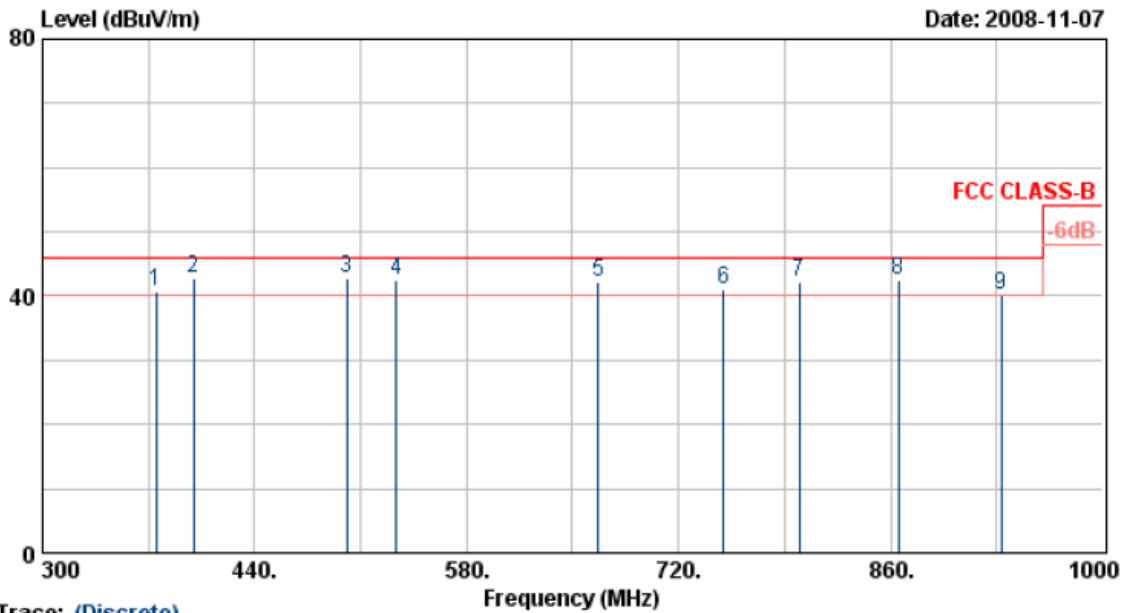




Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 5	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 54 Mbps



Trace: (Discrete)

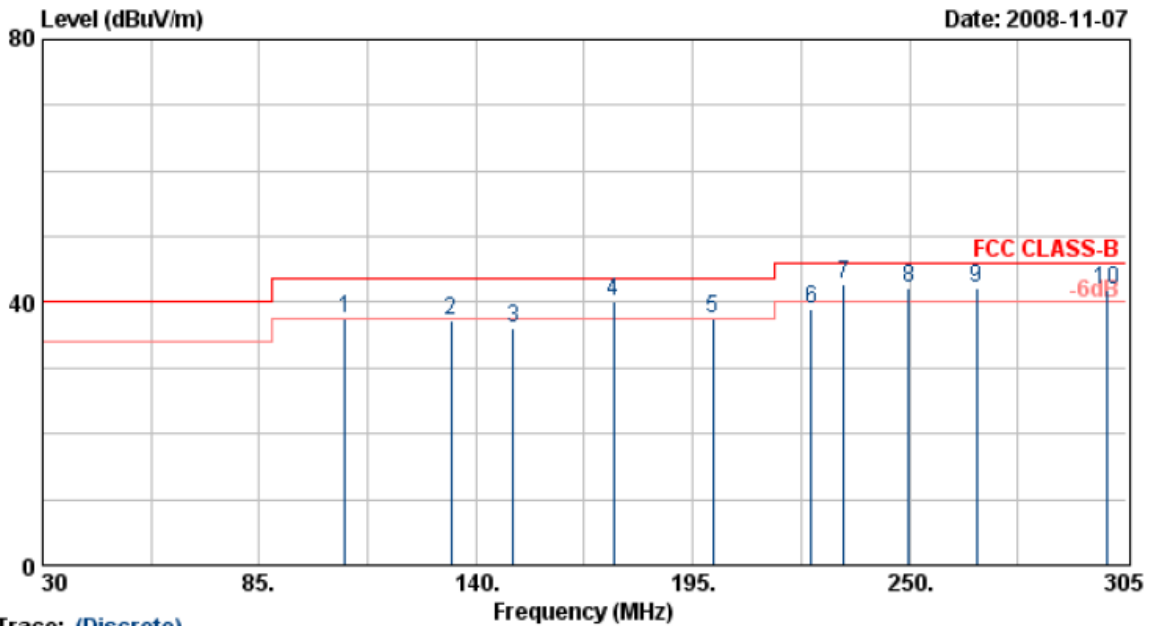
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	374.90	49.55	-8.87	40.68	46.00	-5.32	QP	100	87
2	399.40	51.41	-8.62	42.79	46.00	-3.21	QP	100	87
3	500.90	47.79	-4.89	42.89	46.00	-3.11	QP	100	87
4	533.80	46.40	-3.83	42.57	46.00	-3.43	QP	100	55
5	666.80	45.98	-3.87	42.11	46.00	-3.89	QP	100	360
6	749.40	39.60	1.28	40.88	46.00	-5.12	QP	100	77
7	799.80	45.01	-2.83	42.19	46.00	-3.81	QP	100	99
8	864.90	41.52	0.81	42.33	46.00	-3.67	QP	100	98
9	932.80	41.27	-1.10	40.16	46.00	-5.84	QP	100	360

Notes:

1. Result = Read Value + Factor
2. 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. All emission below 1GHz at 802.11b/g mode are all the same, so the 802.11g mode chosen as representative in final test.
5. According to technical experiences, all spurious emission of 802.11g mode at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.
6. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 5	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 54 Mbps



Trace: (Discrete)

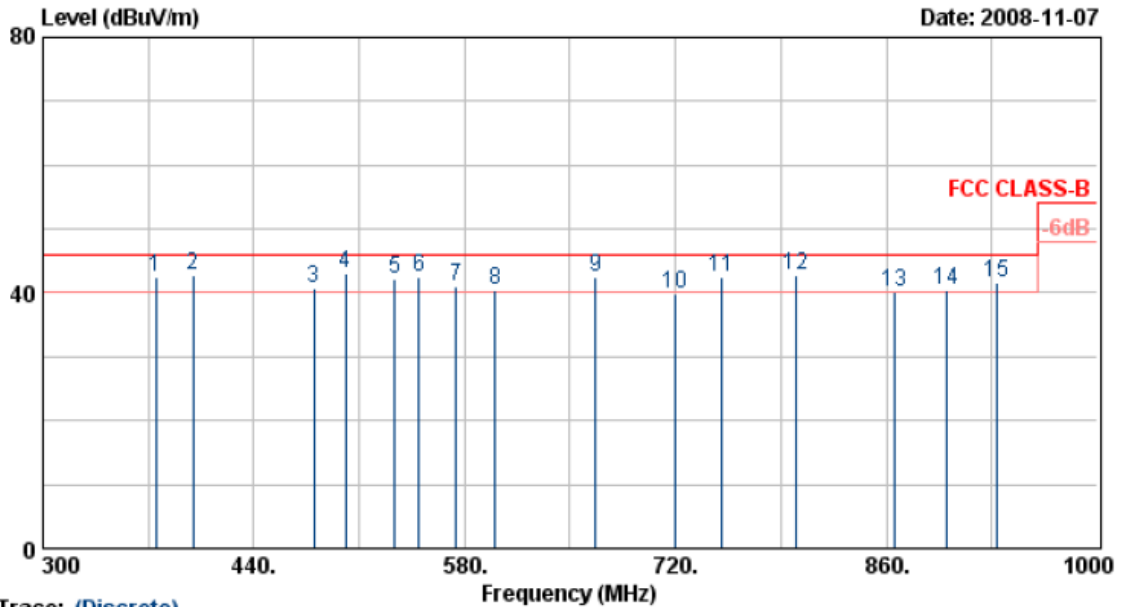
Item	Freq MHz	Read Value dBuV/m	Factor dB	Result dBuV/m	Limit dBuV/m	Margin dB	Remark	Ant Pos cm	Tab Pos Deg
1	106.73	51.27	-13.69	37.57	43.50	-5.93	QP	100	360
2	133.68	52.58	-15.29	37.29	43.50	-6.21	Peak	100	360
3	149.35	48.64	-12.59	36.05	43.50	-7.45	Peak	100	77
4	174.93	50.00	-9.79	40.21	43.50	-3.29	QP	100	74
5	200.23	49.35	-11.71	37.63	43.50	-5.87	QP	100	88
6	224.98	50.98	-12.10	38.89	46.00	-7.11	Peak	100	360
7	233.23	53.30	-10.67	42.63	46.00	-3.37	QP	100	85
8	249.73	55.03	-12.88	42.15	46.00	-3.85	QP	100	360
9	267.05	50.74	-8.47	42.27	46.00	-3.73	Peak	100	79
10	300.05	51.31	-9.49	41.82	46.00	-4.18	QP	100	360

Notes:

1. Result = Read Value + Factor
2. 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. All emission below 1GHz at 802.11b/g mode are all the same, so the 802.11g mode chosen as representative in final test.
5. According to technical experiences, all spurious emission of 802.11g mode at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.
6. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 5	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 54 Mbps



Trace: (Discrete)

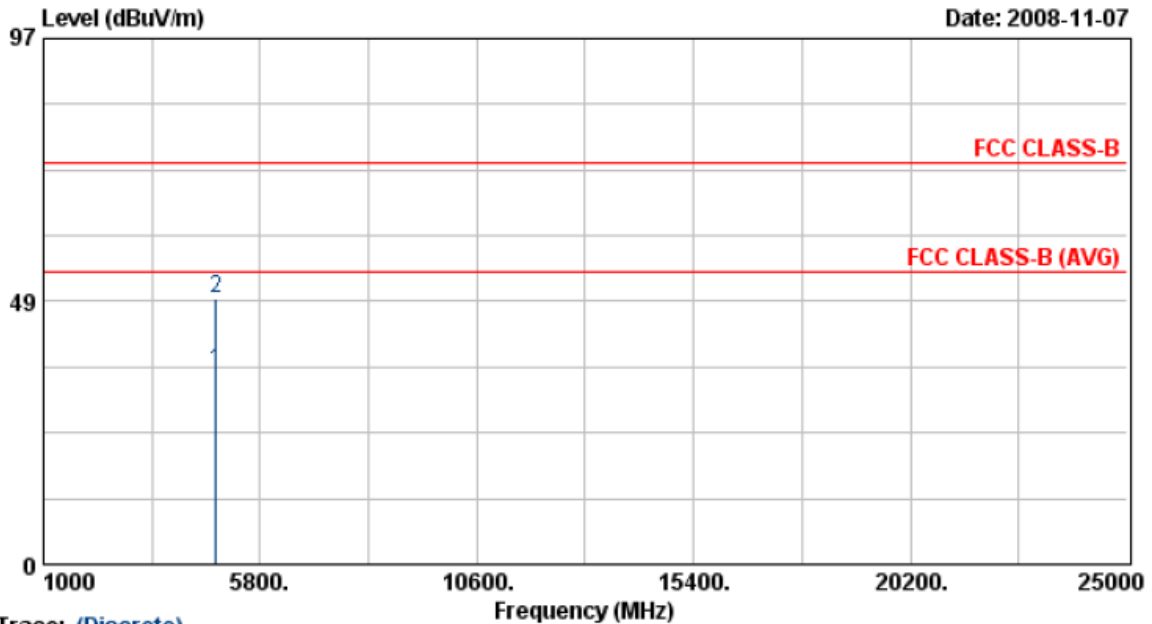
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	374.90	51.48	-8.87	42.61	46.00	-3.39	QP	100	360
2	399.40	51.34	-8.62	42.72	46.00	-3.28	QP	100	144
3	479.90	45.15	-4.50	40.66	46.00	-5.34	QP	100	75
4	500.90	47.81	-4.89	42.92	46.00	-3.08	QP	100	88
5	533.80	46.08	-3.83	42.25	46.00	-3.75	QP	100	98
6	549.90	42.42	-0.02	42.40	46.00	-3.60	QP	100	99
7	574.40	40.67	0.35	41.02	46.00	-4.98	QP	100	155
8	600.30	41.07	-0.49	40.58	46.00	-5.42	QP	100	157
9	666.80	46.45	-3.87	42.57	46.00	-3.43	QP	100	68
10	719.30	37.85	1.92	39.77	46.00	-6.23	Peak	100	144
11	750.10	41.21	1.26	42.47	46.00	-3.53	QP	100	95
12	799.80	45.73	-2.83	42.90	46.00	-3.10	QP	100	99
13	864.90	39.37	0.81	40.18	46.00	-5.82	QP	100	122
14	899.90	39.14	1.29	40.43	46.00	-5.57	QP	100	360
15	932.80	42.84	-1.10	41.74	46.00	-4.26	QP	100	360

Notes:

1. Result = Read Value + Factor
2. 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. All emission below 1GHz at 802.11b/g mode are all the same,so the 802.11g mode chosen as representative in final test.
5. According to technical experiences,all spurious emission of 802.11g mode at channel 1,6,11 are almost the same below 1GHz,so that the channel 1 was chosen as representative in final test.
6. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 5	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 11 Mbps



Trace: (Discrete)

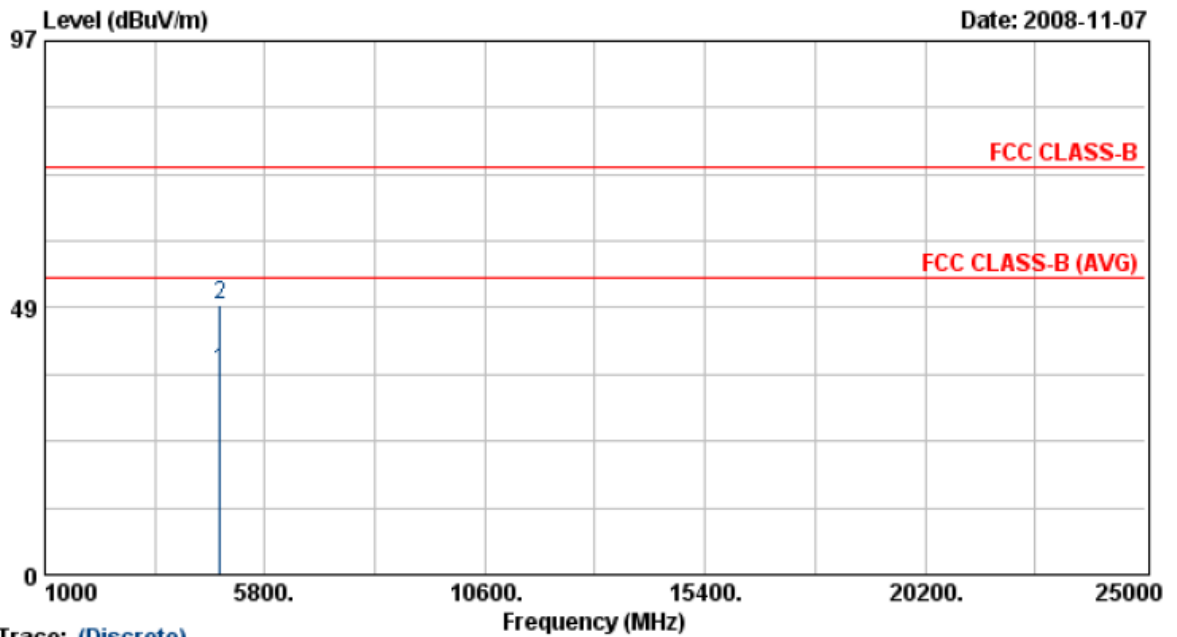
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4824.13	30.09	5.54	35.62	54.00	-18.38	Average	118	240
2	4827.10	43.46	5.55	49.00	74.00	-25.00	Peak	118	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 5	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 11 Mbps



Trace: (Discrete)

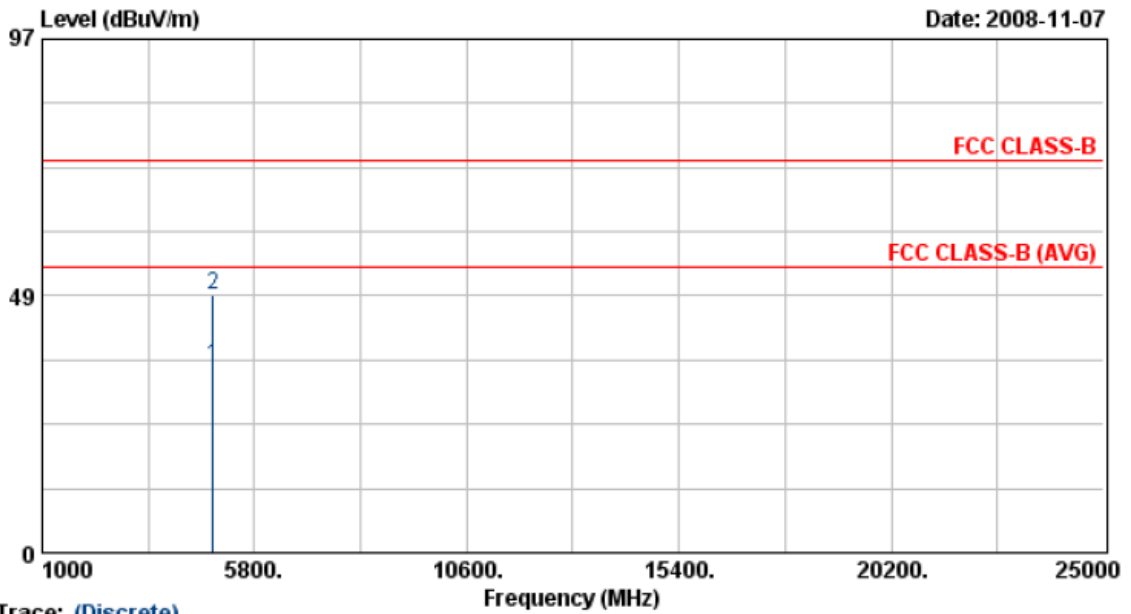
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4823.88	31.46	5.54	37.00	54.00	-17.00	Average	116	240
2	4824.00	43.65	5.54	49.18	74.00	-24.82	Peak	116	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 5	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 6	Humidity	: 65 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 11 Mbps



Trace: (Discrete)

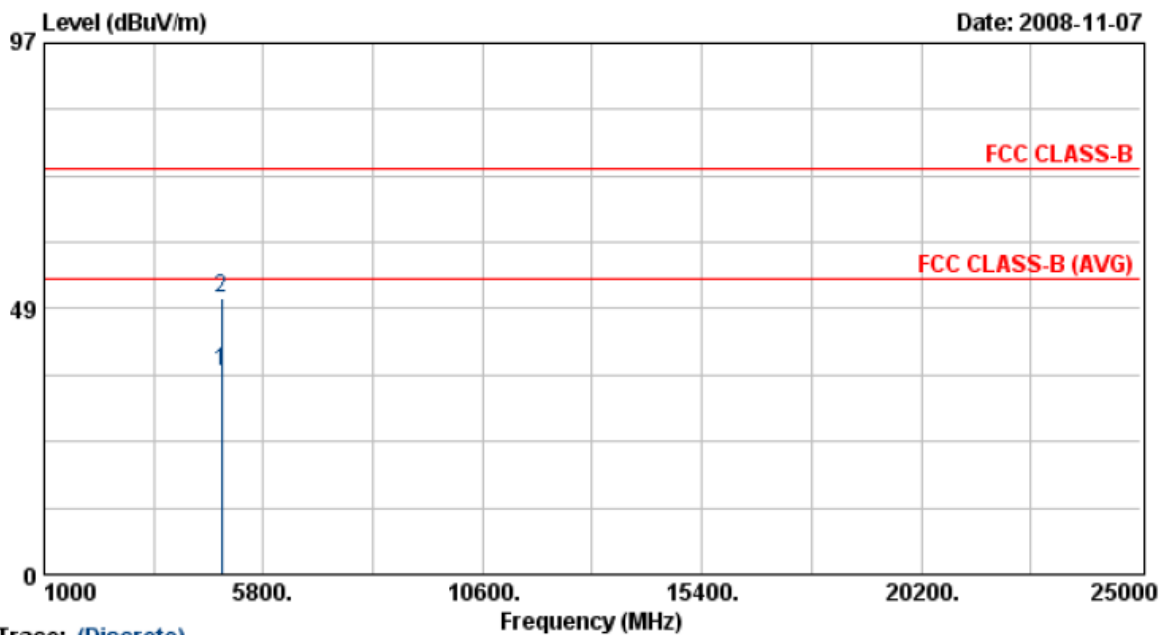
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4869.35	29.68	5.66	35.35	54.00	-18.65	Average	118	240
2	4872.80	42.93	5.67	48.60	74.00	-25.40	Peak	118	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 5	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 6	Humidity	: 65 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 11 Mbps



Trace: (Discrete)

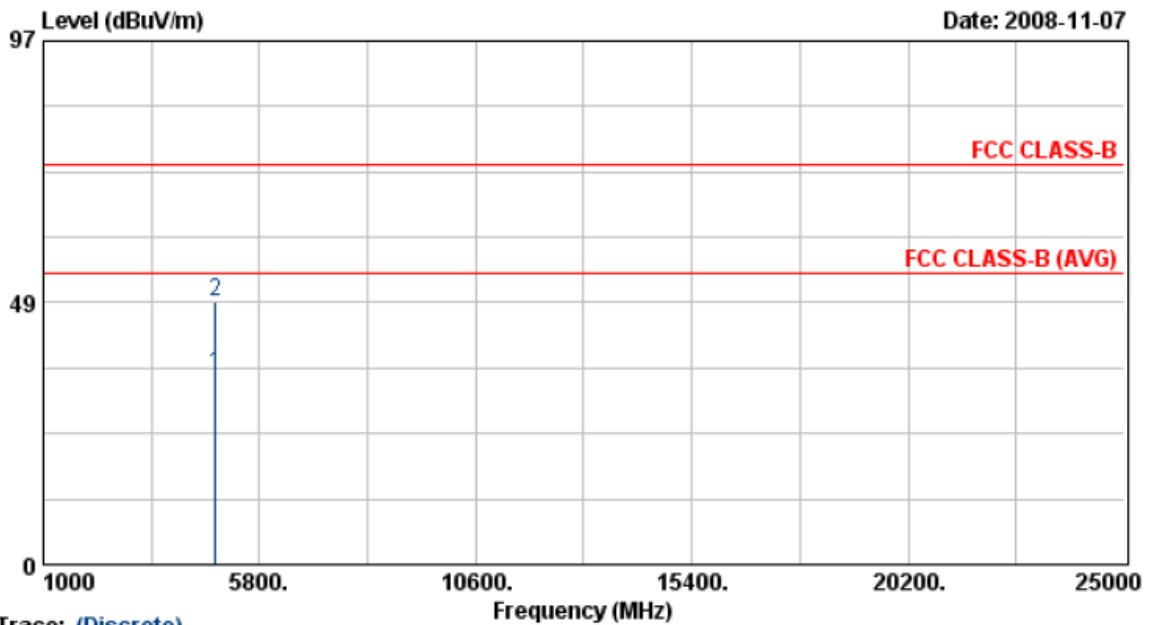
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4873.65	31.50	5.68	37.18	54.00	-16.82	Average	116	240
2	4874.15	44.86	5.68	50.54	74.00	-23.46	Peak	116	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 5	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 11	Humidity	: 65 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 11 Mbps



Trace: (Discrete)

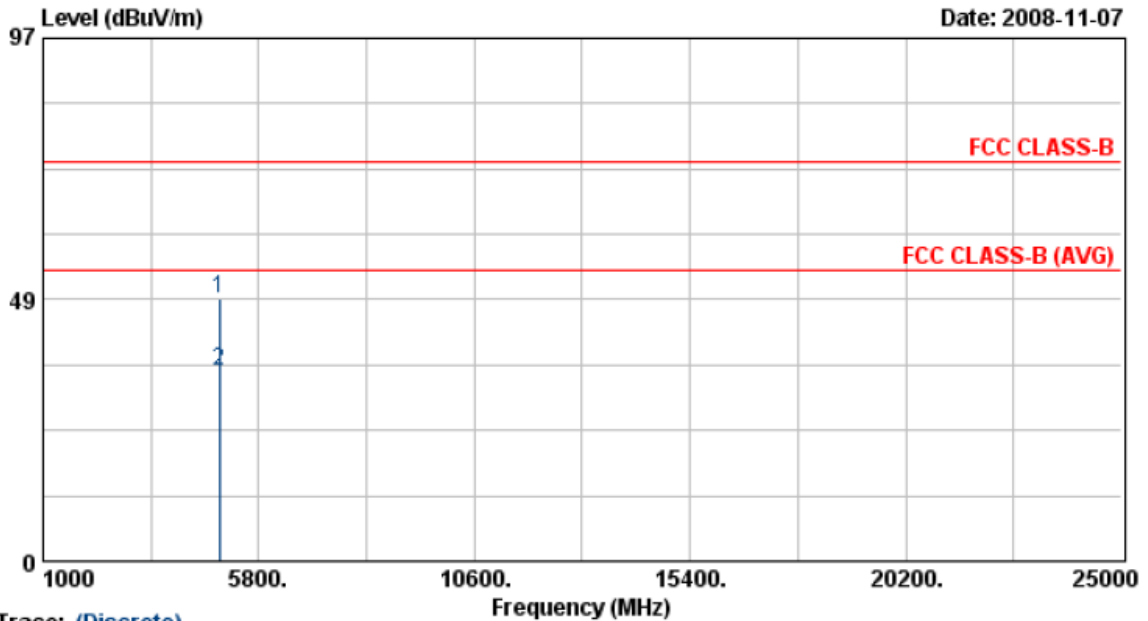
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4820.80	29.82	5.53	35.35	54.00	-18.65	Average	118	240
2	4822.30	43.11	5.53	48.65	74.00	-25.35	Peak	118	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 5	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 11	Humidity	: 65 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 11 Mbps



Trace: (Discrete)

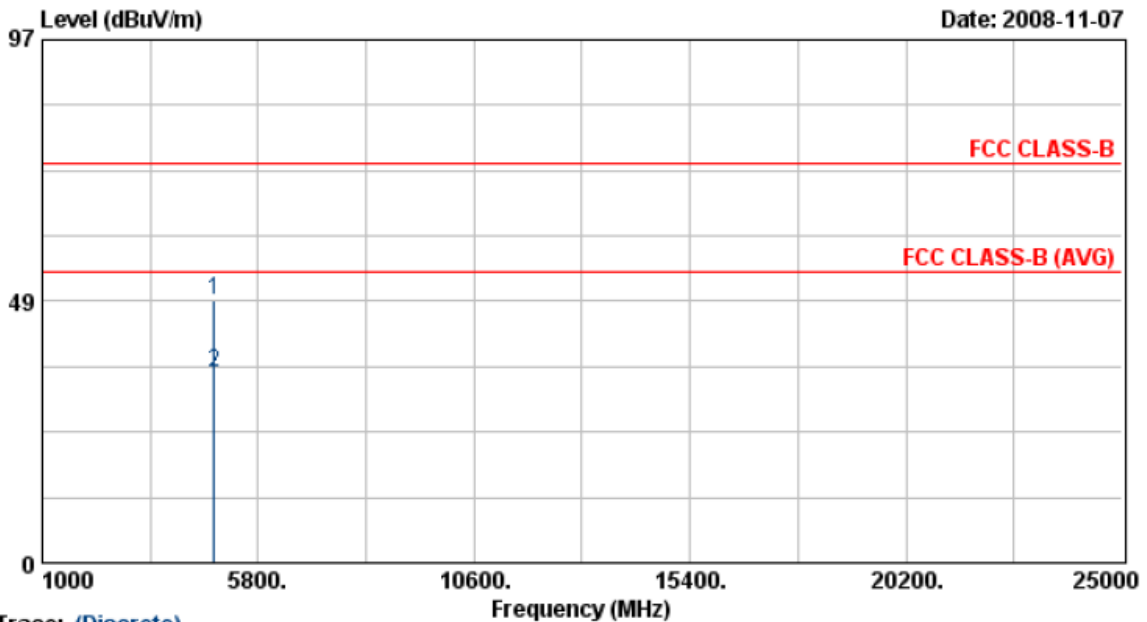
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4923.15	42.80	5.81	48.61	74.00	-25.39	Peak	116	240
2	4923.15	29.35	5.81	35.16	54.00	-18.84	Average	116	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 5	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 54 Mbps



Trace: (Discrete)

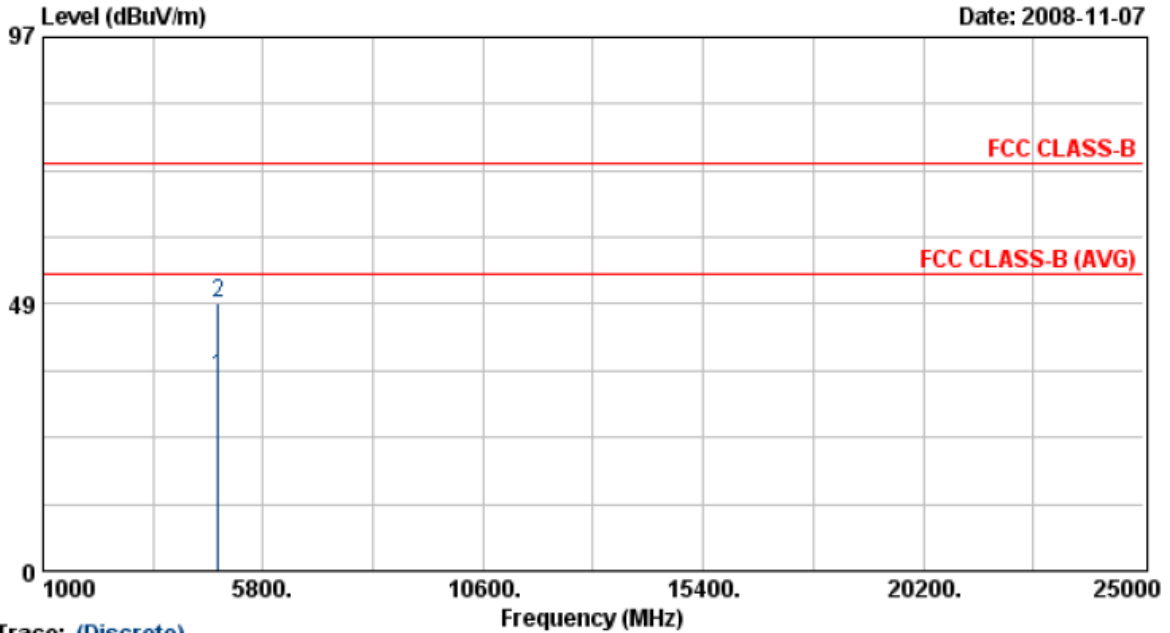
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4824.00	43.27	5.54	48.81	74.00	-25.19	Peak	118	240
2	4824.00	29.79	5.54	35.32	54.00	-18.68	Average	118	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 5	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 54 Mbps



