



6. MAXIMUM OUTPUT POWER TEST

6.1 Applied procedures / limit

| FCC Part15 (15.247) , Subpart C | | | | |
|---------------------------------|----------------------|-----------------|-----------------------|--------|
| Section | Test Item | Limit | Frequency Range (MHz) | Result |
| 15.247(b)(3) | Maximum Output Power | 1 watt or 30dBm | 2400-2483.5 | PASS |

6.1.1 MEASUREMENT INSTRUMENTS LIST

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|-----------------------|--------------|----------|------------|------------------|
| 1 | P-series Power meter | Agilent | N1911A | MY45100473 | Apr. 25, 2014 |
| 2 | Wireband Power sensor | Agilent | N1921A | MY51100041 | Apr. 25, 2014 |

Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

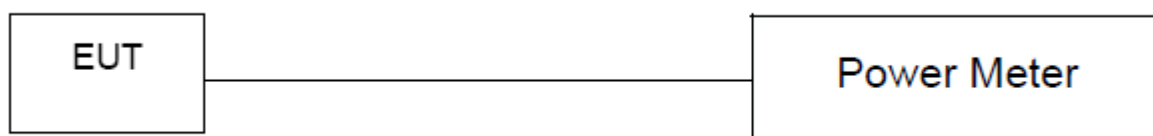
6.1.2 TEST PROCEDURE

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
- The maximum peak conducted output power was performed in accordance with method 9.1.3 of FCC KDB 558074

6.1.3 DEVIATION FROM STANDARD

No deviation.

6.1.4 TEST SETUP



6.1.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

Transmit output power was measured while the host equipment supply voltage was varied from 85 % to 115 % of the nominal rated supply voltage. No change in transmit output power was observed.



6.1.6 TEST RESULTS

| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX B MODE /CH01, CH06, CH11 | | |

| Frequency (MHz) | Peak Output Power (dBm) | LIMIT (dBm) | LIMIT (W) |
|-----------------|-------------------------|-------------|-----------|
| 2412 | 22.56 | 30 | 1 |
| 2437 | 28.62 | 30 | 1 |
| 2462 | 24.19 | 30 | 1 |

| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX G MODE /CH01, CH06, CH11 | | |

| Frequency (MHz) | Peak Output Power (dBm) | LIMIT (dBm) | LIMIT (W) |
|-----------------|-------------------------|-------------|-----------|
| 2412 | 28.26 | 30 | 1 |
| 2437 | 28.14 | 30 | 1 |
| 2462 | 21.32 | 30 | 1 |

| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N-20M MODE /CH01, CH06, CH11 | | |

| ANT 0 | | | |
|-----------------|-------------------------|-------------|-----------|
| Frequency (MHz) | Peak Output Power (dBm) | LIMIT (dBm) | LIMIT (W) |
| 2412 | 25.24 | 30 | 1 |
| 2437 | 25.19 | 30 | 1 |
| 2462 | 25.15 | 30 | 1 |

| ANT 1 | | | |
|-----------------|-------------------------|-------------|-----------|
| Frequency (MHz) | Peak Output Power (dBm) | LIMIT (dBm) | LIMIT (W) |
| 2412 | 25.27 | 30 | 1 |
| 2437 | 25.08 | 30 | 1 |
| 2462 | 25.18 | 30 | 1 |

| ANT 2 | | | |
|-----------------|-------------------------|-------------|-----------|
| Frequency (MHz) | Peak Output Power (dBm) | LIMIT (dBm) | LIMIT (W) |
| 2412 | 25.12 | 30 | 1 |
| 2437 | 25.14 | 30 | 1 |
| 2462 | 25.09 | 30 | 1 |

| ANT 0 + ANT 1 + ANT 2 | | | |
|-----------------------|-------------------------|-------------|-----------|
| Frequency (MHz) | Peak Output Power (dBm) | LIMIT (dBm) | LIMIT (W) |
| 2412 | 29.98 | 30 | 1 |
| 2437 | 29.90 | 30 | 1 |
| 2462 | 29.91 | 30 | 1 |

Note: The EUT incorporates a MIMO function. Physically, the EUT provides three completed transmitters and three receivers (3T3R).all transmit signals are completely uncorrelated, then, Direction gain = G_{ANT} , that is Directional gain=5.0.



| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N-40M MODE /CH03, CH06, CH09 | | |

| ANT 0 | | | |
|-----------------|-------------------------|-------------|-----------|
| Frequency (MHz) | Peak Output Power (dBm) | LIMIT (dBm) | LIMIT (W) |
| 2422 | 17.25 | 30 | 1 |
| 2437 | 25.21 | 30 | 1 |
| 2452 | 21.21 | 30 | 1 |

| ANT 1 | | | |
|-----------------|-------------------------|-------------|-----------|
| Frequency (MHz) | Peak Output Power (dBm) | LIMIT (dBm) | LIMIT (W) |
| 2422 | 17.46 | 30 | 1 |
| 2437 | 25.18 | 30 | 1 |
| 2452 | 21.16 | 30 | 1 |

| ANT 2 | | | |
|-----------------|-------------------------|-------------|-----------|
| Frequency (MHz) | Peak Output Power (dBm) | LIMIT (dBm) | LIMIT (W) |
| 2422 | 17.32 | 30 | 1 |
| 2437 | 25.23 | 30 | 1 |
| 2452 | 21.05 | 30 | 1 |

| ANT 0 + ANT 1 + ANT 2 | | | |
|-----------------------|-------------------------|-------------|-----------|
| Frequency (MHz) | Peak Output Power (dBm) | LIMIT (dBm) | LIMIT (W) |
| 2422 | 29.97 | 30 | 1 |
| 2437 | 21.52 | 30 | 1 |
| 2452 | 25.91 | 30 | 1 |

Note: The EUT incorporates a MIMO function. Physically, the EUT provides three completed transmitters and three receivers (3T3R).all transmit signals are completely uncorrelated, then, Direction gain = G_{ANT} , that is Directional gain=5.0.



7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 Applied procedures / limit

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

| Frequencies (MHz) | Field Strength (micorvolts/meter) | Measurement Distance (meters) |
|-------------------|-----------------------------------|-------------------------------|
| 0.009~0.490 | 2400/F(KHz) | 300 |
| 0.490~1.705 | 24000/F(KHz) | 30 |
| 1.705~30.0 | 30 | 30 |
| 30~88 | 100 | 3 |
| 88~216 | 150 | 3 |
| 216~960 | 200 | 3 |
| 960~1000 | 500 | 3 |

7.1.1 MEASUREMENT INSTRUMENTS LIST

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|-------------------|--------------|----------|------------|------------------|
| 1 | Spectrum Analyzer | R&S | FSP 40 | 100185 | Nov. 09, 2014 |

Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

7.1.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting: RBW= 100KHz, VBW=300KHz, Sweep time = Auto.

7.1.3 DEVIATION FROM STANDARD

No deviation.

7.1.4 TEST SETUP



7.1.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.



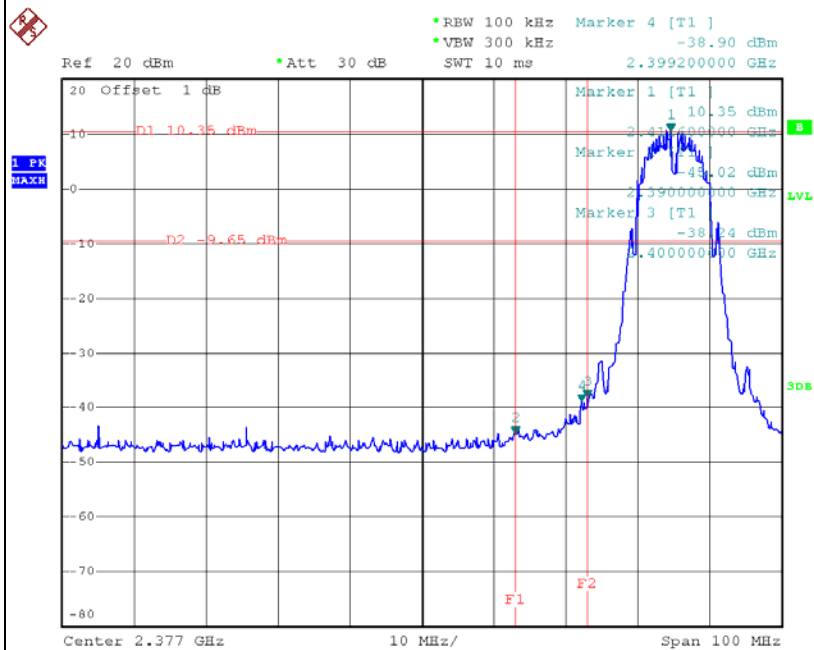
7.1.6 TEST RESULTS

| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX B MODE /CH01, CH06 , CH11 | | |

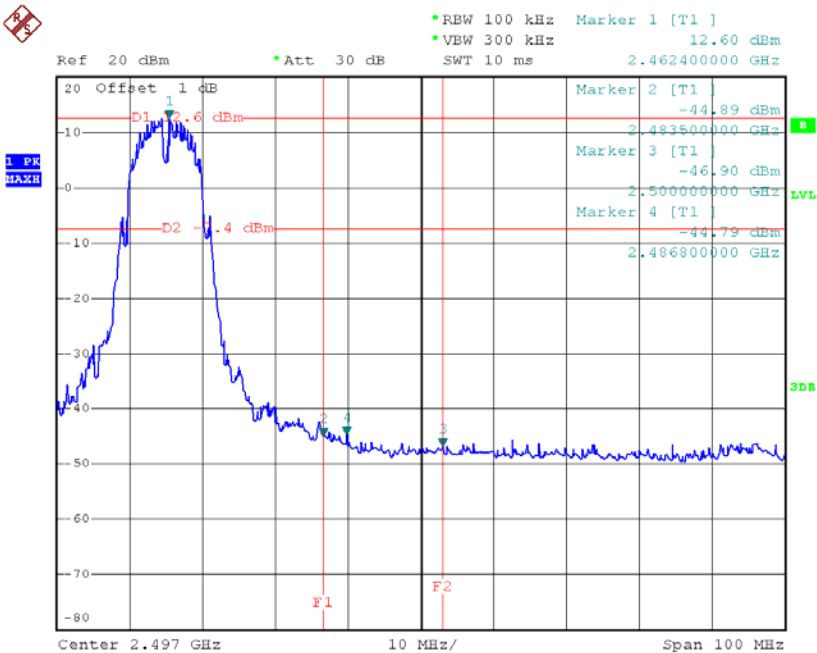
| Channel of Worst Data: CH01 | | | |
|---|------------|--|------------|
| The max. radio frequency power in any 100kHz bandwidth outside the frequency band | | The max. radio frequency power in any 100 kHz bandwidth within the frequency band. | |
| FREQUENCY(MHz) | POWER(dBm) | FREQUENCY(MHz) | POWER(dBm) |
| 2400.00 | -38.24 | 2486.80 | -44.79 |
| Result | | | |
| In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power. | | | |

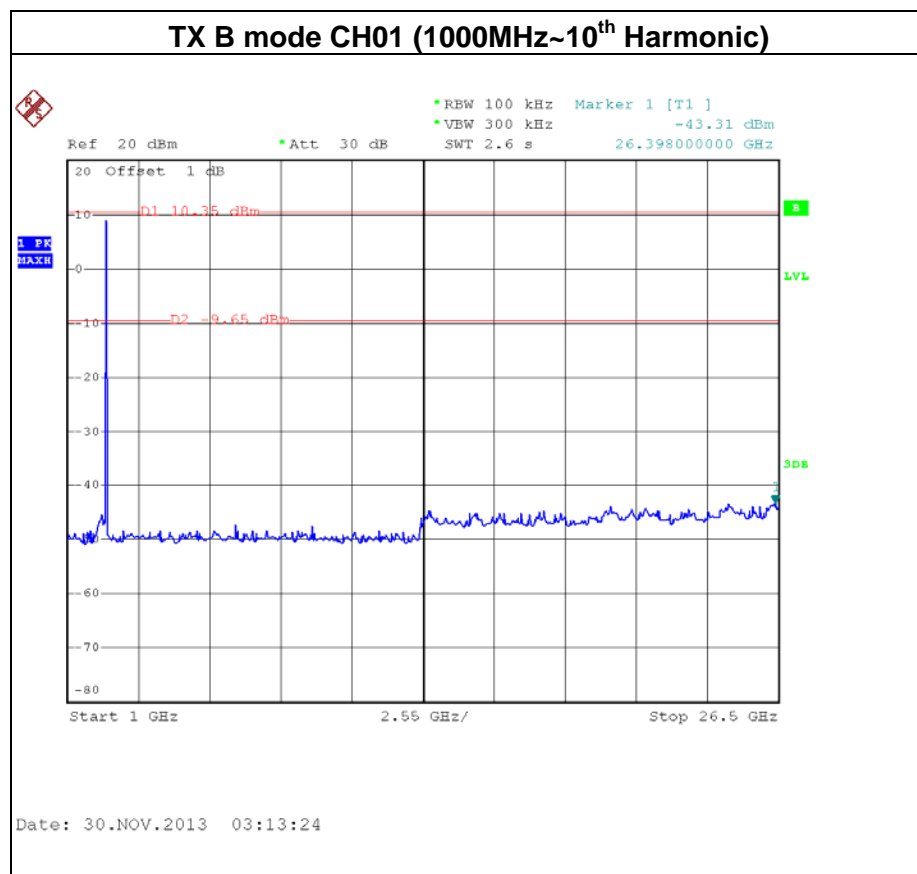
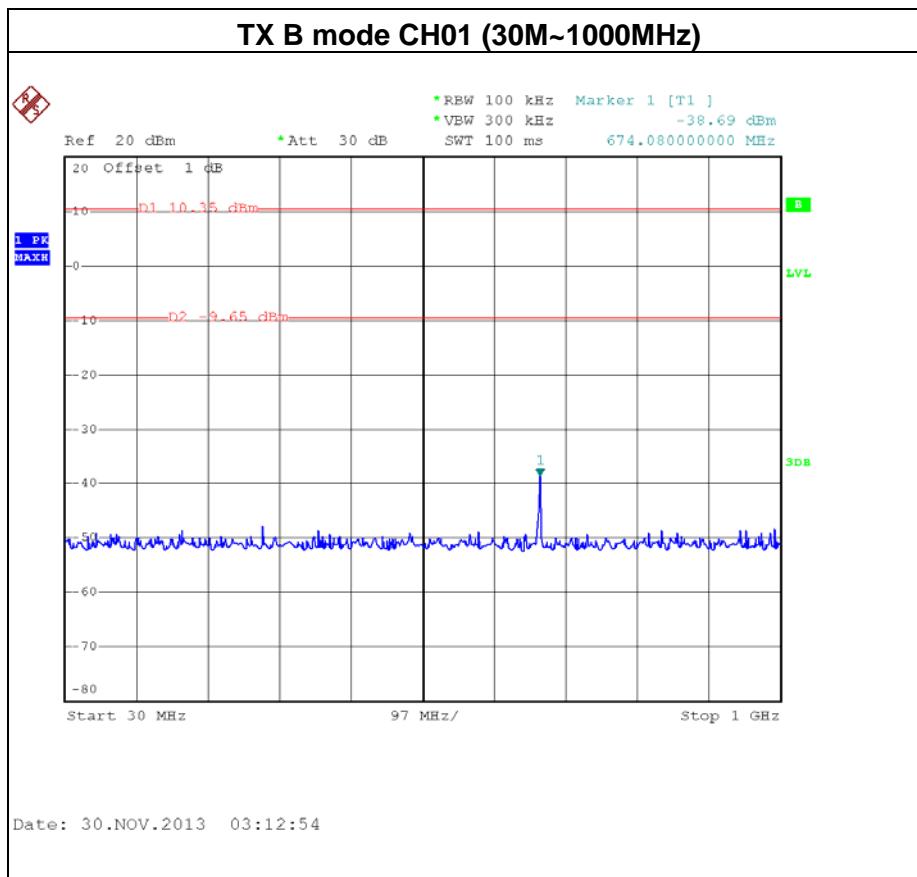


TX B mode CH01



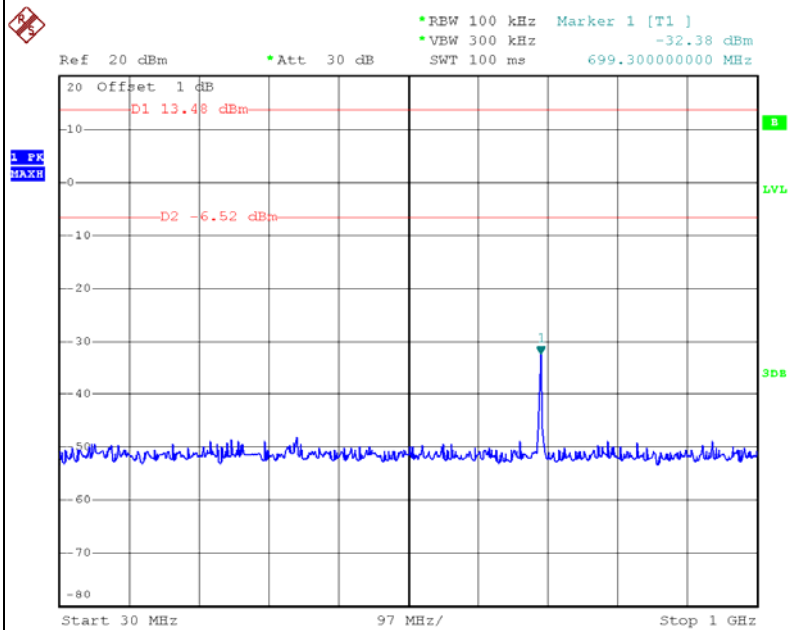
TX B mode CH11





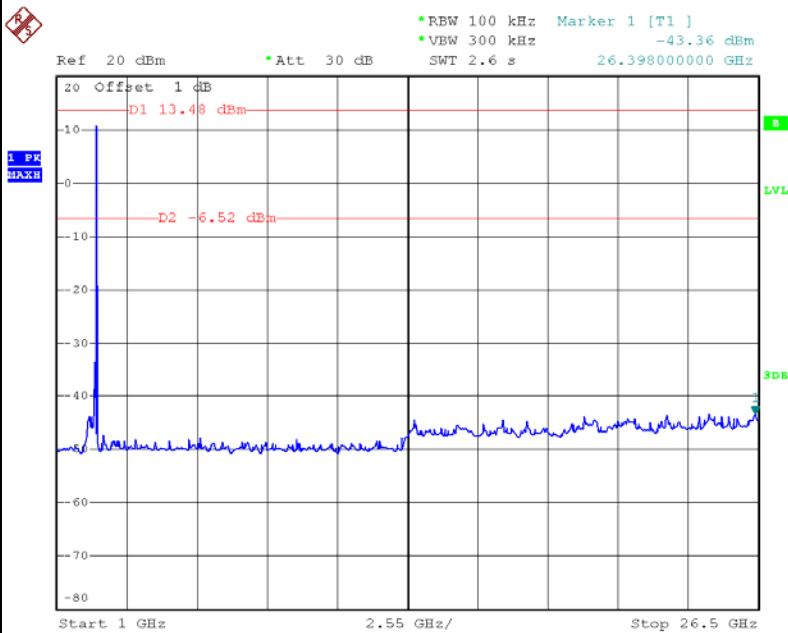


TX B mode CH06 (30M~1000MHz)



Date: 30.NOV.2013 03:16:29

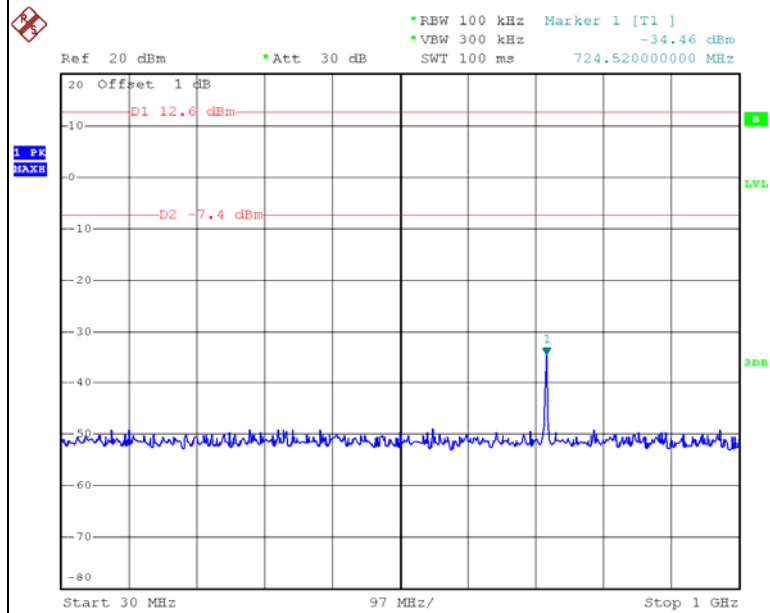
TX B mode CH06 (1000MHz~10th Harmonic)



Date: 30.NOV.2013 03:16:52

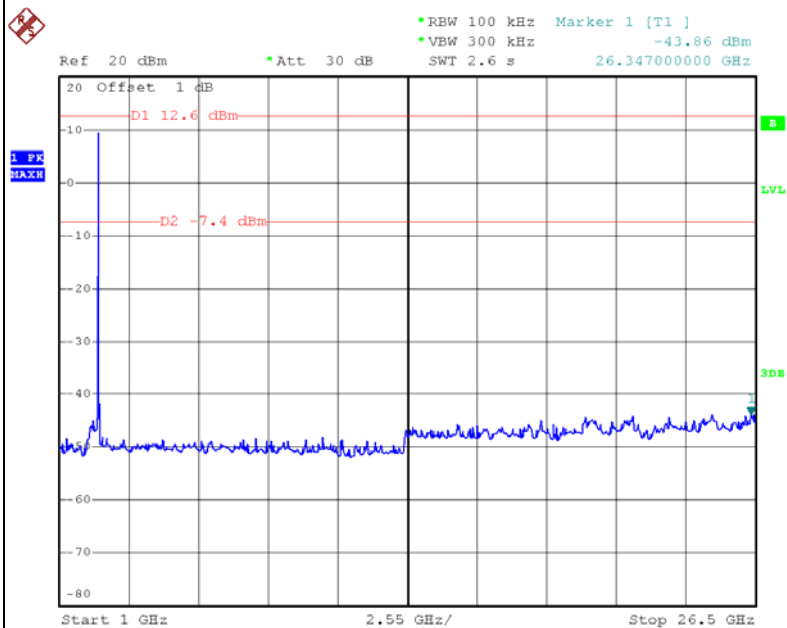


TX B mode CH11 (30M~1000MHz)



Date: 30.NOV.2013 03:18:59

TX B mode CH11 (1000MHz~10th Harmonic)

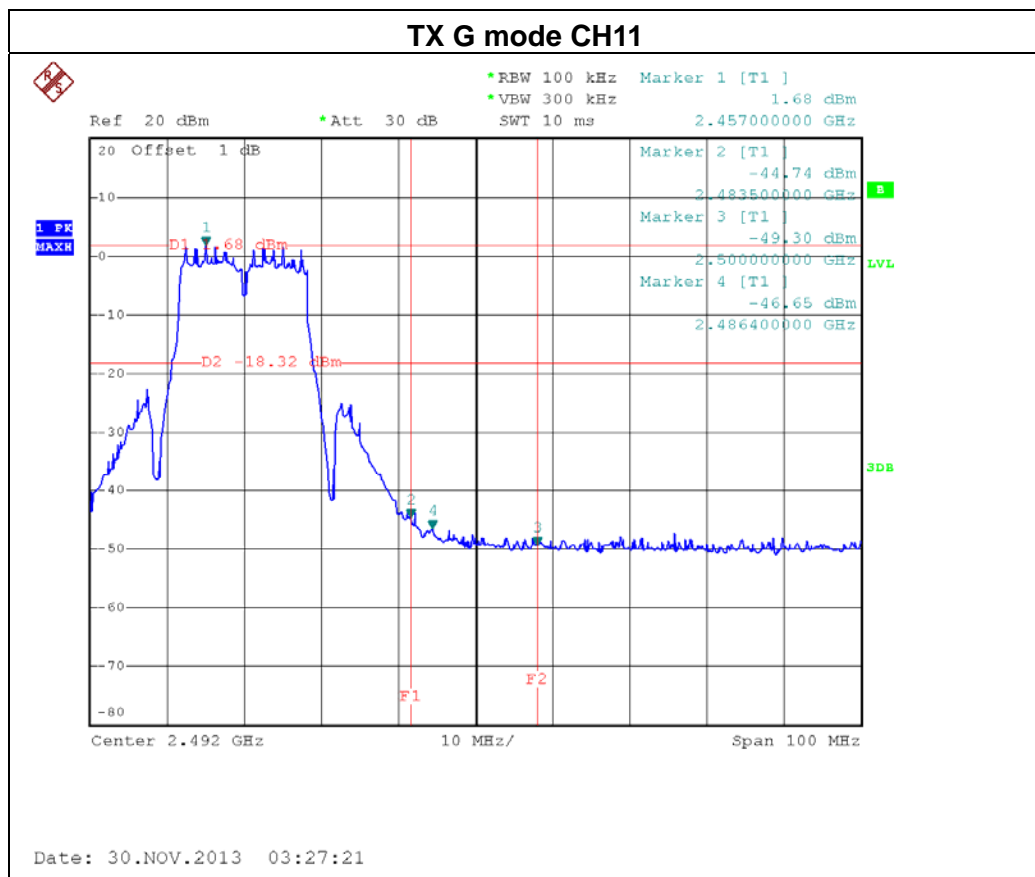
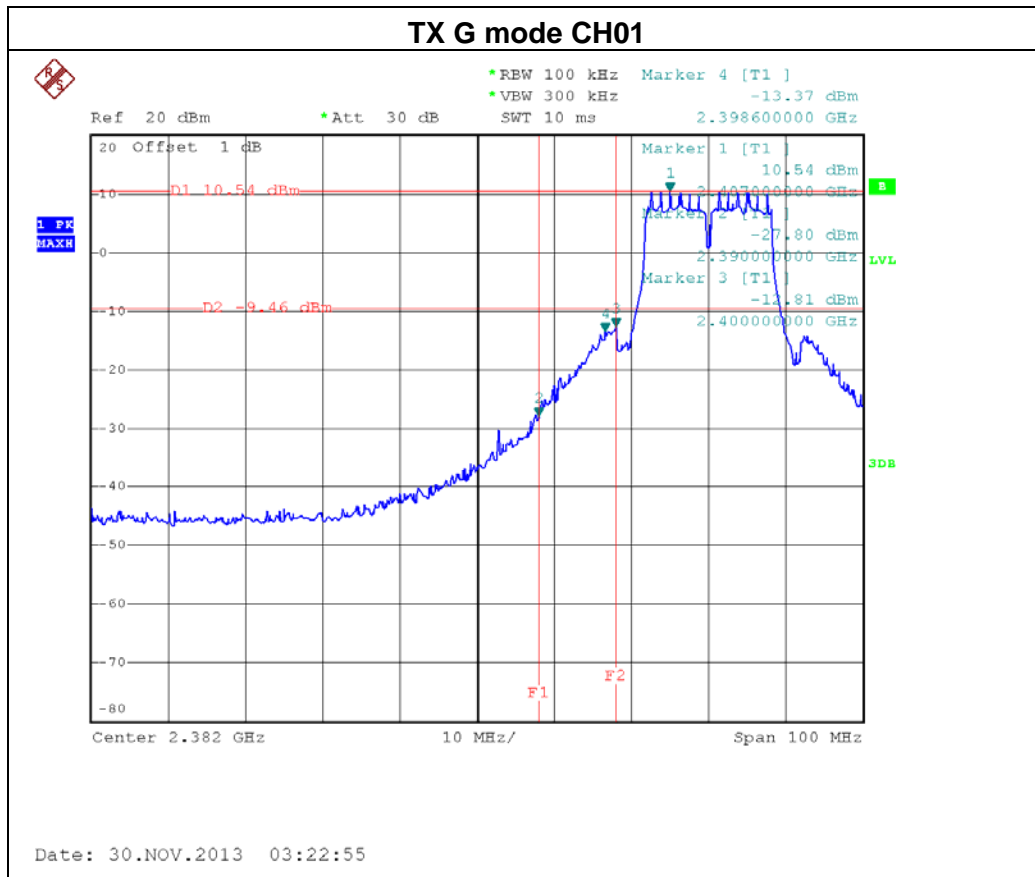


