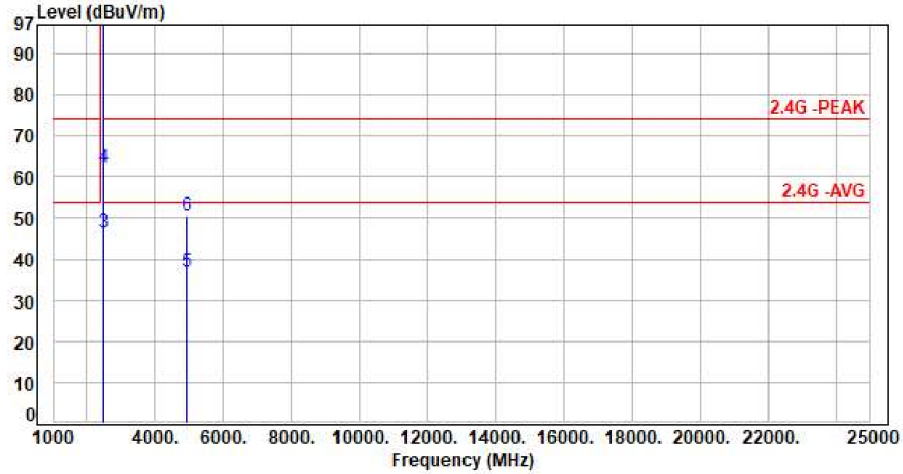




Test Mode : 2TX 11n20 CH11 MCS0
Voltage : From Adapter(AC120V/60Hz)
Pol : Horizontal

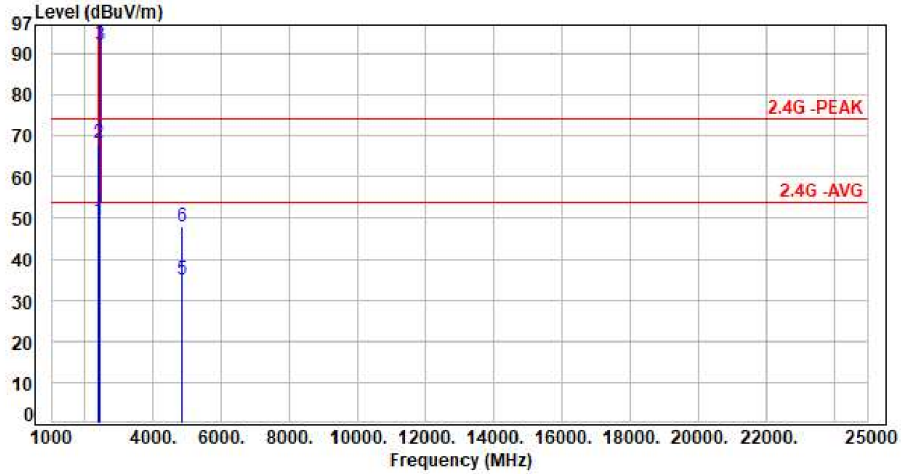


| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|-----|-----------------|-------------|----------------|----------------|----------------|-------------|----------|-------------|---------------|-----|
| 1 | 2462.00 | -2.02 | 99.93 | 97.91 | 200.00 | -102.09 | Average | 294 | 288 | P |
| 2 | 2462.00 | -2.02 | 109.64 | 107.62 | 200.00 | -92.38 | Peak | 294 | 288 | P |
| 3 | 2483.50 | -1.98 | 48.47 | 46.49 | 54.00 | -7.51 | Average | 294 | 288 | P |
| 4 | 2483.50 | -1.98 | 64.29 | 62.31 | 74.00 | -11.69 | Peak | 294 | 288 | P |
| 5 | 4924.00 | 6.48 | 30.26 | 36.74 | 54.00 | -17.26 | Average | 100 | 223 | P |
| 6 | 4924.00 | 6.48 | 44.09 | 50.57 | 74.00 | -23.43 | Peak | 100 | 223 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : 2TX 11n40 CH03 MCS0
Voltage : From Adapter(AC120V/60Hz)
Pol : Vertical

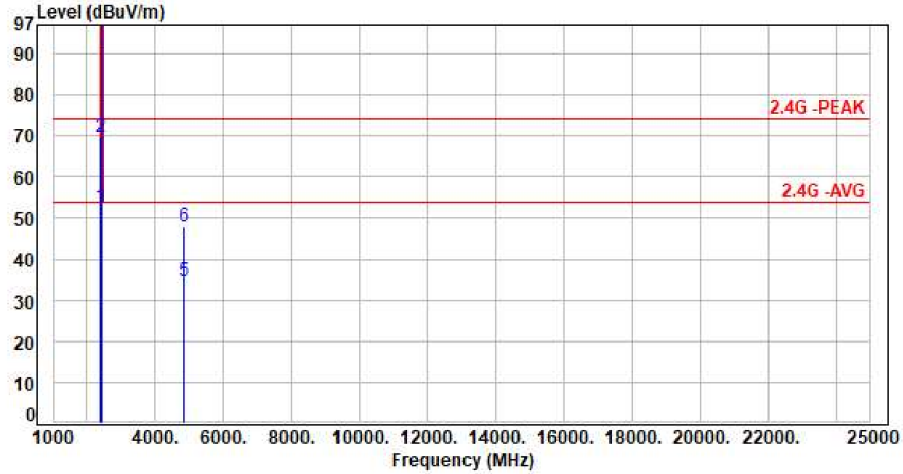


| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|-----|-----------------|-------------|----------------|----------------|----------------|-------------|----------|-------------|---------------|-----|
| 1 | 2390.00 | -2.12 | 51.48 | 49.36 | 54.00 | -4.64 | Average | 289 | 170 | P |
| 2 | 2390.00 | -2.12 | 70.36 | 68.24 | 74.00 | -5.76 | Peak | 289 | 170 | P |
| 3 | 2422.00 | -2.08 | 94.32 | 92.24 | 200.00 | -107.76 | Average | 289 | 170 | P |
| 4 | 2422.00 | -2.08 | 106.60 | 104.52 | 200.00 | -95.48 | Peak | 289 | 170 | P |
| 5 | 4844.00 | 6.23 | 28.69 | 34.92 | 54.00 | -19.08 | Average | 100 | 121 | P |
| 6 | 4844.00 | 6.23 | 41.85 | 48.08 | 74.00 | -25.92 | Peak | 100 | 121 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : 2TX 11n40 CH03 MCS0
Voltage : From Adapter(AC120V/60Hz)
Pol : Horizontal

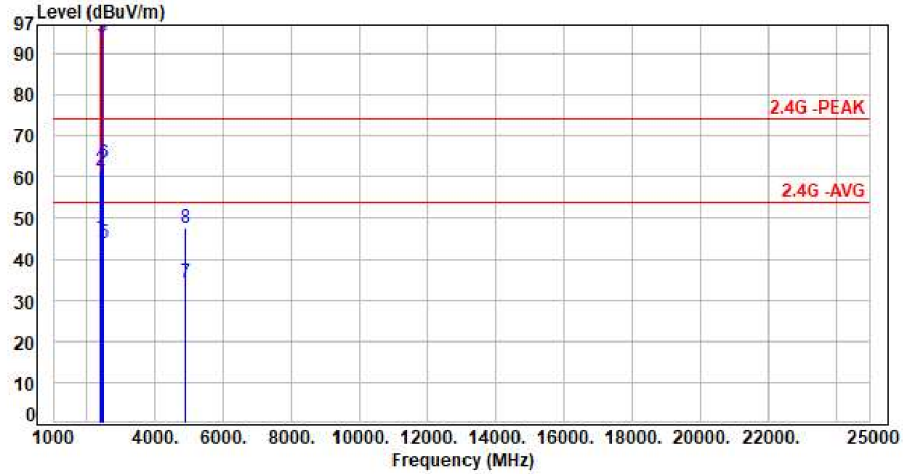


| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|-----|-----------------|-------------|----------------|----------------|----------------|-------------|----------|-------------|---------------|-----|
| 1 | 2390.00 | -2.12 | 54.69 | 52.57 | 54.00 | -1.43 | Average | 142 | 76 | P |
| 2 | 2390.00 | -2.12 | 71.81 | 69.69 | 74.00 | -4.31 | Peak | 142 | 76 | P |
| 3 | 2422.00 | -2.08 | 98.95 | 96.87 | 200.00 | -103.13 | Average | 142 | 76 | P |
| 4 | 2422.00 | -2.08 | 108.40 | 106.32 | 200.00 | -93.68 | Peak | 142 | 76 | P |
| 5 | 4844.00 | 6.23 | 28.57 | 34.80 | 54.00 | -19.20 | Average | 100 | 132 | P |
| 6 | 4844.00 | 6.23 | 41.76 | 47.99 | 74.00 | -26.01 | Peak | 100 | 132 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : 2TX 11n40 CH06 MCS0
Voltage : From Adapter(AC120V/60Hz)
Pol : Vertical

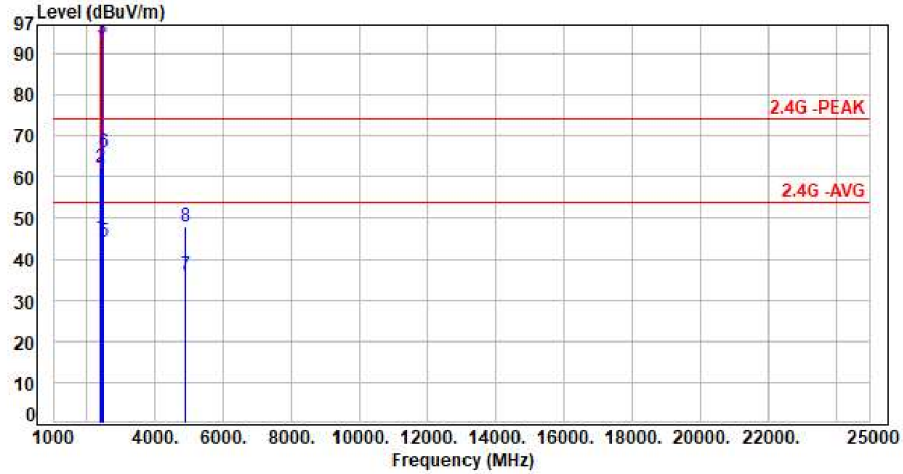


| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|-----|-----------------|-------------|----------------|----------------|----------------|-------------|----------|-------------|---------------|-----|
| 1 | 2390.00 | -2.12 | 47.40 | 45.28 | 54.00 | -8.72 | Average | 293 | 174 | P |
| 2 | 2390.00 | -2.12 | 63.80 | 61.68 | 74.00 | -12.32 | Peak | 293 | 174 | P |
| 3 | 2437.00 | -2.07 | 96.07 | 94.00 | 200.00 | -106.00 | Average | 293 | 174 | P |
| 4 | 2437.00 | -2.07 | 105.22 | 103.15 | 200.00 | -96.85 | Peak | 293 | 174 | P |
| 5 | 2483.50 | -1.98 | 45.86 | 43.88 | 54.00 | -10.12 | Average | 293 | 174 | P |
| 6 | 2483.50 | -1.98 | 65.60 | 63.62 | 74.00 | -10.38 | Peak | 293 | 174 | P |
| 7 | 4874.00 | 6.36 | 28.07 | 34.43 | 54.00 | -19.57 | Average | 100 | 142 | P |
| 8 | 4874.00 | 6.36 | 41.31 | 47.67 | 74.00 | -26.33 | Peak | 100 | 142 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : 2TX 11n40 CH06 MCS0
 Voltage : From Adapter(AC120V/60Hz)
 Pol : Horizontal

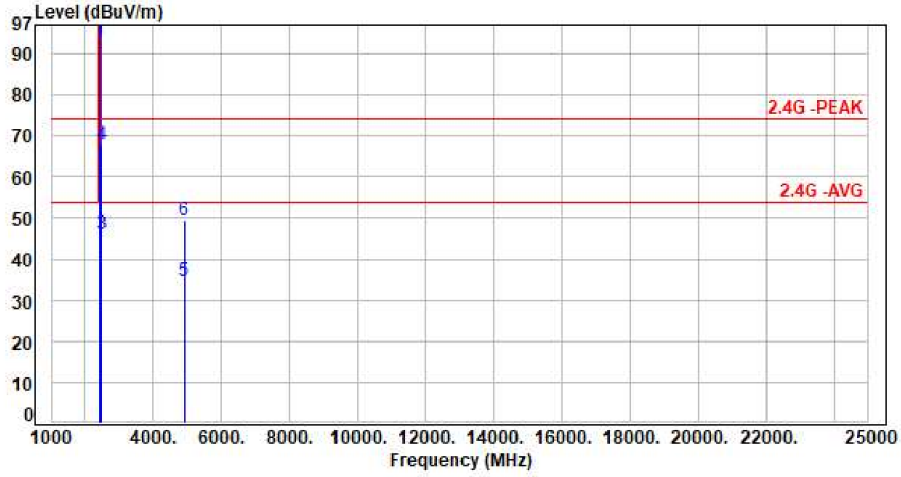


| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|-----|-----------------|-------------|----------------|----------------|----------------|-------------|----------|-------------|---------------|-----|
| 1 | 2390.00 | -2.12 | 47.37 | 45.25 | 54.00 | -8.75 | Average | 333 | 294 | P |
| 2 | 2390.00 | -2.12 | 64.34 | 62.22 | 74.00 | -11.78 | Peak | 333 | 294 | P |
| 3 | 2437.00 | -2.07 | 95.83 | 93.76 | 200.00 | -106.24 | Average | 333 | 294 | P |
| 4 | 2437.00 | -2.07 | 107.16 | 105.09 | 200.00 | -94.91 | Peak | 333 | 294 | P |
| 5 | 2483.50 | -1.98 | 46.27 | 44.29 | 54.00 | -9.71 | Average | 333 | 294 | P |
| 6 | 2483.50 | -1.98 | 67.93 | 65.95 | 74.00 | -8.05 | Peak | 333 | 294 | P |
| 7 | 4874.00 | 6.36 | 29.74 | 36.10 | 54.00 | -17.90 | Average | 100 | 121 | P |
| 8 | 4874.00 | 6.36 | 41.57 | 47.93 | 74.00 | -26.07 | Peak | 100 | 121 | P |

Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : 2TX 11n40 CH09 MCS0
Voltage : From Adapter(AC120V/60Hz)
Pol : Vertical

