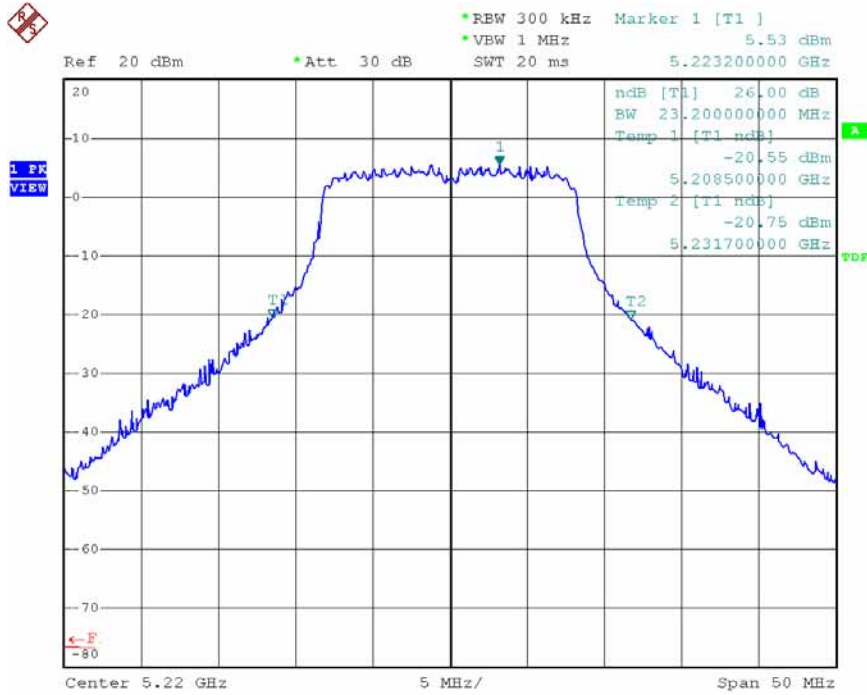
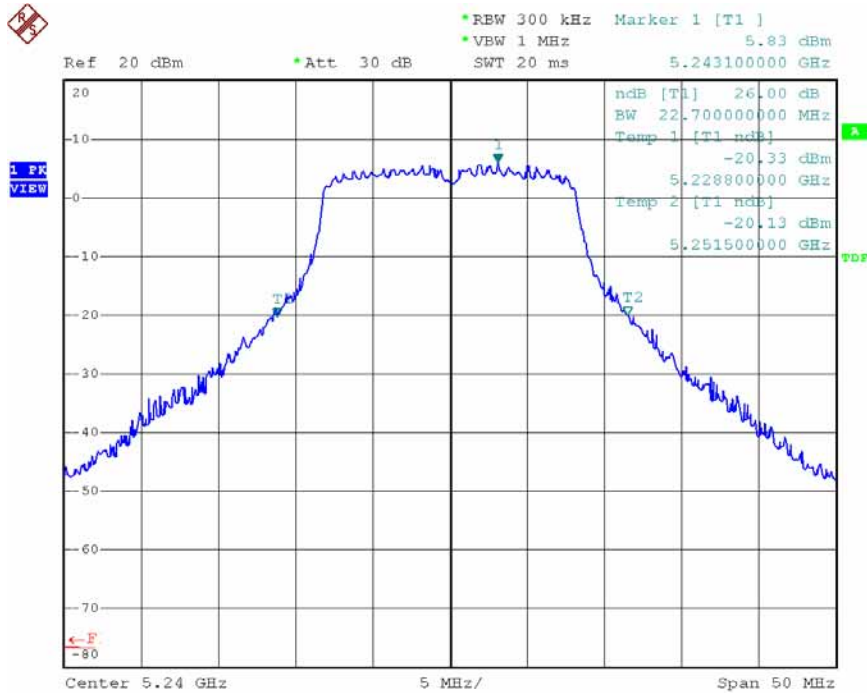