Trace: (Discrete)

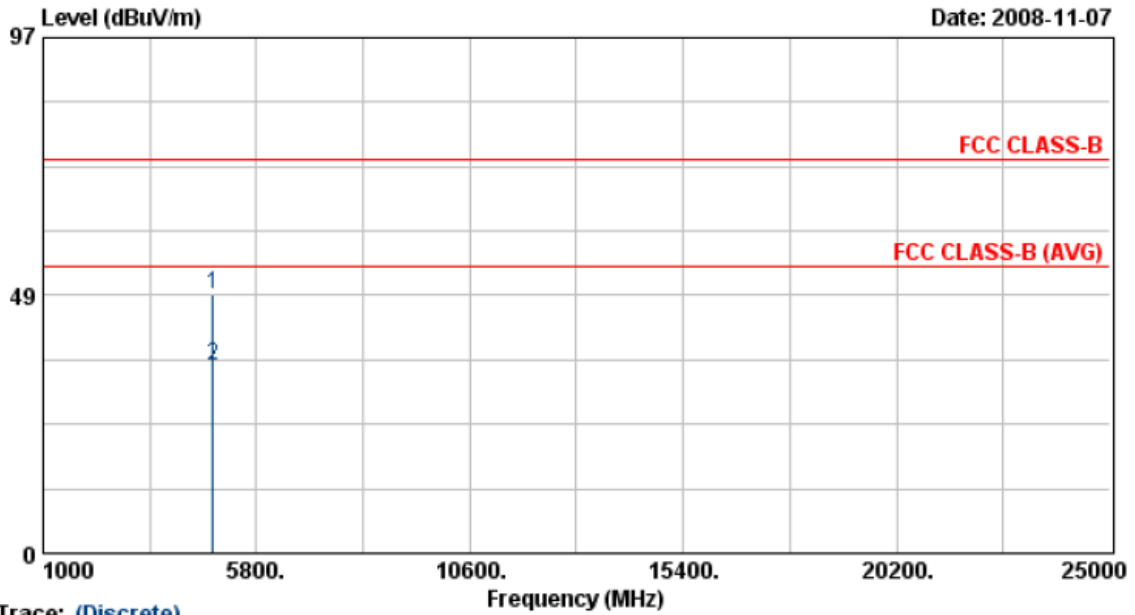
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4821.10	29.86	5.53	35.39	54.00	-18.61	Average	116	240
2	4826.73	42.98	5.54	48.52	74.00	-25.48	Peak	116	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 5	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 6	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 54 Mbps



Trace: (Discrete)

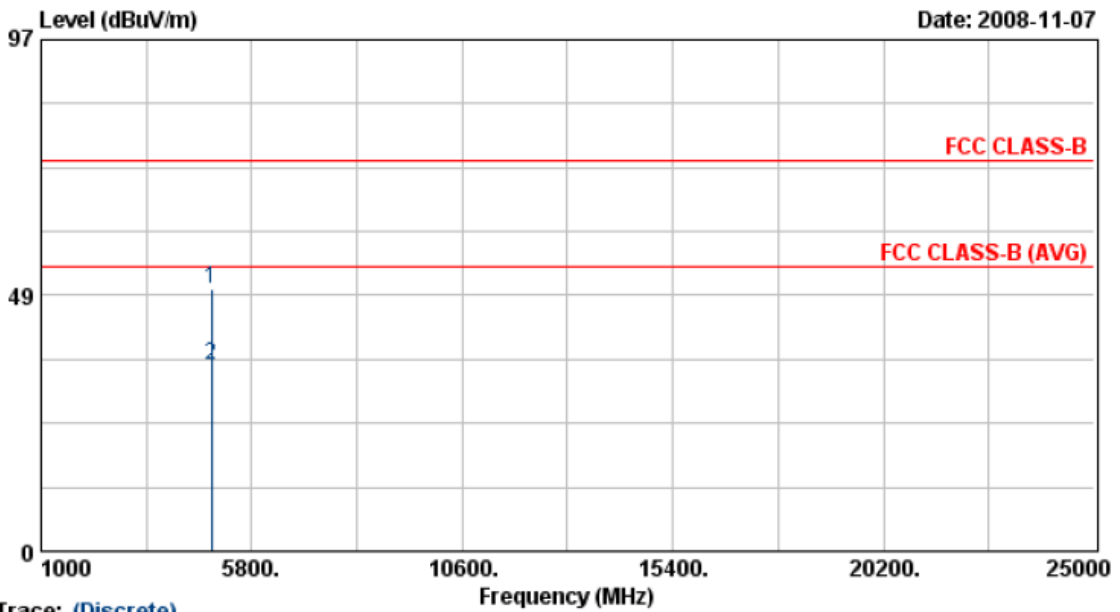
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4821.50	43.16	5.53	48.69	74.00	-25.31	Peak	118	240
2	4821.50	29.74	5.53	35.27	54.00	-18.73	Average	118	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 5	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 6	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 54 Mbps



Trace: (Discrete)

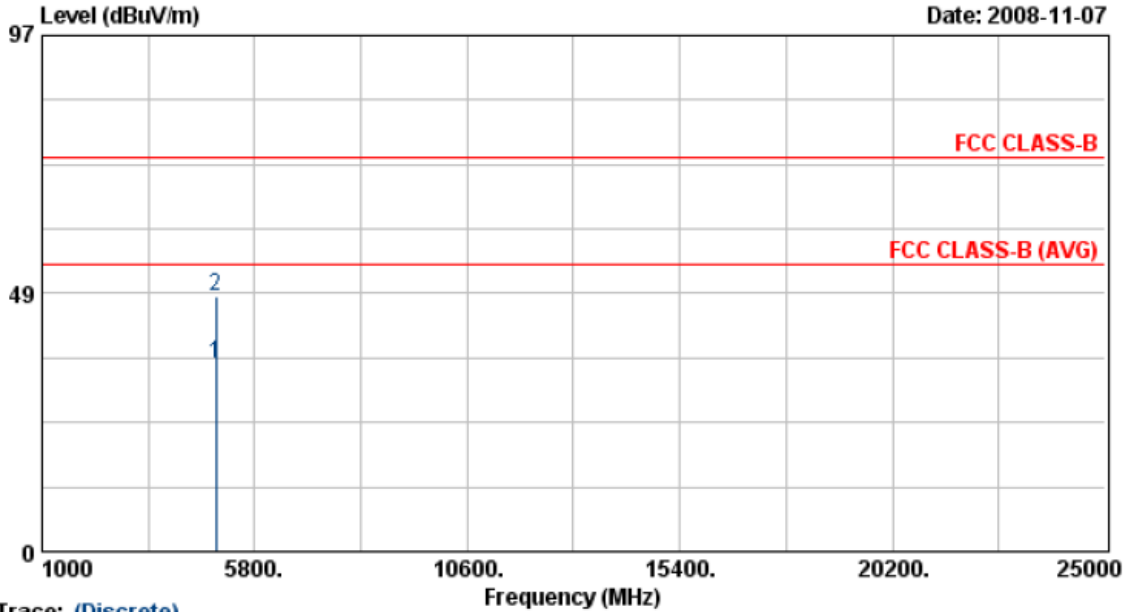
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4873.53	43.92	5.68	49.60	74.00	-24.40	Peak	116	240
2	4873.60	29.68	5.68	35.36	54.00	-18.64	Average	116	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 5	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 11	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 54 Mbps



Trace: (Discrete)

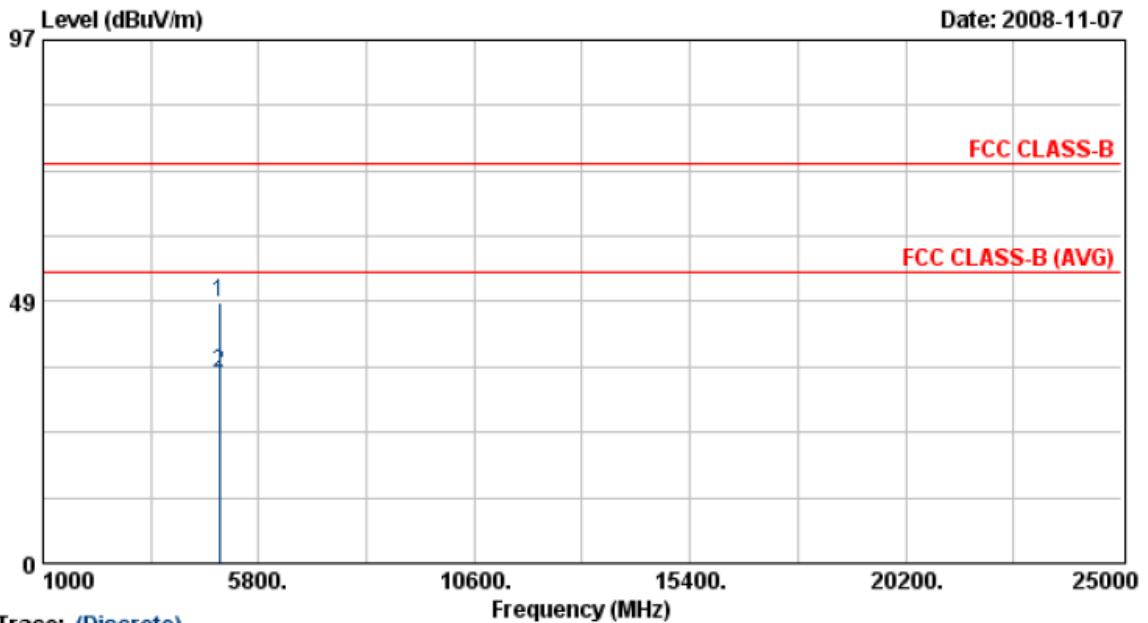
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4920.45	29.47	5.81	35.28	54.00	-18.72	Average	118	240
2	4924.80	42.12	5.82	47.94	74.00	-26.06	Peak	118	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 5	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 11	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 54 Mbps



Trace: (Discrete)

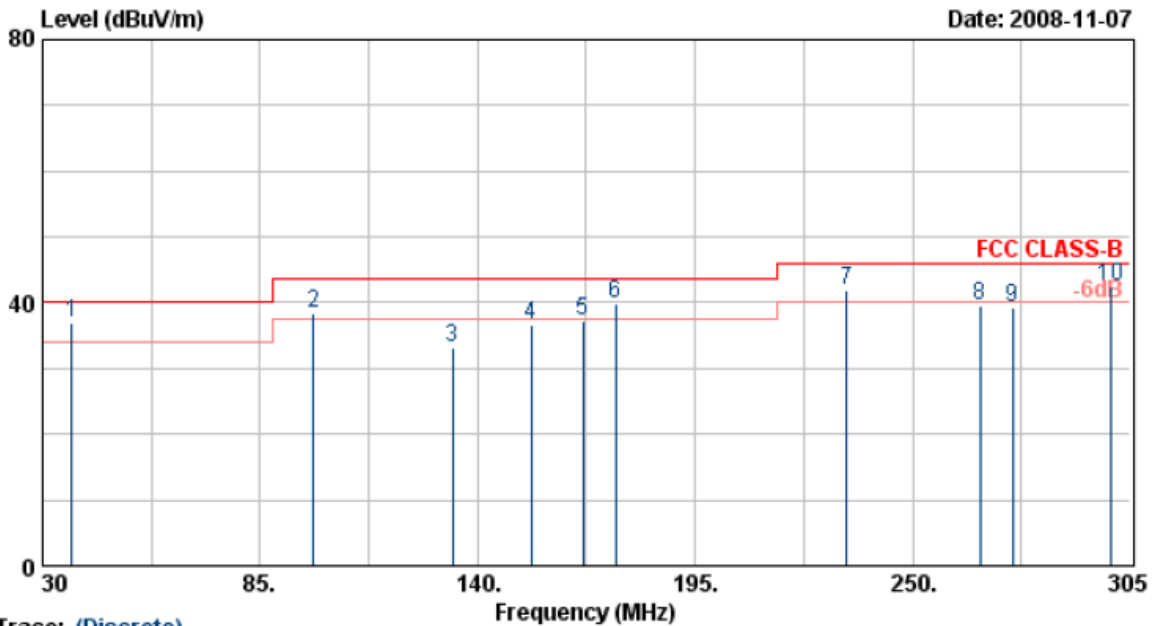
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4922.80	42.43	5.81	48.25	74.00	-25.75	Peak	116	240
2	4923.68	29.53	5.82	35.35	54.00	-18.65	Average	116	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 7	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11n HT20	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 130 Mbps



Trace: (Discrete)

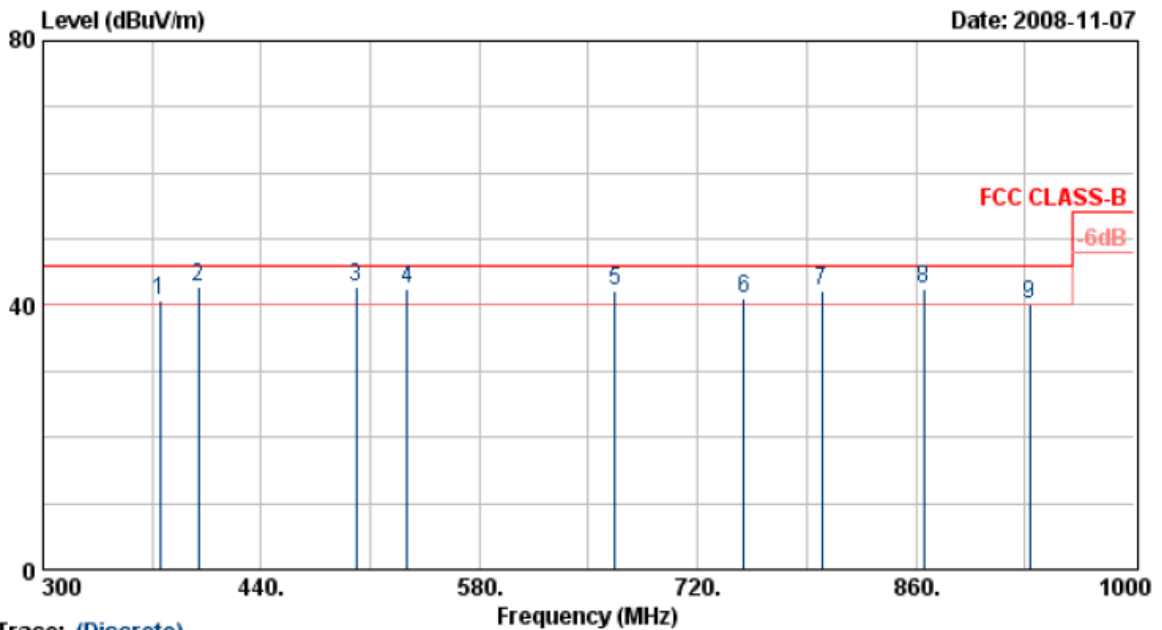
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	37.43	47.03	-10.07	36.97	40.00	-3.03	QP	100	75
2	98.48	53.14	-14.60	38.54	43.50	-4.96	QP	100	77
3	133.68	48.46	-15.29	33.17	43.50	-10.33	Peak	100	144
4	153.48	48.32	-11.79	36.53	43.50	-6.97	Peak	100	74
5	166.68	50.11	-12.91	37.20	43.50	-6.30	Peak	100	360
6	174.93	49.66	-9.79	39.87	43.50	-3.63	QP	100	360
7	233.23	52.52	-10.67	41.84	46.00	-4.16	QP	100	360
8	267.05	48.08	-8.47	39.62	46.00	-6.38	Peak	100	124
9	275.30	46.25	-7.01	39.24	46.00	-6.76	Peak	100	166
10	300.05	51.97	-9.49	42.49	46.00	-3.51	QP	100	167

Notes:

1. Result = Read Value + Factor
2. 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. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.
5. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 7	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11n HT20	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 130 Mbps



Trace: (Discrete)

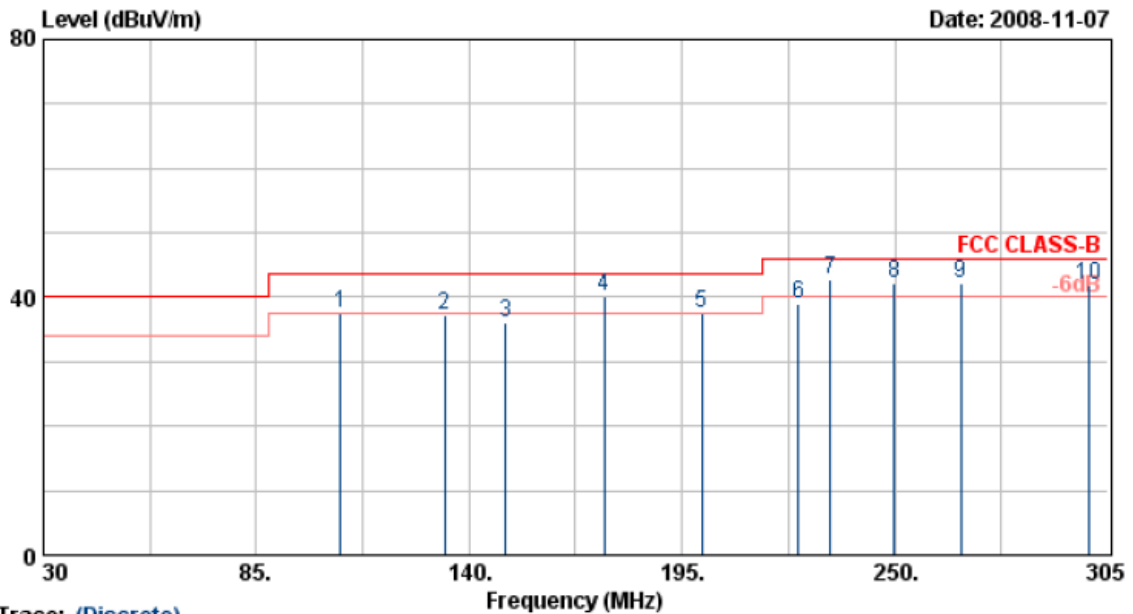
Item	Freq MHz	Read Value dBuV/m	Factor dB	Result dBuV/m	Limit dBuV/m	Margin dB	Remark	Ant Pos cm	Tab Pos Deg
1	374.90	49.55	-8.87	40.68	46.00	-5.32	QP	100	87
2	399.40	51.41	-8.62	42.79	46.00	-3.21	QP	100	87
3	500.90	47.79	-4.89	42.89	46.00	-3.11	QP	100	87
4	533.80	46.40	-3.83	42.57	46.00	-3.43	QP	100	55
5	666.80	45.98	-3.87	42.11	46.00	-3.89	QP	100	360
6	749.40	39.60	1.28	40.88	46.00	-5.12	QP	100	77
7	799.80	45.01	-2.83	42.19	46.00	-3.81	QP	100	99
8	864.90	41.52	0.81	42.33	46.00	-3.67	QP	100	98
9	932.80	41.27	-1.10	40.16	46.00	-5.84	QP	100	360

Notes:

1. Result = Read Value + Factor
2. 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. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.
5. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 7	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11n HT20	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 130 Mbps



Trace: (Discrete)

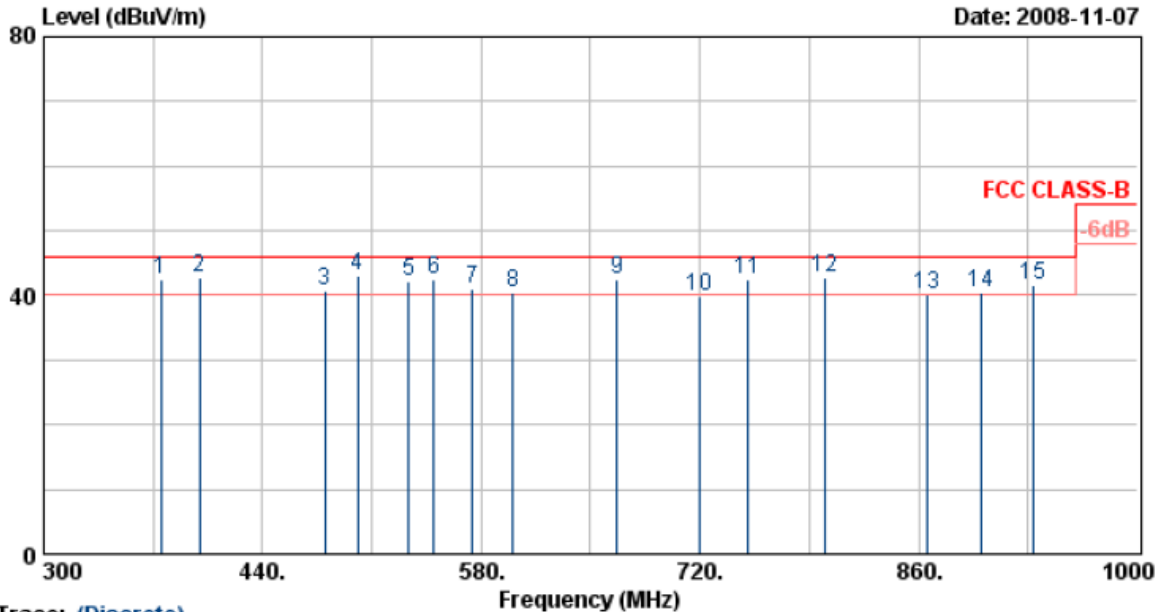
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBUV/m	dB	dBUV/m	dBUV/m	dB		cm	Deg
1	106.73	51.27	-13.69	37.57	43.50	-5.93	QP	100	360
2	133.68	52.58	-15.29	37.29	43.50	-6.21	Peak	100	360
3	149.35	48.64	-12.59	36.05	43.50	-7.45	Peak	100	77
4	174.93	50.00	-9.79	40.21	43.50	-3.29	QP	100	74
5	200.23	49.35	-11.71	37.63	43.50	-5.87	QP	100	88
6	224.98	50.98	-12.10	38.89	46.00	-7.11	Peak	100	360
7	233.23	53.30	-10.67	42.63	46.00	-3.37	QP	100	85
8	249.73	55.03	-12.88	42.15	46.00	-3.85	QP	100	360
9	267.05	50.74	-8.47	42.27	46.00	-3.73	Peak	100	79
10	300.05	51.31	-9.49	41.82	46.00	-4.18	QP	100	360

Notes:

1. Result = Read Value + Factor
2. 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. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.
5. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 7	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11n HT20	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 130 Mbps

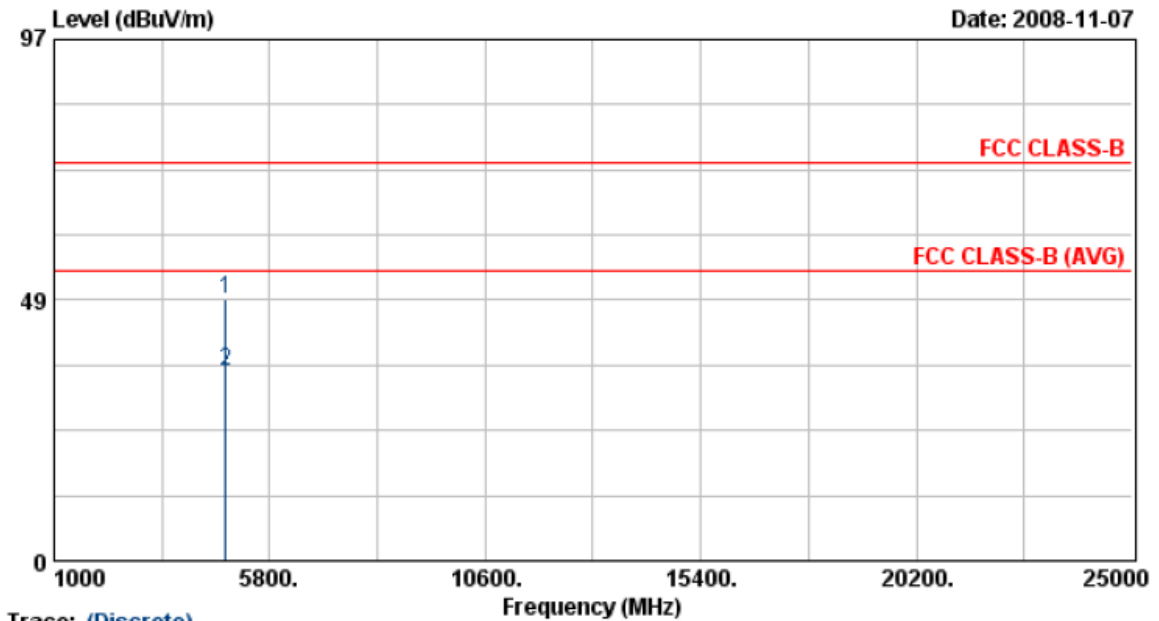


Notes:

1. Result = Read Value + Factor
2. 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. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.
5. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 7	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11n HT20	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 130 Mbps



Trace: (Discrete)

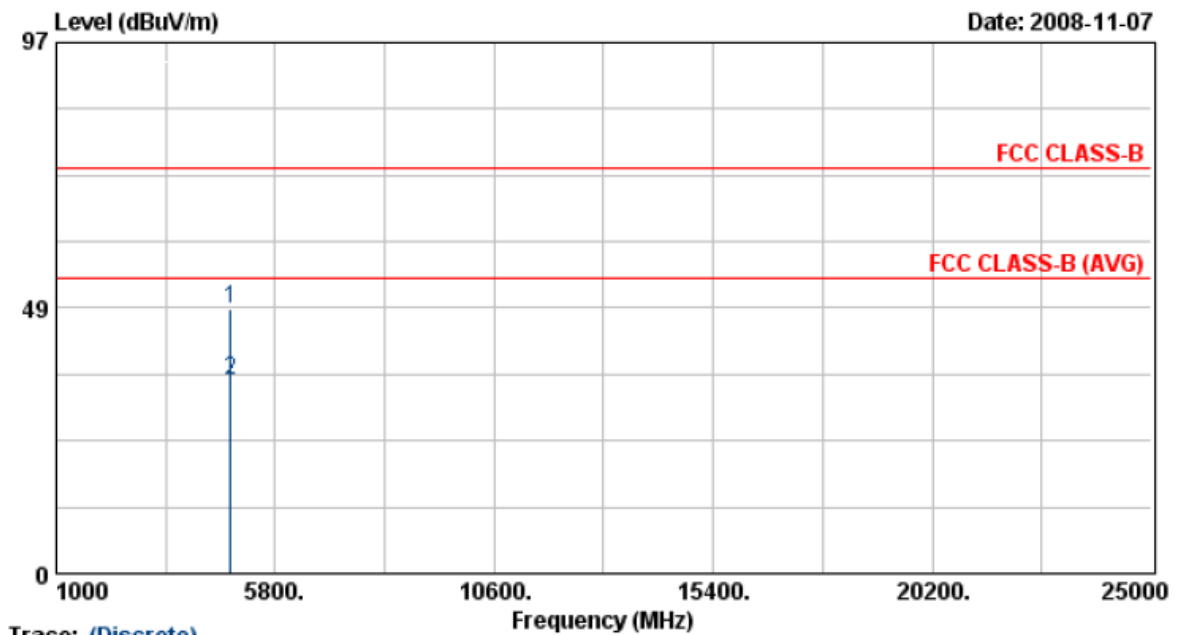
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4828.25	43.00	5.55	48.54	74.00	-25.46	Peak	118	240
2	4828.55	29.71	5.55	35.26	54.00	-18.74	Average	118	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 7	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11n HT20	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 130 Mbps



Trace: (Discrete)

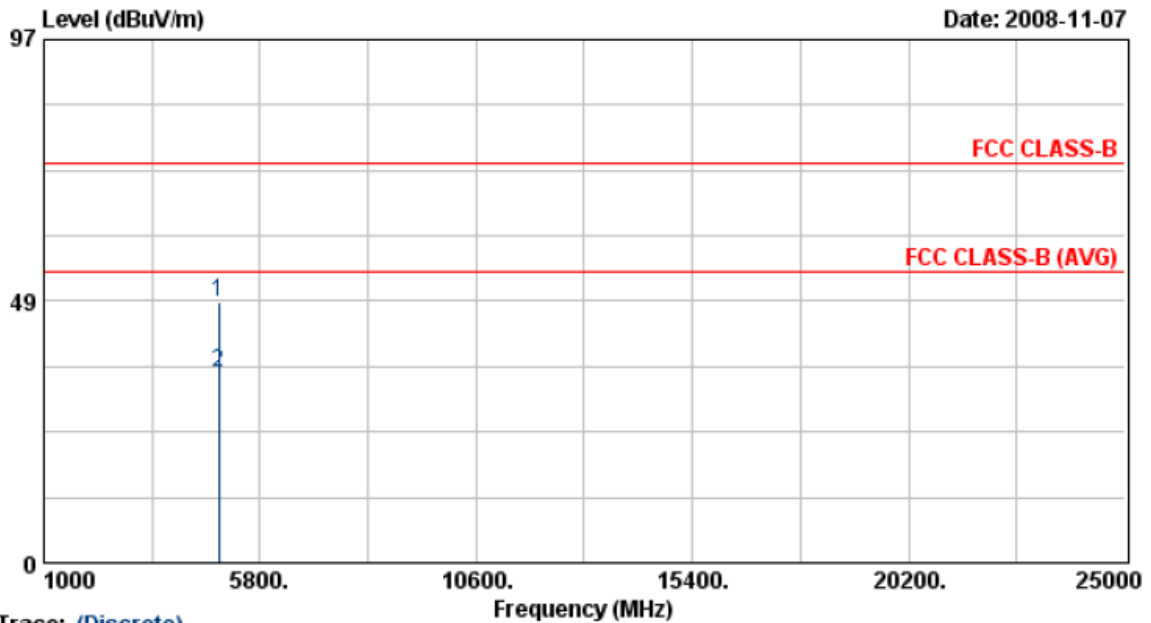
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4821.00	42.70	5.53	48.23	74.00	-25.77	Peak	116	240
2	4823.73	29.79	5.54	35.33	54.00	-18.67	Average	116	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 7	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 6	Humidity	: 65 %
Modulation Type	: 802.11n HT20	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 130 Mbps