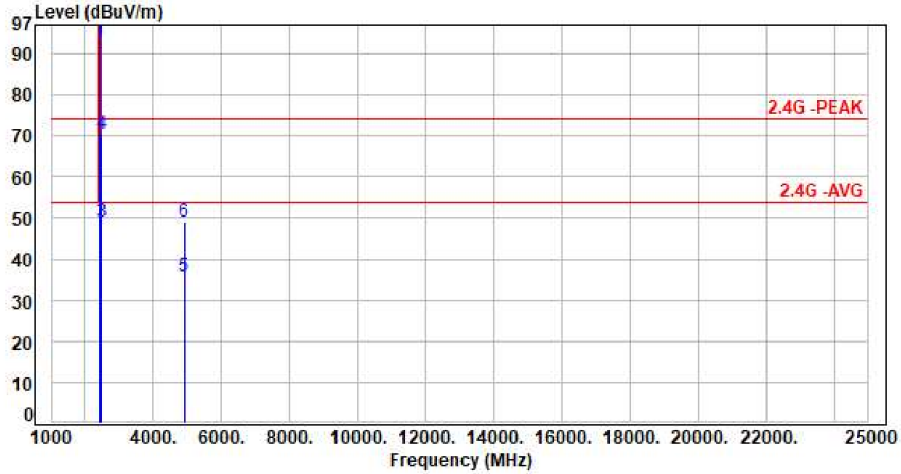


| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|-----|-----------------|-------------|----------------|----------------|----------------|-------------|----------|-------------|---------------|-----|
| 1 | 2452.00 | -2.05 | 95.44 | 93.39 | 200.00 | -106.61 | Average | 269 | 171 | P |
| 2 | 2452.00 | -2.05 | 105.36 | 103.31 | 200.00 | -96.69 | Peak | 269 | 171 | P |
| 3 | 2483.50 | -1.98 | 48.02 | 46.04 | 54.00 | -7.96 | Average | 269 | 171 | P |
| 4 | 2483.50 | -1.98 | 69.97 | 67.99 | 74.00 | -6.01 | Peak | 269 | 171 | P |
| 5 | 4904.00 | 6.46 | 28.13 | 34.59 | 54.00 | -19.41 | Average | 100 | 162 | P |
| 6 | 4904.00 | 6.46 | 42.83 | 49.29 | 74.00 | -24.71 | Peak | 100 | 162 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : 2TX 11n40 CH09 MCS0
Voltage : From Adapter(AC120V/60Hz)
Pol : Horizontal



| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|-----|-----------------|-------------|----------------|----------------|----------------|-------------|----------|-------------|---------------|-----|
| 1 | 2452.00 | -2.05 | 95.54 | 93.49 | 200.00 | -106.51 | Average | 148 | 80 | P |
| 2 | 2452.00 | -2.05 | 107.28 | 105.23 | 200.00 | -94.77 | Peak | 148 | 80 | P |
| 3 | 2483.50 | -1.98 | 51.14 | 49.16 | 54.00 | -4.84 | Average | 148 | 80 | P |
| 4 | 2483.50 | -1.98 | 72.35 | 70.37 | 74.00 | -3.63 | Peak | 148 | 80 | P |
| 5 | 4904.00 | 6.46 | 29.29 | 35.75 | 54.00 | -18.25 | Average | 100 | 125 | P |
| 6 | 4904.00 | 6.46 | 42.66 | 49.12 | 74.00 | -24.88 | Peak | 100 | 125 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



6.7 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



7. Test of Conducted Spurious Emission

7.1 Test Limit

According to the methods defined in ANSI C63.10-2013 Section 11.11.1

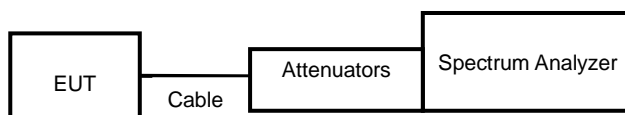
Below -30dB of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

7.2 Test Procedure

According to the methods defined in ANSI C63.10-2013 Section 11.11.2 & 11.11.3

- a. The transmitter output was connected to the spectrum analyzer via a low loss cable.
- b. Set RBW of spectrum analyzer to 100 KHz and VBW of spectrum analyzer to 300 KHz with convenient frequency span including 100 KHz bandwidth from band edge.
- c. Peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 30dB relative to the maximum measured in-band peak PSD level.
- d. The band edges was measured and recorded.

7.3 Test Setup Layout



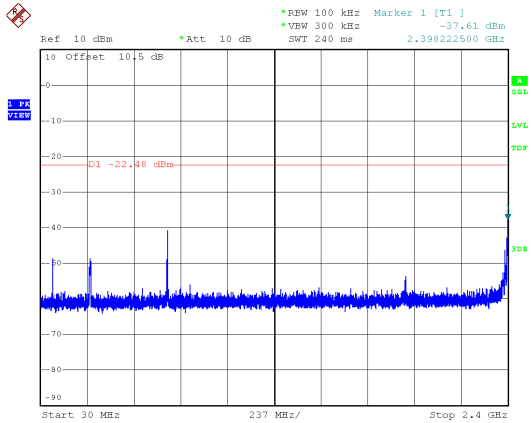
7.4 Test Result and Data

Note: Test plots refers to the following pages.

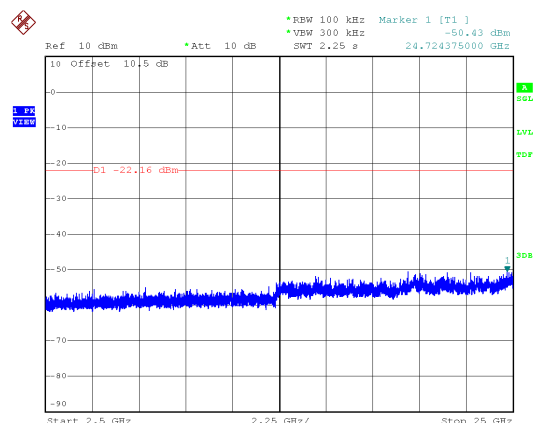
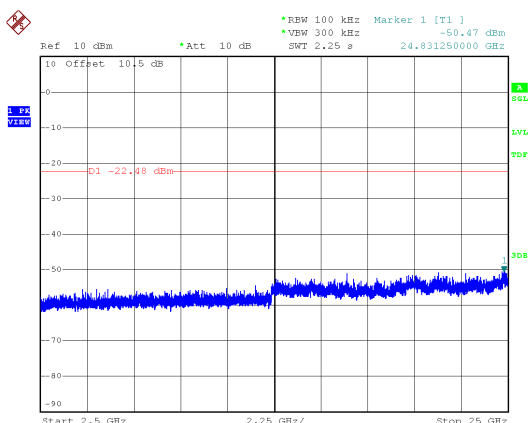
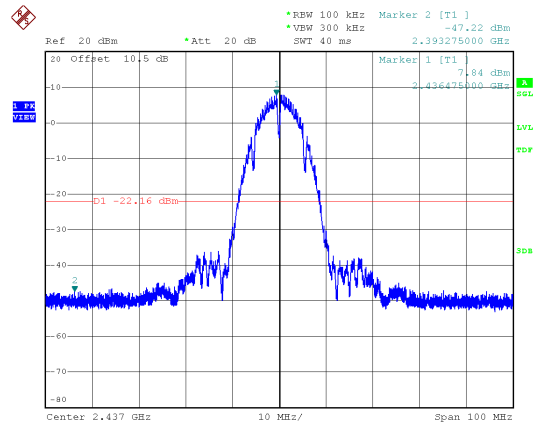
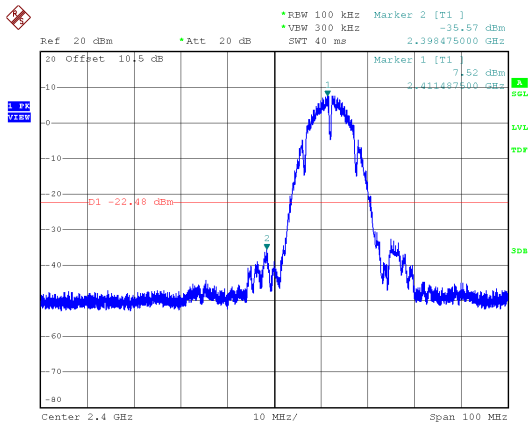
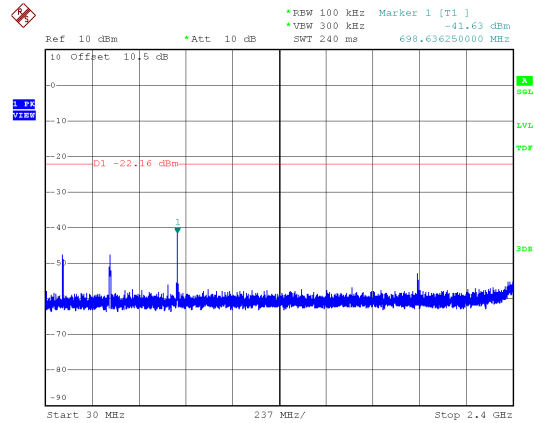


ANT A

Modulation Type: 802.11b, CH 01

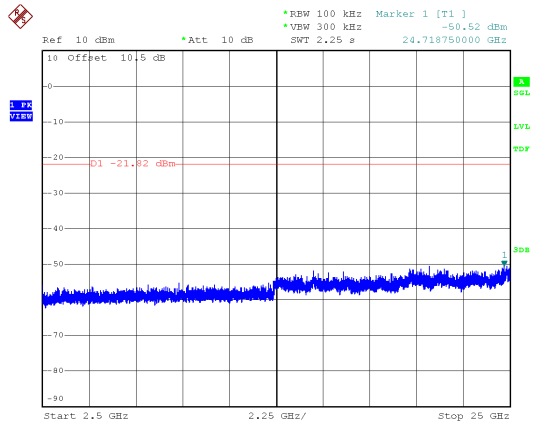
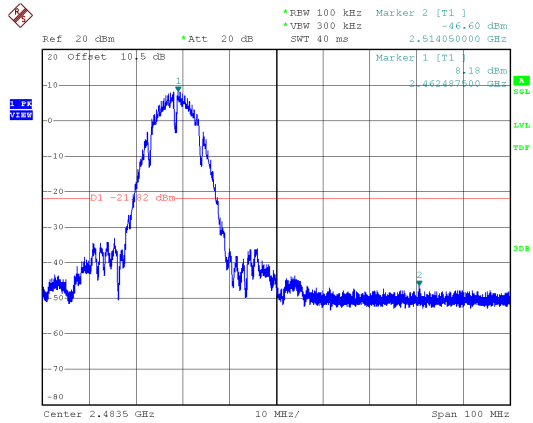
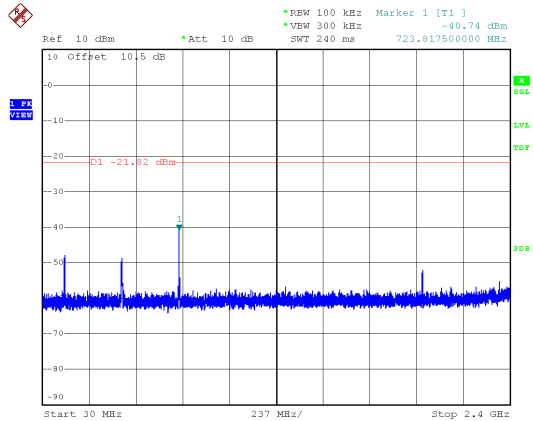


Modulation Type: 802.11b, CH 06



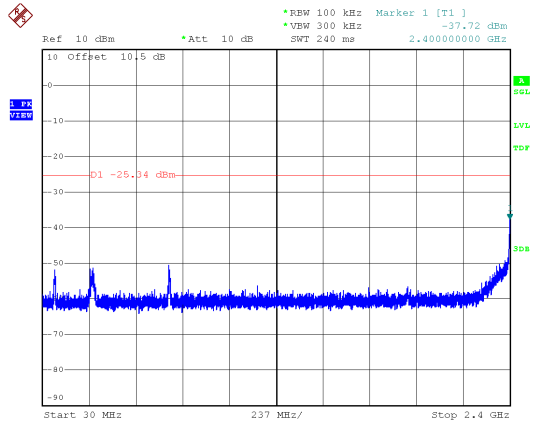


Modulation Type: 802.11b, CH 11

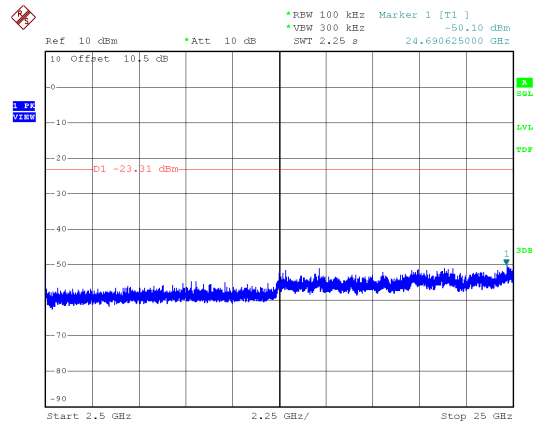
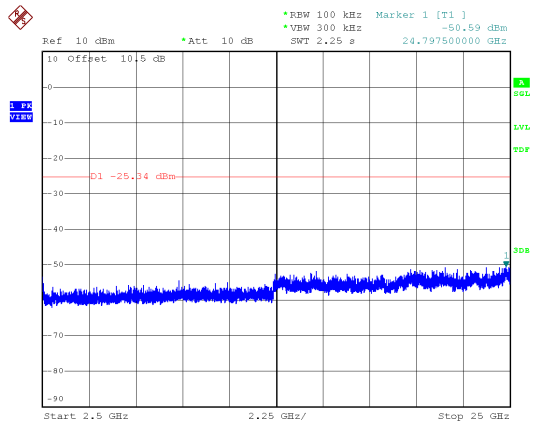
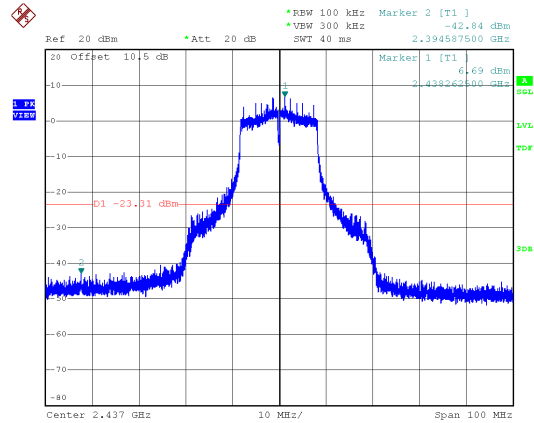
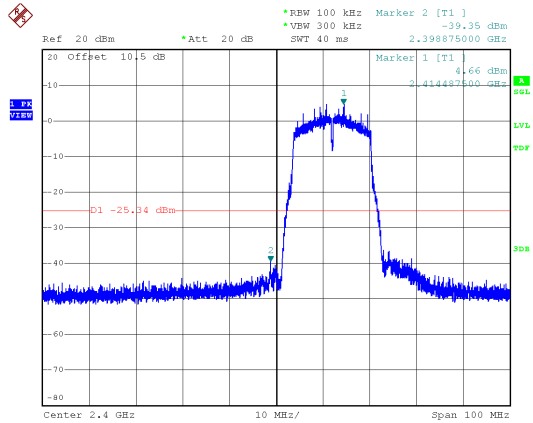
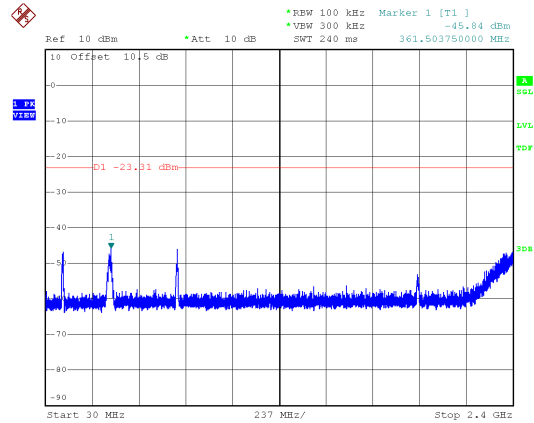




