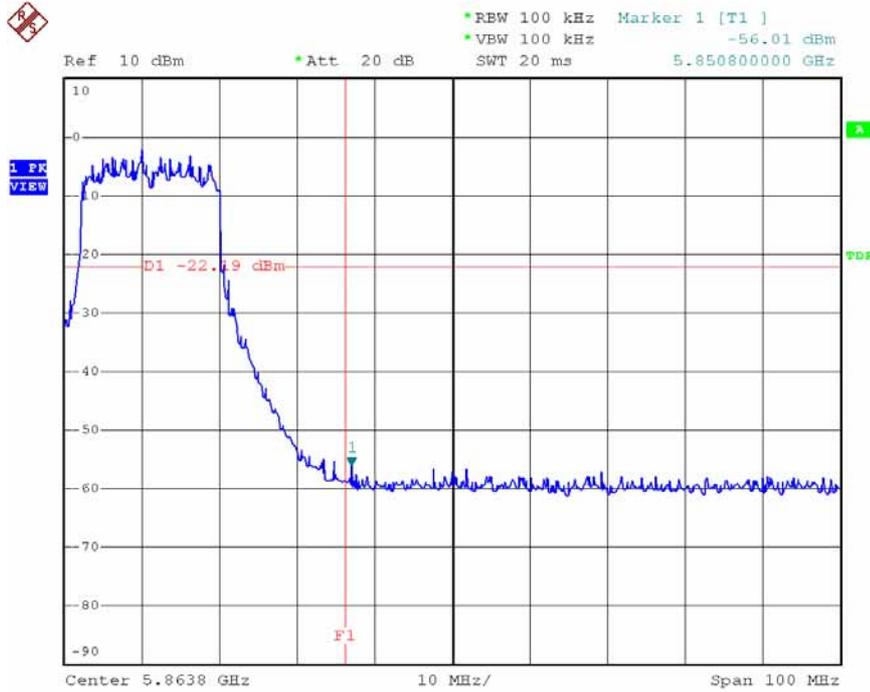


Date: 11.DEC.2007 14:05:29

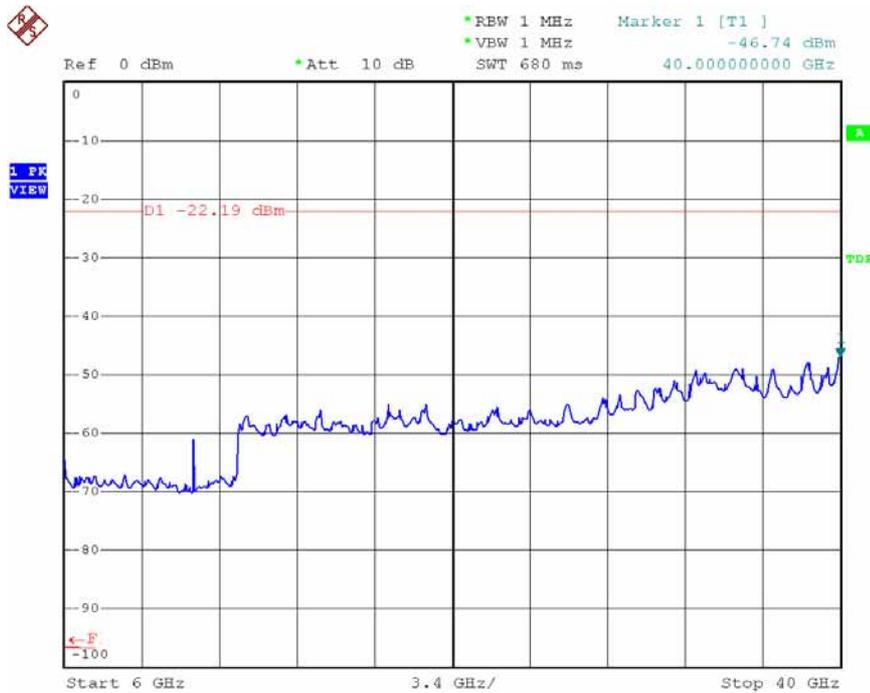


Date: 11.DEC.2007 14:06:19

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) – ANT-R1+ANT-L3 (ANT-L3)
 Channel: 165

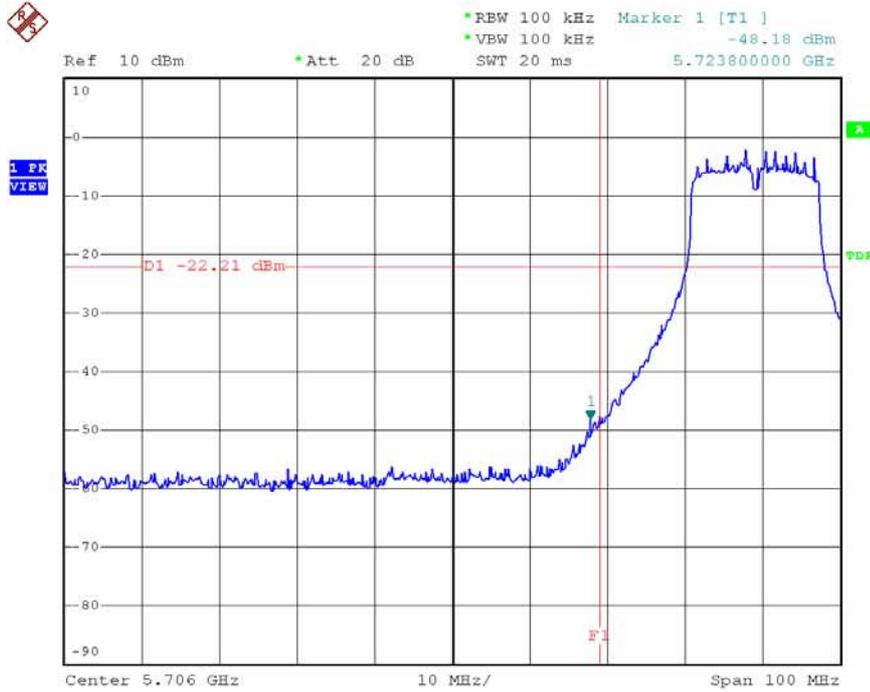


Date: 11.DEC.2007 14:13:32

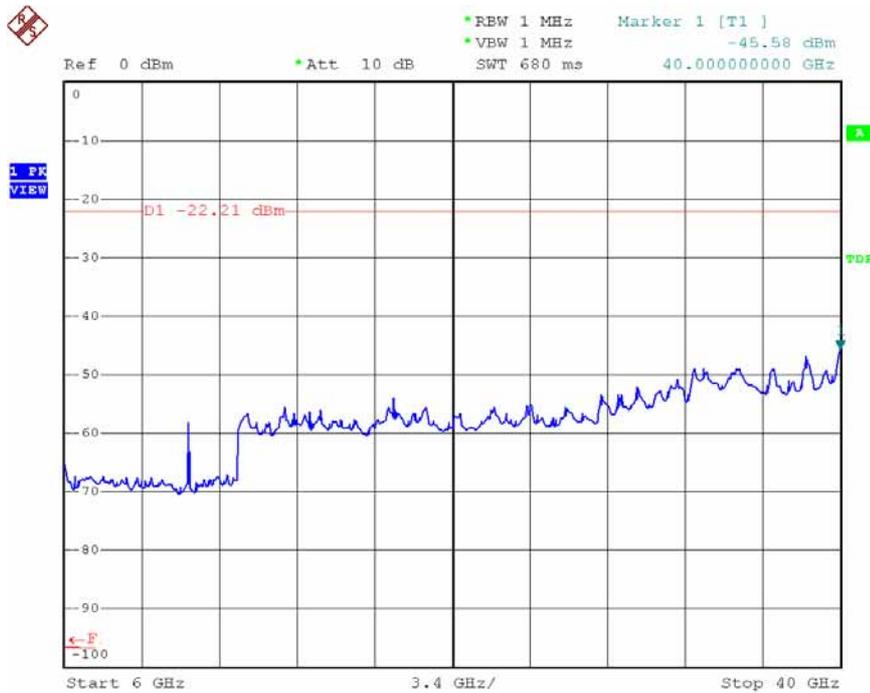


Date: 11.DEC.2007 14:14:21

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) – ANT-R1+ANT-R3 (ANT-R1)
 Channel: 149

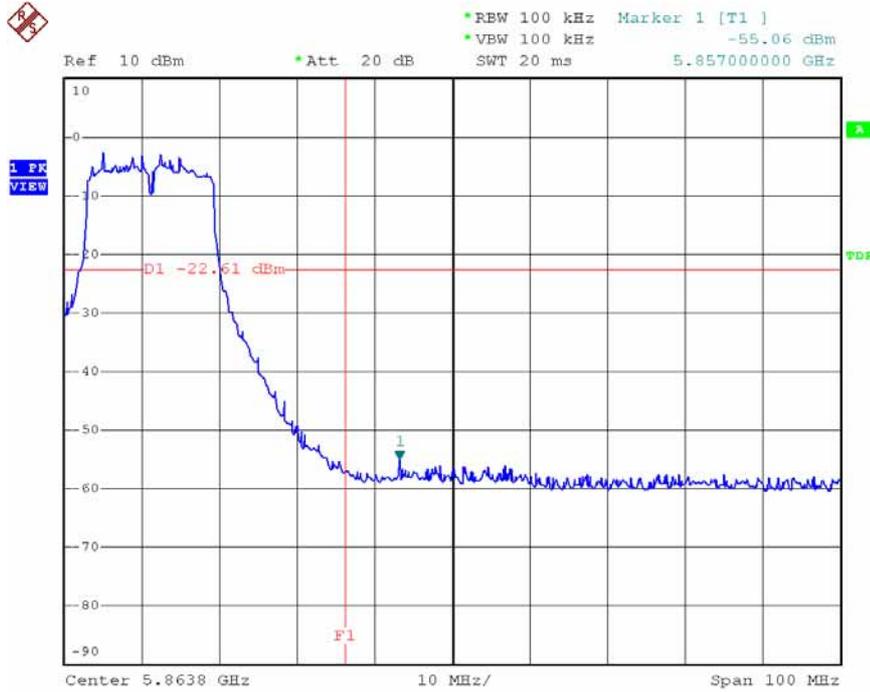


Date: 11.DEC.2007 09:54:59

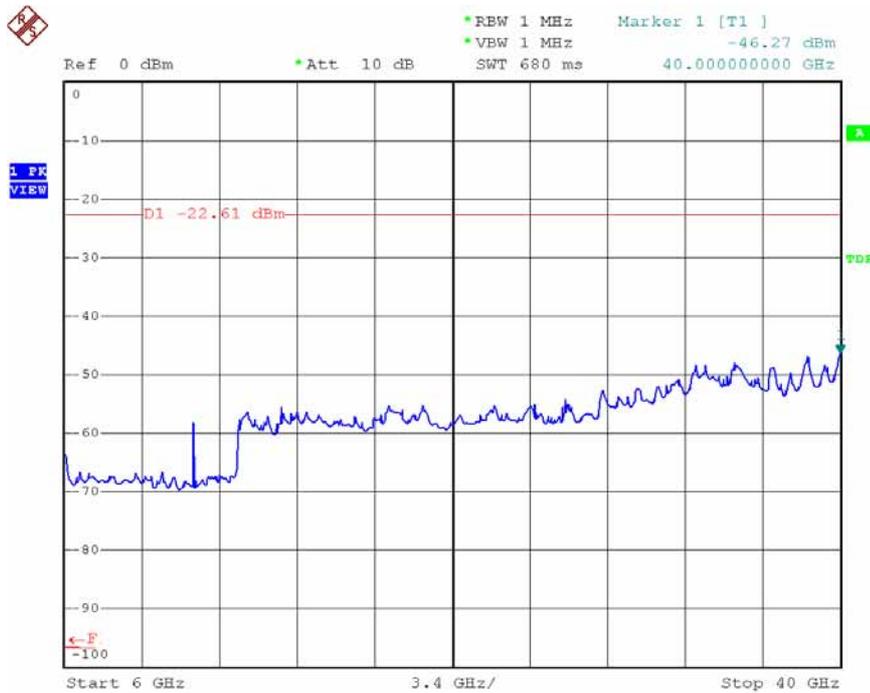


Date: 11.DEC.2007 09:55:43

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) – ANT-R1+ANT-R3 (ANT-R1)
 Channel: 165