Trace: (Discrete)

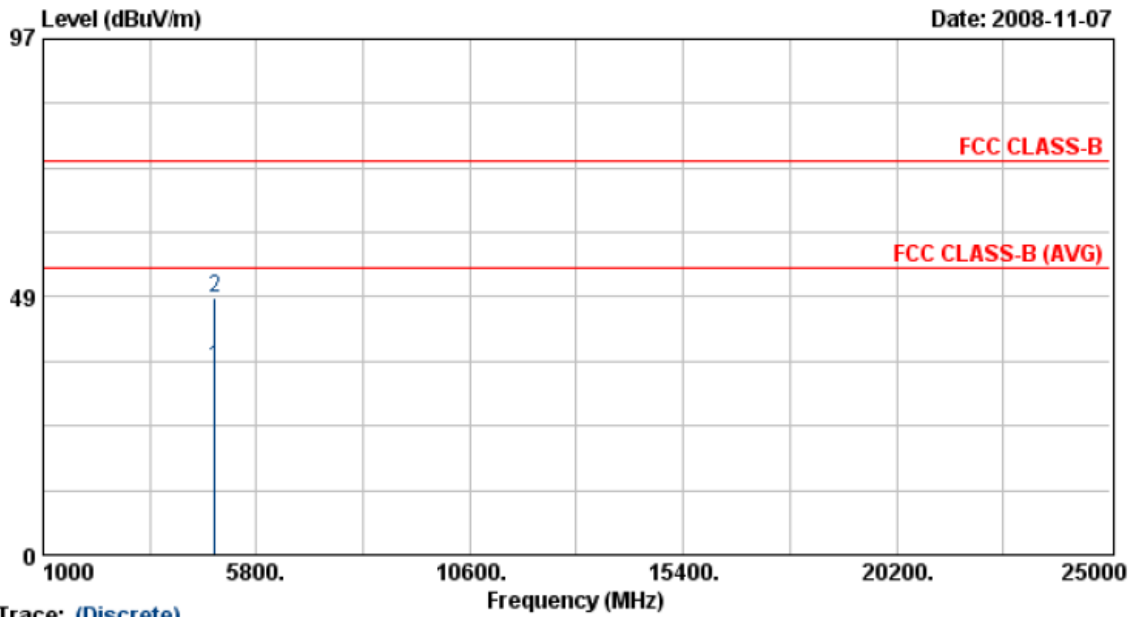
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4878.65	42.73	5.69	48.42	74.00	-25.58	Peak	118	240
2	4878.65	29.55	5.69	35.24	54.00	-18.76	Average	118	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 7	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 6	Humidity	: 65 %
Modulation Type	: 802.11n HT20	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 130 Mbps



Trace: (Discrete)

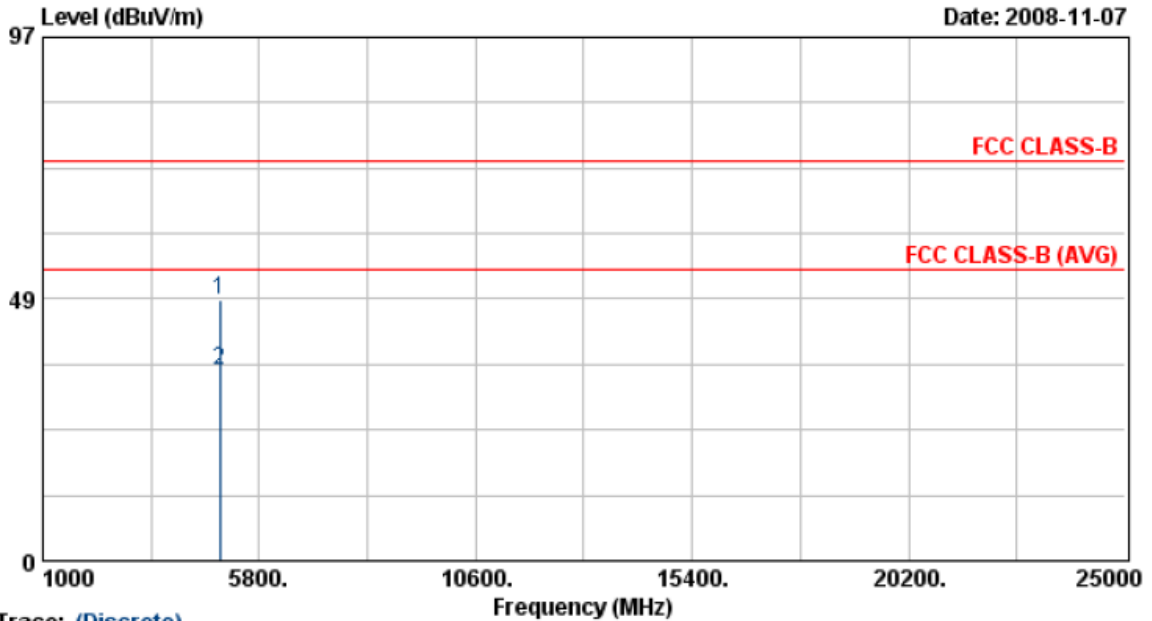
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4869.15	29.59	5.66	35.26	54.00	-18.74	Average	116	240
2	4870.23	42.68	5.67	48.35	74.00	-25.65	Peak	116	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 7	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 11	Humidity	: 65 %
Modulation Type	: 802.11n HT20	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 130 Mbps



Trace: (Discrete)

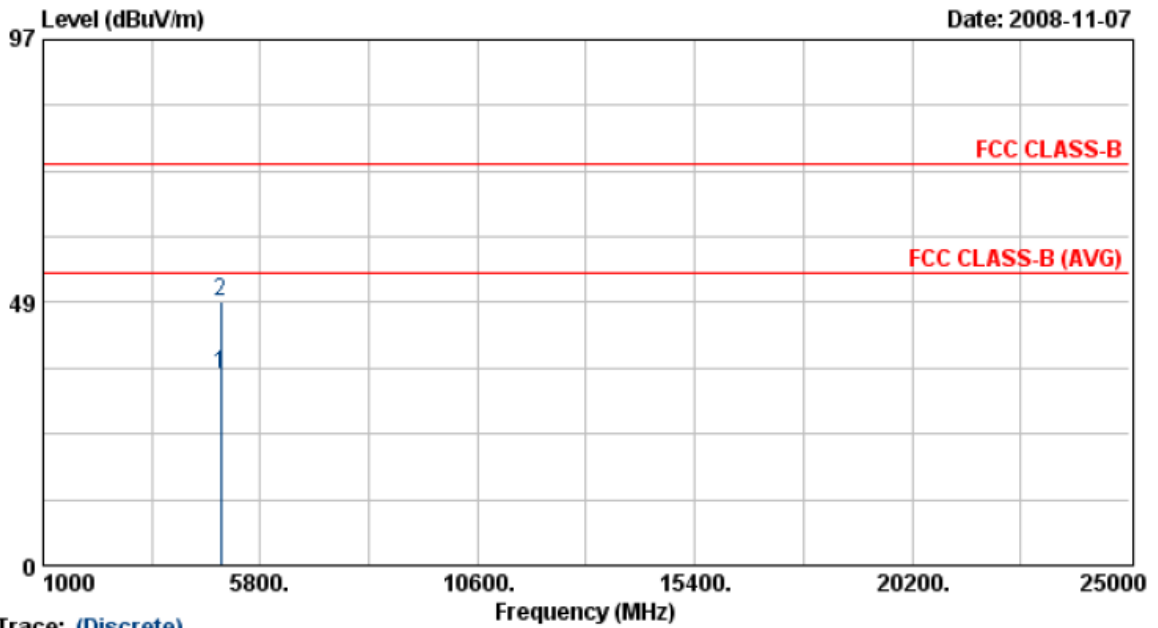
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4922.95	42.38	5.81	48.20	74.00	-25.80	Peak	118	240
2	4928.70	29.40	5.83	35.23	54.00	-18.77	Average	118	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 7	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 11	Humidity	: 65 %
Modulation Type	: 802.11n HT20	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 130 Mbps



Trace: (Discrete)

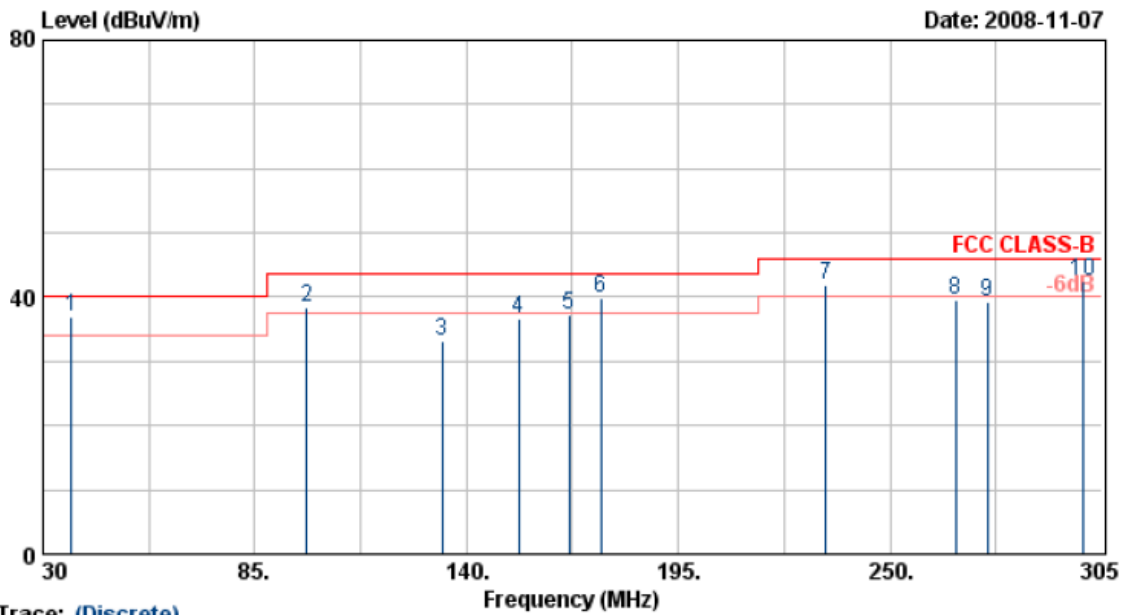
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4921.20	29.44	5.81	35.25	54.00	-18.75	Average	116	240
2	4927.03	42.80	5.83	48.63	74.00	-25.37	Peak	116	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 8	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 3	Humidity	: 65 %
Modulation Type	: 802.11n HT40	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 300 Mbps



Trace: (Discrete)

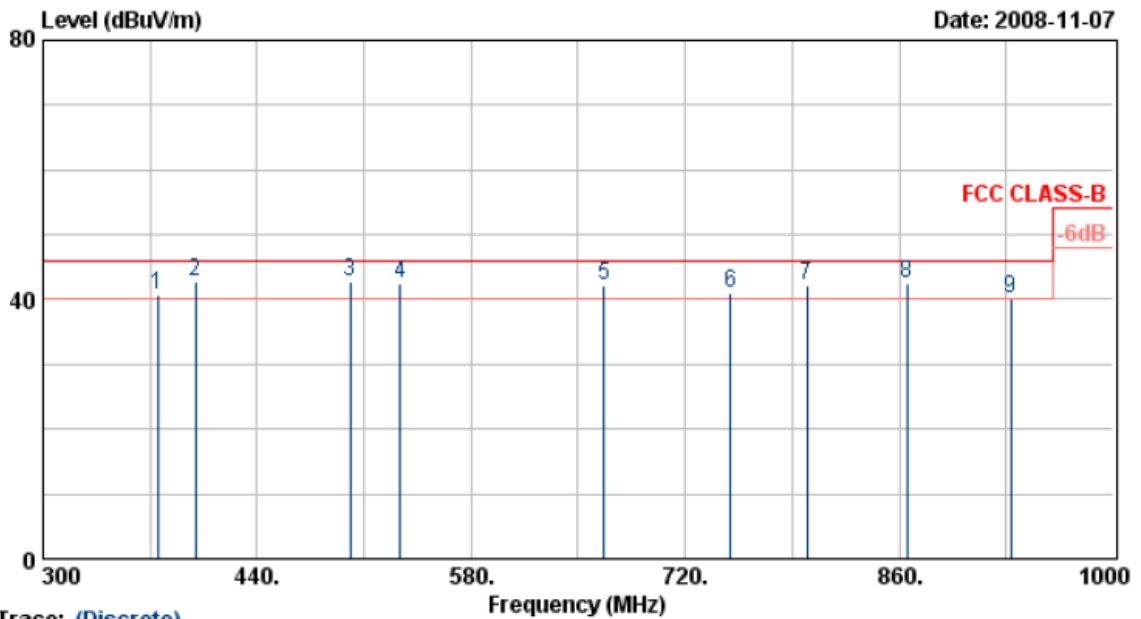
Item	Freq MHz	Read Value dBuV/m	Factor dB	Result dBuV/m	Limit dBuV/m	Margin dB	Remark	Ant Pos cm	Tab Pos Deg
1	37.43	47.02	-10.07	36.96	40.00	-3.04	QP	100	75
2	98.48	53.14	-14.60	38.54	43.50	-4.96	QP	100	77
3	133.68	48.46	-15.29	33.17	43.50	-10.33	Peak	100	144
4	153.48	48.32	-11.79	36.53	43.50	-6.97	Peak	100	74
5	166.68	50.11	-12.91	37.20	43.50	-6.30	Peak	100	360
6	174.93	49.66	-9.79	39.87	43.50	-3.63	QP	100	360
7	233.23	52.52	-10.67	41.84	46.00	-4.16	QP	100	360
8	267.05	48.08	-8.47	39.62	46.00	-6.38	Peak	100	124
9	275.30	46.25	-7.01	39.24	46.00	-6.76	Peak	100	166
10	300.05	51.97	-9.49	42.49	46.00	-3.51	QP	100	167

Notes:

1. Result = Read Value + Factor
2. 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. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 3,6,9 are almost the same below 1GHz, so that the channel 3 was chosen as representative in final test.
5. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 8	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 3	Humidity	: 65 %
Modulation Type	: 802.11n HT40	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 300 Mbps



Trace: (Discrete)

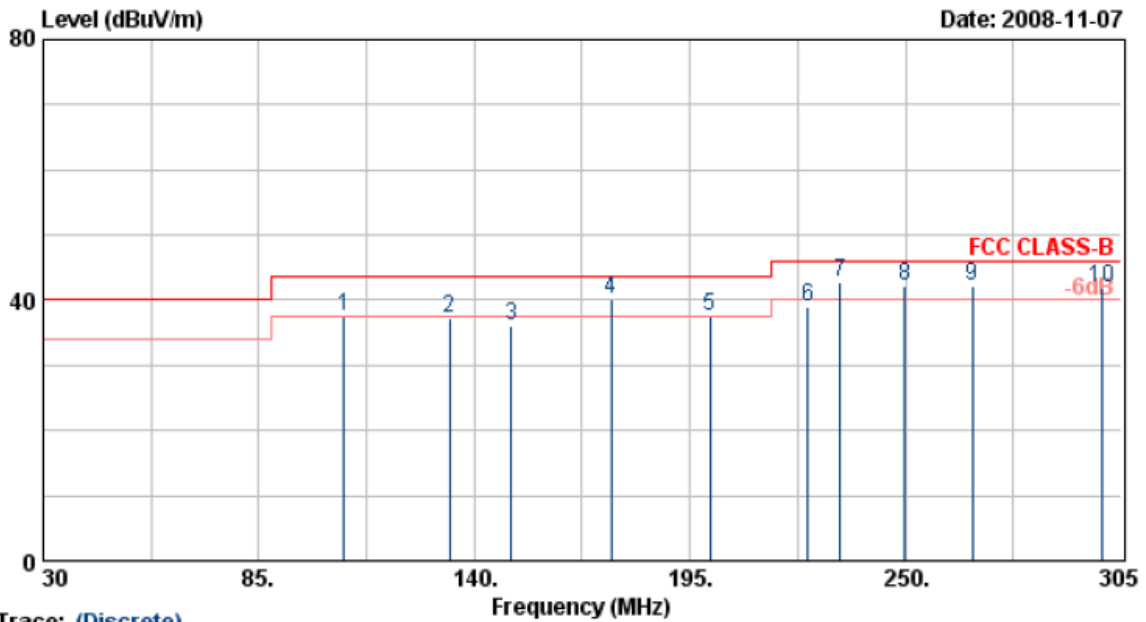
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	374.90	49.55	-8.87	40.68	46.00	-5.32	QP	100	87
2	399.40	51.41	-8.62	42.79	46.00	-3.21	QP	100	87
3	500.90	47.79	-4.89	42.89	46.00	-3.11	QP	100	87
4	533.80	46.40	-3.83	42.57	46.00	-3.43	QP	100	55
5	666.80	45.98	-3.87	42.11	46.00	-3.89	QP	100	360
6	749.40	39.60	1.28	40.88	46.00	-5.12	QP	100	77
7	799.80	45.01	-2.83	42.19	46.00	-3.81	QP	100	99
8	864.90	41.52	0.81	42.33	46.00	-3.67	QP	100	98
9	932.80	41.27	-1.10	40.16	46.00	-5.84	QP	100	360

Notes:

1. Result = Read Value + Factor
2. 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. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 3,6,9 are almost the same below 1GHz, so that the channel 3 was chosen as representative in final test.
5. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 8	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 3	Humidity	: 65 %
Modulation Type	: 802.11n HT40	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 300 Mbps



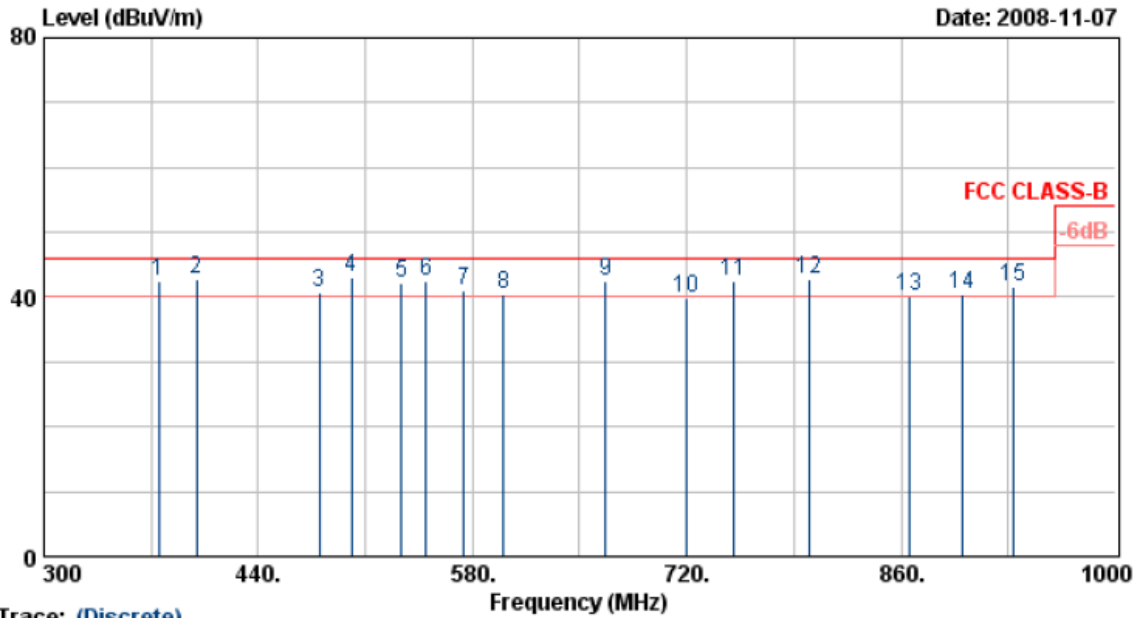
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	106.73	51.27	-13.69	37.57	43.50	-5.93	QP	100	360
2	133.68	52.58	-15.29	37.29	43.50	-6.21	Peak	100	360
3	149.35	48.64	-12.59	36.05	43.50	-7.45	Peak	100	77
4	174.93	50.00	-9.79	40.21	43.50	-3.29	QP	100	74
5	200.23	49.35	-11.71	37.63	43.50	-5.87	QP	100	88
6	224.98	50.98	-12.10	38.89	46.00	-7.11	Peak	100	360
7	233.23	53.30	-10.67	42.63	46.00	-3.37	QP	100	85
8	249.73	55.03	-12.88	42.15	46.00	-3.85	QP	100	360
9	267.05	50.74	-8.47	42.27	46.00	-3.73	Peak	100	79
10	300.05	51.31	-9.49	41.82	46.00	-4.18	QP	100	360

- Notes:
1. Result = Read Value + Factor
 2. 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. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 3,6,9 are almost the same below 1GHz, so that the channel 3 was chosen as representative in final test.
 5. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 8	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 3	Humidity	: 65 %
Modulation Type	: 802.11n HT40	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 300 Mbps



Trace: (Discrete)

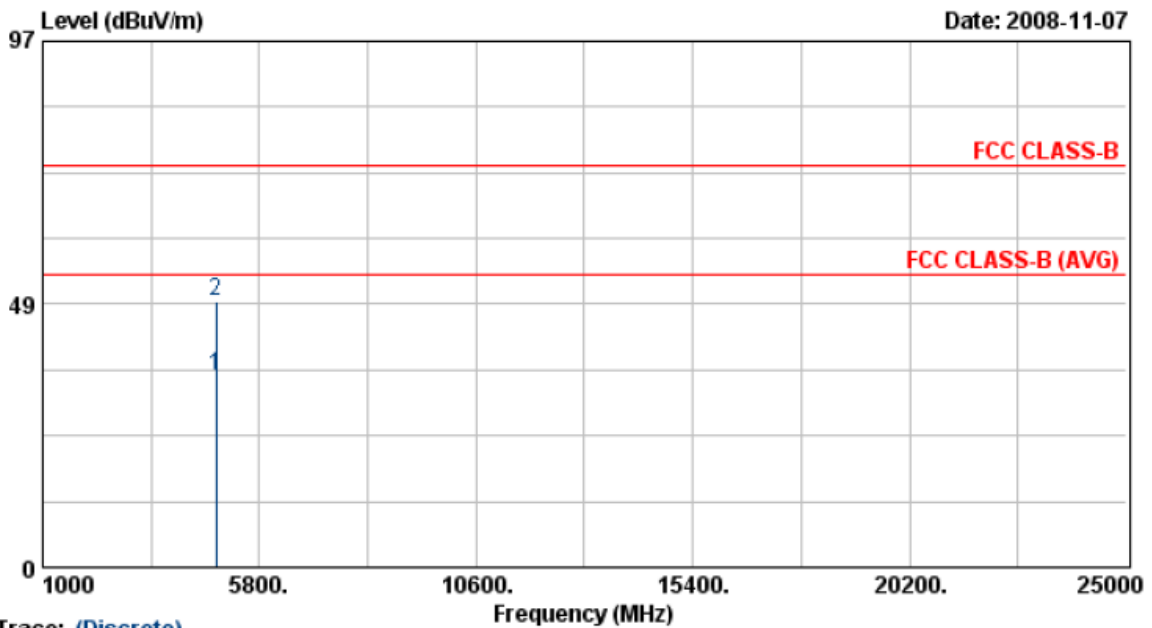
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	374.90	51.48	-8.87	42.61	46.00	-3.39	QP	100	360
2	399.40	51.34	-8.62	42.72	46.00	-3.28	QP	100	144
3	479.90	45.15	-4.50	40.66	46.00	-5.34	QP	100	75
4	500.90	47.81	-4.89	42.92	46.00	-3.08	QP	100	88
5	533.80	46.08	-3.83	42.25	46.00	-3.75	QP	100	98
6	549.90	42.42	-0.02	42.40	46.00	-3.60	QP	100	99
7	574.40	40.67	0.35	41.02	46.00	-4.98	QP	100	155
8	600.30	41.07	-0.49	40.58	46.00	-5.42	QP	100	157
9	666.80	46.45	-3.87	42.57	46.00	-3.43	QP	100	68
10	719.30	37.85	1.92	39.77	46.00	-6.23	Peak	100	144
11	750.10	41.21	1.26	42.47	46.00	-3.53	QP	100	95
12	799.80	45.73	-2.83	42.90	46.00	-3.10	QP	100	99
13	864.90	39.37	0.81	40.18	46.00	-5.82	QP	100	122
14	899.90	39.14	1.29	40.43	46.00	-5.57	QP	100	360
15	932.80	42.84	-1.10	41.74	46.00	-4.26	QP	100	360

Notes:

1. Result = Read Value + Factor
2. 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. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 3,6,9 are almost the same below 1GHz, so that the channel 3 was chosen as representative in final test.
5. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 8	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 3	Humidity	: 65 %
Modulation Type	: 802.11n HT40	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 300 Mbps



Trace: (Discrete)

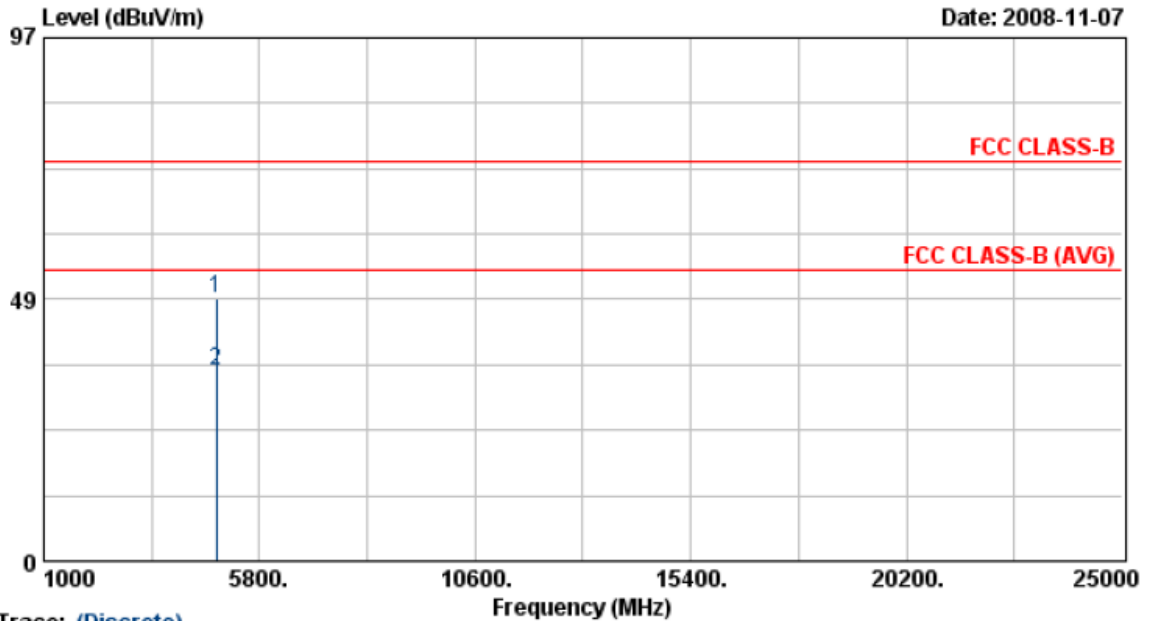
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4845.33	29.67	5.60	35.27	54.00	-18.73	Average	116	240
2	4846.33	43.60	5.60	49.20	74.00	-24.80	Peak	116	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 8	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 3	Humidity	: 65 %
Modulation Type	: 802.11n HT40	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 300 Mbps



Trace: (Discrete)

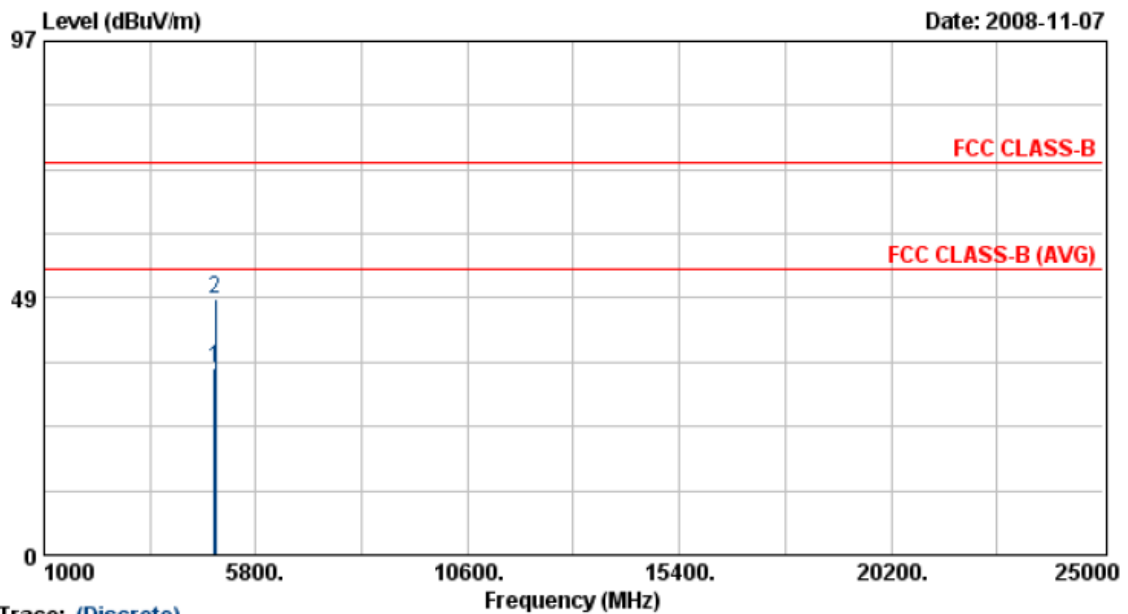
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4839.60	43.16	5.58	48.74	74.00	-25.26	Peak	116	240
2	4845.28	29.67	5.60	35.27	54.00	-18.73	Average	116	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 8	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 6	Humidity	: 65 %
Modulation Type	: 802.11n HT40	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 300 Mbps



Trace: (Discrete)