Modulation Standard: 802.11a (6Mbps) – ANT-L3
 Channel: 44



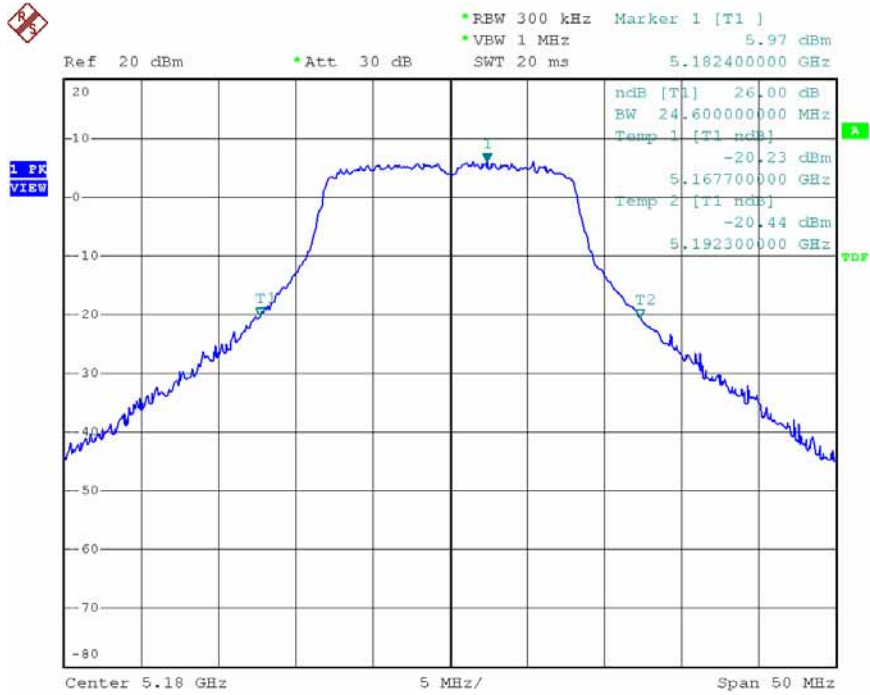
Date: 12.DEC.2007 14:08:20

Modulation Standard: 802.11a (6Mbps) – ANT-L3
 Channel: 48



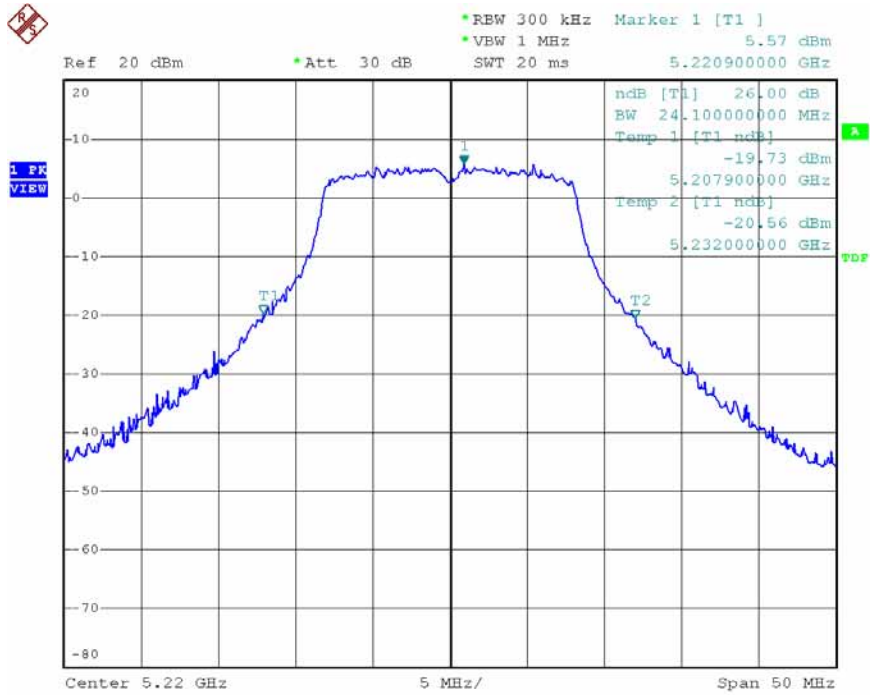
Date: 12.DEC.2007 14:11:50

Modulation Standard: 802.11a (6Mbps) - ANT-R1
 Channel: 36



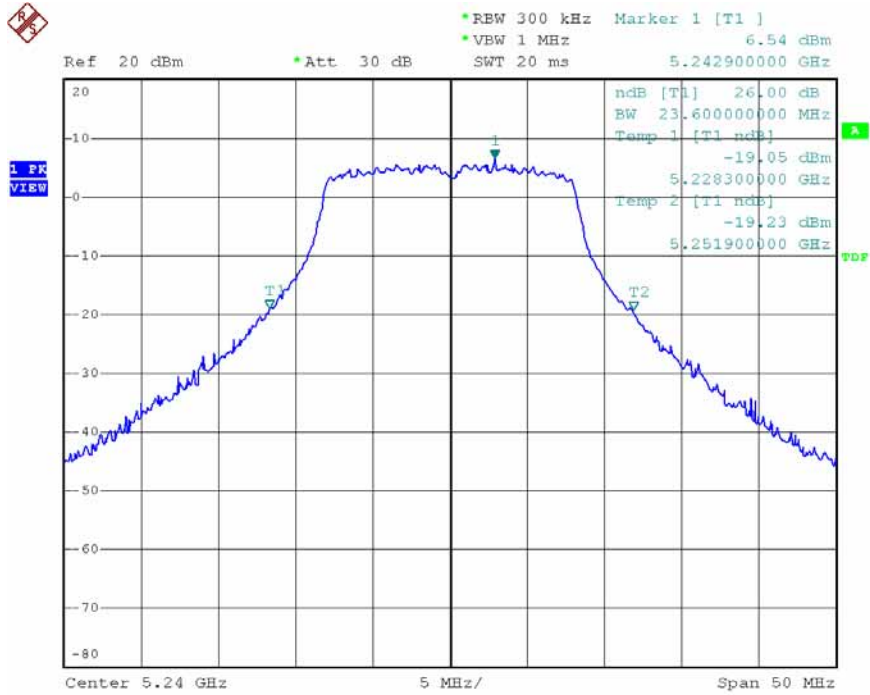
Date: 12.DEC.2007 14:40:18

Modulation Standard: 802.11a (6Mbps) – ANT-R1
 Channel: 44



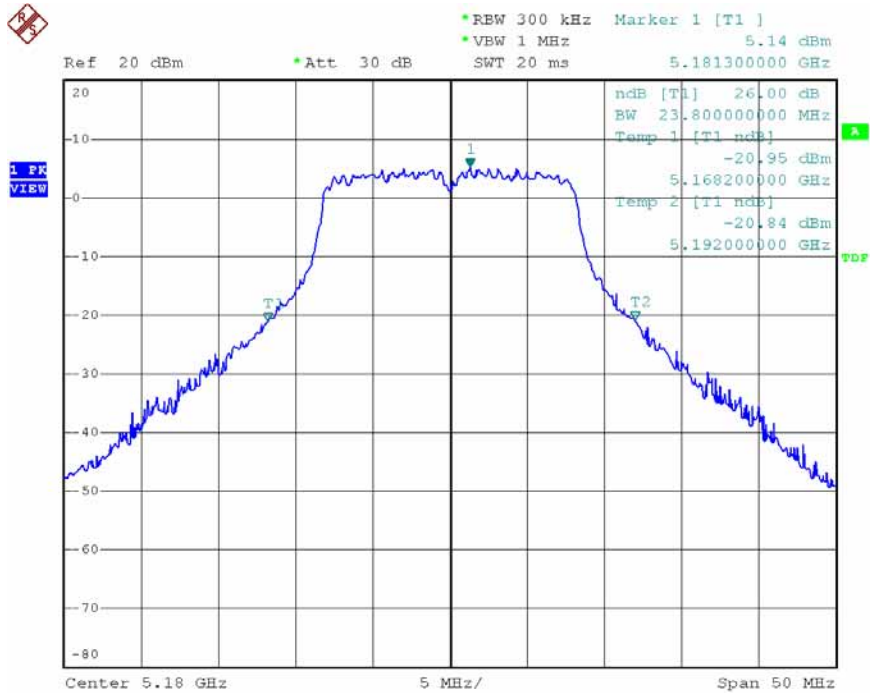
Date: 12.DEC.2007 14:45:58

Modulation Standard: 802.11a (6Mbps) – ANT-R1
 Channel: 48



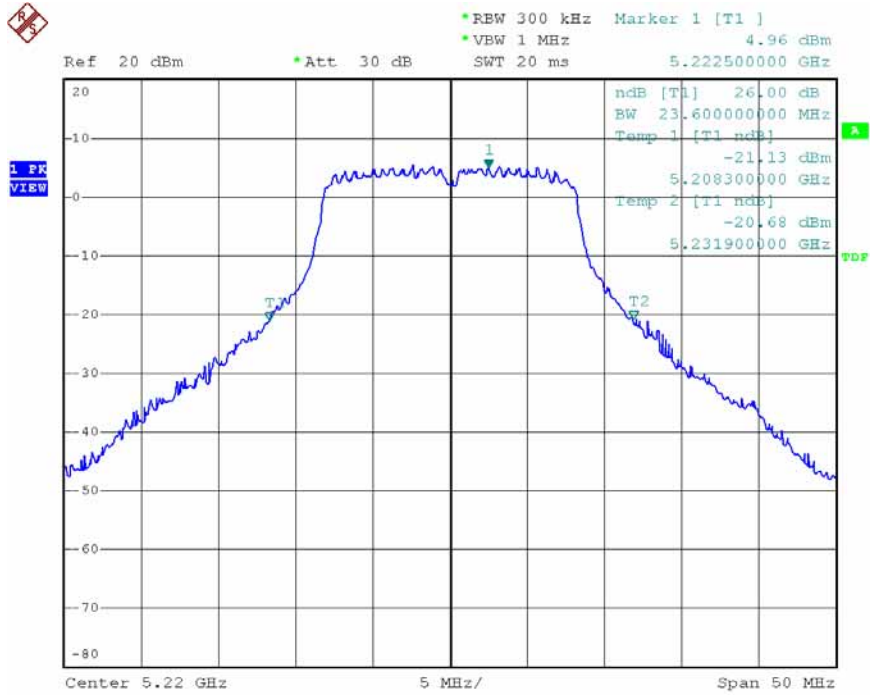
Date: 12.DEC.2007 14:47:22

Modulation Standard: 802.11a (6Mbps) – ANT-R3
 Channel: 36



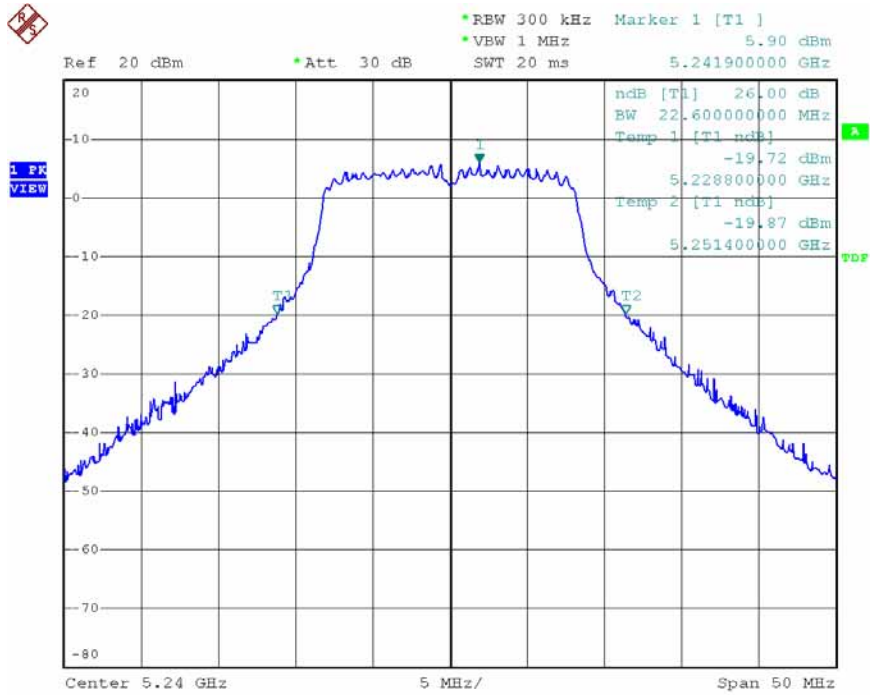
Date: 12.DEC.2007 14:58:47

Modulation Standard: 802.11a (6Mbps) – ANT-R3
 Channel: 44



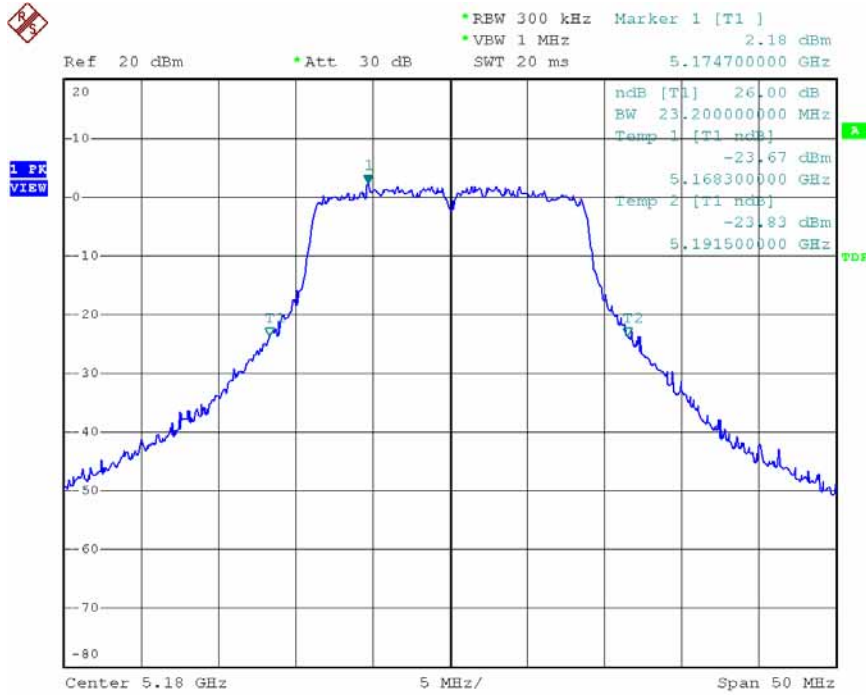
Date: 12.DEC.2007 15:02:07

Modulation Standard: 802.11a (6Mbps) – ANT-R3
 Channel: 48



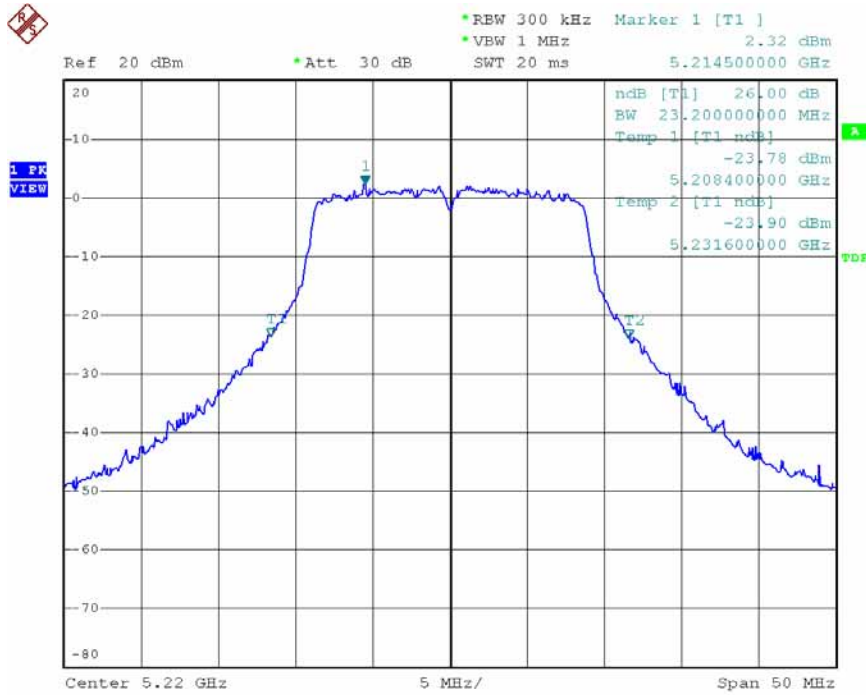
Date: 12.DEC.2007 15:06:33

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-L1 + ANT-L3 (ANT-L1)
 Channel: 36



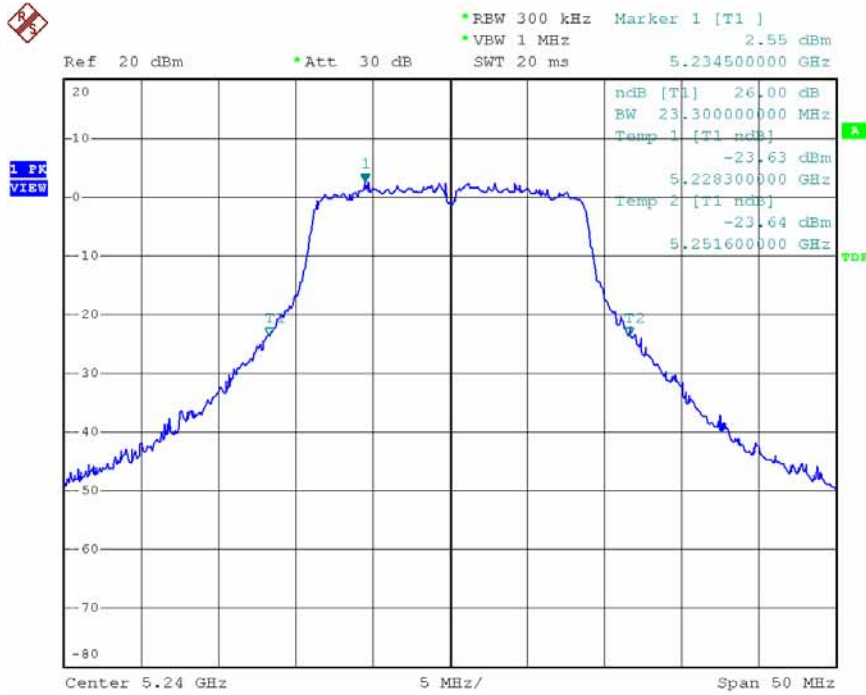
Date: 12.DEC.2007 17:16:46

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-L1 + ANT-L3 (ANT-L1)
 Channel: 44



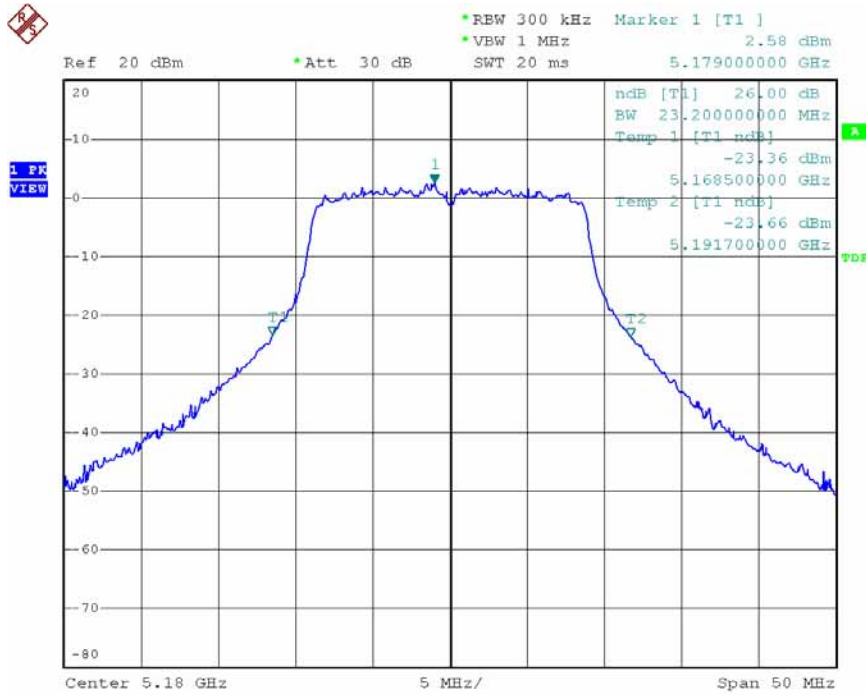
Date: 12.DEC.2007 17:25:51

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-L1 + ANT-L3 (ANT-L1)
 Channel: 48



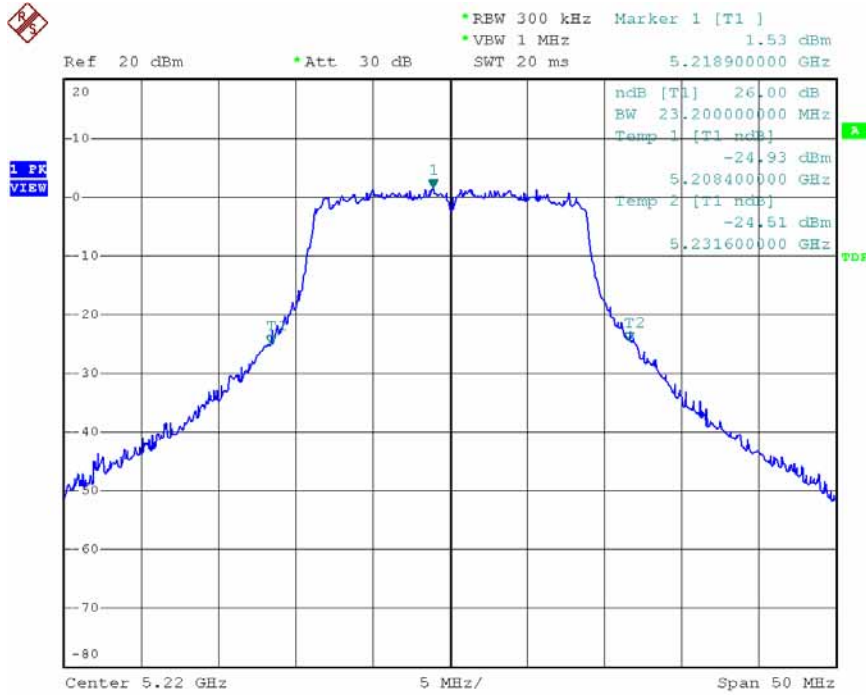
Date: 12.DEC.2007 17:31:04

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-L1 + ANT-L3 (ANT-L3)
 Channel: 36



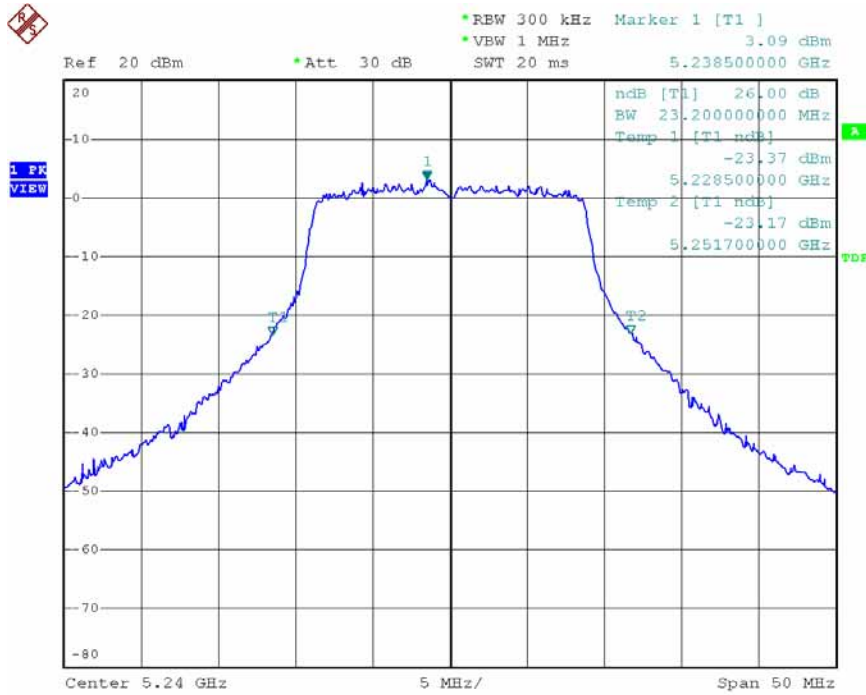
Date: 12.DEC.2007 17:17:55

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-L1 + ANT-L3 (ANT-L3)
 Channel: 44



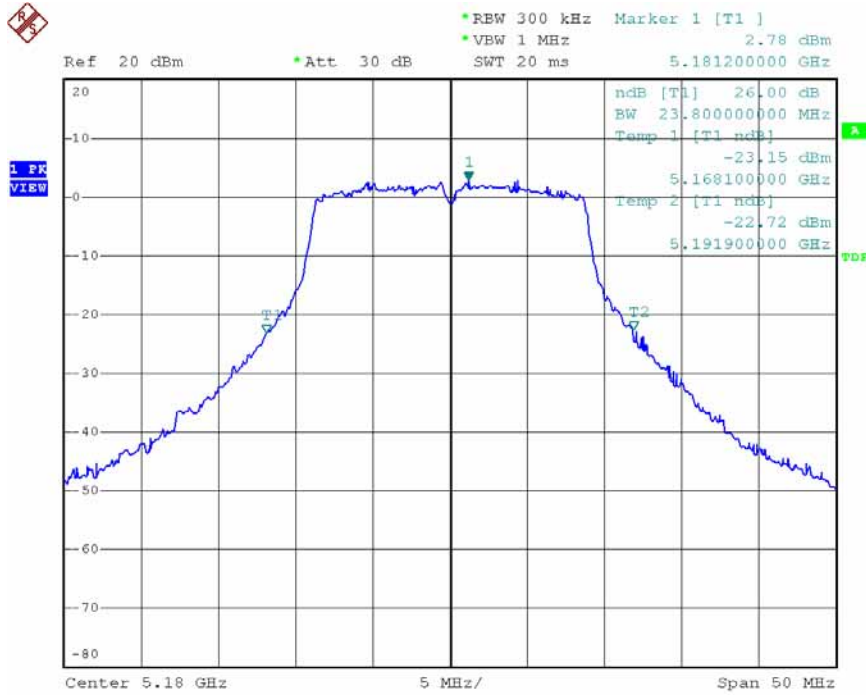
Date: 12.DEC.2007 17:22:09

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-L1 + ANT-L3 (ANT-L3)
 Channel: 48



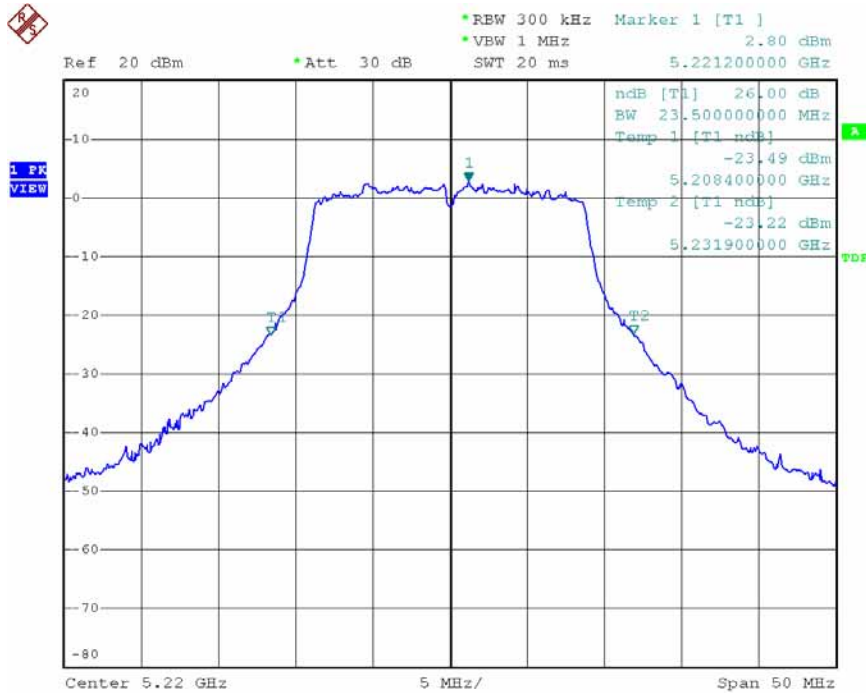
Date: 12.DEC.2007 17:31:50

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-L1 + ANT-R3 (ANT-L1)
 Channel: 36



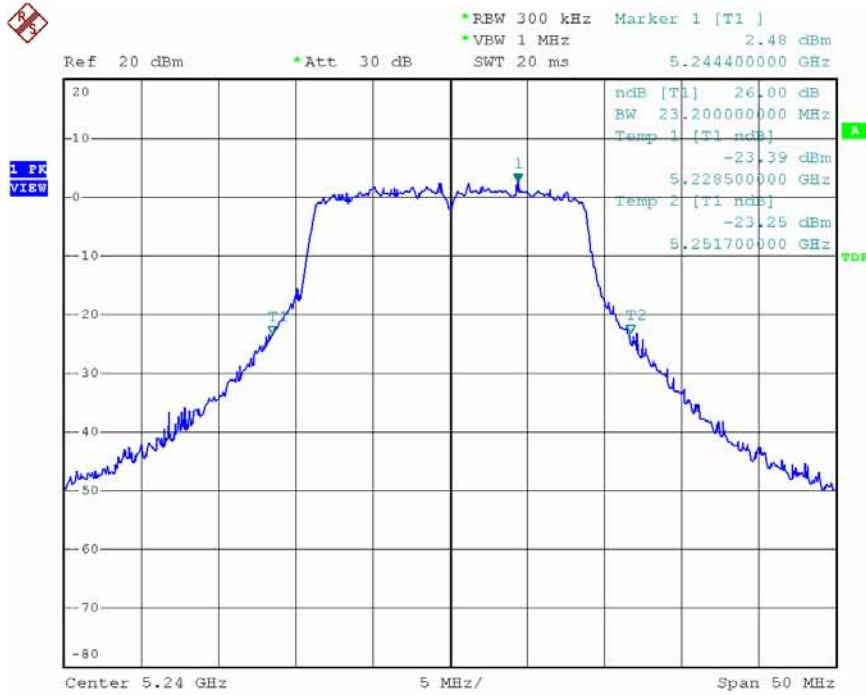
Date: 12.DEC.2007 17:58:39

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-L1 + ANT-R3 (ANT-L1)
 Channel: 44