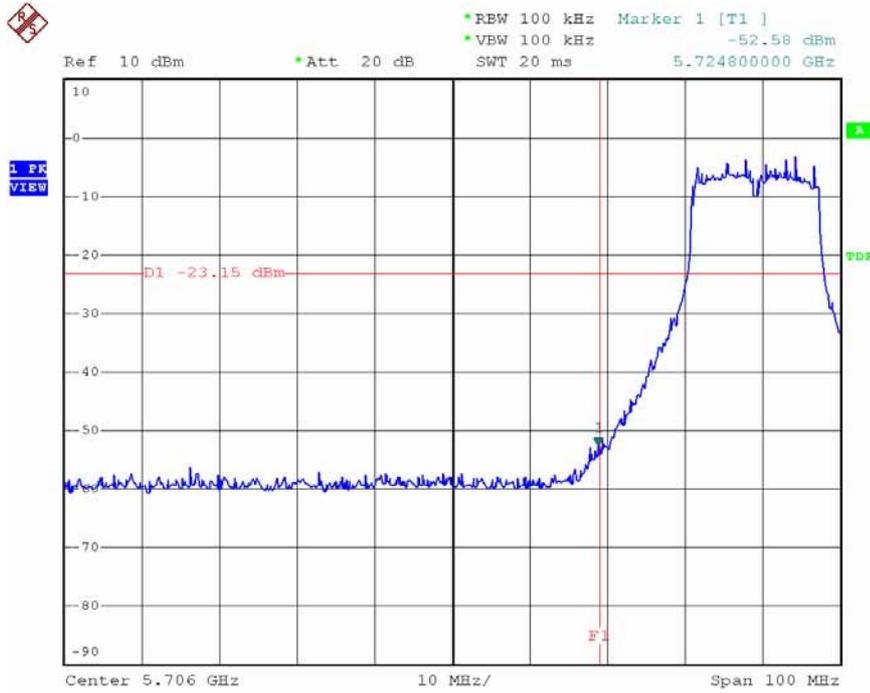


Date: 11.DEC.2007 09:45:37

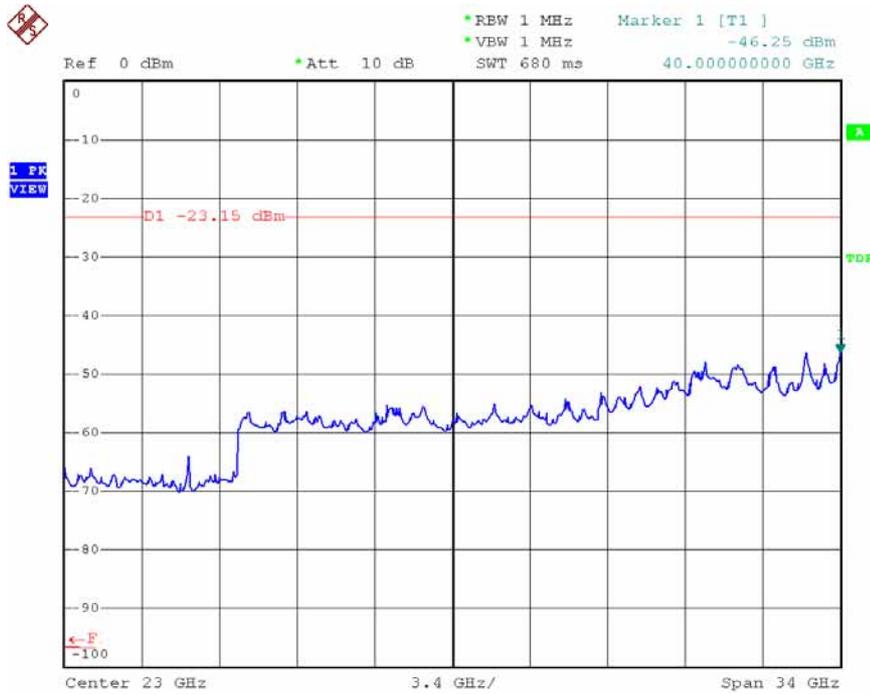


Date: 11.DEC.2007 09:47:10

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) – ANT-R1+ANT-R3 (ANT-R3)
 Channel: 149

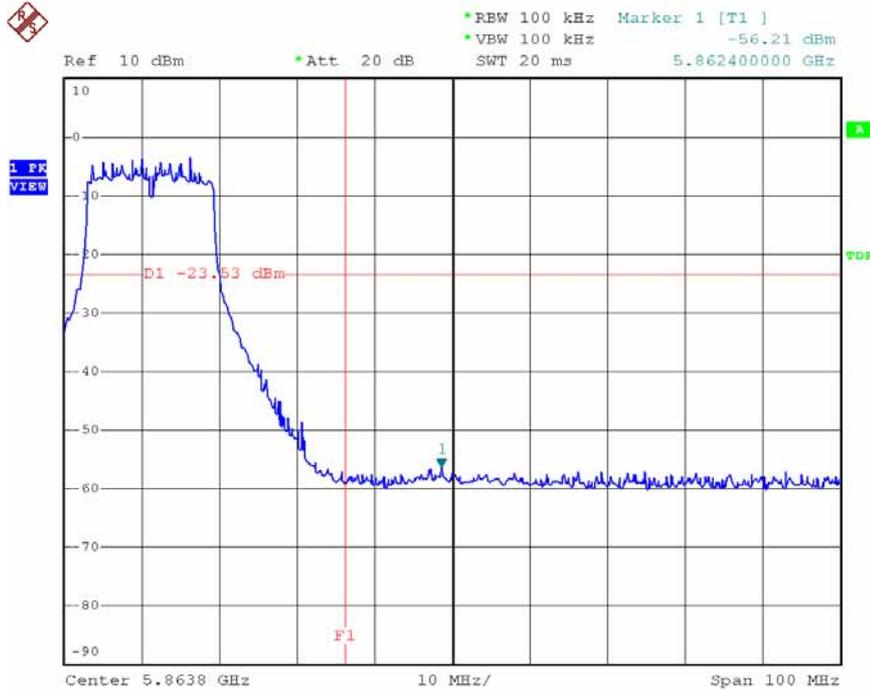


Date: 11.DEC.2007 09:51:02

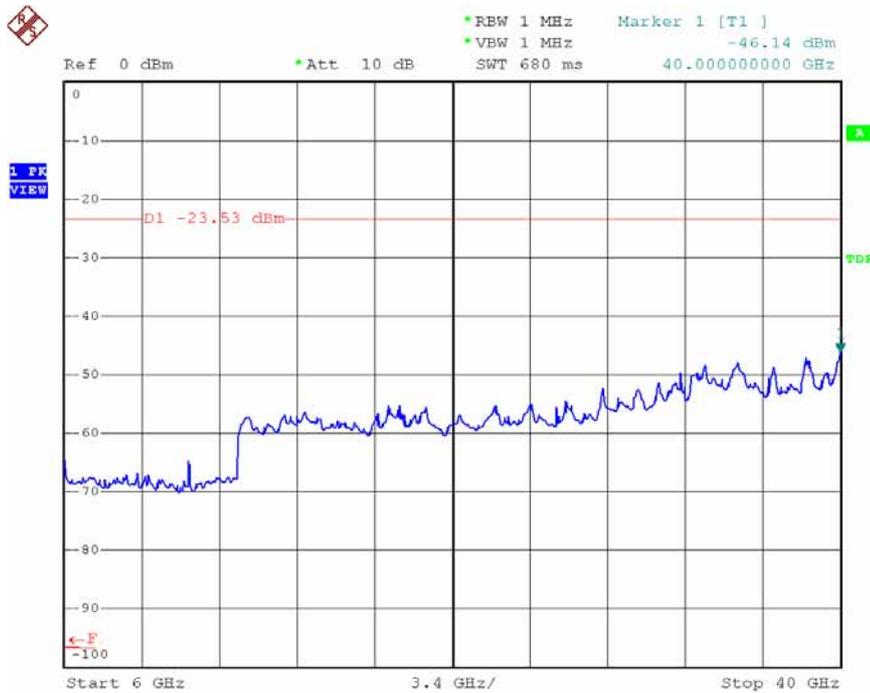


Date: 11.DEC.2007 09:52:16

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) – ANT-R1+ANT-R3 (ANT-R3)
 Channel: 165

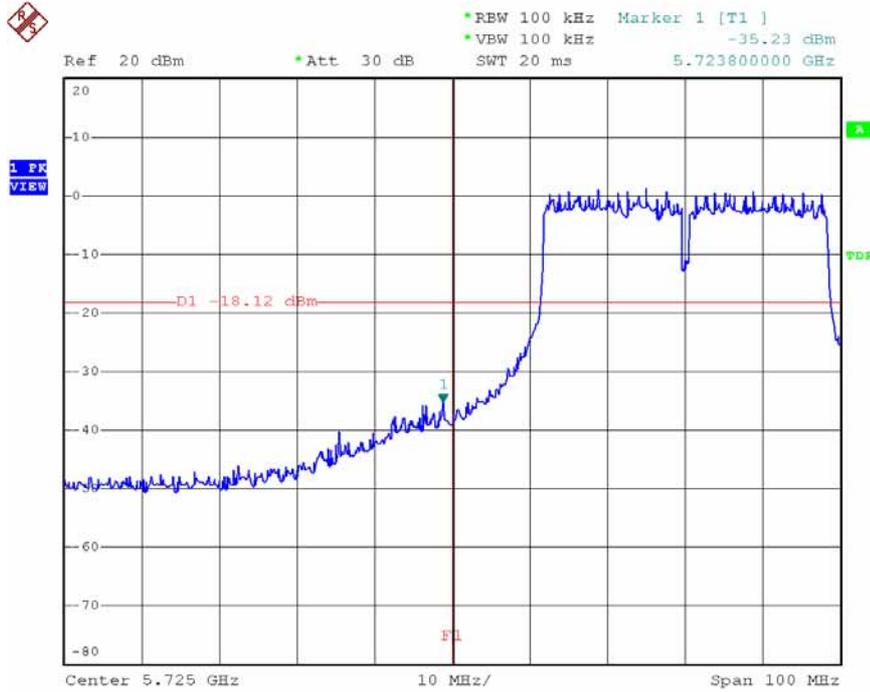


Date: 11.DEC.2007 09:48:37

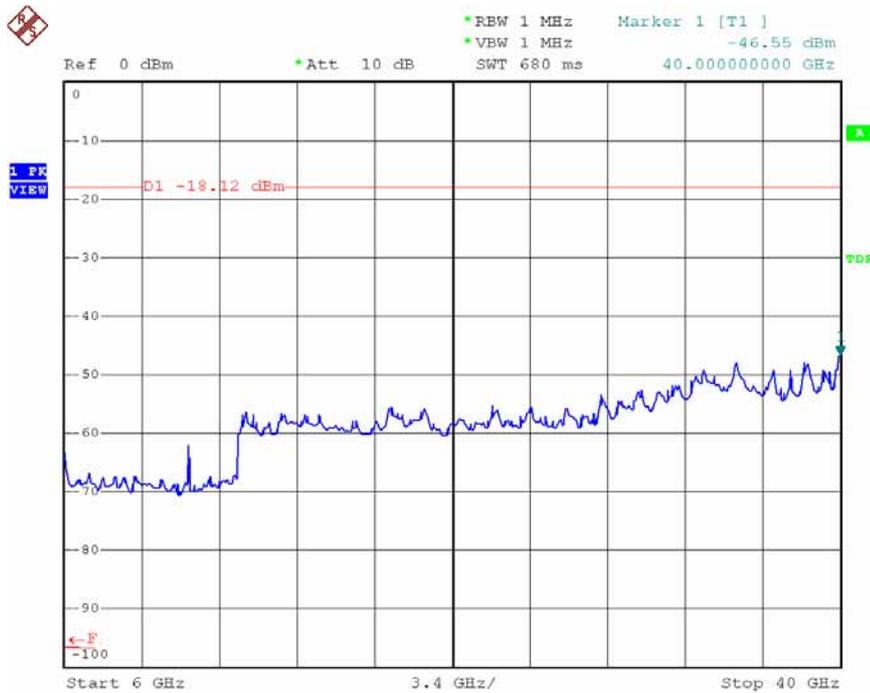


Date: 11.DEC.2007 09:53:39

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) – ANT-L1+ANT-L3 (ANT-L1)
 Channel: 151