Modulation Type: 802.11g, CH 01

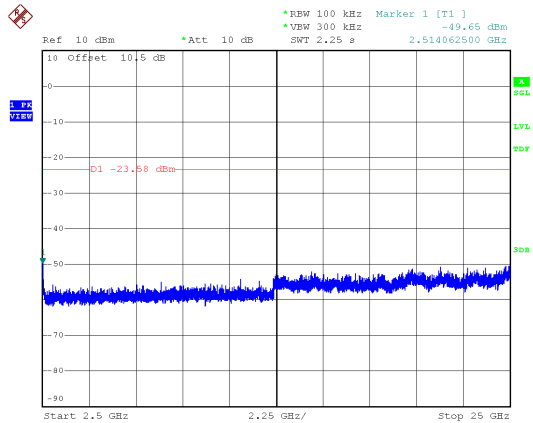
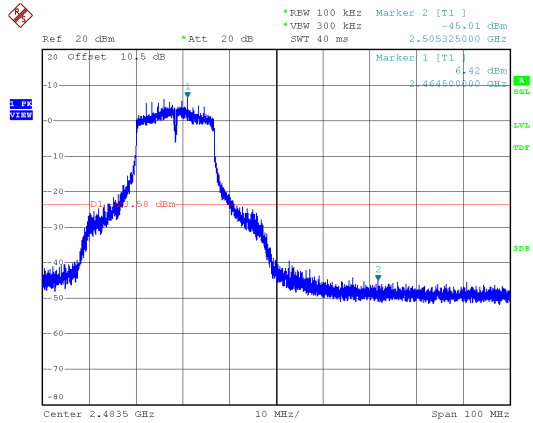
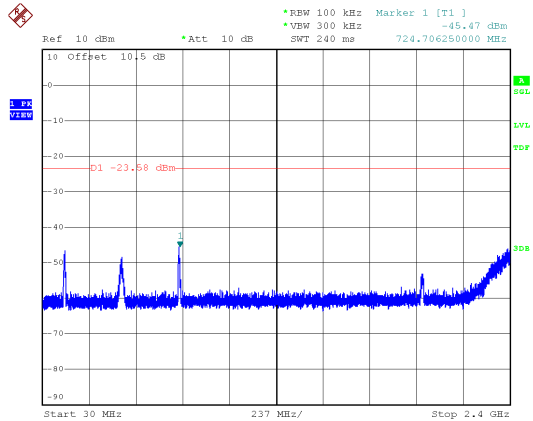


Modulation Type: 802.11g, CH 06



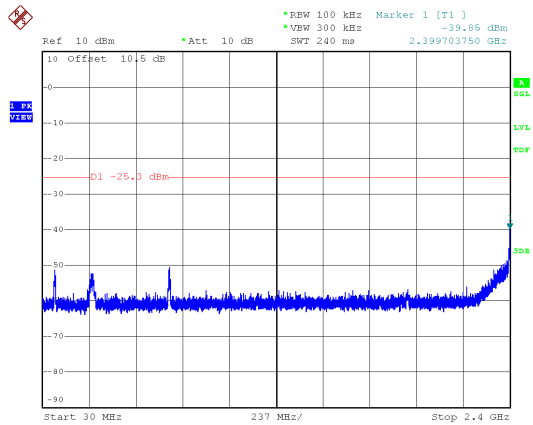


Modulation Type: 802.11g, CH 11

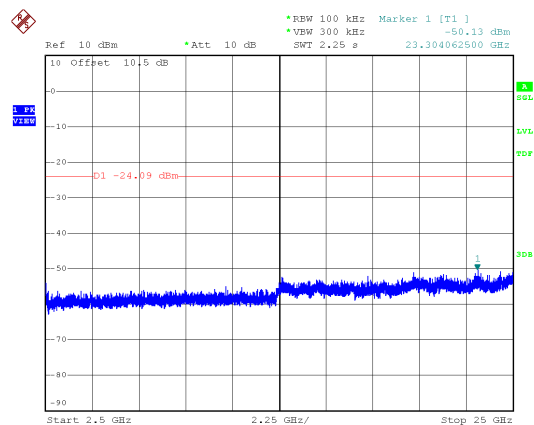
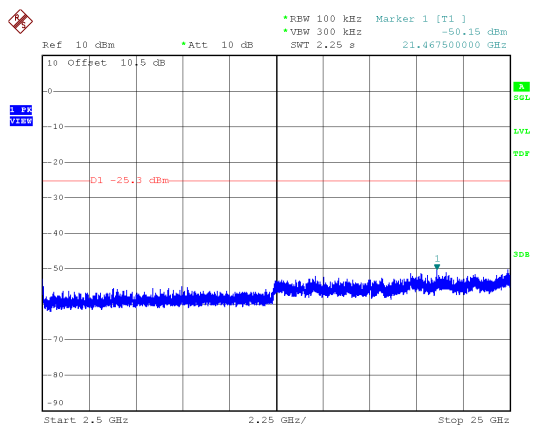
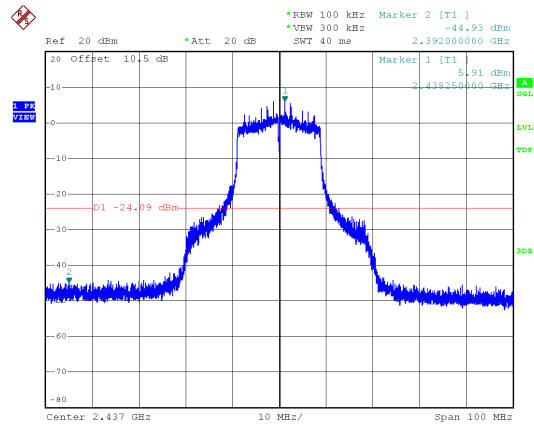
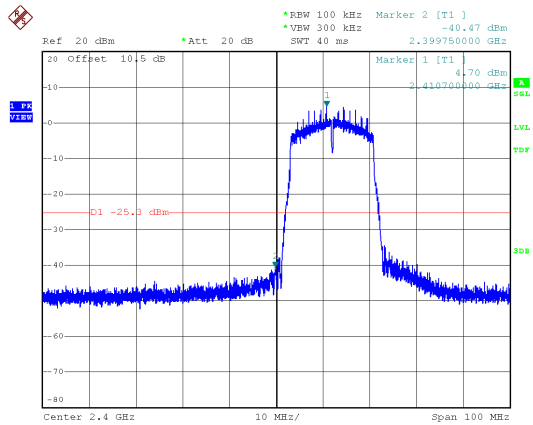
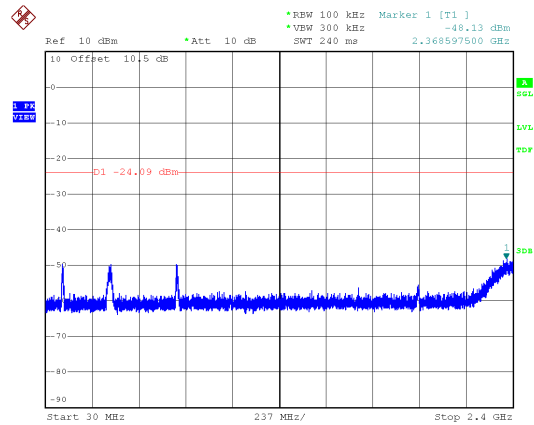




Modulation Type: 802.11n HT20, CH01

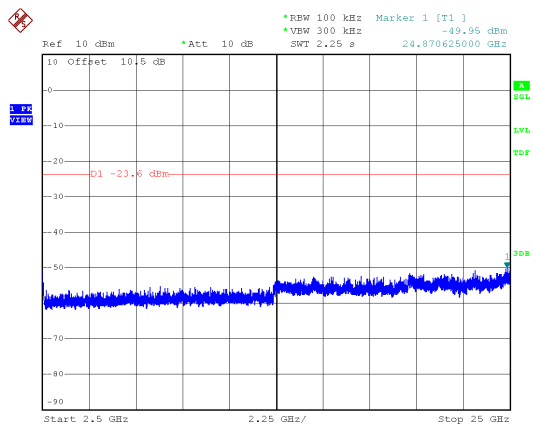
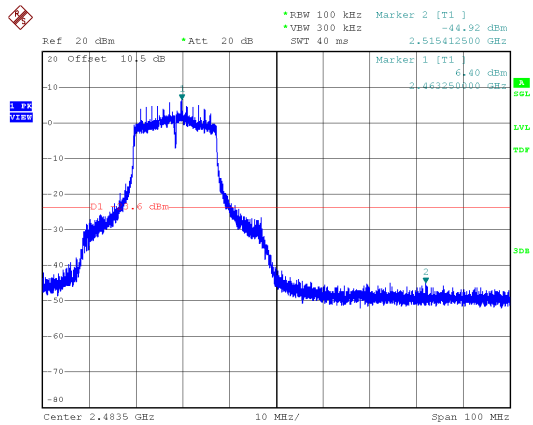
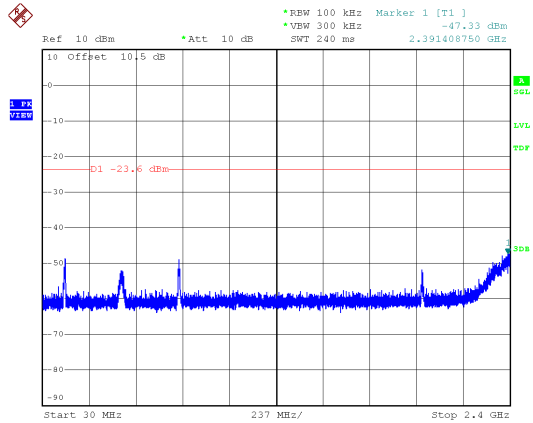


Modulation Type: 802.11n HT20, CH06



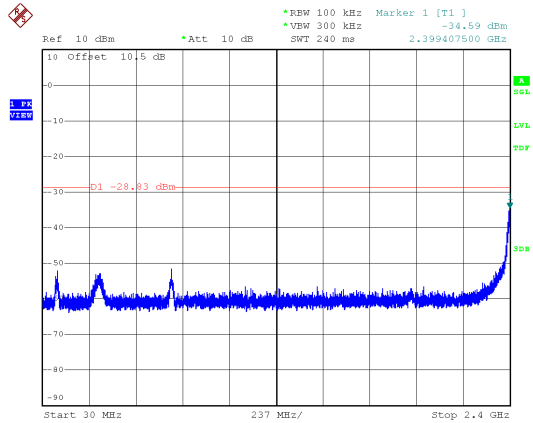


Modulation Type: 802.11n HT20, CH11

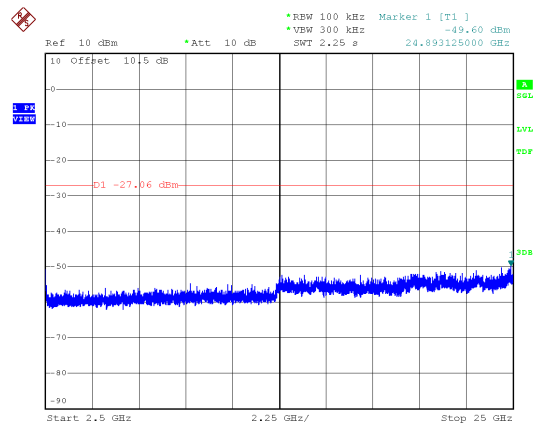
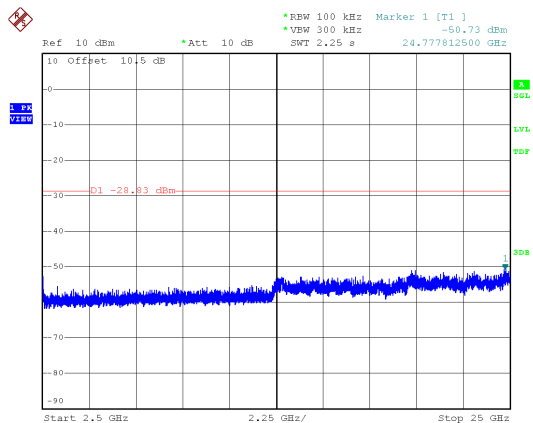
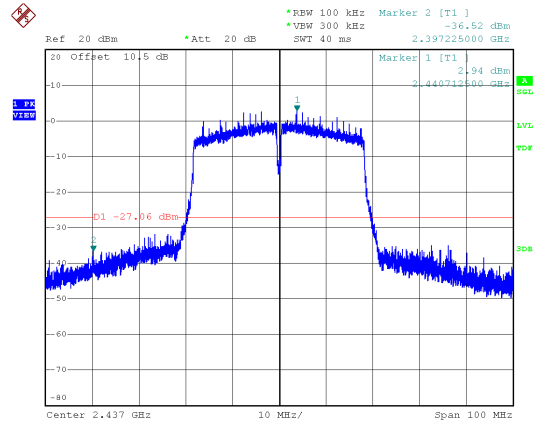
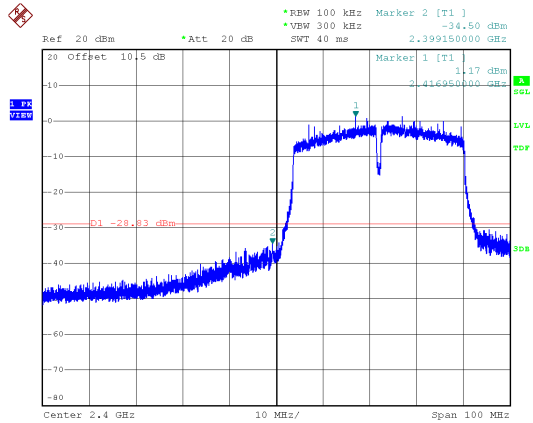
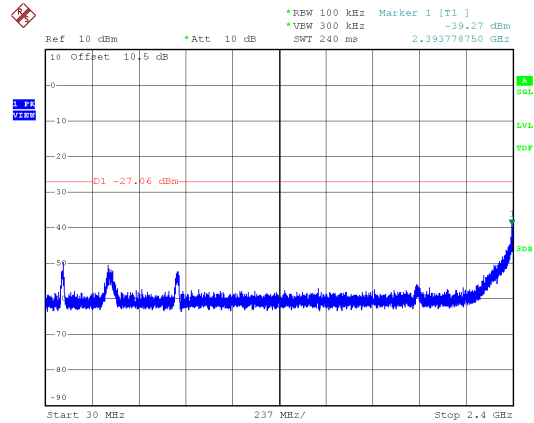




Modulation Type: 802.11n HT40, CH03

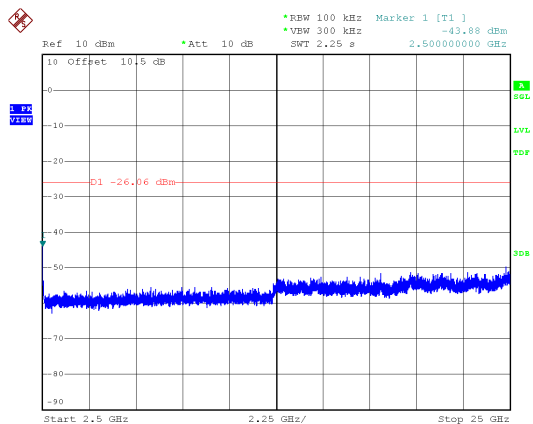
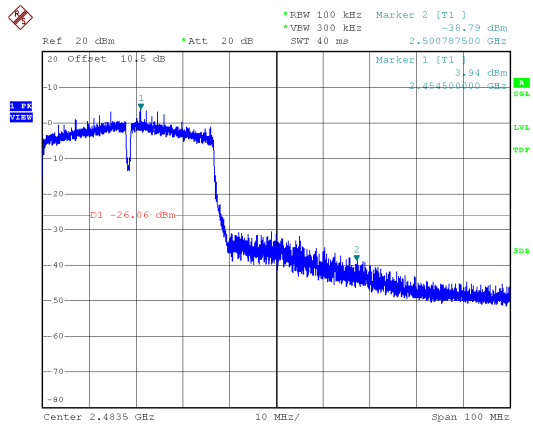
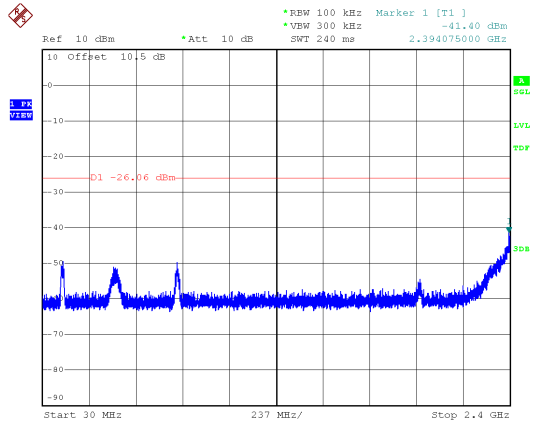