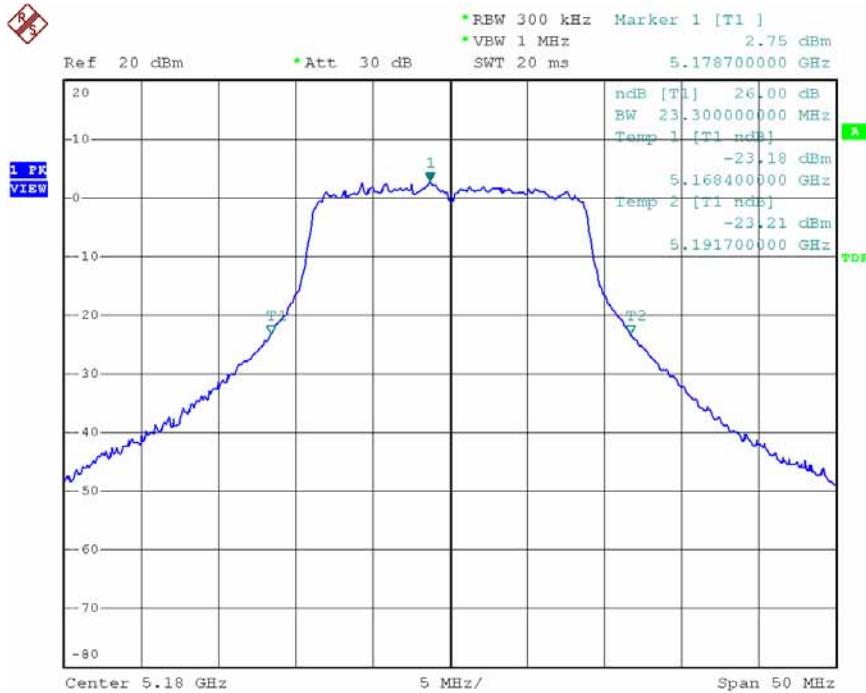
Date: 12.DEC.2007 18:15:22

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-L1 + ANT-R3 (ANT-L1)
 Channel: 48



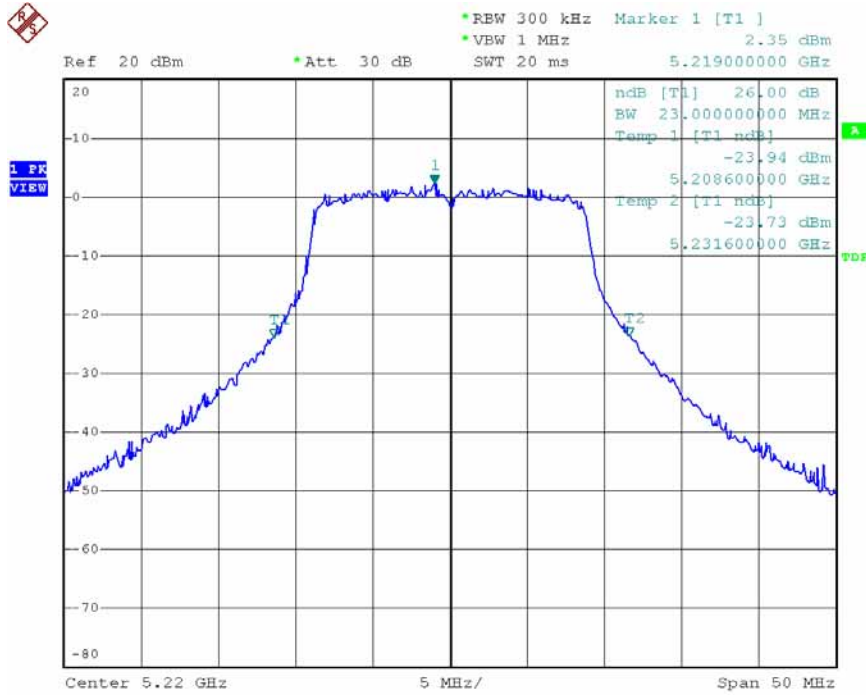
Date: 12.DEC.2007 18:21:51

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-L1 + ANT-R3 (ANT-R3)
 Channel: 36



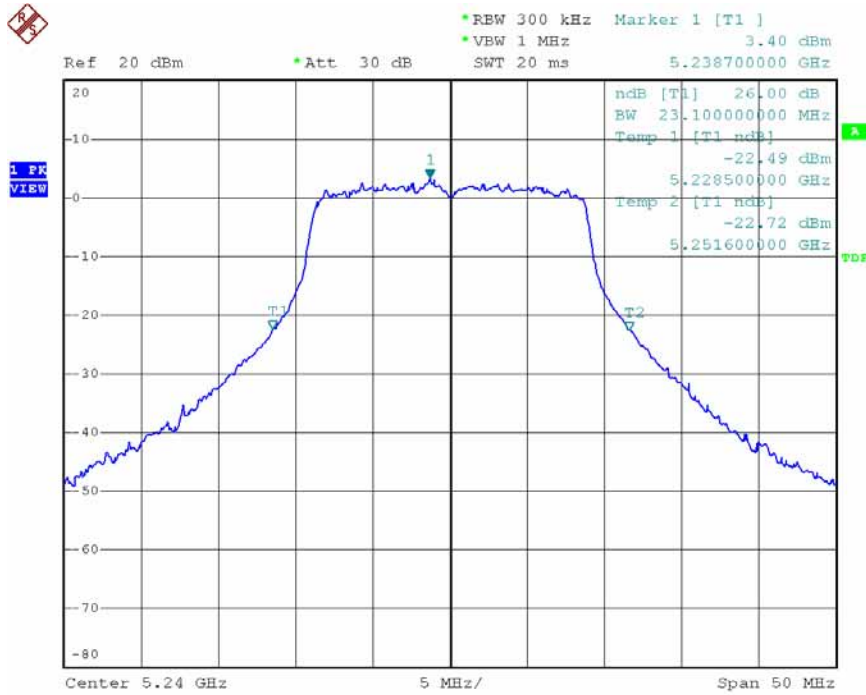
Date: 12.DEC.2007 18:03:42

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-L1 + ANT-R3 (ANT-R3)
 Channel: 44



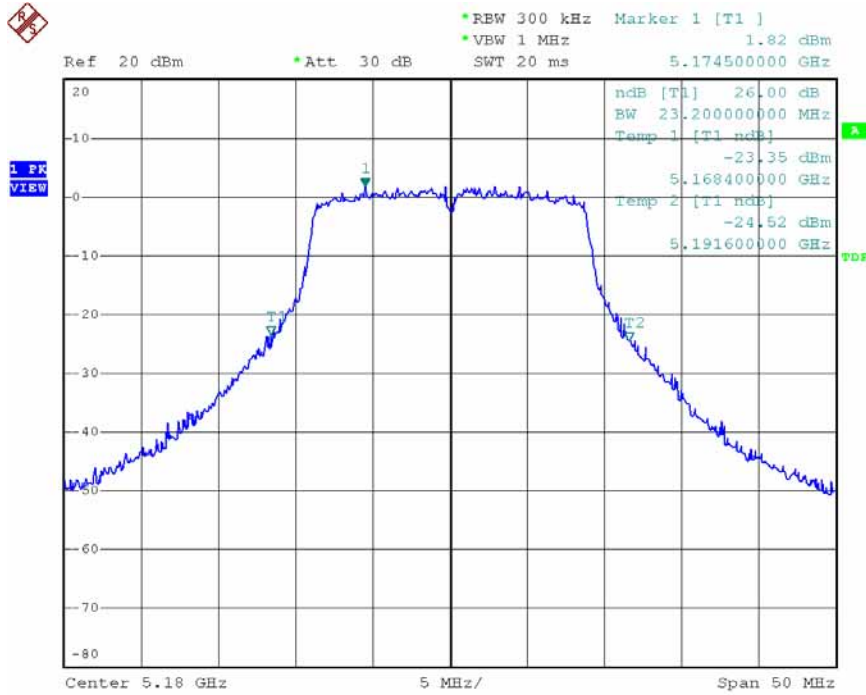
Date: 12.DEC.2007 18:12:31

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-L1 + ANT-R3 (ANT-R3)
 Channel: 48



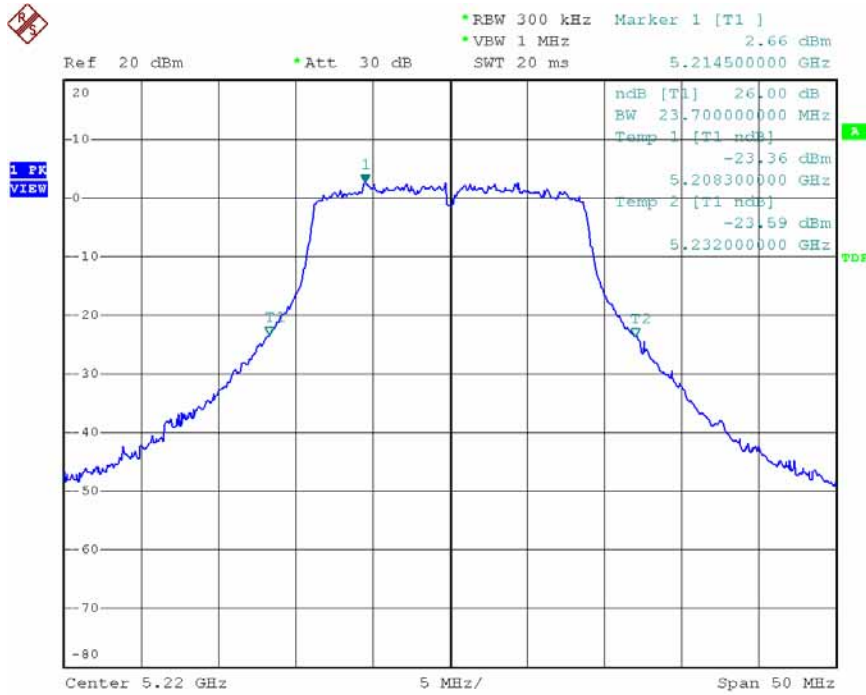
Date: 12.DEC.2007 18:23:47

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-R1 + ANT-L3 (ANT-R1)
 Channel: 36



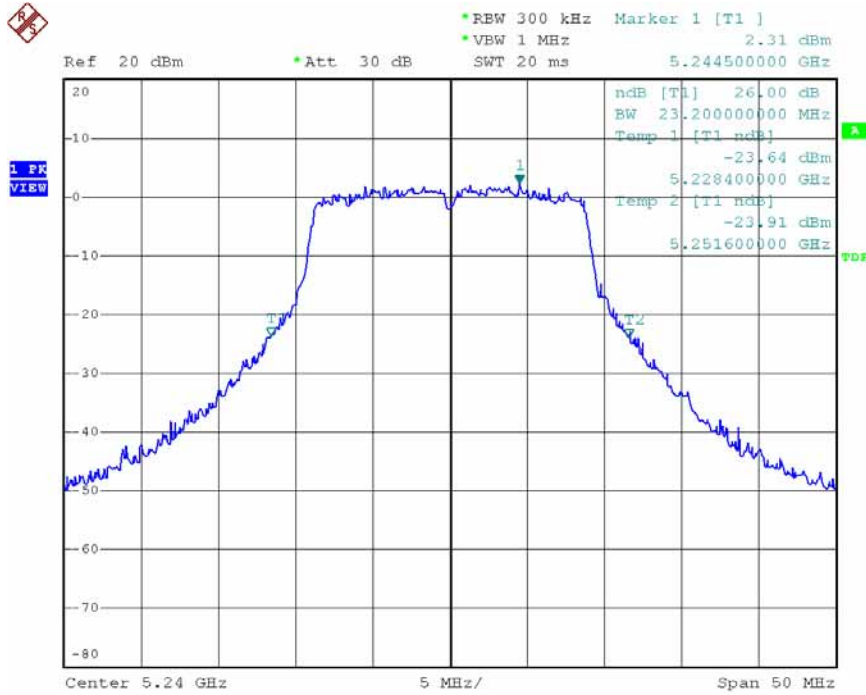
Date: 12.DEC.2007 18:40:27

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-R1 + ANT-L3 (ANT-R1)
 Channel: 44



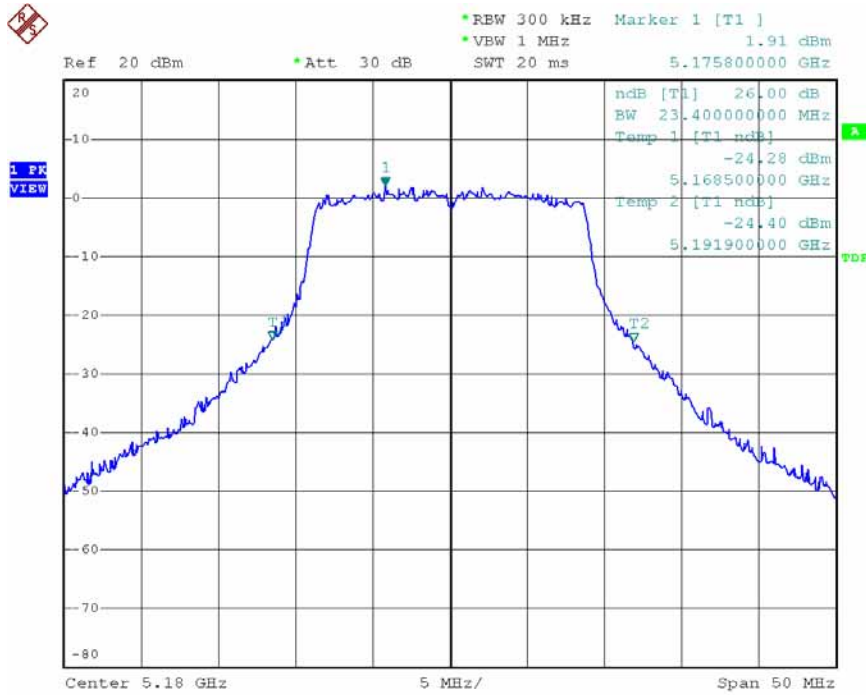
Date: 12.DEC.2007 18:49:48

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-R1 + ANT-L3 (ANT-R1)
 Channel: 48



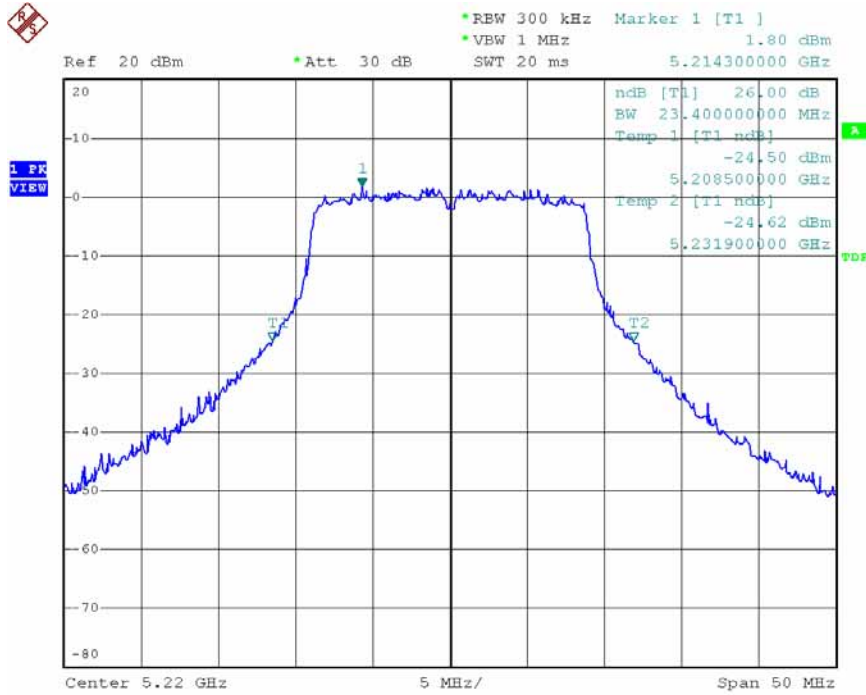
Date: 12.DEC.2007 18:53:35

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-R1 + ANT-L3 (ANT-L3)
 Channel: 36



