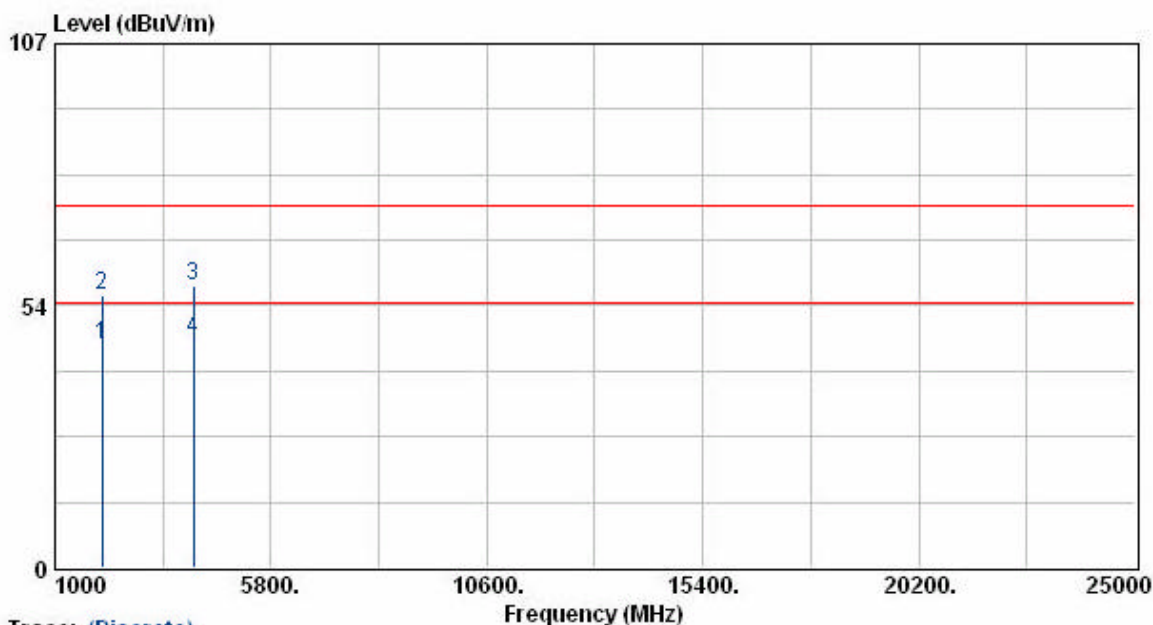


EUT	: IP819VGA	Pol/Phase	: HORIZONTAL
Power	: 120V	Temperature	: 28 °C
Test Mode	: Transmit/Receive	Humidity	: 70 %
Operation Channel	: 1	Atmospheric Pressure	: 1022 mmHg
Modulation Type	: 802.11g		
Rate	: 12 Mbps		
Memo	:		



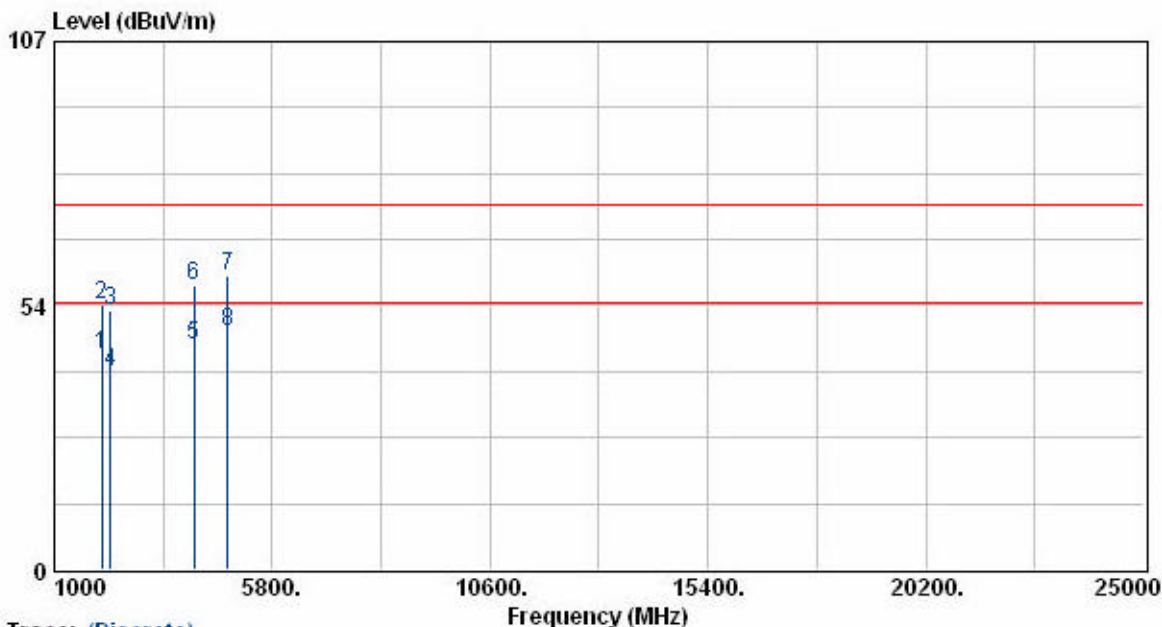
Trace: (Discrete)