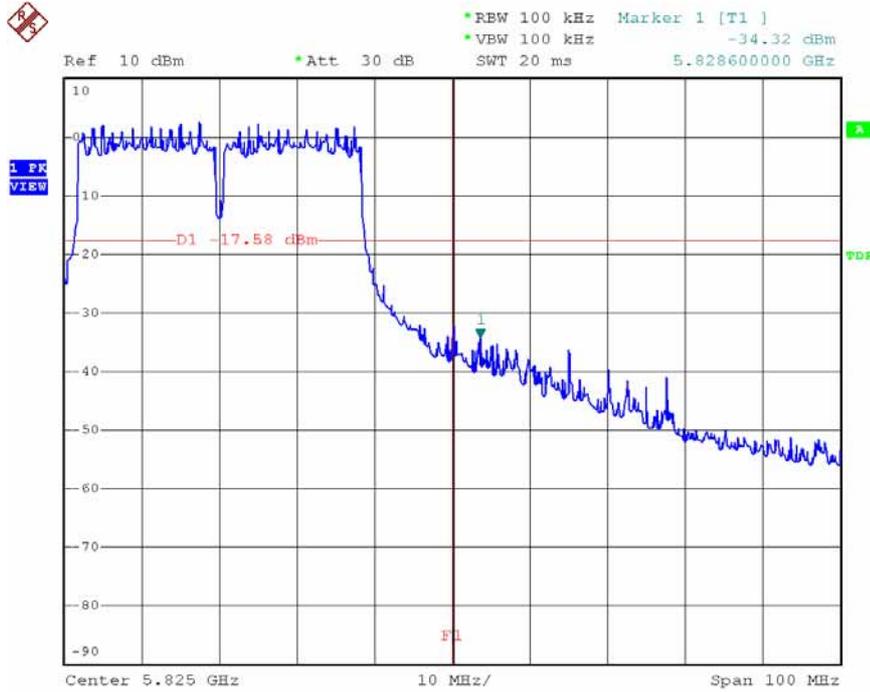


Date: 25.DEC.2007 21:00:58

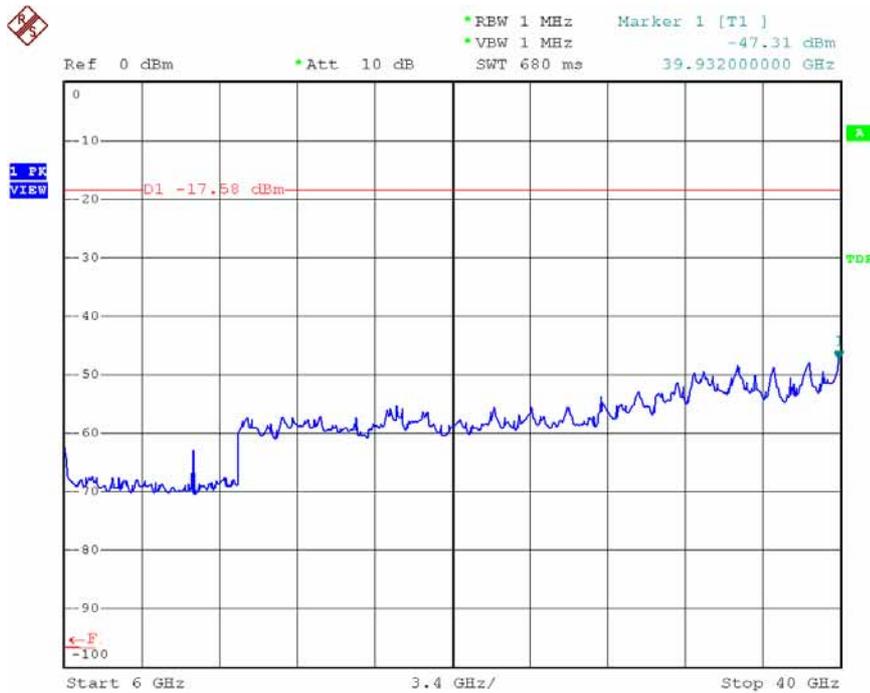


Date: 11.DEC.2007 15:29:44

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) – ANT-L1+ANT-L3 (ANT-L1)
 Channel: 159

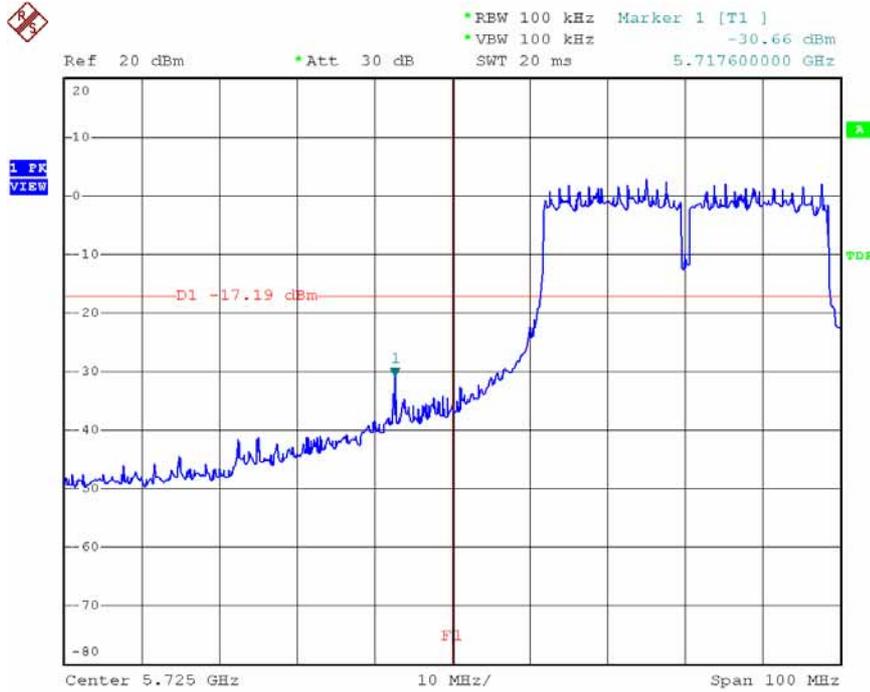


Date: 25.DEC.2007 20:21:37

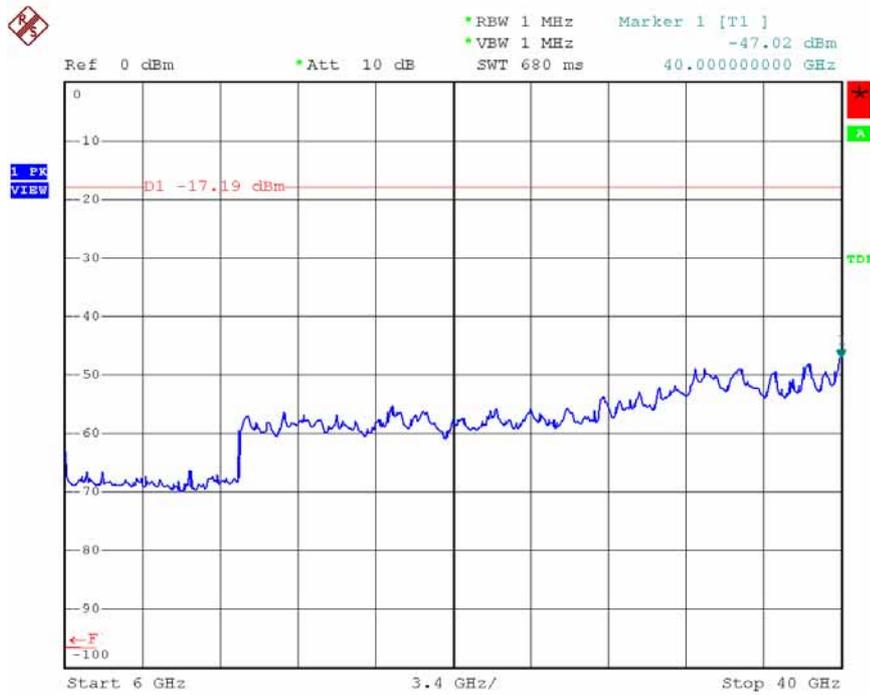


Date: 11.DEC.2007 15:38:44

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) – ANT-L1+ANT-L3 (ANT-L3)
 Channel: 151

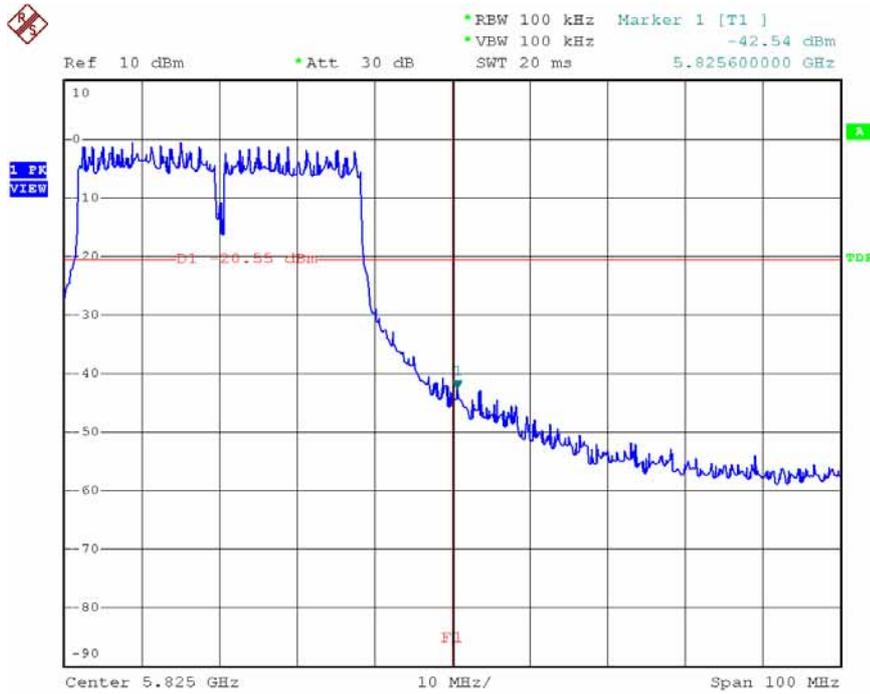


Date: 25.DEC.2007 20:25:40

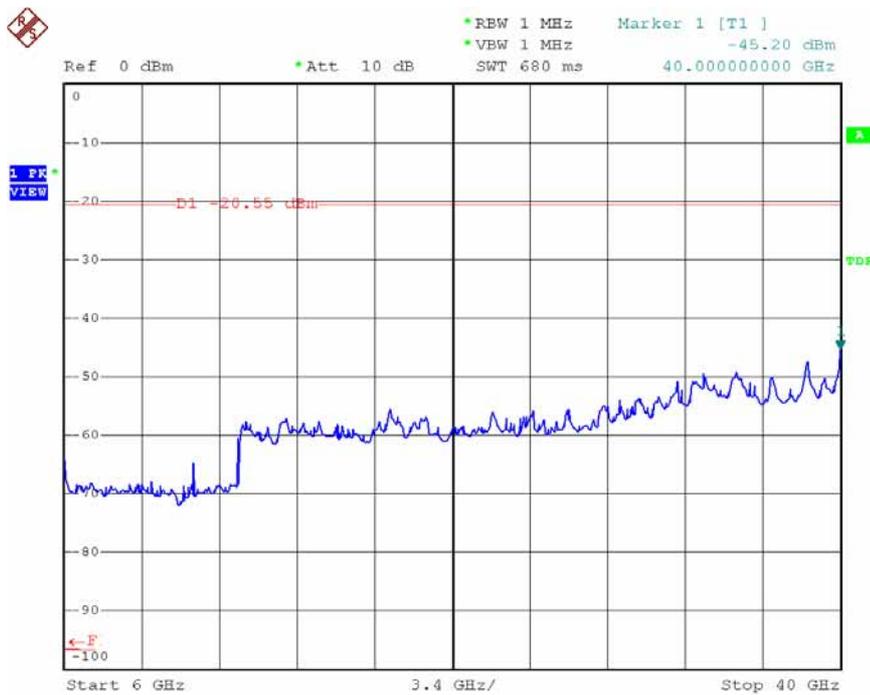


Date: 11.DEC.2007 15:27:09

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) – ANT-L1+ANT-L3 (ANT-L3)
 Channel: 159