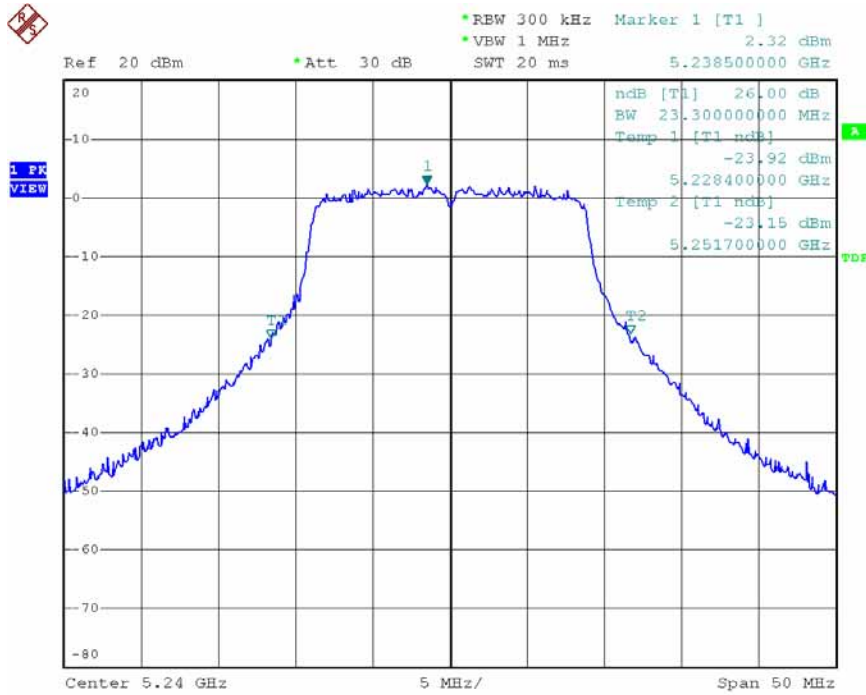
Date: 12.DEC.2007 18:43:02

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-R1 + ANT-L3 (ANT-L3)
 Channel: 44



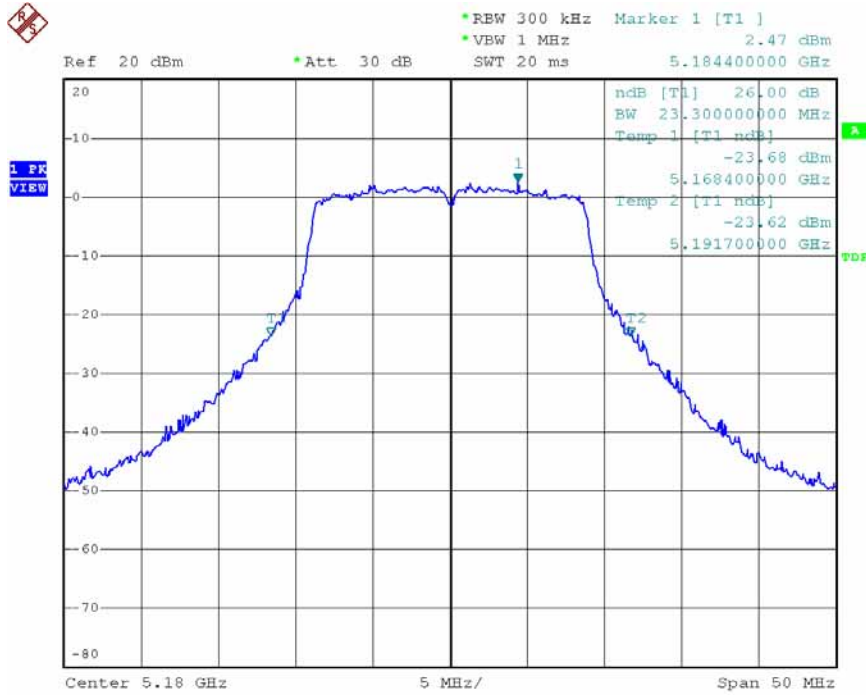
Date: 12.DEC.2007 18:46:44

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-R1 + ANT-L3 (ANT-L3)
 Channel: 48



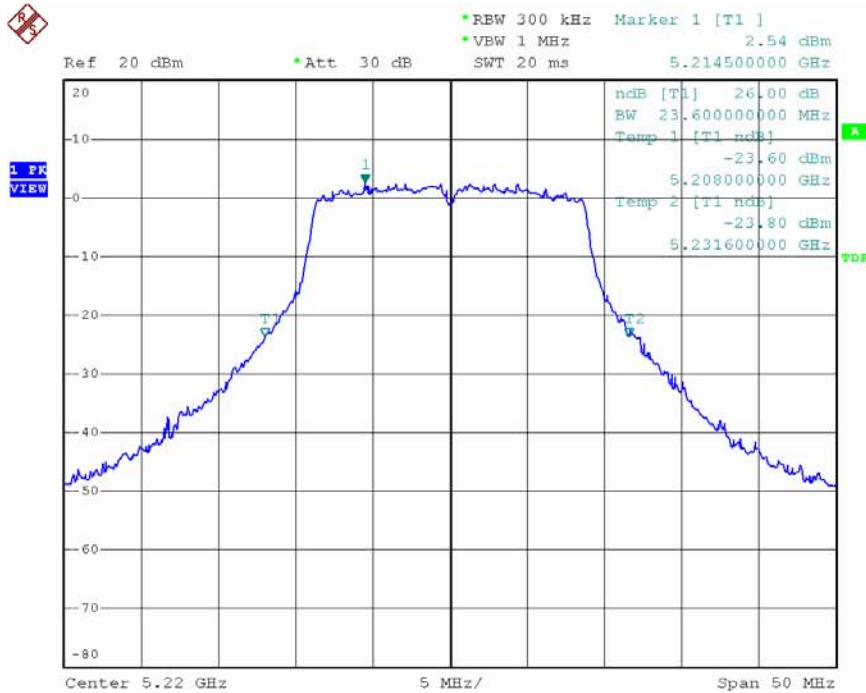
Date: 12.DEC.2007 18:56:09

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-R1 + ANT-R3 (ANT-R1)
 Channel: 36



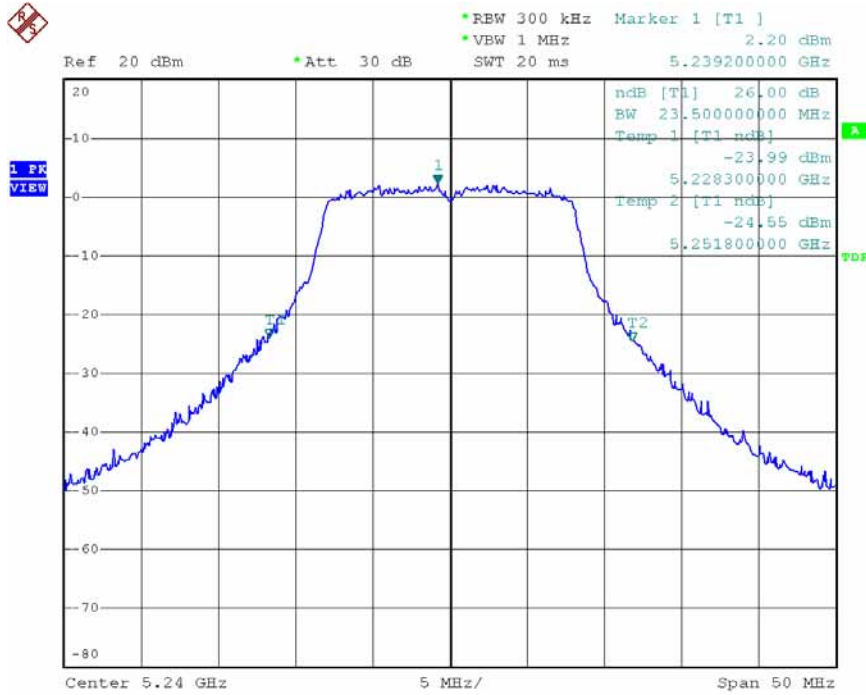
Date: 12.DEC.2007 15:25:21

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-R1 + ANT-R3 (ANT-R1)
 Channel: 44



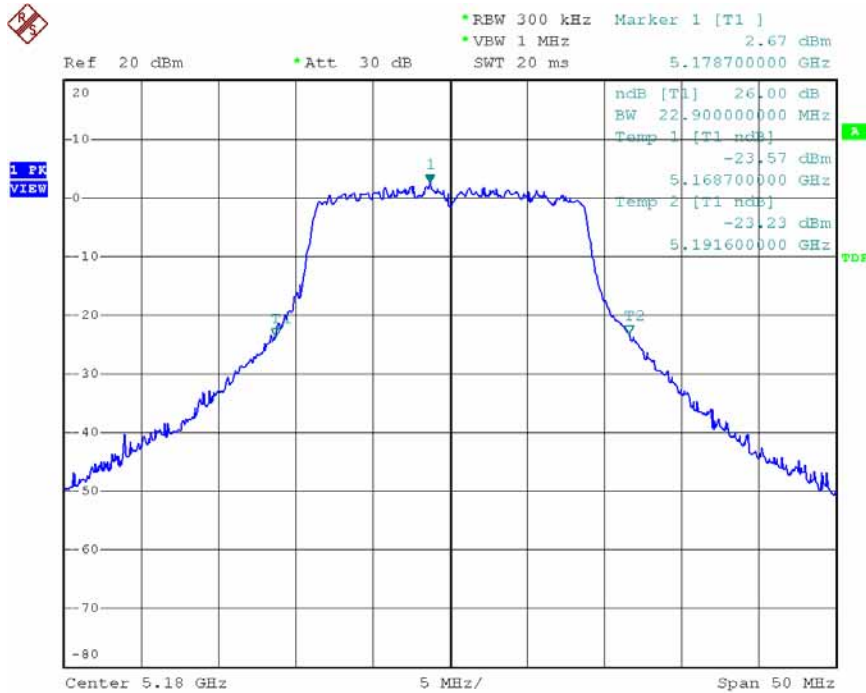
Date: 12.DEC.2007 15:38:13

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-R1 + ANT-R3 (ANT-R1)
 Channel: 48



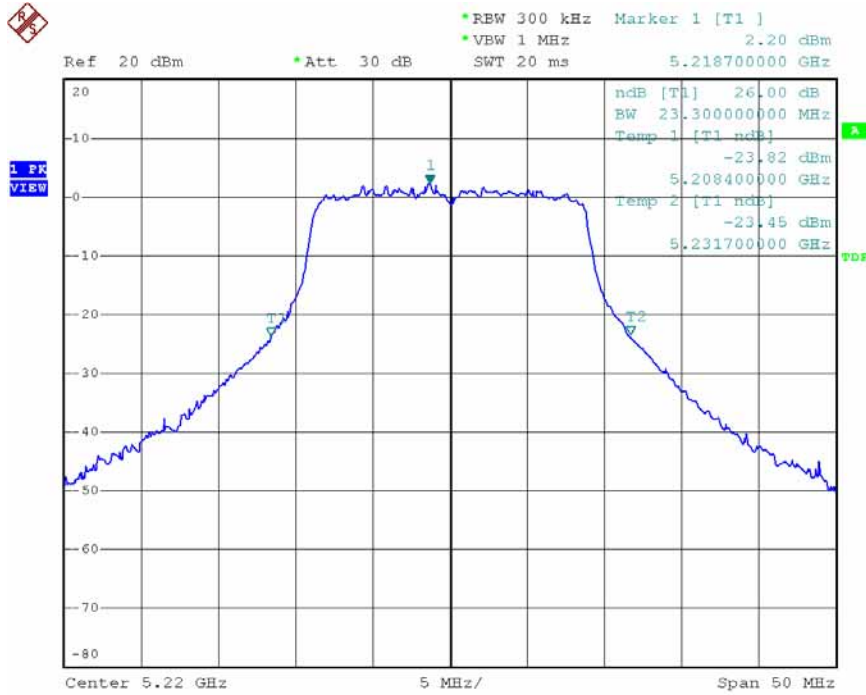
Date: 12.DEC.2007 16:53:33

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-R1 + ANT-R3 (ANT-R3)
 Channel: 36



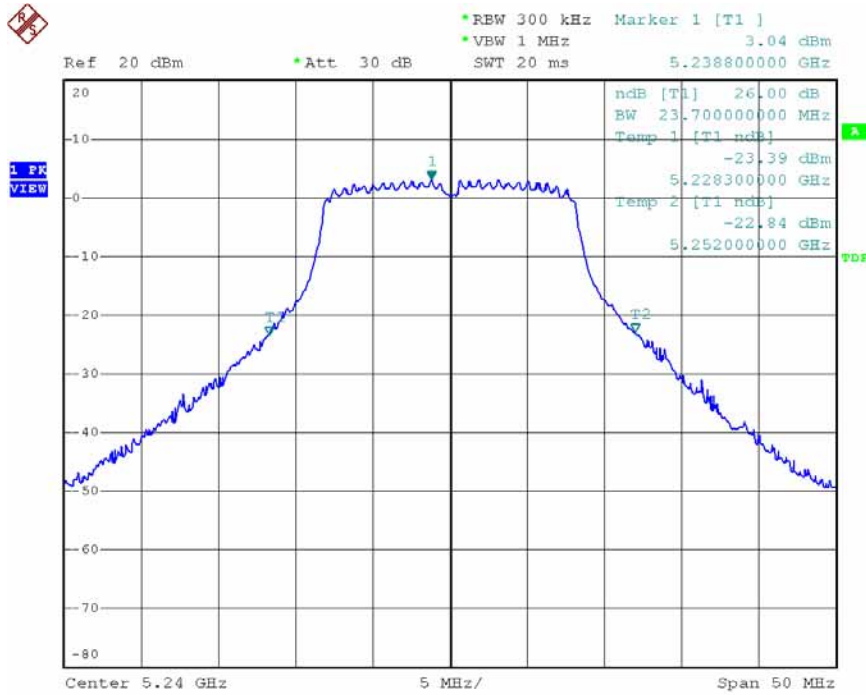
Date: 12.DEC.2007 15:28:41

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-R1 + ANT-R3 (ANT-R3)
 Channel: 44



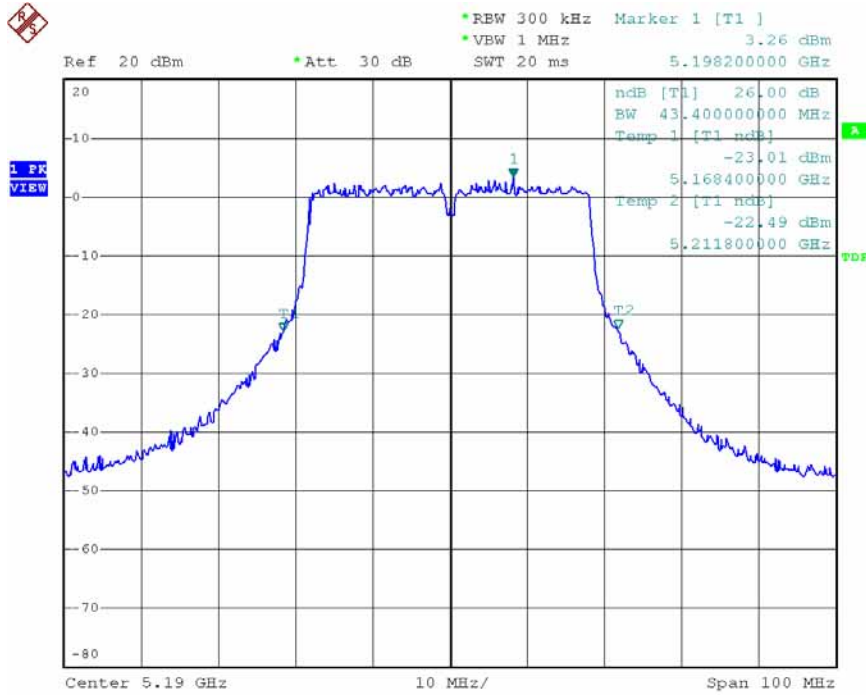
Date: 12.DEC.2007 15:39:36

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-R1 + ANT-R3 (ANT-R3)
 Channel: 48