Frequency (MHz)	Meter Reading (dBuV)	Corrected Factor (dBuV/m)	Result (dBuV/m)	Limit (dB)	Margin (dB)	Remark	Table Deg.	Ant High (cm)
2039.13	45.44	0.04	45.48	54.00	-8.52	Average	132	100
2039.13	55.67	0.04	55.71	74.00	-18.29	Peak	132	100
4077.13	50.94	6.67	57.61	74.00	-16.39	Peak	188	100
4077.13	40.03	6.67	46.70	54.00	-7.30	Average	188	100

Notes:

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

EUT	: IP819VGA	Pol/Phase	: VERTICAL
Power	: 120V	Temperature	: 28 °C
Test Mode	: Transmit/Receive	Humidity	: 70 %
Operation Channel	: 1	Atmospheric Pressure	: 1022 mmHg
Modulation Type	: 802.11g		
Rate	: 12 Mbps		
Memo	:		



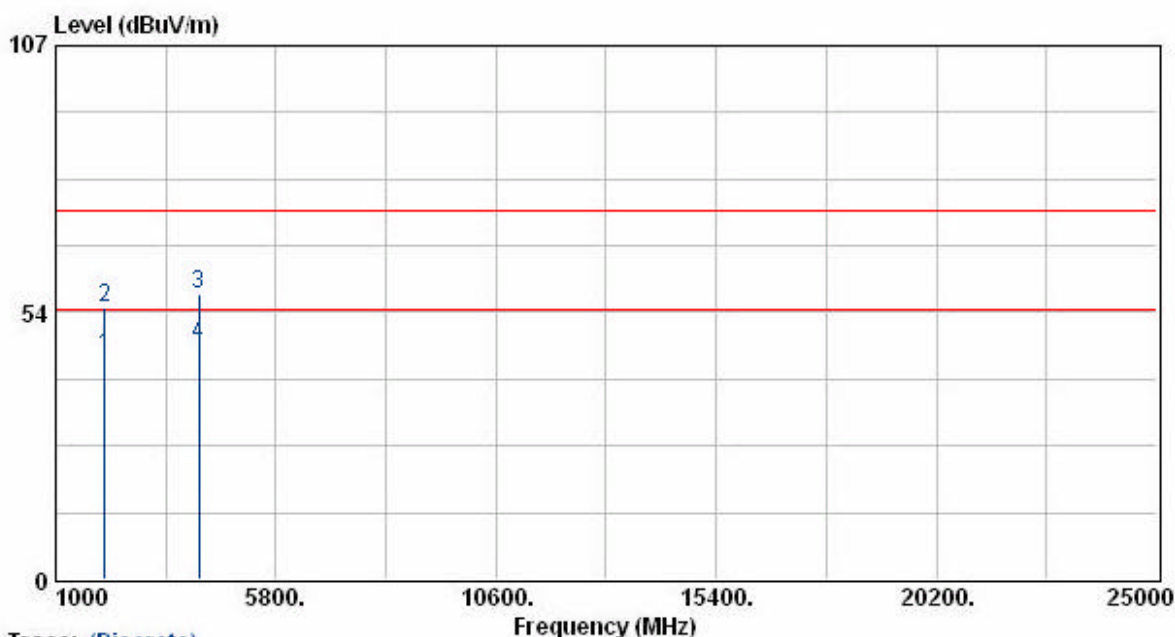
Trace: (Discrete)