Modulation Type: 802.11n HT40, CH06





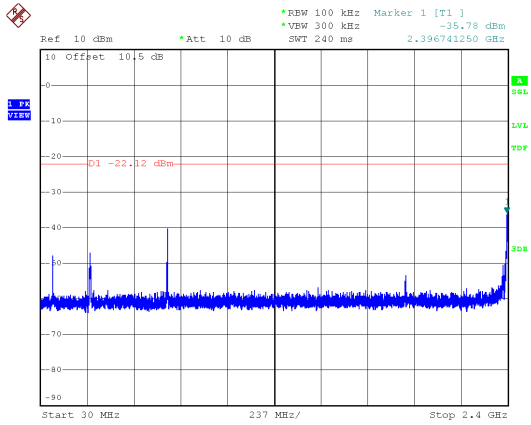
Modulation Type: 802.11n HT40, CH09



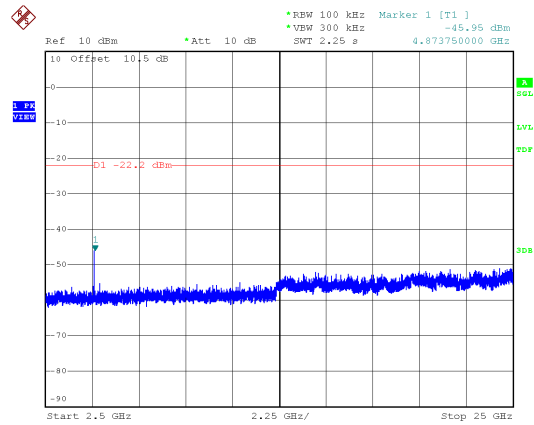
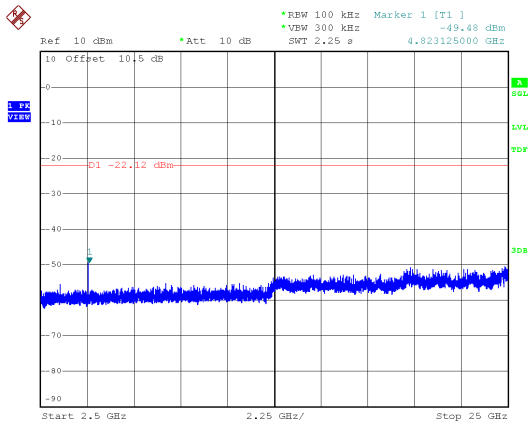
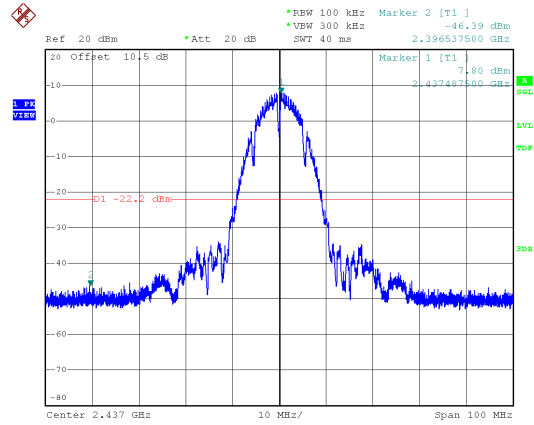
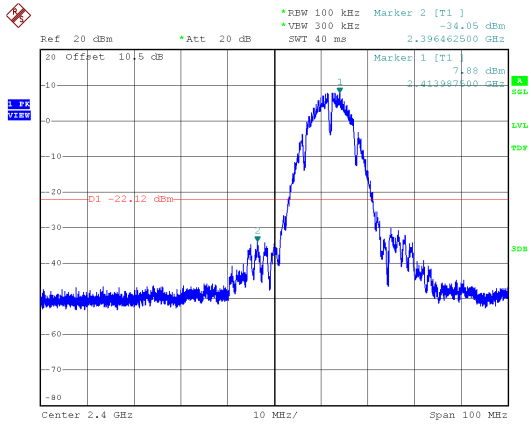
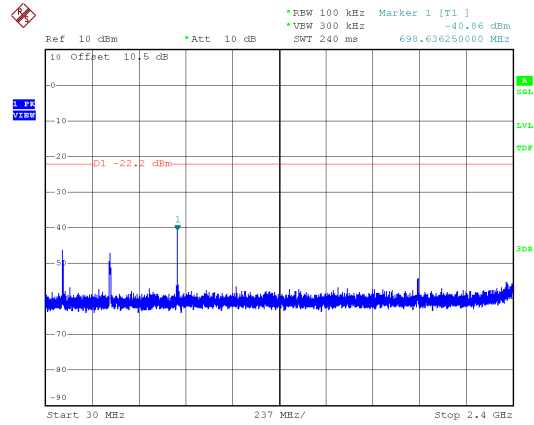


ANT B

Modulation Type: 802.11b, CH 01

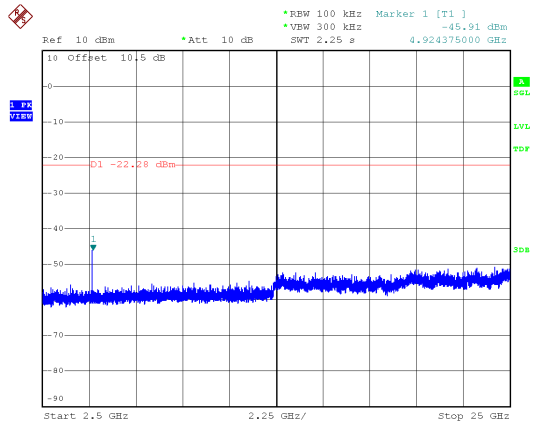
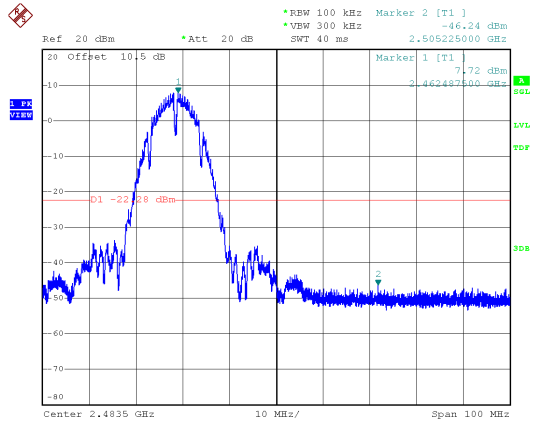
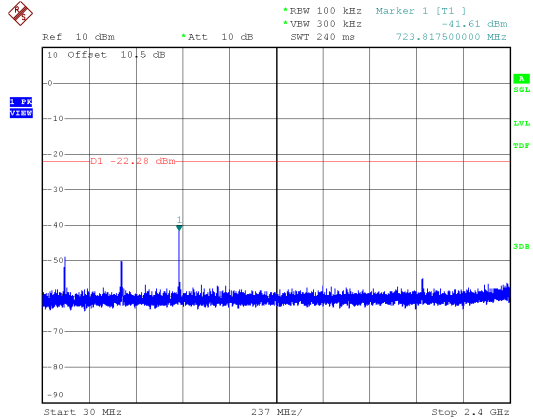


Modulation Type: 802.11b, CH 06



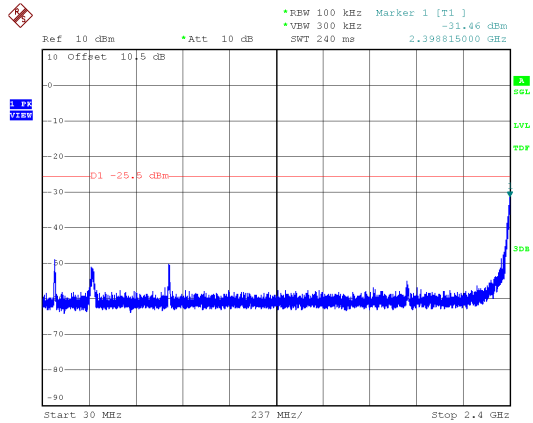


Modulation Type: 802.11b, CH 11

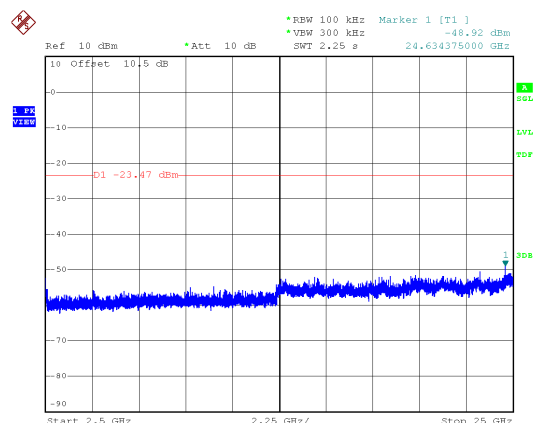
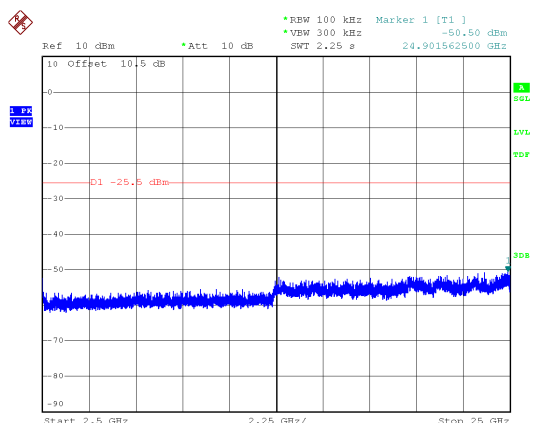
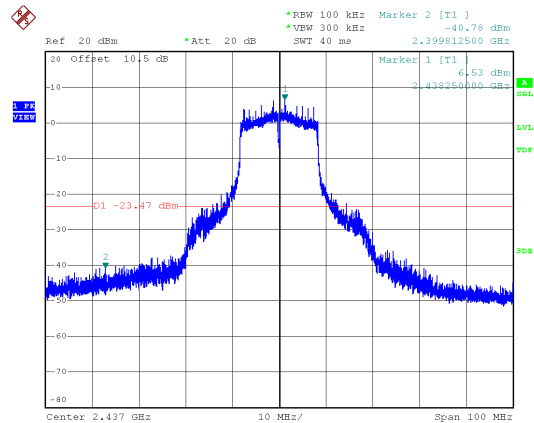
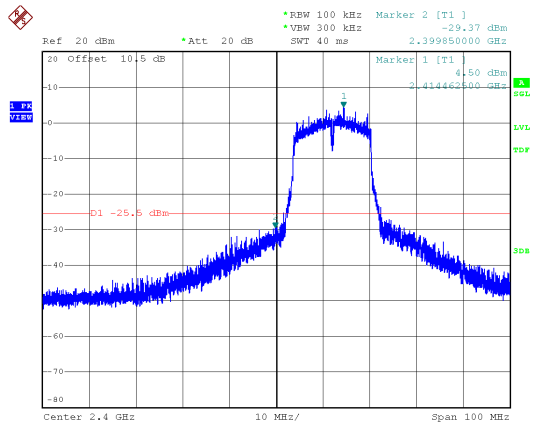
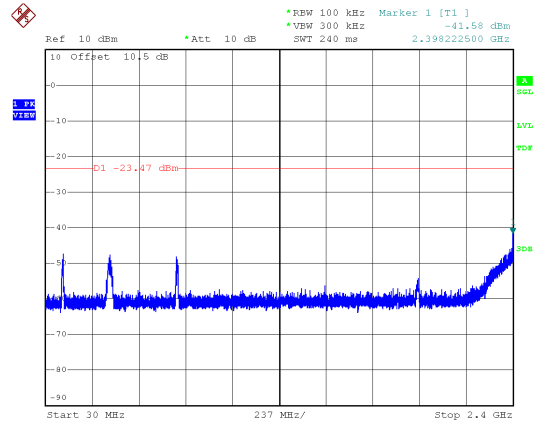




Modulation Type: 802.11g, CH 01

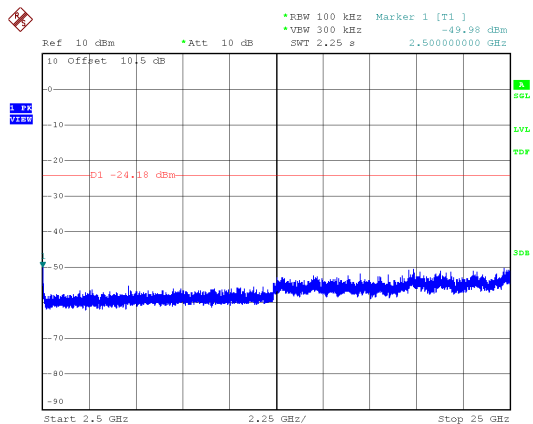
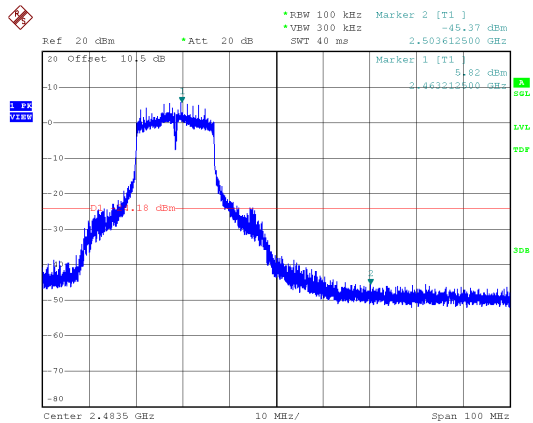
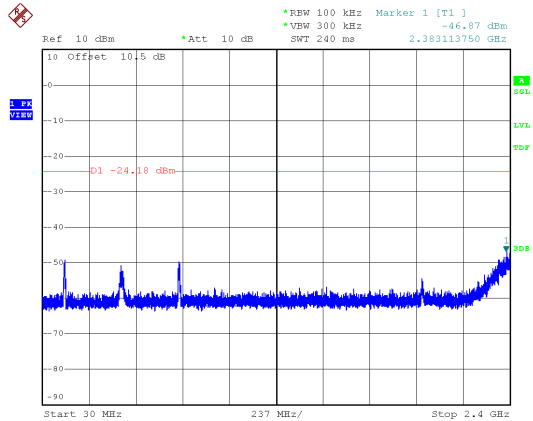