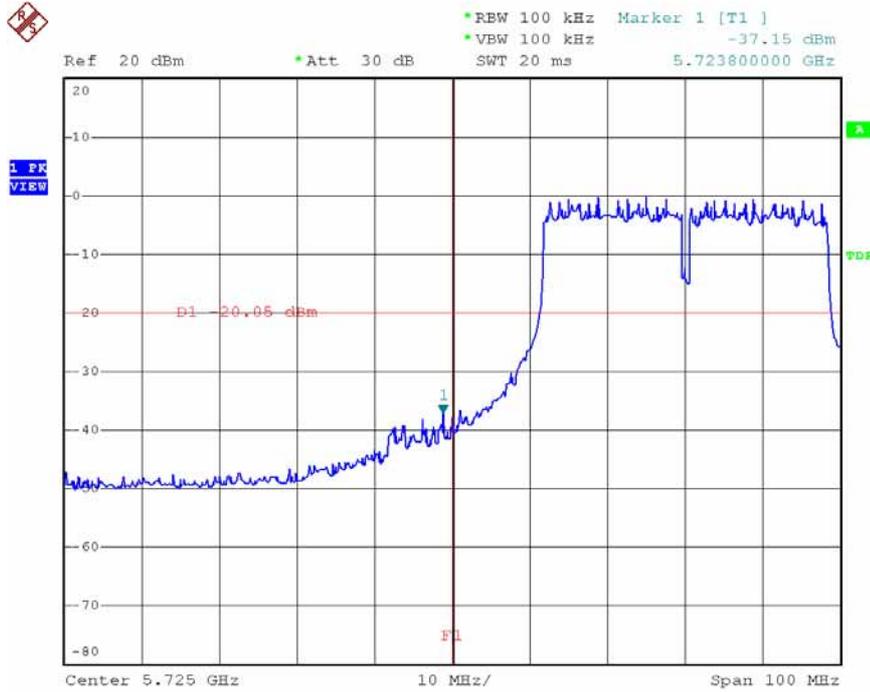


Date: 25.DEC.2007 20:19:52

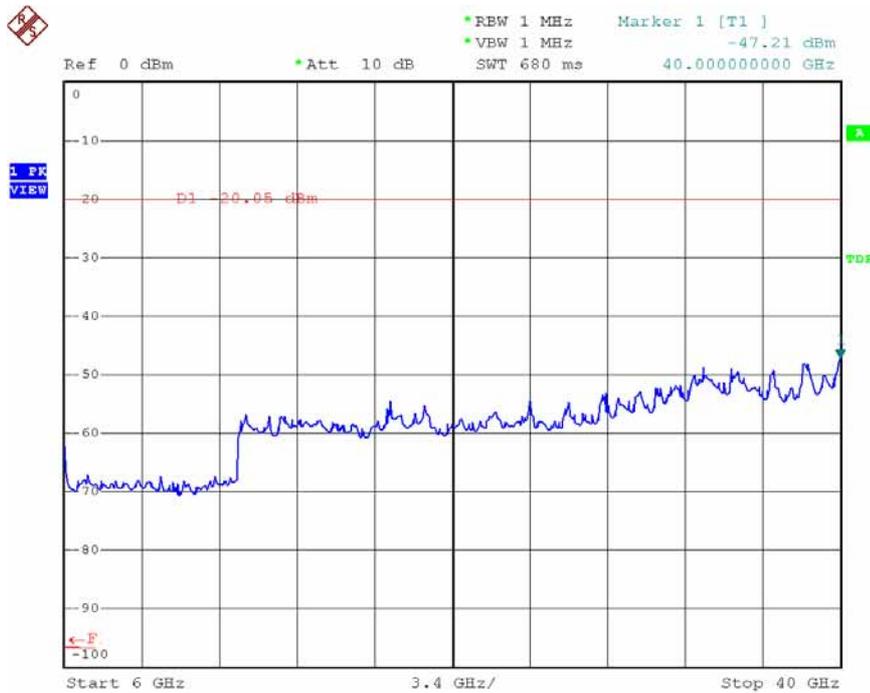


Date: 11.DEC.2007 15:40:57

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) – ANT-L1+ANT-R3 (ANT-L1)
 Channel: 151

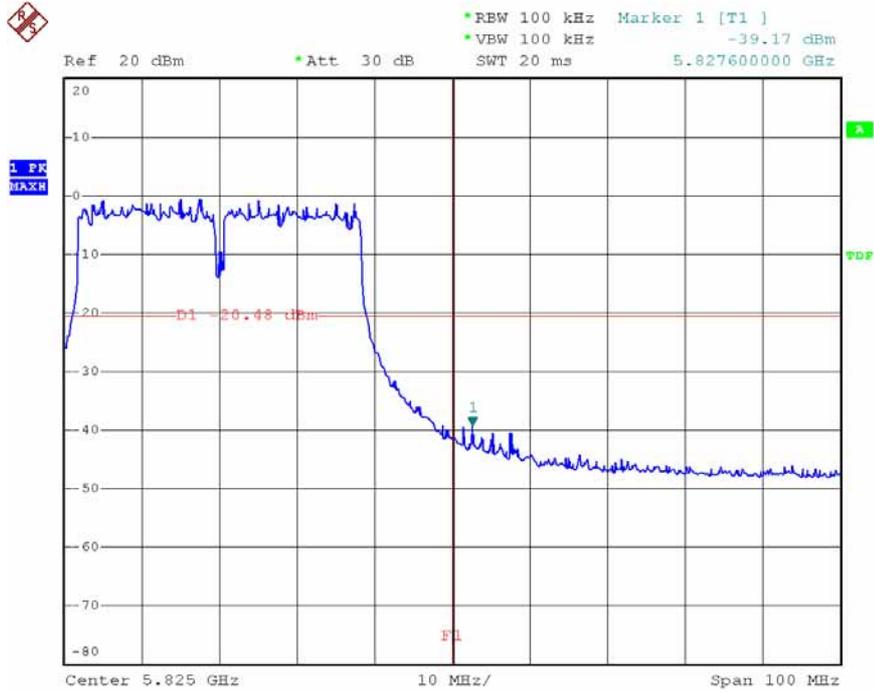


Date: 25.DEC.2007 21:02:10

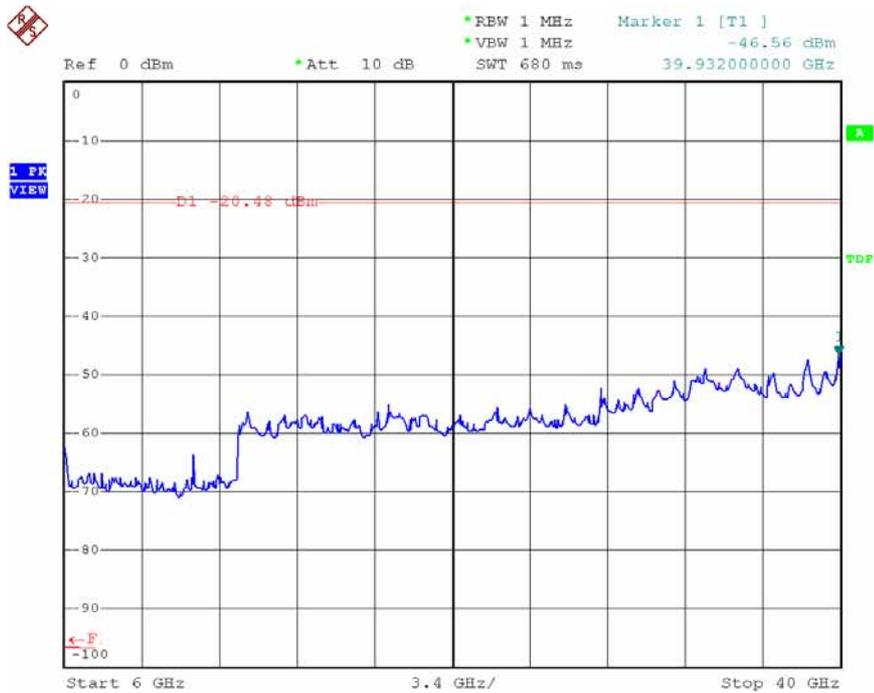


Date: 11.DEC.2007 18:48:03

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) – ANT-L1+ANT-R3 (ANT-L1)
 Channel: 159

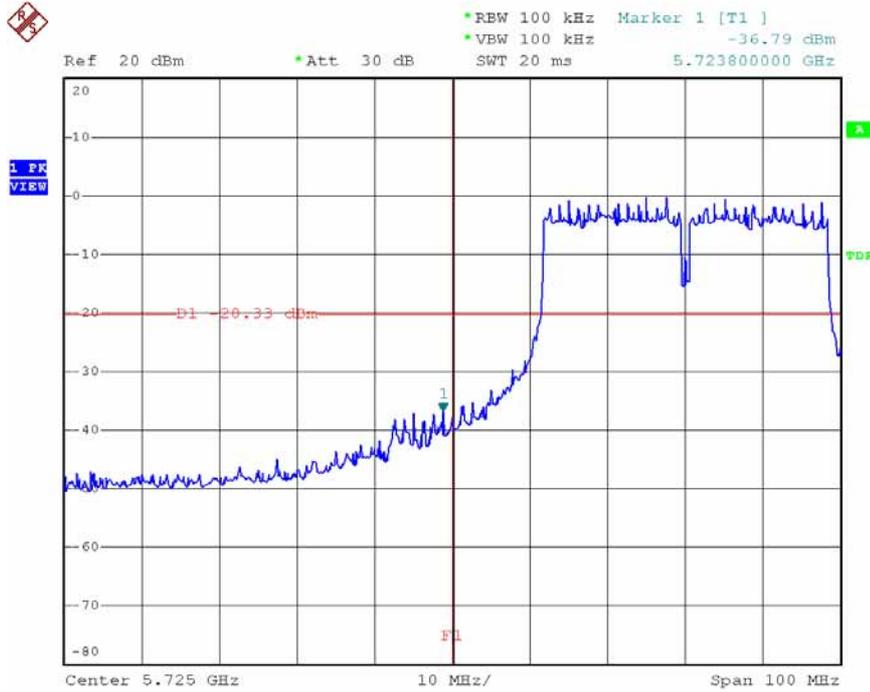


Date: 25.DEC.2007 21:12:29

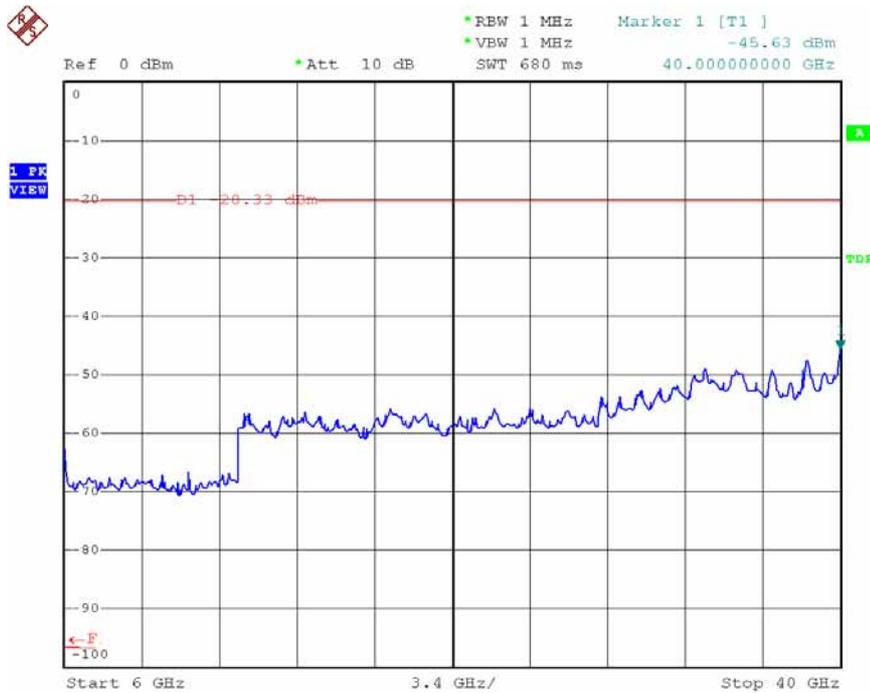


Date: 11.DEC.2007 18:52:53

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) – ANT-L1+ANT-R3 (ANT-R3)
 Channel: 151