Frequency (MHz)	Meter Reading (dBuV)	Corrected Factor (dBuV/m)	Result (dBuV/m)	Limit (dB)	Margin (dB)	Remark	Table Deg.	Ant High (cm)
2039.25	44.14	-0.66	43.48	54.00	-10.52	Average	140	100
2039.25	54.48	-0.66	53.82	74.00	-20.18	Peak	140	100
2245.00	52.41	0.05	52.46	74.00	-21.54	Peak	207	100
2245.00	40.20	0.05	40.25	54.00	-13.75	Average	207	100
4077.25	39.50	6.05	45.55	54.00	-8.45	Average	215	100
4077.25	51.42	6.05	57.47	74.00	-16.53	Peak	215	100
4825.50	52.07	7.36	59.43	74.00	-14.57	Peak	118	100
4825.50	40.78	7.36	48.14	54.00	-5.86	Average	118	100

Notes:

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

EUT	: IP819VGA	Pol/Phase	: HORIZONTAL
Power	: 120V	Temperature	: 28 °C
Test Mode	: Transmit/Receive	Humidity	: 70 %
Operation Channel	: 6	Atmospheric Pressure	: 1022 mmHg
Modulation Type	: 802.11g		
Rate	: 12 Mbps		
Memo	:		



Trace: (Discrete)

Frequency (MHz)	Meter Reading (dBuV)	Corrected Factor (dBuV/m)	Result (dBuV/m)	Limit (dB)	Margin (dB)	Remark	Table Deg.	Ant High (cm)
2064.13	44.45	0.12	44.57	54.00	-9.43	Average	132	100
2064.13	54.22	0.12	54.34	74.00	-19.66	Peak	132	100
4127.13	50.33	6.69	57.02	74.00	-16.98	Peak	188	100
4127.13	40.56	6.69	47.25	54.00	-6.75	Average	188	100

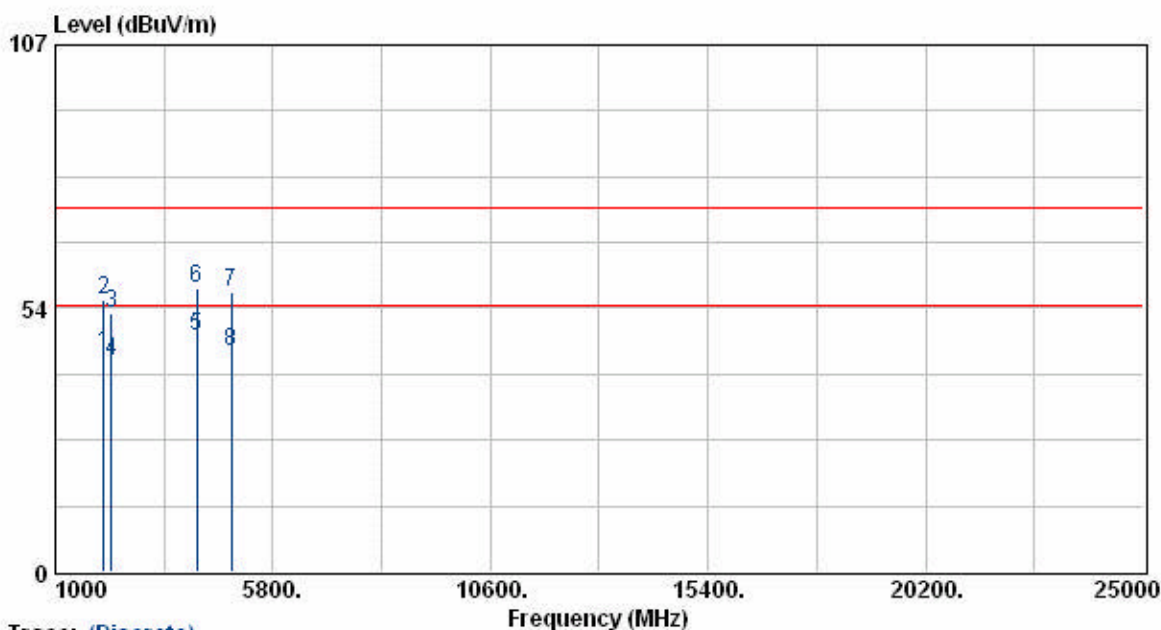
Notes:

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


```

EUT          : IP819VGA
Power        : 120V
Test Mode    : Transmit/Receive
Operation Channel: 6
Modulation Type : 802.11g
Rate         : 12 Mbps
Memo         :

Pol/Phase    : VERTICAL
Temperature   : 28 °C
Humidity     : 70 %
Atmospheric Pressure: 1022 mmHg
    
```