Modulation Type: 802.11g, CH 06



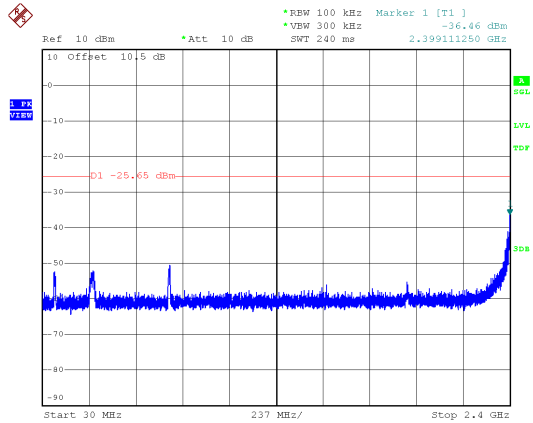


Modulation Type: 802.11g, CH 11

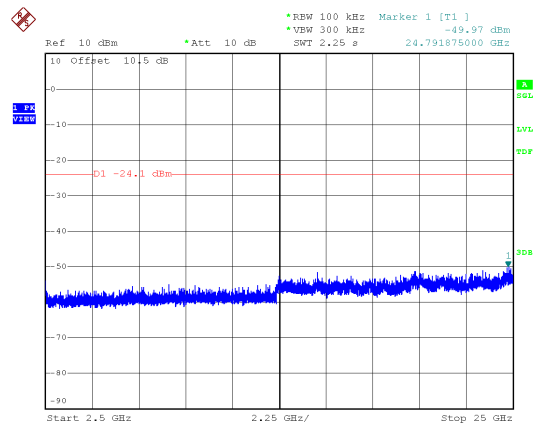
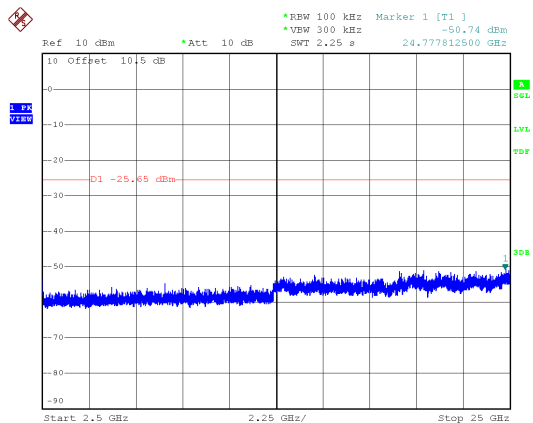
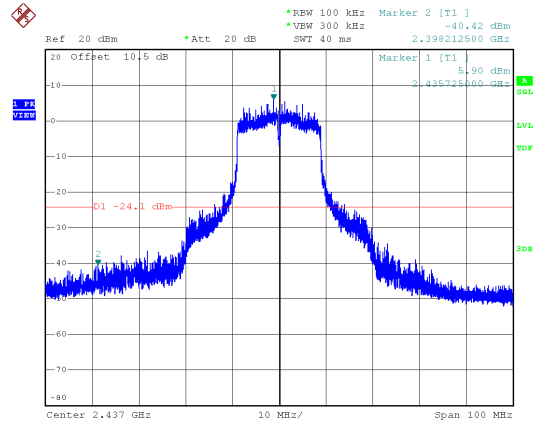
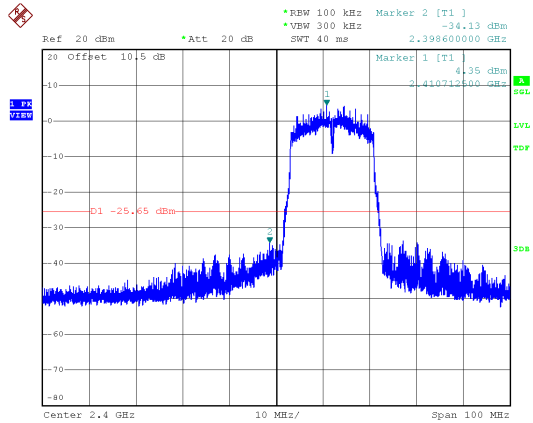
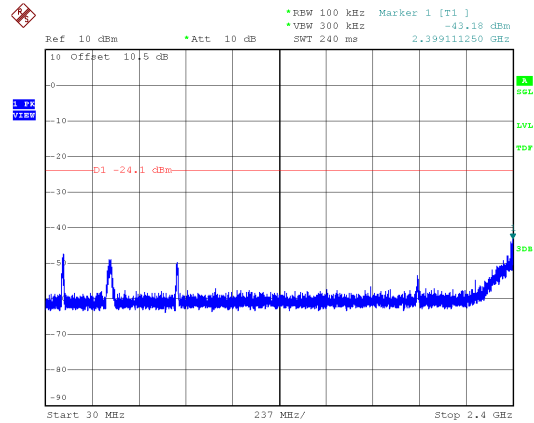




Modulation Type: 802.11n HT20, CH01

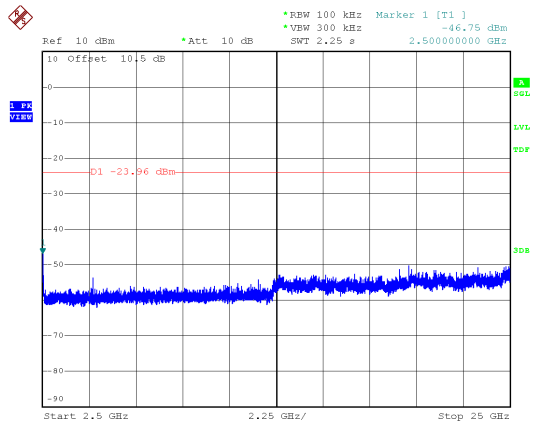
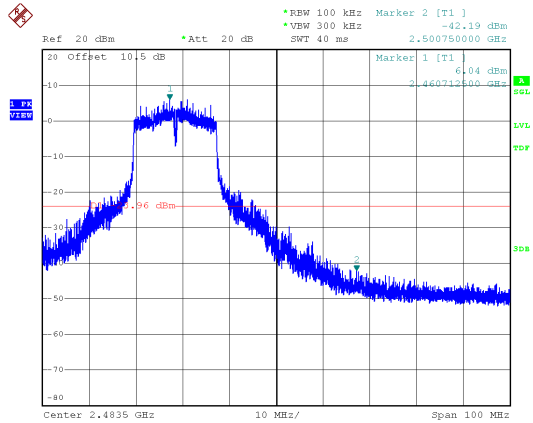
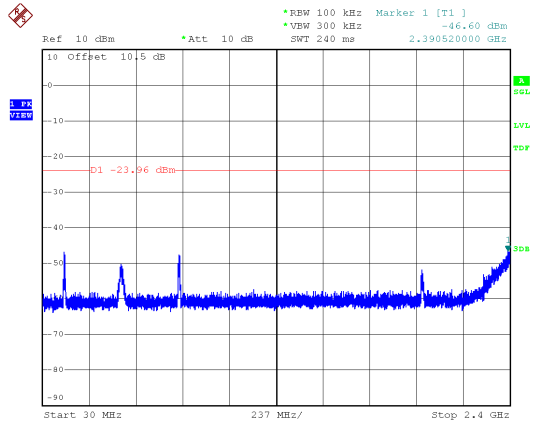


Modulation Type: 802.11n HT20, CH06



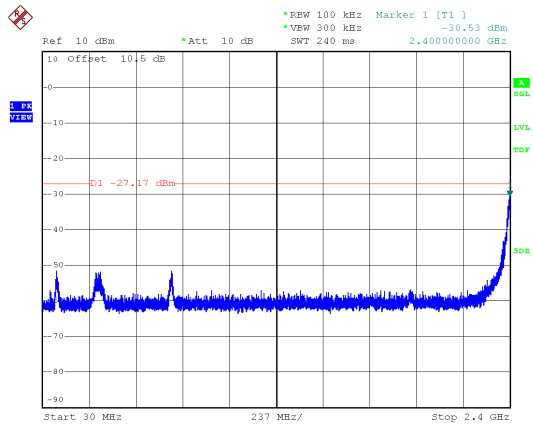


Modulation Type: 802.11n HT20, CH11

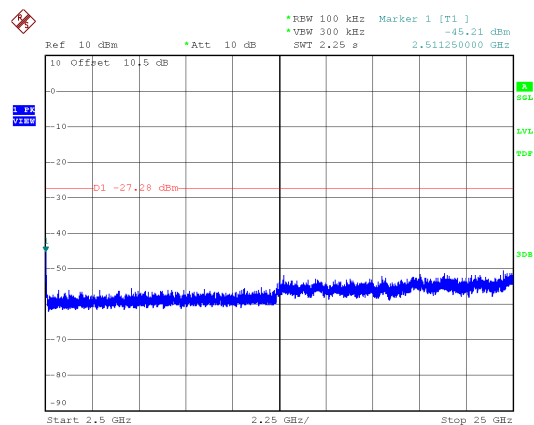
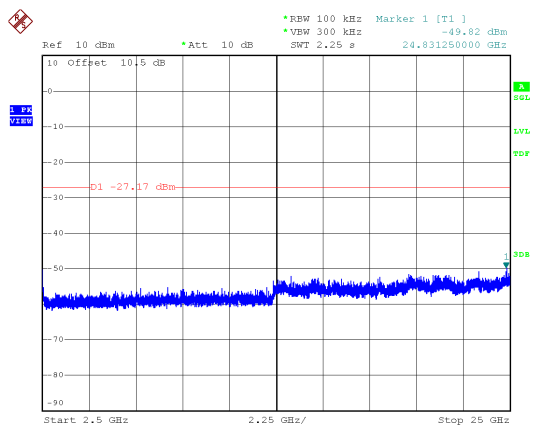
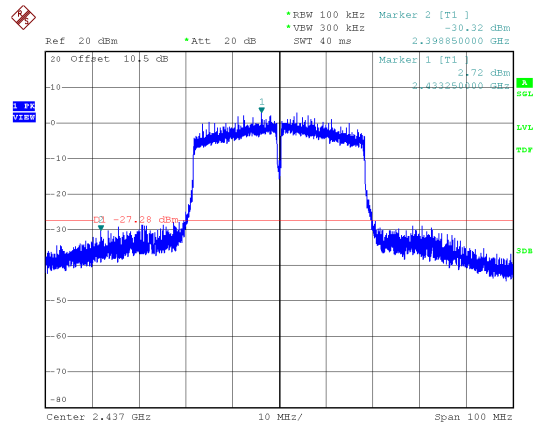
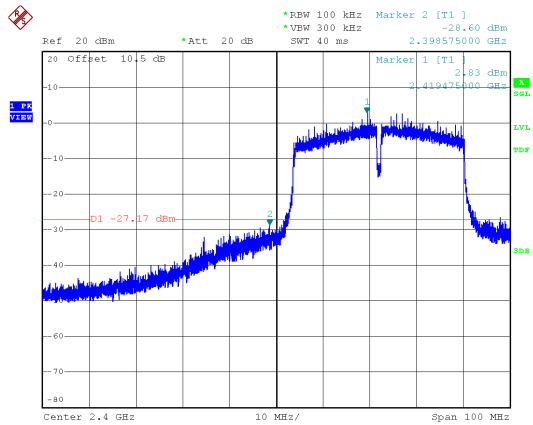
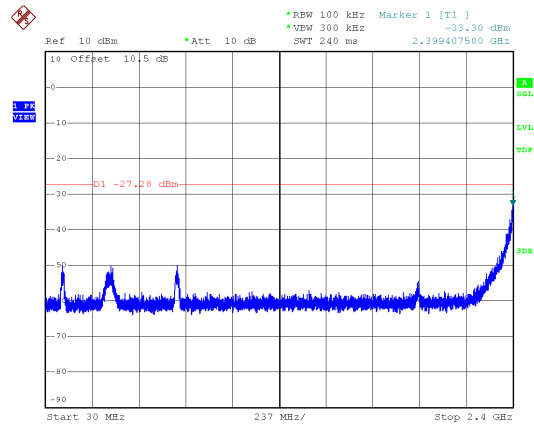




Modulation Type: 802.11n HT40, CH03

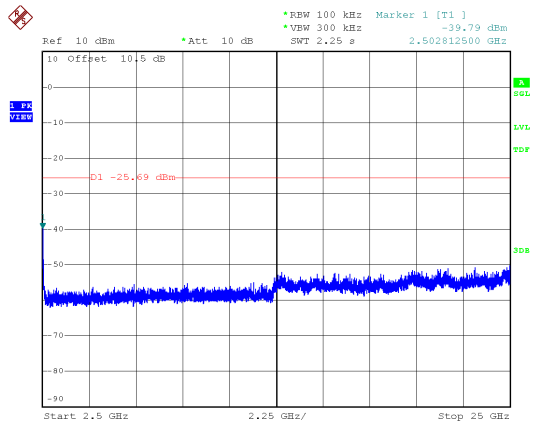
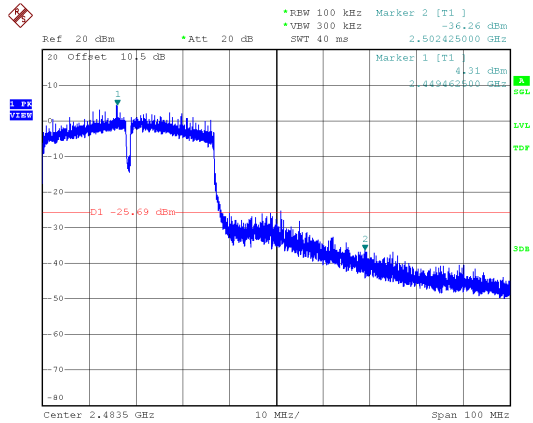
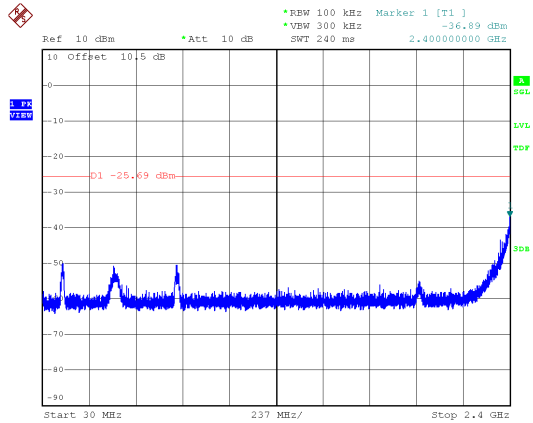


Modulation Type: 802.11n HT40, CH06





Modulation Type: 802.11n HT40, CH09





8. On Time, Duty Cycle and Measurement methods

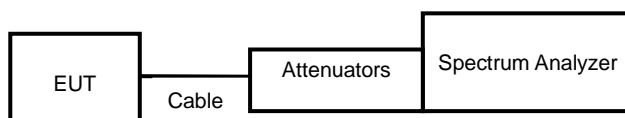
8.1 Test Limit

None; for reporting purposes only.

8.2 Test Procedure

According to the methods defined in ANSI C63.10-2013 Section 11.6
Zero-Span Spectrum Analyzer Method.