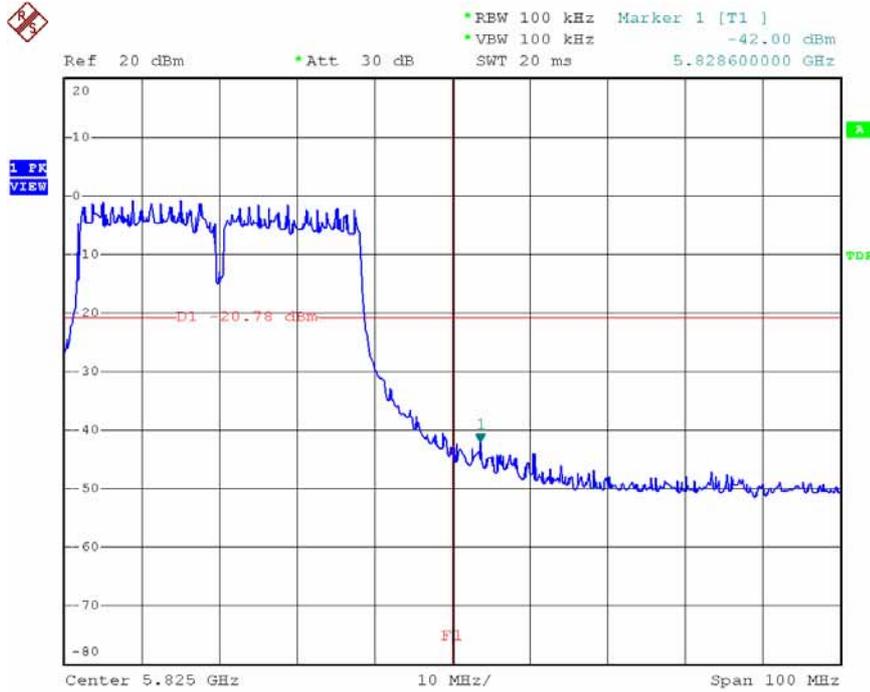


Date: 25.DEC.2007 21:04:17

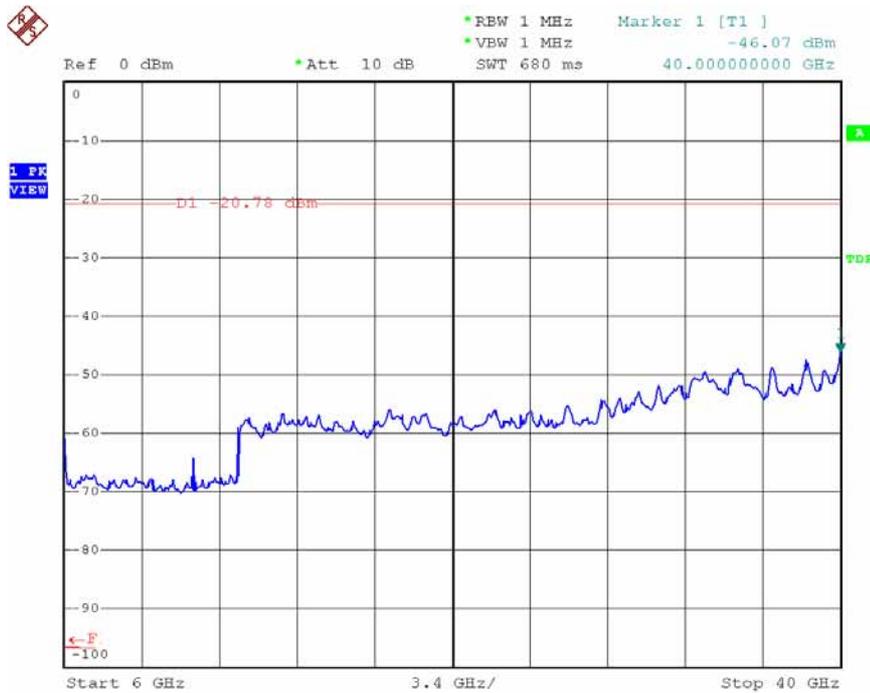


Date: 11.DEC.2007 18:45:46

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) – ANT-L1+ANT-R3 (ANT-R3)
 Channel: 159

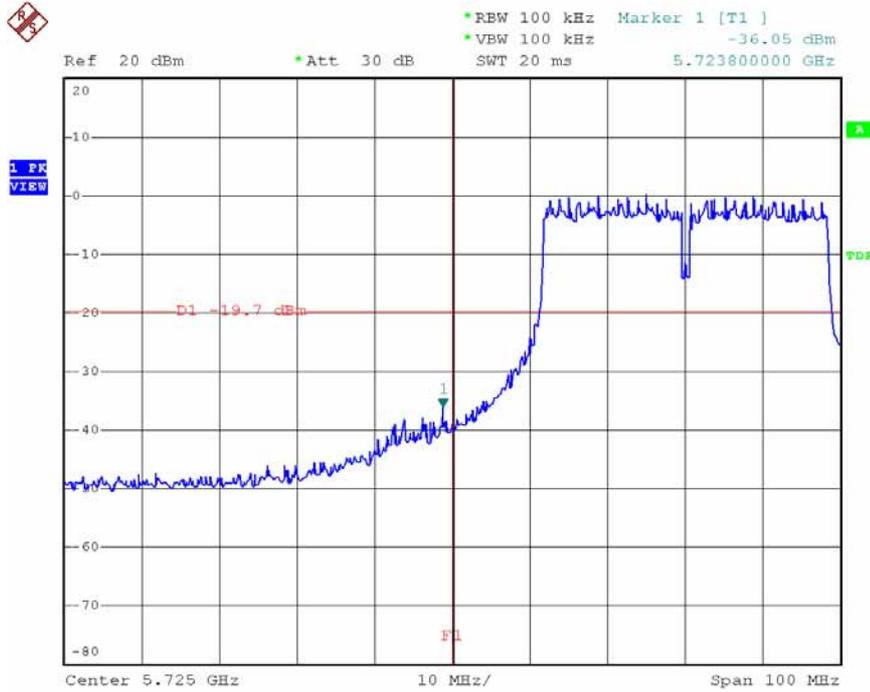


Date: 25.DEC.2007 21:14:54

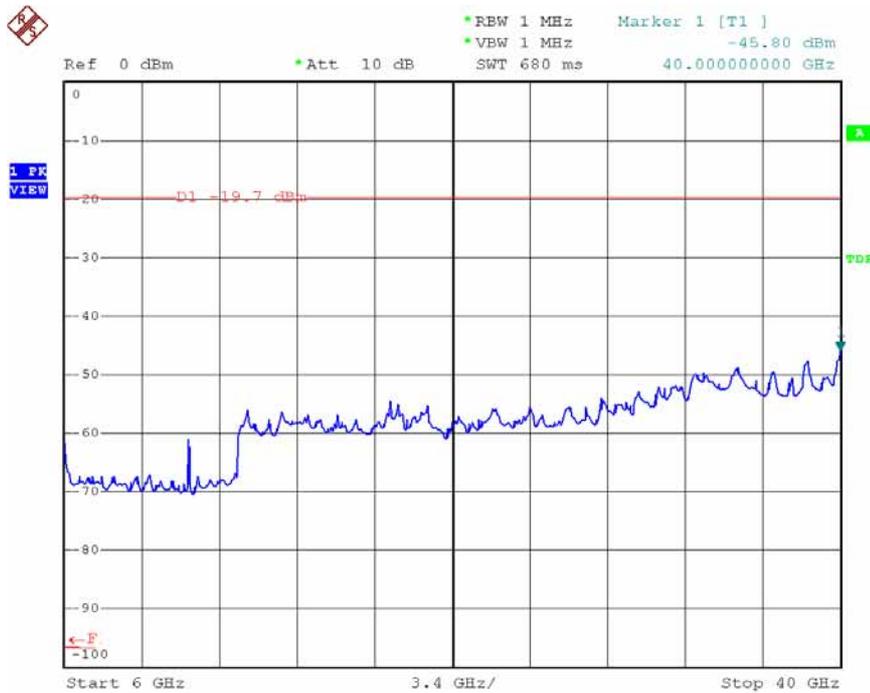


Date: 11.DEC.2007 18:50:53

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) – ANT-R1+ANT-L3 (ANT-R1)
 Channel: 151

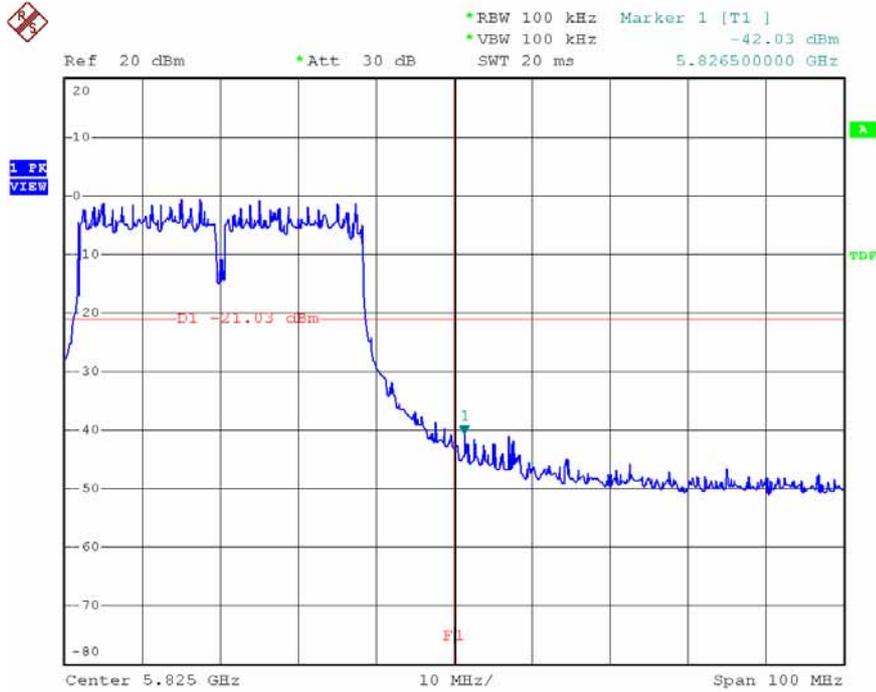


Date: 25.DEC.2007 21:02:41

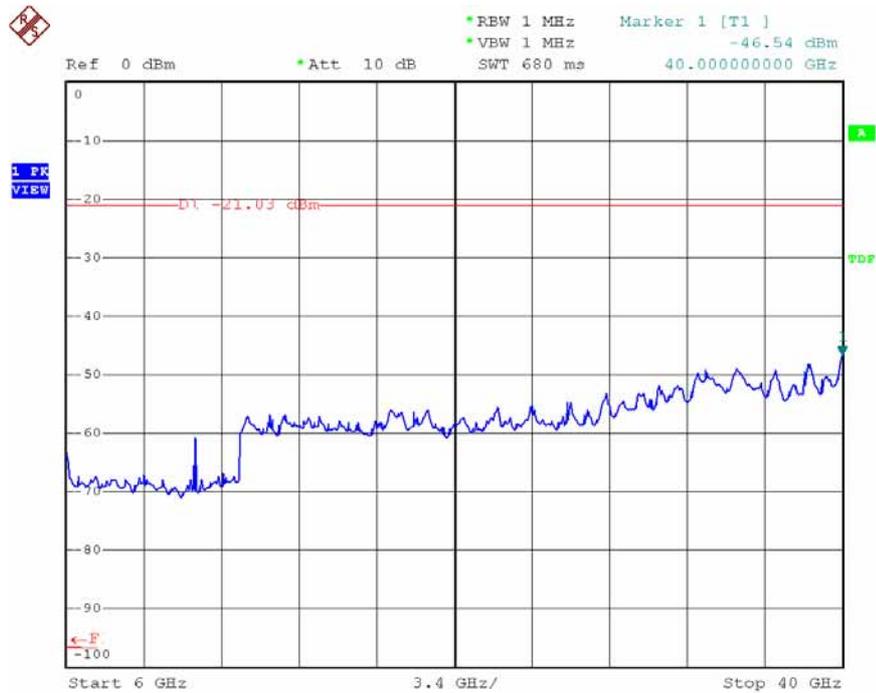


Date: 11.DEC.2007 23:35:01

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) – ANT-R1+ANT-L3 (ANT-R1)
 Channel: 159