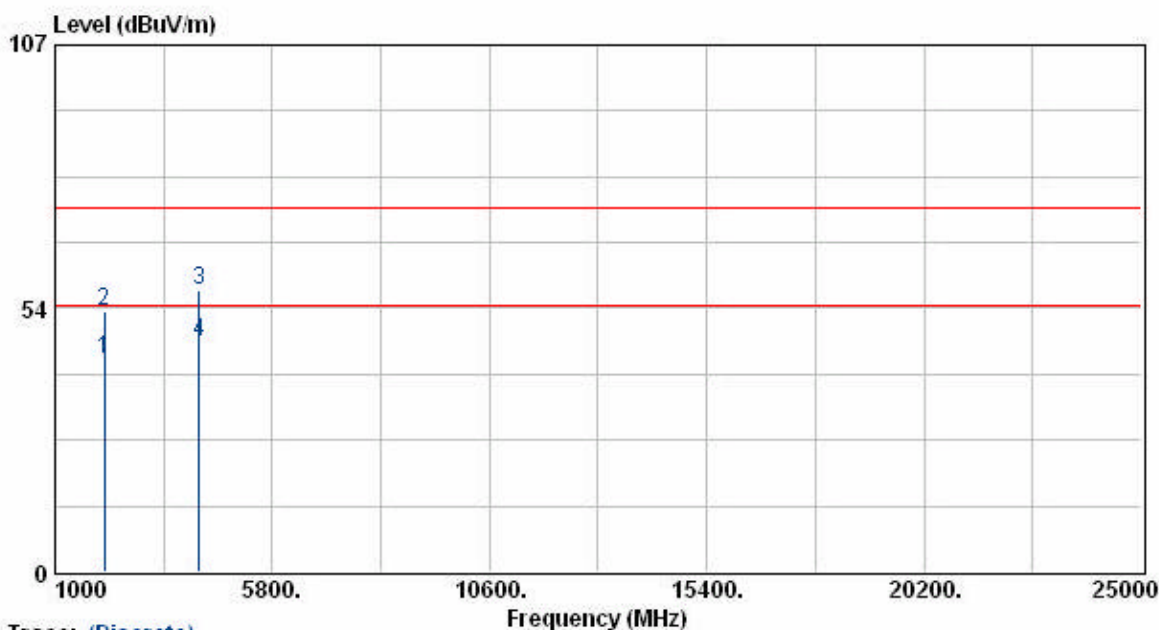
Trace: (Discrete)

Frequency (MHz)	Meter Reading (dBuV)	Corrected Factor (dBuV/m)	Result (dBuV/m)	Limit (dB)	Margin (dB)	Remark	Table Deg.	Ant High (cm)
2064.13	45.06	-0.58	44.48	54.00	-9.52	Average	140	100
2064.13	55.74	-0.58	55.16	74.00	-18.84	Peak	140	100
2245.00	52.64	0.05	52.69	74.00	-21.31	Peak	207	100
2245.00	42.60	0.05	42.65	54.00	-11.35	Average	207	100
4127.13	41.75	6.07	47.82	54.00	-6.18	Average	215	100
4127.13	51.57	6.07	57.64	74.00	-16.36	Peak	215	100
4875.38	49.28	7.55	56.83	74.00	-17.17	Peak	118	100
4875.38	37.15	7.55	44.70	54.00	-9.30	Average	118	100

Notes:

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

EUT	: IP819VGA	Pol/Phase	: HORIZONTAL
Power	: 120V	Temperature	: 28 °C
Test Mode	: Transmit/Receive	Humidity	: 70 %
Operation Channel	: 11	Atmospheric Pressure	: 1022 mmHg
Modulation Type	: 802.11g		
Rate	: 12 Mbps		
Memo	:		