8.3 Test Setup Layout

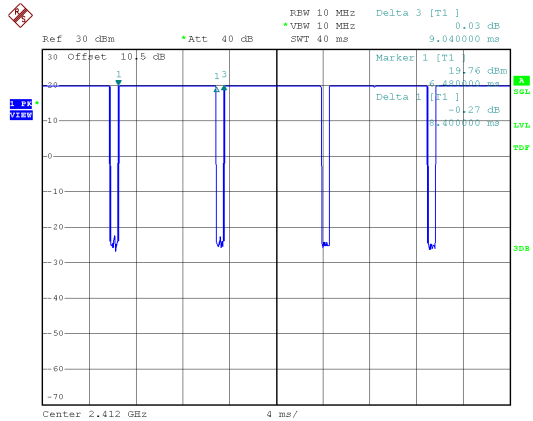


8.4 Test Result and Data

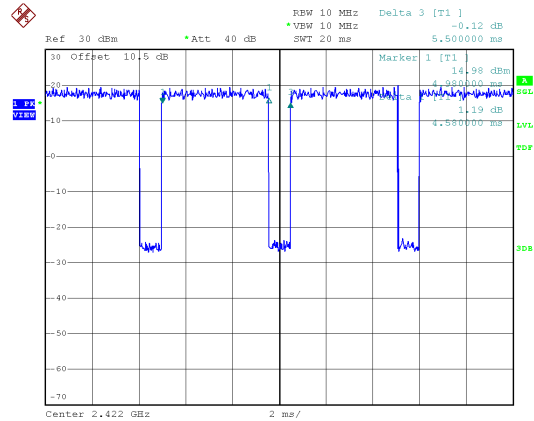
| Modulation Type | On Time (msec) | Period Time (msec) | Duty Cycle (%) |
|-----------------|----------------|--------------------|----------------|
| 11b,1M | 8.40 | 9.04 | 92.92% |
| 11g,6M | 1.40 | 2.05 | 68.40% |
| 11n HT20 | 1.30 | 1.97 | 66.33% |
| 11n HT40 | 4.58 | 5.50 | 83.27% |



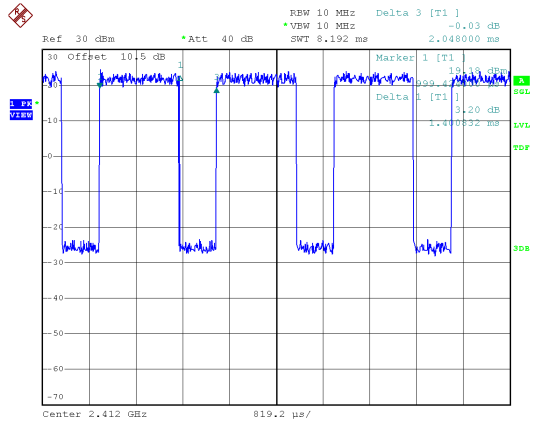
Modulation Type: 802.11b(1Mbps)



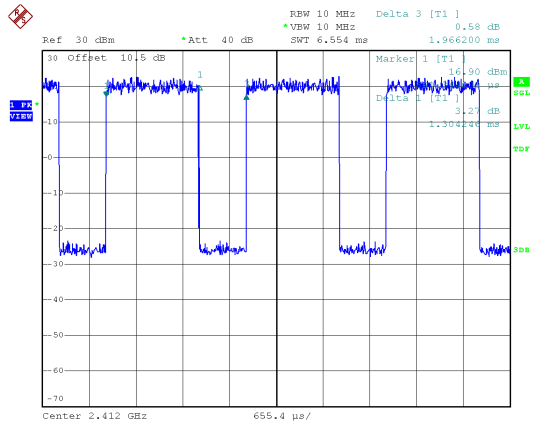
Modulation Type: 802.11n HT40(13.5Mbps)



Modulation Type: 802.11g(6Mbps)



Modulation Type: 802.11n HT20(6.5Mbps)





9. 6dB Bandwidth Measurement Data

9.1 Test Limit

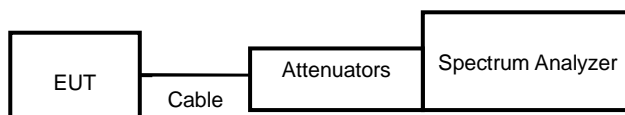
The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

9.2 Test Procedures

According to the methods defined in ANSI C63.10-2013 Section 11.8

- a. The transmitter output was connected to the spectrum analyzer.
- b. Set RBW of spectrum analyzer to 100 KHz and VBW to 300 KHz.
- c. The 6 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6 dB.
- d. The 6dB Bandwidth was measured and recorded.

9.3 Test Setup Layout



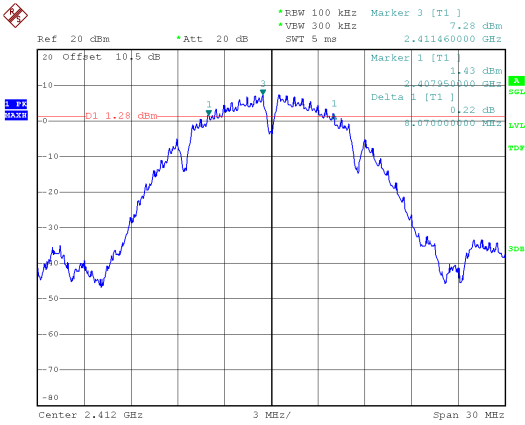


9.4 Test Result and Data

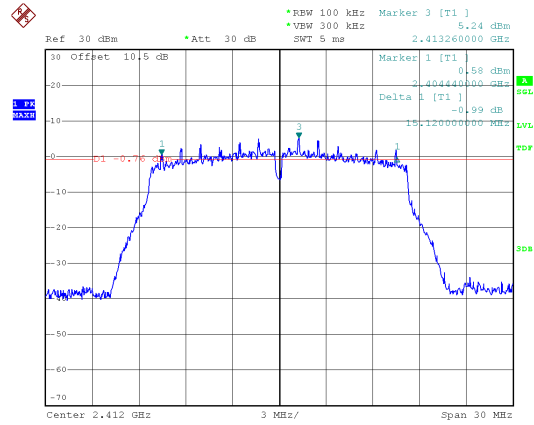
| Modulation Type | Channel | Frequency (MHz) | 6dB Bandwidth (MHz) | | Limit (MHz) |
|-----------------|---------|-----------------|---------------------|-------|-------------|
| | | | ANT A | ANT B | |
| 11b | 1 | 2412 | 8.07 | 8.07 | 0.5 |
| | 6 | 2437 | 8.07 | 9.03 | 0.5 |
| | 11 | 2462 | 8.07 | 8.07 | 0.5 |
| 11g | 1 | 2412 | 15.12 | 15.12 | 0.5 |
| | 6 | 2437 | 15.45 | 16.29 | 0.5 |
| | 11 | 2462 | 15.45 | 15.66 | 0.5 |
| 11n HT20 | 1 | 2412 | 13.83 | 15.66 | 0.5 |
| | 6 | 2437 | 17.31 | 16.56 | 0.5 |
| | 11 | 2462 | 15.78 | 16.56 | 0.5 |
| 11n HT40 | 3 | 2422 | 35.10 | 35.16 | 0.5 |
| | 6 | 2437 | 33.72 | 34.44 | 0.5 |
| | 9 | 2452 | 35.10 | 35.10 | 0.5 |



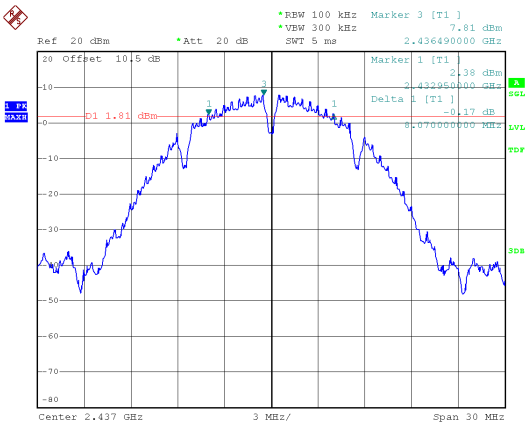
ANT A
6dB Bandwidth
Modulation Type: 802.11b
CH01



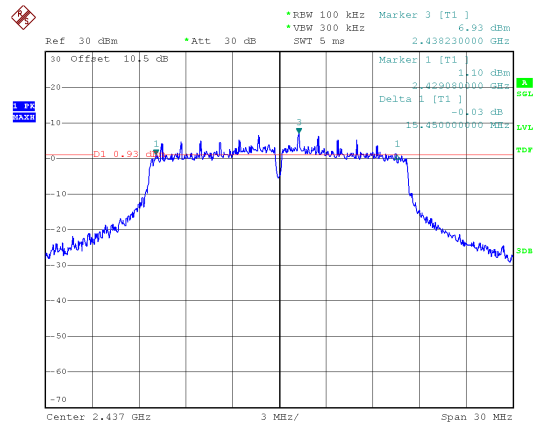
Modulation Type: 802.11g
CH01



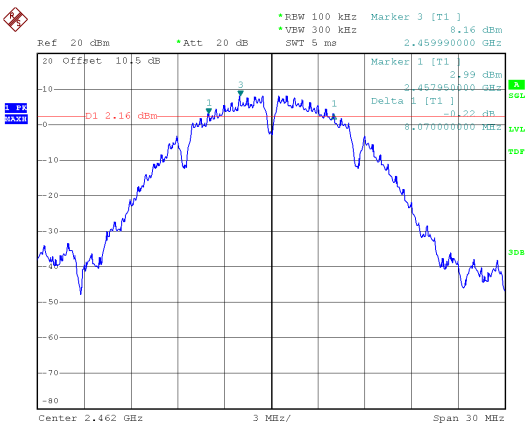
CH06



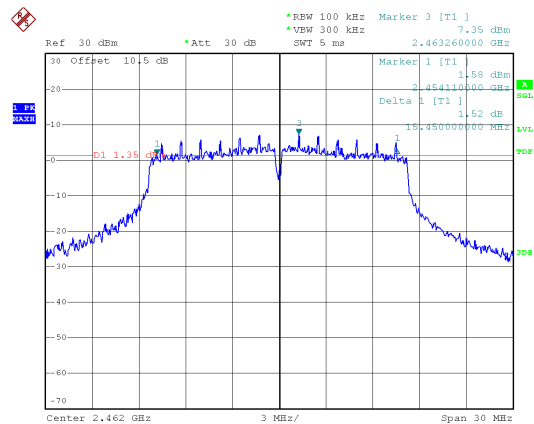
CH06



CH11

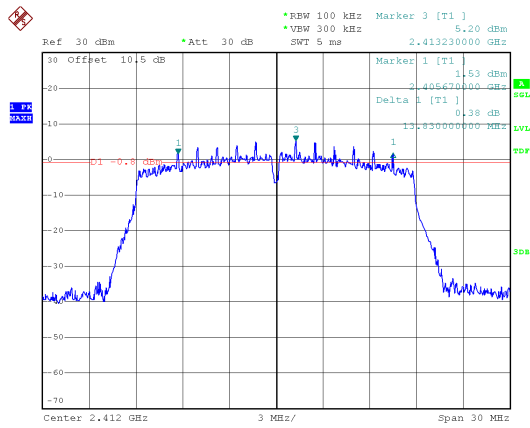


CH11

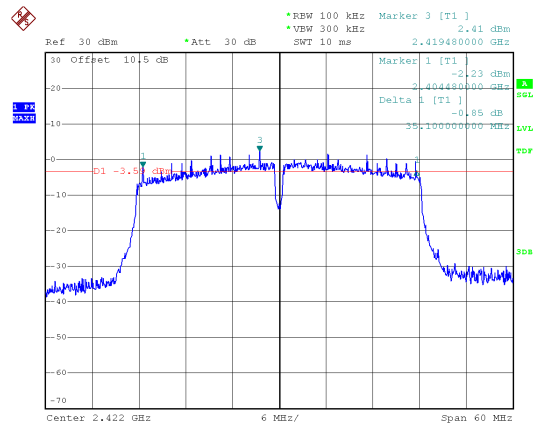




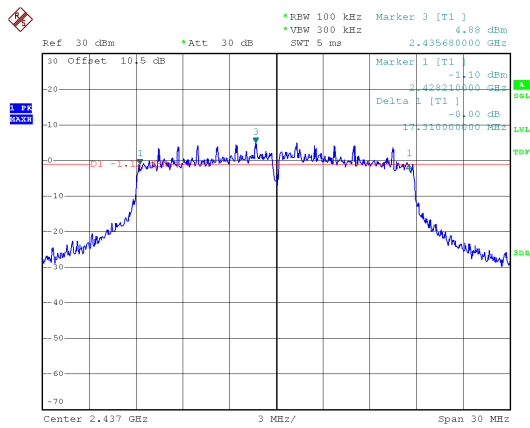
Modulation Type: 802.11n HT20
CH01



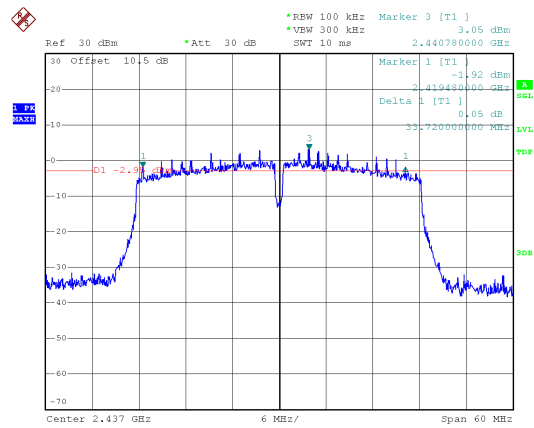
Modulation Type: 802.11n HT40
CH03



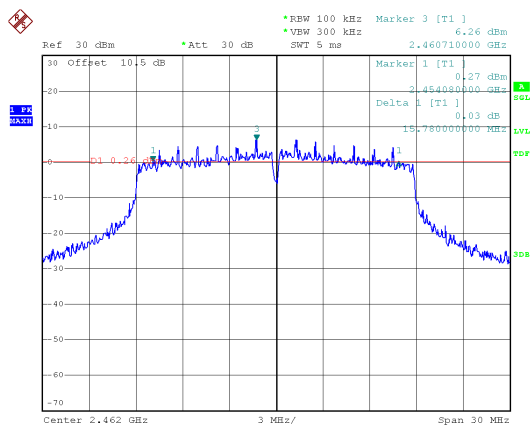
CH06



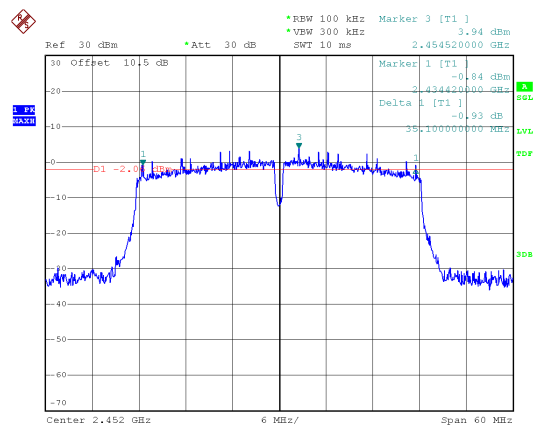
CH06



CH11

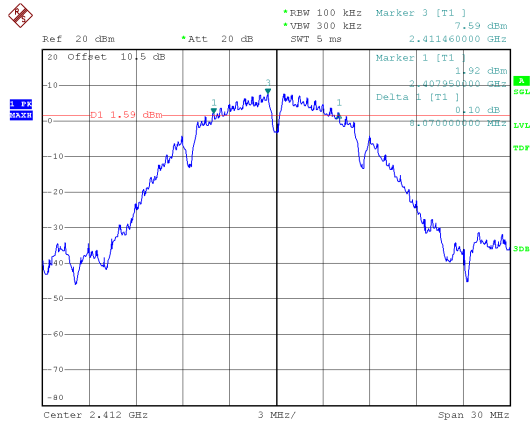


CH09

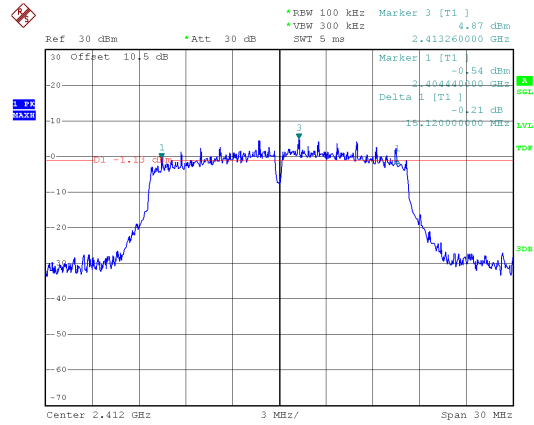




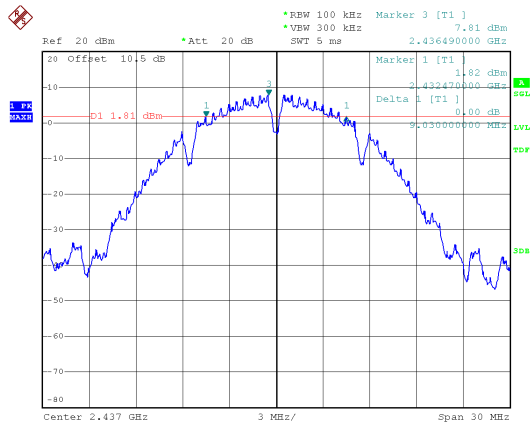
ANT B
6dB Bandwidth
Modulation Type: 802.11b
CH01