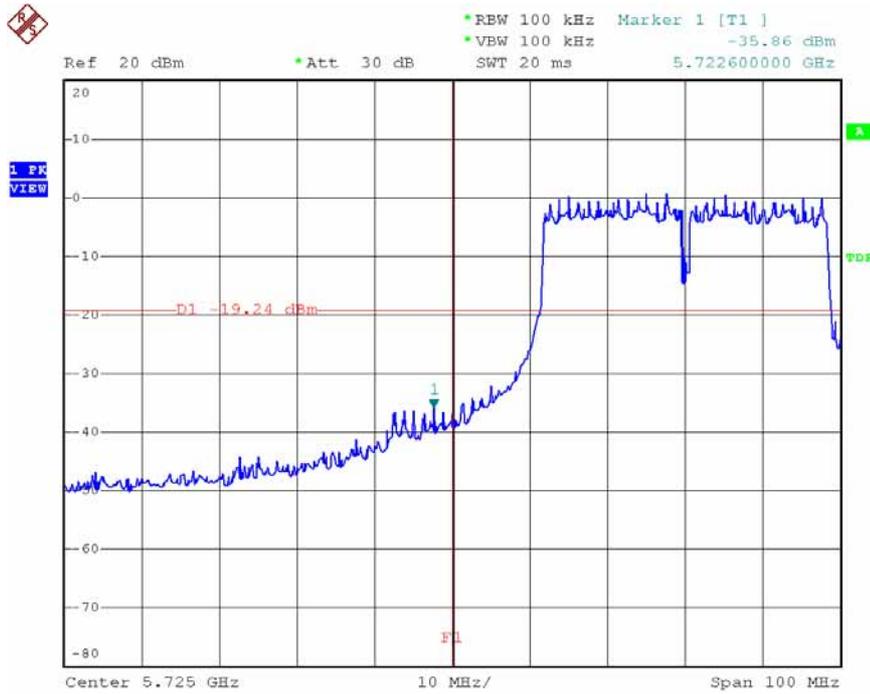


Date: 25.DEC.2007 21:13:23

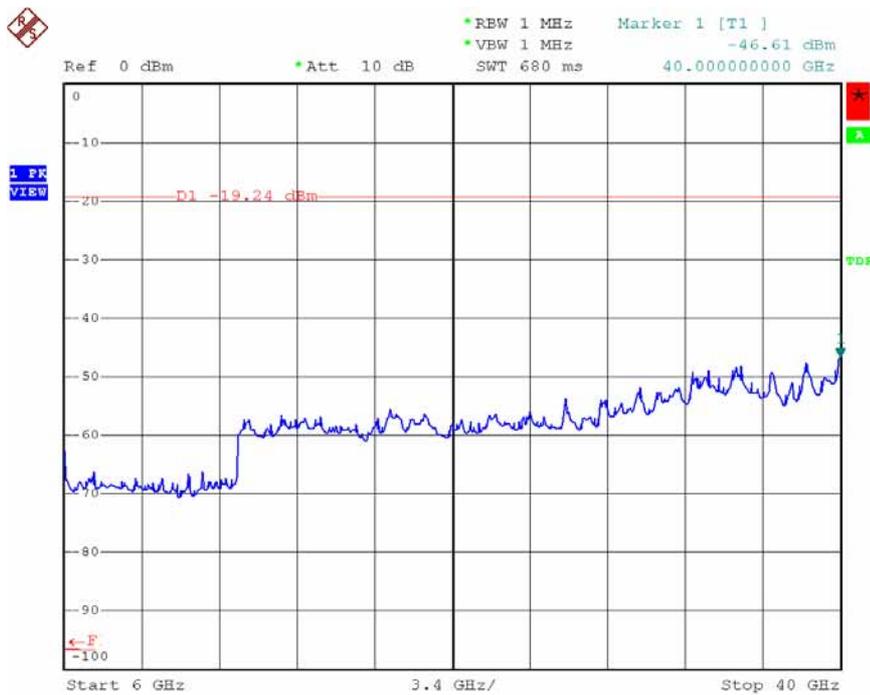


Date: 11.DEC.2007 23:27:19

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) – ANT-R1+ANT-L3 (ANT-L3)
 Channel: 151

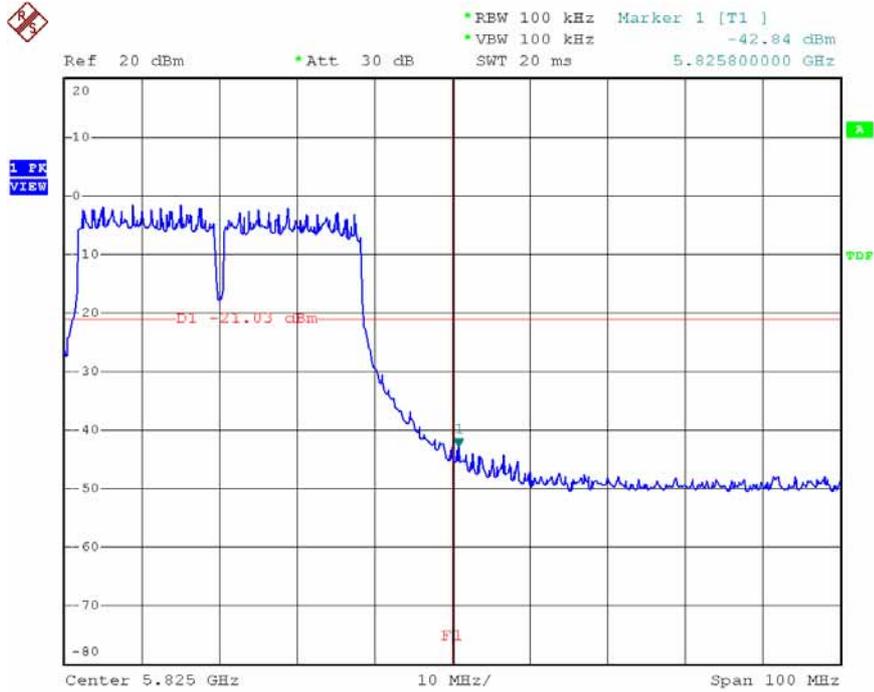


Date: 25.DEC.2007 21:03:40

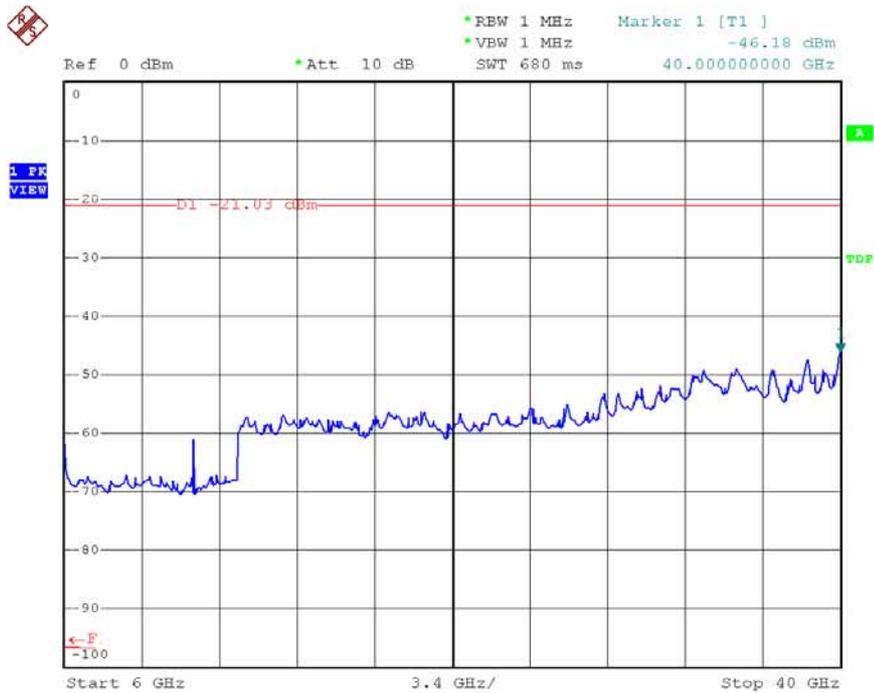


Date: 11.DEC.2007 23:32:20

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) – ANT-R1+ANT-L3 (ANT-L3)
 Channel: 159

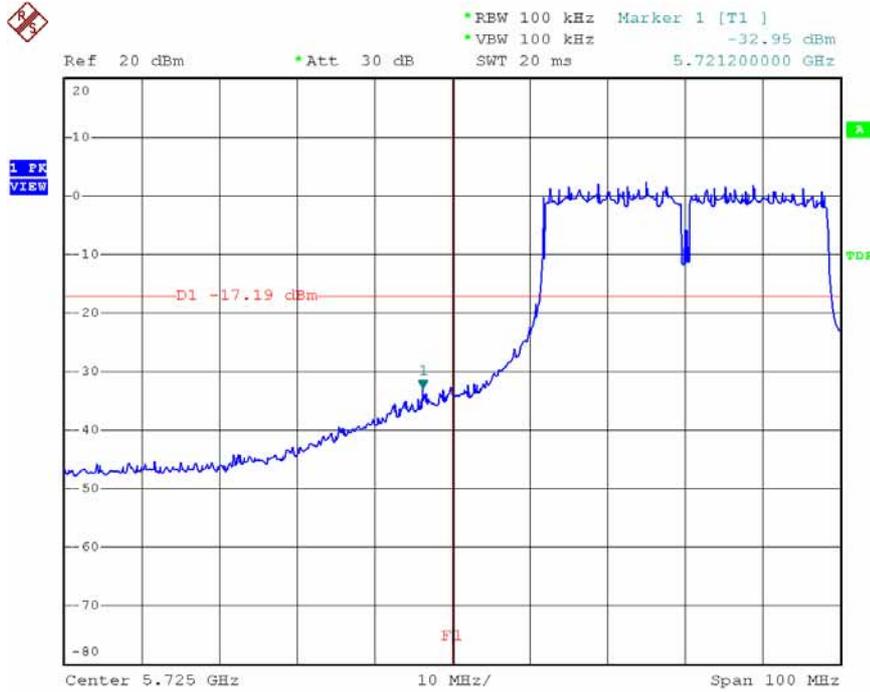


Date: 25.DEC.2007 21:14:08

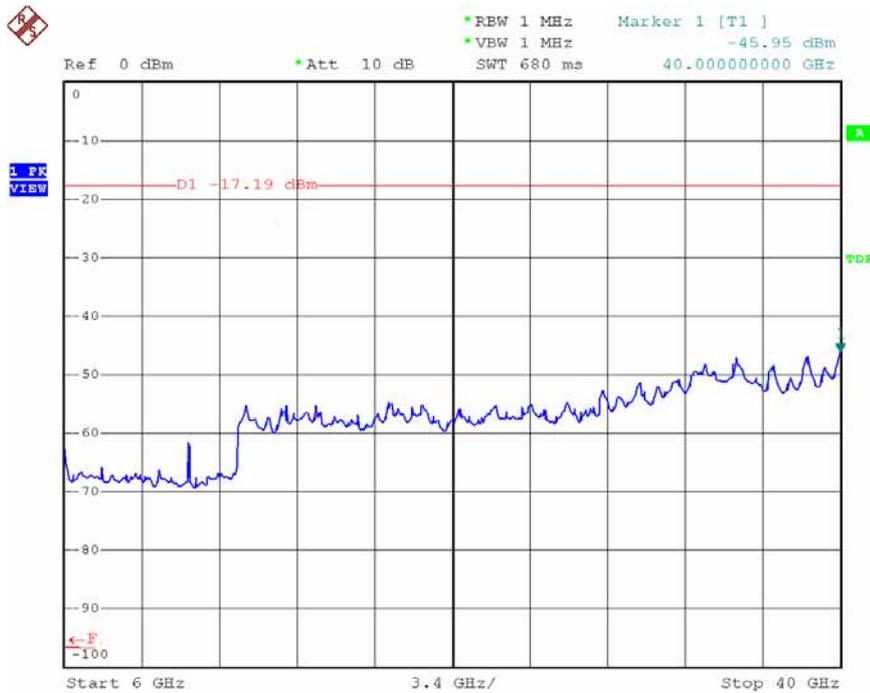


Date: 11.DEC.2007 23:29:21

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) – ANT-R1+ANT-R3 (ANT-R1)
 Channel: 151