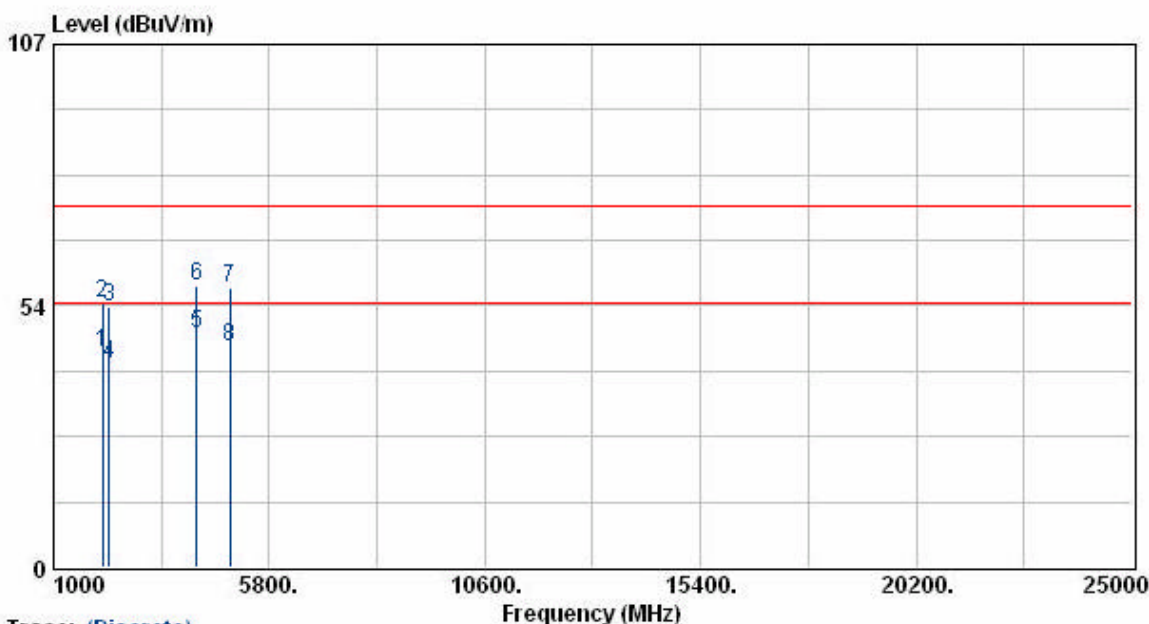
Trace: (Discrete)

Frequency (MHz)	Meter Reading (dBuV)	Corrected Factor (dBuV/m)	Result (dBuV/m)	Limit (dB)	Margin (dB)	Remark	Table Deg.	Ant High (cm)
2089.13	42.80	0.21	43.01	54.00	-10.99	Average	132	100
2089.13	52.72	0.21	52.93	74.00	-21.07	Peak	132	100
4177.00	50.61	6.72	57.33	74.00	-16.67	Peak	188	100
4177.00	40.13	6.72	46.85	54.00	-7.15	Average	188	100

Notes:

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

EUT	: IP819VGA	Pol/Phase	: VERTICAL
Power	: 120V	Temperature	: 28 °C
Test Mode	: Transmit/Receive	Humidity	: 70 %
Operation Channel	: 11	Atmospheric Pressure	: 1022 mmHg
Modulation Type	: 802.11g		
Rate	: 12 Mbps		
Memo	:		



Trace: (Discrete)

Frequency (MHz)	Meter Reading (dBUV)	Corrected Factor (dBUV/m)	Result (dBUV/m)	Limit (dB)	Margin (dB)	Remark	Table Deg.	Ant High (cm)
2089.00	44.35	-0.49	43.86	54.00	-10.14	Average	140	100
2089.00	54.41	-0.49	53.92	74.00	-20.08	Peak	140	100
2245.00	53.37	0.05	53.42	74.00	-20.58	Peak	207	100
2245.00	41.47	0.05	41.52	54.00	-12.48	Average	207	100
4177.13	41.84	6.08	47.92	54.00	-6.08	Average	215	100
4177.13	51.43	6.08	57.51	74.00	-16.49	Peak	215	100
4924.63	49.53	7.73	57.26	74.00	-16.74	Peak	118	100
4924.63	37.56	7.73	45.29	54.00	-8.71	Average	118	100

Notes:

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

5.5.1. Test Photographs

Front View



Rear View

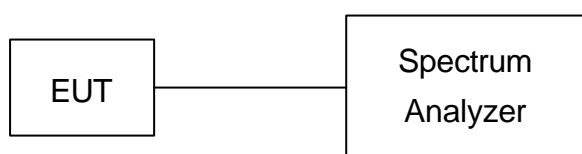


6. 6dB Bandwidth Measurement

6.1. Test Procedure

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

6.2. Test Setup Layout



6.3. Test Result and Data

(1) Modulation Standard: IEEE 802.11b (11Mbps)