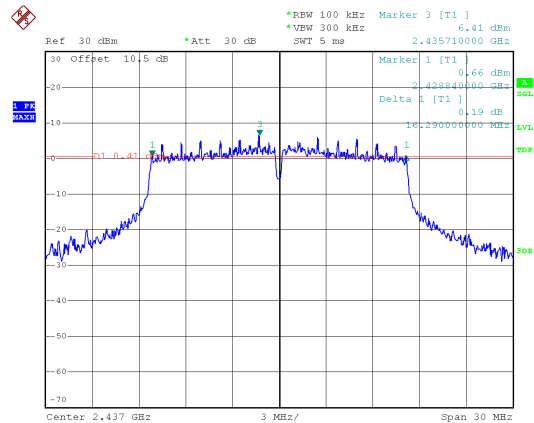
Modulation Type: 802.11g
CH01



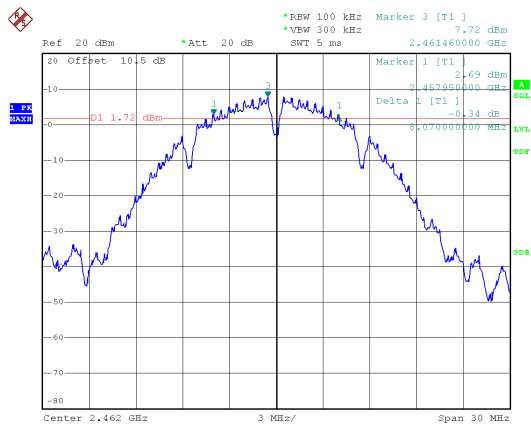
CH06



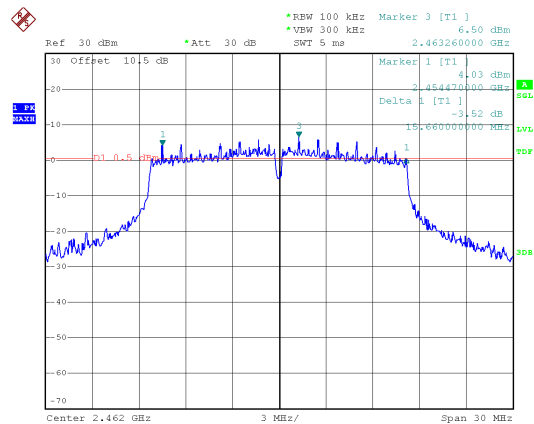
CH06



CH11

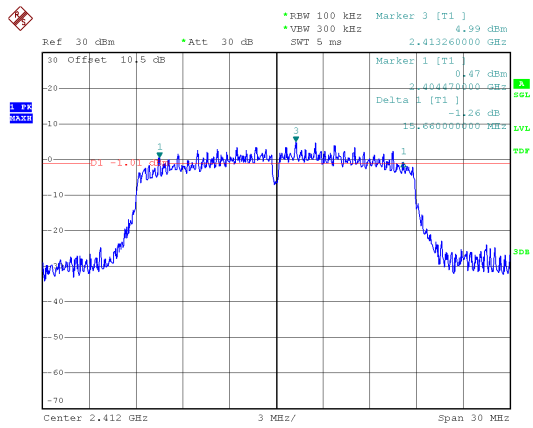


CH11

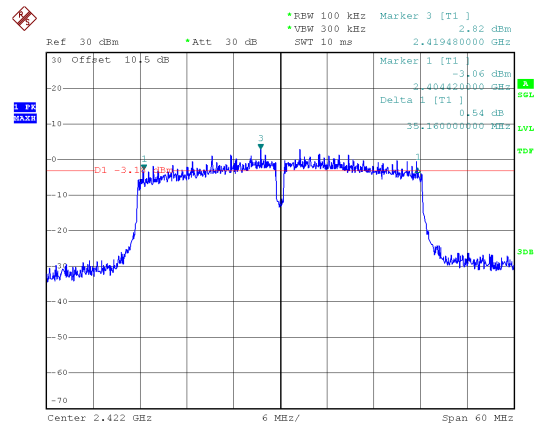




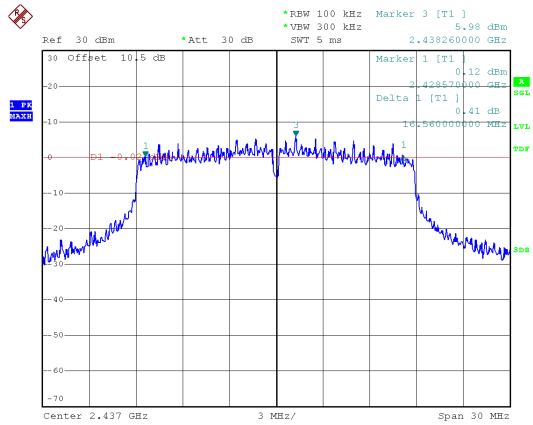
Modulation Type: 802.11n HT20
CH01



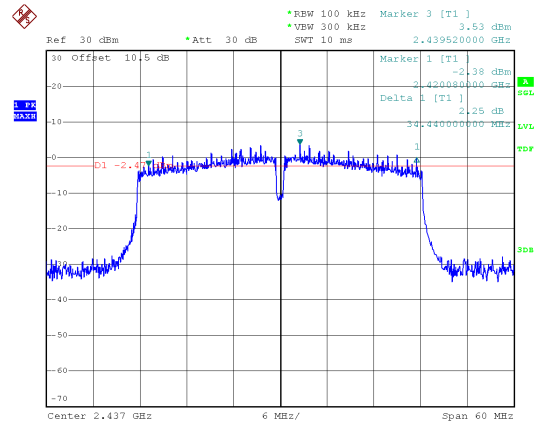
Modulation Type: 802.11n HT40
CH03



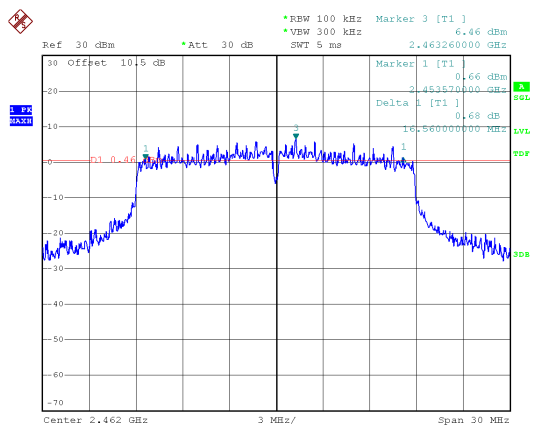
CH06



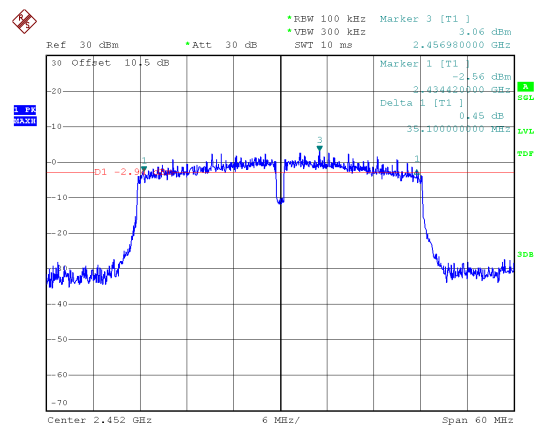
CH06



CH11



CH09





10. Maximum Average Output Power

10.1 Test Limit

The Maximum Average Output Power Measurement is 30dBm.

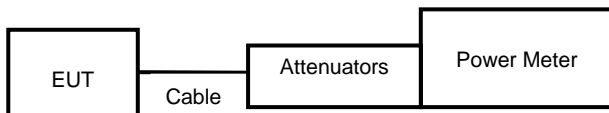
If transmitting antennas of directional gain greater than 6 dBi are used, the average output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi

10.2 Test Procedures

According to the methods defined in ANSI C63.10-2013 Section 11.9.2.3.2

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.

10.3 Test Setup Layout





10.4 Test Result and Data

| Setting | Modulation Mode | Channel | Frequency (MHz) | Conducted(average) output power (dBm) | | Total AV power (dBm) | Total AV power (mW) | Powe Limit (dBm) |
|---------|-----------------|---------|-----------------|---------------------------------------|-------|----------------------|---------------------|------------------|
| | | | | ANT A | ANT B | | | |
| 17 | 11b | 1 | 2412 | 16.96 | 17.25 | 20.12 | 102.748 | 30.00 |
| 17 | | 6 | 2437 | 16.92 | 17.28 | 20.11 | 102.660 | 30.00 |
| 17 | | 11 | 2462 | 17.46 | 17.19 | 20.34 | 108.079 | 30.00 |
| 15.5 | 11g | 1 | 2412 | 15.36 | 15.39 | 18.39 | 68.950 | 30.00 |
| 17 | | 6 | 2437 | 17.12 | 16.91 | 20.03 | 100.614 | 30.00 |
| 17 | | 11 | 2462 | 17.42 | 17.02 | 20.23 | 105.558 | 30.00 |
| 15.5 | 11n HT20 | 1 | 2412 | 15.22 | 15.46 | 18.35 | 68.422 | 30.00 |
| 17 | | 6 | 2437 | 17.03 | 17.04 | 20.05 | 101.049 | 30.00 |
| 17 | | 11 | 2462 | 17.29 | 17.08 | 20.20 | 104.630 | 30.00 |
| 16 | 11n HT40 | 3 | 2422 | 15.77 | 16.15 | 18.97 | 78.967 | 30.00 |
| 17 | | 6 | 2437 | 17.27 | 16.87 | 20.08 | 101.974 | 30.00 |
| 17 | | 9 | 2452 | 17.30 | 17.47 | 20.40 | 109.550 | 30.00 |



11. Power Spectral Density

11.1 Test Limit

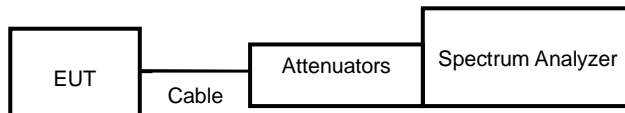
The Maximum of Power Spectral Density Measurement is 8dBm.

If transmitting antennas of directional gain greater than 6 dBi are used, the power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi

11.2 Test Procedures

According to the methods defined in ANSI C63.10-2013 Section 11.10

11.3 Test Setup Layout





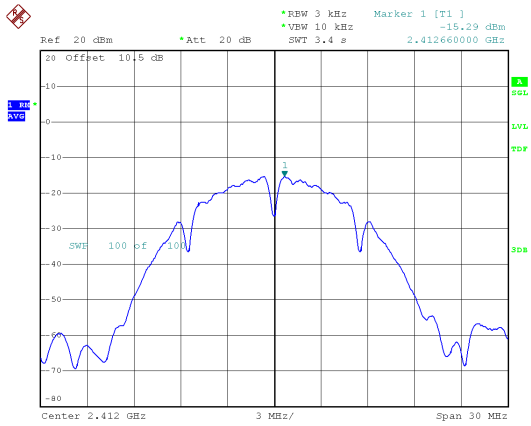
11.4 Test Result and Data

| Modulation Type | Channel | Frequency (MHz) | Maximum Power Density of 3KHz Bandwidth(dBm) | | Sum chain (dBm) | Duty Cycle CF(dB) | Total PSD (dBm) | Limit (dBm) |
|-----------------|---------|-----------------|--|--------|-----------------|-------------------|-----------------|-------------|
| | | | ANT A | ANT B | | | | |
| 11b | 1 | 2412 | -15.29 | -14.96 | -12.11 | 0.32 | -11.79 | 7.99 |
| | 6 | 2437 | -14.76 | -14.77 | -11.75 | 0.32 | -11.43 | 7.99 |
| | 11 | 2462 | -14.69 | -15.11 | -11.88 | 0.32 | -11.56 | 7.99 |
| 11g | 1 | 2412 | -20.01 | -20.09 | -17.04 | 1.65 | -15.39 | 7.99 |
| | 6 | 2437 | -18.22 | -18.47 | -15.33 | 1.65 | -13.68 | 7.99 |
| | 11 | 2462 | -17.71 | -18.76 | -15.19 | 1.65 | -13.54 | 7.99 |
| 11n HT20 | 1 | 2412 | -20.41 | -19.74 | -17.05 | 1.78 | -15.27 | 7.99 |
| | 6 | 2437 | -19.44 | -18.44 | -15.90 | 1.78 | -14.12 | 7.99 |
| | 11 | 2462 | -18.83 | -18.06 | -15.42 | 1.78 | -13.64 | 7.99 |
| 11n HT40 | 3 | 2422 | -22.08 | -22.07 | -19.06 | 0.79 | -18.27 | 7.99 |
| | 6 | 2437 | -21.36 | -21.16 | -18.25 | 0.79 | -17.46 | 7.99 |
| | 9 | 2452 | -20.59 | -20.71 | -17.64 | 0.79 | -16.85 | 7.99 |