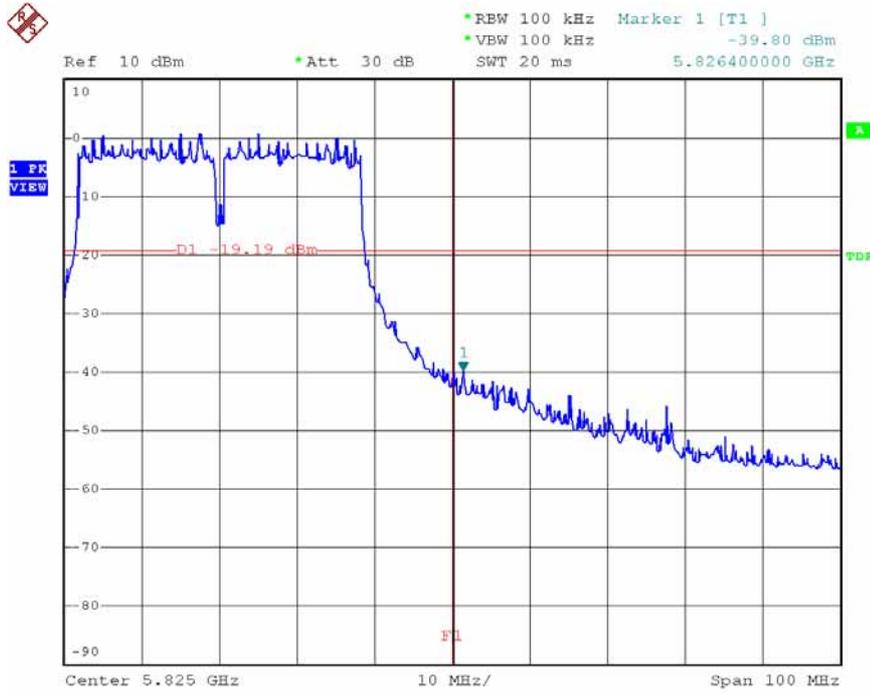


Date: 25.DEC.2007 20:44:38

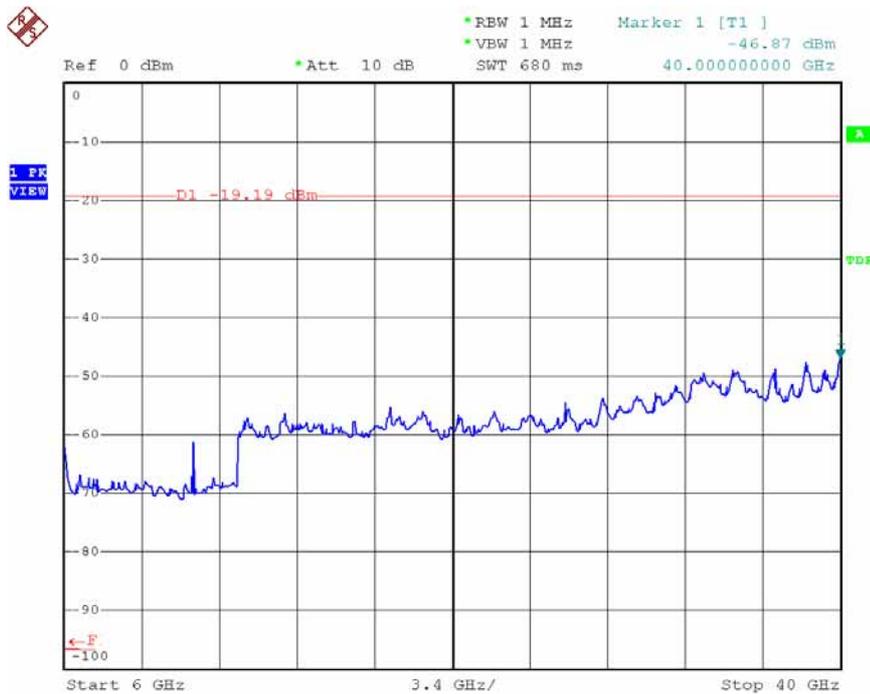


Date: 11.DEC.2007 20:36:57

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) – ANT-R1+ANT-R3 (ANT-R1)
 Channel: 159

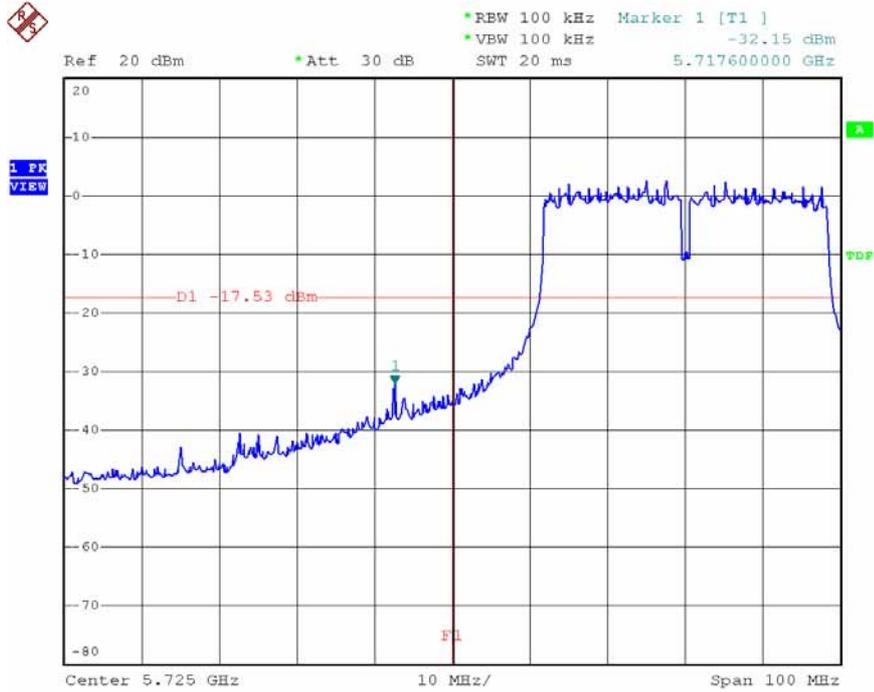


Date: 25.DEC.2007 20:20:44

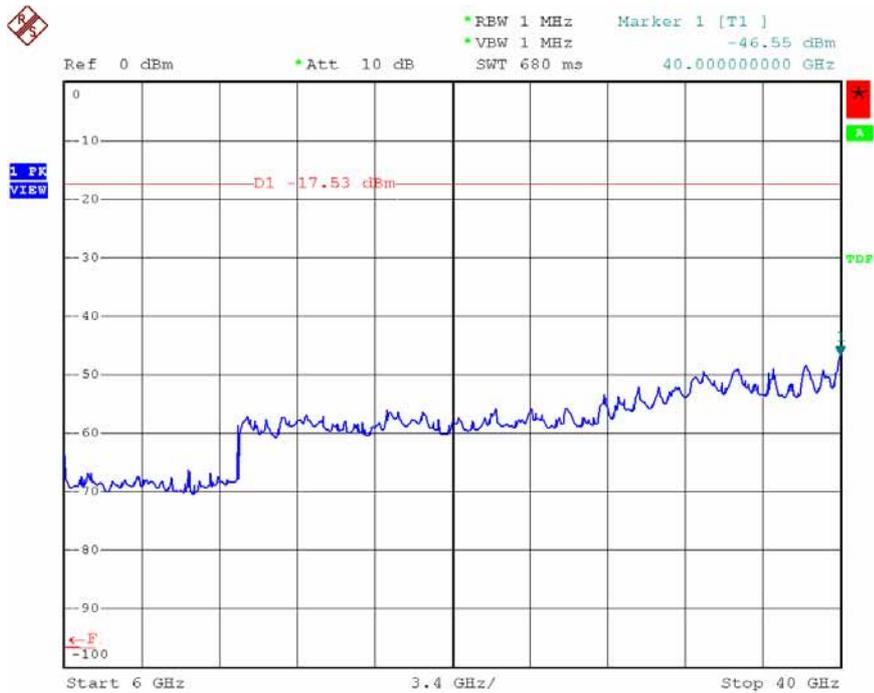


Date: 11.DEC.2007 20:43:33

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) – ANT-R1+ANT-R3 (ANT-R3)
 Channel: 151

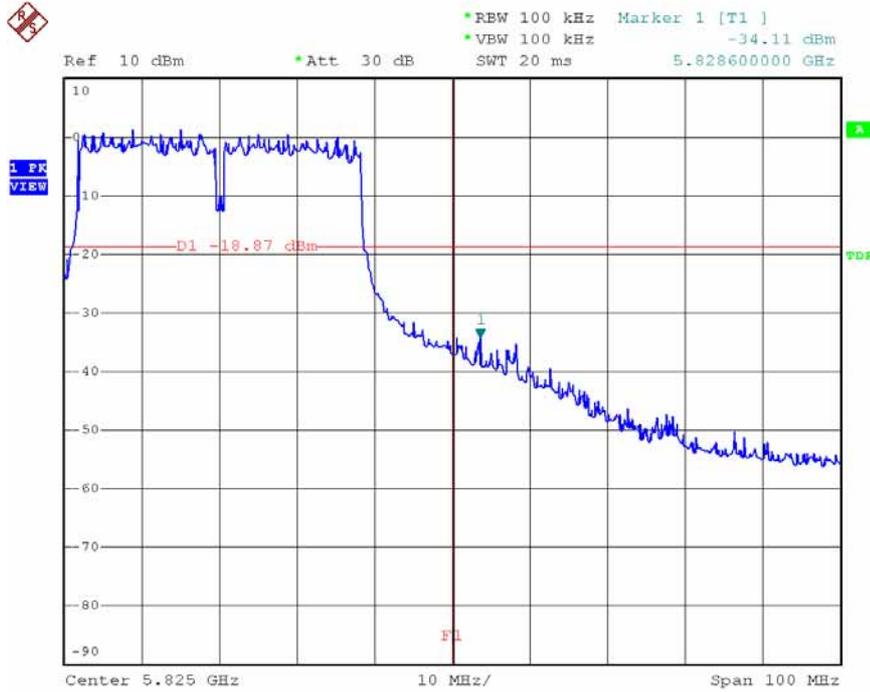


Date: 25.DEC.2007 20:25:11

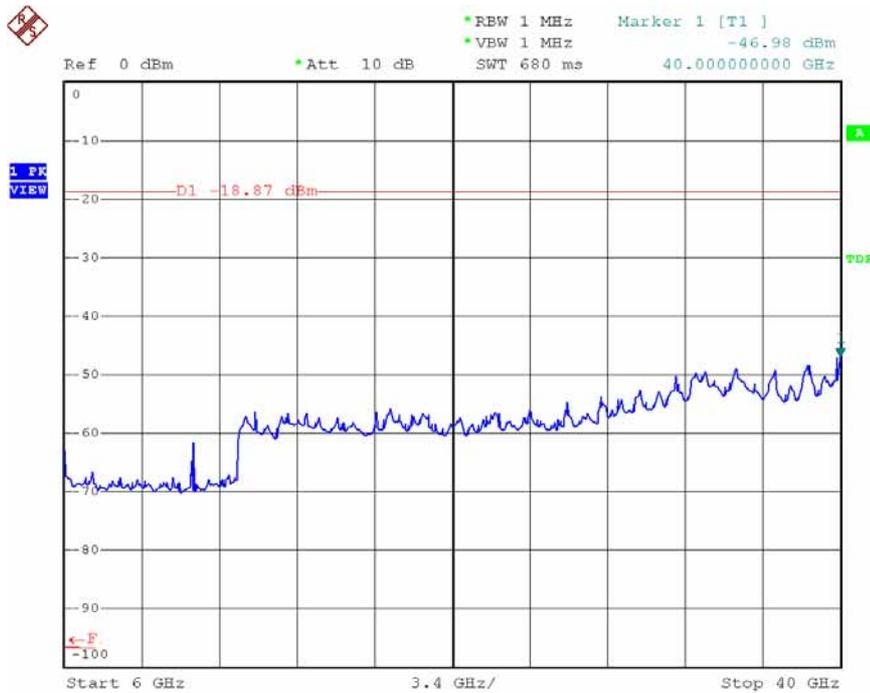


Date: 11.DEC.2007 20:38:50

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) – ANT-R1+ANT-R3 (ANT-R3)
 Channel: 159