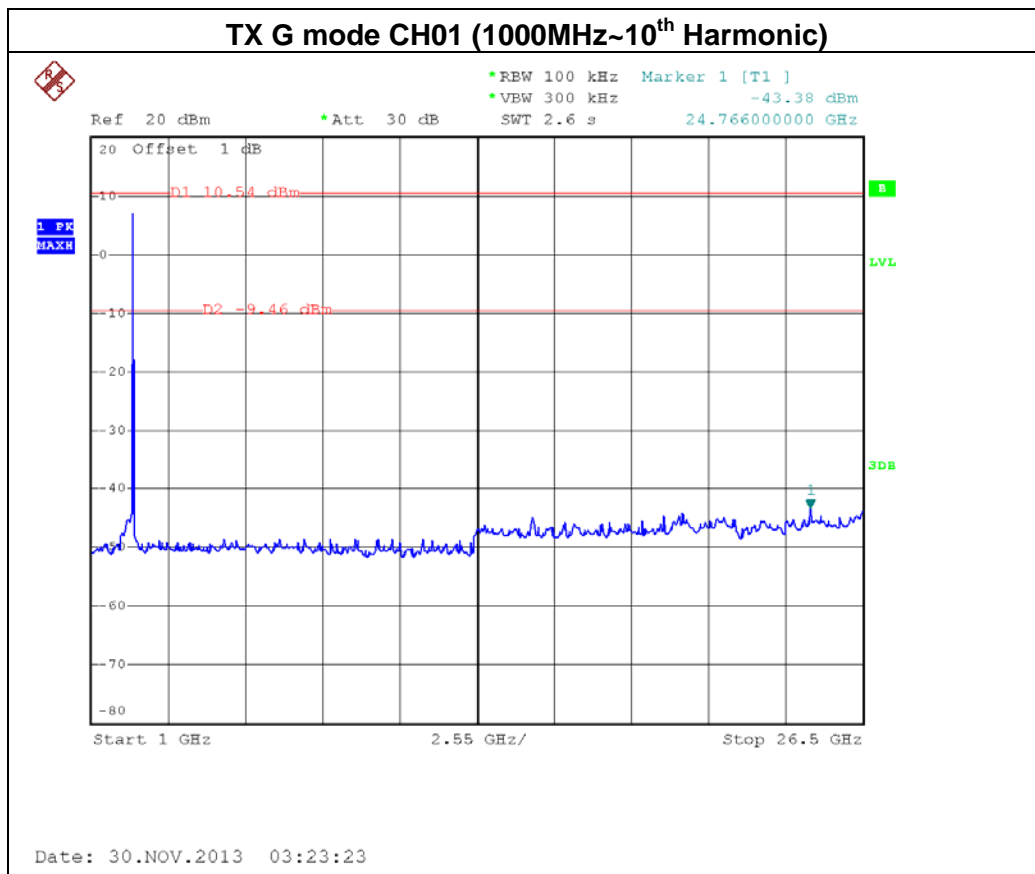
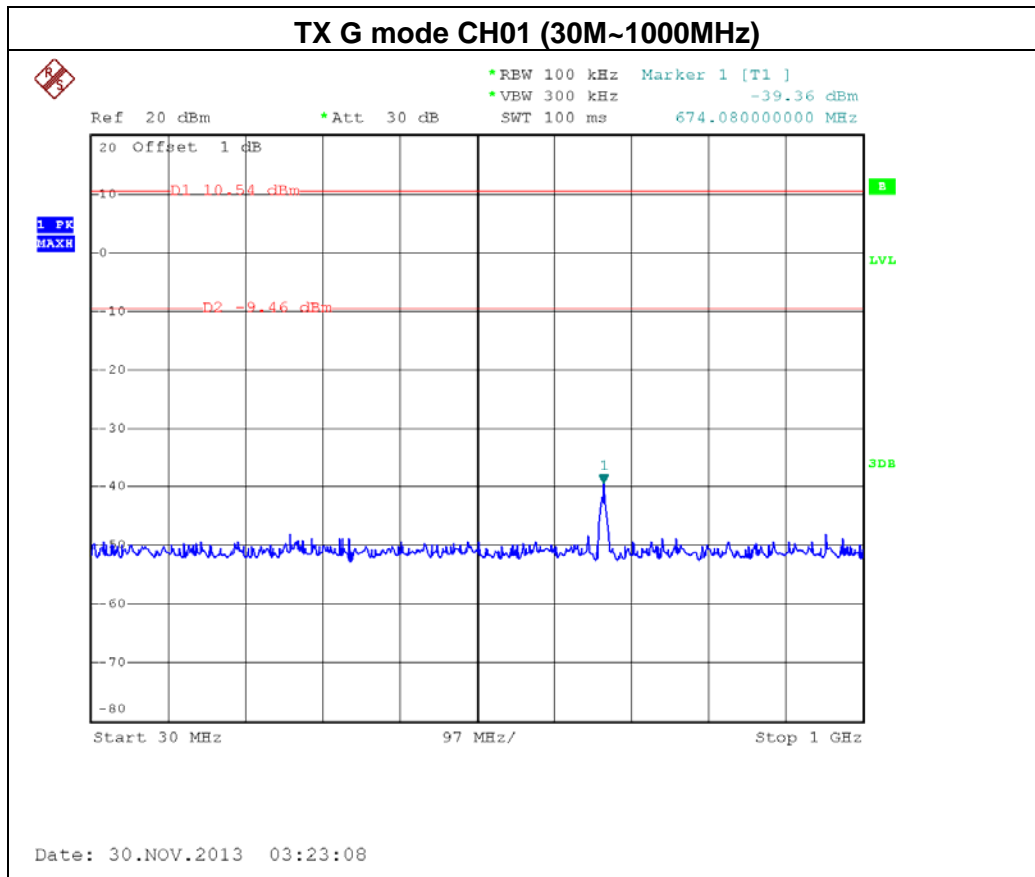
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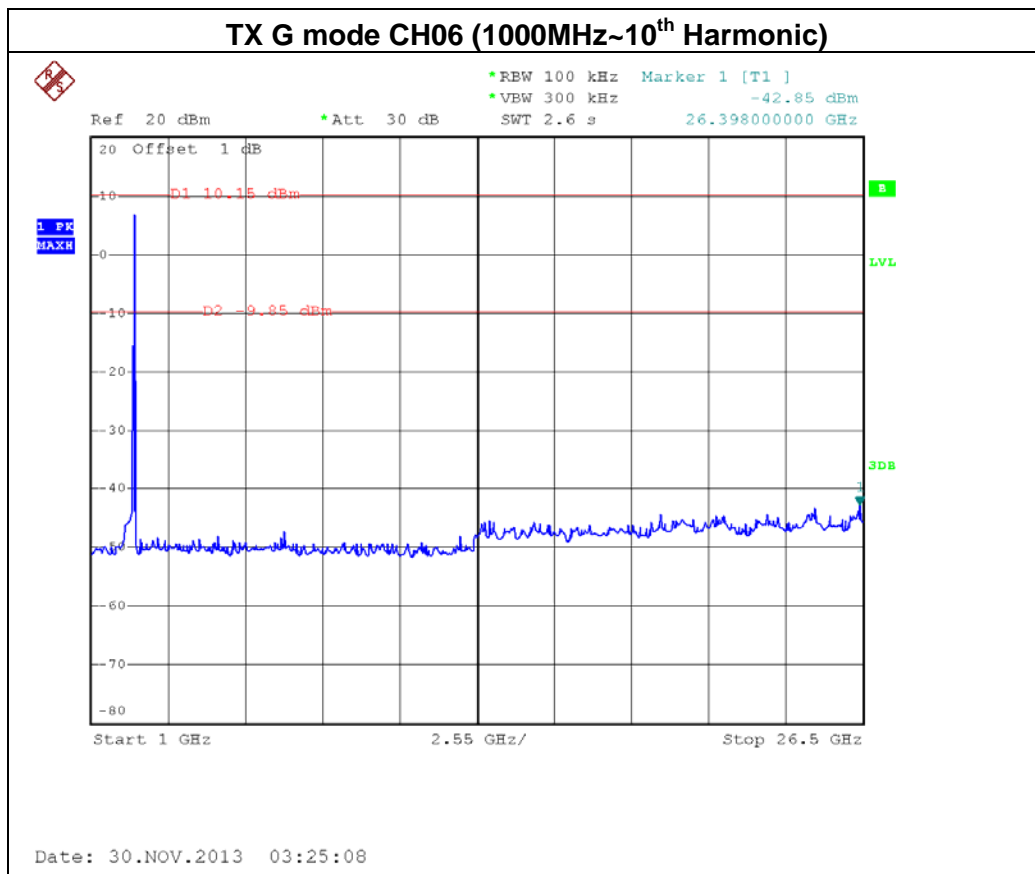
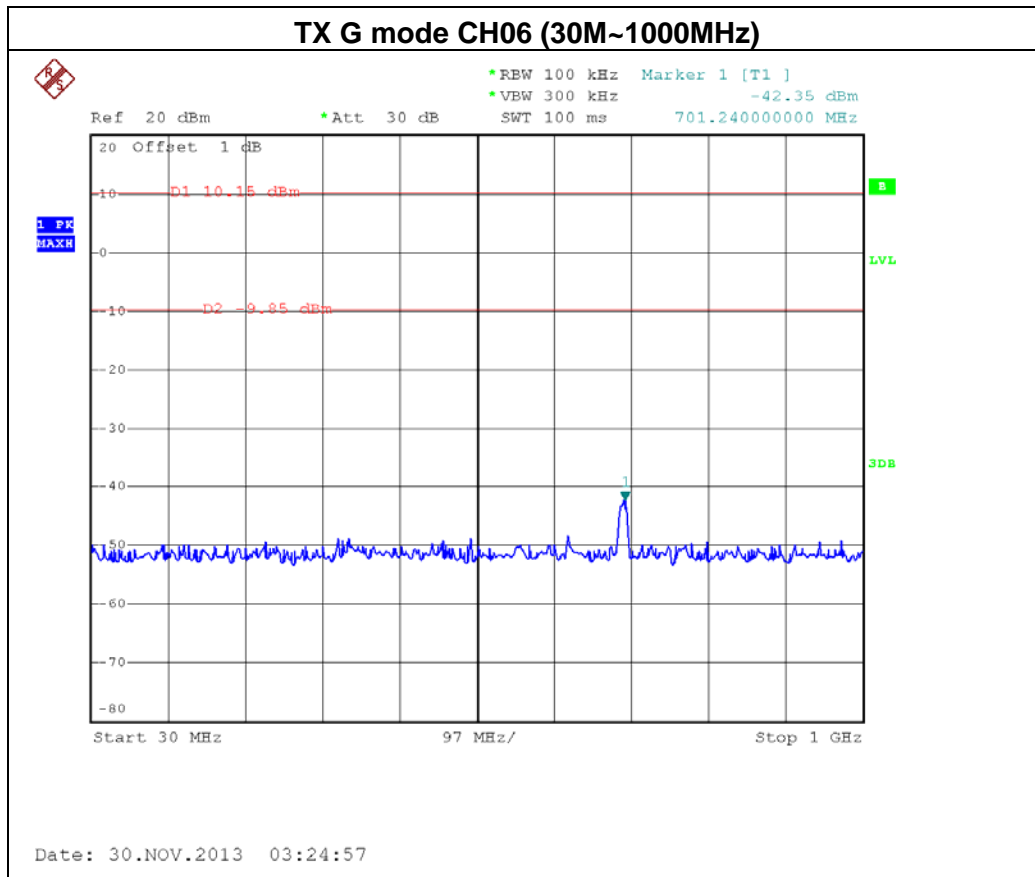


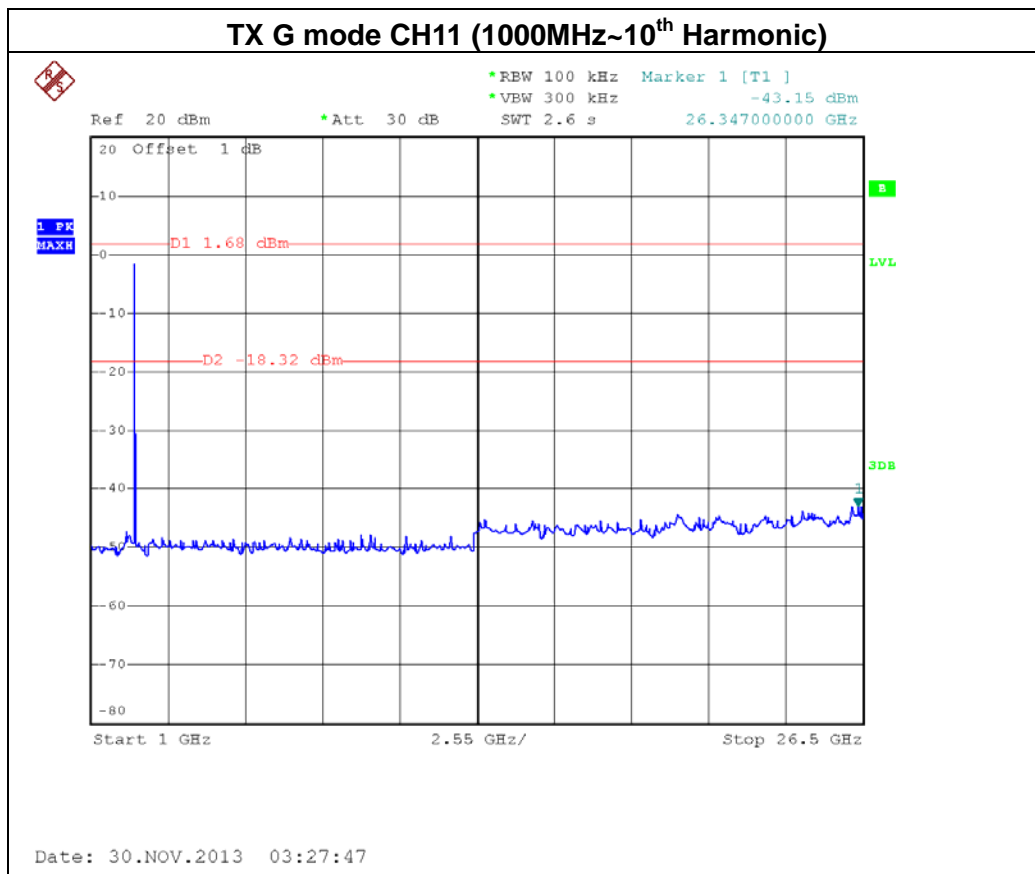
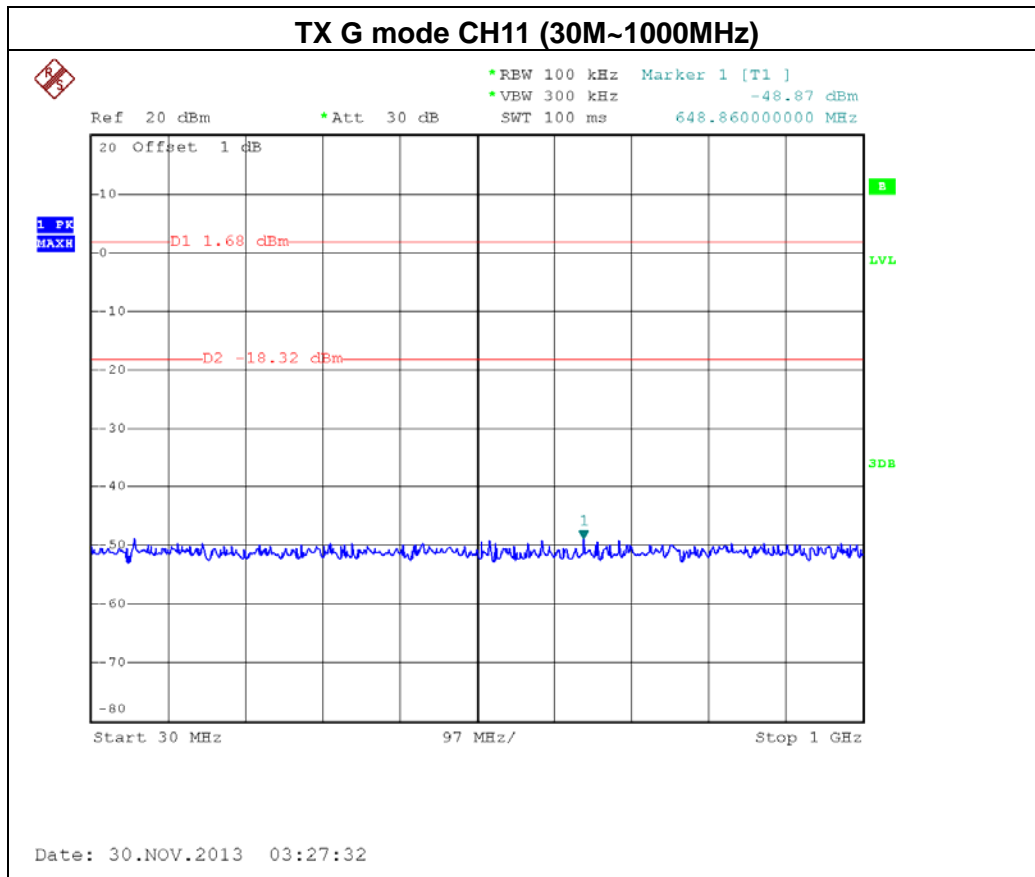
| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX G MODE / CH01, CH06 , CH11 | | |

| Channel of Worst Data: CH01 | | | |
|---|------------|--|------------|
| The max. radio frequency power in any 100kHz bandwidth outside the frequency band | | The max. radio frequency power in any 100 kHz bandwidth within the frequency band. | |
| FREQUENCY(MHz) | POWER(dBm) | FREQUENCY(MHz) | POWER(dBm) |
| 2400.00 | -12.81 | 2483.50 | -44.74 |
| Result | | | |
| In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power. | | | |









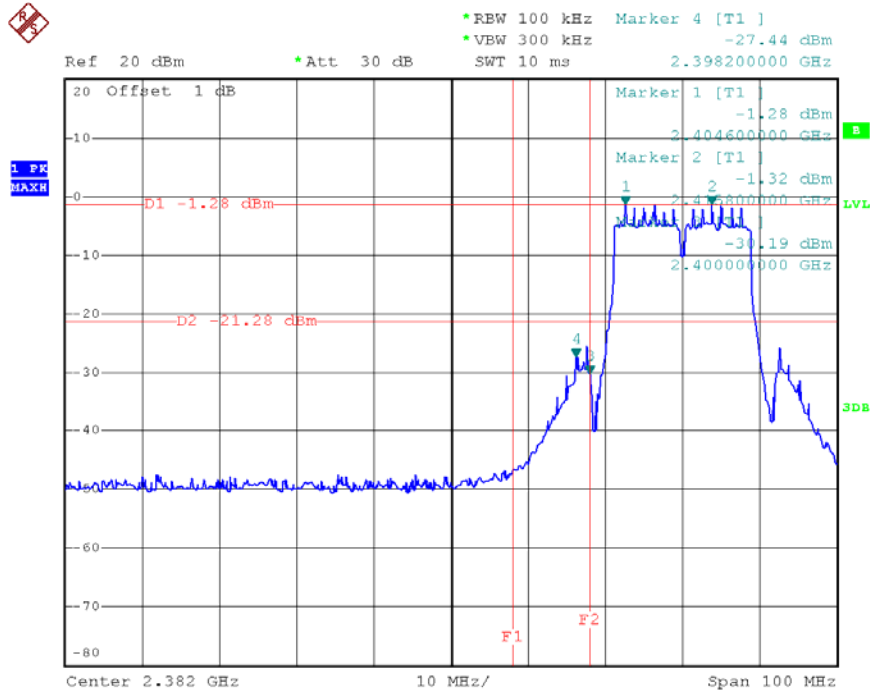


| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N-20M MODE / CH01, CH06 , CH11-ANT 0 | | |

| Channel of Worst Data: CH01 | | | |
|---|------------|--|------------|
| The max. radio frequency power in any 100kHz bandwidth outside the frequency band | | The max. radio frequency power in any 100 kHz bandwidth within the frequency band. | |
| FREQUENCY(MHz) | POWER(dBm) | FREQUENCY(MHz) | POWER(dBm) |
| 2398.20 | -27.44 | 2483.50 | -46.61 |
| Result | | | |
| In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power. | | | |

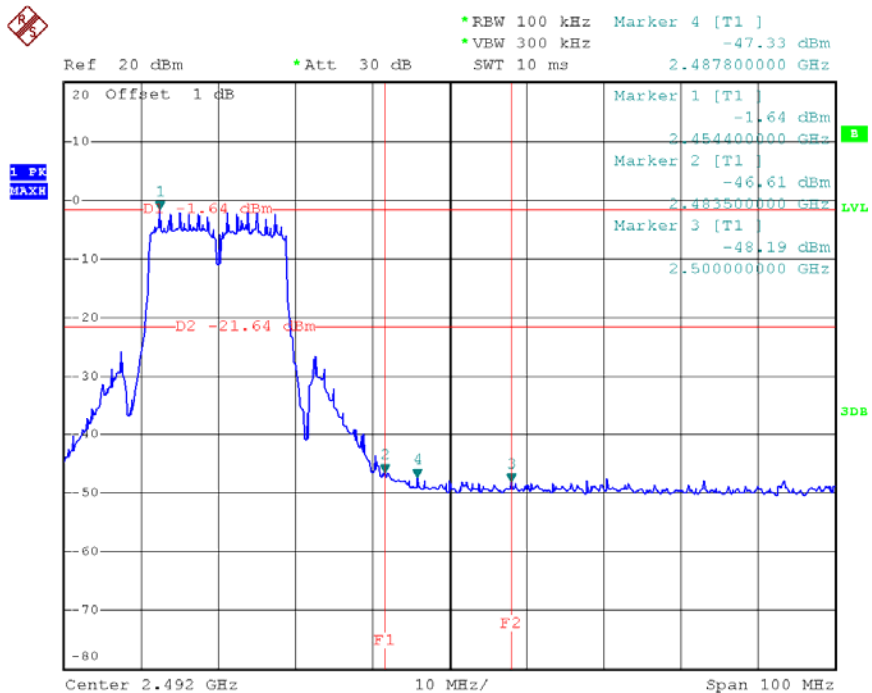


TX HT20 mode CH01



Date: 30.NOV.2013 03:34:19

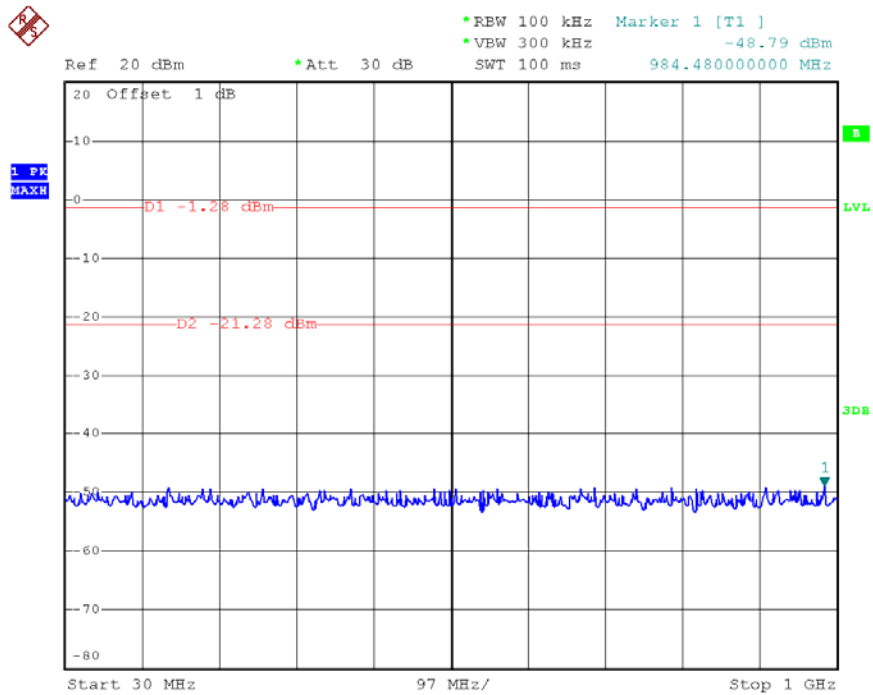
TX HT20 mode CH11



Date: 30.NOV.2013 03:48:09

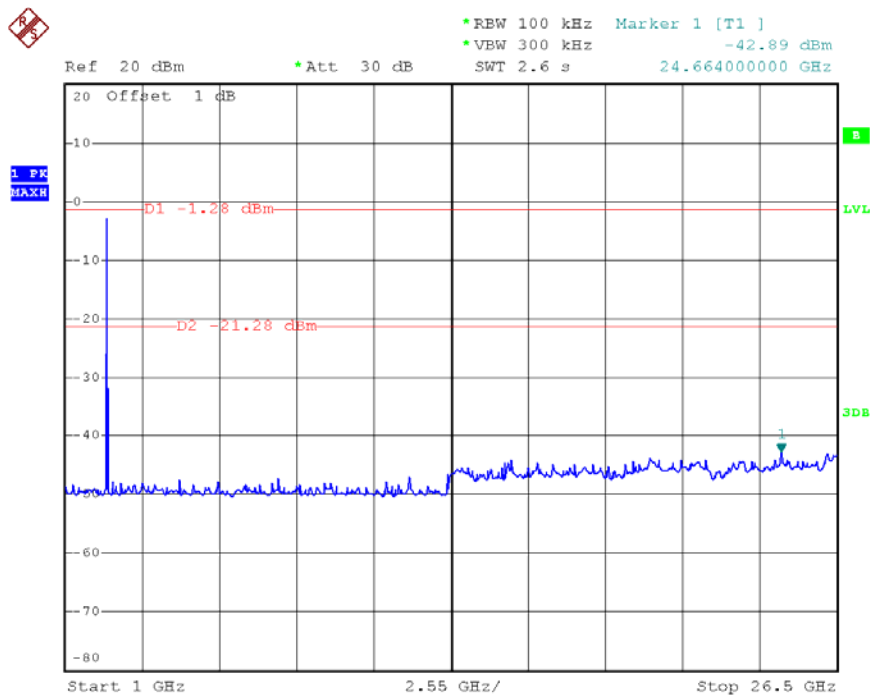


TX HT20 mode CH01 (30M~1000MHz)



Date: 30.NOV.2013 03:34:32

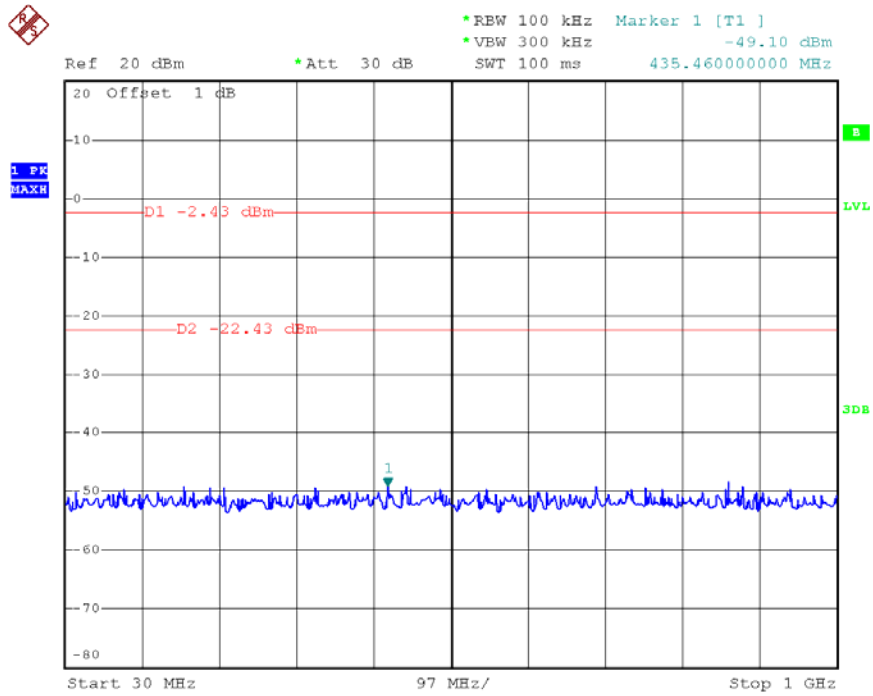
TX HT20 mode CH01 (1000MHz~10th Harmonic)



Date: 30.NOV.2013 03:35:05

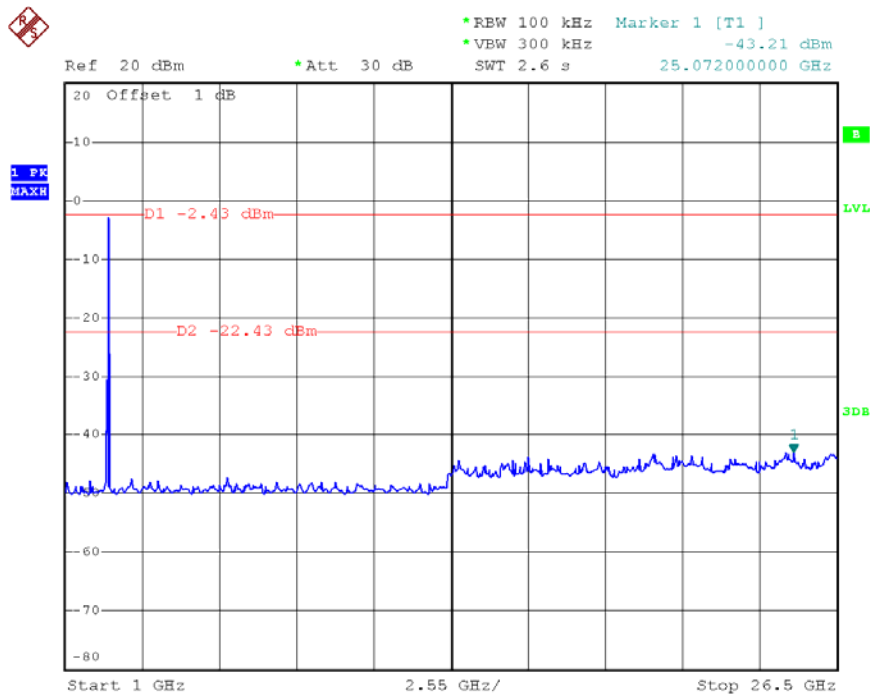


TX HT20 mode CH06 (30M~1000MHz)