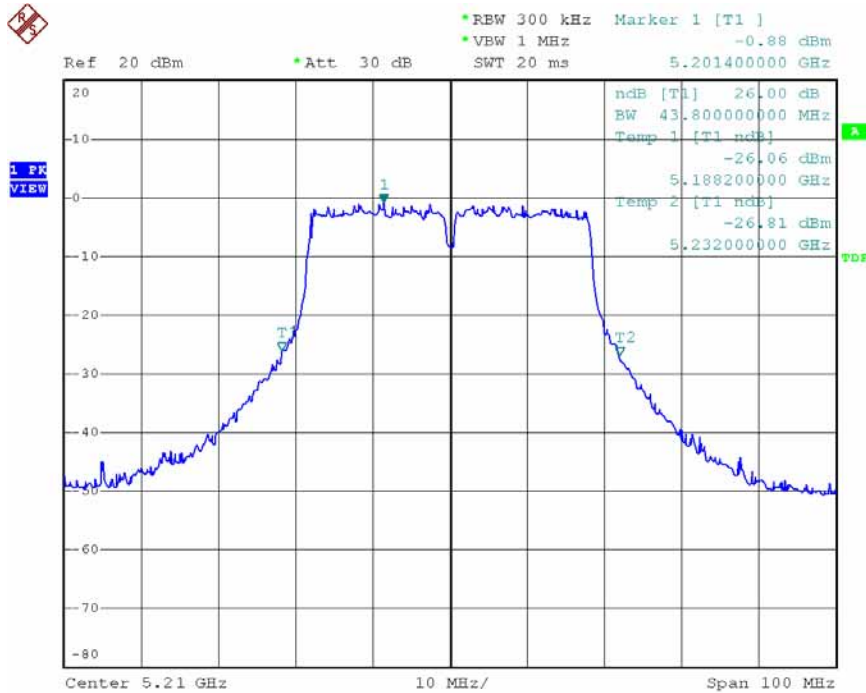
Date: 12.DEC.2007 16:57:37

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-L1 + ANT-L3 (ANT-L1)
 Channel: 38



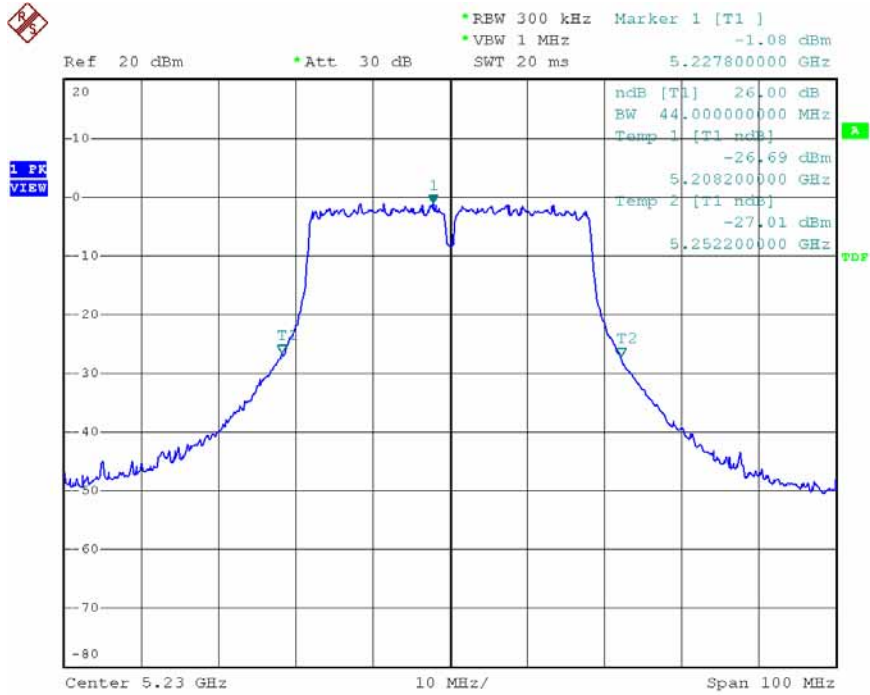
Date: 24.DEC.2007 16:58:15

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-L1 + ANT-L3 (ANT-L1)
 Channel: 42



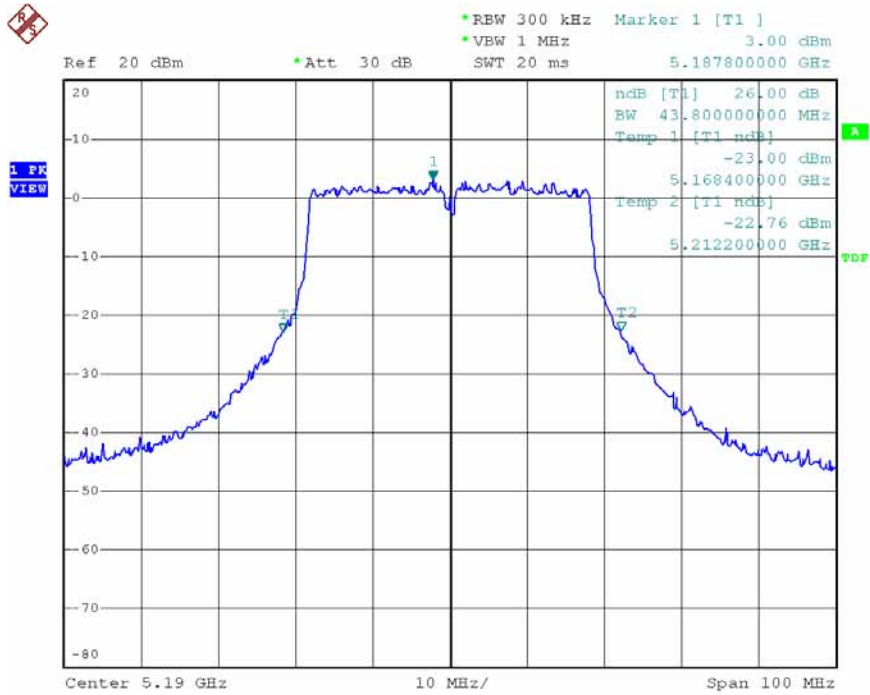
Date: 13.DEC.2007 15:09:58

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-L1 + ANT-L3 (ANT-L1)
 Channel: 46



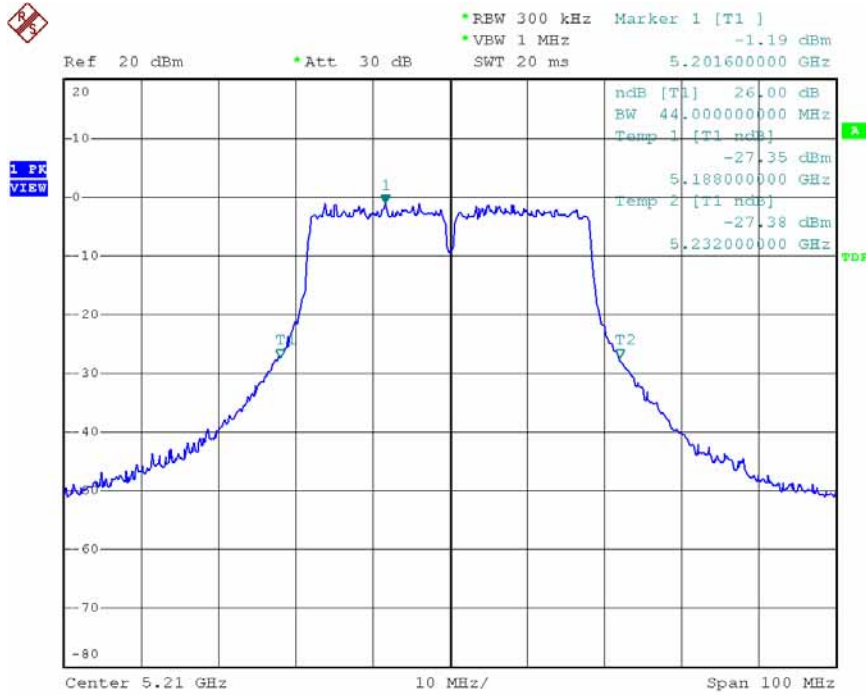
Date: 13.DEC.2007 15:24:20

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-L1 + ANT-L3 (ANT-L3)
 Channel: 38



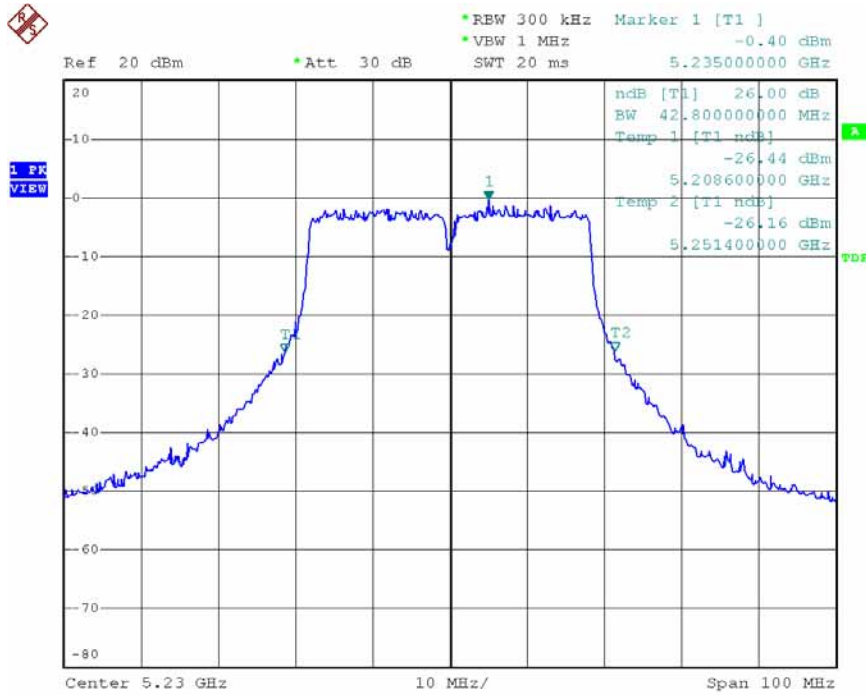
Date: 24.DEC.2007 16:55:27

Modulation Standard: 802.11Draft n, 20MHz (130Mbps) - ANT-L1 + ANT-L3 (ANT-L3)
 Channel: 42



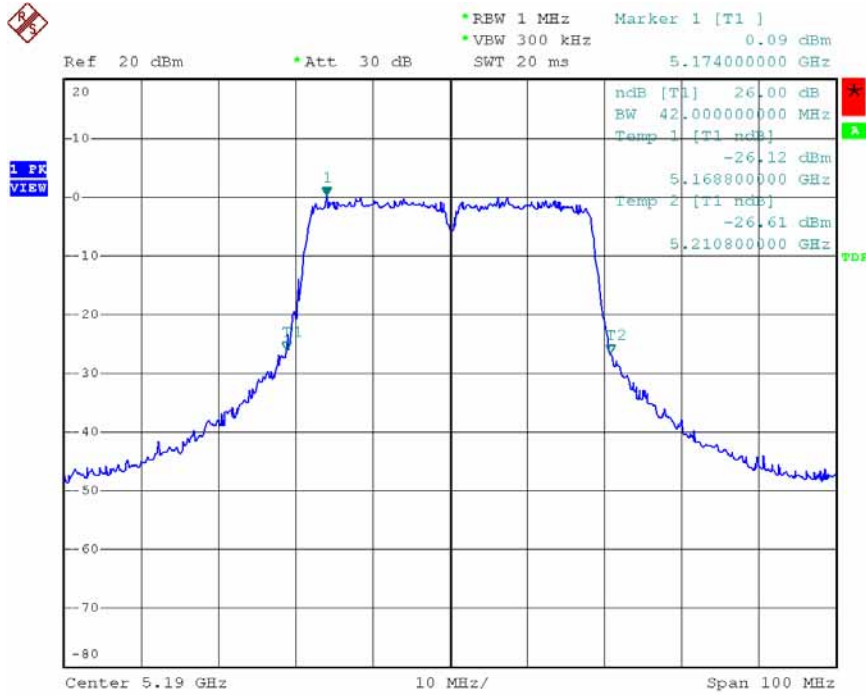
Date: 13.DEC.2007 15:13:31

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-L1 + ANT-L3 (ANT-L3)
 Channel: 46



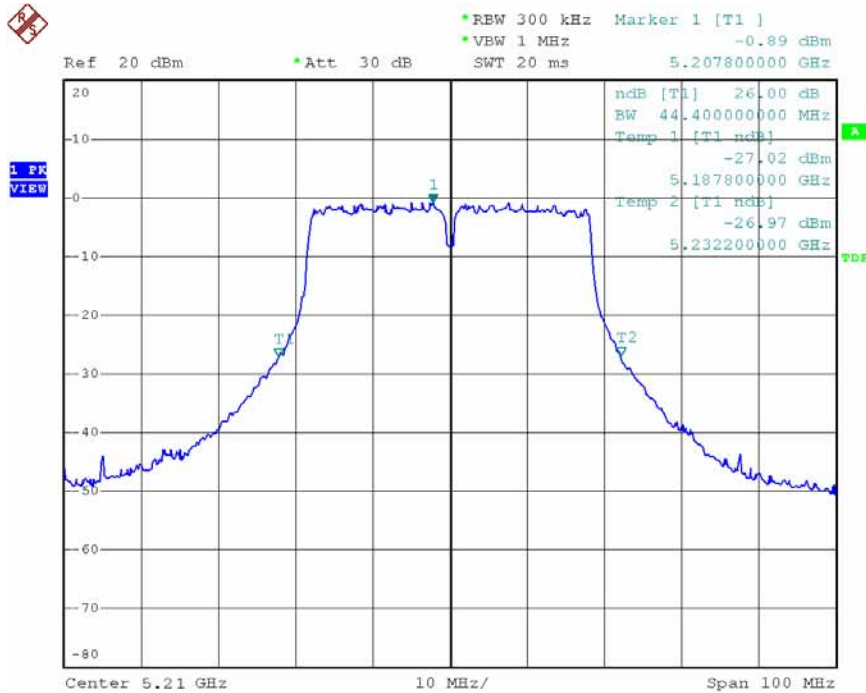
Date: 13.DEC.2007 15:16:56

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-L1 + ANT-R3 (ANT-L1)
 Channel: 38



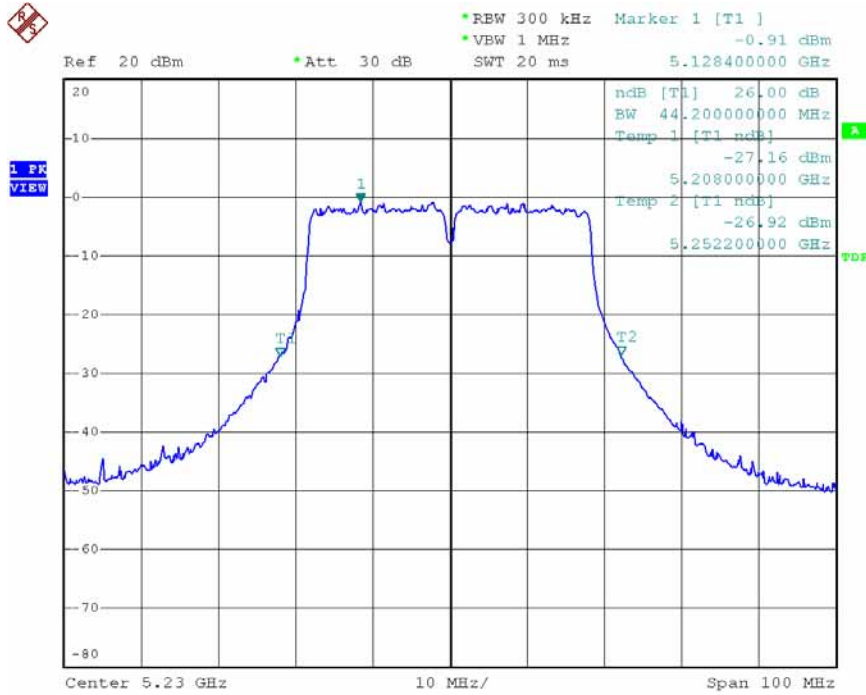
Date: 24.DEC.2007 20:38:13

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-L1 + ANT-R3 (ANT-L1)
 Channel: 42



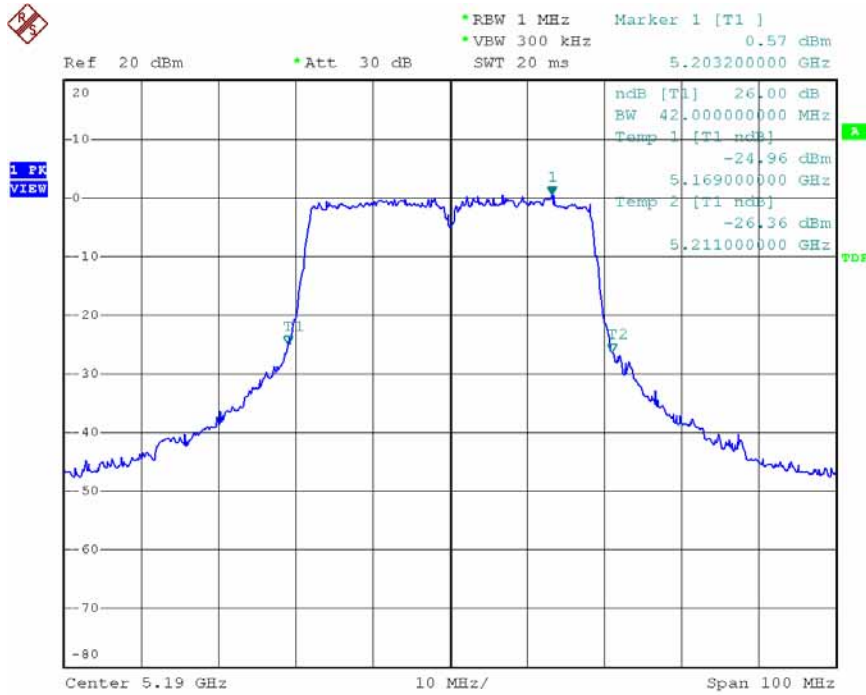
Date: 13.DEC.2007 16:12:51

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-L1 + ANT-R3 (ANT-L1)
 Channel: 46