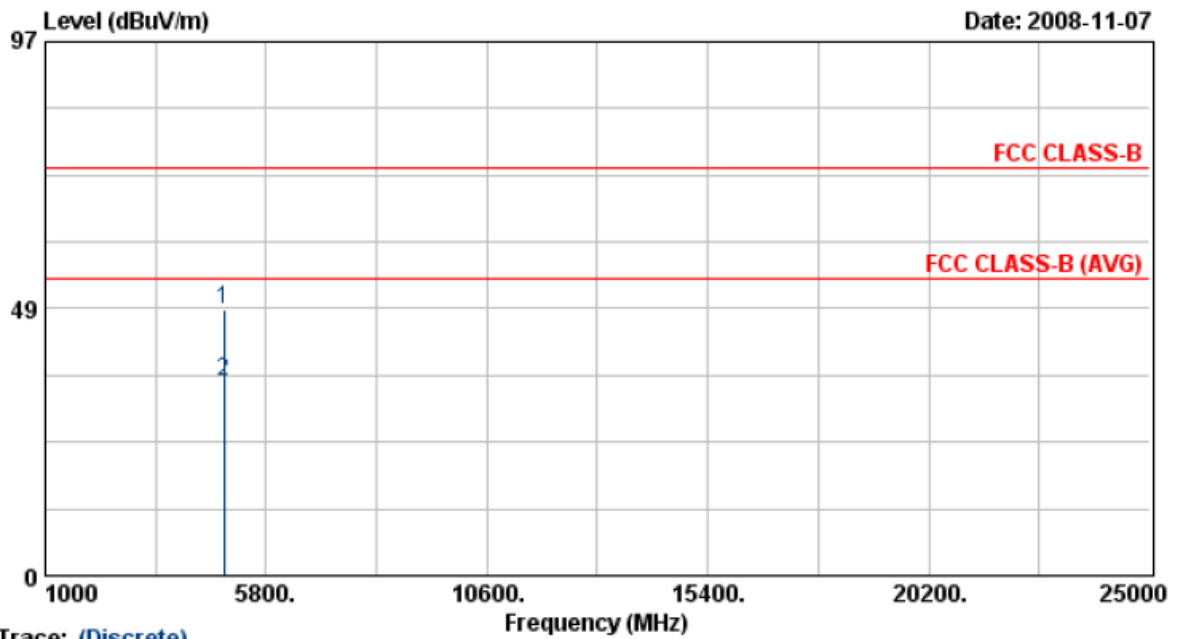
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4870.60	29.56	5.67	35.22	54.00	-18.78	Average	116	240
2	4878.05	42.63	5.69	48.32	74.00	-25.68	Peak	116	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 8	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 6	Humidity	: 65 %
Modulation Type	: 802.11n HT40	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 300 Mbps



Trace: (Discrete)

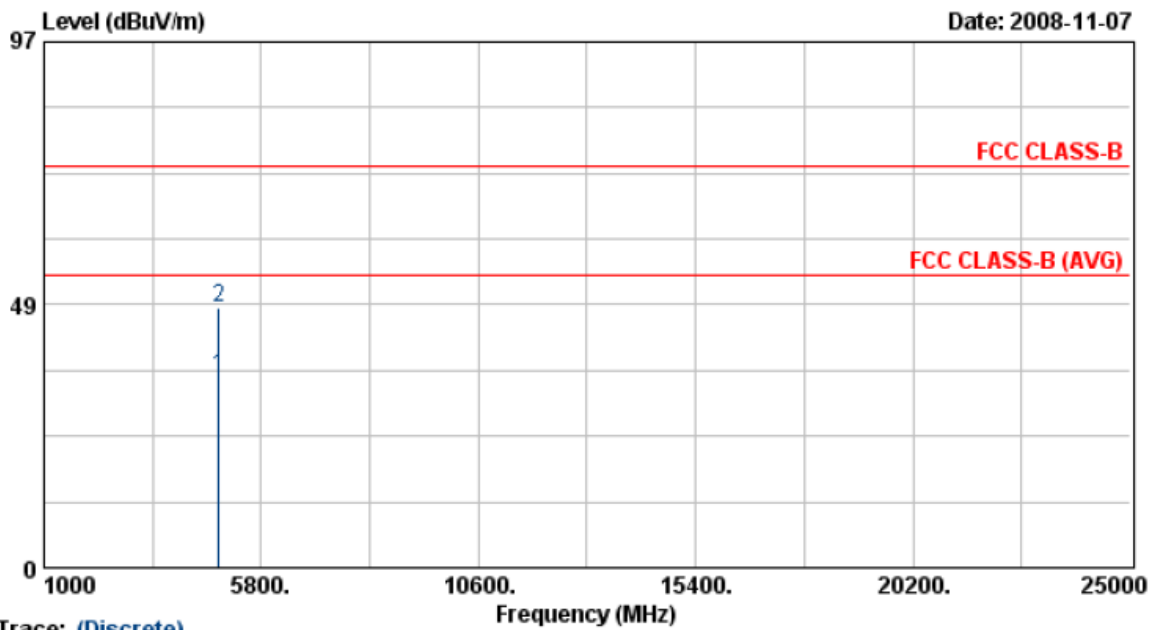
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4877.13	42.70	5.69	48.38	74.00	-25.62	Peak	116	240
2	4877.13	29.41	5.69	35.10	54.00	-18.90	Average	116	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 8	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 9	Humidity	: 65 %
Modulation Type	: 802.11n HT40	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 300 Mbps



Trace: (Discrete)

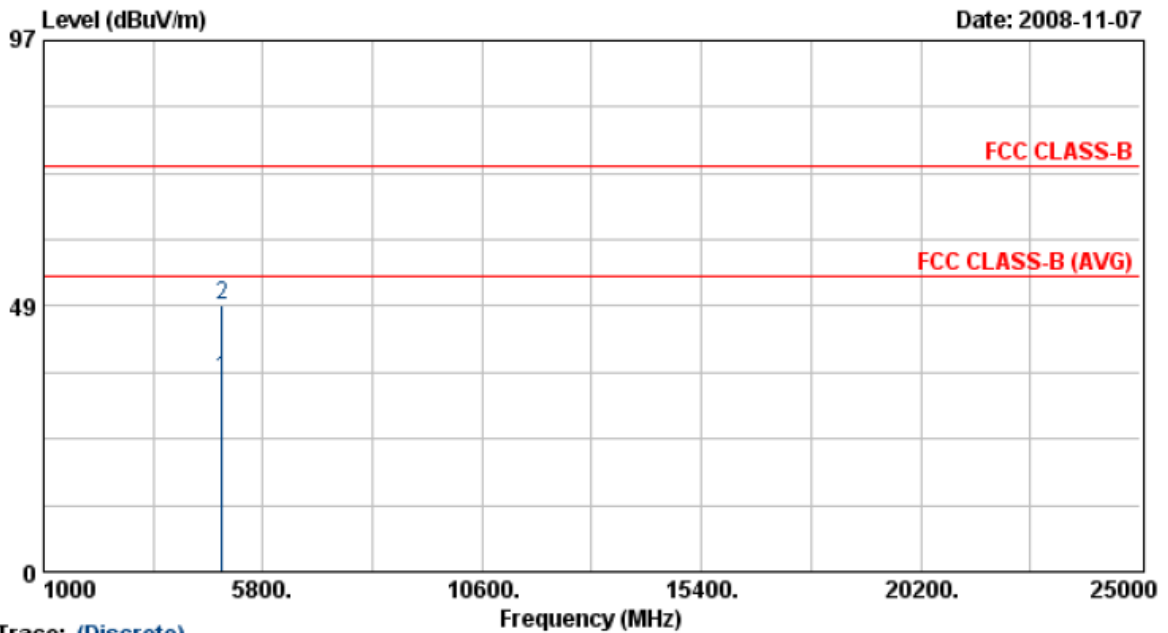
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4869.20	29.57	5.66	35.24	54.00	-18.76	Average	116	240
2	4871.23	42.22	5.67	47.89	74.00	-26.11	Peak	116	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 8	: Transmit / Receive	Temperature	: 26 °C
Operation Channel	: 9	Humidity	: 65 %
Modulation Type	: 802.11n HT40	Atmospheric Pressure	: 1007 hPa
Memo	: Adapter: Sunny \ SYS1381-1212-W2	Rate	: 300 Mbps



Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4900.20	29.47	5.75	35.22	54.00	-18.78	Average	116	240
2	4906.23	42.92	5.77	48.69	74.00	-25.31	Peak	116	240

Notes:

1. Result = Read Value + Factor
2. 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 low to be measured.

Test engineer: Ben



6. 6dB Bandwidth Measurement Data

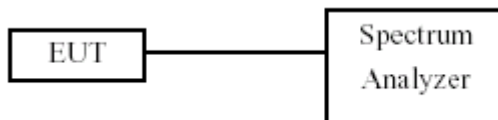
6.1 Test Limit

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

6.2 Test Procedures

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

6.3 Test Setup Layout



6.4 Measurement equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	FSP40	R&S	10047	2008/02/22	2009/02/21

6.5 Test Result and Data

Test Date: Nov. 05, 2008

Temperature: 20

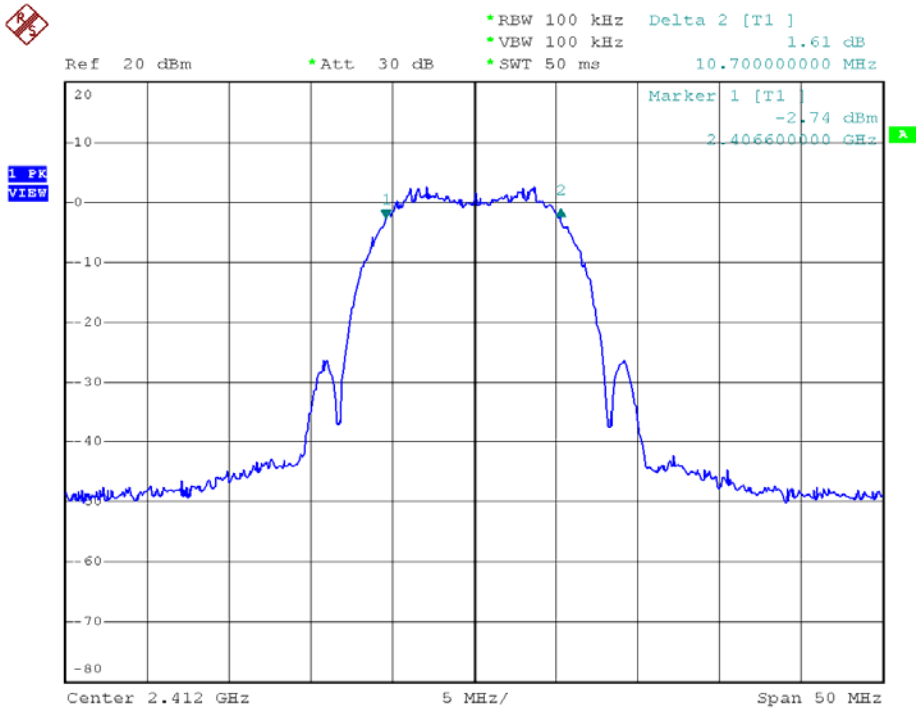
Atmospheric pressure: 1008 hPa

Humidity: 60%

Modulation Standard	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	
			TX0	TX1
802.11b (11Mbps)	01	2412	10.70	10.70
	06	2437	10.70	11.40
	11	2462	11.50	11.40
802.11g (54Mbps)	01	2412	16.60	16.40
	06	2437	16.40	16.60
	11	2462	16.50	16.50
802.11n HT20 (130Mbps)	01	2412	17.60	17.60
	06	2437	17.60	17.60
	11	2462	17.60	17.60
802.11n HT40 (300Mbps)	03	2422	35.40	36.40
	06	2437	35.00	35.00
	09	2452	36.40	36.40

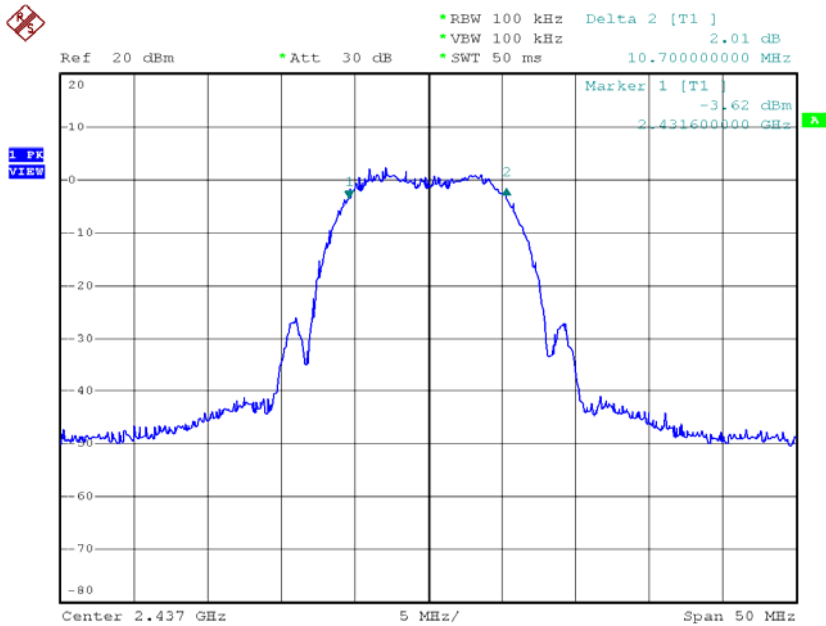


Modulation Standard: 802.11b (11Mbps), TX0
Channel: 01



Date: 4.NOV.2008 11:17:03

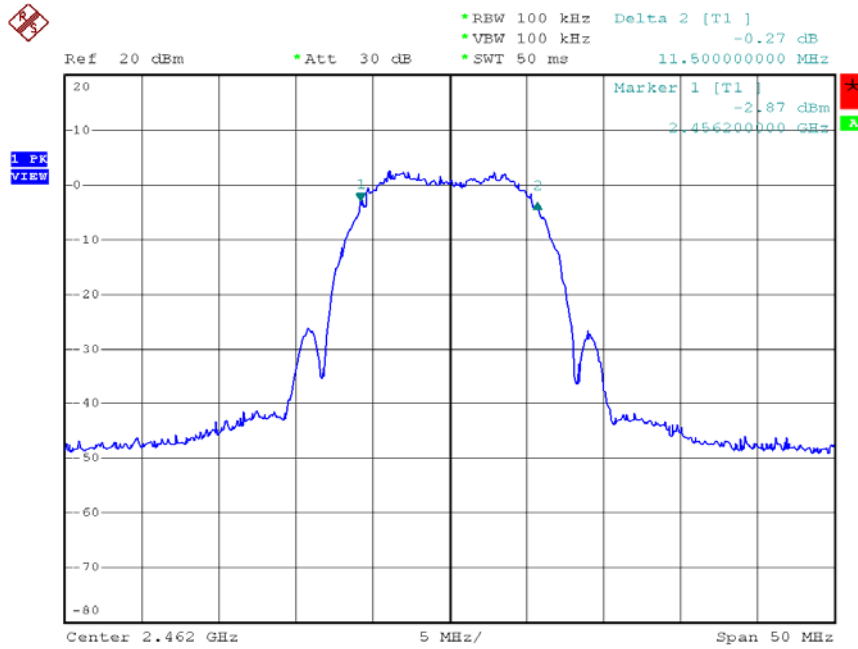
Model No.: IP1006GA, Modulation Standard: 802.11b (11Mbps), TX0
Channel: 06



Date: 4.NOV.2008 11:21:14

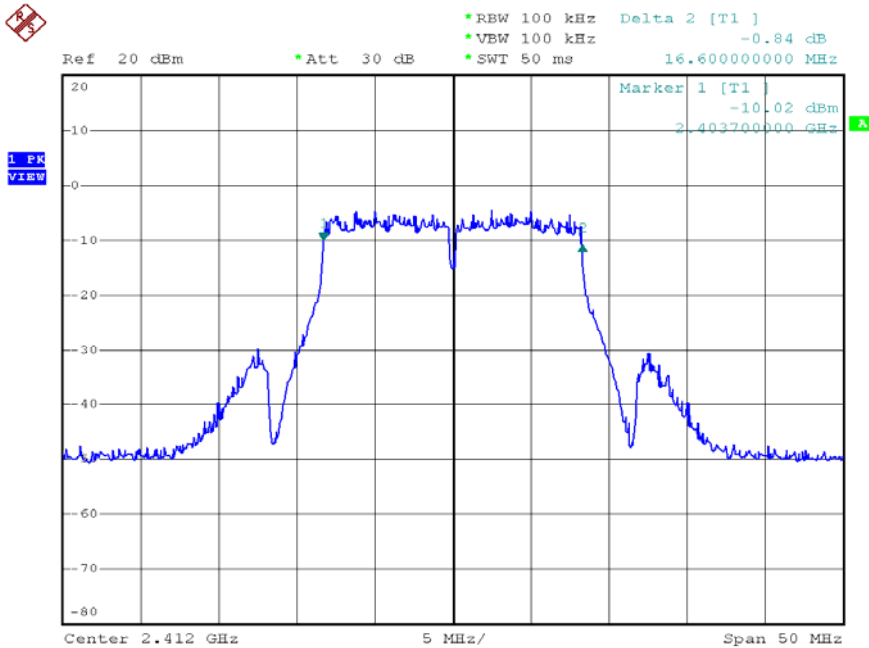


Modulation Standard: 802.11b (11Mbps), TX0
Channel: 11



Date: 4.NOV.2008 11:31:46

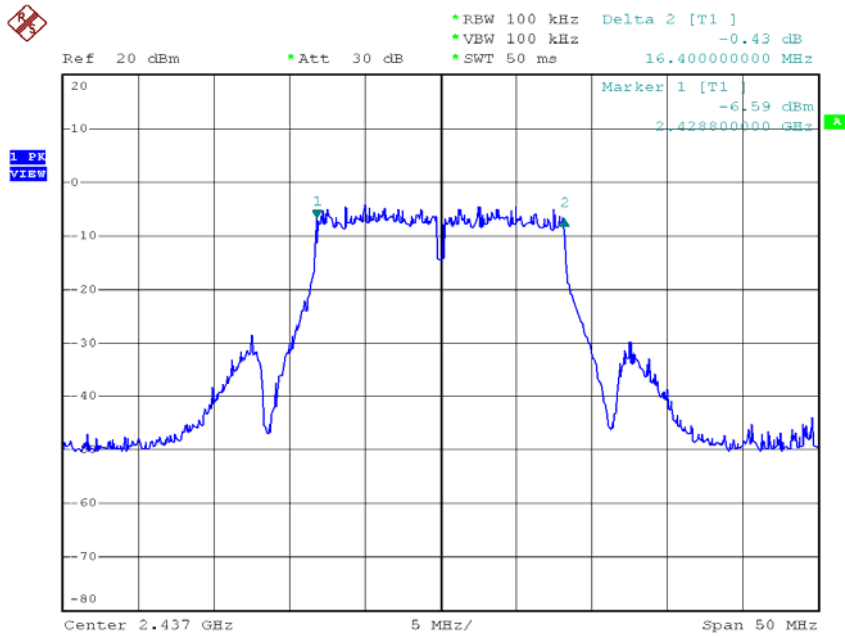
Model No.: IP1006GA, Modulation Standard: 802.11g (54Mbps), TX0
Channel: 01



Date: 4.NOV.2008 11:08:10

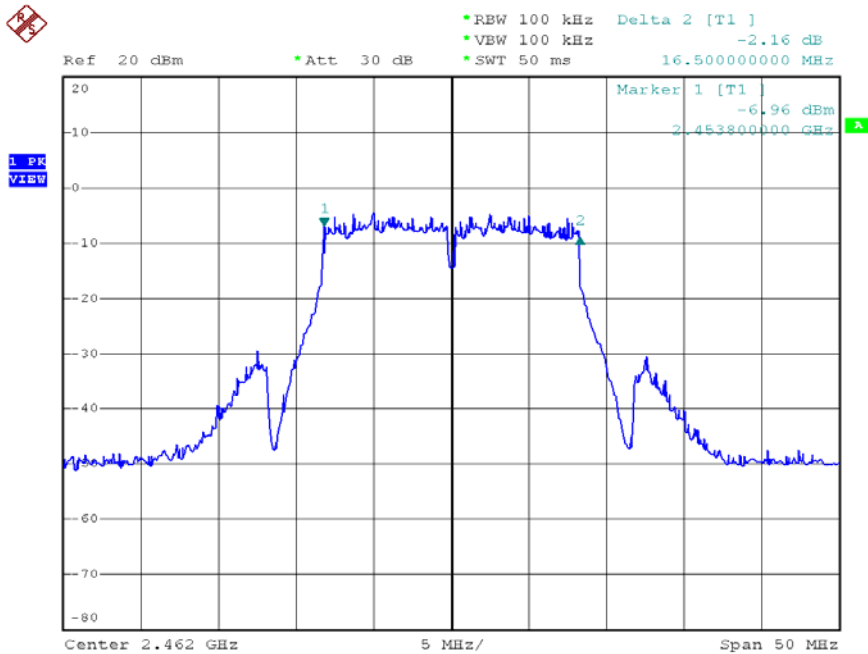


Modulation Standard: 802.11g (54Mbps), TX0
Channel: 06



Date: 4.NOV.2008 11:11:40

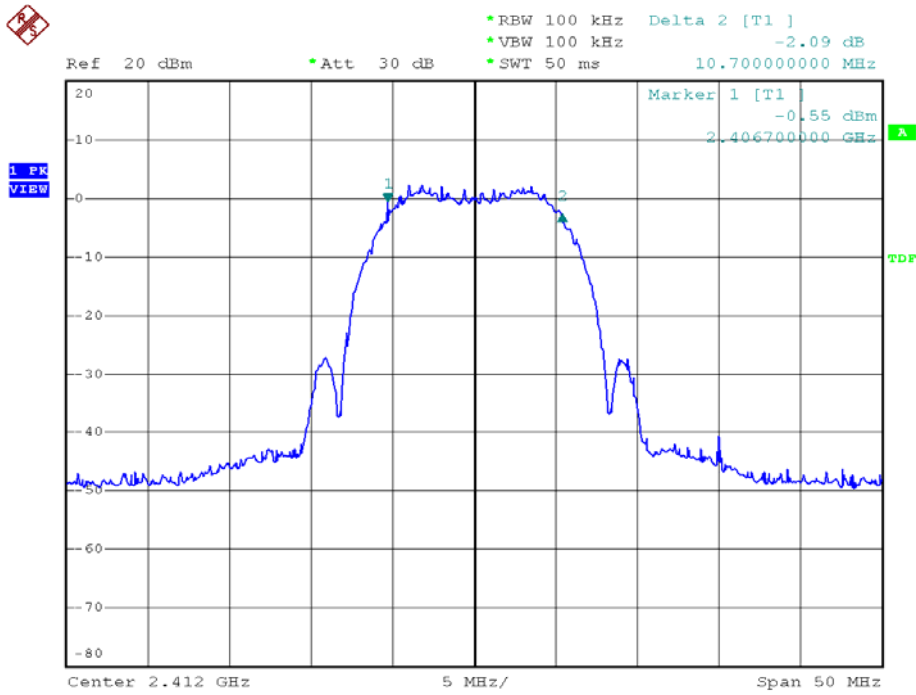
Modulation Standard: 802.11g (54Mbps), TX0
Channel: 11



Date: 4.NOV.2008 11:13:47

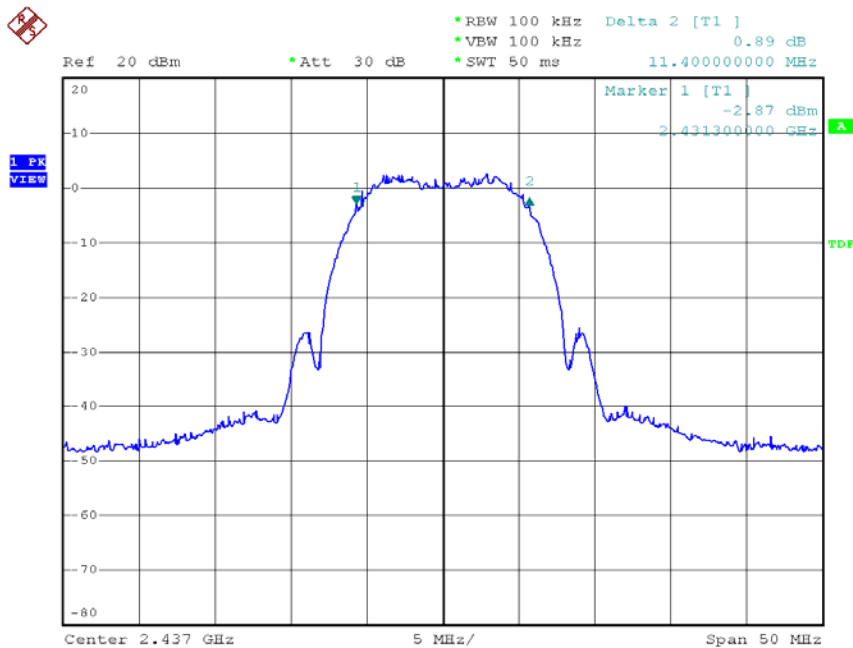


Modulation Standard: 802.11b (11Mbps), TX1
Channel: 01



Date: 4.NOV.2008 17:11:50

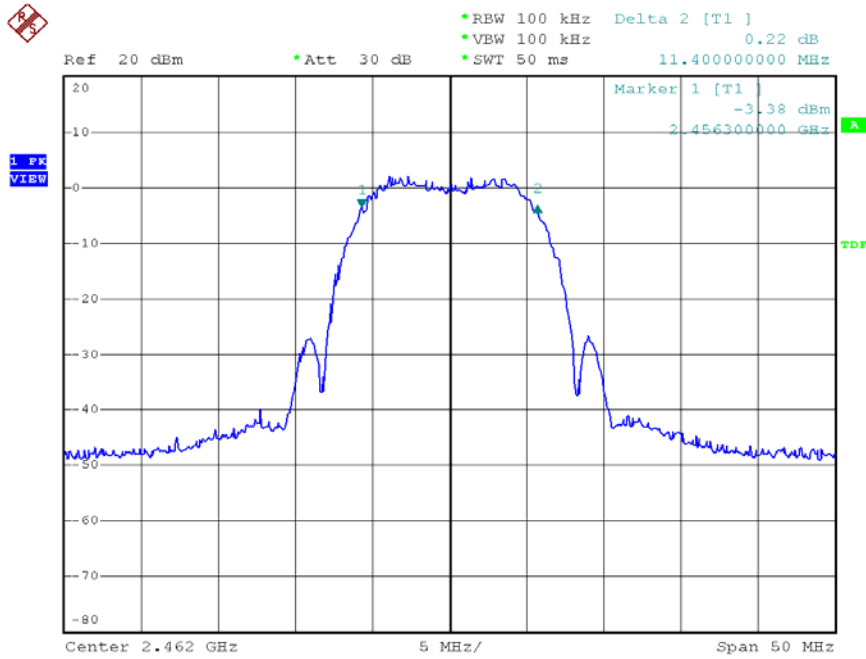
Modulation Standard: 802.11b (11Mbps), TX1
Channel: 06



Date: 4.NOV.2008 17:21:01

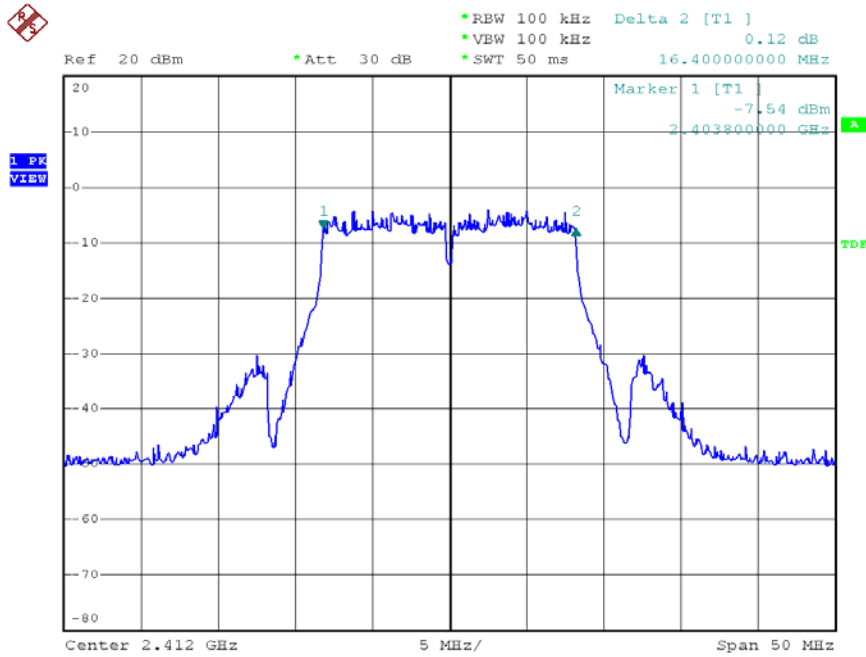


Modulation Standard: 802.11b (11Mbps), TX1
Channel: 11



Date: 4.NOV.2008 17:27:55

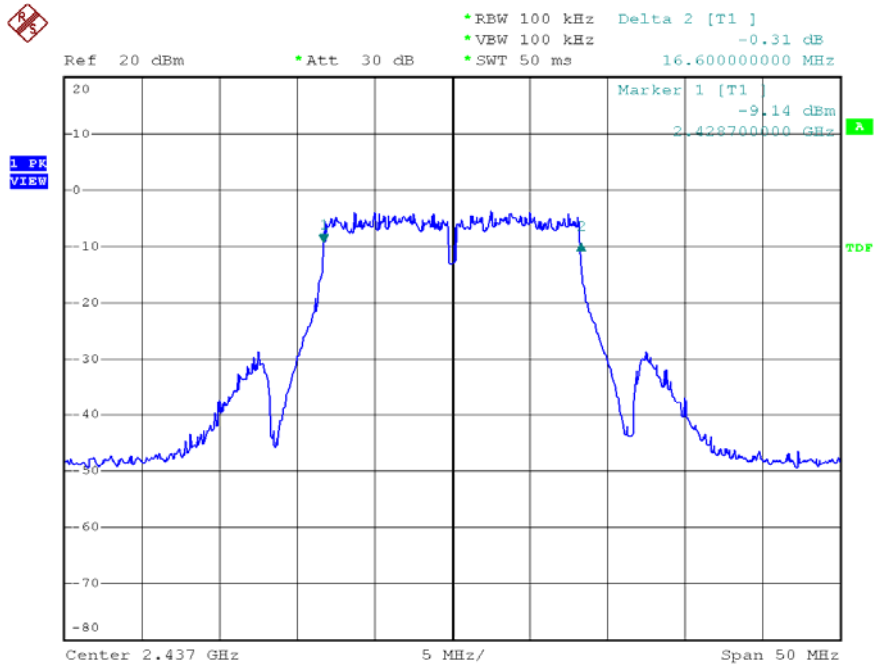
Modulation Standard: 802.11g (54Mbps), TX1
Channel: 01