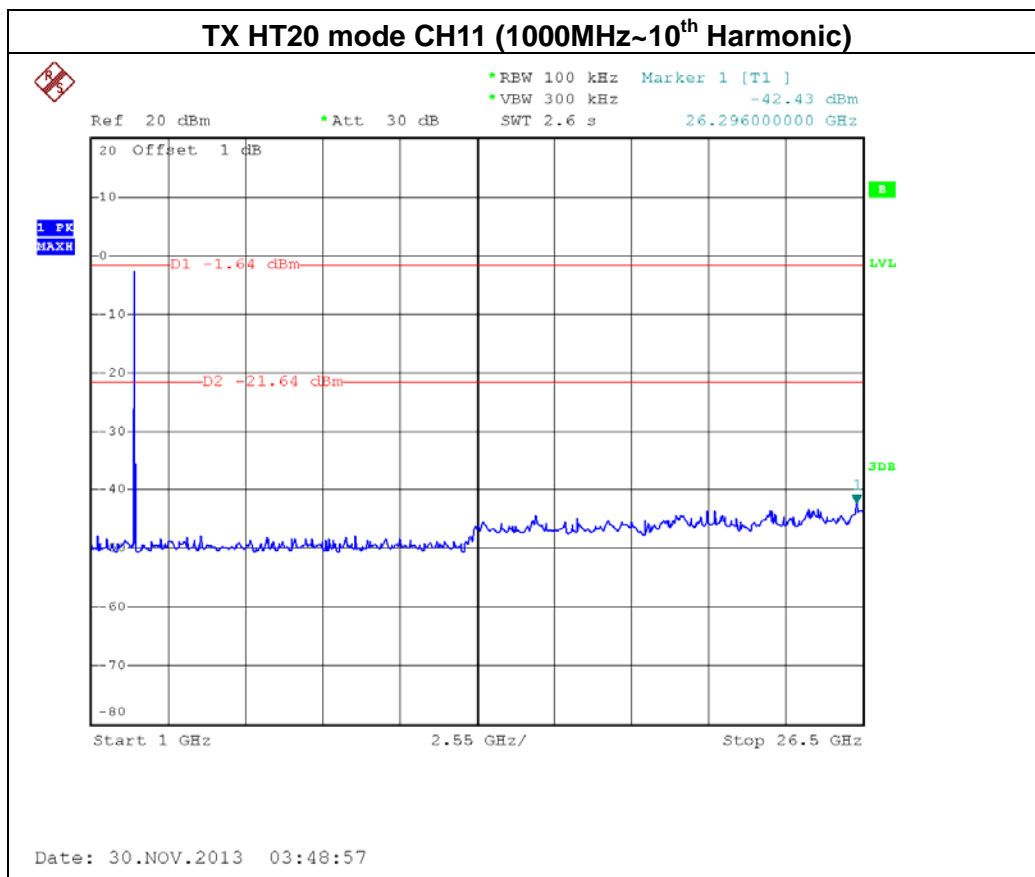
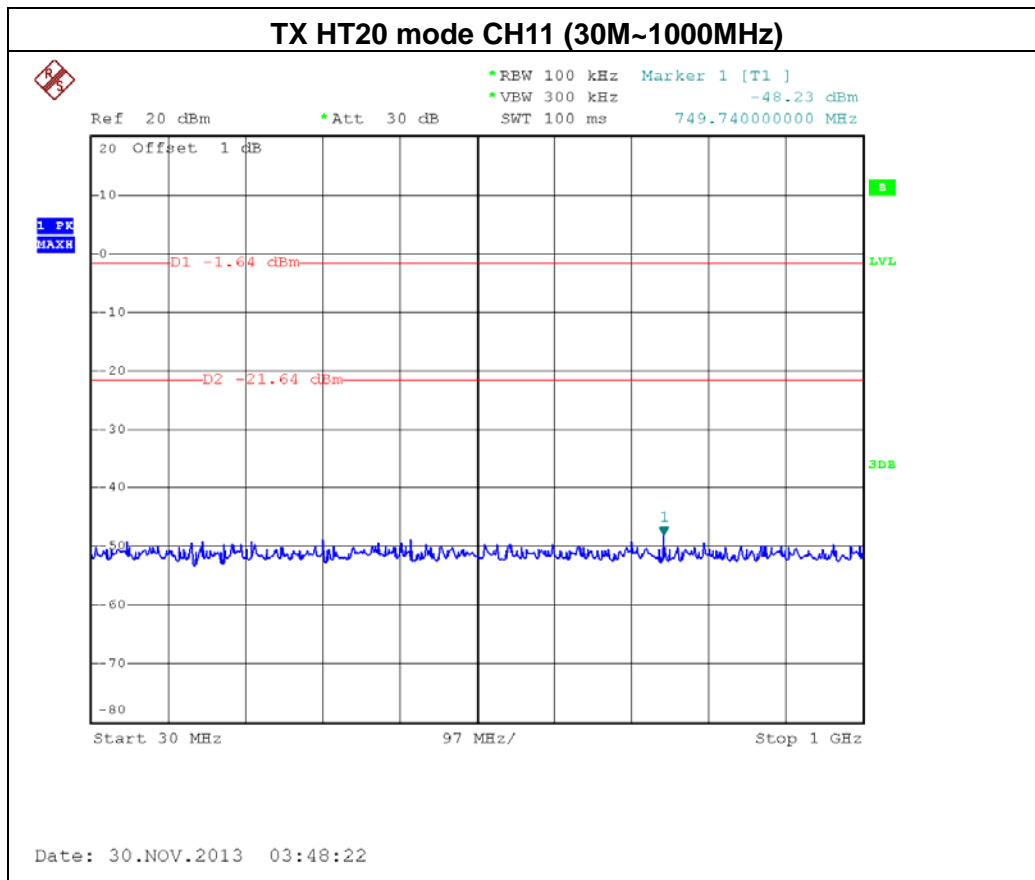


Date: 30.NOV.2013 03:41:44

TX HT20 mode CH06 (1000MHz~10th Harmonic)



Date: 30.NOV.2013 03:42:27



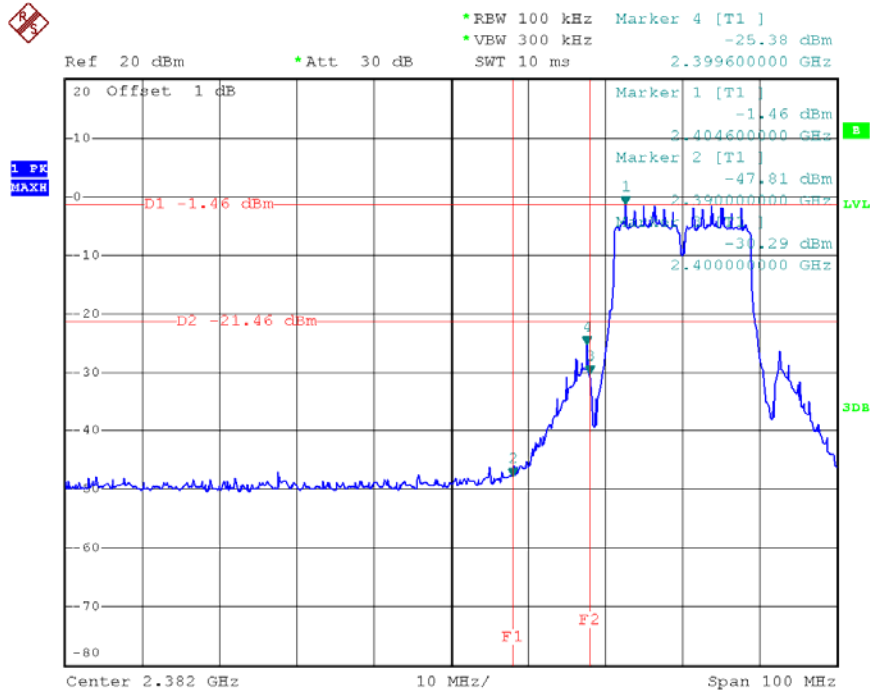


| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N-20M MODE / CH01, CH06 , CH11-ANT 1 | | |

| Channel of Worst Data: CH01 | | | |
|---|------------|--|------------|
| The max. radio frequency power in any 100kHz bandwidth outside the frequency band | | The max. radio frequency power in any 100 kHz bandwidth within the frequency band. | |
| FREQUENCY(MHz) | POWER(dBm) | FREQUENCY(MHz) | POWER(dBm) |
| 2399.60 | -25.38 | 2489.80 | -46.47 |
| Result | | | |
| In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power. | | | |

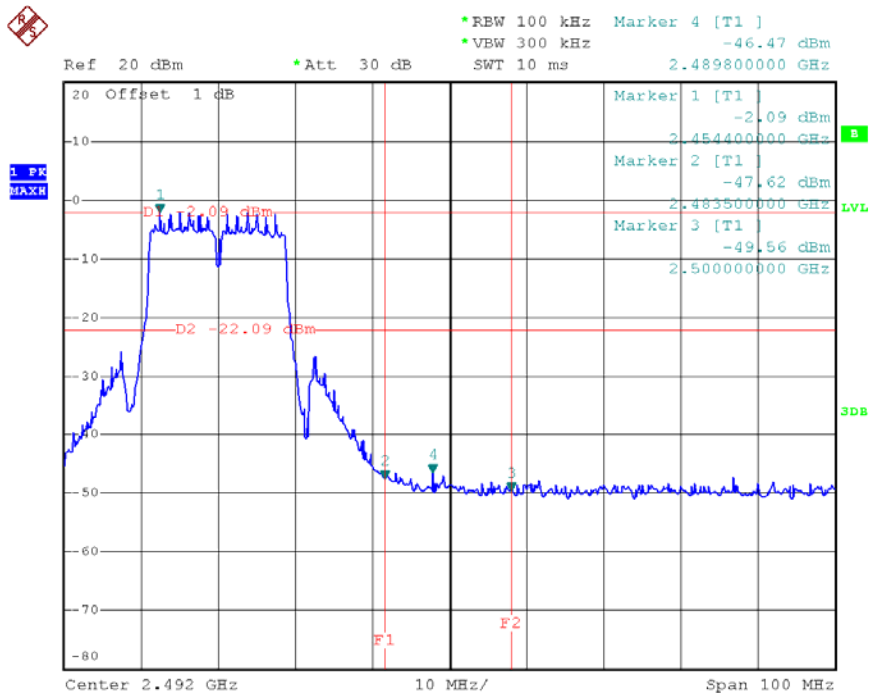


TX HT20 mode CH01



Date: 30.NOV.2013 03:36:26

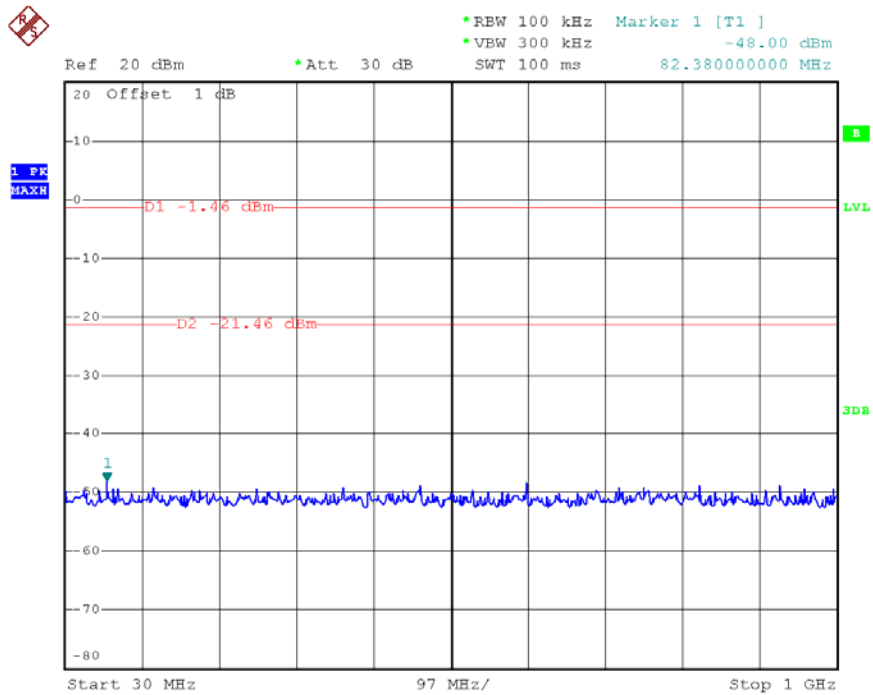
TX HT20 mode CH11



Date: 30.NOV.2013 03:50:24

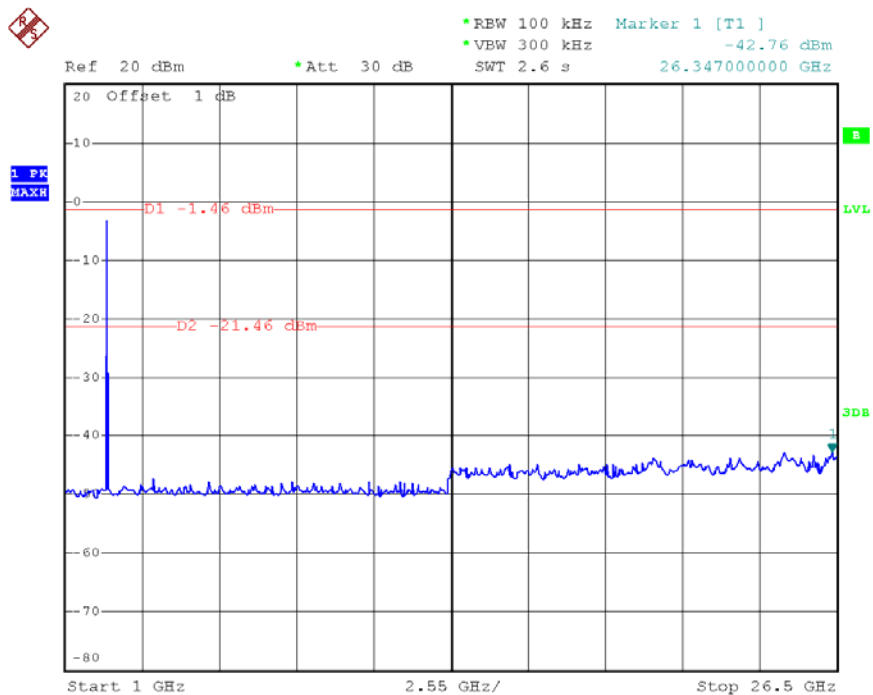


TX HT20 mode CH01 (30M~1000MHz)



Date: 30.NOV.2013 03:36:39

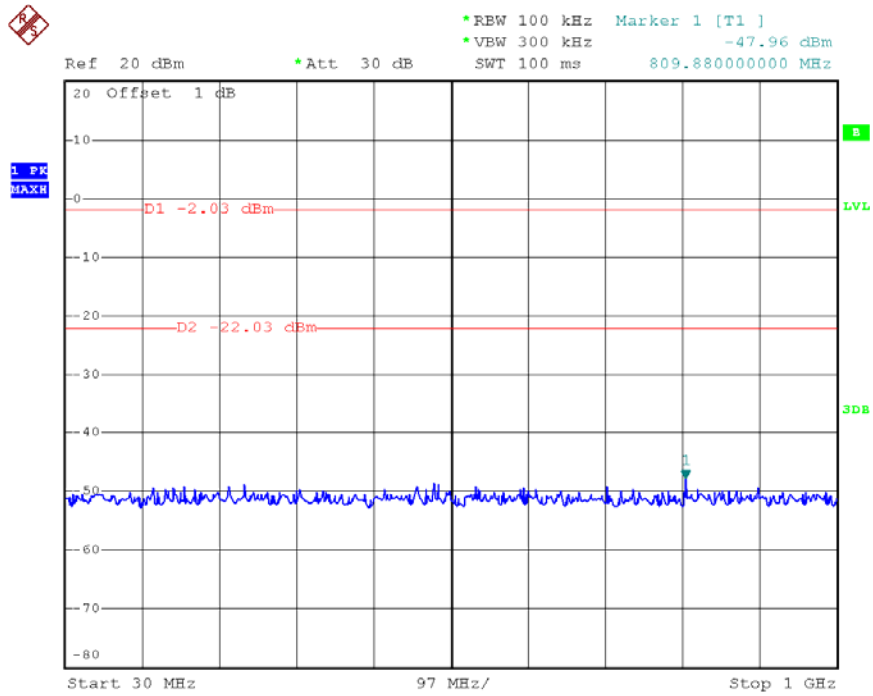
TX HT20 mode CH01 (1000MHz~10th Harmonic)



Date: 30.NOV.2013 03:37:16

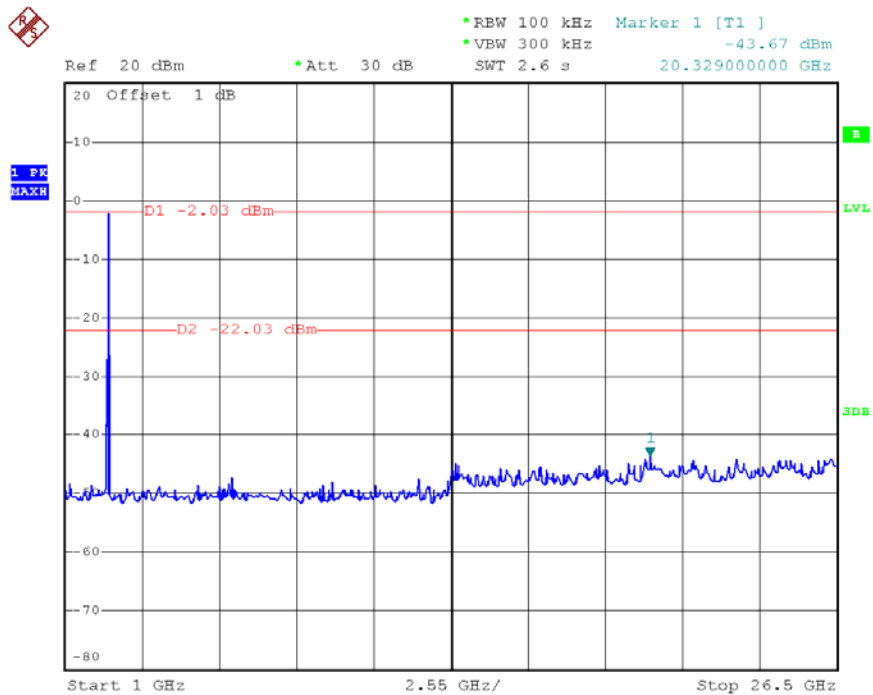


TX HT20 mode CH06 (30M~1000MHz)



Date: 30.NOV.2013 03:42:52

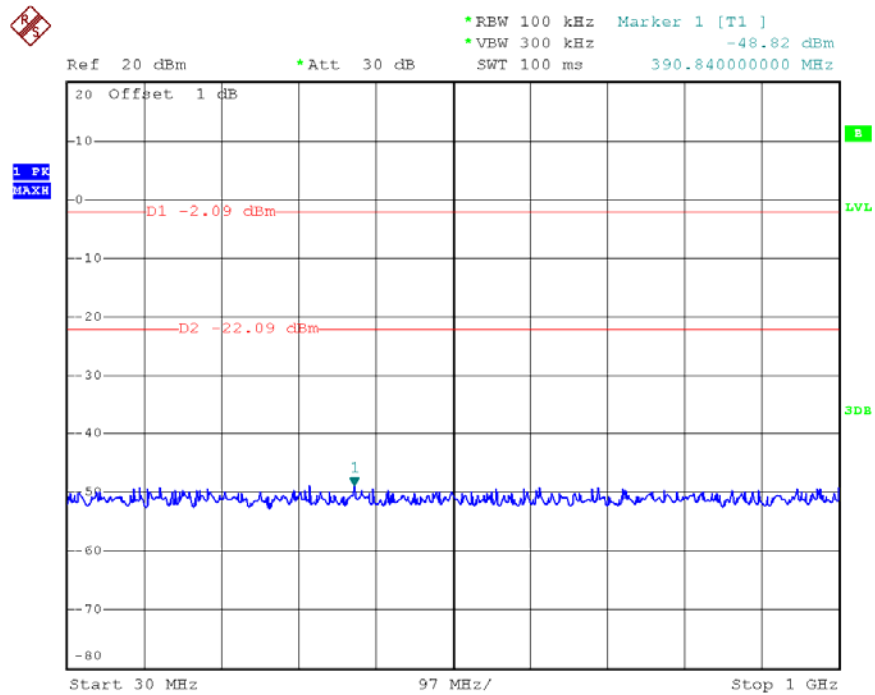
TX HT20 mode CH06 (1000MHz~10th Harmonic)



Date: 30.NOV.2013 03:43:02

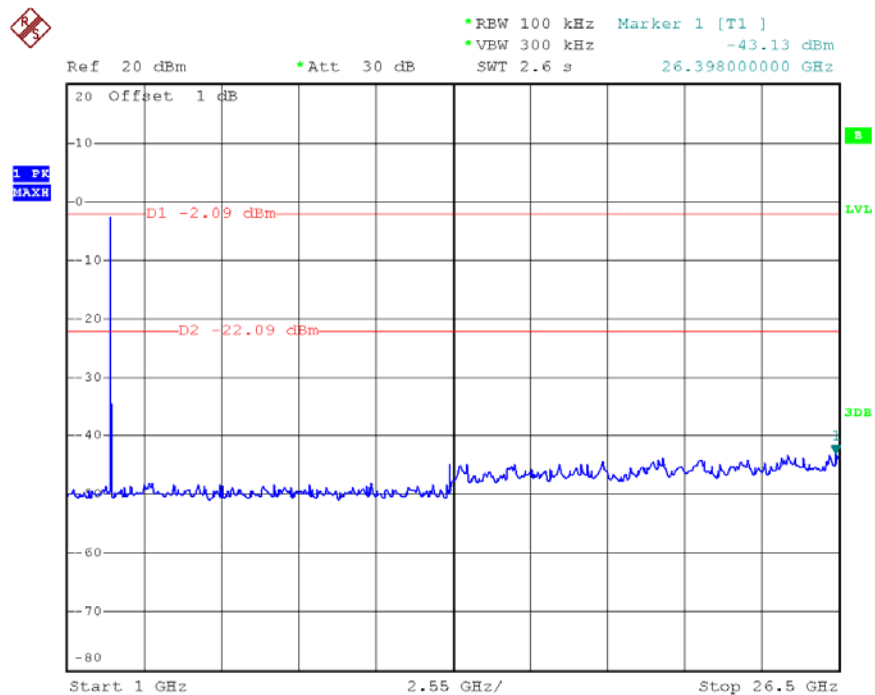


TX HT20 mode CH11 (30M~1000MHz)



Date: 30.NOV.2013 03:50:38

TX HT20 mode CH11 (1000MHz~10th Harmonic)



Date: 30.NOV.2013 03:51:00

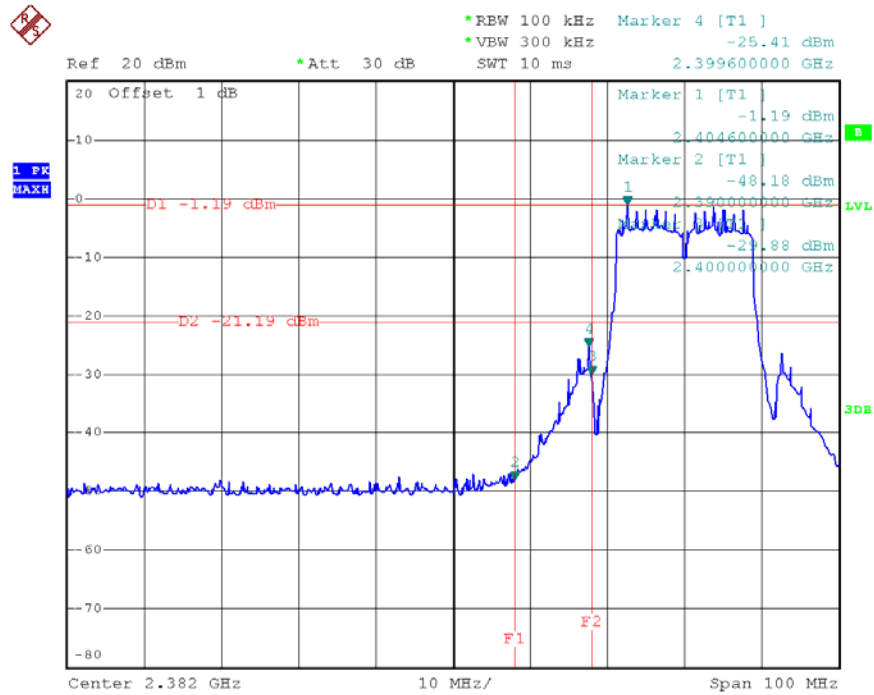


| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N-20M MODE / CH01, CH06 , CH11-ANT 2 | | |

| Channel of Worst Data: CH01 | | | |
|---|------------|--|------------|
| The max. radio frequency power in any 100kHz bandwidth outside the frequency band | | The max. radio frequency power in any 100 kHz bandwidth within the frequency band. | |
| FREQUENCY(MHz) | POWER(dBm) | FREQUENCY(MHz) | POWER(dBm) |
| 2399.60 | -25.41 | 2483.50 | -47.61 |
| Result | | | |
| In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power. | | | |

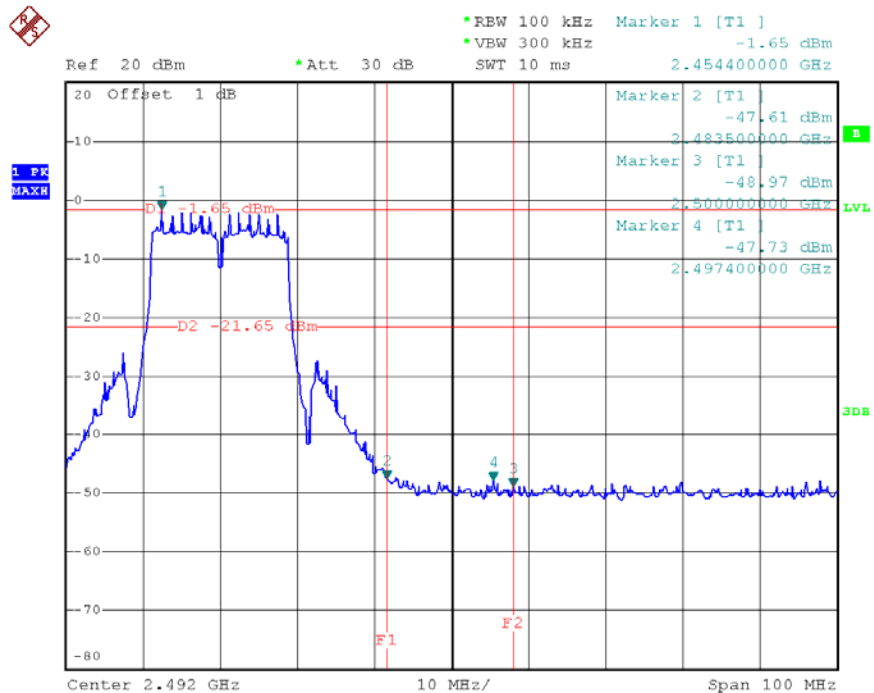


TX HT20 mode CH01



Date: 30.NOV.2013 03:37:54

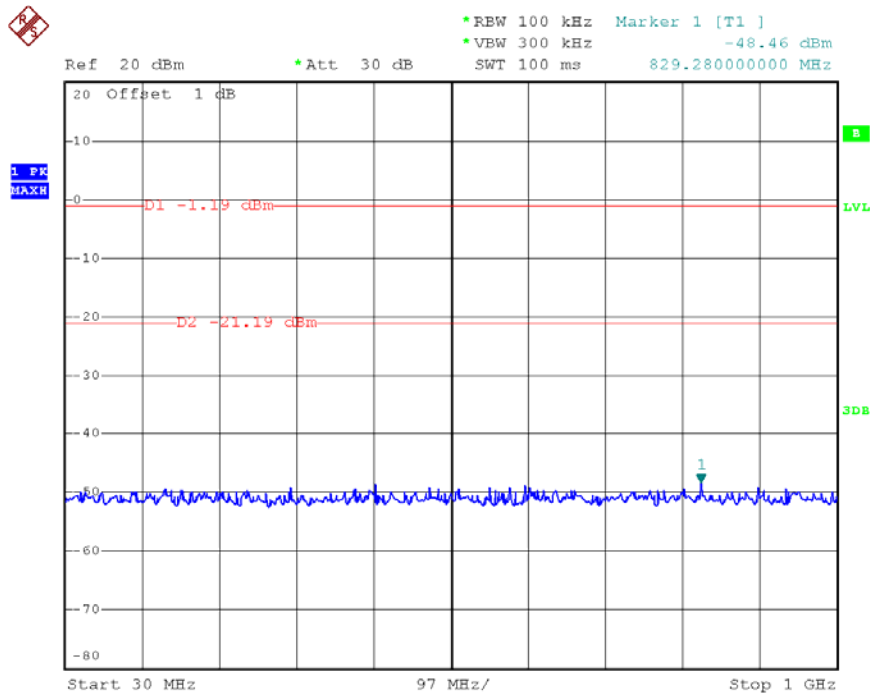
TX HT20 mode CH11



Date: 30.NOV.2013 03:51:41

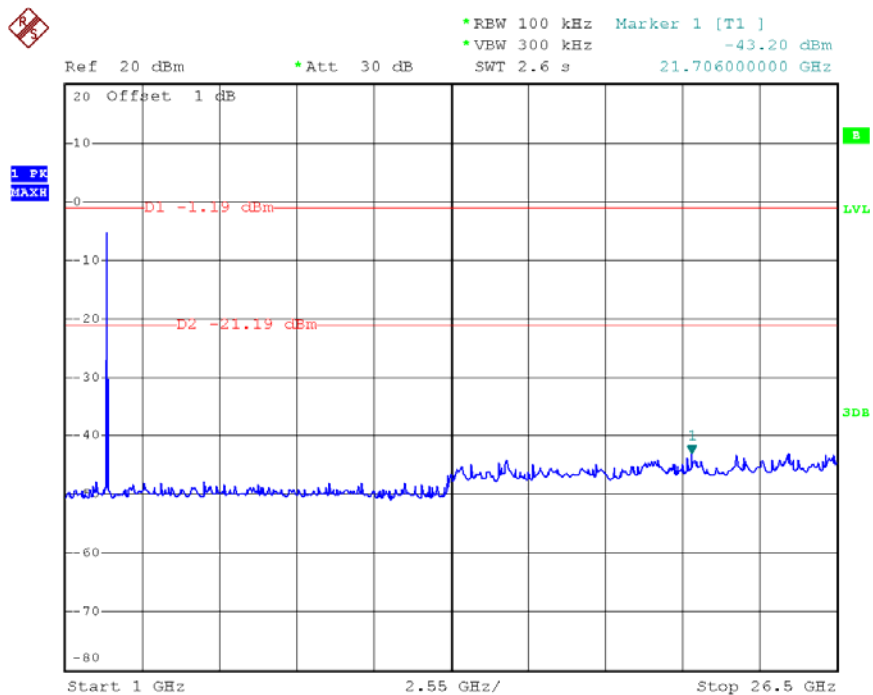


TX HT20 mode CH01 (30M~1000MHz)