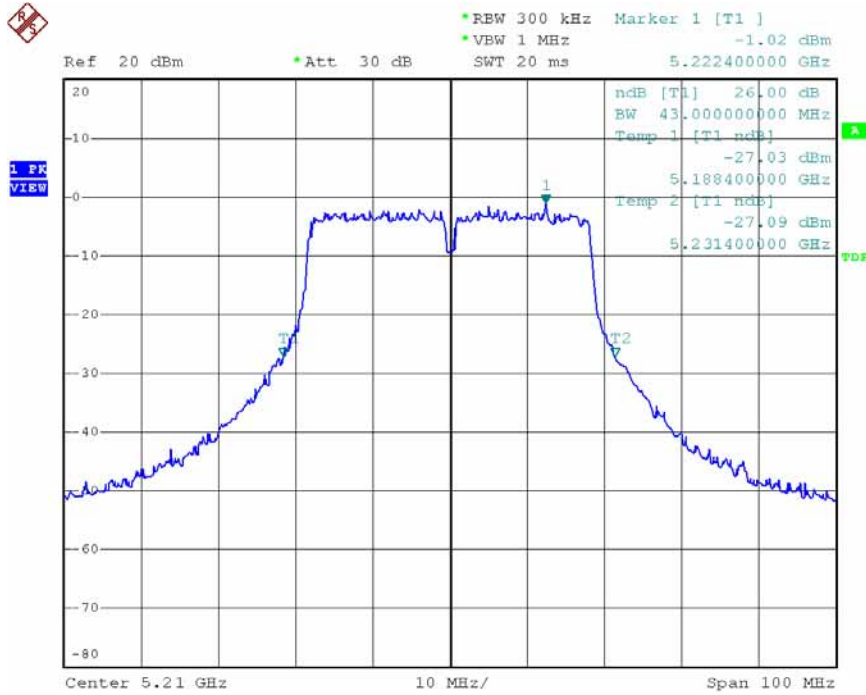
Date: 13.DEC.2007 16:26:03

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-L1 + ANT-R3 (ANT-R3)
 Channel: 38



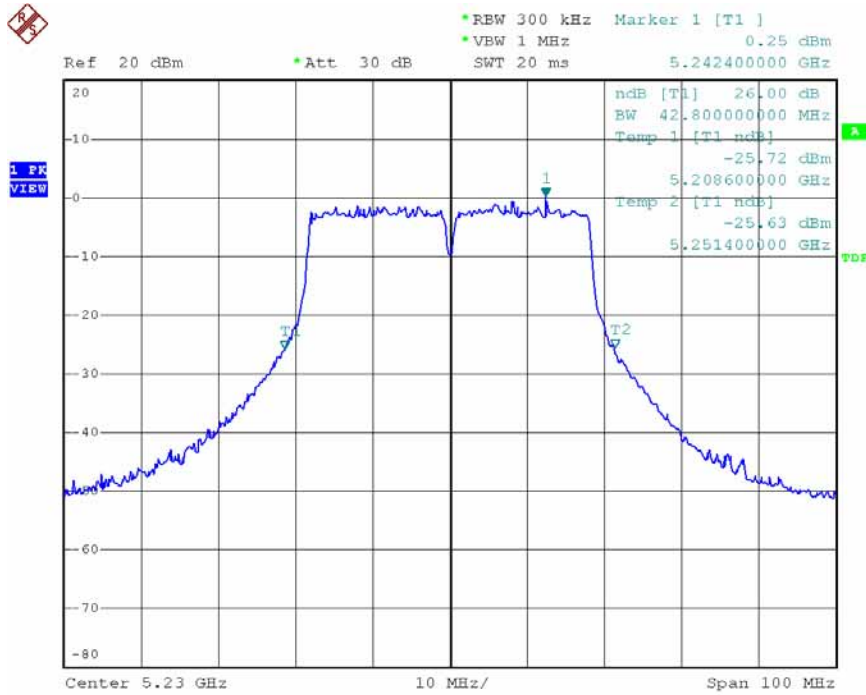
Date: 24.DEC.2007 20:39:04

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-L1 + ANT-R3 (ANT-R3)
 Channel: 42



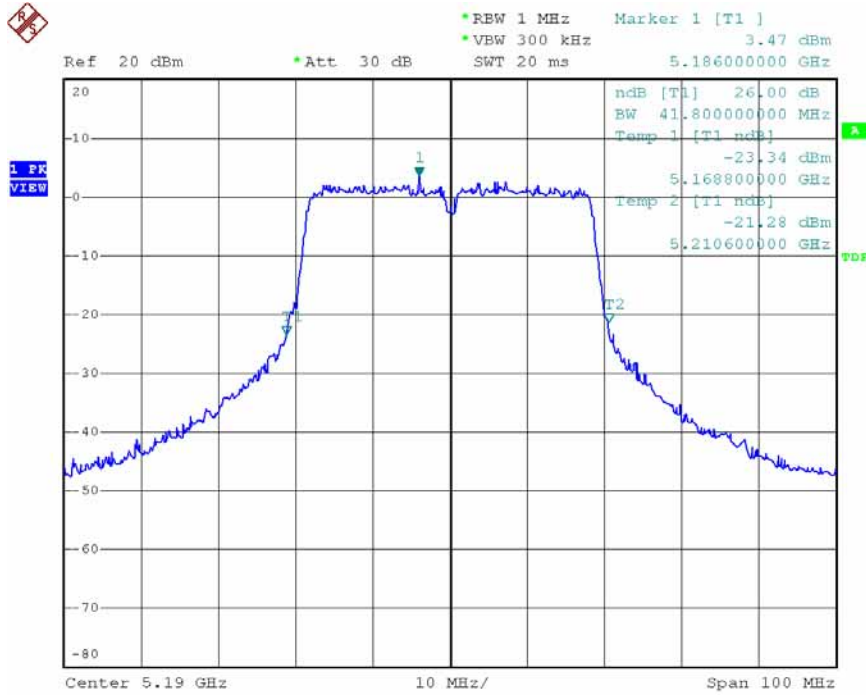
Date: 13.DEC.2007 16:05:53

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-L1 + ANT-R3 (ANT-R3)
 Channel: 46



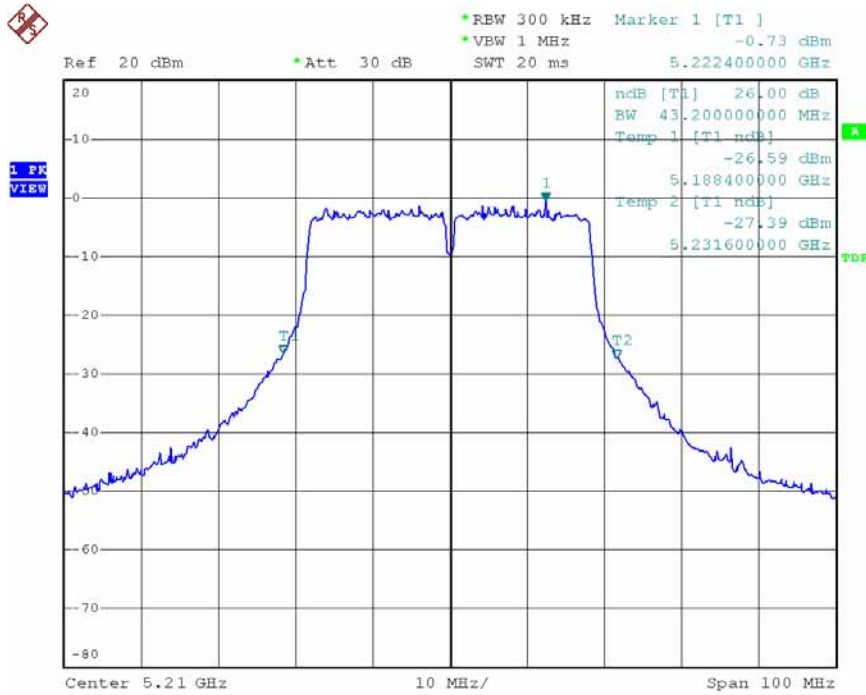
Date: 13.DEC.2007 16:22:29

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-R1 + ANT-L3 (ANT-R1)
 Channel: 38



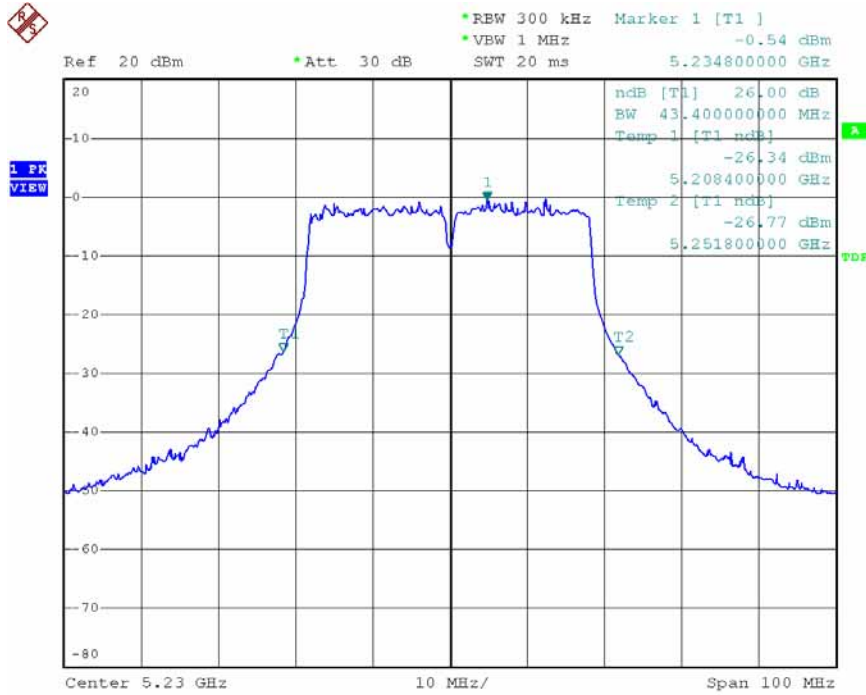
Date: 24.DEC.2007 20:44:23

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-R1 + ANT-L3 (ANT-R1)
 Channel: 42



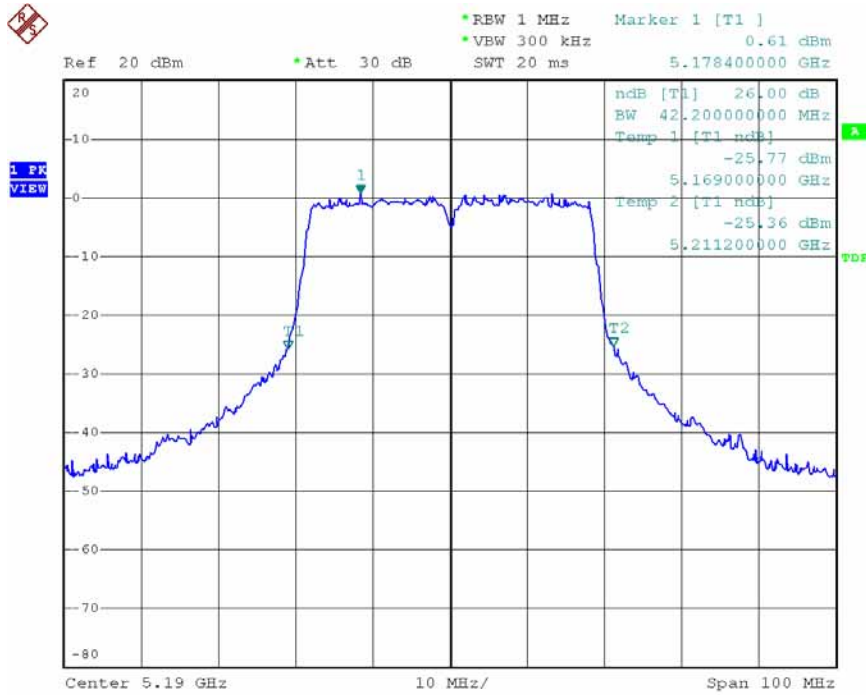
Date: 13.DEC.2007 17:04:13

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-R1 + ANT-L3 (ANT-R1)
 Channel: 46



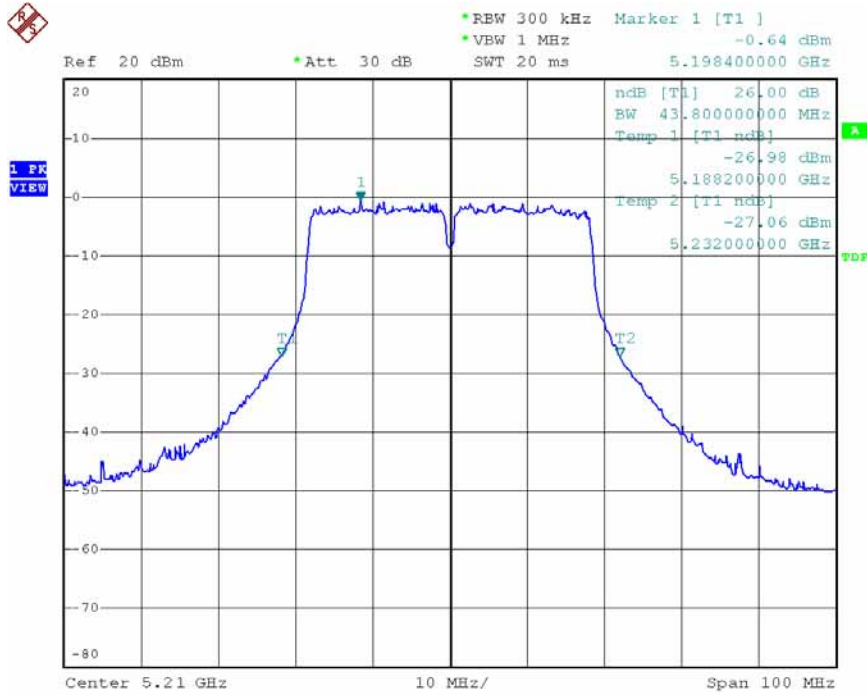
Date: 13.DEC.2007 17:09:55

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-R1 + ANT-L3 (ANT-L3)
 Channel: 38



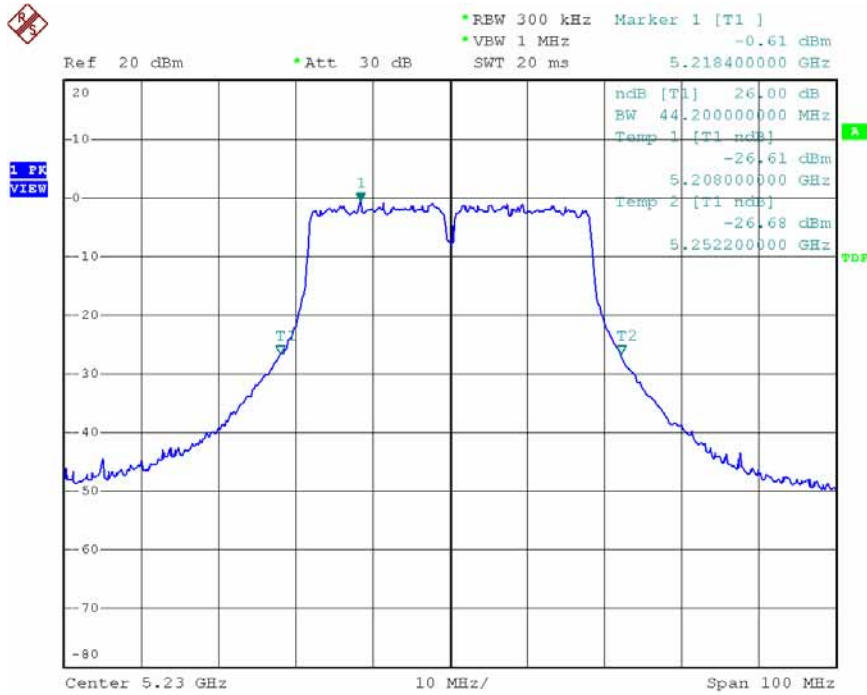
Date: 24.DEC.2007 20:42:10

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-R1 + ANT-L3 (ANT-L3)
 Channel: 42