Date: 4.NOV.2008 16:56:23

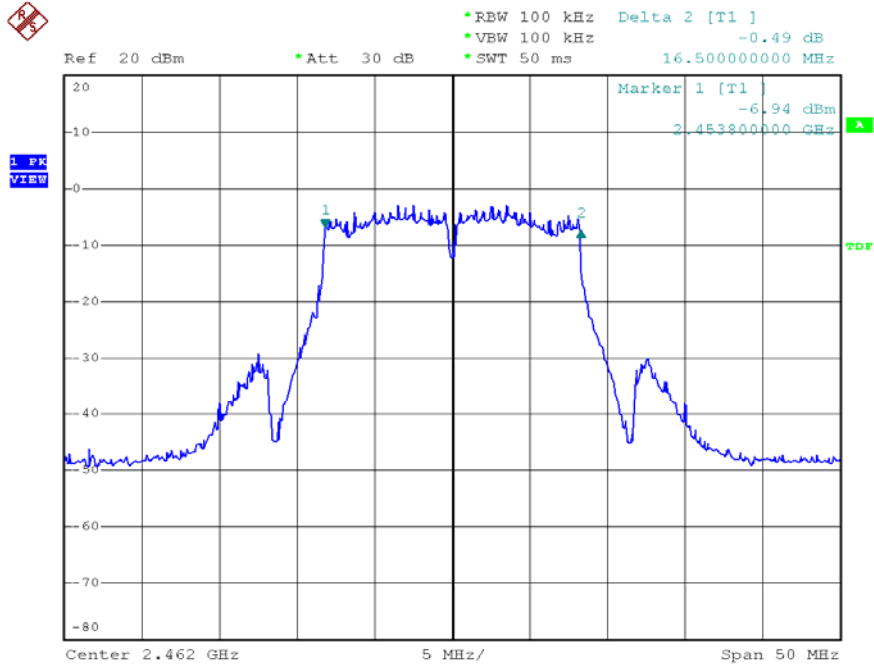


Modulation Standard: 802.11g (54Mbps), TX1
Channel: 06



Date: 4.NOV.2008 17:00:44

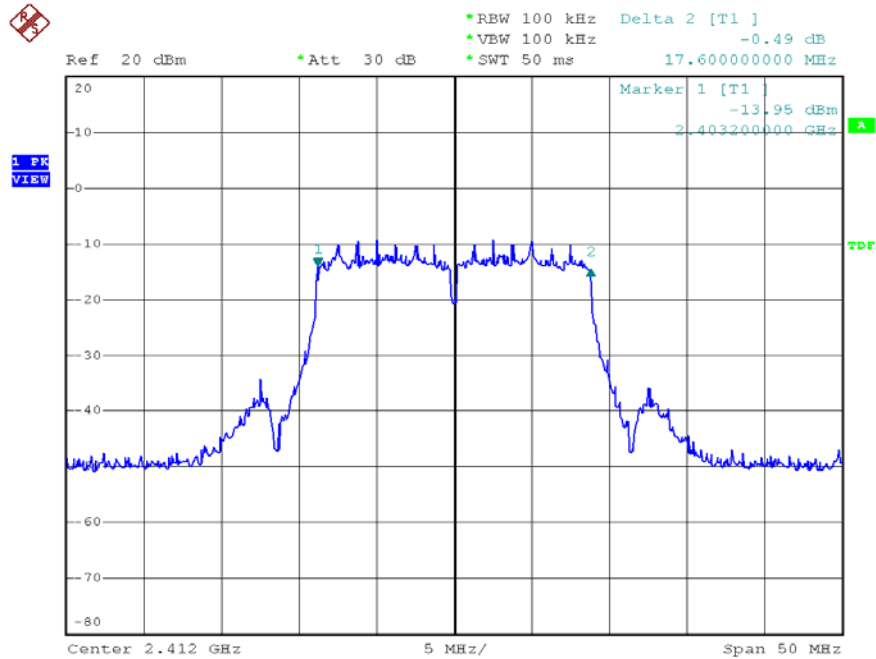
Modulation Standard: 802.11g (54Mbps), TX1
Channel: 11



Date: 4.NOV.2008 17:06:03

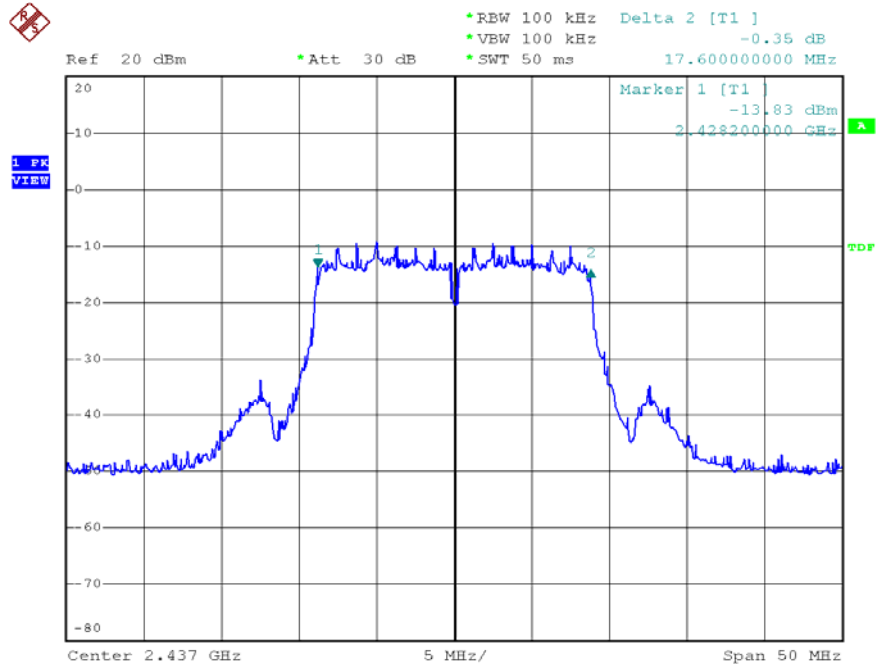


Modulation Standard: 802.11n HT20 (130Mbps), TX0
Channel: 01



Date: 5.NOV.2008 14:31:11

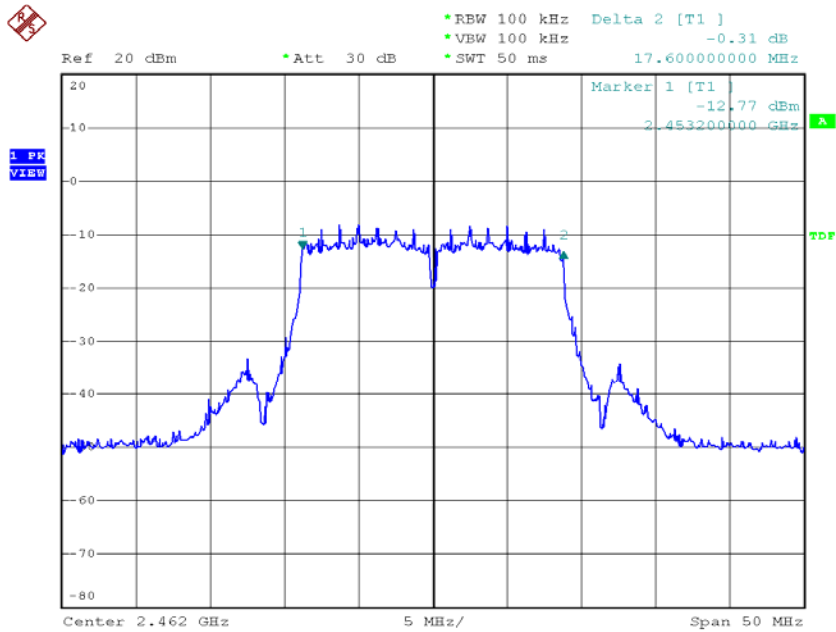
Modulation Standard: 802.11n HT20 (130Mbps), TX0
Channel: 06



Date: 5.NOV.2008 14:32:18

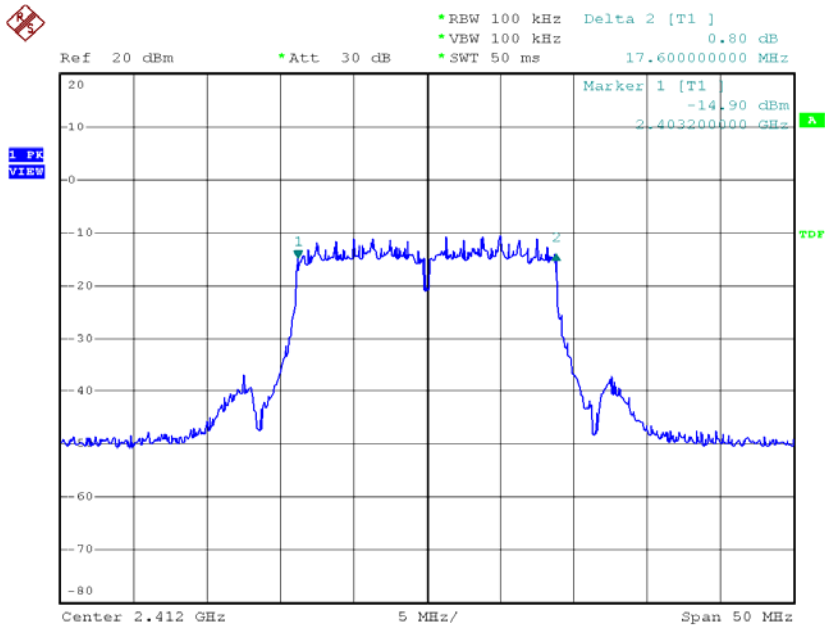


Modulation Standard: 802.11n HT20 (130Mbps), TX0
Channel: 11



Date: 5.NOV.2008 14:33:25

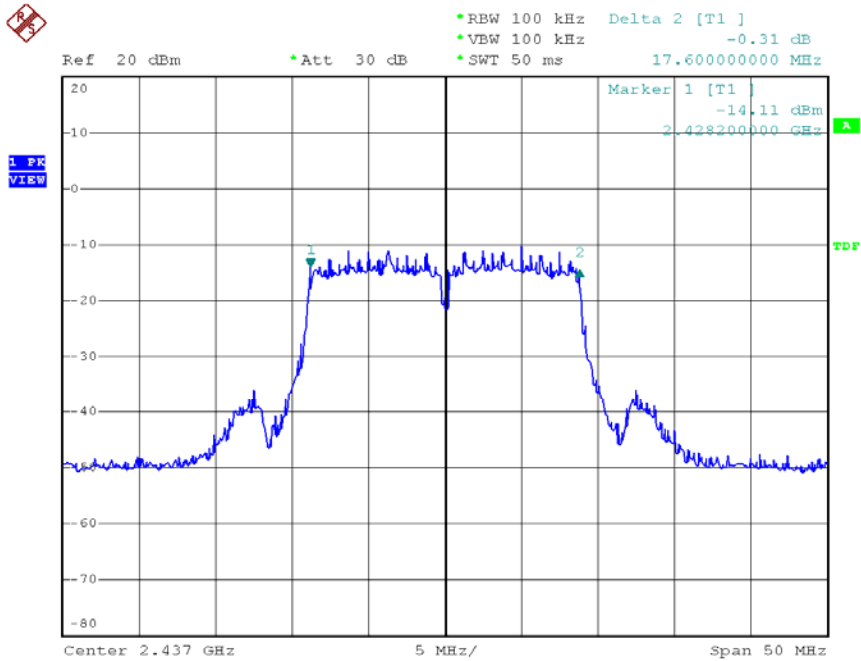
Modulation Standard: 802.11n HT20 (130Mbps), TX1
Channel: 01



Date: 5.NOV.2008 14:29:44

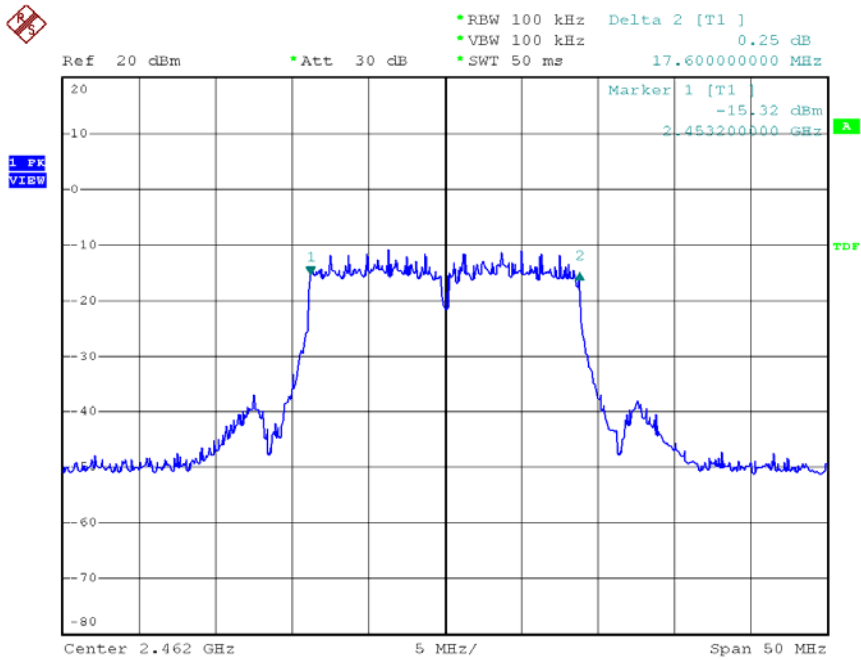


Modulation Standard: 802.11n HT20 (130Mbps), TX1
Channel: 06



Date: 5.NOV.2008 14:36:22

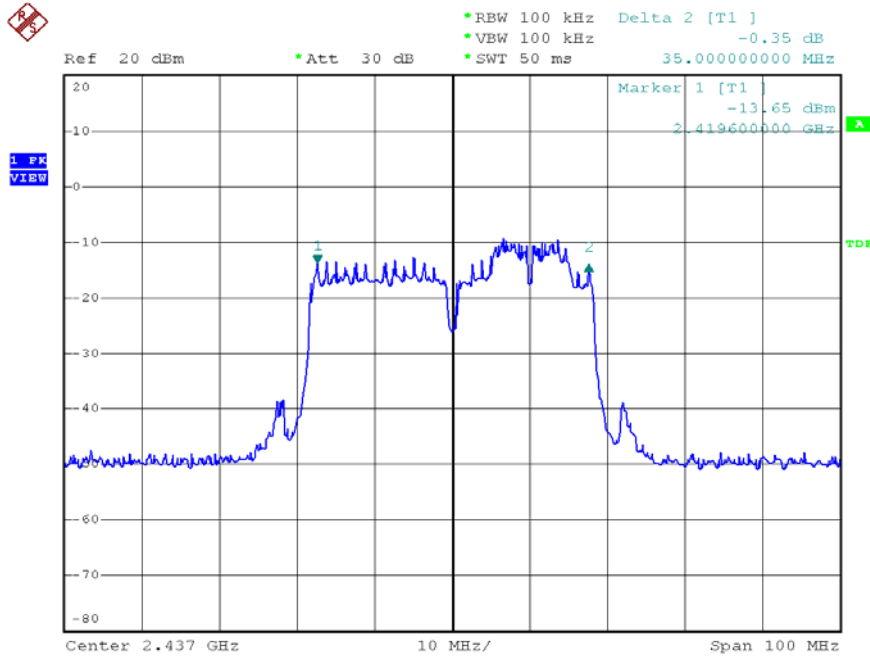
Modulation Standard: 802.11n HT20 (130Mbps), TX1
Channel: 11



Date: 5.NOV.2008 14:35:07

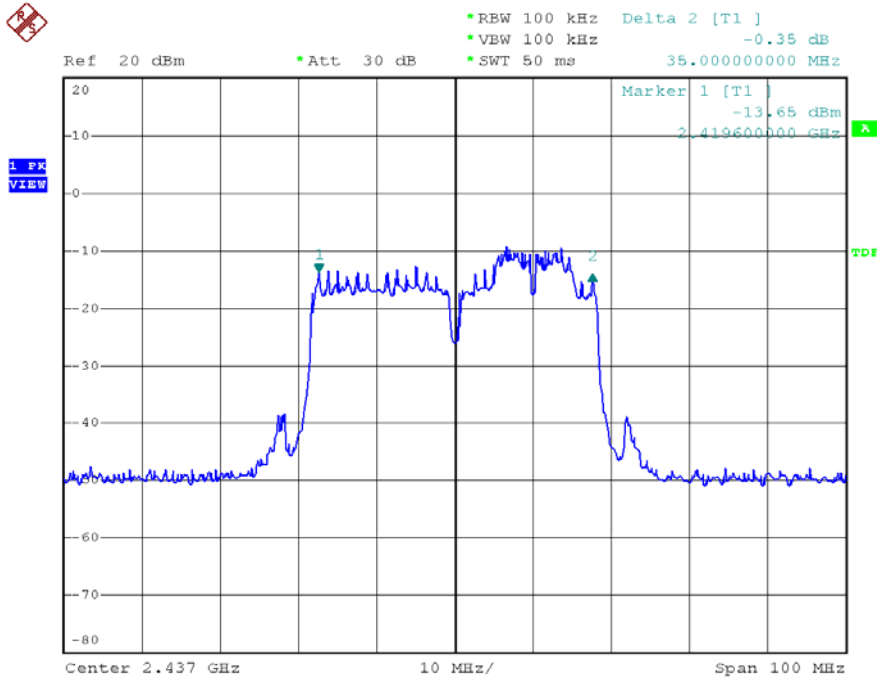


Modulation Standard: 802.11n HT40 (300Mbps), TX0
Channel: 03



Date: 5.NOV.2008 14:53:30

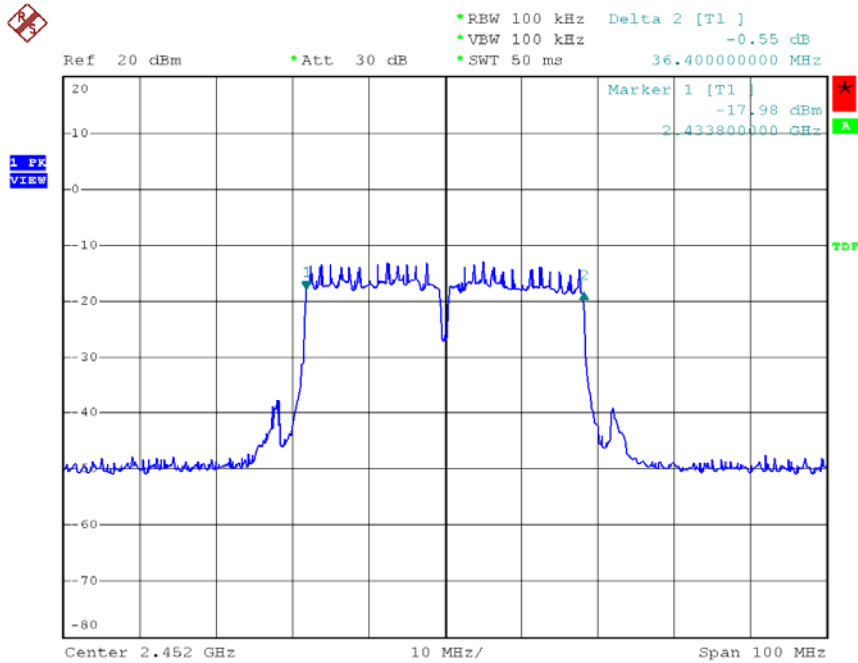
Modulation Standard: 802.11n HT40 (300Mbps), TX0
Channel: 06



Date: 5.NOV.2008 14:53:30

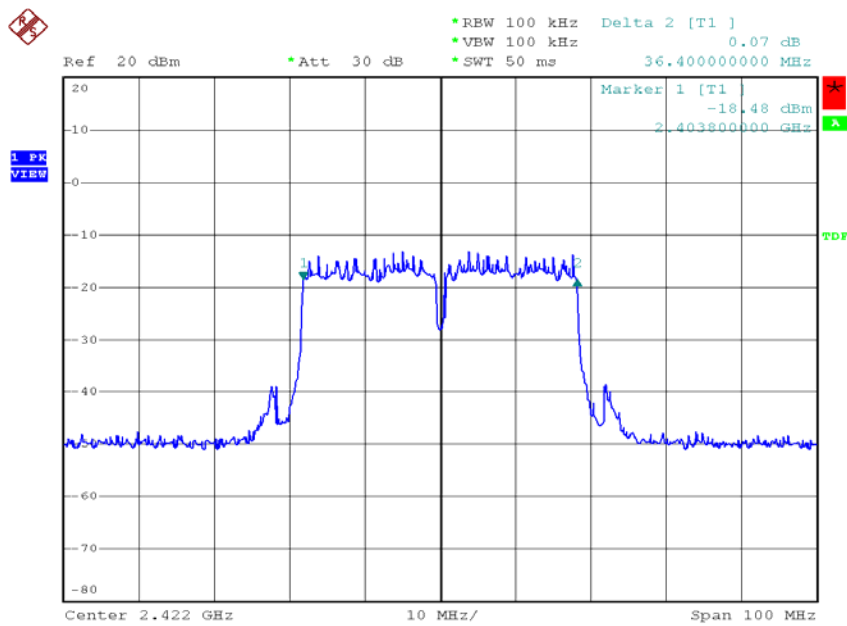


Modulation Standard: 802.11n HT40 (300Mbps), TX0
Channel: 09



Date: 5.NOV.2008 14:54:32

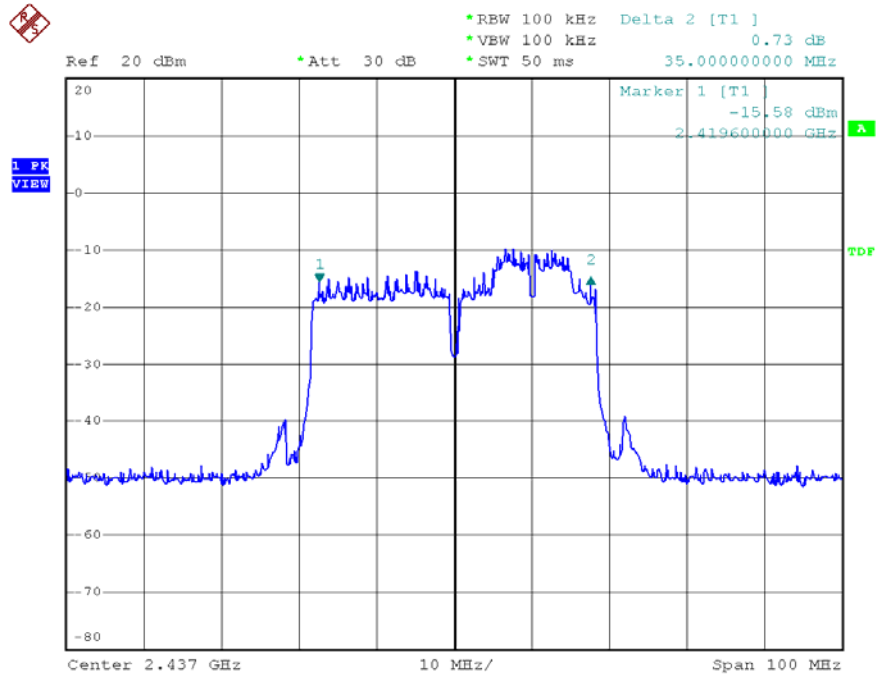
Modulation Standard: 802.11n HT40 (300Mbps), TX1
Channel: 03



Date: 5.NOV.2008 14:58:29

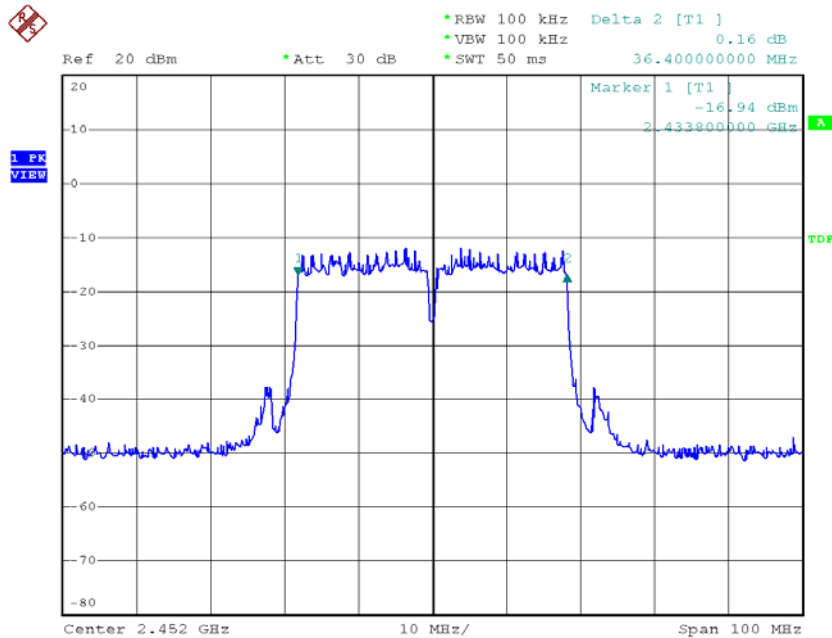


Modulation Standard: 802.11n HT40 (300Mbps), TX1
Channel: 06



Date: 5.NOV.2008 14:57:14

Modulation Standard: 802.11n HT40 (300Mbps), TX1
Channel: 09



Date: 5.NOV.2008 14:56:05



7. Maximum Peak Output Power

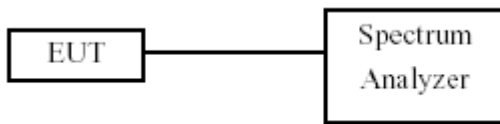
7.1 Test Limit

The Maximum Peak Output Power Measurement is 30dBm.

7.2 Test Procedures

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.