Date: 30.NOV.2013 03:38:06

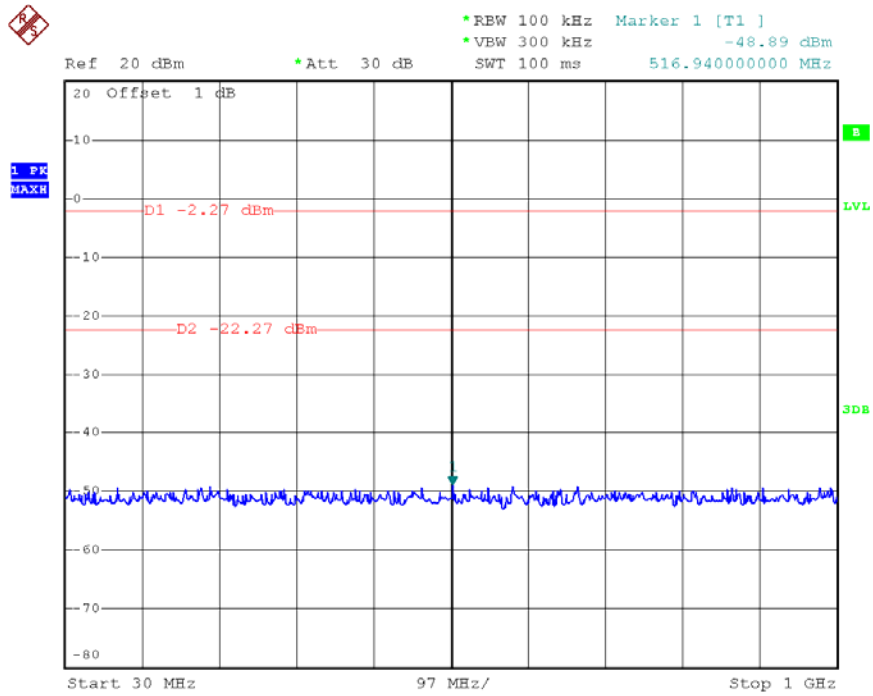
TX HT20 mode CH01 (1000MHz~10th Harmonic)



Date: 30.NOV.2013 03:38:30

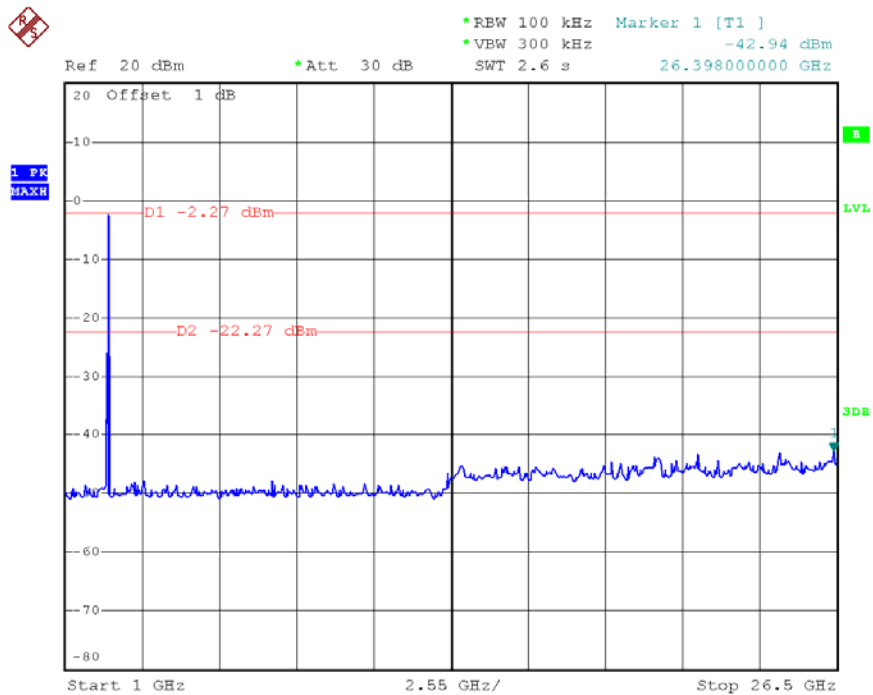


TX HT20 mode CH06 (30M~1000MHz)



Date: 30.NOV.2013 03:43:36

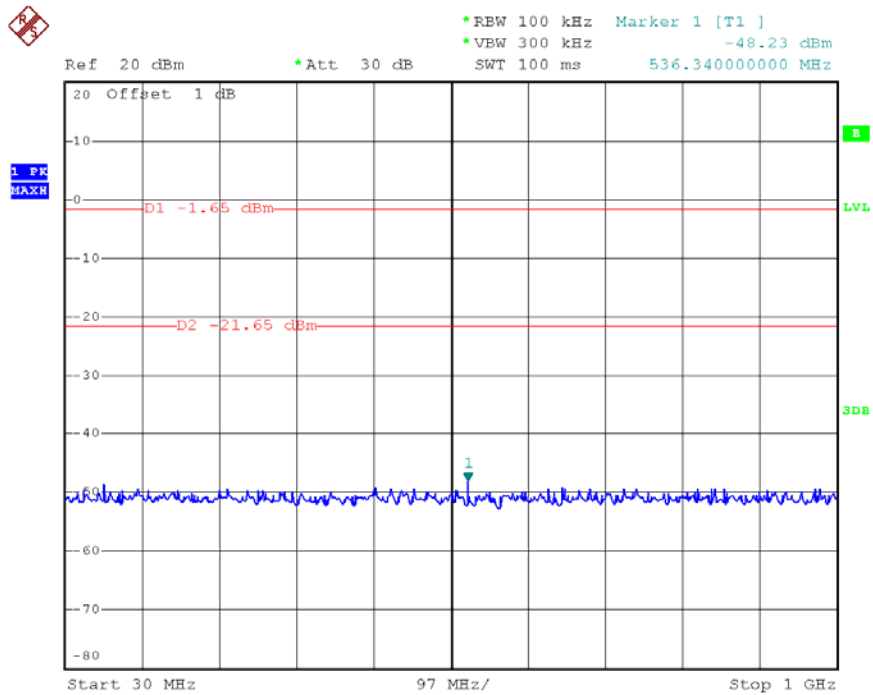
TX HT20 mode CH06 (1000MHz~10th Harmonic)



Date: 30.NOV.2013 03:44:10

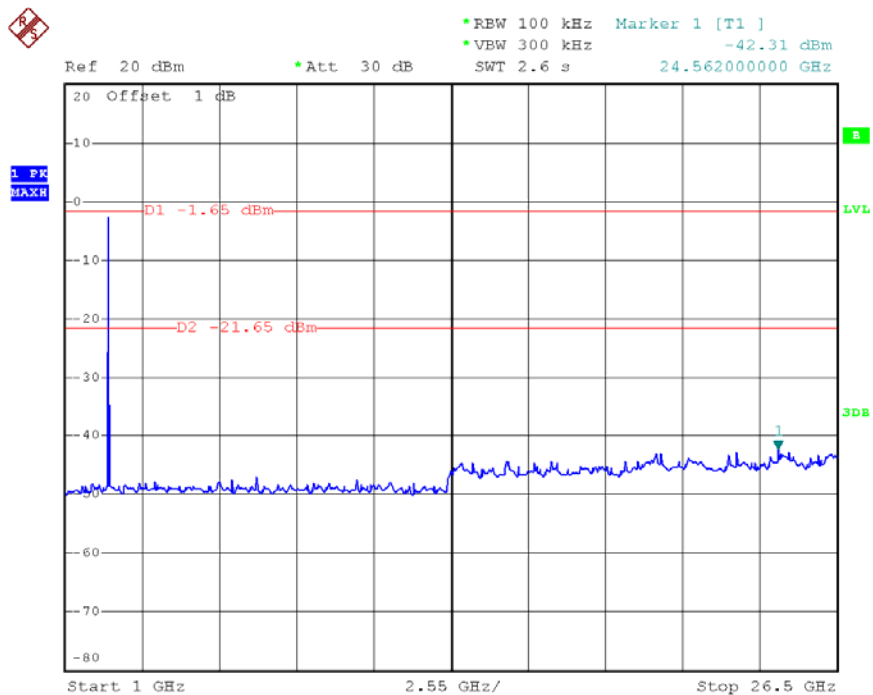


TX HT20 mode CH11 (30M~1000MHz)



Date: 30.NOV.2013 03:51:59

TX HT20 mode CH11 (1000MHz~10th Harmonic)



Date: 30.NOV.2013 03:53:14

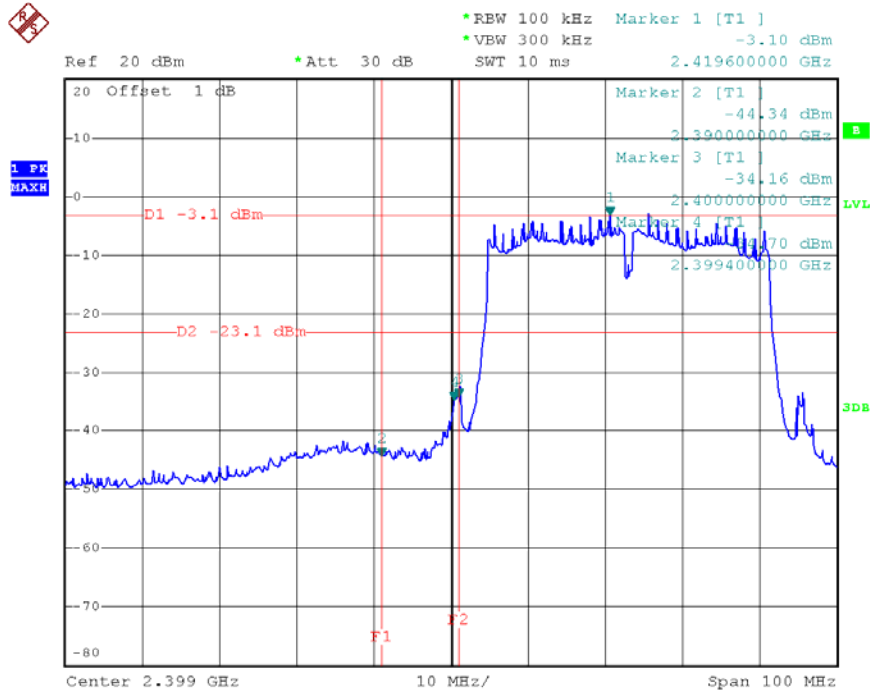


| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N-40M MODE / CH03, CH06 , CH09-ANT 0 | | |

| Channel of Worst Data: CH09 | | | |
|---|------------|--|------------|
| The max. radio frequency power in any 100kHz bandwidth outside the frequency band | | The max. radio frequency power in any 100 kHz bandwidth within the frequency band. | |
| FREQUENCY(MHz) | POWER(dBm) | FREQUENCY(MHz) | POWER(dBm) |
| 2400.00 | -34.16 | 2489.80 | -46.77 |
| Result | | | |
| In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power. | | | |

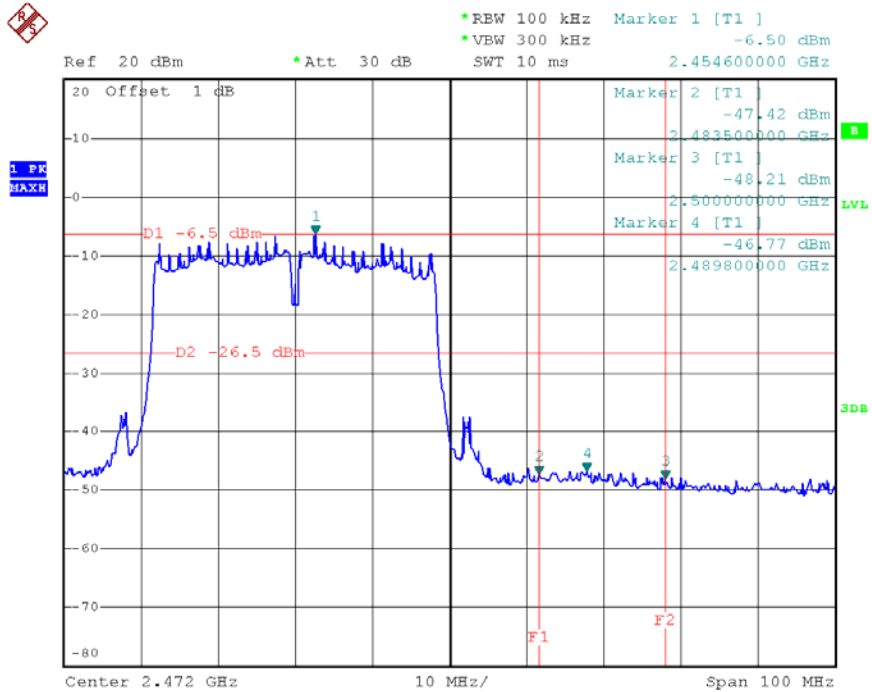


TX HT40 mode CH03

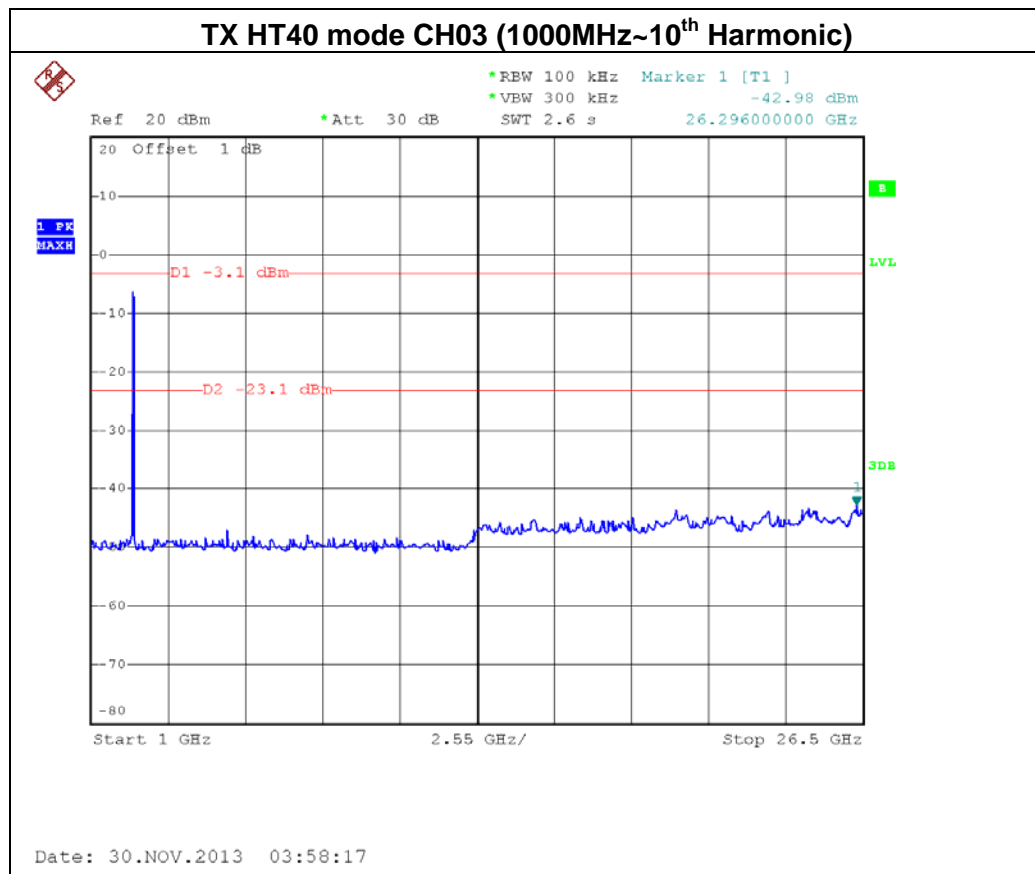
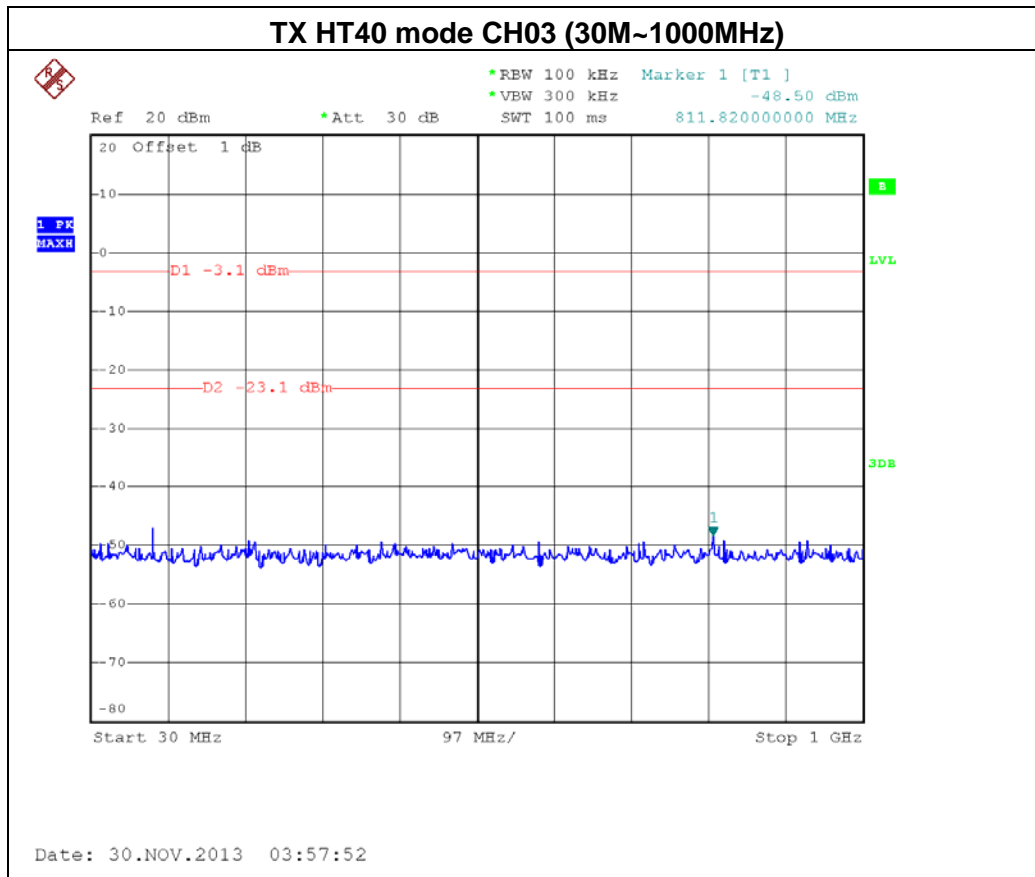


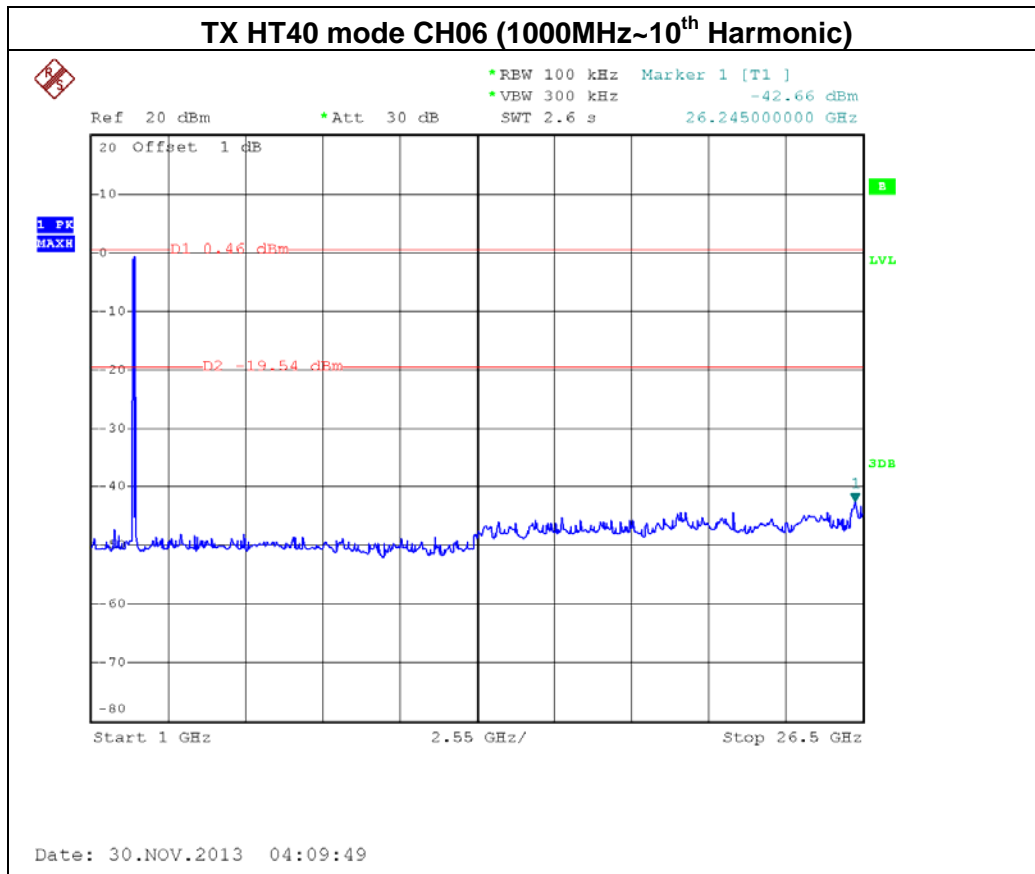
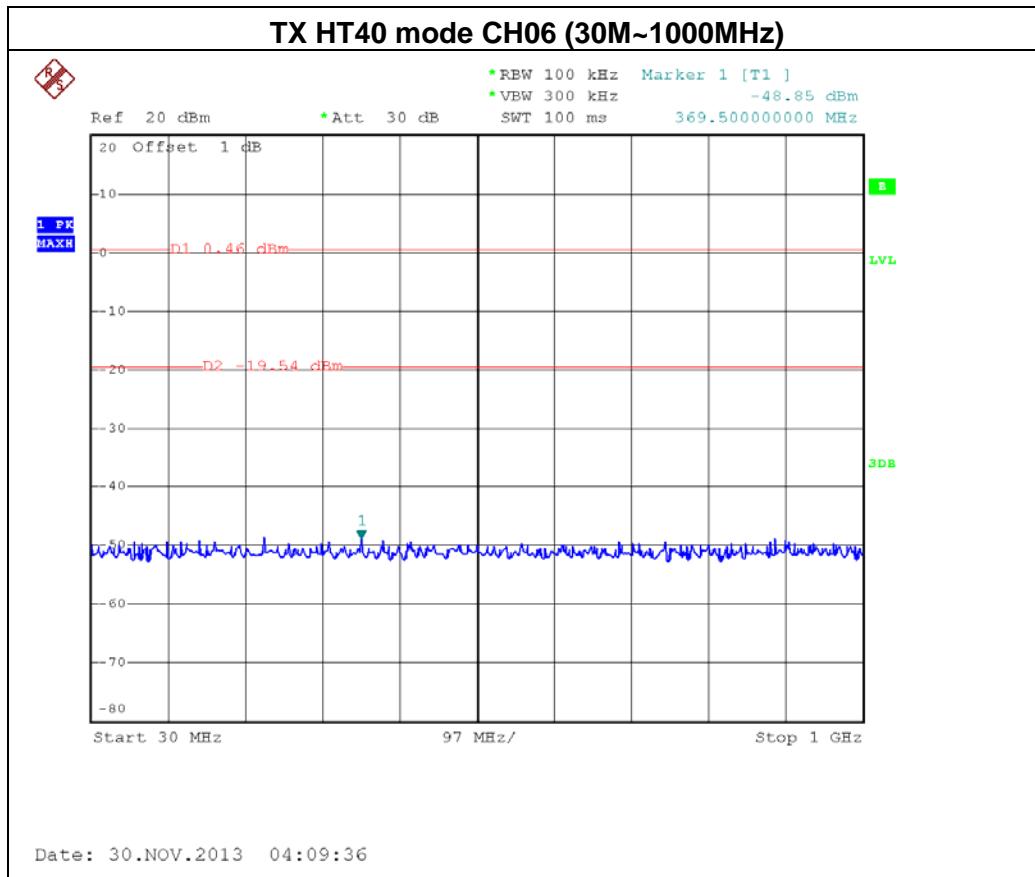
Date: 30.NOV.2013 03:57:41

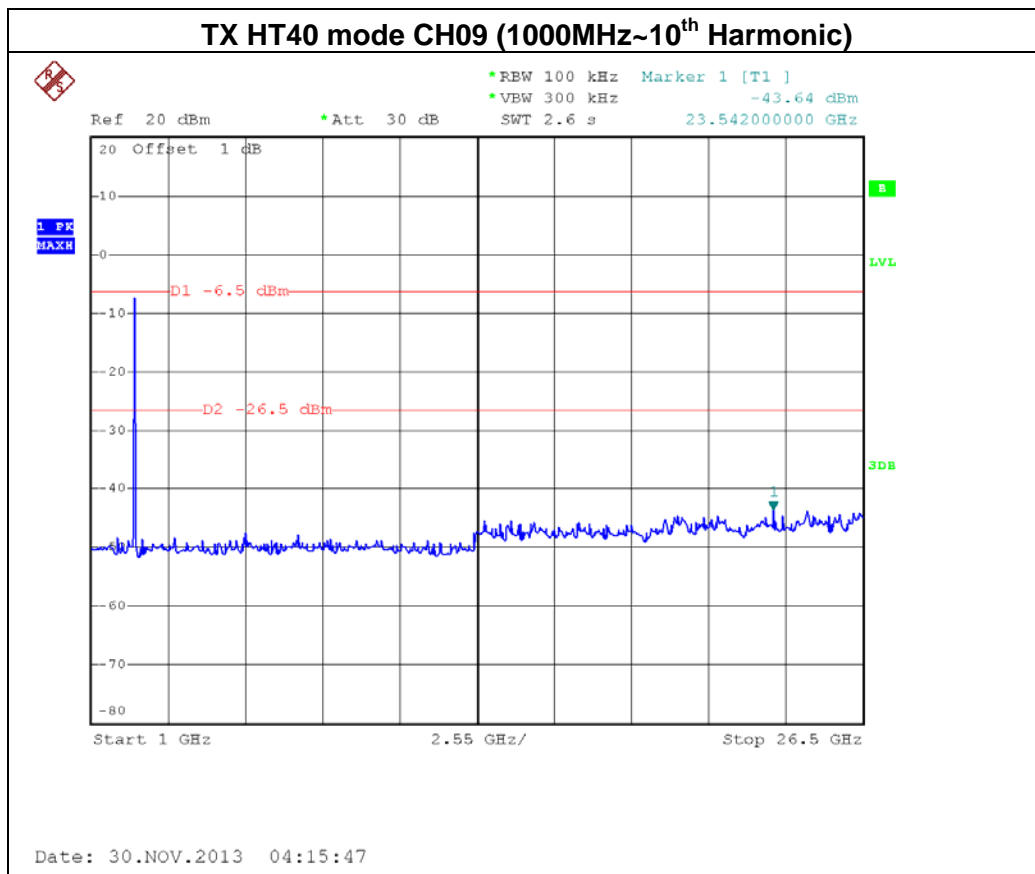
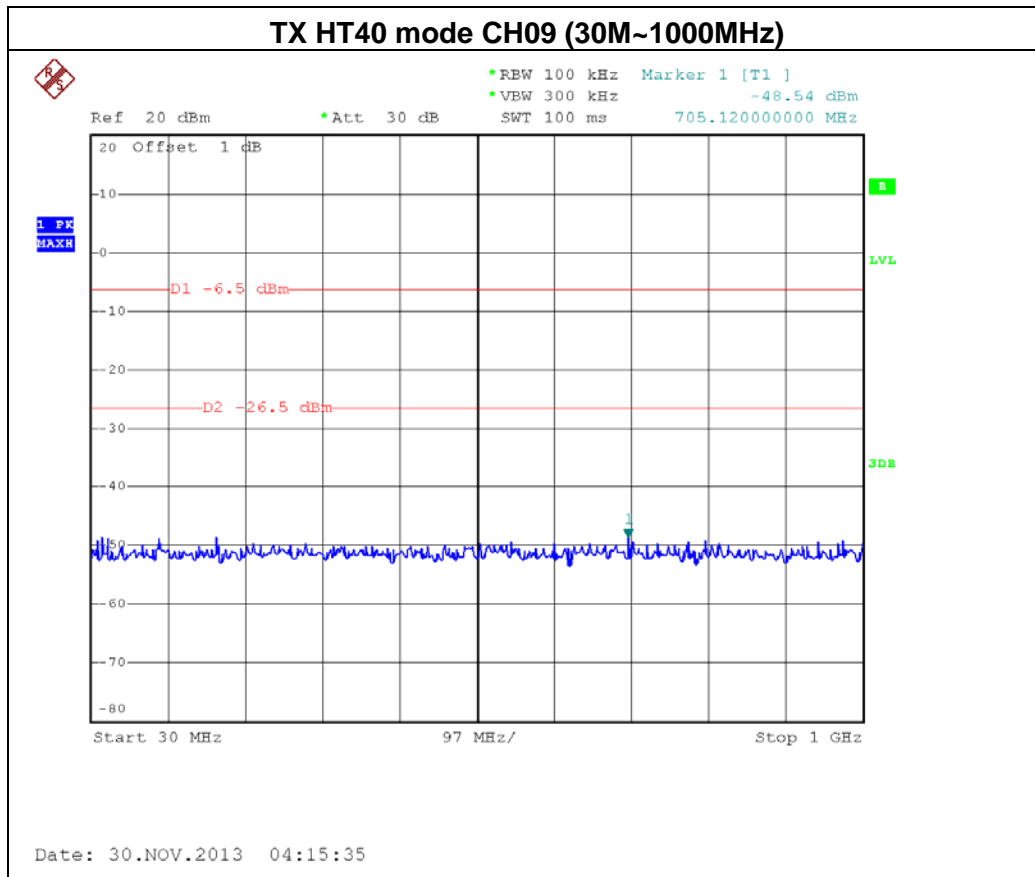
TX HT40 mode CH09