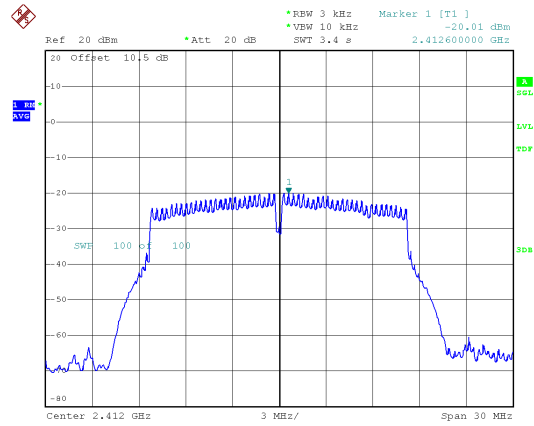


ANT A

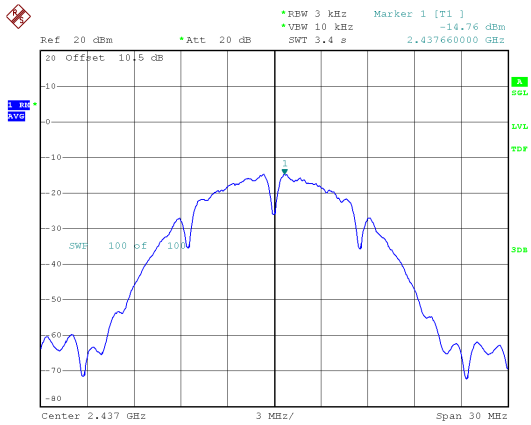
Modulation Type: 802.11b
CH01



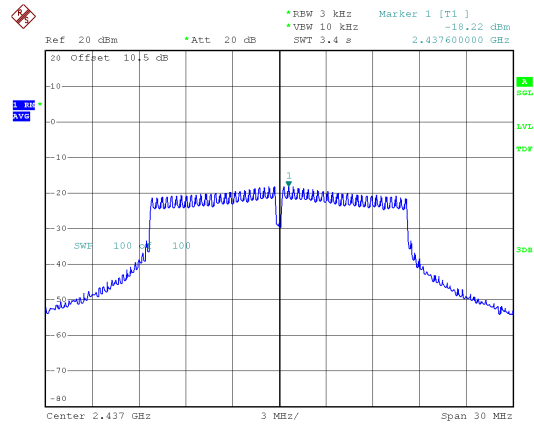
Modulation Type: 802.11g
CH01



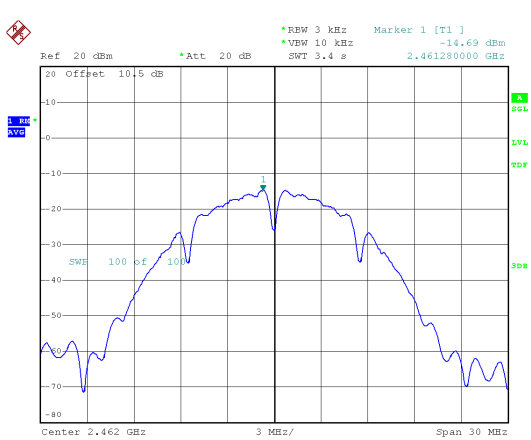
CH06



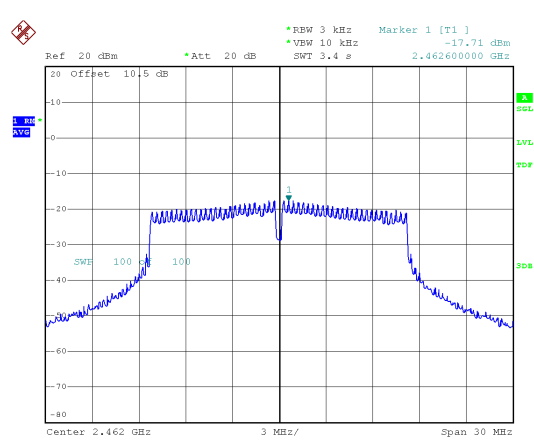
CH06



CH11

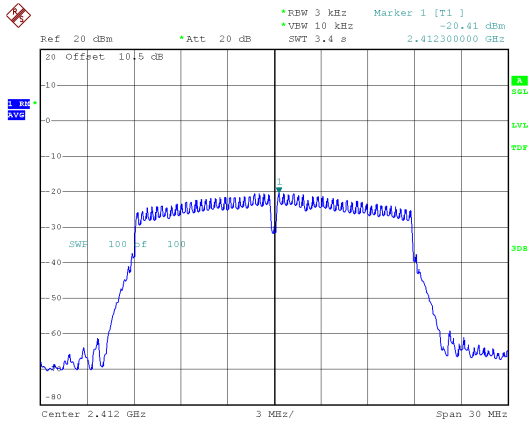


CH11

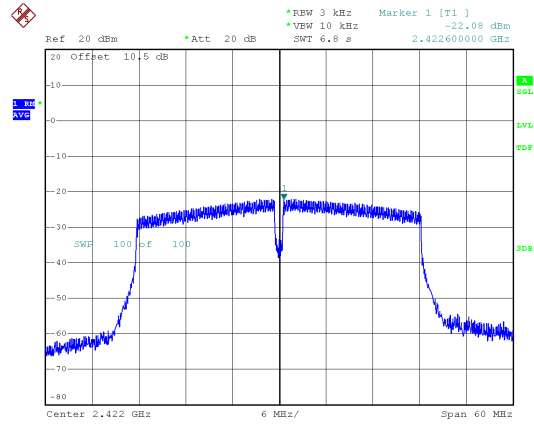




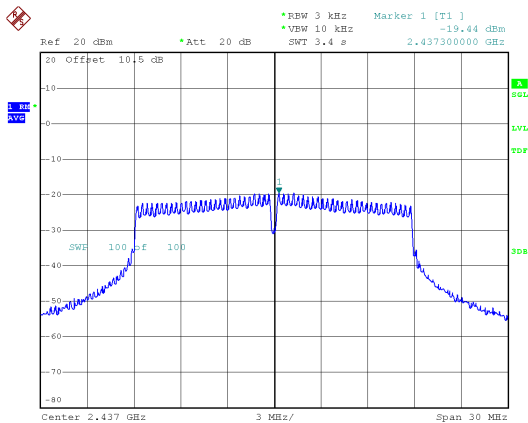
Modulation Type: 802.11n HT20
CH01



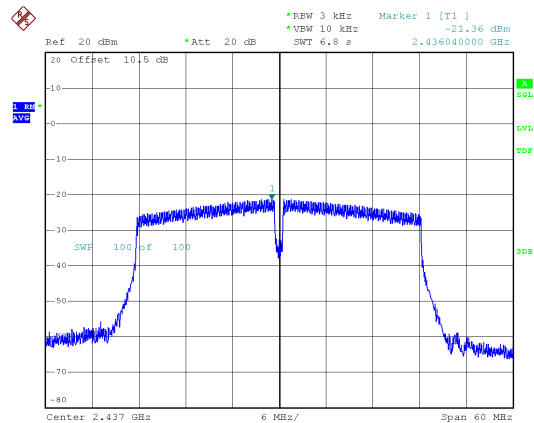
Modulation Type: 802.11n HT40
CH03



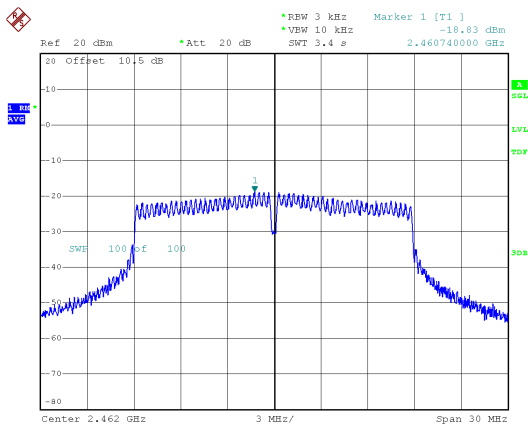
CH06



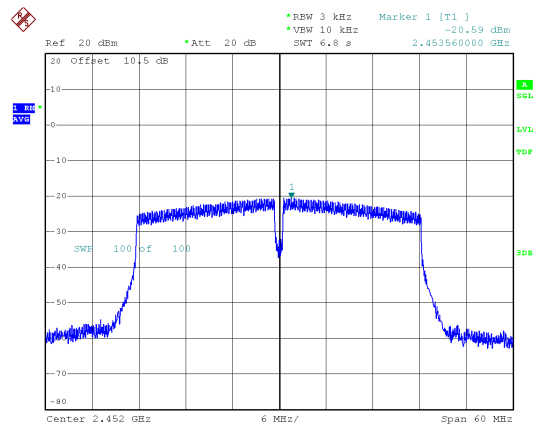
CH06



CH11



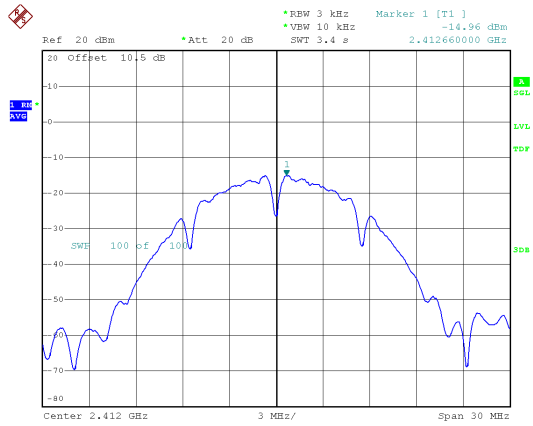
CH09



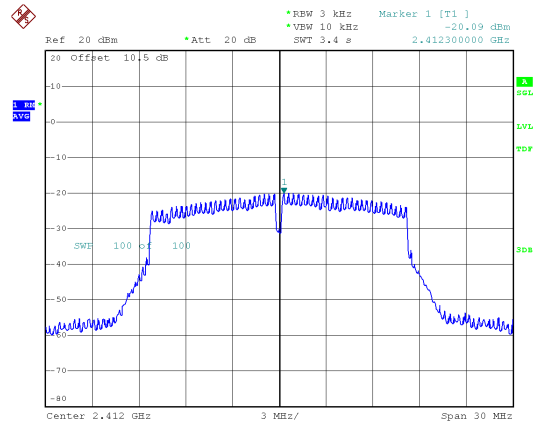


ANT B

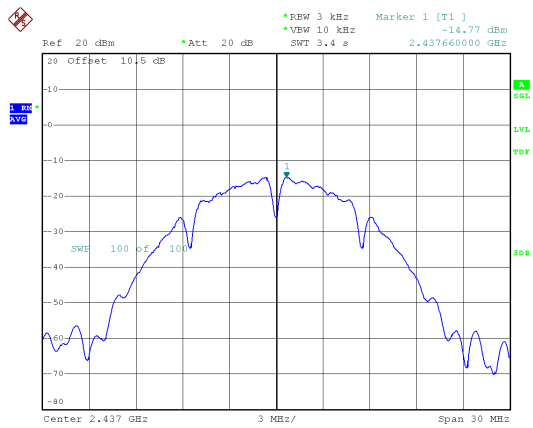
Modulation Type: 802.11b
CH01



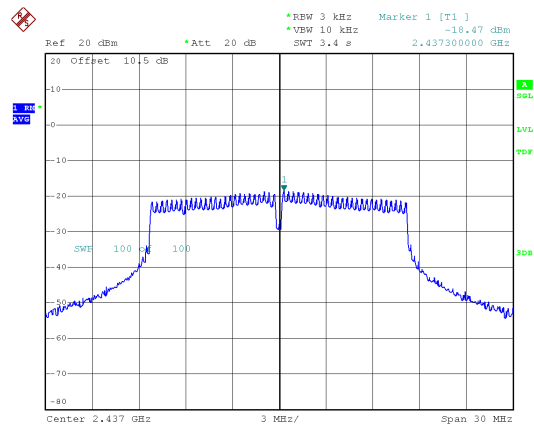
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CH01



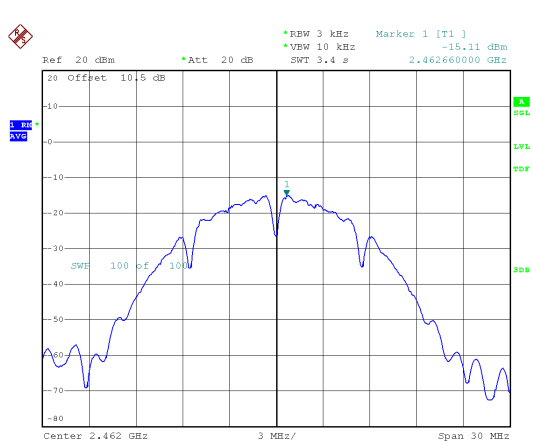
CH06



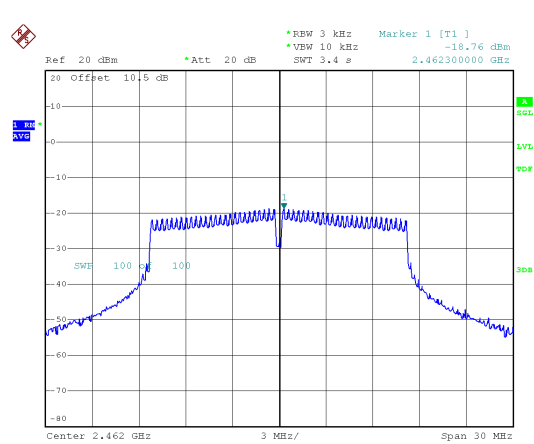
CH06



CH11

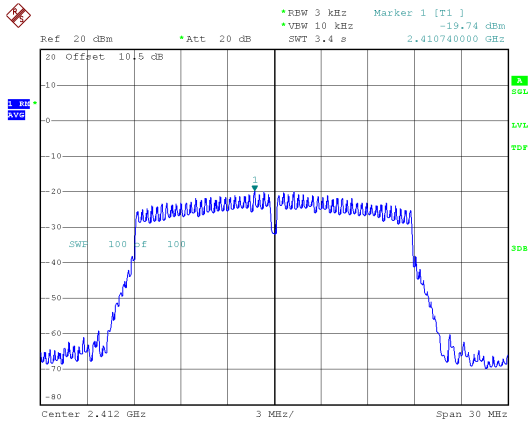


CH11

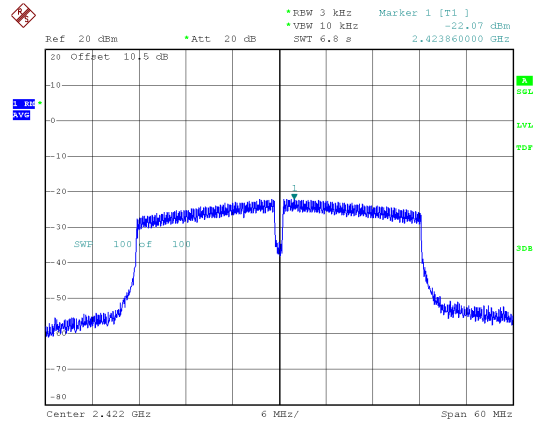




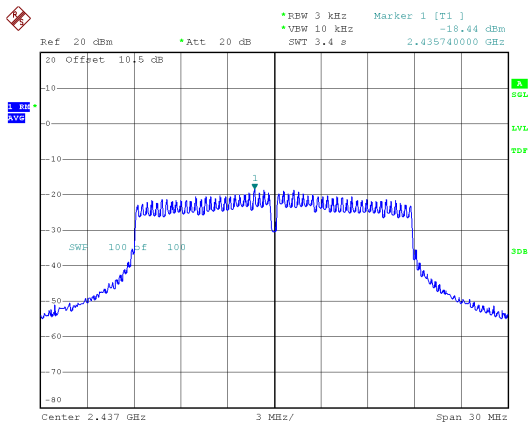
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CH01



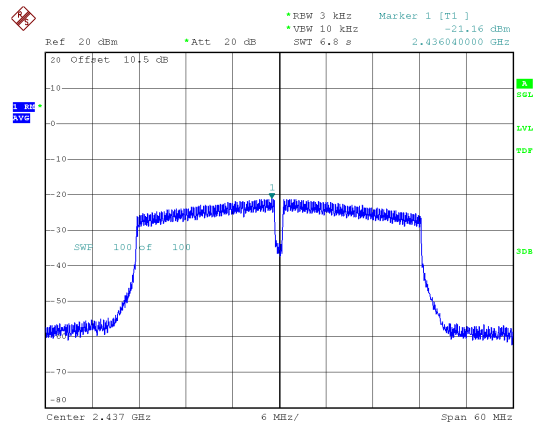
Modulation Type: 802.11n HT40
CH03



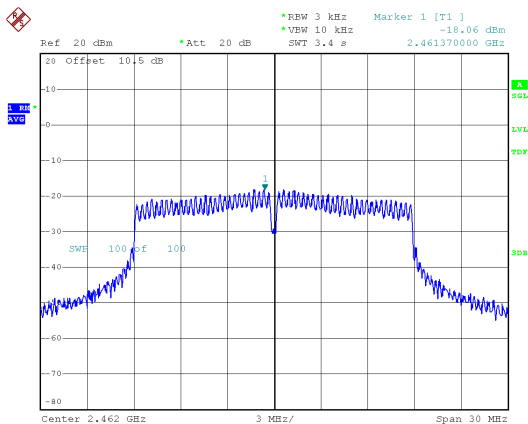
CH06



CH06



CH11



CH09