Test Date: Jul. 01, 2005 Temperature: 27 Humidity: 55% Atmospheric pressure: 1017mmHg

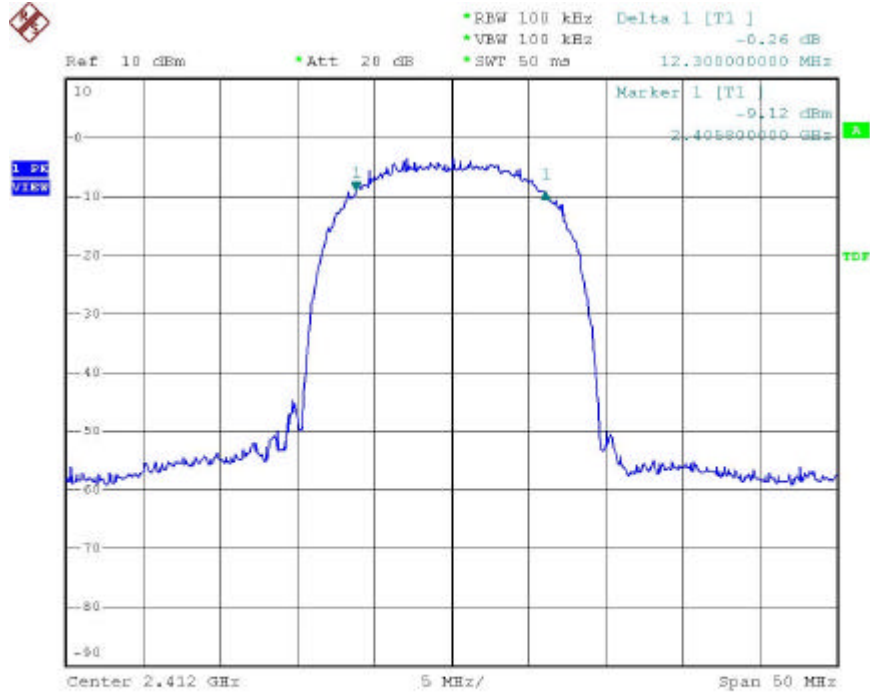
Channel	Frequency (MHz)	6dB Bandwidth (MHz)
01	2412	12.3
06	2437	12.2
11	2462	12.1

(2) Modulation Standard: IEEE 802.11g (12Mbps)

Test Date: Jul. 01, 2005 Temperature: 27 Humidity: 55% Atmospheric pressure: 1017mmHg

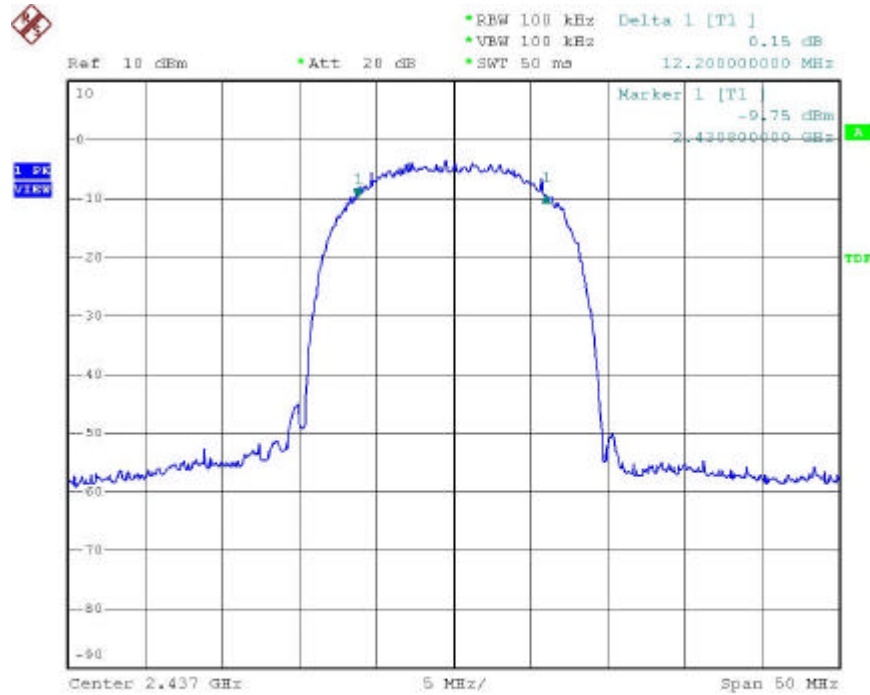
Channel	Frequency (MHz)	6dB Bandwidth (MHz)
01	2412	16.4
06	2437	16.4
11	2462	16.5