Date: 30.NOV.2013 04:15:24







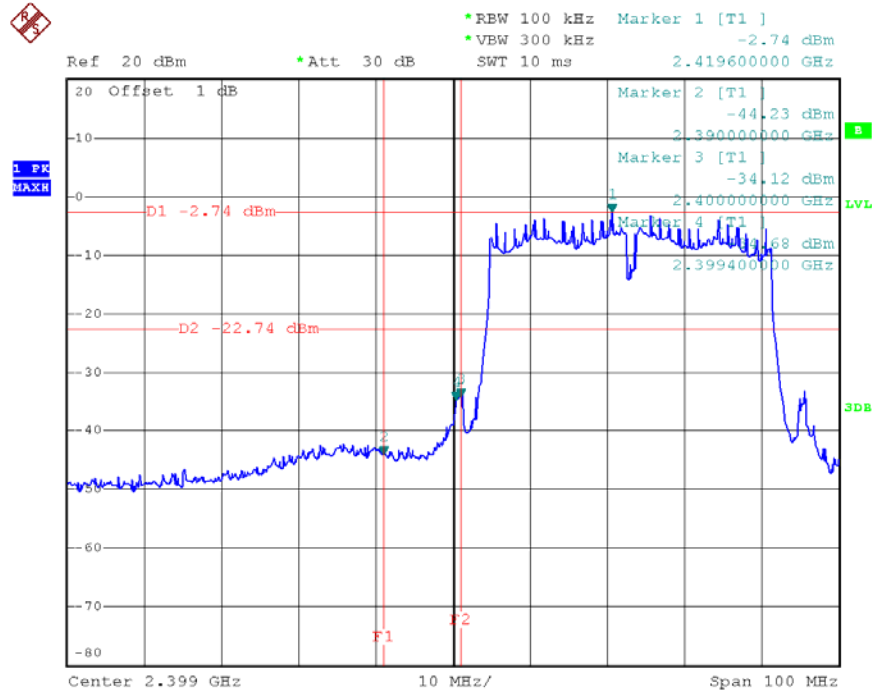


| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N-40M MODE / CH03, CH06 , CH09-ANT 1 | | |

| Channel of Worst Data: CH09 | | | |
|---|------------|--|------------|
| The max. radio frequency power in any 100kHz bandwidth outside the frequency band | | The max. radio frequency power in any 100 kHz bandwidth within the frequency band. | |
| FREQUENCY(MHz) | POWER(dBm) | FREQUENCY(MHz) | POWER(dBm) |
| 2400.00 | -34.12 | 2493.40 | -46.21 |
| Result | | | |
| In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power. | | | |

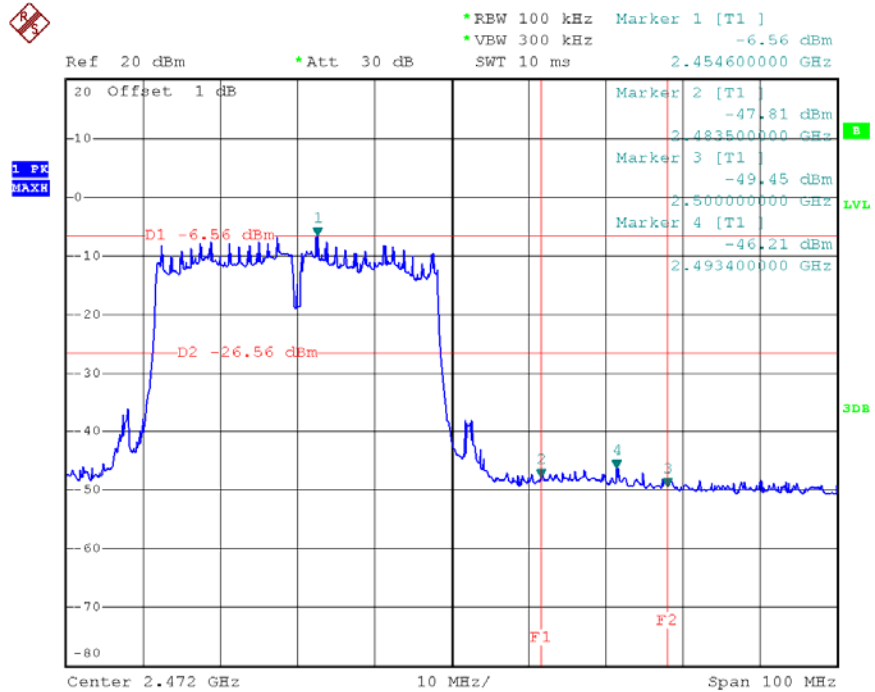


TX HT40 mode CH03

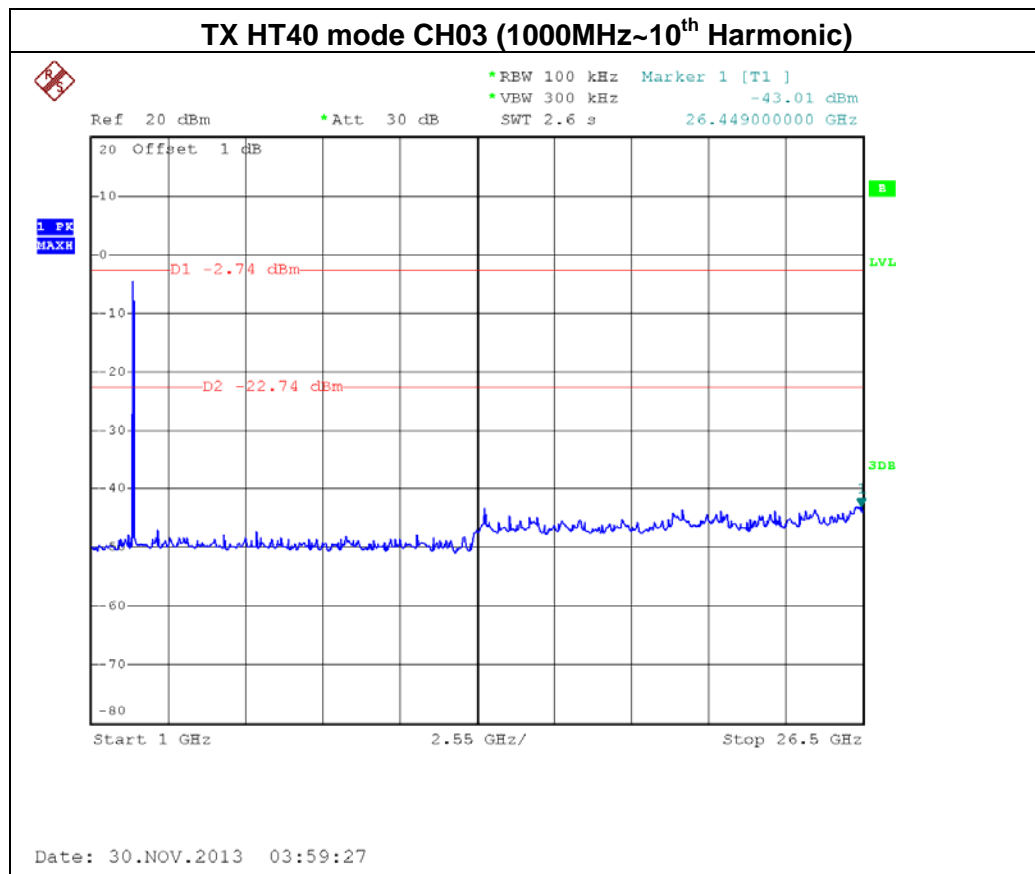
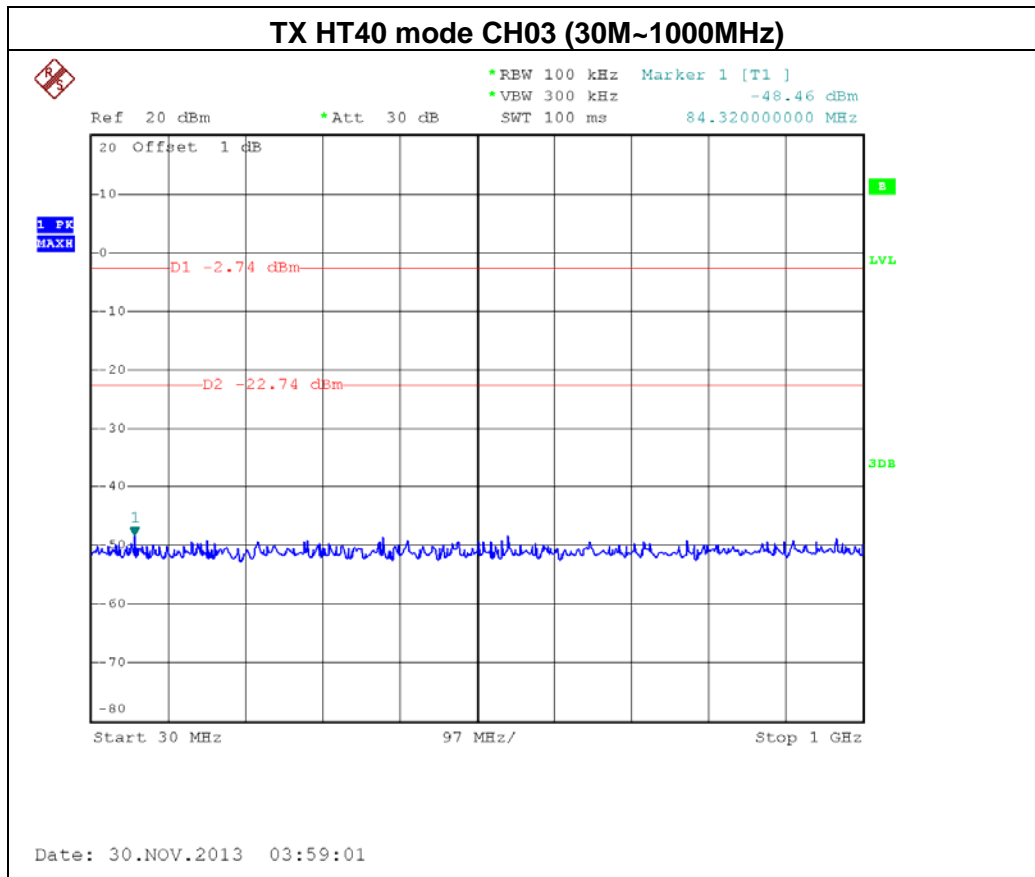


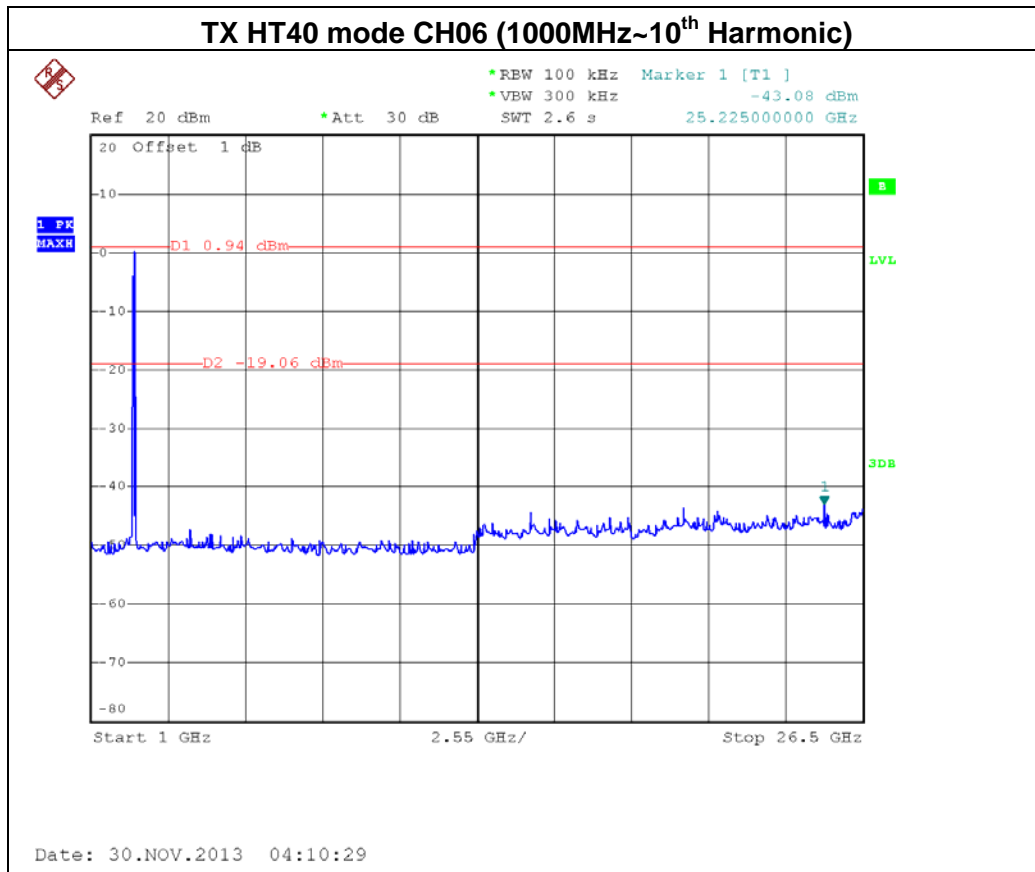
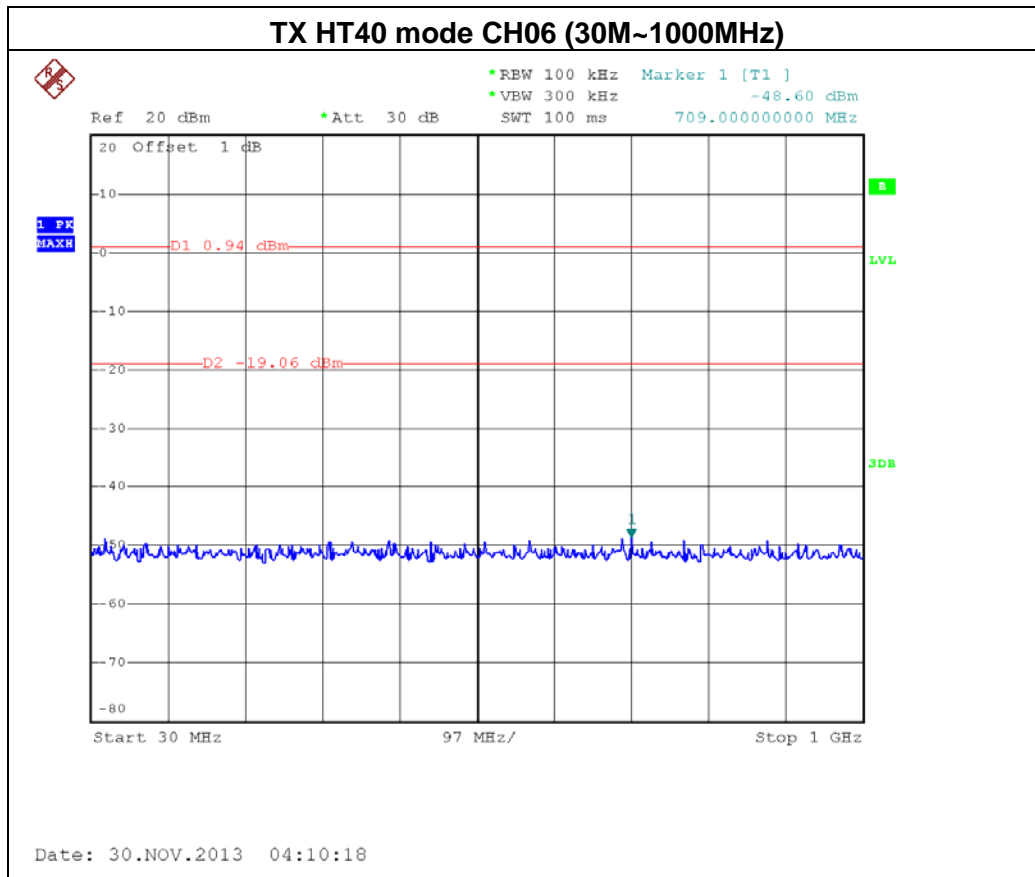
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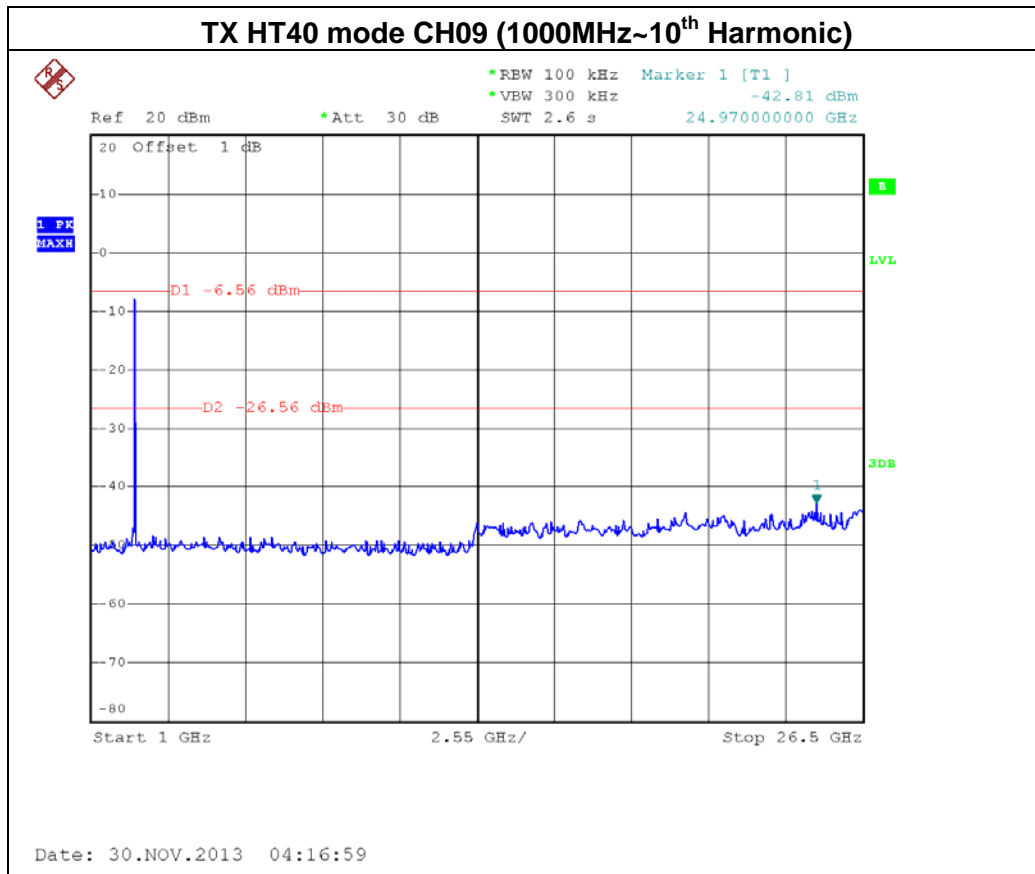
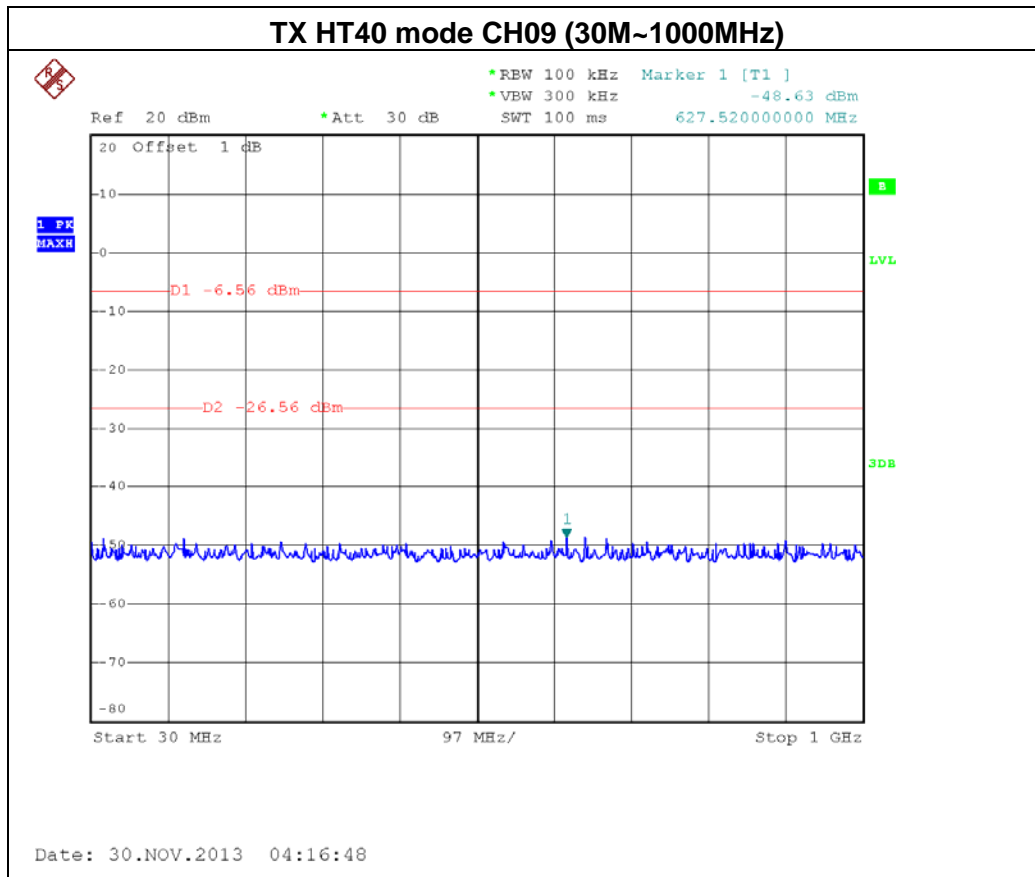
TX HT40 mode CH09



Date: 30.NOV.2013 04:16:36



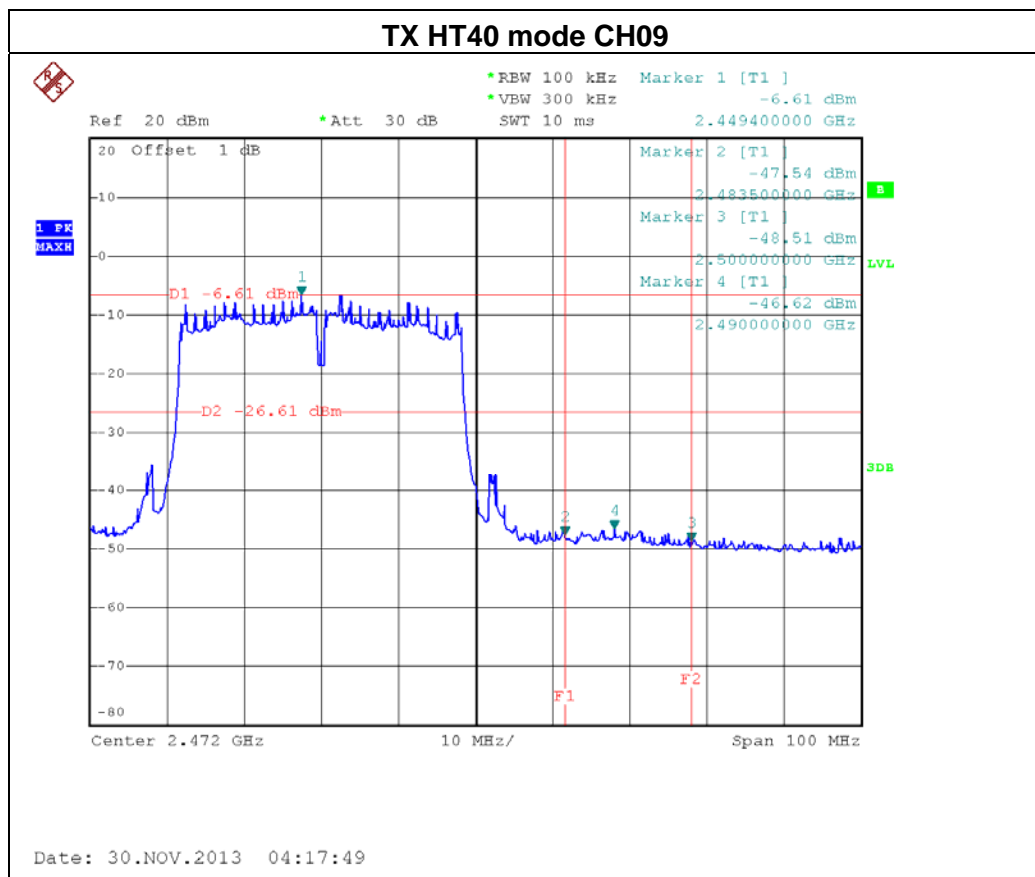
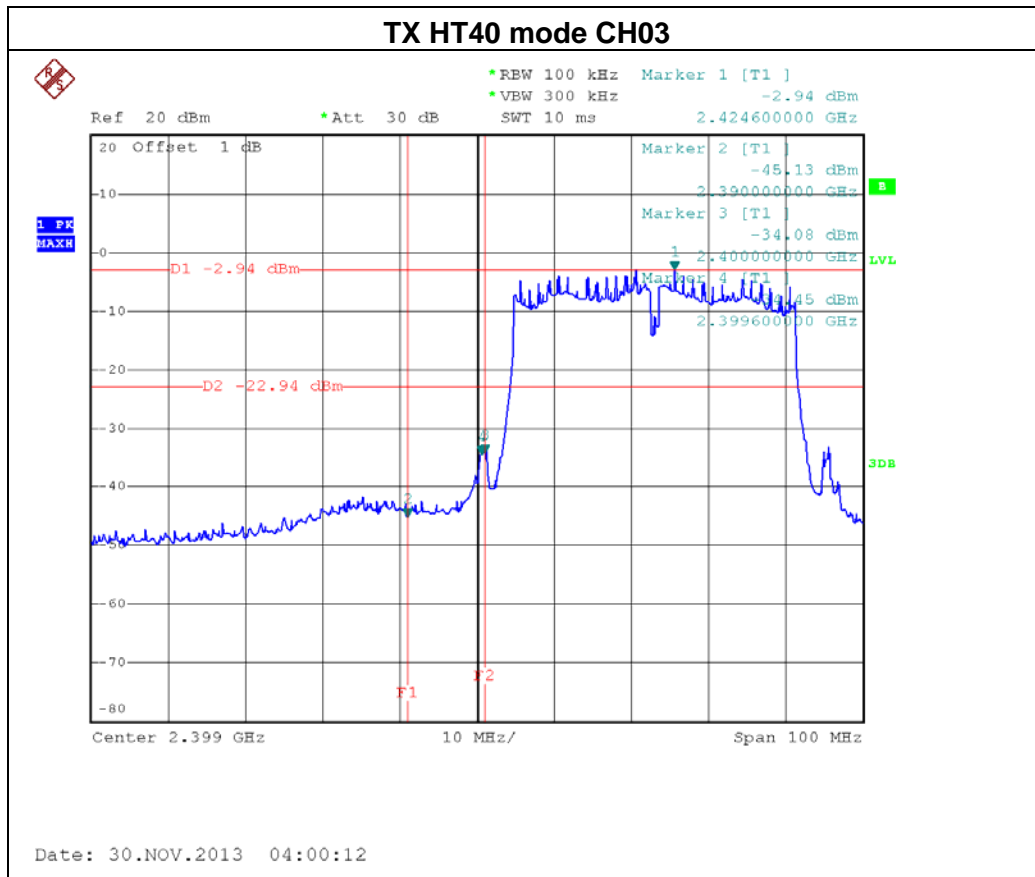