7.3 Test Setup Layout



7.4 Measurement equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	FSP40	R&S	10047	2008/02/22	2009/02/21

7.5 Test Result and Data

Test Date: Nov. 05, 2008

Temperature: 20

Atmospheric pressure: 1008 hPa

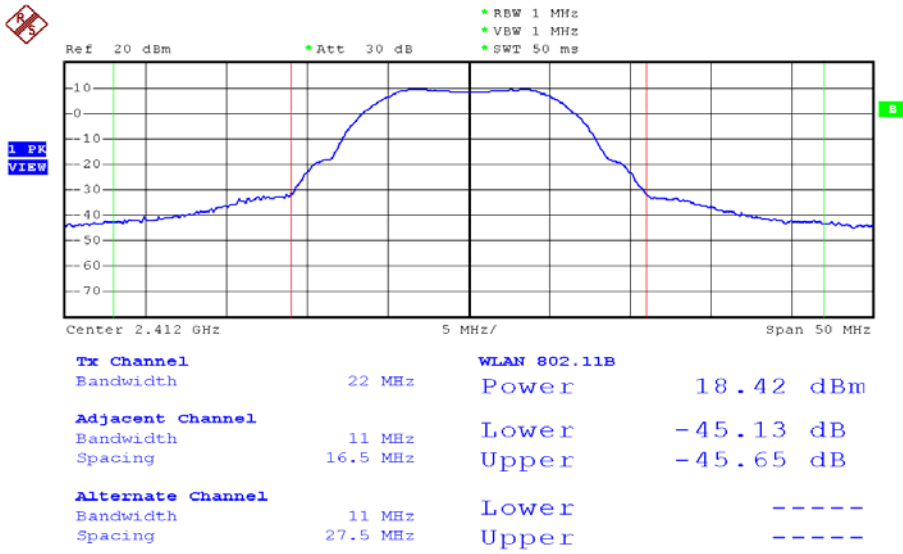
Humidity: 60%

Modulation Standard	Channel	Frequency (MHz)	Peak Power Output (dBm)		Peak Power Output (mW)	
			TX0	TX1	TX0	TX1
802.11b (11Mbps)	01	2412	18.42	18.38	69.5	68.9
	06	2437	18.55	18.25	71.6	66.8
	11	2462	18.50	18.28	70.8	67.3
802.11g (54Mbps)	01	2412	16.45	16.71	44.2	46.9
	06	2437	16.49	16.74	44.6	47.2
	11	2462	16.44	16.84	44.1	48.3

Modulation Standard	Channel	Frequency (MHz)	Peak Power Output (dBm)			Peak Power Output (mW)
			TX0	TX1	ALL	ALL
802.11n HT20 (130Mbps)	01	2412	10.99	10.61	13.81	24.07
	06	2437	11.35	10.83	14.11	25.75
	11	2462	11.79	10.26	14.10	25.72
802.11n HT40 (300Mbps)	03	2422	10.73	11.24	14.00	25.13
	06	2437	10.86	11.41	14.15	26.03
	09	2452	10.46	12.04	14.33	27.11

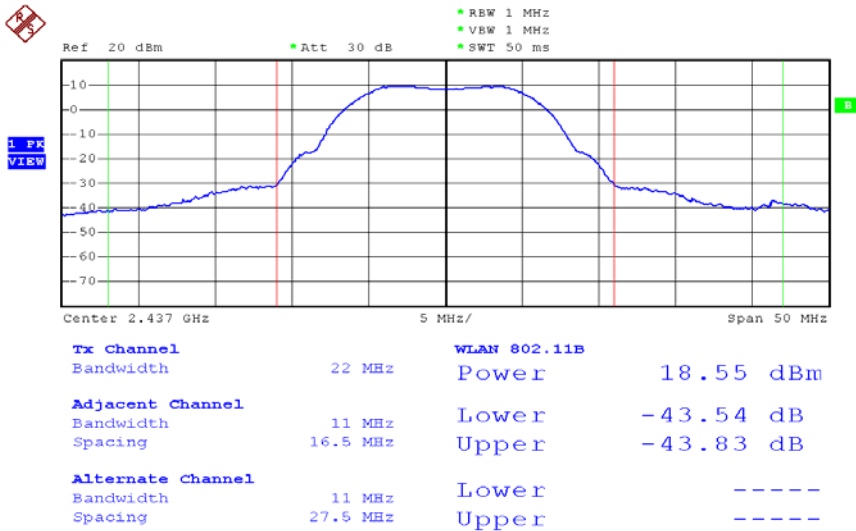


Modulation Standard: 802.11b (11Mbps), TX0
Channel: 01



Date: 4.NOV.2008 10:22:47

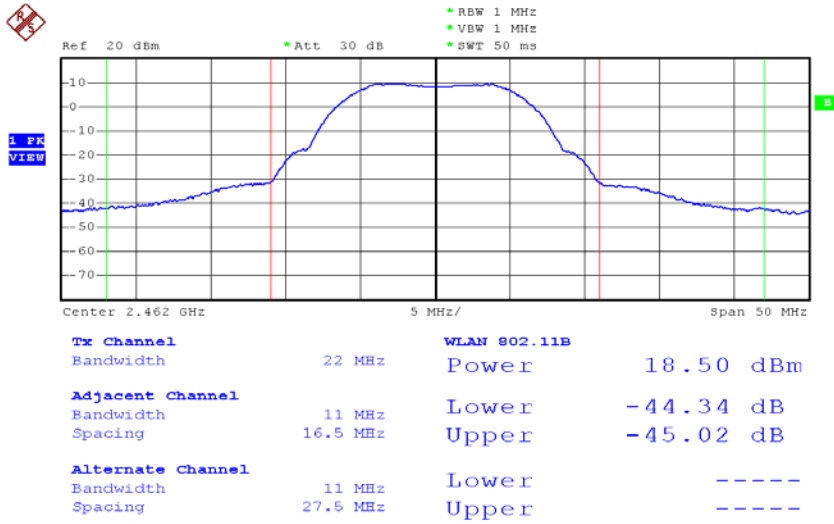
Modulation Standard: 802.11b (11Mbps), TX0
Channel: 06



Date: 4.NOV.2008 10:25:05

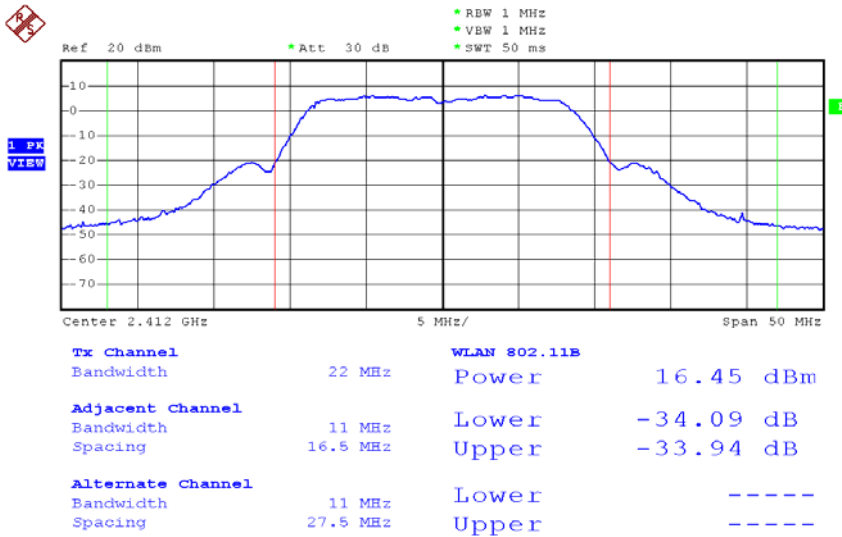


Modulation Standard: 802.11b (11Mbps), TX0
Channel: 11



Date: 4.NOV.2008 10:35:18

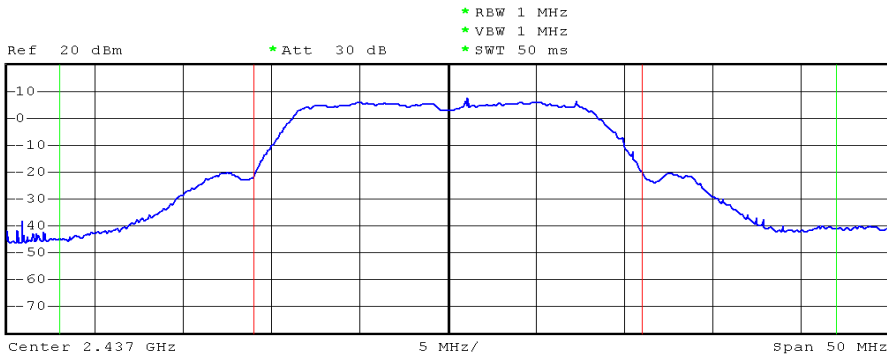
Modulation Standard: 802.11g (54Mbps), TX0
Channel: 01



Date: 4.NOV.2008 10:39:41



Modulation Standard: 802.11g (54Mbps), TX0
Channel: 06



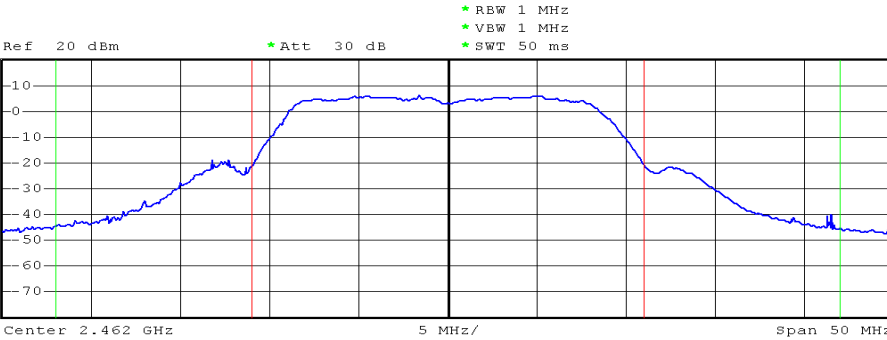
1 PK VIEW

B

Tx Channel		WLAN 802.11B	
Bandwidth	22 MHz	Power	16.49 dBm
Adjacent Channel		Lower	-33.28 dB
Bandwidth	11 MHz	Upper	-33.12 dB
Spacing	16.5 MHz		
Alternate Channel		Lower	-----
Bandwidth	11 MHz	Upper	-----
Spacing	27.5 MHz		

Date: 4.NOV.2008 10:54:59

Modulation Standard: 802.11g (54Mbps), TX0
Channel: 11



1 PK VIEW

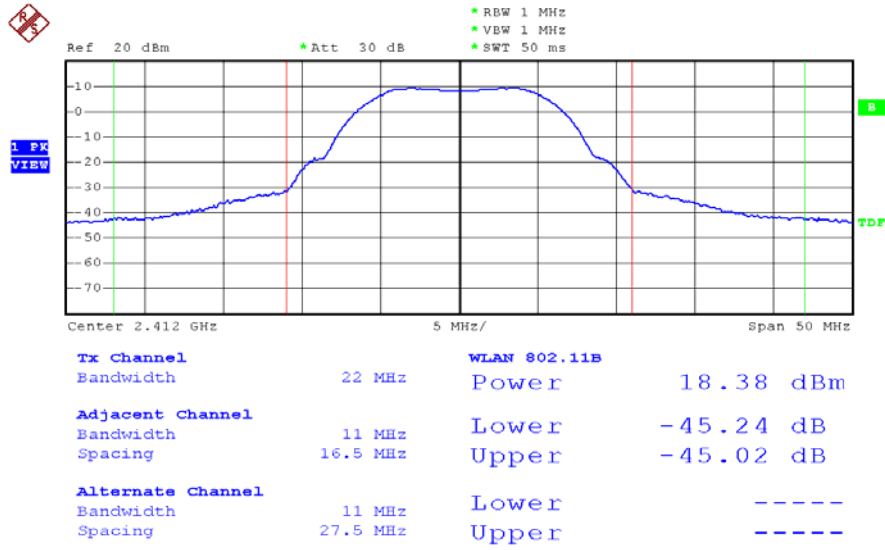
B

Tx Channel		WLAN 802.11B	
Bandwidth	22 MHz	Power	16.44 dBm
Adjacent Channel		Lower	-33.18 dB
Bandwidth	11 MHz	Upper	-34.35 dB
Spacing	16.5 MHz		
Alternate Channel		Lower	-----
Bandwidth	11 MHz	Upper	-----
Spacing	27.5 MHz		

Date: 4.NOV.2008 11:04:40

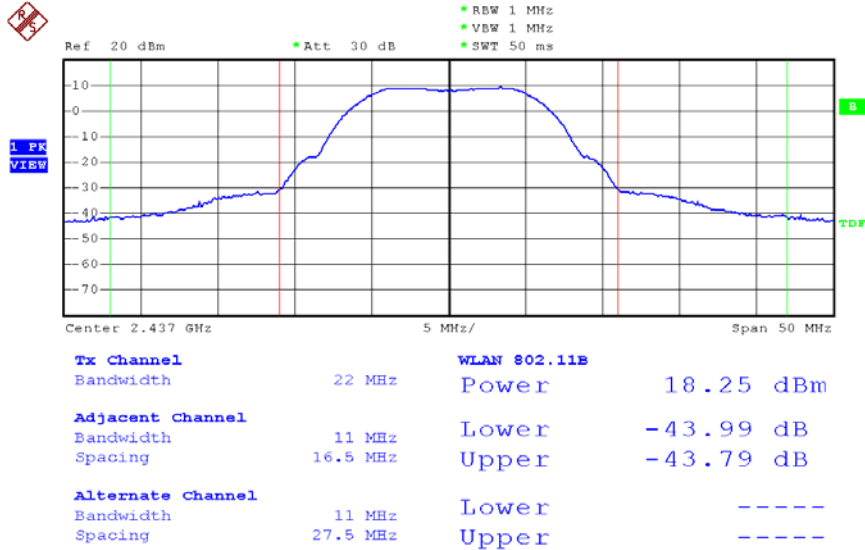


Modulation Standard: 802.11b (11Mbps), TX1
Channel: 01



Date: 4.NOV.2008 16:11:27

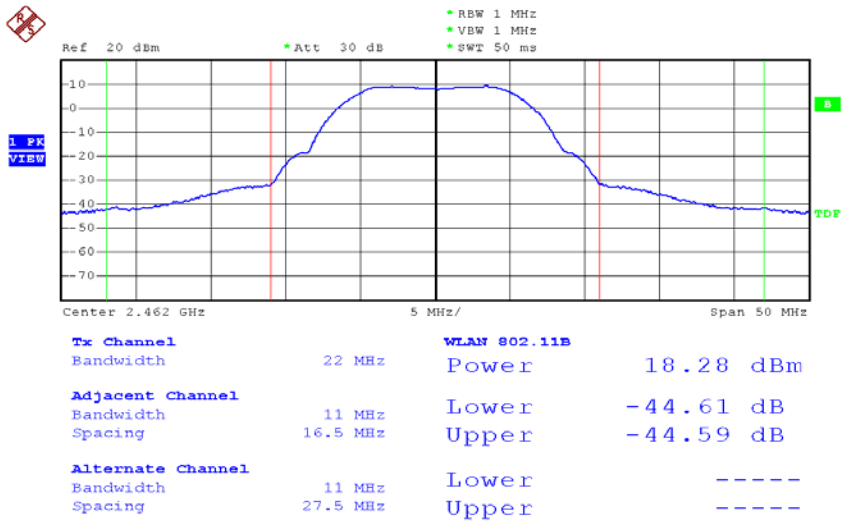
Modulation Standard: 802.11b (11Mbps), TX1
Channel: 06



Date: 4.NOV.2008 16:17:23

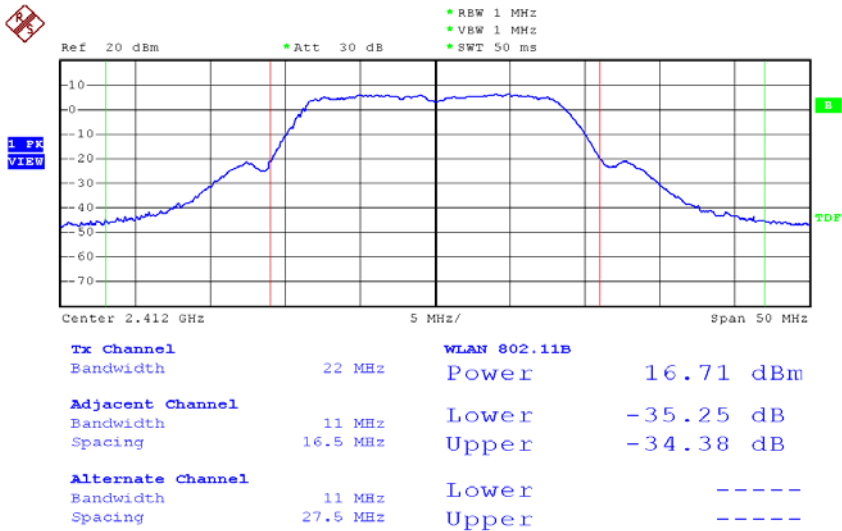


Modulation Standard: 802.11b (11Mbps), TX1
Channel: 11



Date: 4.NOV.2008 16:26:21

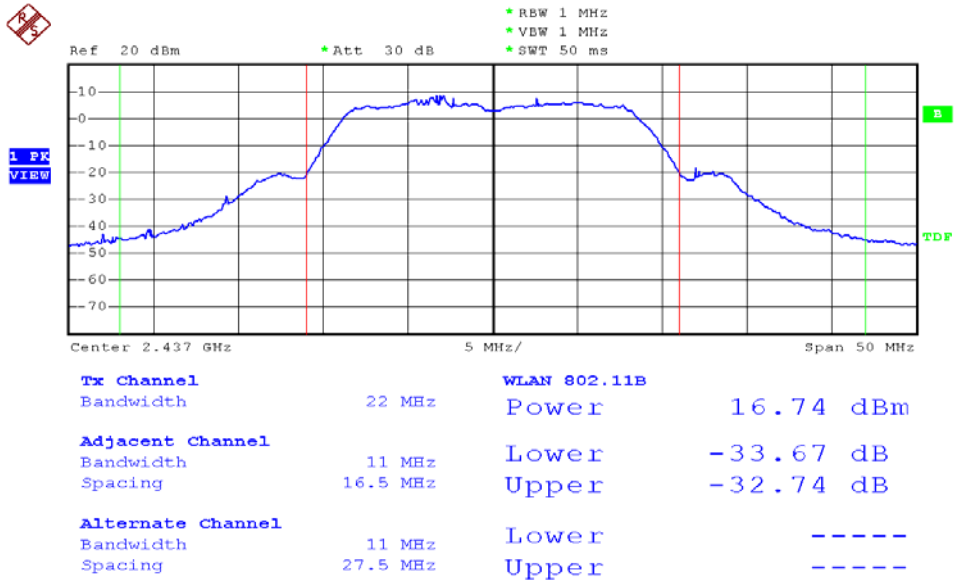
Modulation Standard: 802.11g (54Mbps), TX1
Channel: 01



Date: 4.NOV.2008 16:33:09

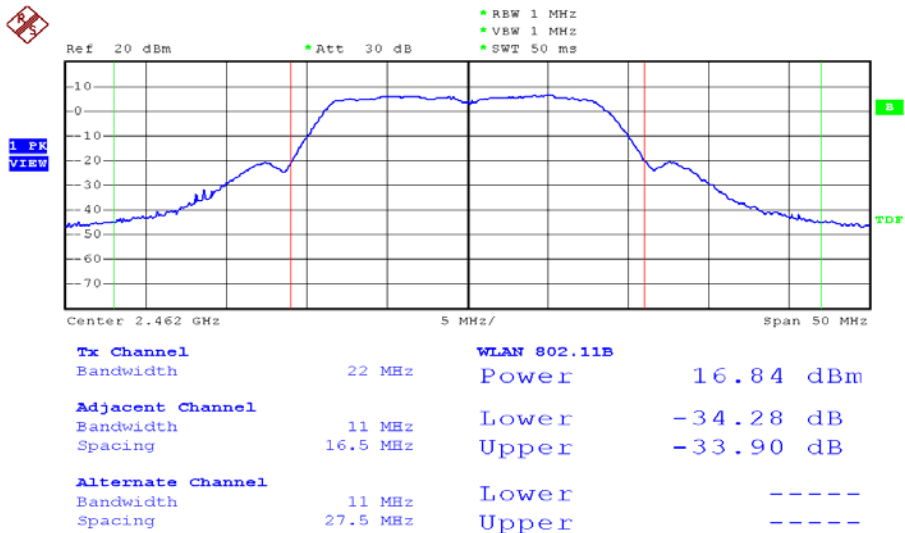


Modulation Standard: 802.11g (54Mbps), TX1
Channel: 06



Date: 4.NOV.2008 16:44:12

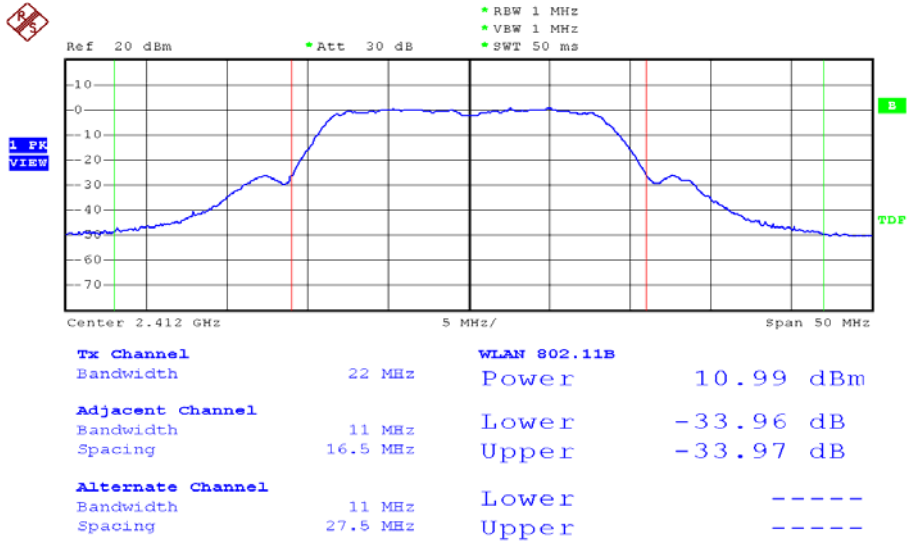
Modulation Standard: 802.11g (54Mbps), TX1
Channel: 11



Date: 4.NOV.2008 16:52:30

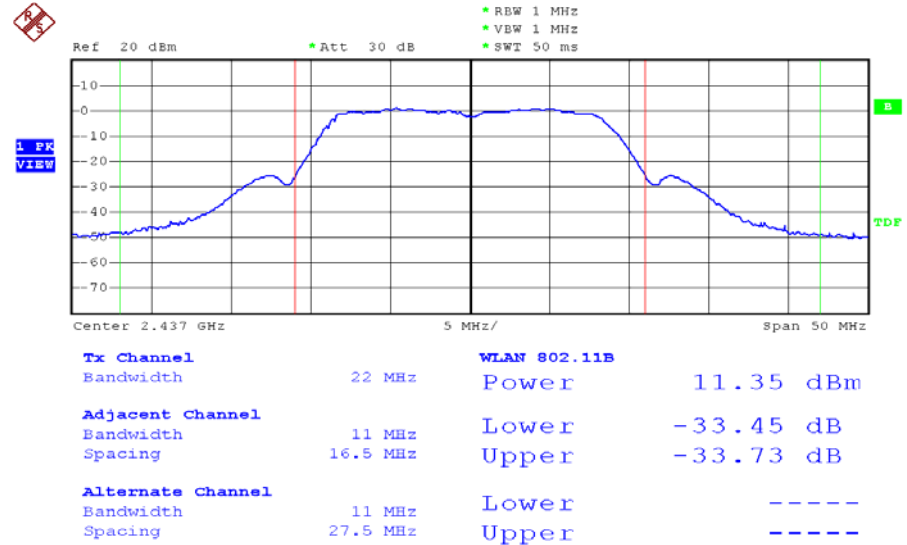


Modulation Standard: 802.11n HT20 (130Mbps), TX0
Channel: 01



Date: 5.NOV.2008 13:19:11

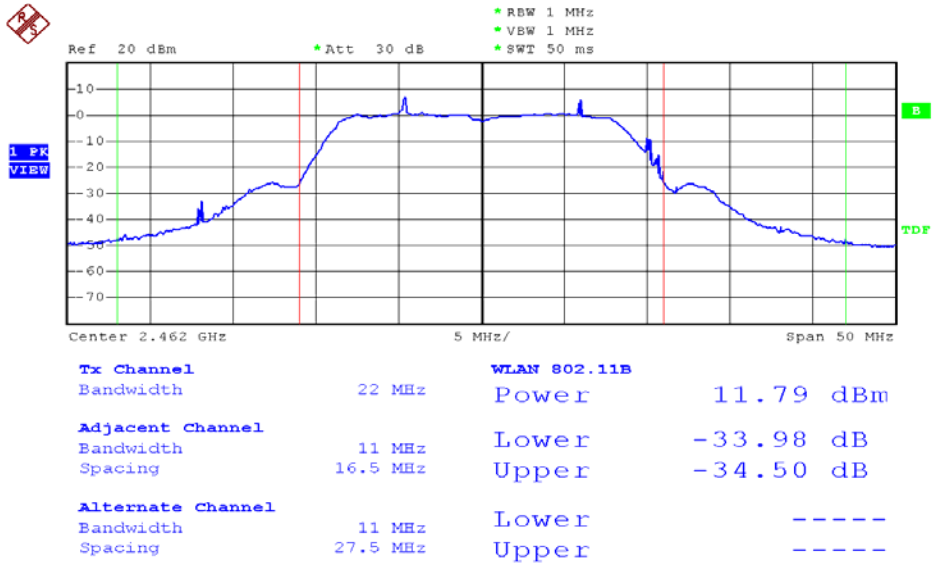
Modulation Standard: 802.11n HT20 (130Mbps), TX0
Channel: 06



Date: 5.NOV.2008 13:21:15

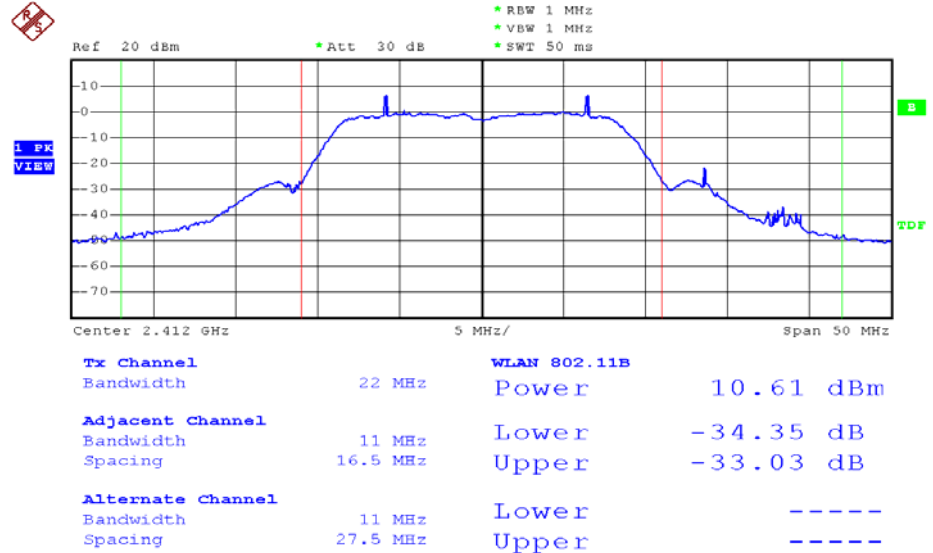


Modulation Standard: 802.11n HT20 (130Mbps), TX0
Channel: 11



Date: 5.NOV.2008 13:32:43

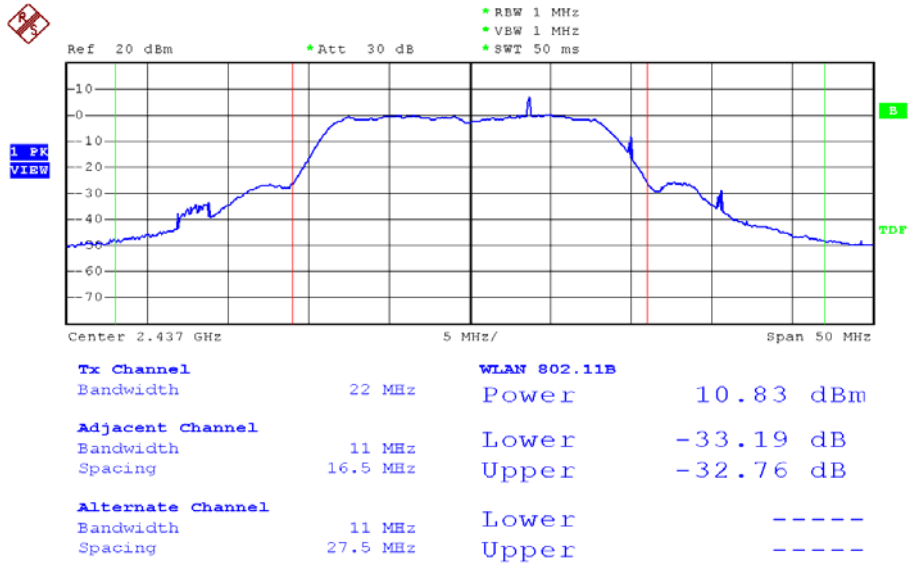
Modulation Standard: 802.11n HT20 (130Mbps), TX1
Channel: 01



Date: 5.NOV.2008 13:16:39

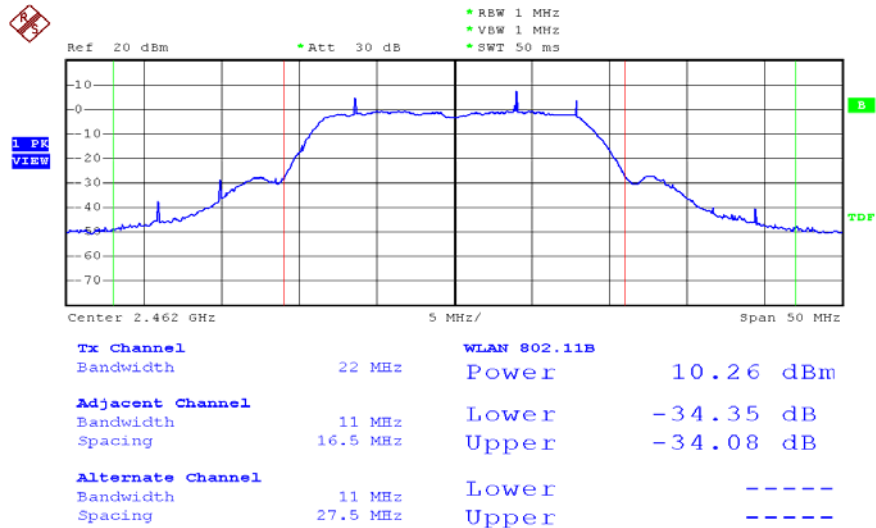


Modulation Standard: 802.11n HT20 (130Mbps), TX1
Channel: 06



Date: 5.NOV.2008 13:25:19

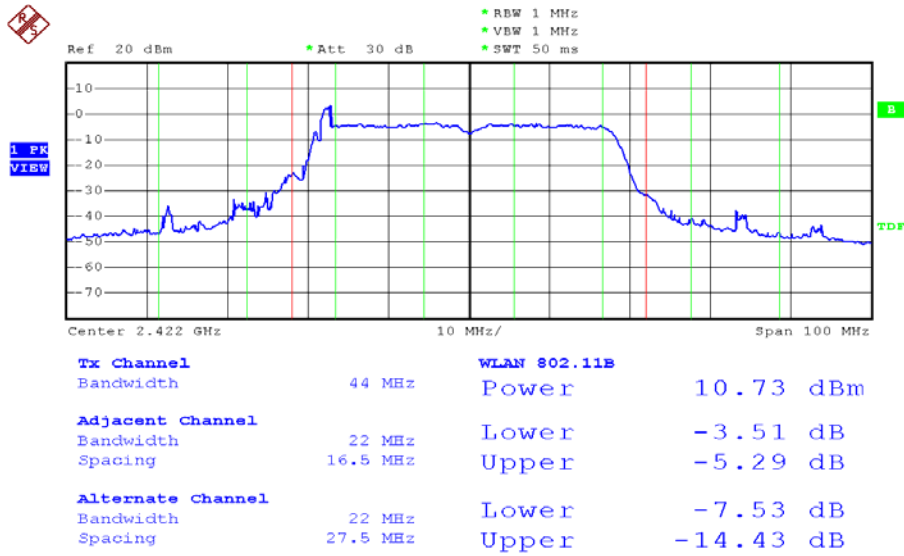
Modulation Standard: 802.11n HT20 (130Mbps), TX1
Channel: 11