Modulation Standard: IEEE 802.11b (11Mbps)
 Channel 01



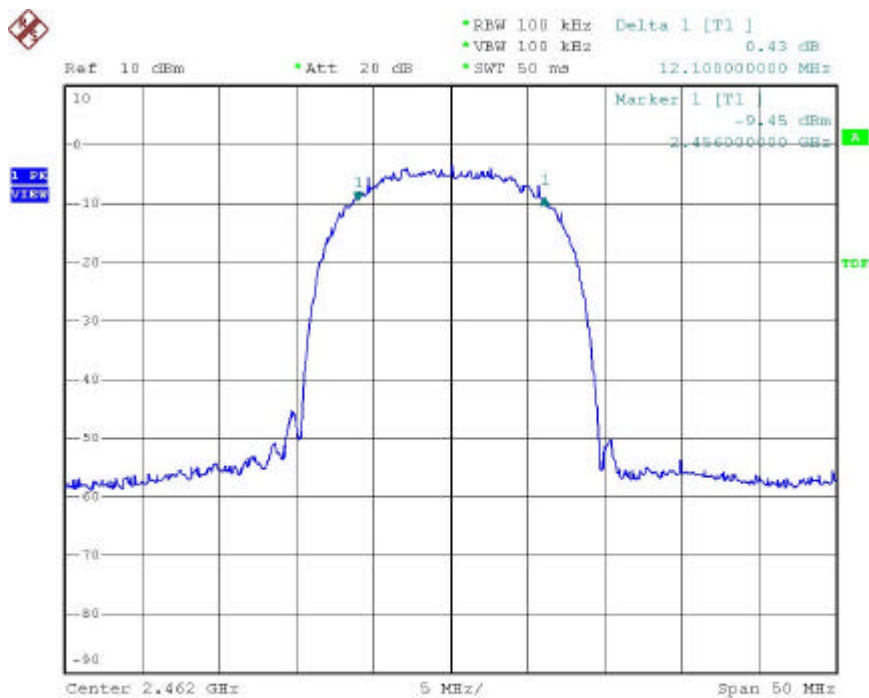
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Channel 06



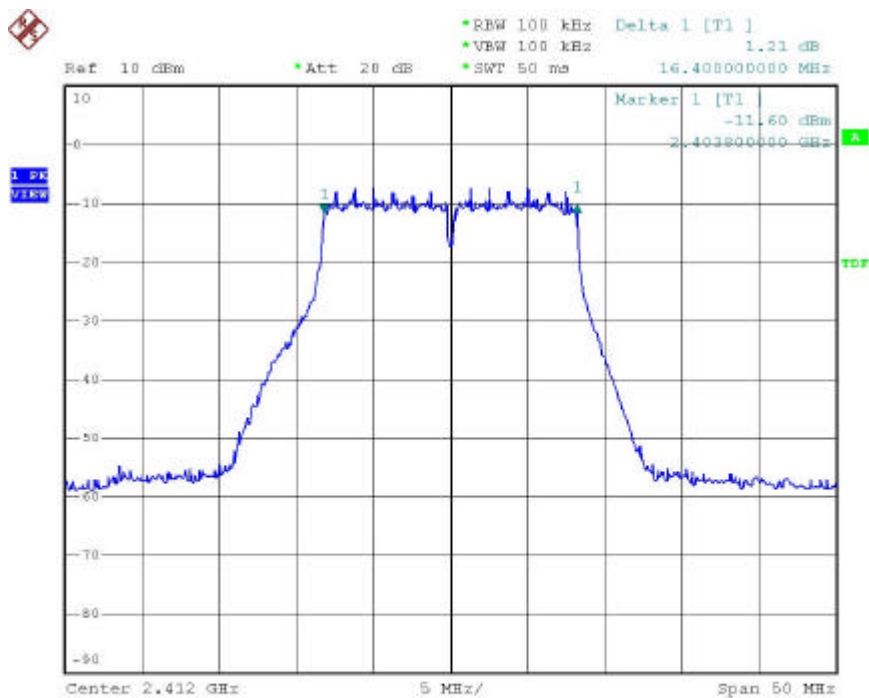
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Channel 11