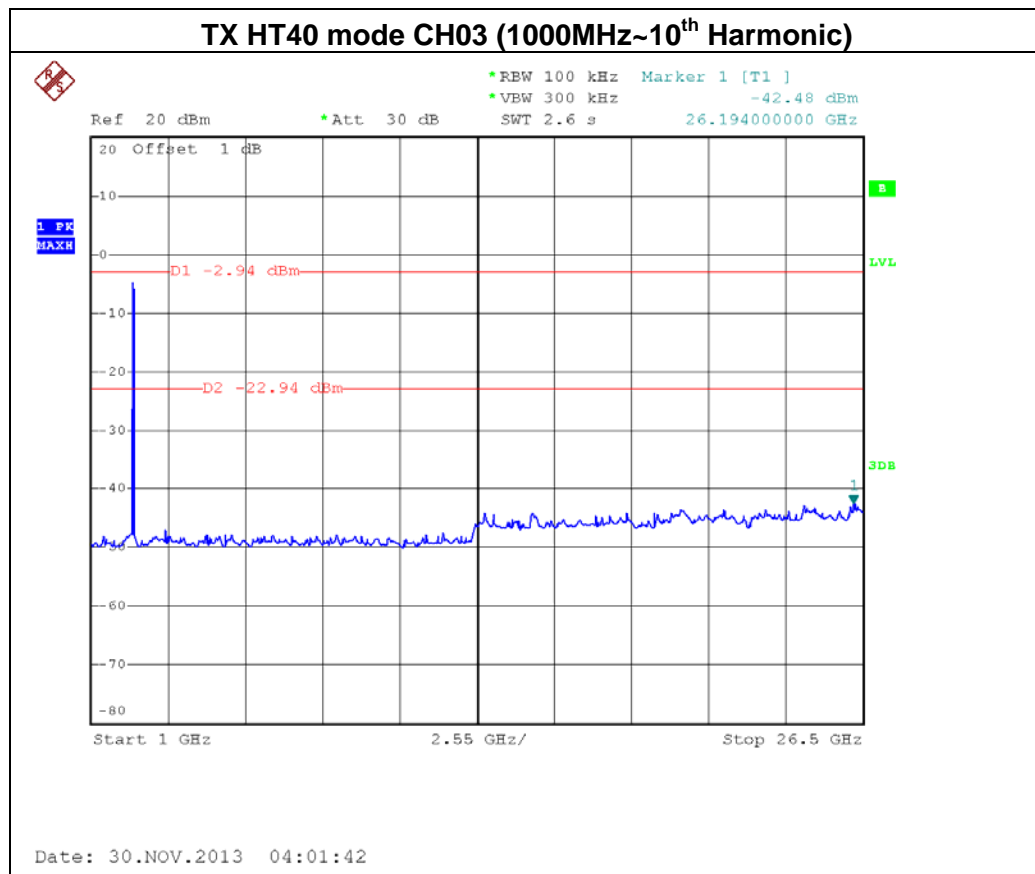
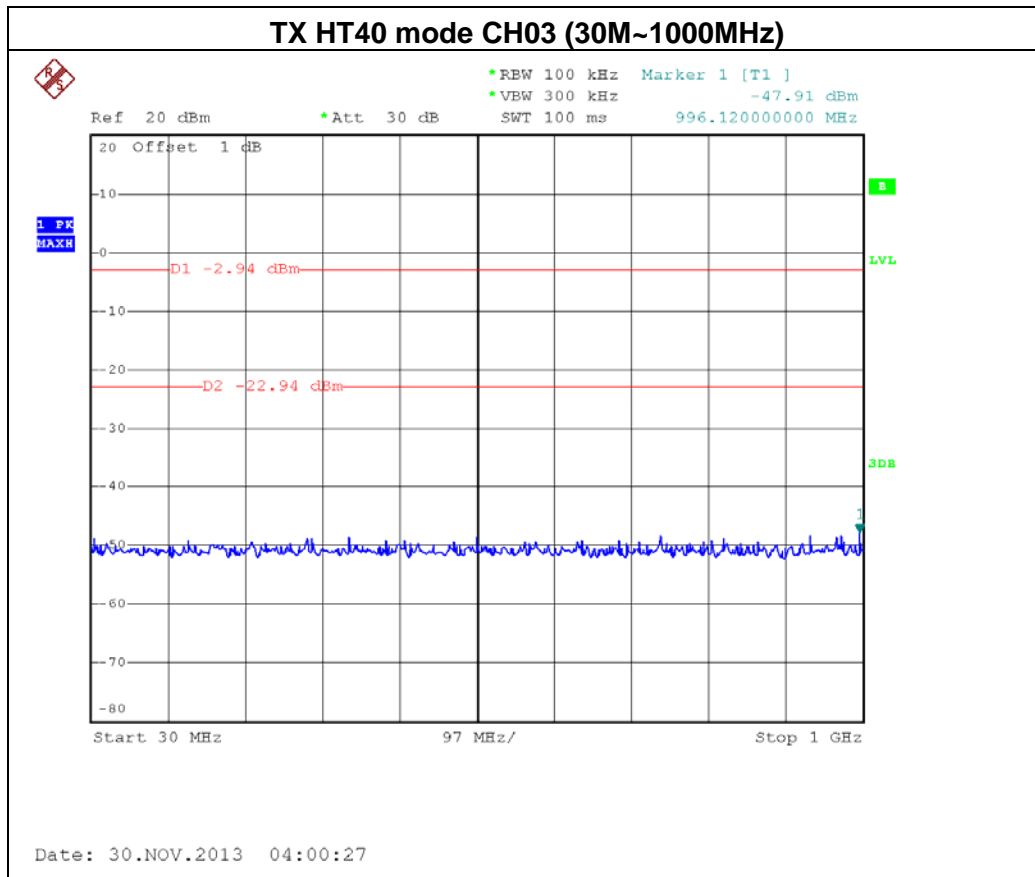


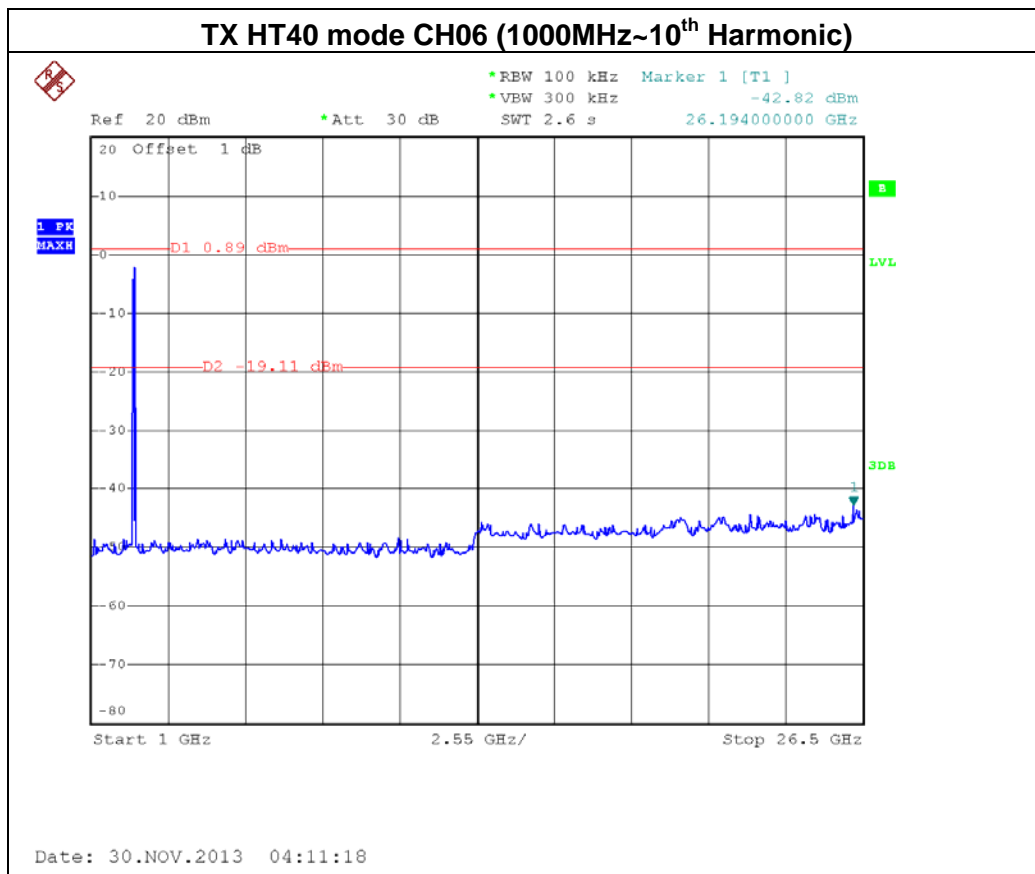
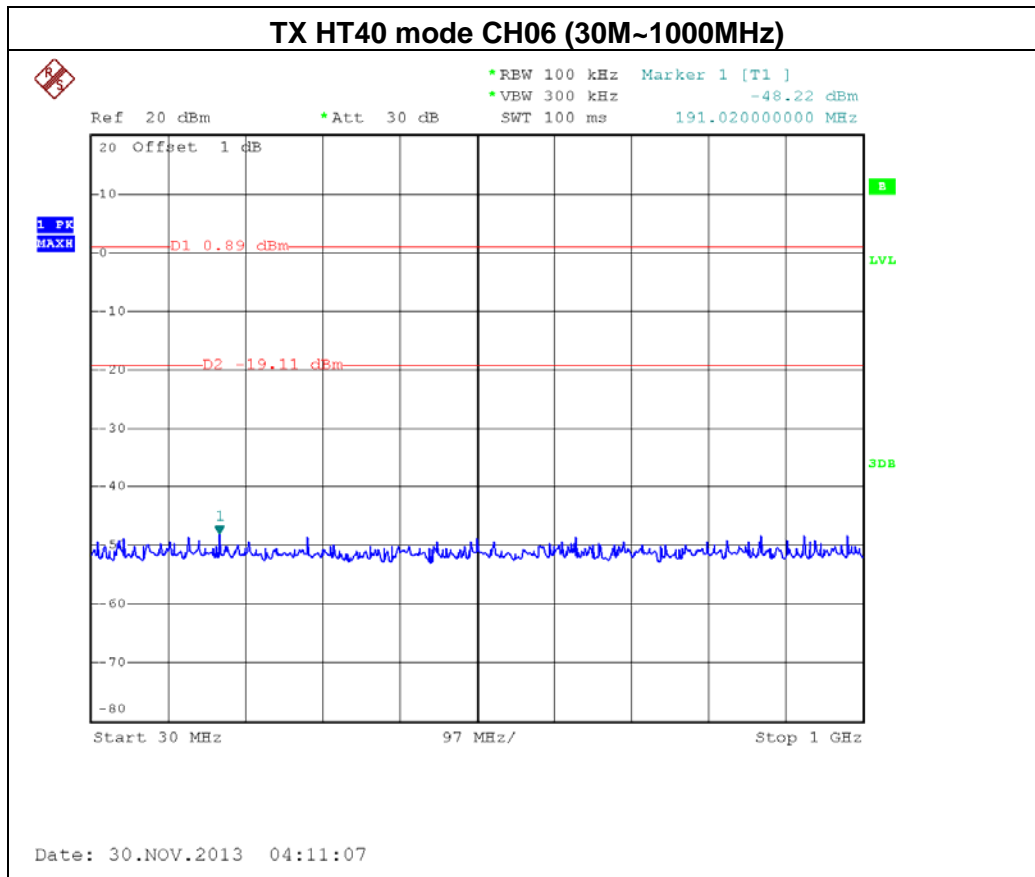


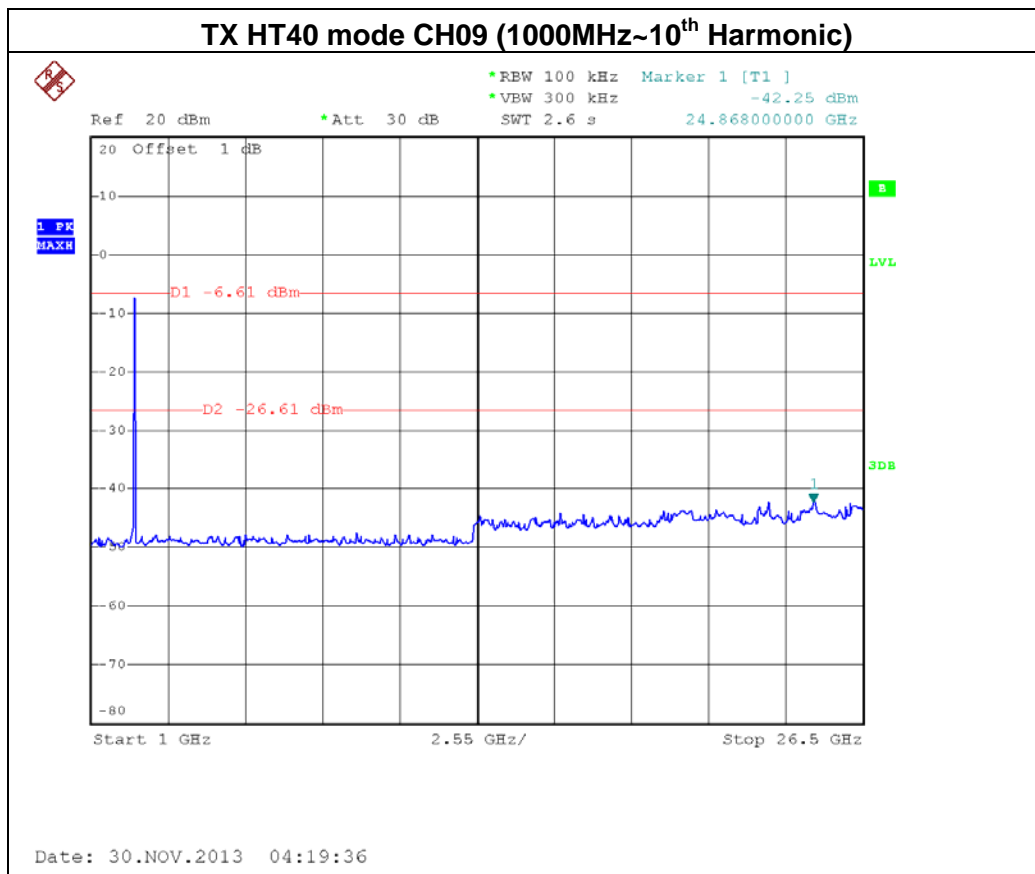
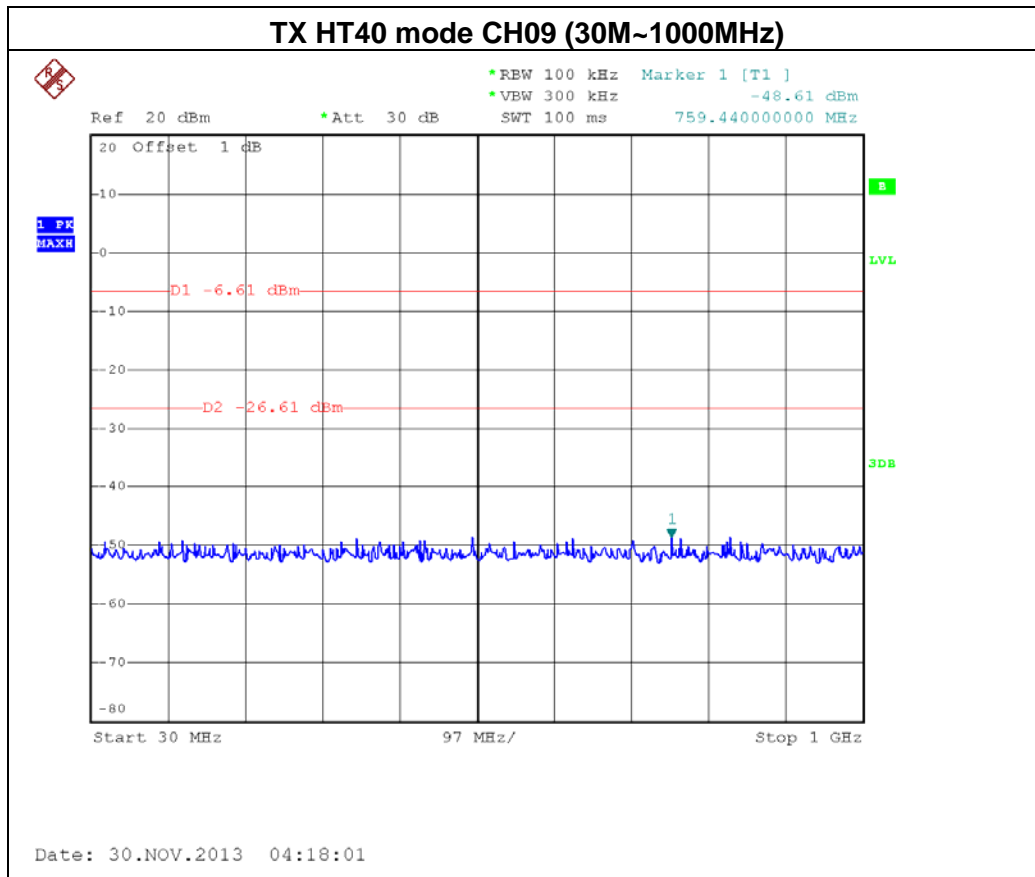
| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N-40M MODE / CH03, CH06 , CH09-ANT 2 | | |

| Channel of Worst Data: CH09 | | | |
|---|------------|--|------------|
| The max. radio frequency power in any 100kHz bandwidth outside the frequency band | | The max. radio frequency power in any 100 kHz bandwidth within the frequency band. | |
| FREQUENCY(MHz) | POWER(dBm) | FREQUENCY(MHz) | POWER(dBm) |
| 2400.00 | -34.08 | 2490.00 | -46.62 |
| Result | | | |
| In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power. | | | |











8. POWER SPECTRAL DENSITY TEST

8.1 Applied procedures / limit

| FCC Part15 (15.247) , Subpart C | | | | |
|---------------------------------|------------------------|------------------------|-----------------------|--------|
| Section | Test Item | Limit | Frequency Range (MHz) | Result |
| 15.247(e) | Power Spectral Density | 8 dBm (in any 3KHz) | 2400-2483.5 | PASS |

8.1.1 MEASUREMENT INSTRUMENTS LIST

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|-------------------|--------------|----------|------------|------------------|
| 1 | Spectrum Analyzer | R&S | FSP 40 | 100185 | Nov. 09, 2014 |

Remark: "N/A" denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

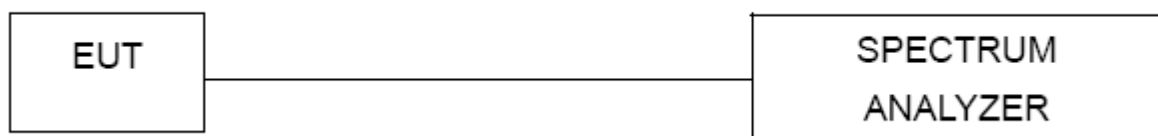
8.1.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting: RBW=3KHz, VBW=10 KHz, Sweep time = Auto.

8.1.3 DEVIATION FROM STANDARD

No deviation.

8.1.4 TEST SETUP



8.1.5 EUT OPERATION CONDITIONS

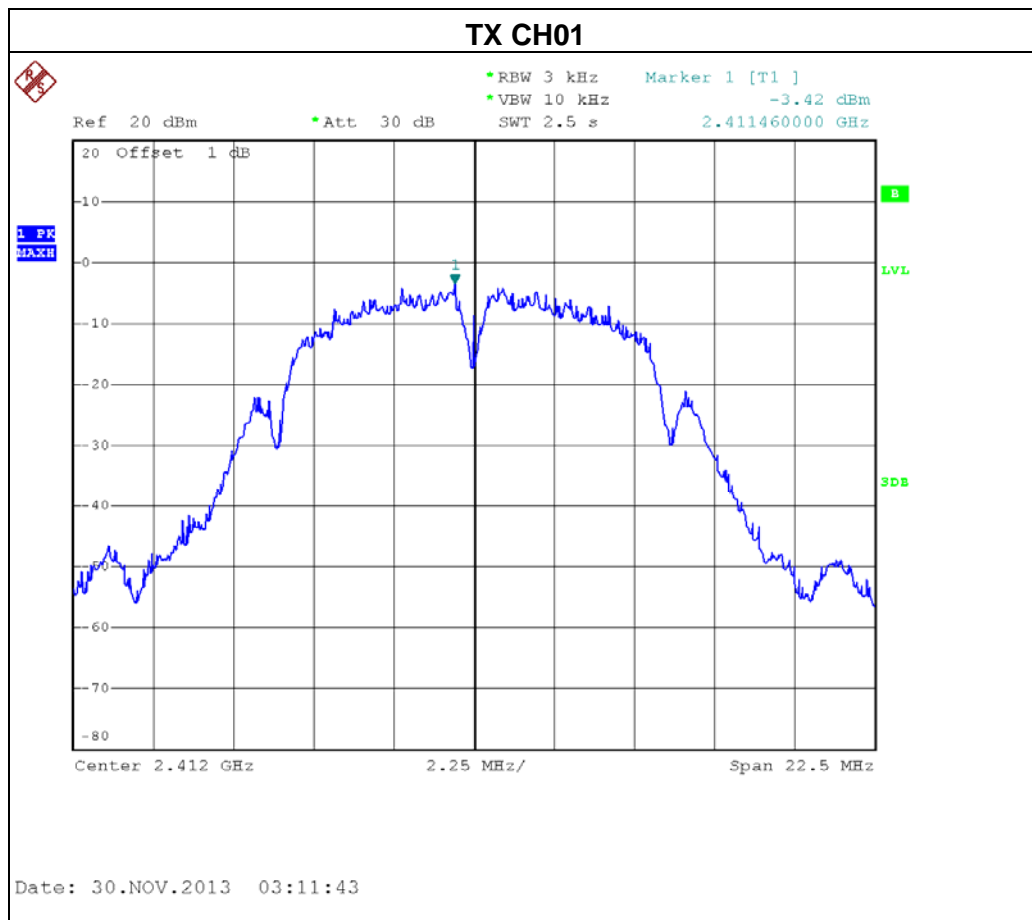
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

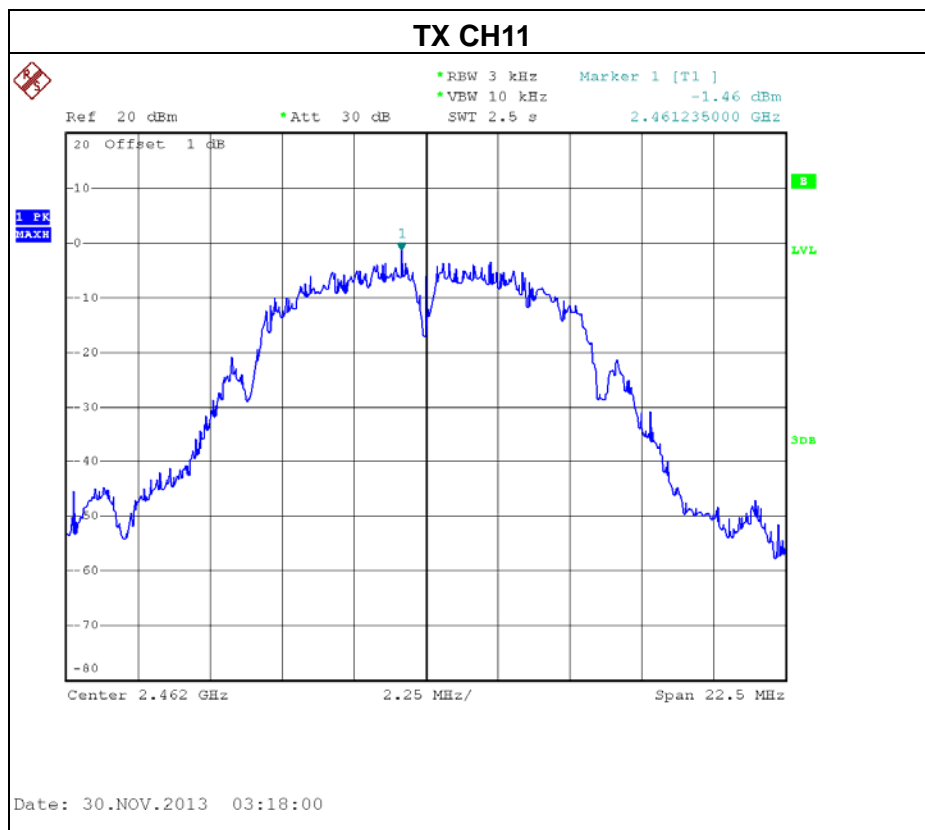
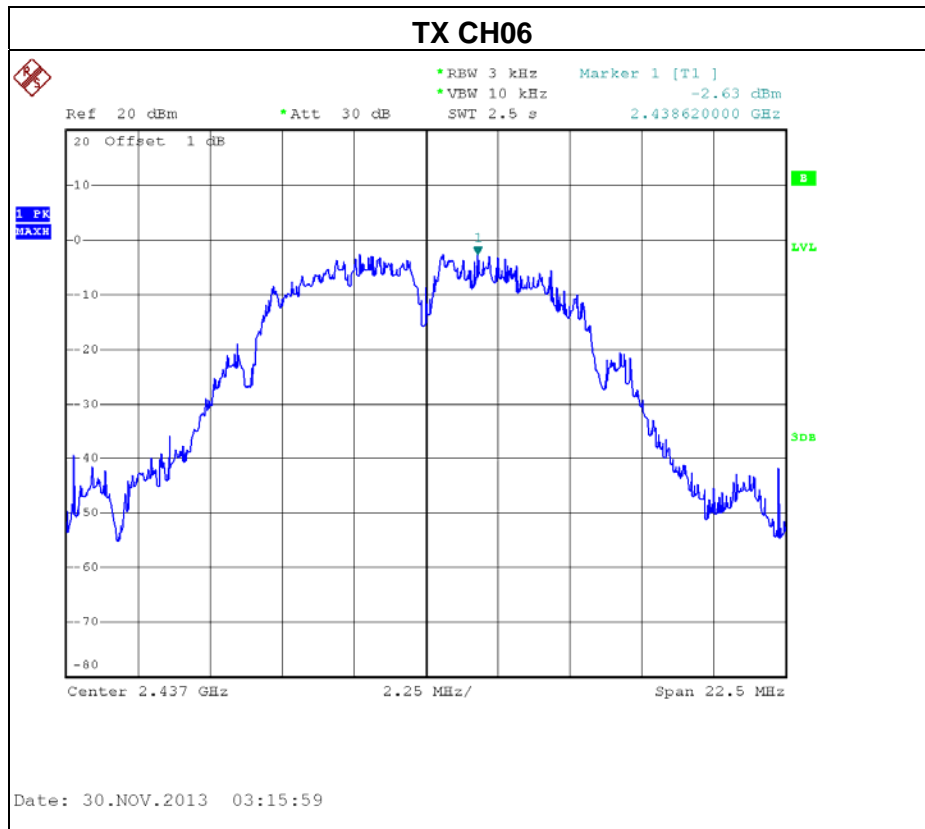


8.1.6 TEST RESULTS

| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX B MODE /CH01, CH06, CH11 | | |

| Test Channel | Frequency (MHz) | Power Density (dBm) | LIMIT (dBm) |
|--------------|-----------------|---------------------|-------------|
| CH01 | 2412 | -3.42 | 8 |
| CH06 | 2437 | -2.62 | 8 |
| CH11 | 2462 | -1.46 | 8 |