Date: 5.NOV.2008 13:28:22

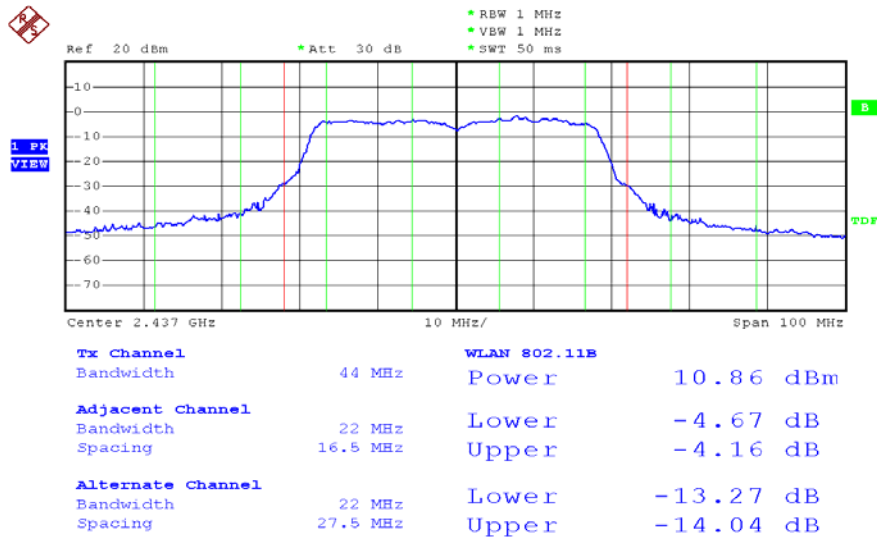


Modulation Standard: 802.11n HT40 (300Mbps), TX0
Channel: 03



Date: 5.NOV.2008 14:01:37

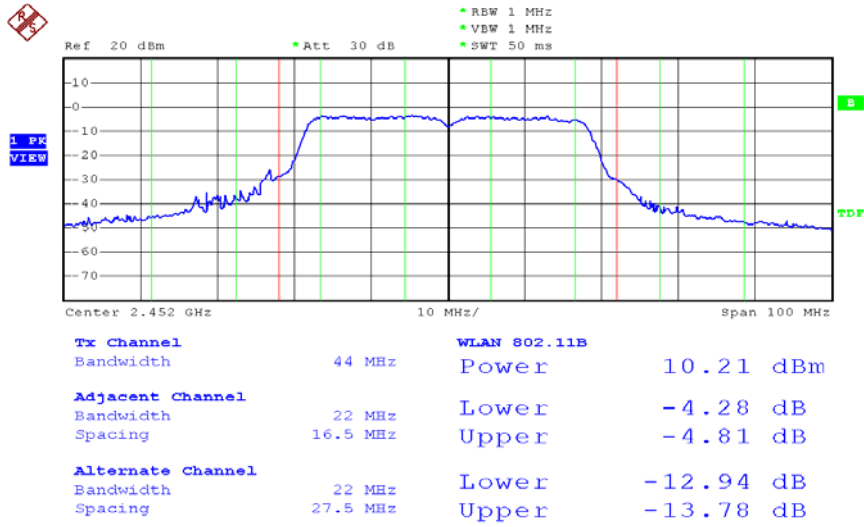
Modulation Standard: 802.11n HT40 (300Mbps), TX0
Channel: 06



Date: 5.NOV.2008 14:04:44

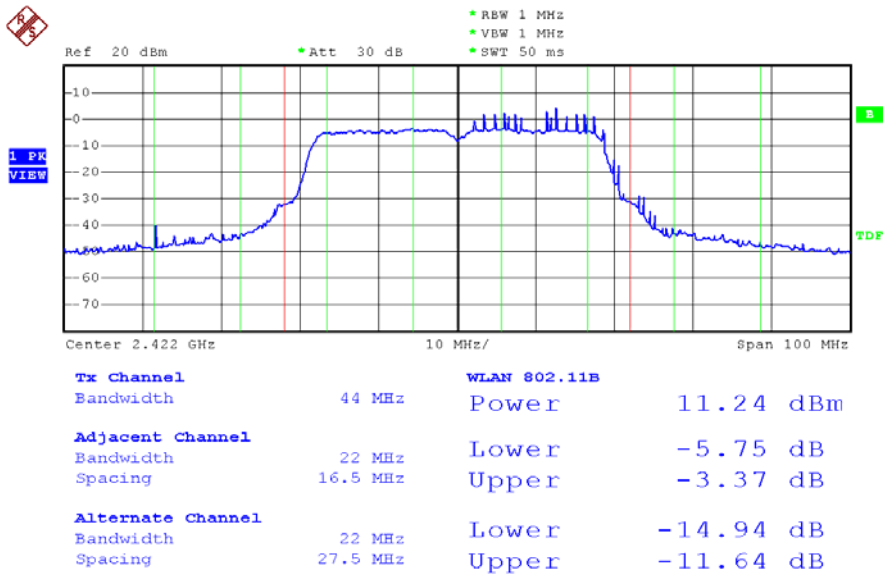


Modulation Standard: 802.11n HT40 (300Mbps), TX0
Channel: 09



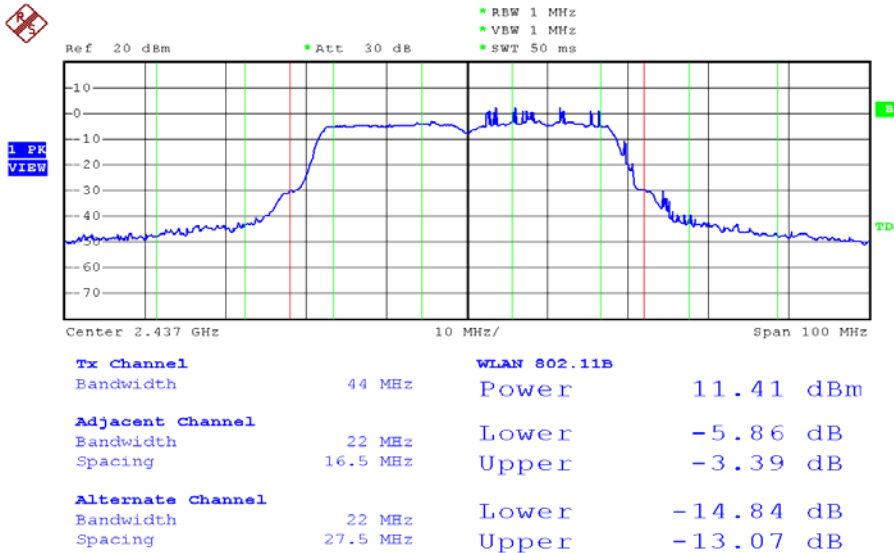
Date: 5.NOV.2008 14:25:34

Modulation Standard: 802.11n HT40 (300Mbps), TX1
Channel: 03



Date: 5.NOV.2008 13:59:03

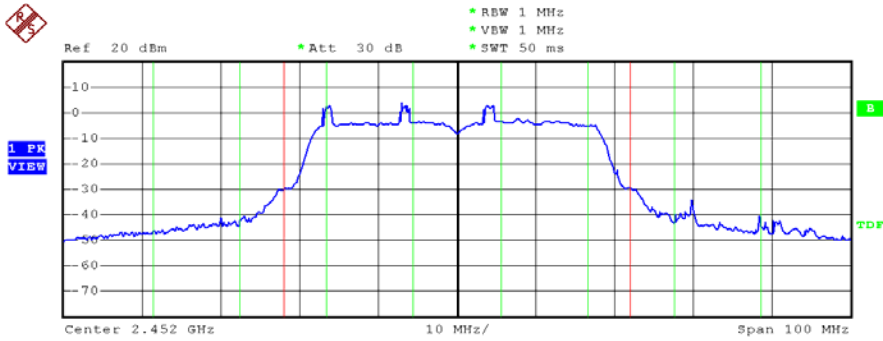
Modulation Standard: 802.11n HT40 (300Mbps), TX1
Channel: 06



Date: 5.NOV.2008 14:09:18



Modulation Standard: 802.11n HT40 (300Mbps), TX1
Channel: 09



Tx Channel		WLAN 802.11B	
Bandwidth	44 MHz	Power	12.04 dBm
Adjacent Channel		Lower	-3.76 dB
Bandwidth	22 MHz	Upper	-5.70 dB
Spacing	16.5 MHz		
Alternate Channel		Lower	-11.79 dB
Bandwidth	22 MHz	Upper	-14.84 dB
Spacing	27.5 MHz		

Date: 5.NOV.2008 14:13:02



8. Band Edges Measurement

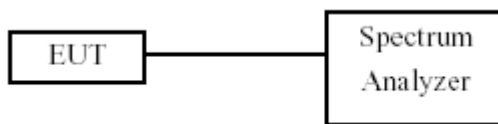
8.1 Test Limit

Below -20dB of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

8.2 Test Procedure

- The transmitter output was connected to the spectrum analyzer via a low lose cable.
- Set both RBW and VBW of spectrum analyzer to 100 KHz with convenient frequency span including 100 KHz bandwidth from band edge.
- The band edges was measured and recorded.

8.3 Test Setup Layout



8.4 Measurement equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	FSP40	R&S	10047	2008/02/22	2009/02/21

8.5 Test Result and Data

Test Date: Nov. 05, 2008

Temperature: 20

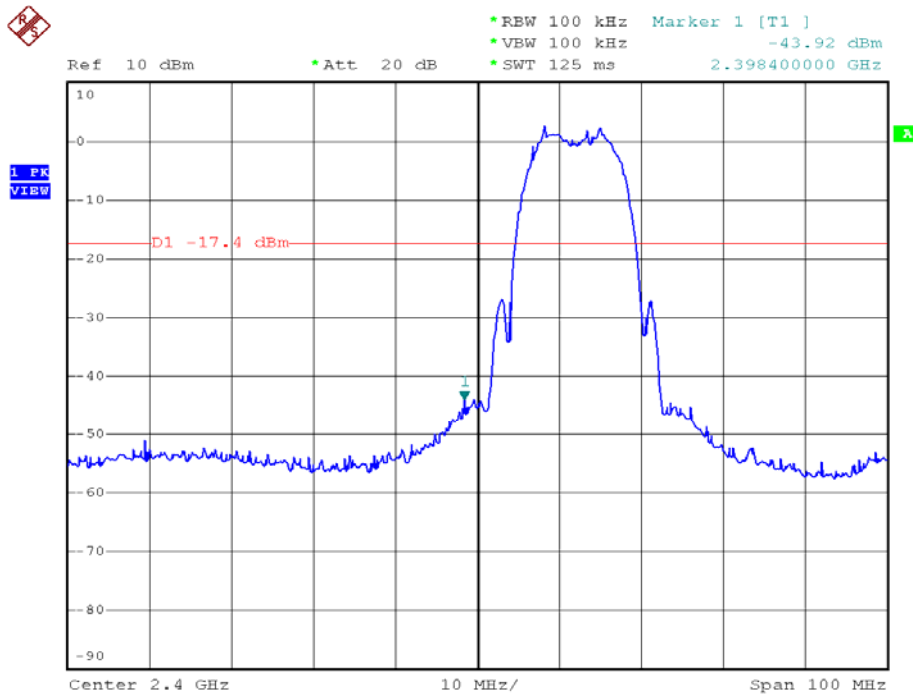
Atmospheric pressure: 1008 hPa

Humidity: 60%

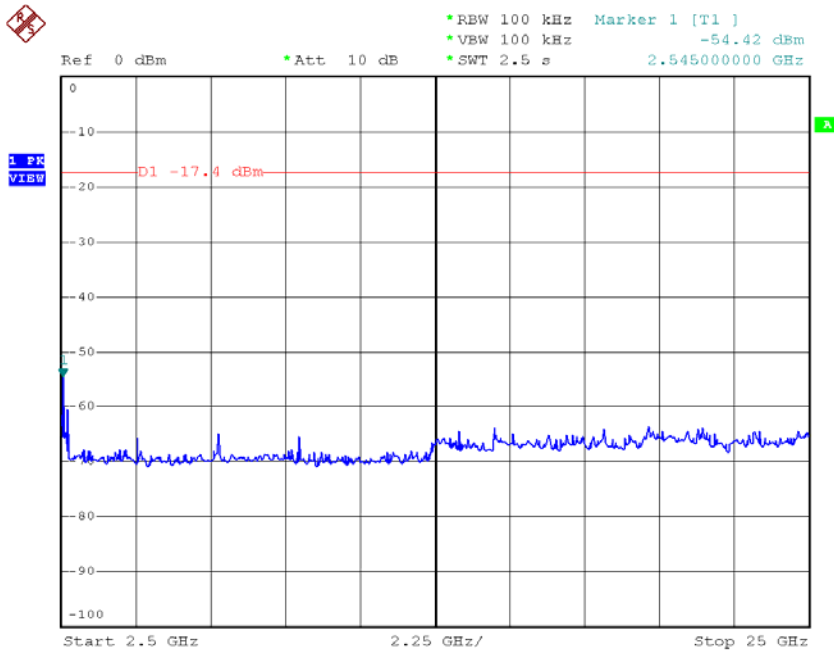
Modulation Standard	Channel	Frequency (MHz)	maximum value in frequency (MHz)		maximum value (dBm)	
			TX0	TX1	TX0	TX1
802.11b (11Mbps)	01	2412	2398.40	2399.00	-43.92	-43.07
	11	2462	2484.70	2590.00	-53.09	-50.46
802.11g (54Mbps)	01	2412	2399.60	2399.40	-29.47	-29.79
	11	2462	2484.70	2499.90	-54.23	-54.11
802.11n HT20 (130Mbps)	01	2412	2399.40	2399.40	-33.23	-36.08
	11	2462	2483.90	2483.90	-56.70	-55.89
802.11n HT40 (300Mbps)	03	2422	2399.40	2399.40	-41.57	-42.36
	09	2452	2489.50	2493.30	-55.00	-55.51