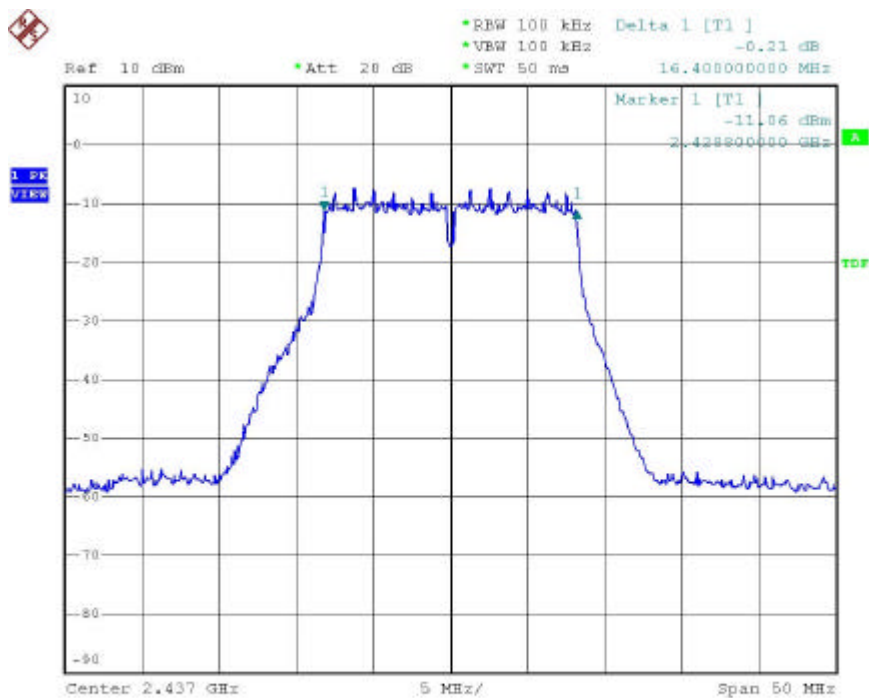
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Modulation Standard: IEEE 802.11g (6Mbps)
Channel 01



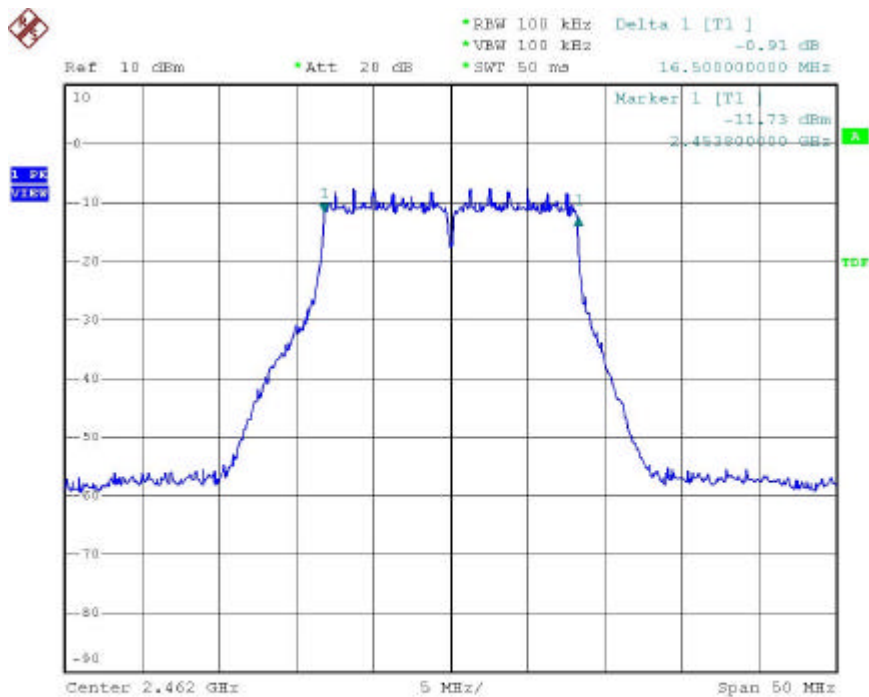
Date: 1.JUL.2005 18:00:35

Channel 06



Date: 1.JUL.2005 18:02:03

Channel 11



Date: 1.JUL.2005 18:03:39