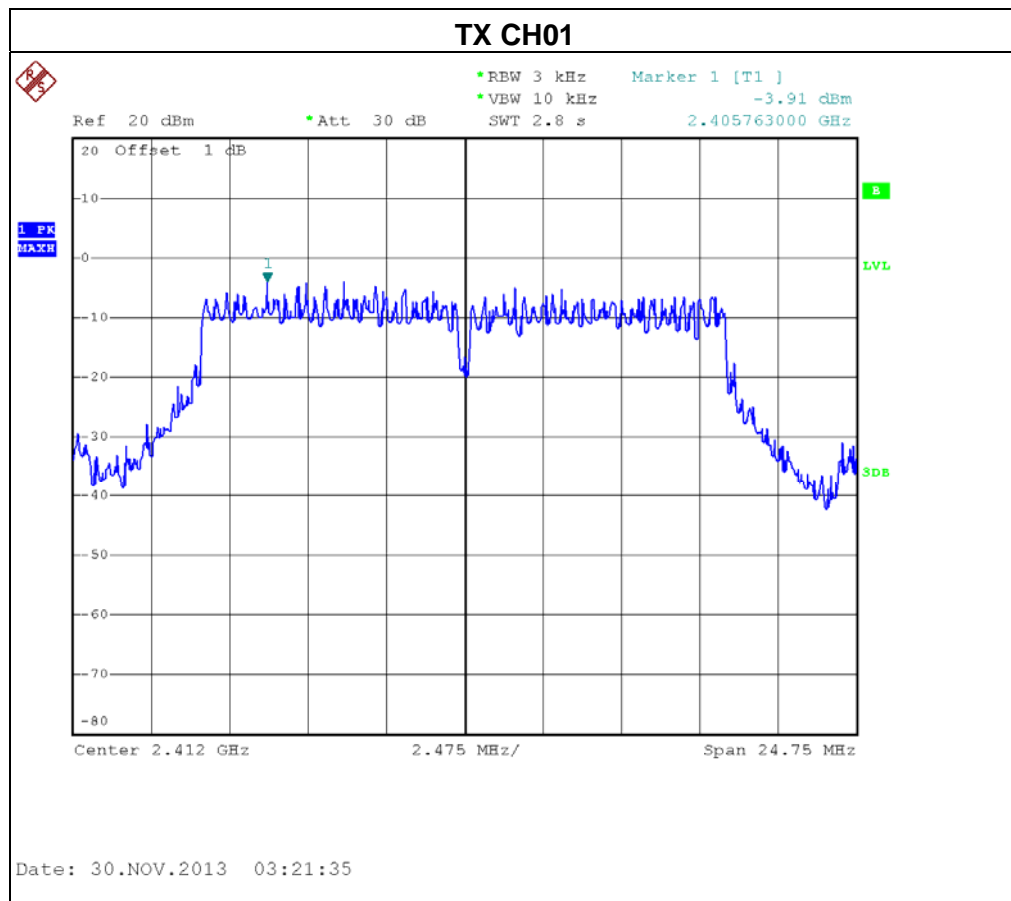


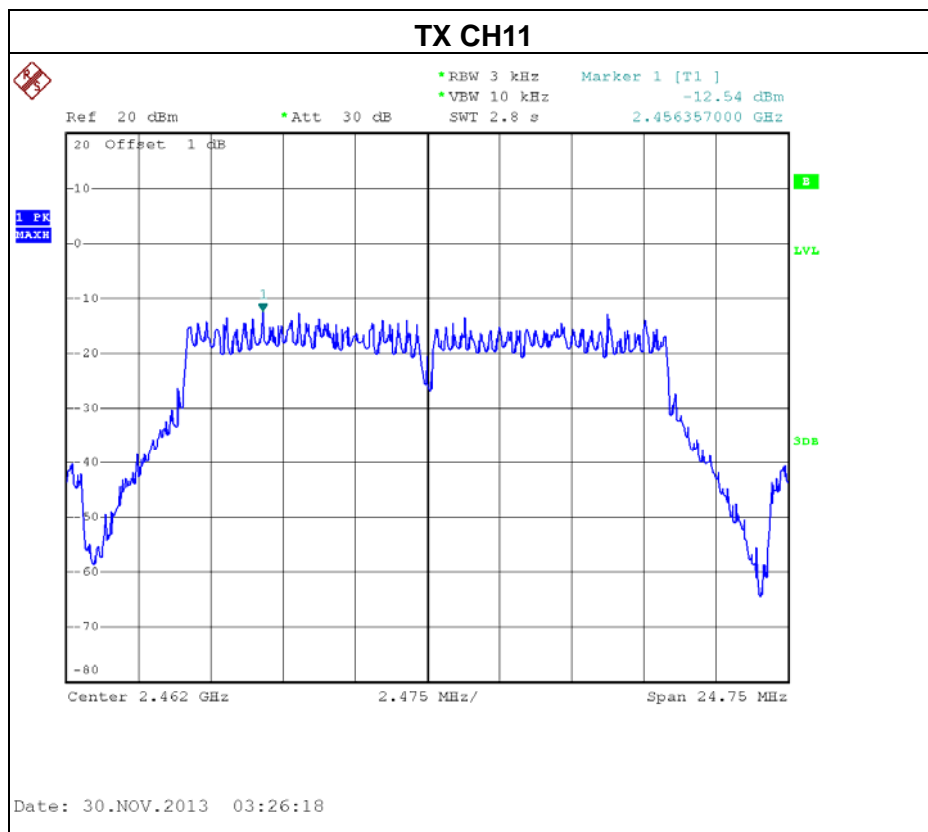
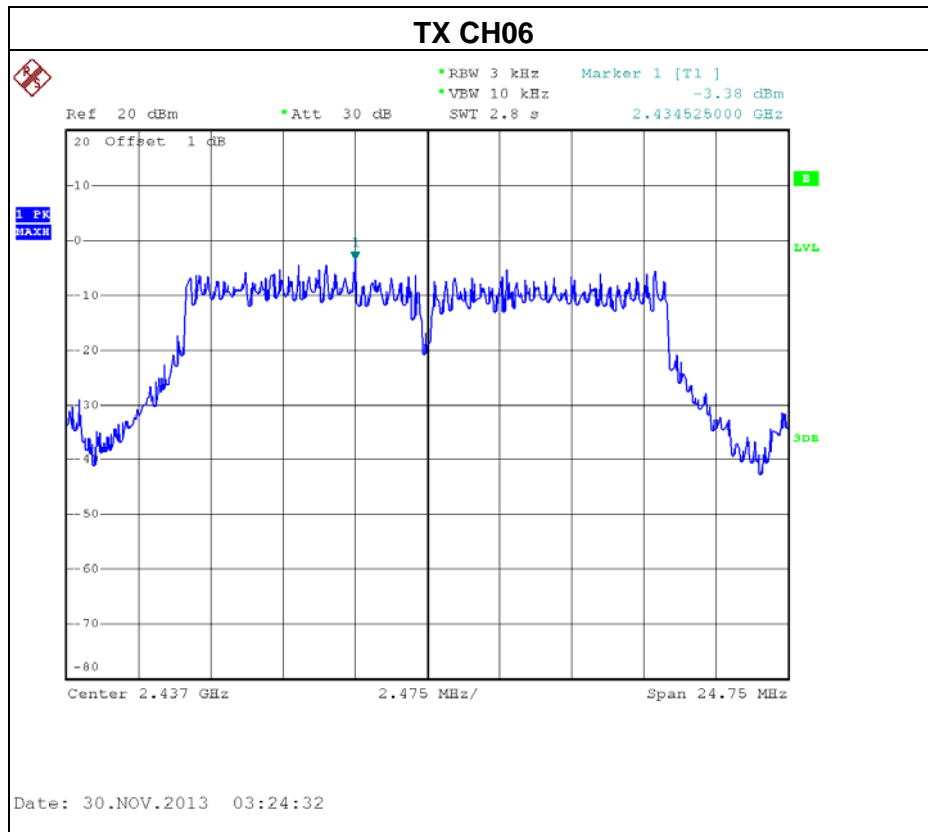




| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX G MODE /CH01, CH06, CH11 | | |

| Test Channel | Frequency (MHz) | Power Density (dBm) | LIMIT (dBm) |
|--------------|-----------------|---------------------|-------------|
| CH01 | 2412 | -3.91 | 8 |
| CH06 | 2437 | -3.38 | 8 |
| CH11 | 2462 | -12.54 | 8 |

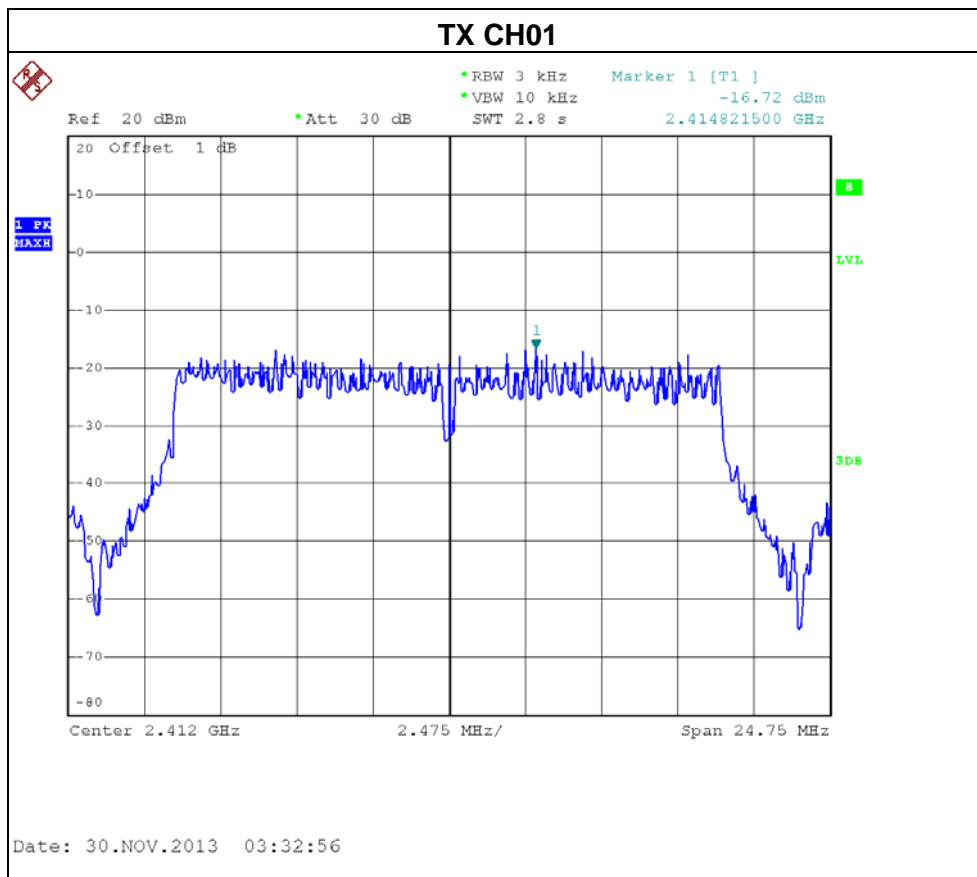






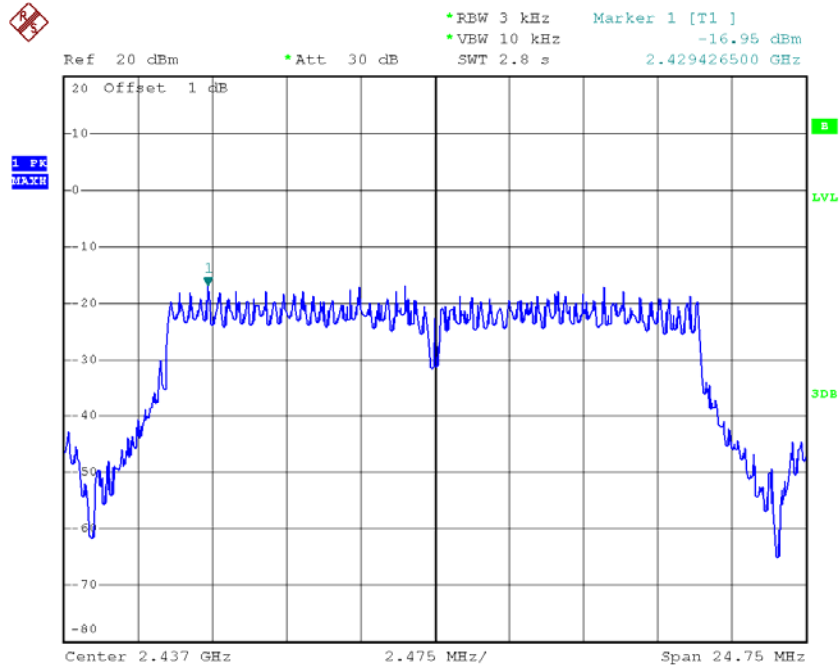
| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N MODE-20MHz /CH01, CH06, CH11-ANT 0 | | |

| Test Channel | Frequency (MHz) | Power Density (dBm) | LIMIT (dBm) |
|--------------|-----------------|---------------------|-------------|
| CH01 | 2412 | -16.72 | 8 |
| CH06 | 2437 | -16.95 | 8 |
| CH11 | 2462 | -15.99 | 8 |



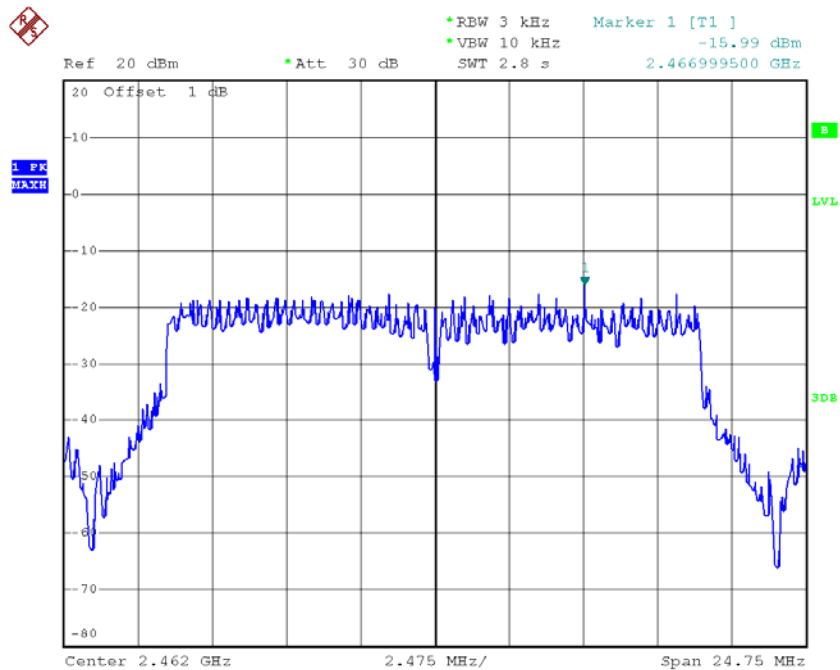


TX CH06



Date: 30.NOV.2013 03:41:03

TX CH11

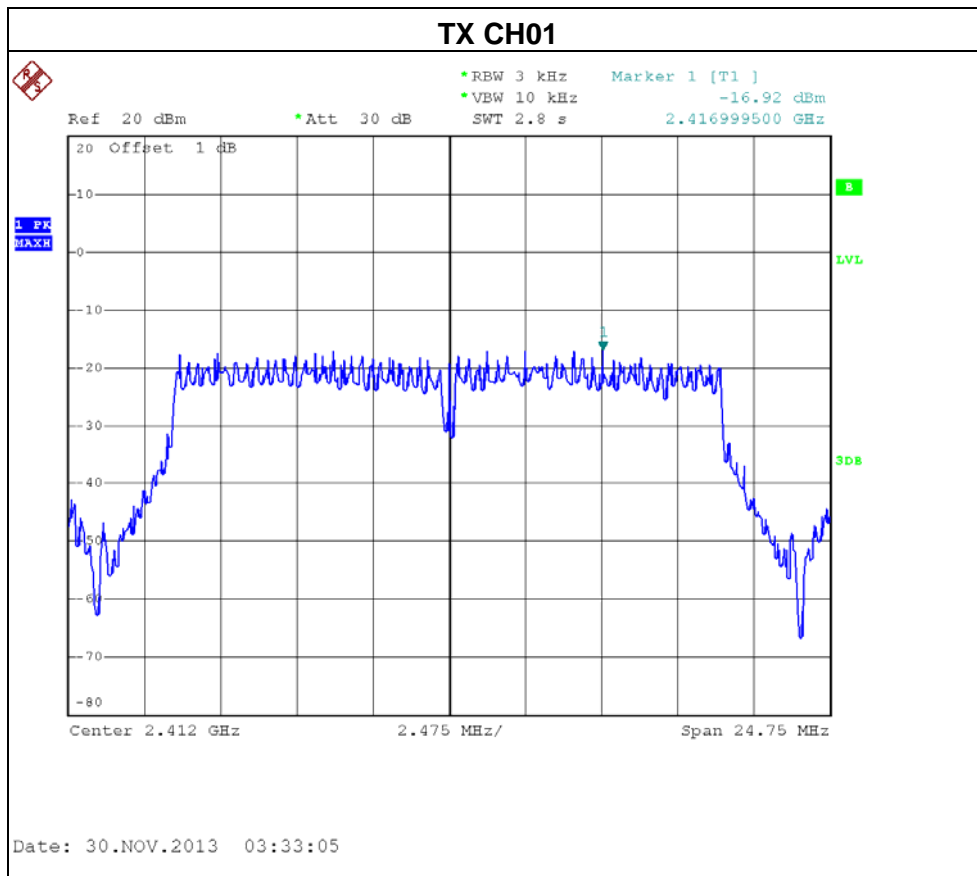


Date: 30.NOV.2013 03:46:40



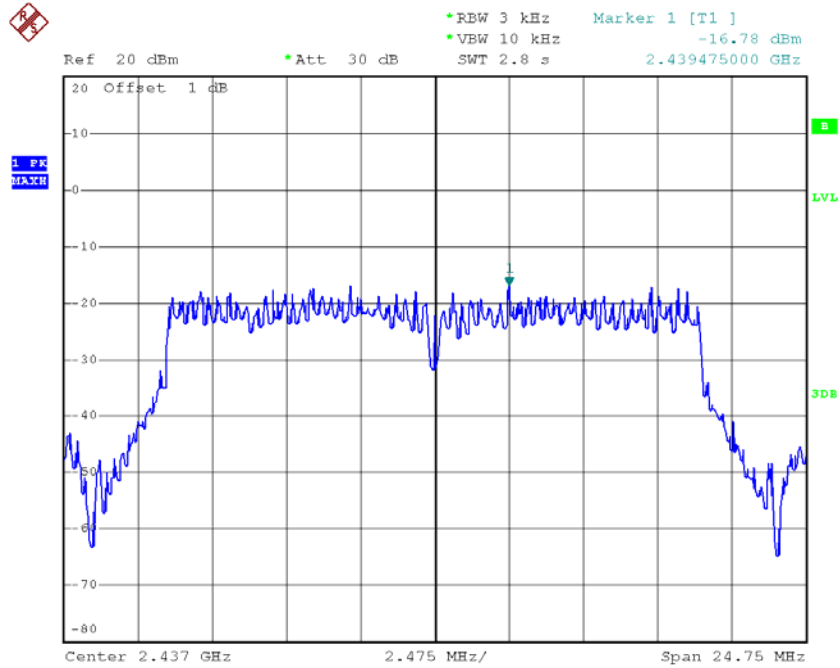
| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N MODE-20MHz /CH01, CH06, CH11-ANT 1 | | |

| Test Channel | Frequency (MHz) | Power Density (dBm) | LIMIT (dBm) |
|--------------|-----------------|---------------------|-------------|
| CH01 | 2412 | -16.92 | 8 |
| CH06 | 2437 | -16.78 | 8 |
| CH11 | 2462 | -16.33 | 8 |



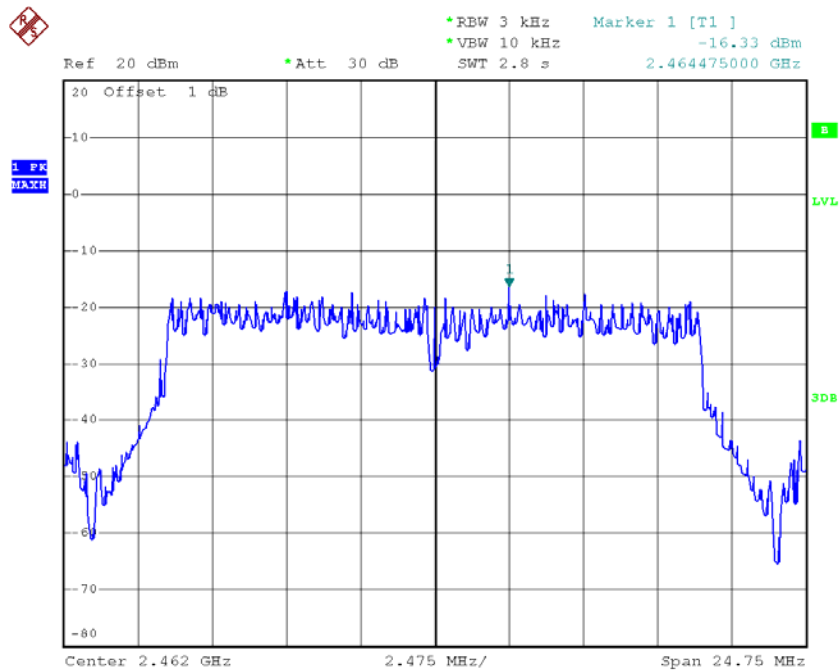


TX CH06



Date: 30.NOV.2013 03:41:12

TX CH11

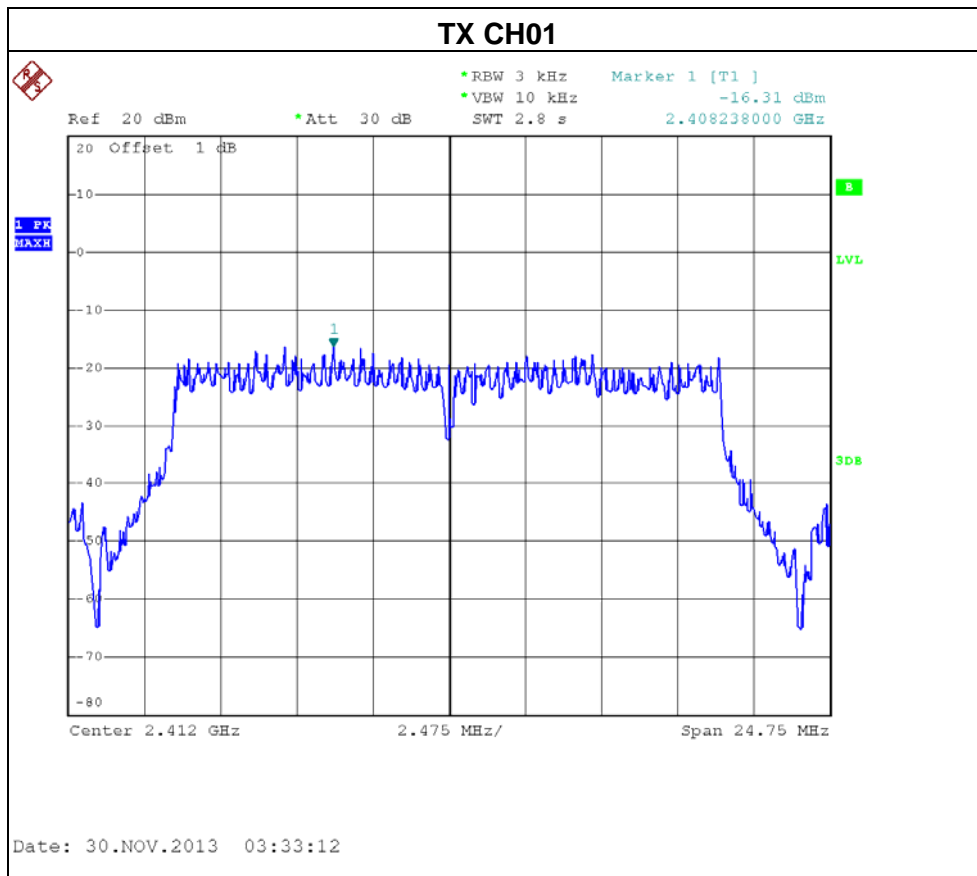


Date: 30.NOV.2013 03:46:46



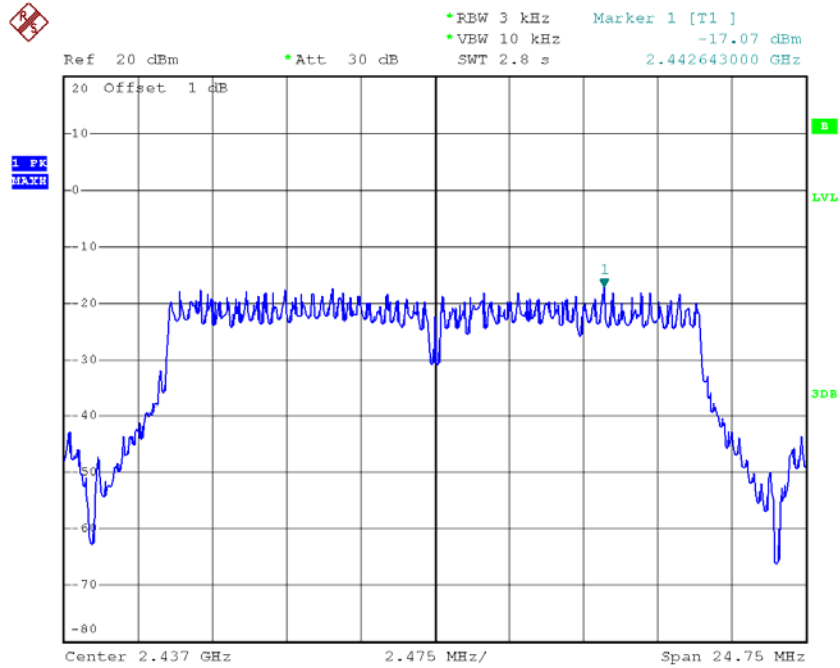
| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N MODE-20MHz /CH01, CH06, CH11-ANT 2 | | |

| Test Channel | Frequency (MHz) | Power Density (dBm) | LIMIT (dBm) |
|--------------|-----------------|---------------------|-------------|
| CH01 | 2412 | -16.31 | 8 |
| CH06 | 2437 | -17.07 | 8 |
| CH11 | 2462 | -16.53 | 8 |



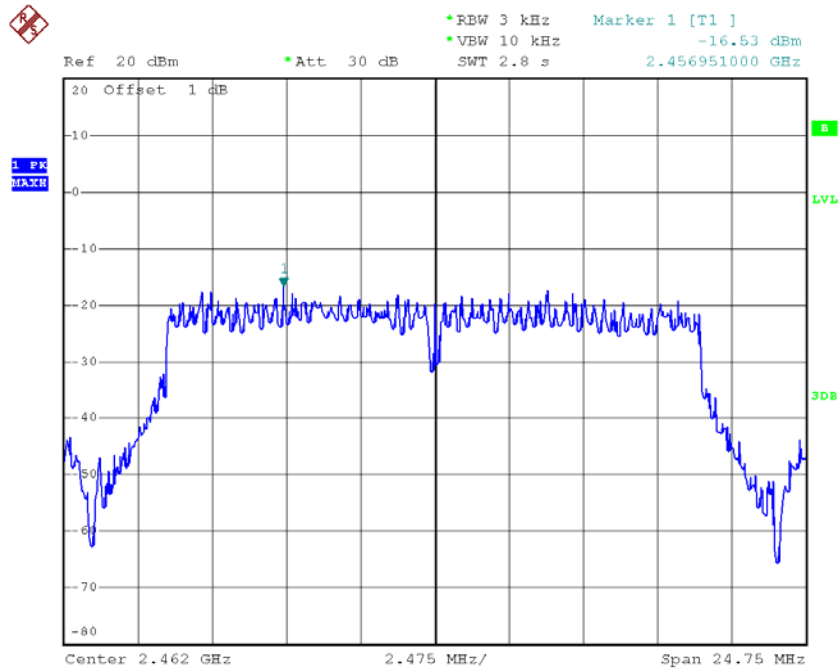


TX CH06



Date: 30.NOV.2013 03:41:22

TX CH11



Date: 30.NOV.2013 03:46:54



| | | | |
|--------------|---|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N MODE-20MHz /CH01, CH06, CH11-ANT 0+ANT 1+ANT 2 | | |

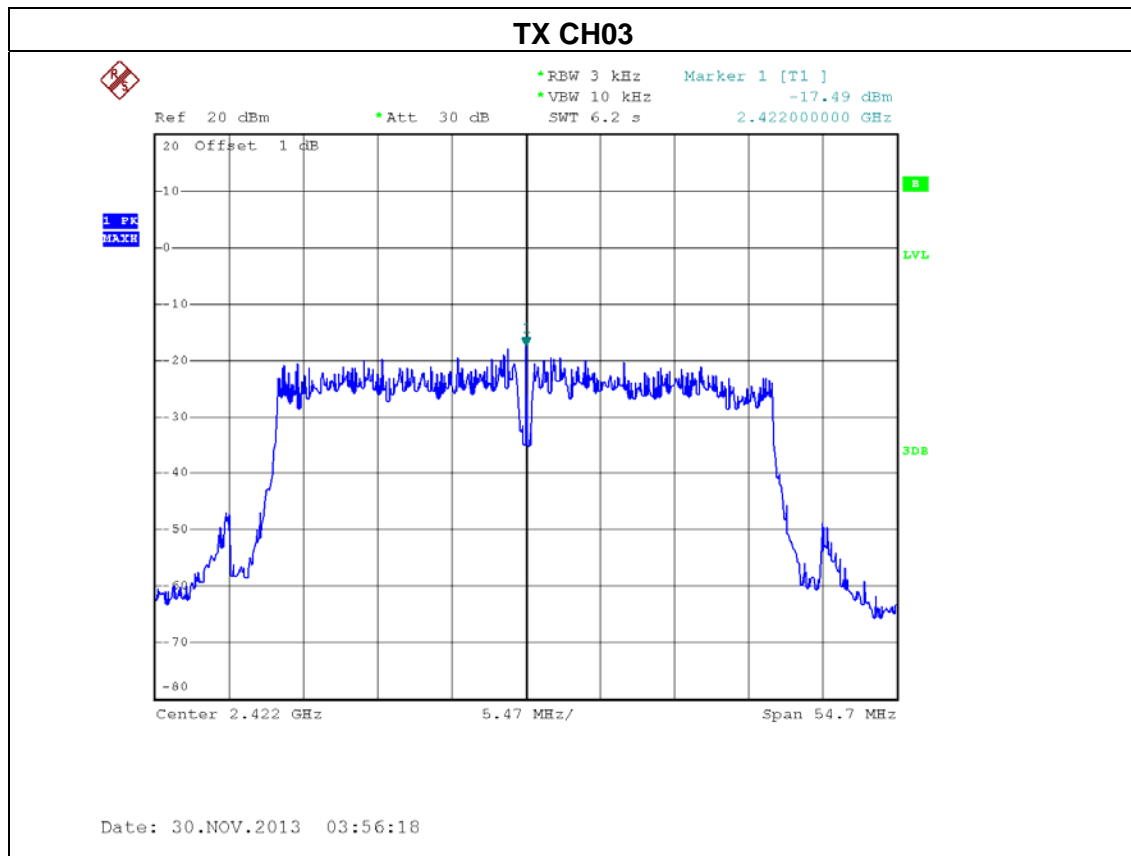
| Test Channel | Frequency (MHz) | Power Density (dBm) | LIMIT (dBm) |
|--------------|-----------------|---------------------|-------------|
| CH01 | 2412 | -11.87 | 8 |
| CH06 | 2437 | -12.16 | 8 |
| CH11 | 2462 | -11.50 | 8 |

Note: The EUT incorporates a MIMO function. Physically, the EUT provides three completed transmitters and three receivers (3T3R).all transmit signals are completely uncorrelated, then, Direction gain = G_{ANT} , that is Directional gain=5.0.