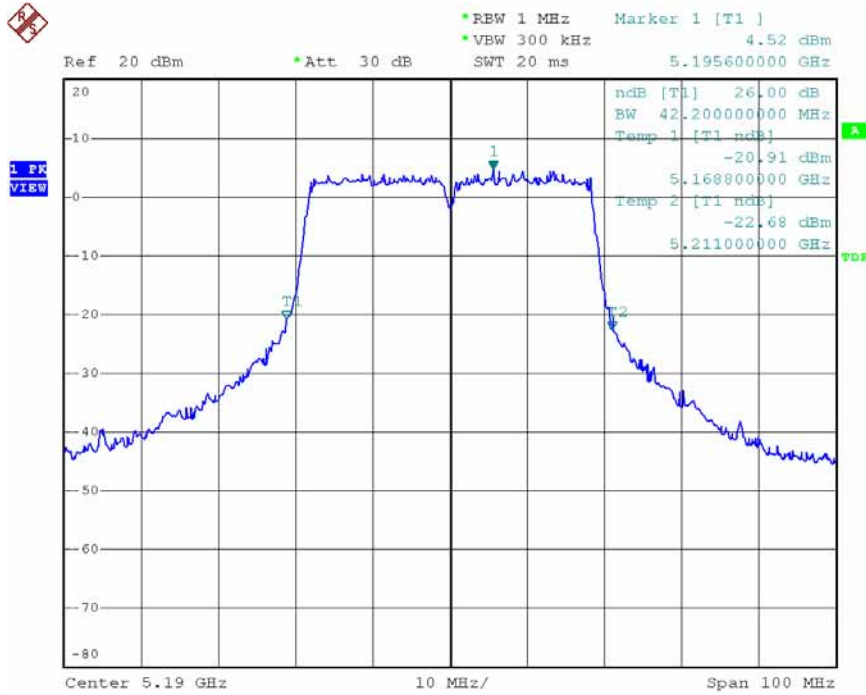
Date: 13.DEC.2007 16:55:35

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-R1 + ANT-L3 (ANT-L3)
 Channel: 46



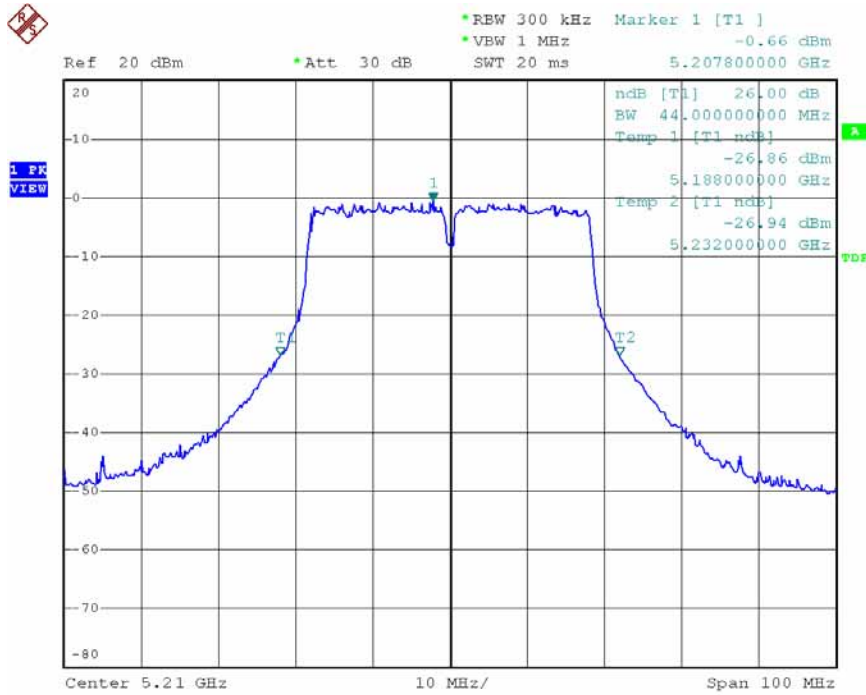
Date: 13.DEC.2007 17:15:41

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-R1 + ANT-R3 (ANT-R1)
 Channel: 38



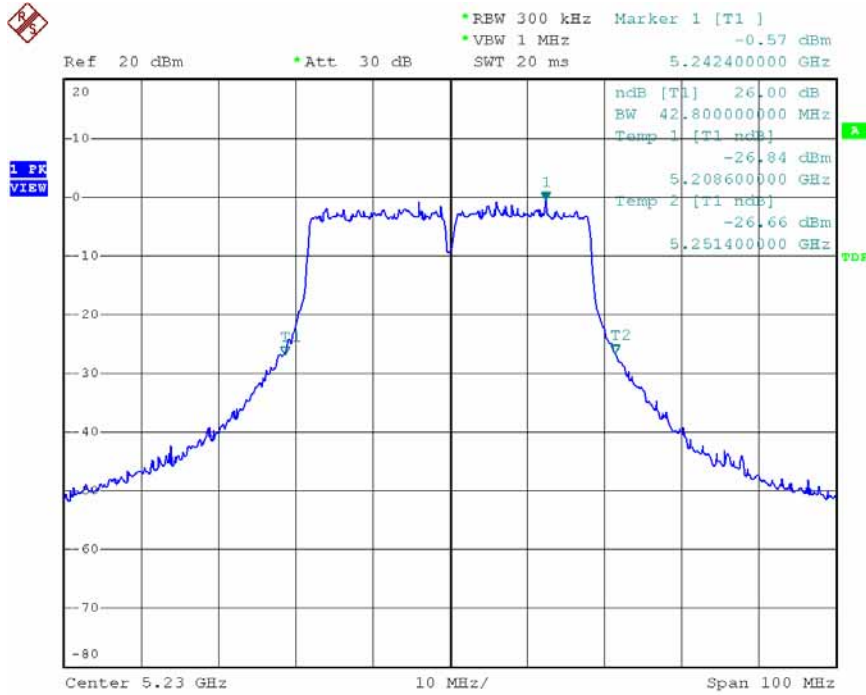
Date: 24.DEC.2007 20:29:42

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-R1 + ANT-R3 (ANT-R1)
 Channel: 42



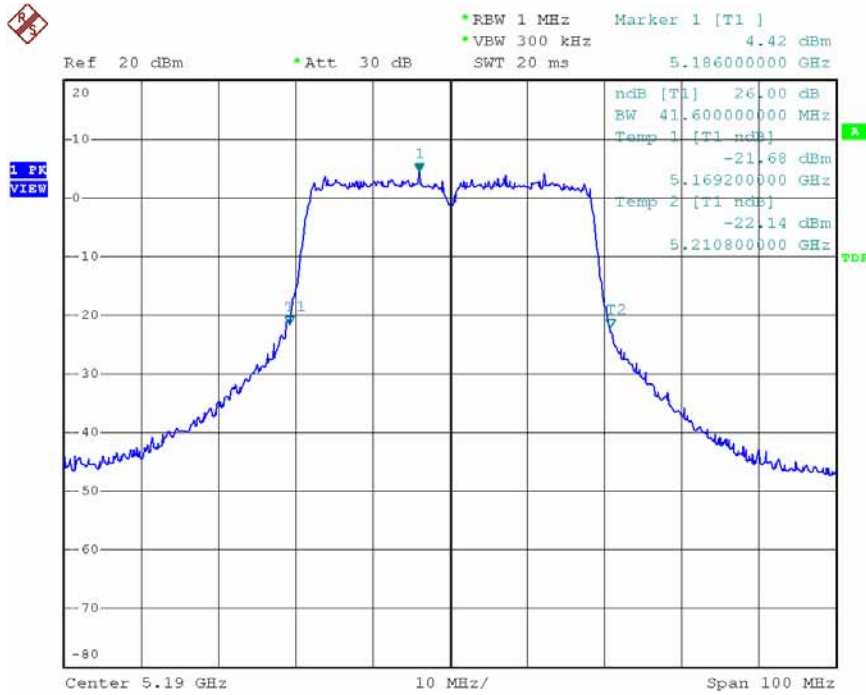
Date: 13.DEC.2007 14:19:34

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-R1 + ANT-R3 (ANT-R1)
 Channel: 46



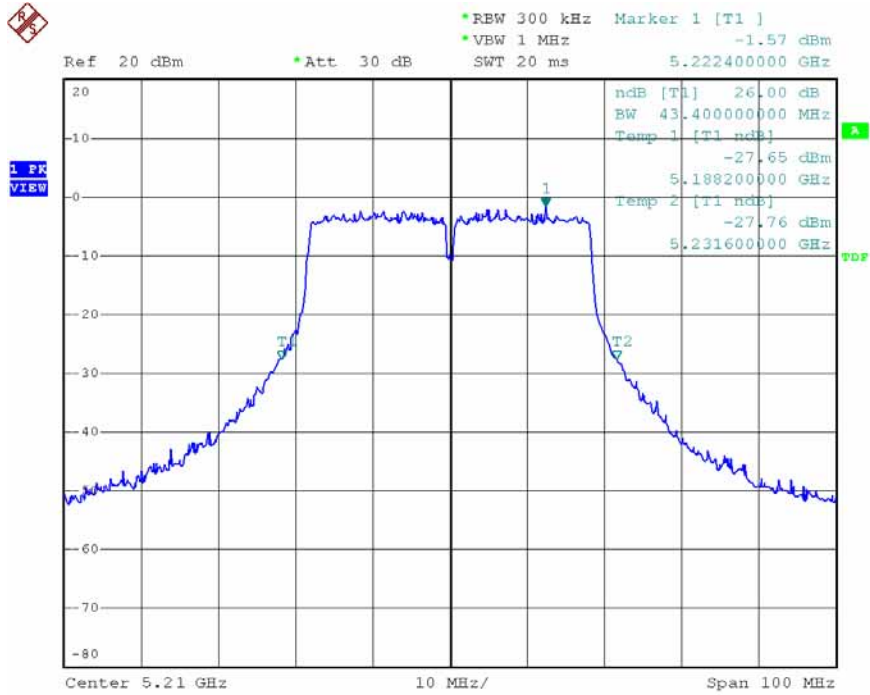
Date: 13.DEC.2007 14:30:12

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-R1 + ANT-R3 (ANT-R3)
 Channel: 38



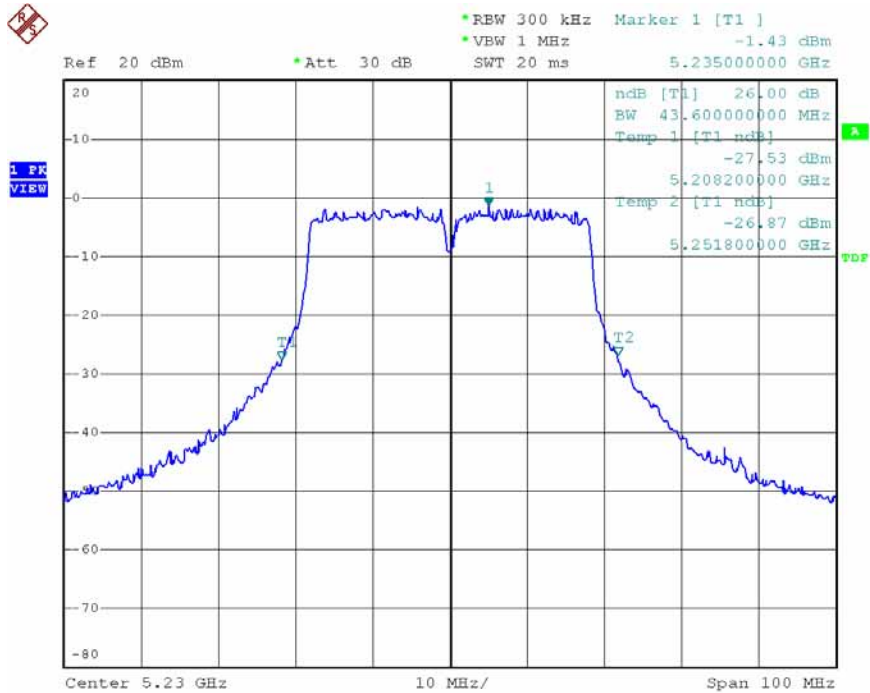
Date: 24.DEC.2007 20:33:14

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-R1 + ANT-R3 (ANT-R3)
 Channel: 42



Date: 13.DEC.2007 14:14:44

Modulation Standard: 802.11Draft n, 40MHz (270Mbps) - ANT-R1 + ANT-R3 (ANT-R3)
 Channel: 46



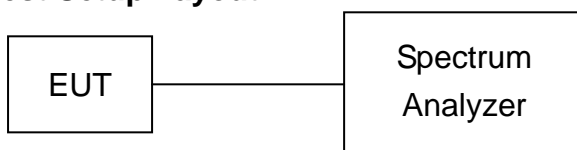
Date: 13.DEC.2007 14:25:57

7. Peak Power Excursion

7.1. Test Procedure

1. The transmitter output was connected to the spectrum analyzer
2. Using Peak detector and max-hold function for Trace 1 MHz and VBW to 3 MHz for Trace 1. Using average detector for Trace 2.
3. Set RBW of spectrum analyzer to 1 MHz and VBW to 3 MHz for Trace 1. Set RBW of spectrum analyzer to 1 MHz and VBW to 300 kHz for Trace 2.
4. The largest difference between Trace 1 and Trace 2 in any 1 MHz band on any frequency was recorded.

7.2. Test Setup Layout



7.3. Measurement equipment

| Instrument/Ancillary | Model No. | Manufacturer | Serial No. | Calibration Date | Valid Date. |
|----------------------|-----------|--------------|------------|------------------|-------------|
| Spectrum Analyzer | FSP40 | R&S | 100047 | 2007/01/23 | 2008/01/22 |

7.4. Test Result and Data

Test Mode 1: 802.11a, Transmit Rate: 6Mbps, ANT-L1

Test Date: Dec. 12, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

| Channel | Frequency (MHz) | Peak Power Excursion (dB) |
|---------|-----------------|---------------------------|
| 36 | 5180 | 11.92 |
| 44 | 5220 | 12.23 |
| 48 | 5240 | 11.84 |

Test Mode 2: 802.11a, Transmit Rate: 6Mbps, ANT-L3

Test Date: Dec. 12, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

| Channel | Frequency (MHz) | Peak Power Excursion (dB) |
|---------|-----------------|---------------------------|
| 36 | 5180 | 11.36 |
| 44 | 5220 | 11.90 |
| 48 | 5240 | 12.12 |

Test Mode 3: 802.11a, Transmit Rate: 6Mbps, ANT-R1

Test Date: Dec. 12, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

| Channel | Frequency (MHz) | Peak Power Excursion (dB) |
|---------|-----------------|---------------------------|
| 36 | 5180 | 10.92 |
| 44 | 5220 | 10.32 |
| 48 | 5240 | 10.32 |

Test Mode 4: 802.11a, Transmit Rate: 6Mbps, ANT-R3

Test Date: Dec. 12, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

| Channel | Frequency (MHz) | Peak Power Excursion (dB) |
|---------|-----------------|---------------------------|
| 36 | 5180 | 11.03 |
| 44 | 5220 | 10.28 |
| 48 | 5240 | 10.31 |

Test Mode 5: 802.11Draft n, 20MHz, Transmit Rate: 130Mbps, ANT-L1+ANT-L3

Test Date: Dec. 12, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

| Channel | Frequency (MHz) | Peak Power Excursion L1 (dB) | Peak Power Excursion L3 (dB) |
|---------|-----------------|------------------------------|------------------------------|
| 36 | 5180 | 11.12 | 10.56 |
| 44 | 5220 | 10.40 | 10.09 |
| 48 | 5240 | 11.49 | 10.78 |

Test Mode 6: 802.11Draft n, 20MHz, Transmit Rate: 130Mbps, ANT-L1+ANT-R3

Test Date: Dec. 12, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

| Channel | Frequency (MHz) | Peak Power Excursion L1 (dB) | Peak Power Excursion R3 (dB) |
|---------|-----------------|------------------------------|------------------------------|
| 36 | 5180 | 10.71 | 10.35 |
| 44 | 5220 | 11.06 | 10.55 |
| 48 | 5240 | 10.98 | 10.80 |

Test Mode 7: 802.11Draft n, 20MHz, Transmit Rate: 130Mbps, ANT-R1+ANT-L3

Test Date: Dec. 12, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

| Channel | Frequency (MHz) | Peak Power Excursion R1 (dB) | Peak Power Excursion L3 (dB) |
|---------|-----------------|------------------------------|------------------------------|
| 36 | 5180 | 11.23 | 10.74 |
| 44 | 5220 | 10.46 | 11.10 |
| 48 | 5240 | 10.46 | 11.09 |