Date: 25.DEC.2007 20:18:59



Date: 11.DEC.2007 20:41:37

9. Power Spectral Density

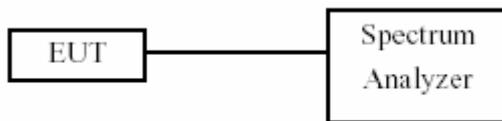
9.1 Test Limit

The Maximum of Power Spectral Density Measurement is 8dBm.

9.2 Test Procedures

- The transmitter output was connected to spectrum analyzer.
- 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.
- The power spectral density was measured and recorded.
- The Sweep time is allowed to be longer than span/3KHz for a full response of the mixer in the spectrum analyzer.

9.3 Test Setup Layout :



9.4 Measurement equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	FSP40	R&S	10047	2007/01/23	2008/01/22

9.5 Test Result and Data

- (1) Modulation Standard: IEEE 802.11a (6Mbps), ANT-L1

Test Date: Dec. 10, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency	Maximum Power Density of 3 kHz Bandwidth (dBm)
149	5745	-10.81
157	5785	-11.11
165	5825	-11.49

- (2) Modulation Standard: IEEE 802.11a (6Mbps), ANT-L3

Test Date: Dec. 10, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency	Maximum Power Density of 3 kHz Bandwidth (dBm)
149	5745	-9.95
157	5785	-10.31
165	5825	-10.45

- (3) Modulation Standard: IEEE 802.11a (6Mbps), ANT-R1

Test Date: Dec. 10, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency	Maximum Power Density of 3 kHz Bandwidth (dBm)
149	5745	-11.36
157	5785	-11.45
165	5825	-10.84

- (4) Modulation Standard: IEEE 802.11a (6Mbps), ANT-R3

Test Date: Dec. 10, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency	Maximum Power Density of 3 kHz Bandwidth (dBm)
149	5745	-10.19
157	5785	-9.59
165	5825	-9.94

(5) Modulation Standard: IEEE 802.11Draft n, 20MHz (130Mbps), ANT-L1+ANT-L3

Test Date: Dec. 10, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency	Maximum Power Density of 3 kHz Bandwidth ANT-L1 (dBm)	Maximum Power Density of 3 kHz Bandwidth ANT-L3 (dBm)	Maximum Power Density of 3 kHz Bandwidth Total (dBm)
149	5745	-14.89	-16.40	-12.57
157	5785	-15.46	-17.23	-13.25
165	5825	-15.49	-18.04	-13.57

(6) Modulation Standard: IEEE 802.11Draft n, 20MHz (130Mbps), ANT-L1+ANT-R3

Test Date: Dec. 10, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency	Maximum Power Density of 3 kHz Bandwidth ANT-L1 (dBm)	Maximum Power Density of 3 kHz Bandwidth ANT-R3 (dBm)	Maximum Power Density of 3 kHz Bandwidth Total (dBm)
149	5745	-15.22	-17.13	-13.06
157	5785	-16.01	-16.90	-13.42
165	5825	-14.79	-16.23	-12.44

(7) Modulation Standard: IEEE 802.11Draft n, 20MHz (130Mbps), ANT-R1+ANT-L3

Test Date: Dec. 10, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency	Maximum Power Density of 3 kHz Bandwidth ANT-R1 (dBm)	Maximum Power Density of 3 kHz Bandwidth ANT-L3 (dBm)	Maximum Power Density of 3 kHz Bandwidth Total (dBm)
149	5745	-15.73	-16.34	-13.01
157	5785	-15.91	-17.29	-13.54
165	5825	-16.09	-17.30	-13.64

(8) Modulation Standard: IEEE 802.11Draft n, 20MHz (130Mbps), ANT-R1+ANT-R3

Test Date: Dec. 10, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency	Maximum Power Density of 3 kHz Bandwidth ANT-R1 (dBm)	Maximum Power Density of 3 kHz Bandwidth ANT-R3 (dBm)	Maximum Power Density of 3 kHz Bandwidth Total (dBm)
149	5745	-15.04	-15.36	-12.19
157	5785	-15.47	-15.90	-12.67
165	5825	-17.30	-16.56	-13.90

(9) Modulation Standard: IEEE 802.11Draft n, 40MHz (270Mbps), ANT-L1+ANT-L3

Test Date: Dec. 10, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency	Maximum Power Density of 3 kHz Bandwidth ANT-L1 (dBm)	Maximum Power Density of 3 kHz Bandwidth ANT-L3 (dBm)	Maximum Power Density of 3 kHz Bandwidth Total (dBm)
151	5755	-21.62	-20.96	-18.27
155	5775	-14.67	-17.36	-12.80
159	5795	-21.79	-22.28	-19.02

(10) Modulation Standard: IEEE 802.11Draft n, 40MHz (270Mbps), ANT-L1+ANT-R3

Test Date: Dec. 10, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency	Maximum Power Density of 3 kHz Bandwidth ANT-L1 (dBm)	Maximum Power Density of 3 kHz Bandwidth ANT-R3 (dBm)	Maximum Power Density of 3 kHz Bandwidth Total (dBm)
151	5755	-17.69	-21.93	-16.30
155	5775	-21.16	-17.97	-16.28
159	5795	-19.94	-22.44	-18.00

(11) Modulation Standard: IEEE 802.11Draft n, 40MHz (270Mbps), ANT-R1+ANT-L3

Test Date: Dec. 10, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

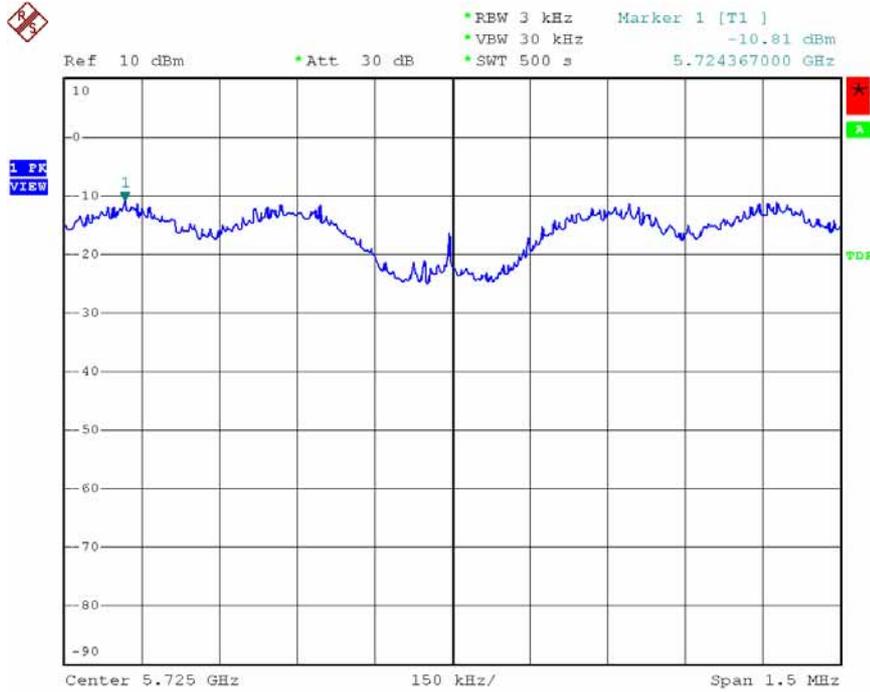
Channel	Frequency	Maximum Power Density of 3 kHz Bandwidth ANT-R1 (dBm)	Maximum Power Density of 3 kHz Bandwidth ANT-L3 (dBm)	Maximum Power Density of 3 kHz Bandwidth Total (dBm)
151	5755	-22.25	-21.56	-18.88
155	5775	-16.84	-22.55	-15.81
159	5795	-20.37	-21.78	-18.01

(12) Modulation Standard: IEEE 802.11Draft n, 40MHz (270Mbps), ANT-R1+ANT-R3

Test Date: Dec. 10, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

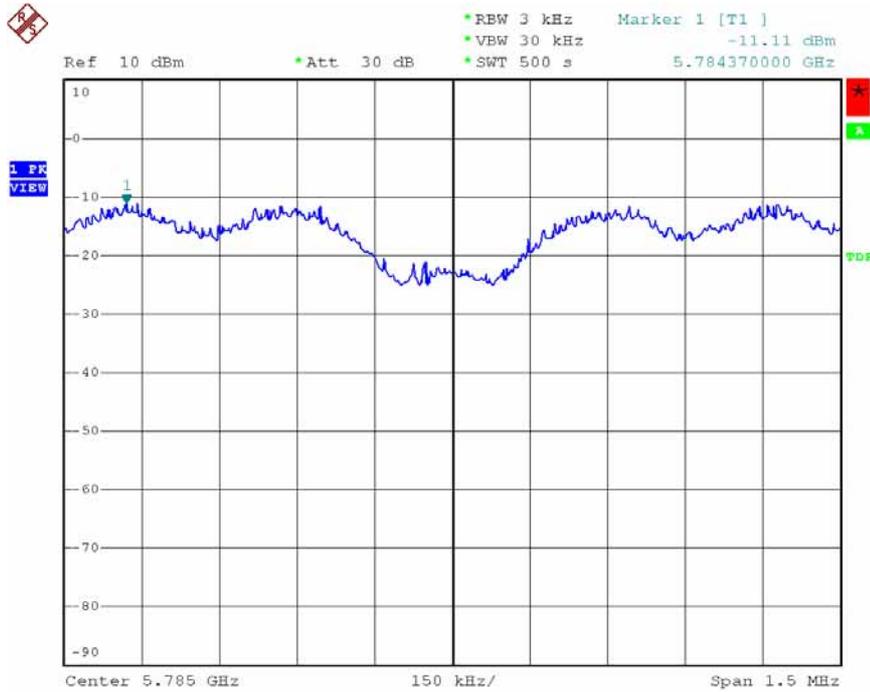
Channel	Frequency	Maximum Power Density of 3 kHz Bandwidth ANT-R1 (dBm)	Maximum Power Density of 3 kHz Bandwidth ANT-R3 (dBm)	Maximum Power Density of 3 kHz Bandwidth Total (dBm)
151	5755	-18.02	-19.72	-15.78
155	5775	-17.92	-21.46	-16.33
159	5795	-21.99	-21.66	-18.81

Modulation Standard: 802.11a (6Mbps) – ANT-L1
Channel: 149



Date: 10.DEC.2007 15:07:44

Modulation Standard: 802.11a (6Mbps) – ANT-L1
Channel: 157



Date: 10.DEC.2007 14:58:16