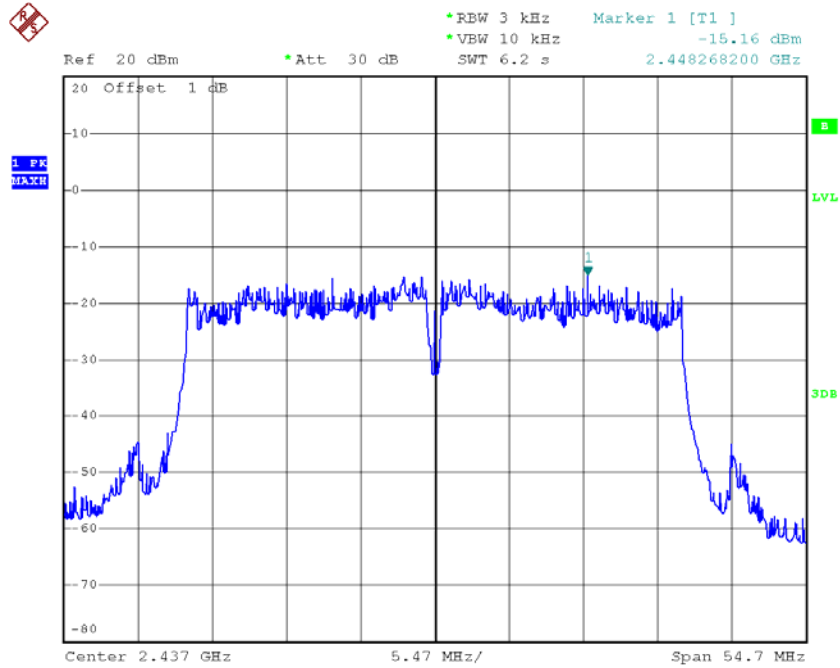
| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N MODE-40MHz /CH03, CH06, CH09-ANT 0 | | |

| Test Channel | Frequency (MHz) | Power Density (dBm) | LIMIT (dBm) |
|--------------|-----------------|---------------------|-------------|
| CH03 | 2422 | -17.49 | 8 |
| CH06 | 2437 | -15.16 | 8 |
| CH09 | 2452 | -21.12 | 8 |



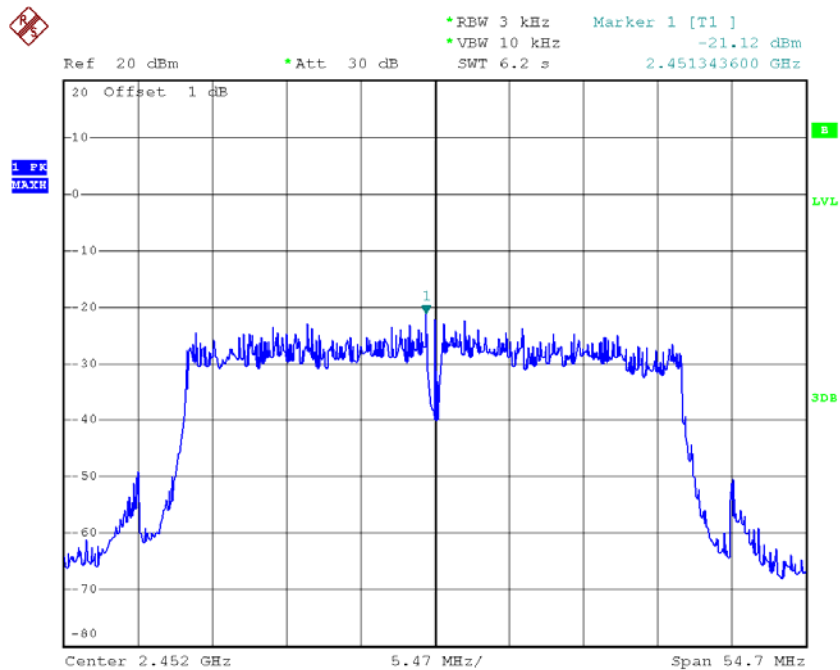


TX CH06



Date: 30.NOV.2013 04:08:46

TX CH09

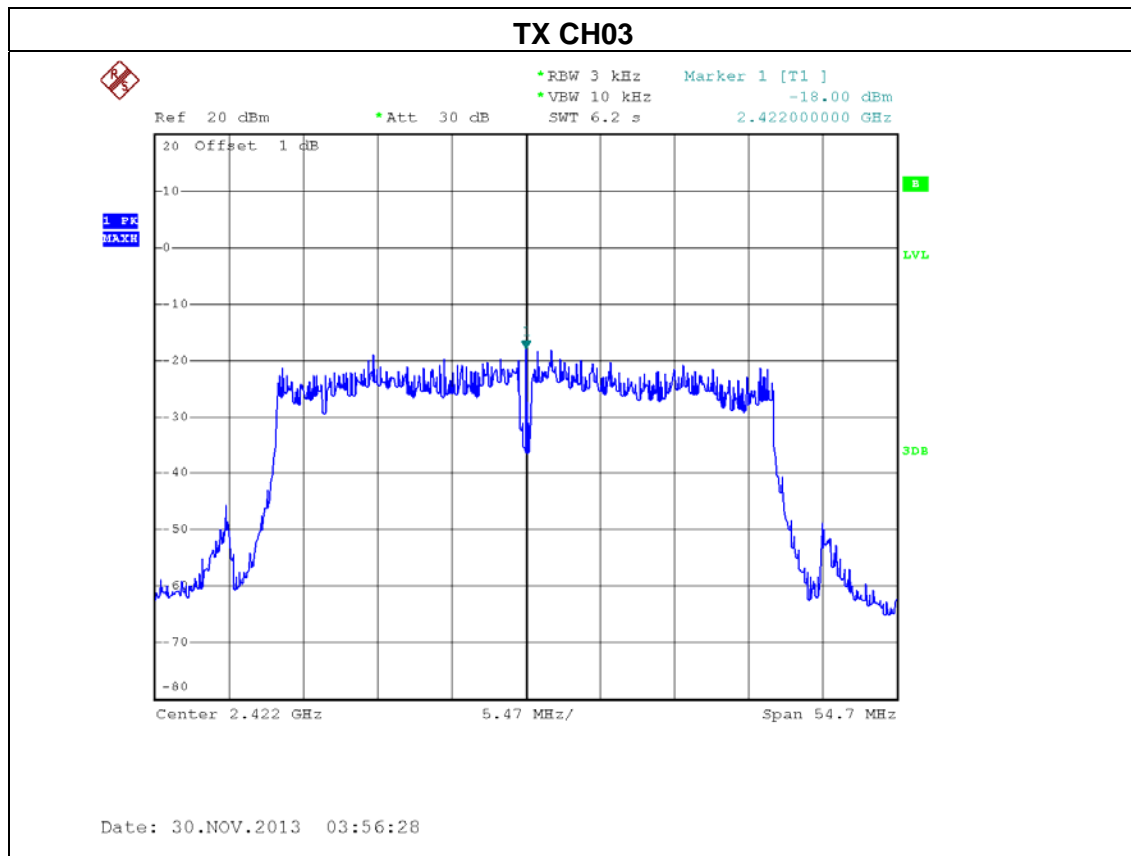


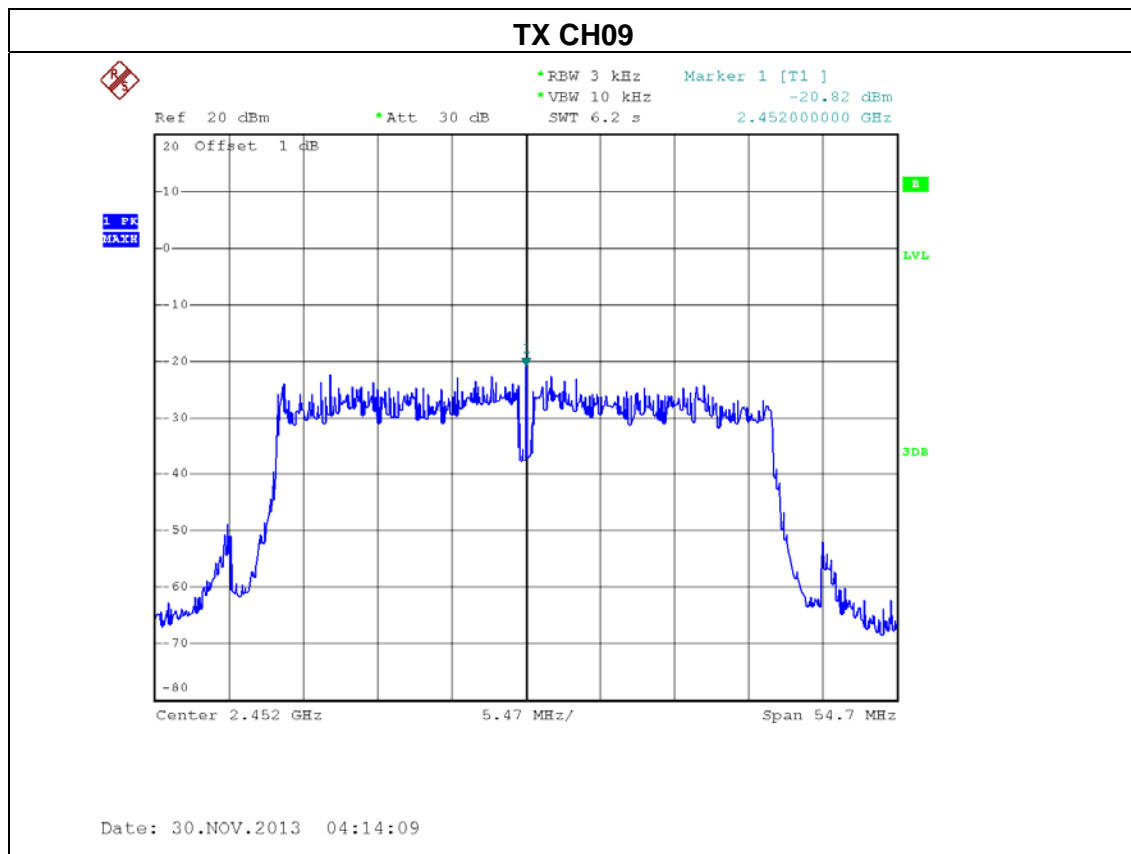
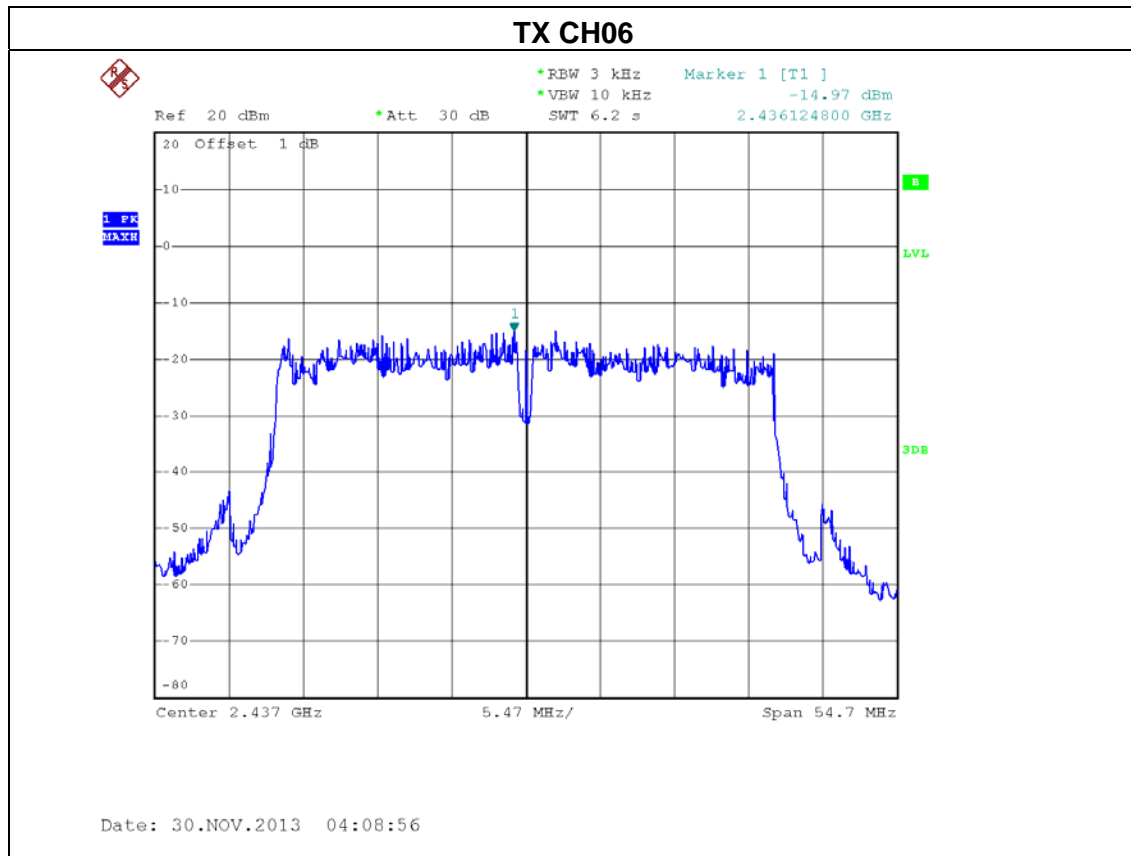
Date: 30.NOV.2013 04:13:59



| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N MODE-40MHz /CH03, CH06, CH09-ANT 1 | | |

| Test Channel | Frequency (MHz) | Power Density (dBm) | LIMIT (dBm) |
|--------------|-----------------|---------------------|-------------|
| CH03 | 2422 | -18.00 | 8 |
| CH06 | 2437 | -14.97 | 8 |
| CH09 | 2452 | -20.82 | 8 |

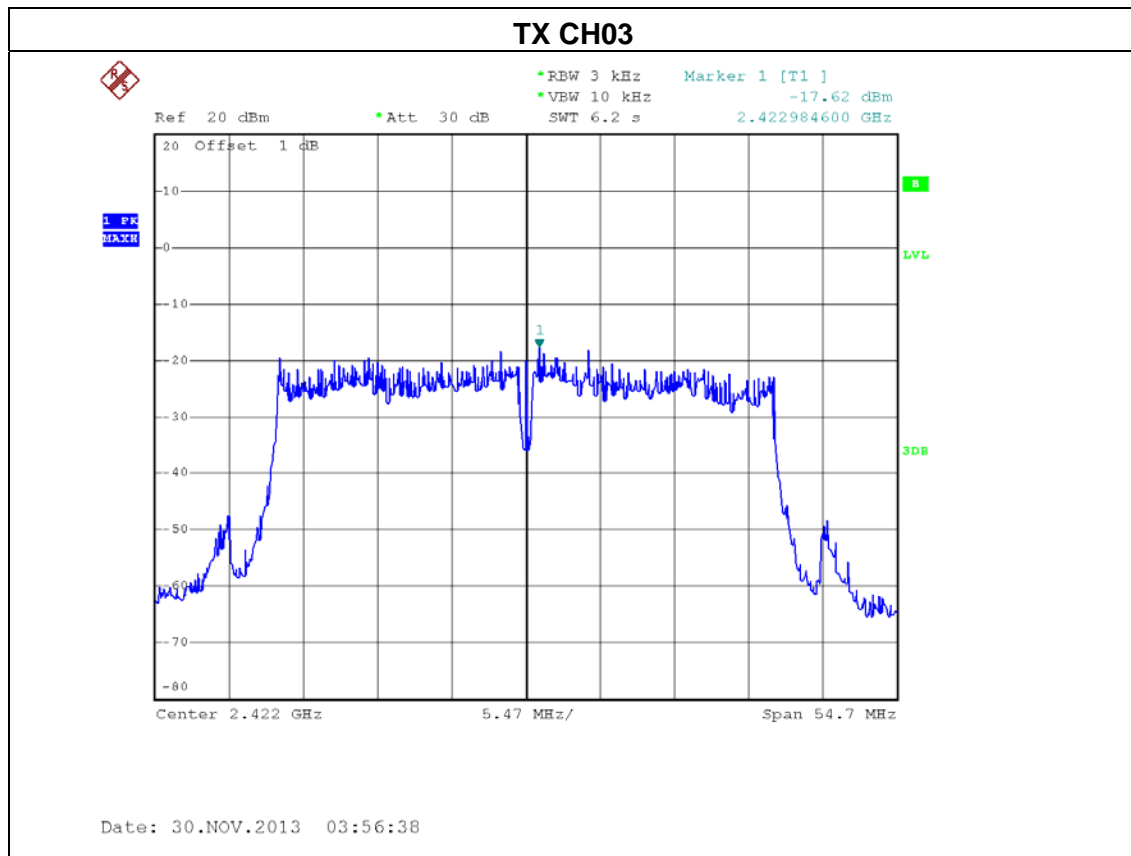


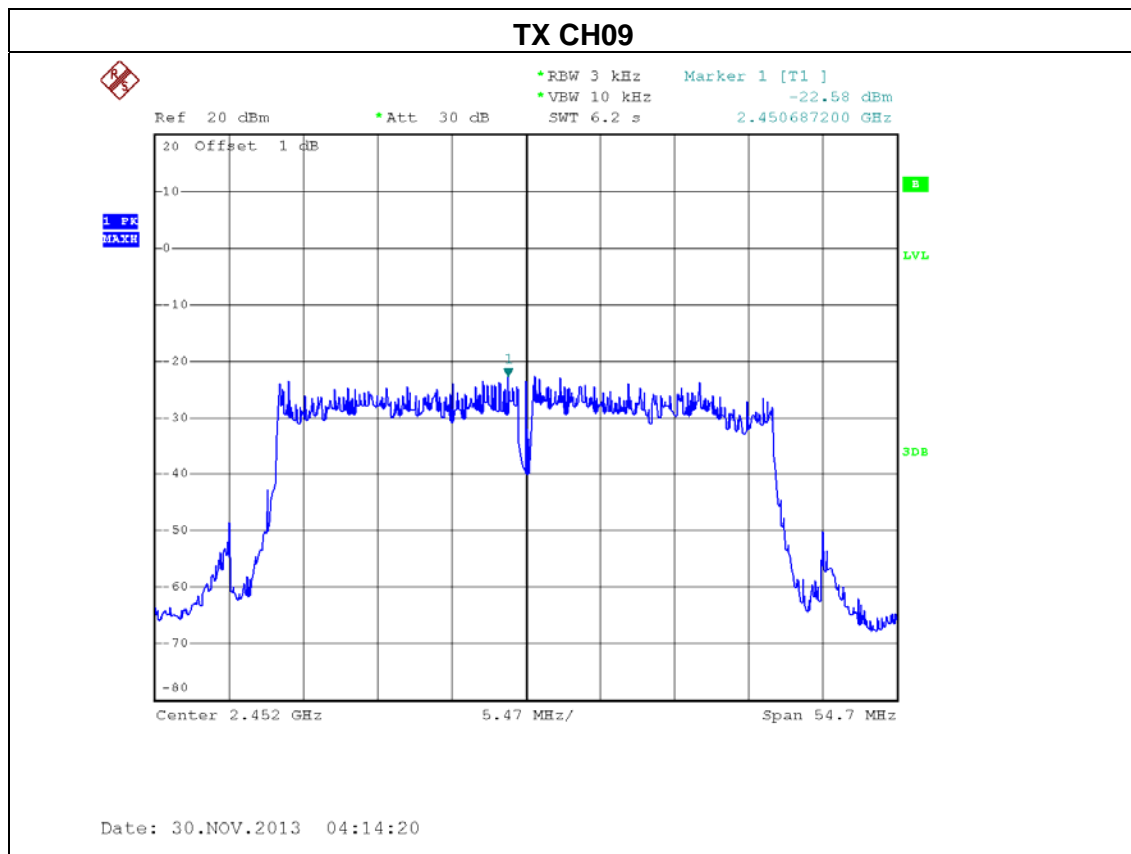
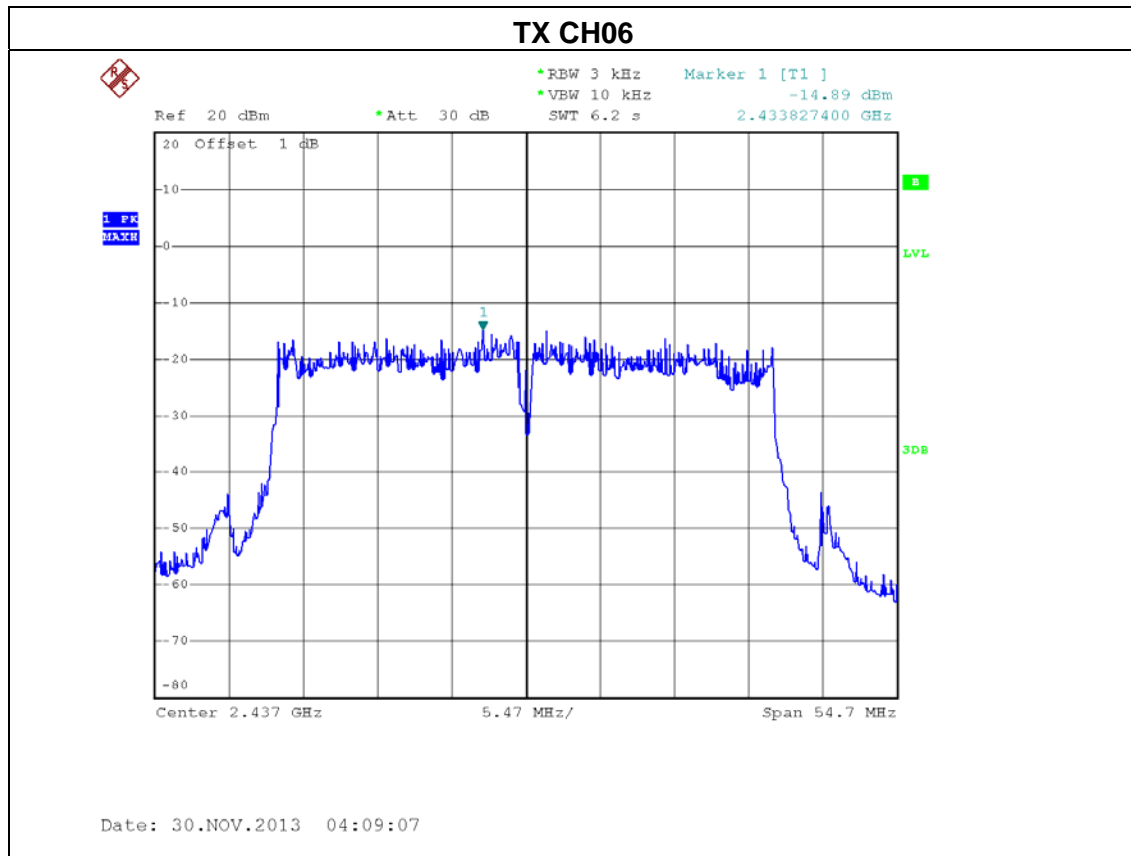




| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N MODE-40MHz /CH03, CH06, CH09-ANT 2 | | |

| Test Channel | Frequency (MHz) | Power Density (dBm) | LIMIT (dBm) |
|--------------|-----------------|---------------------|-------------|
| CH03 | 2422 | -17.62 | 8 |
| CH06 | 2437 | -14.89 | 8 |
| CH09 | 2452 | -22.58 | 8 |







| | | | |
|--------------|---|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N MODE-40MHz /CH03, CH06, CH09-ANT 0+ANT 1+ANT 2 | | |

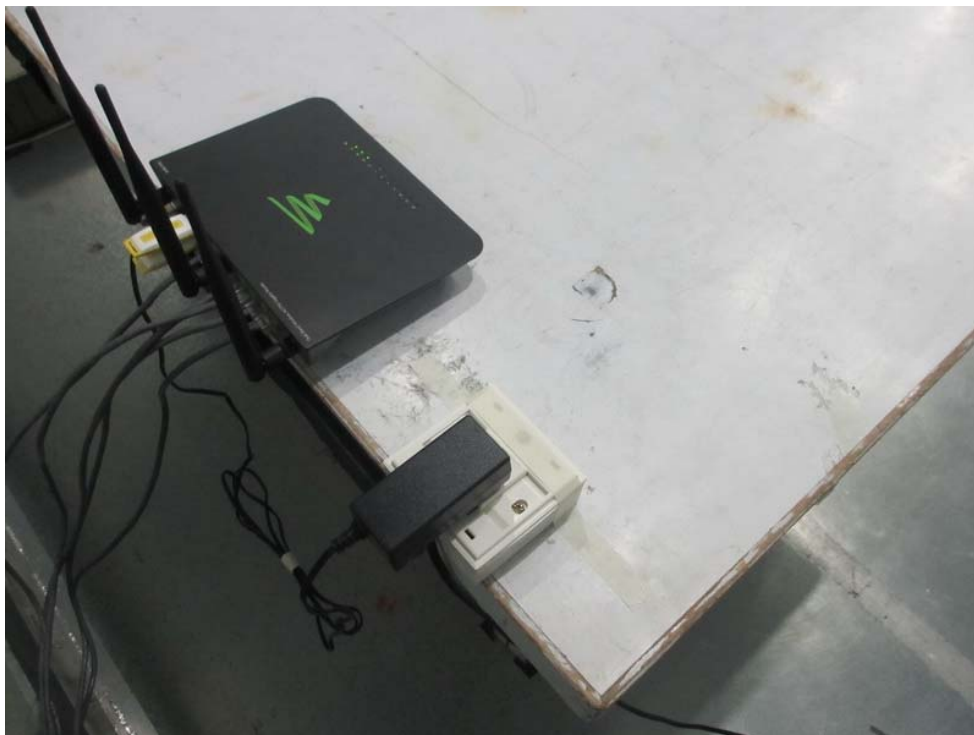
| Test Channel | Frequency (MHz) | Power Density (dBm) | LIMIT (dBm) |
|--------------|-----------------|---------------------|-------------|
| CH03 | 2422 | -12.92 | 8 |
| CH06 | 2437 | -10.23 | 8 |
| CH09 | 2452 | -16.67 | 8 |

Note: The EUT incorporates a MIMO function. Physically, the EUT provides three completed transmitters and three receivers (3T3R).all transmit signals are completely uncorrelated, then, Direction gain = G_{ANT} , that is Directional gain=5.0.



9. EUT TEST PHOTO

Conducted Measurement Photos

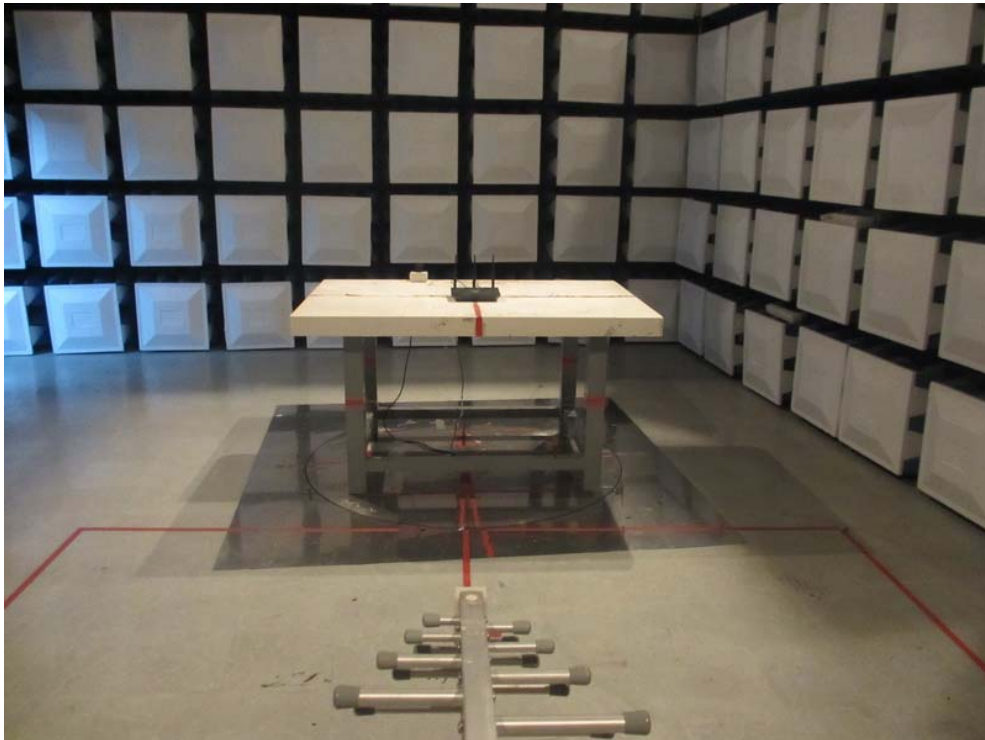




**Radiated Measurement Photos
9KHz~30MHz**



**Radiated Measurement Photos
300MHz~1000MHz**



**Radiated Measurement Photos
Above 1000MHz**