Test Mode 8: 802.11Draft n, 20MHz, Transmit Rate: 130Mbps, ANT-R1+ANT-R3

Test Date: Dec. 12, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

| Channel | Frequency (MHz) | Peak Power Excursion R1 (dB) | Peak Power Excursion R3 (dB) |
|---------|-----------------|------------------------------|------------------------------|
| 36 | 5180 | 11.20 | 10.57 |
| 44 | 5220 | 11.51 | 11.13 |
| 48 | 5240 | 10.96 | 10.51 |

Test Mode 9: 802.11Draft n, 40MHz, Transmit Rate: 270Mbps, ANT-L1+ANT-L3

Test Date: Dec. 12, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

| Channel | Frequency (MHz) | Peak Power Excursion L1 (dB) | Peak Power Excursion L3 (dB) |
|---------|-----------------|------------------------------|------------------------------|
| 38 | 5190 | 12.00 | 11.84 |
| 42 | 5210 | 12.19 | 12.66 |
| 46 | 5230 | 12.58 | 11.37 |

Test Mode 10: 802.11Draft n, 40MHz, Transmit Rate: 270Mbps, ANT-L1+ANT-R3

Test Date: Dec. 12, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

| Channel | Frequency (MHz) | Peak Power Excursion L1 (dB) | Peak Power Excursion R3 (dB) |
|---------|-----------------|------------------------------|------------------------------|
| 38 | 5190 | 12.11 | 12.26 |
| 42 | 5210 | 12.42 | 12.21 |
| 46 | 5230 | 11.96 | 12.68 |

Test Mode 11: 802.11Draft n, 40MHz, Transmit Rate: 270Mbps, ANT-R1+ANT-L3

Test Date: Dec. 12, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

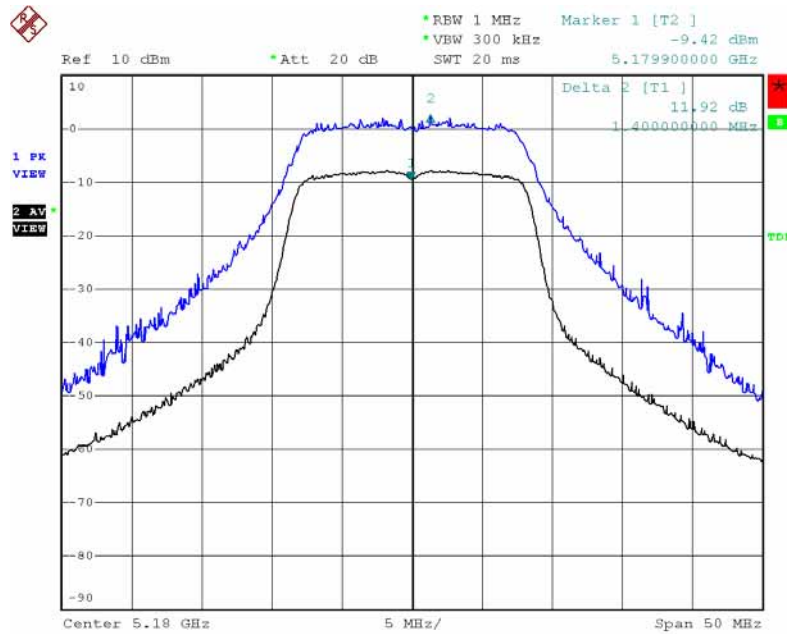
| Channel | Frequency (MHz) | Peak Power Excursion R1 (dB) | Peak Power Excursion L3 (dB) |
|---------|-----------------|------------------------------|------------------------------|
| 38 | 5190 | 11.77 | 11.99 |
| 42 | 5210 | 12.33 | 12.84 |
| 46 | 5230 | 11.73 | 11.73 |

Test Mode 12: 802.11Draft n, 40MHz, Transmit Rate: 270Mbps, ANT-R1+ANT-R3

Test Date: Dec. 12, 2007 Temperature: 23 Humidity: 60% Atmospheric pressure: 1008 hPa

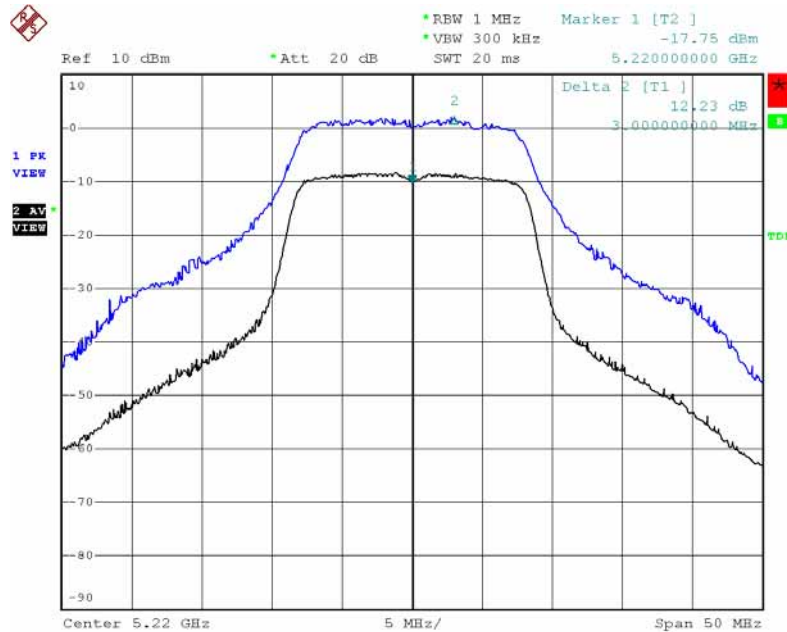
| Channel | Frequency (MHz) | Peak Power Excursion R1 (dB) | Peak Power Excursion R3 (dB) |
|---------|-----------------|------------------------------|------------------------------|
| 38 | 5190 | 12.52 | 12.05 |
| 42 | 5210 | 12.57 | 12.85 |
| 46 | 5230 | 11.80 | 12.48 |

Modulation Standard: 802.11a (6Mbps) – ANT-L1
 Channel: 36



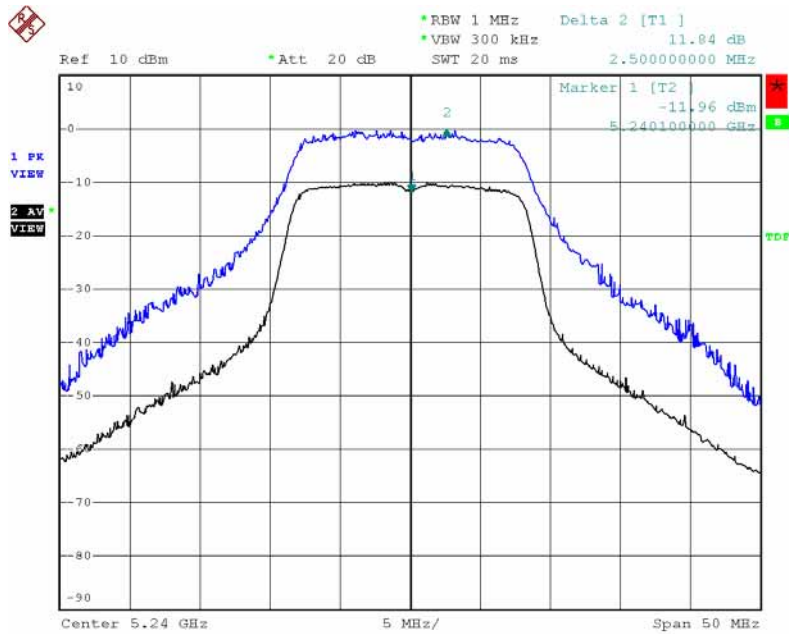
Date: 7.JAN.2008 14:18:01

Modulation Standard: 802.11a (6Mbps) – ANT-L1
 Channel: 44



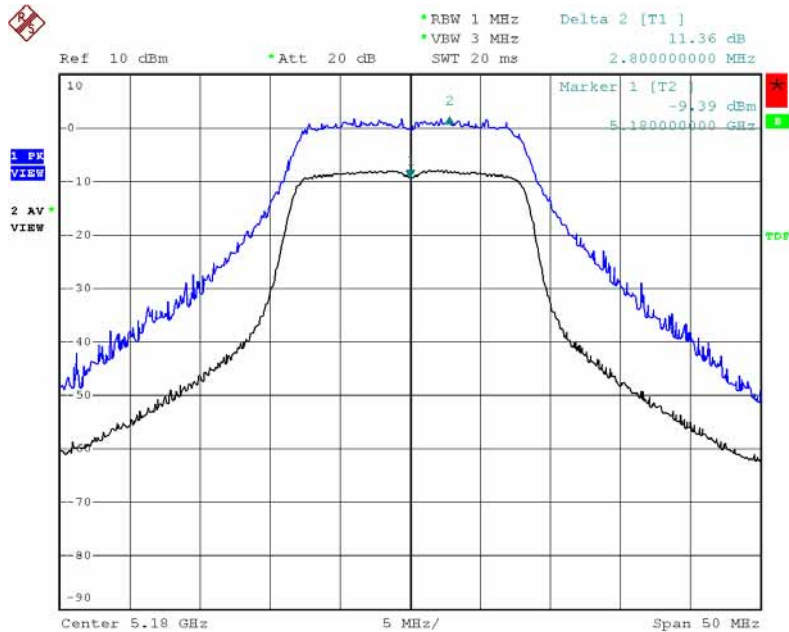
Date: 7.JAN.2008 14:15:34

Modulation Standard: 802.11a (6Mbps) – ANT-L1
 Channel: 48



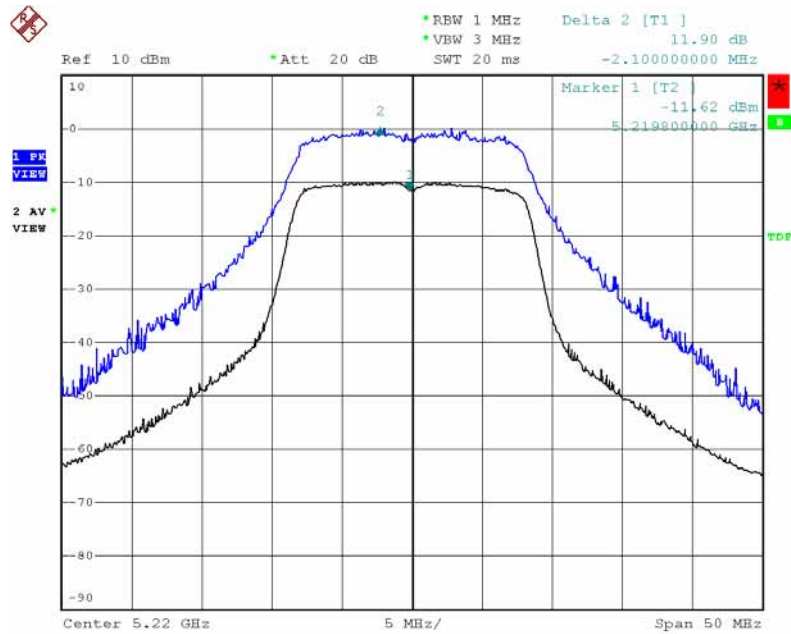
Date: 7.JAN.2008 14:07:39

Modulation Standard: 802.11a (6Mbps) – ANT-L3
 Channel: 36



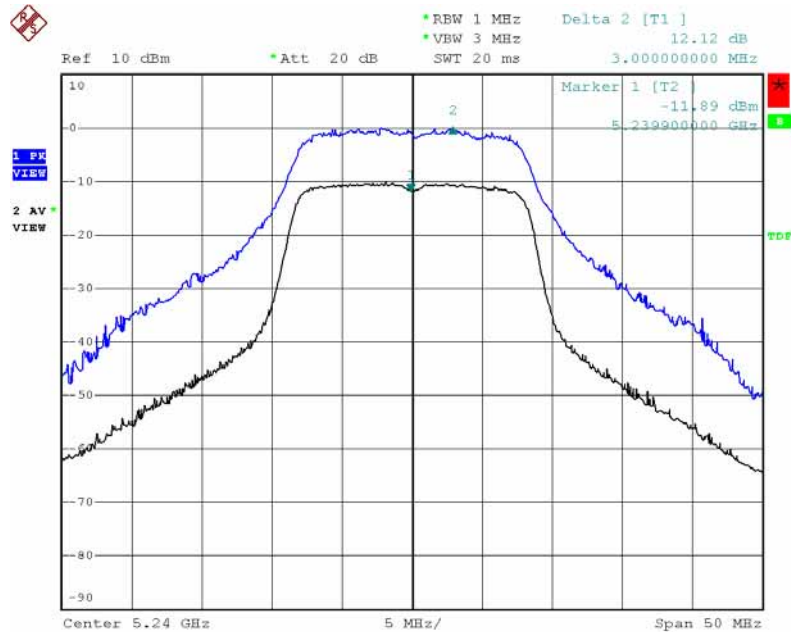
Date: 7.JAN.2008 14:19:05

Modulation Standard: 802.11a (6Mbps) – ANT-L3
 Channel: 44



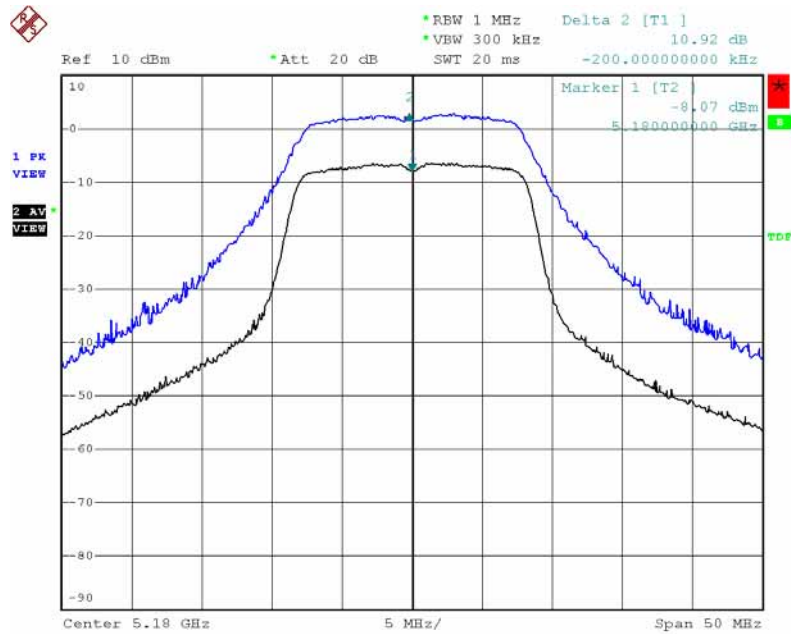
Date: 7.JAN.2008 14:16:29

Modulation Standard: 802.11a (6Mbps) – ANT-L3
 Channel: 48



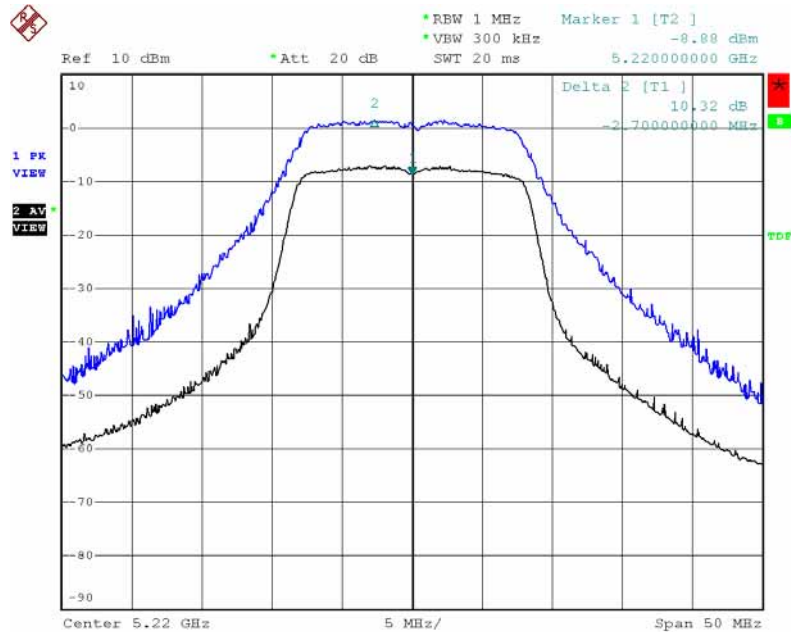
Date: 7.JAN.2008 14:09:16

Modulation Standard: 802.11a (6Mbps) – ANT-R1
 Channel: 36



Date: 7.JAN.2008 14:20:04

Modulation Standard: 802.11a (6Mbps) – ANT-R1
 Channel: 44



Date: 7.JAN.2008 14:12:51