Modulation Standard: 802.11b (11Mbps), TX0
Channel: 01



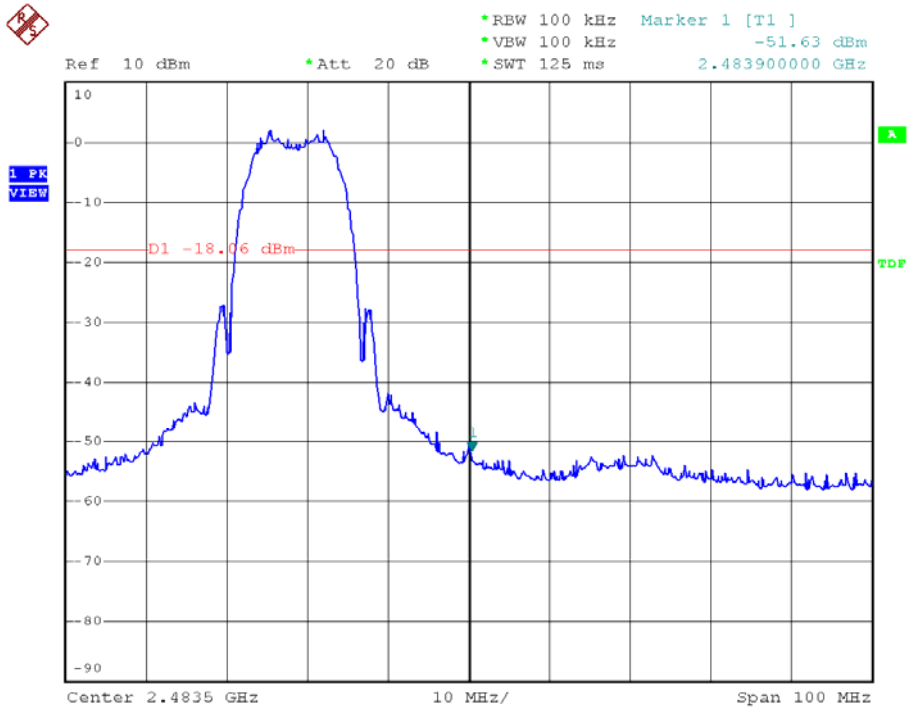
Date: 4.NOV.2008 11:35:19



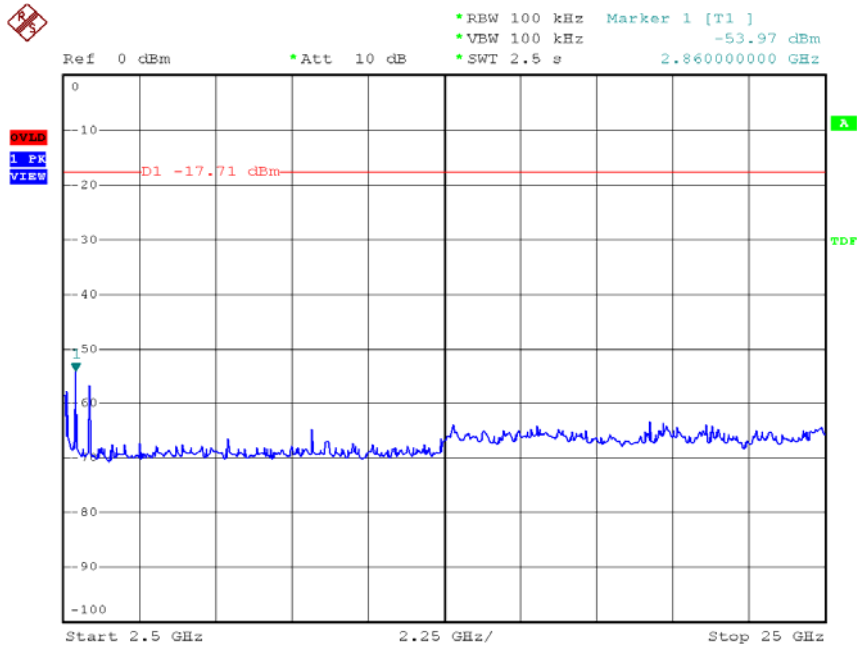
Date: 4.NOV.2008 11:35:46



Modulation Standard: 802.11b (11Mbps), TX0
Channel: 11



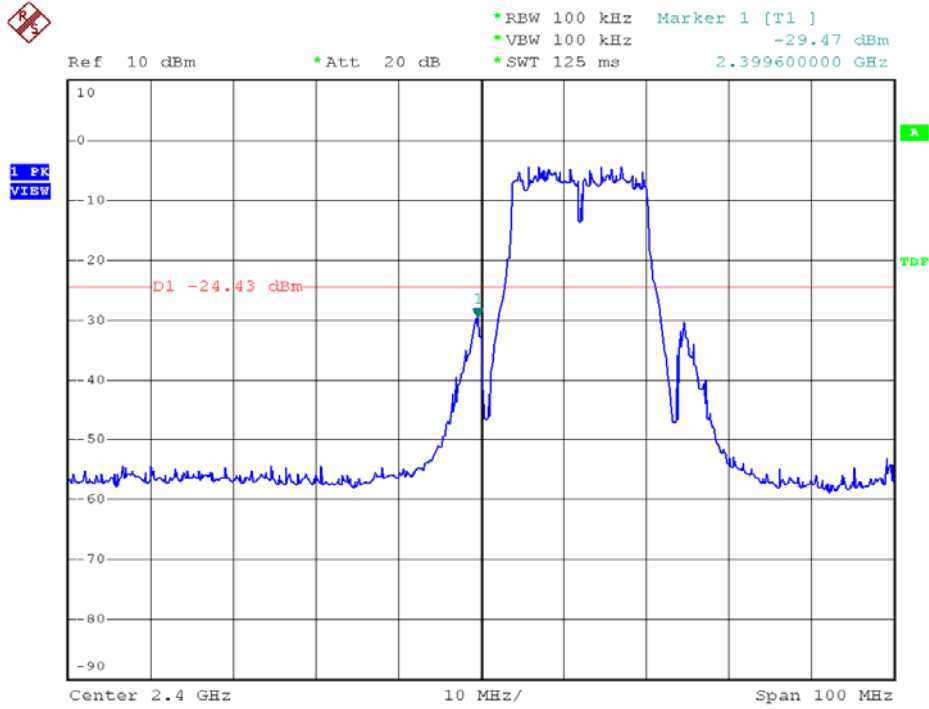
Date: 4.NOV.2008 17:40:03



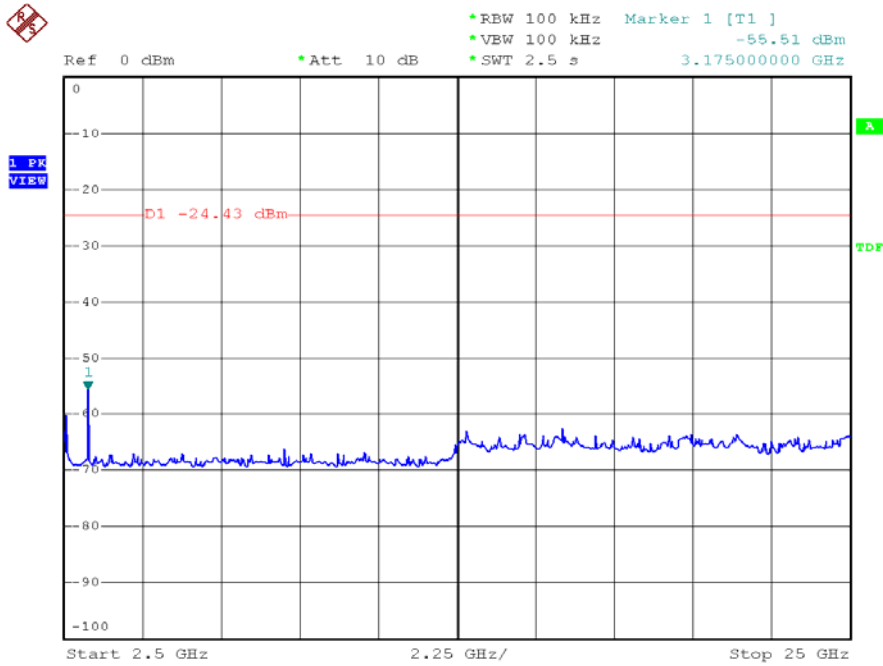
Date: 4.NOV.2008 11:40:42



Modulation Standard: 802.11g (54Mbps), TX0
Channel: 01



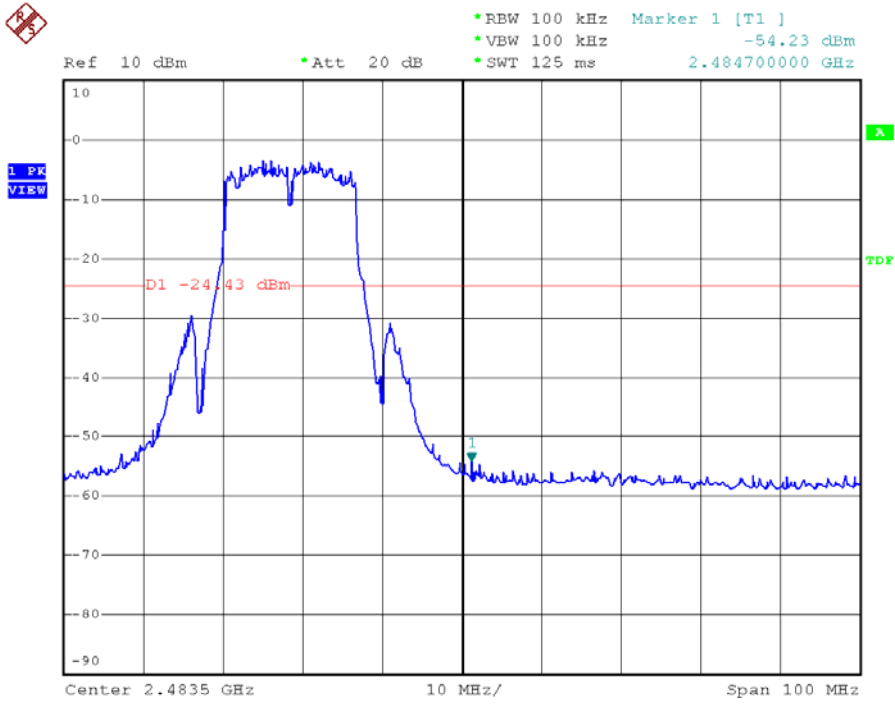
Date: 4.NOV.2008 13:30:11



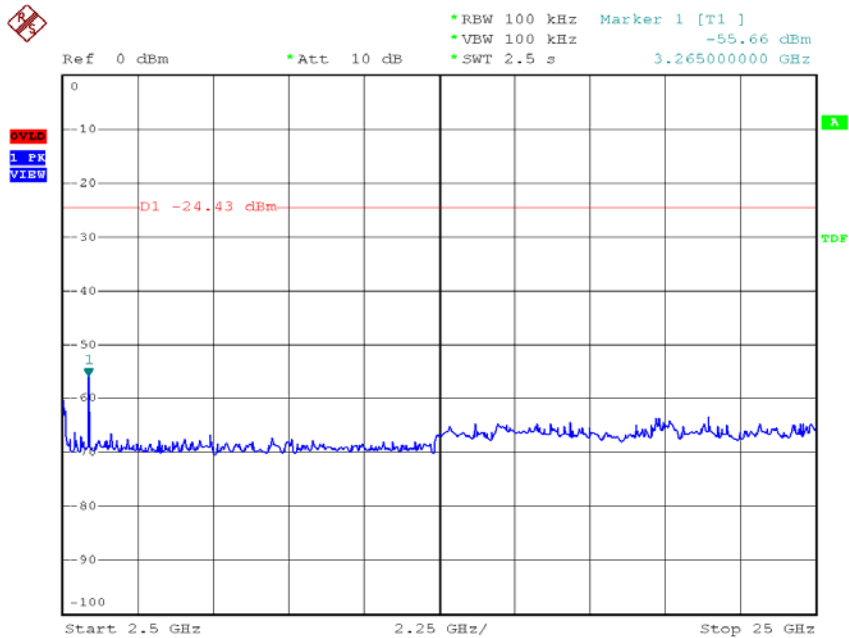
Date: 4.NOV.2008 13:31:24



Modulation Standard: 802.11g (54Mbps), TX0
Channel: 11



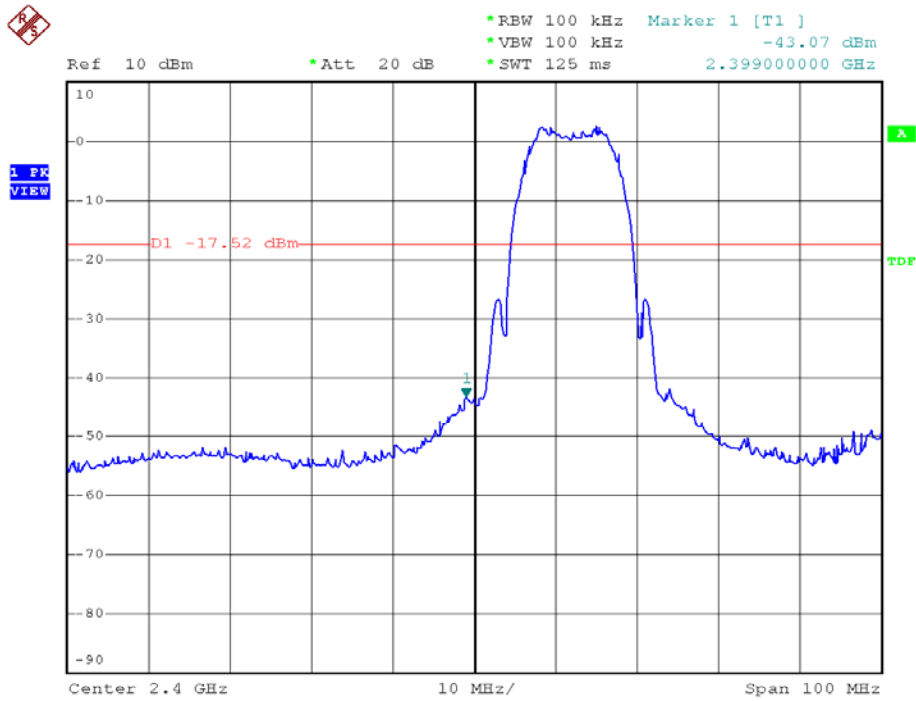
Date: 4.NOV.2008 13:35:51



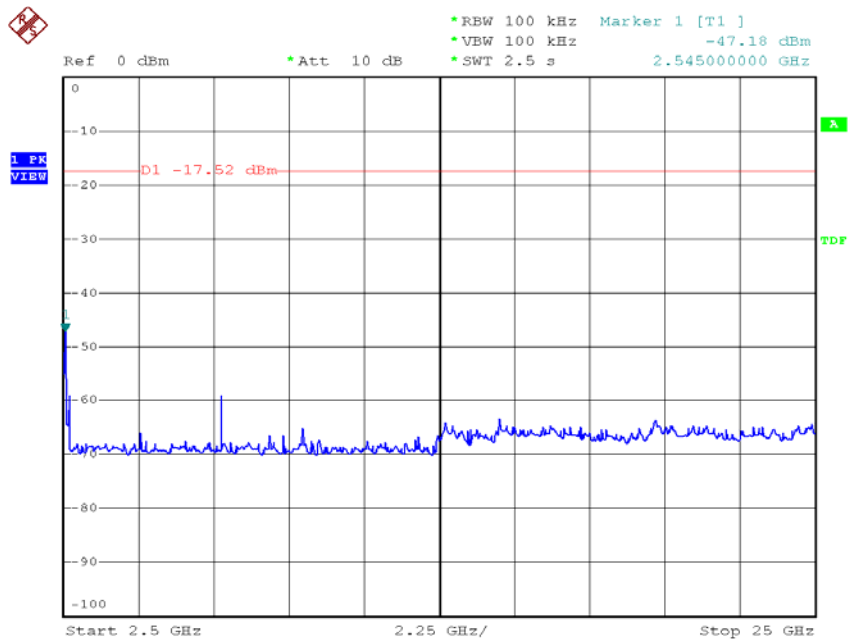
Date: 4.NOV.2008 13:36:34



Modulation Standard: 802.11b (11Mbps), TX1
Channel: 01



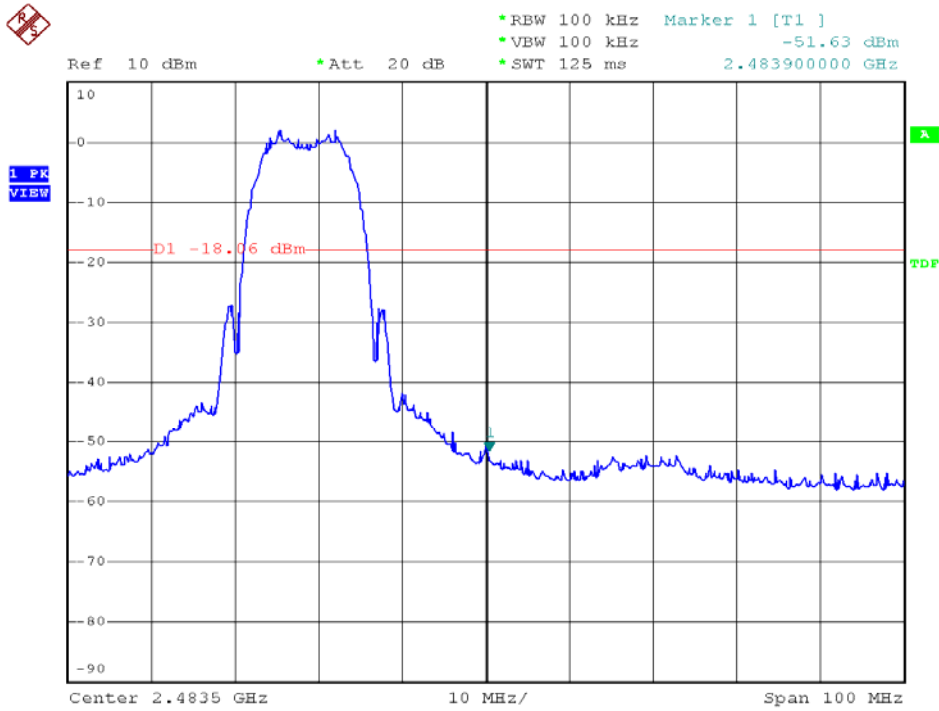
Date: 4.NOV.2008 17:32:57



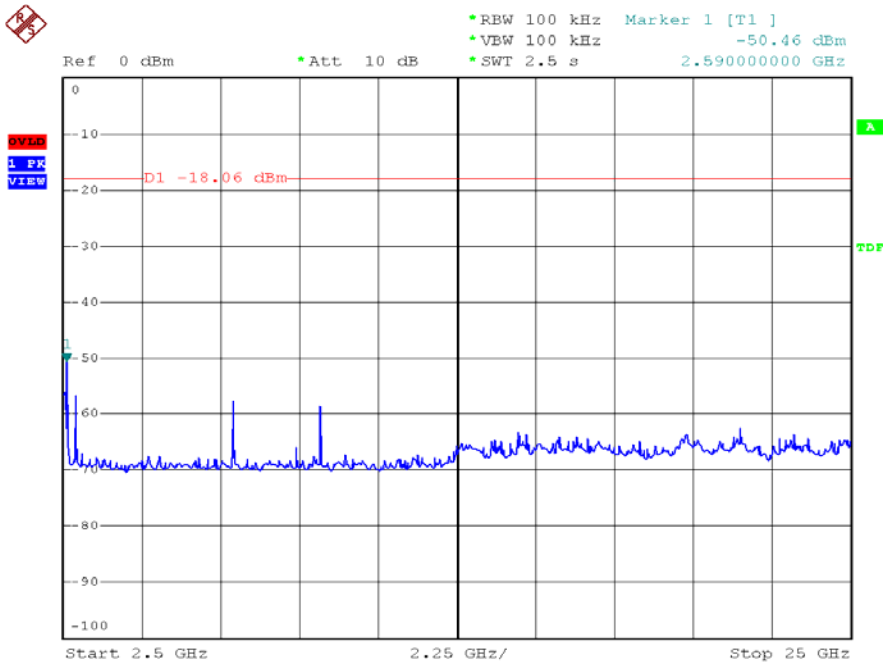
Date: 4.NOV.2008 17:33:24



Modulation Standard: 802.11b (11Mbps), TX1
Channel: 11



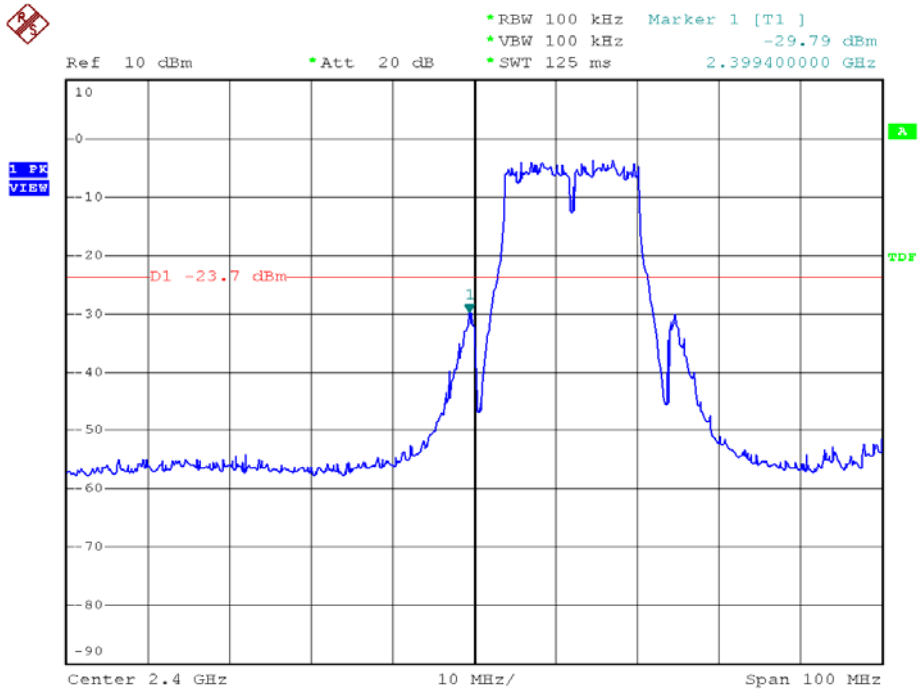
Date: 4.NOV.2008 17:40:03



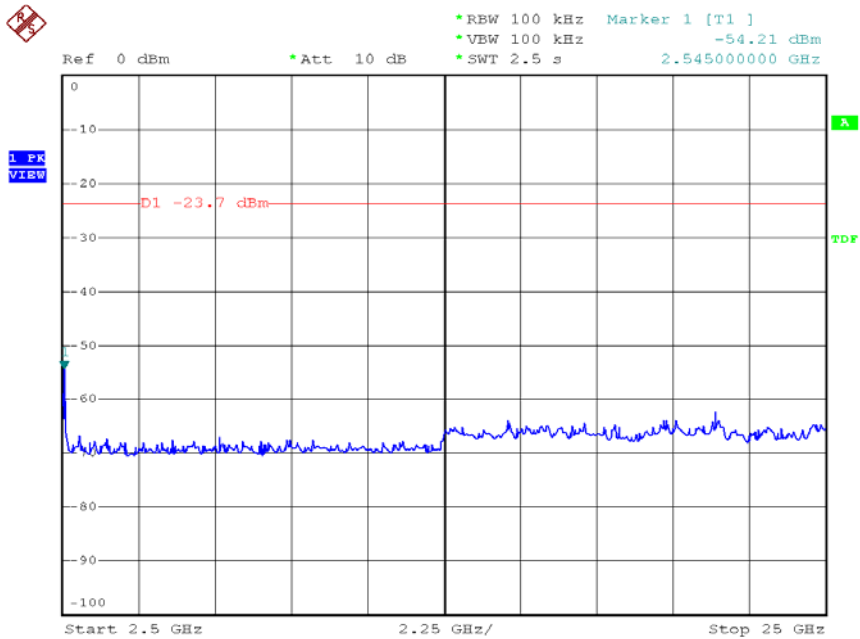
Date: 4.NOV.2008 17:40:52



Modulation Standard: 802.11g (54Mbps), TX1
Channel: 01



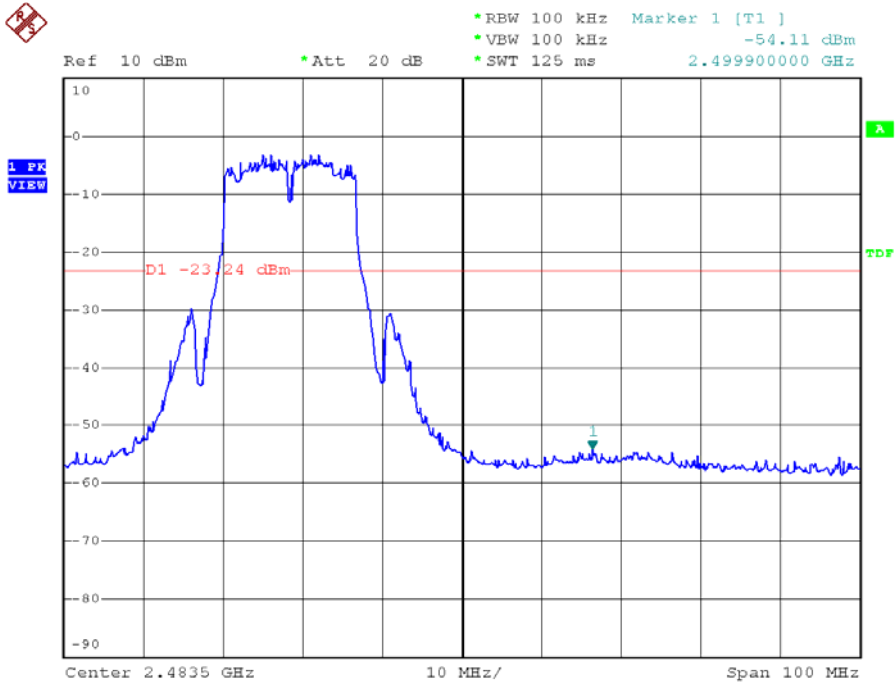
Date: 4.NOV.2008 18:01:46



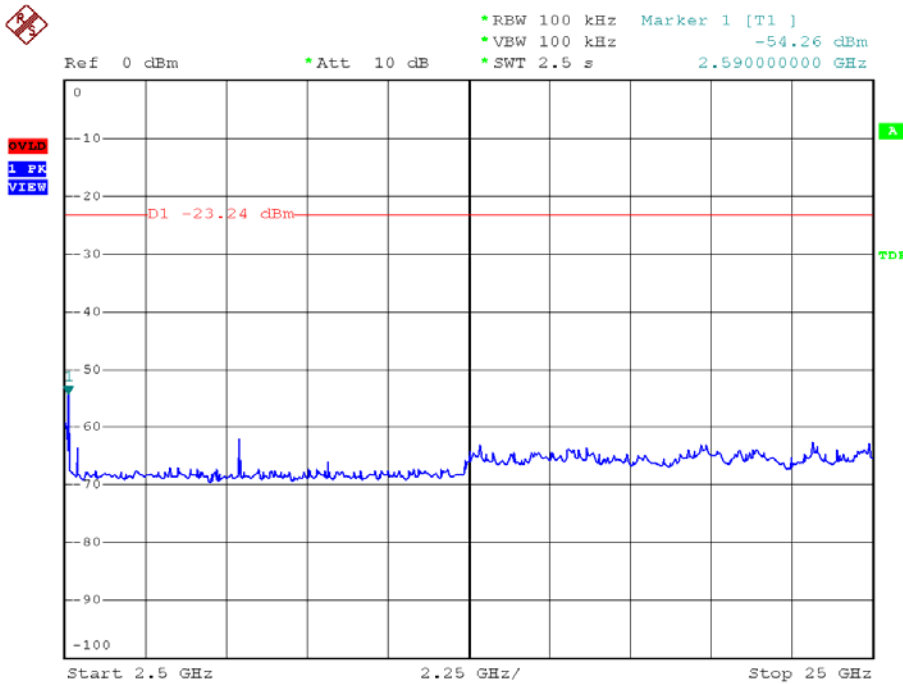
Date: 4.NOV.2008 18:02:13



Modulation Standard: 802.11g (54Mbps), TX1
Channel: 11



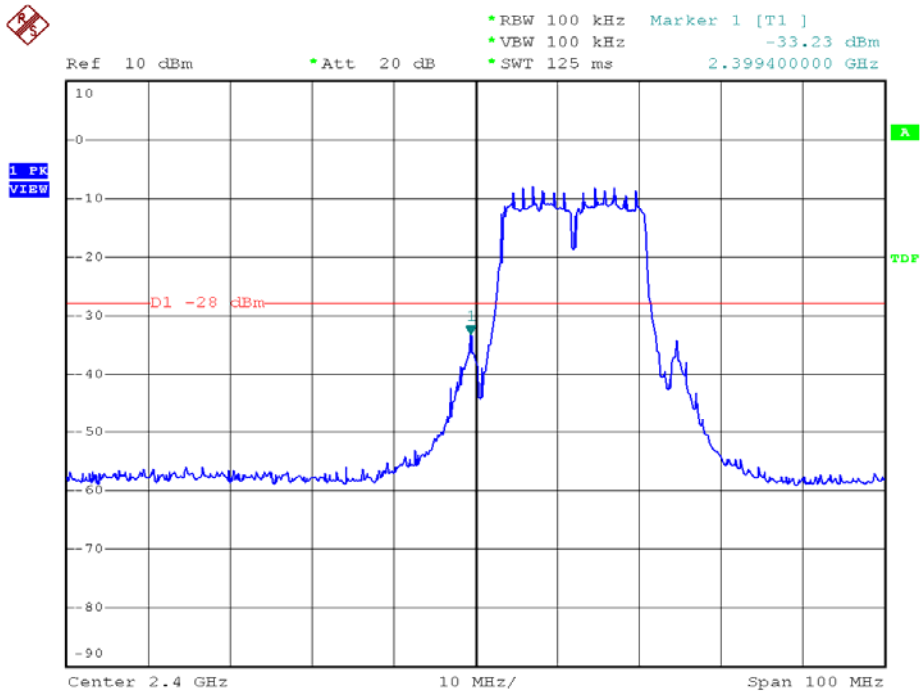
Date: 4.NOV.2008 18:13:07



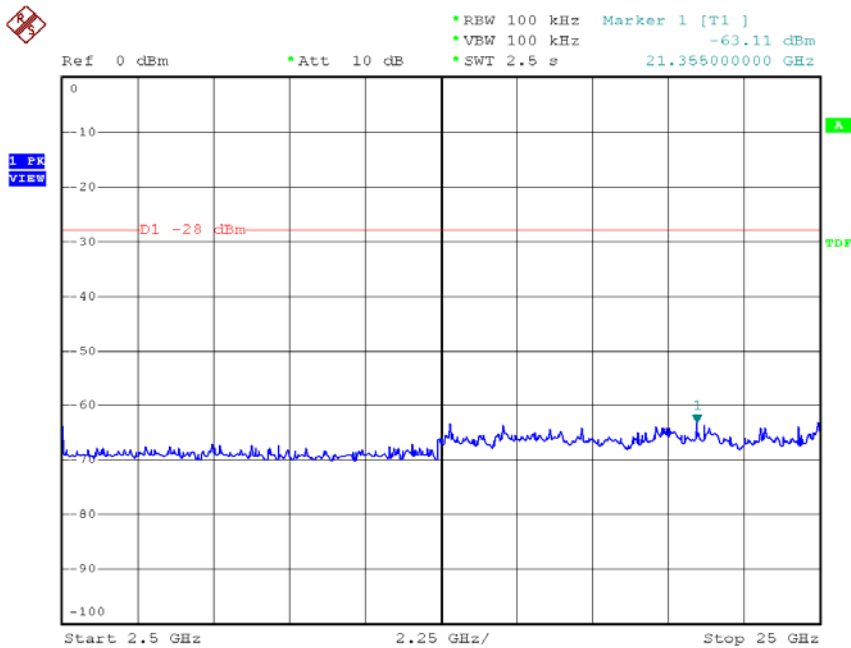
Date: 4.NOV.2008 18:14:19



Modulation Standard: 802.11n HT20 (130Mbps), TX0
Channel: 01



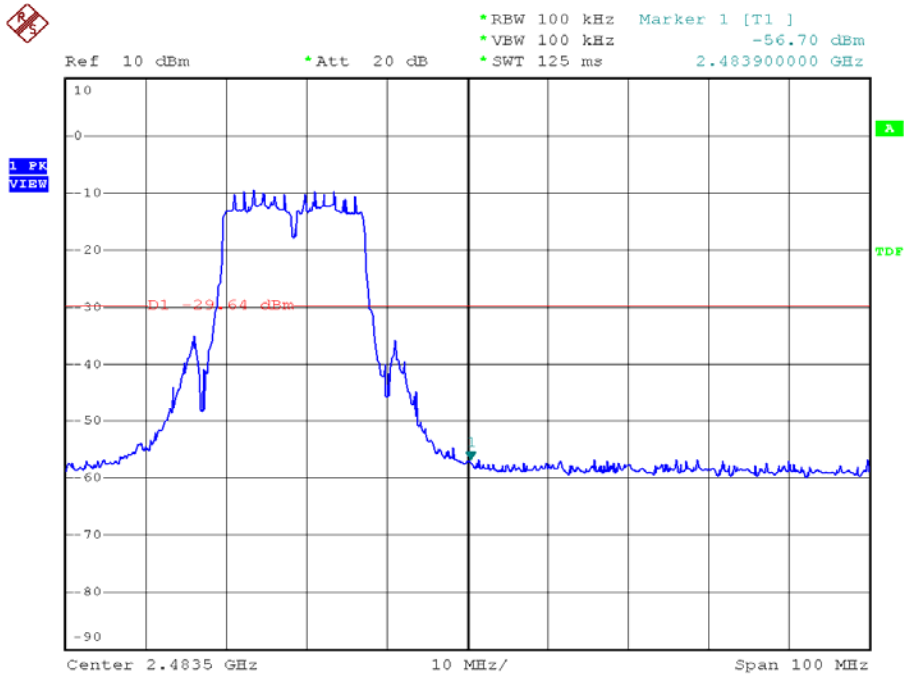
Date: 5.NOV.2008 15:10:22



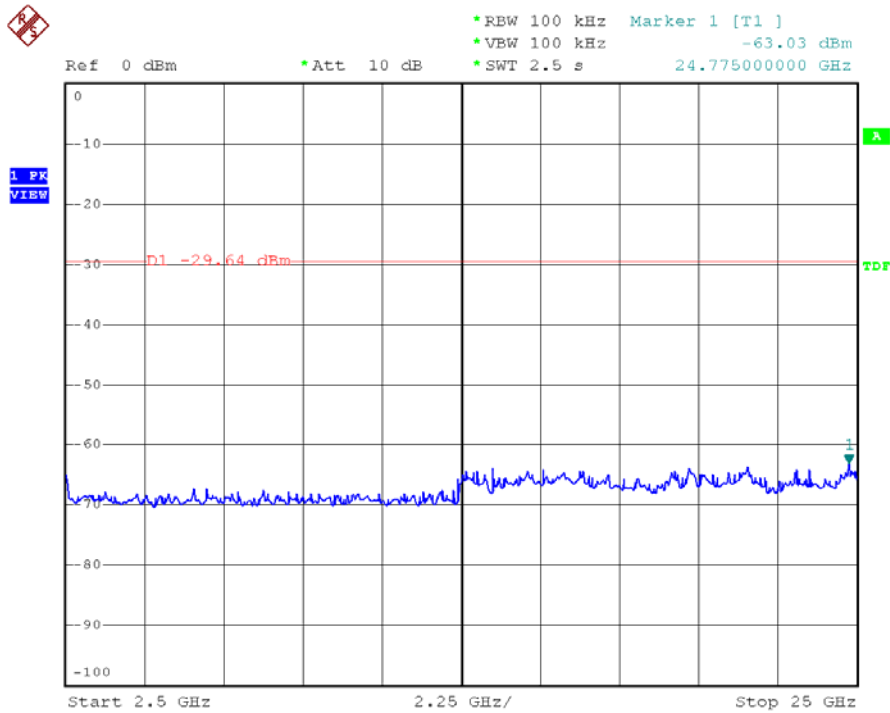
Date: 5.NOV.2008 15:10:54



Modulation Standard: 802.11n HT20 (130Mbps), TX0
Channel: 11



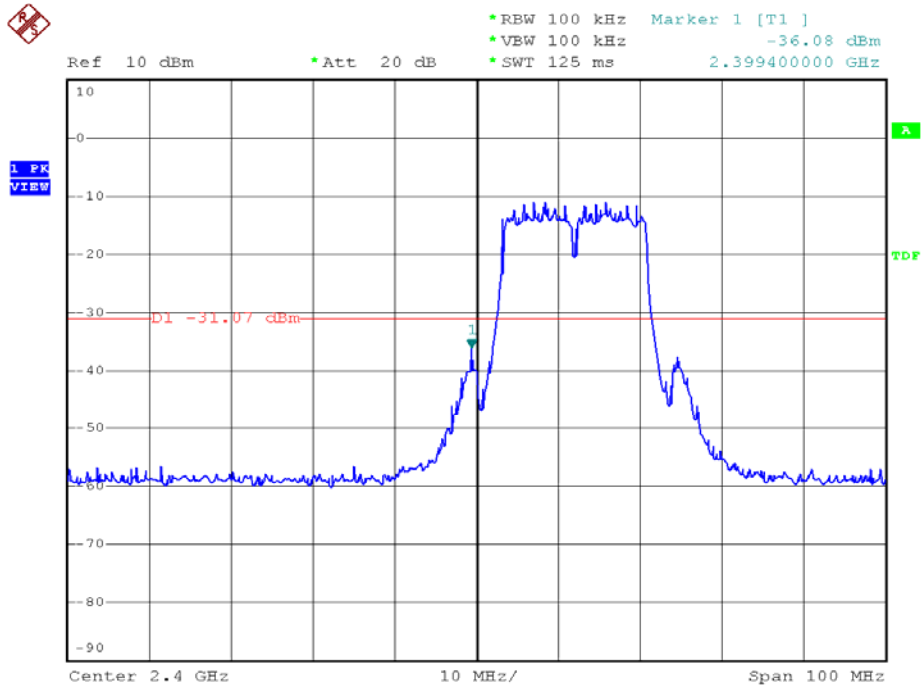
Date: 5.NOV.2008 15:14:25



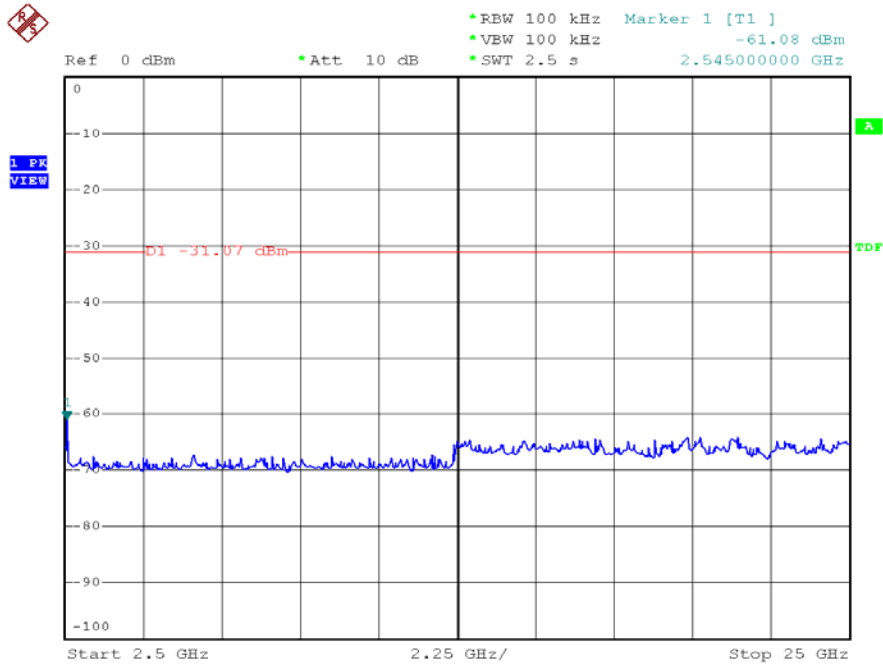
Date: 5.NOV.2008 15:14:49



Modulation Standard: 802.11n HT20 (130Mbps), TX1
Channel: 01



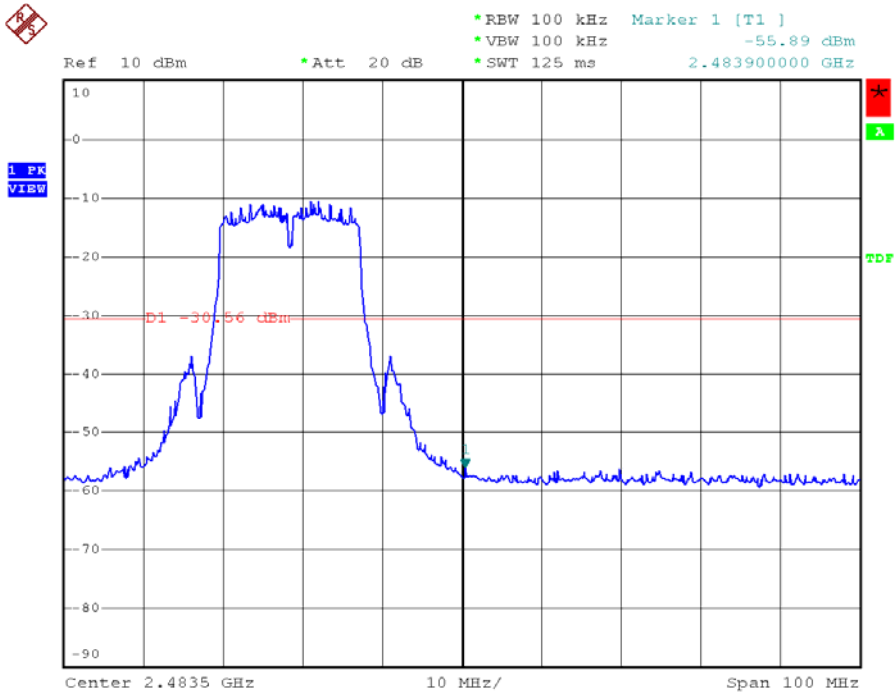
Date: 5.NOV.2008 15:12:05



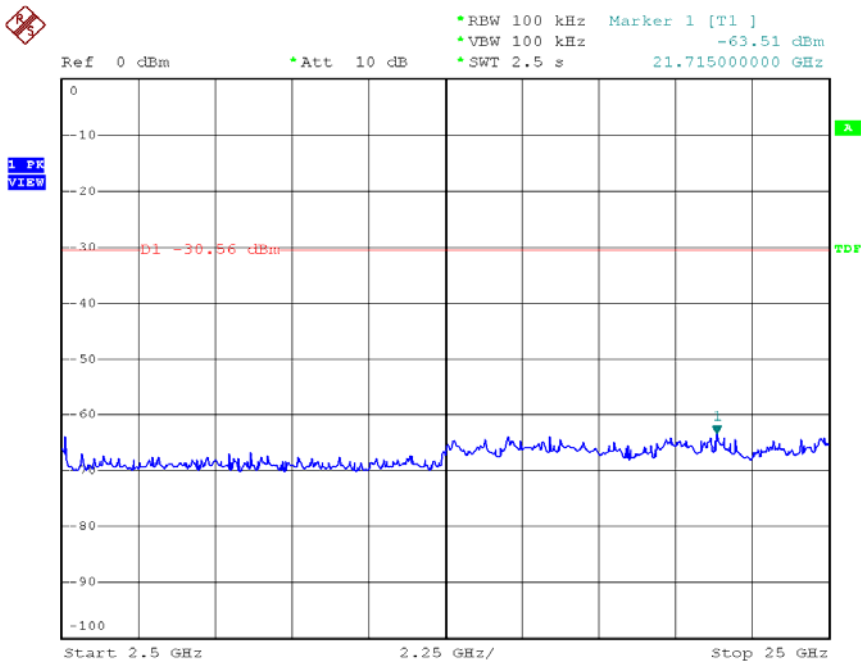
Date: 5.NOV.2008 15:12:37



Modulation Standard: 802.11n HT20 (130Mbps), TX1
Channel: 11



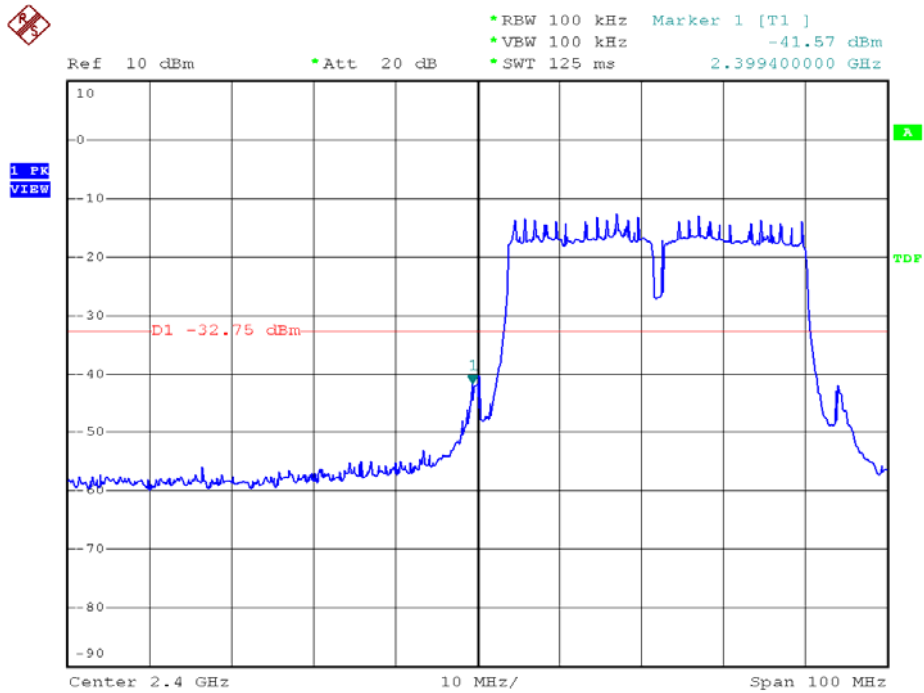
Date: 5.NOV.2008 15:21:28



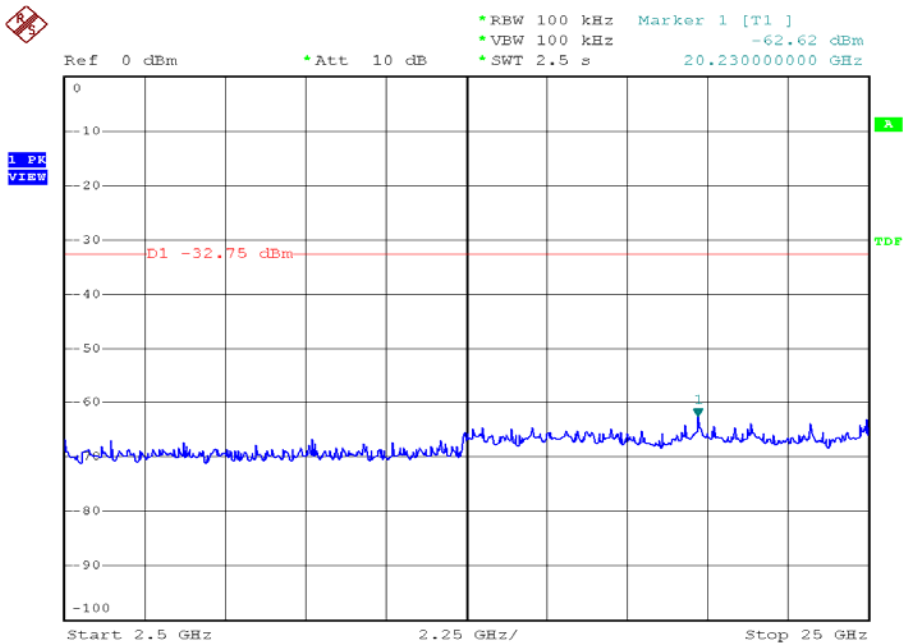
Date: 5.NOV.2008 15:21:58



Modulation Standard: 802.11n HT40 (300Mbps), TX0
Channel: 03



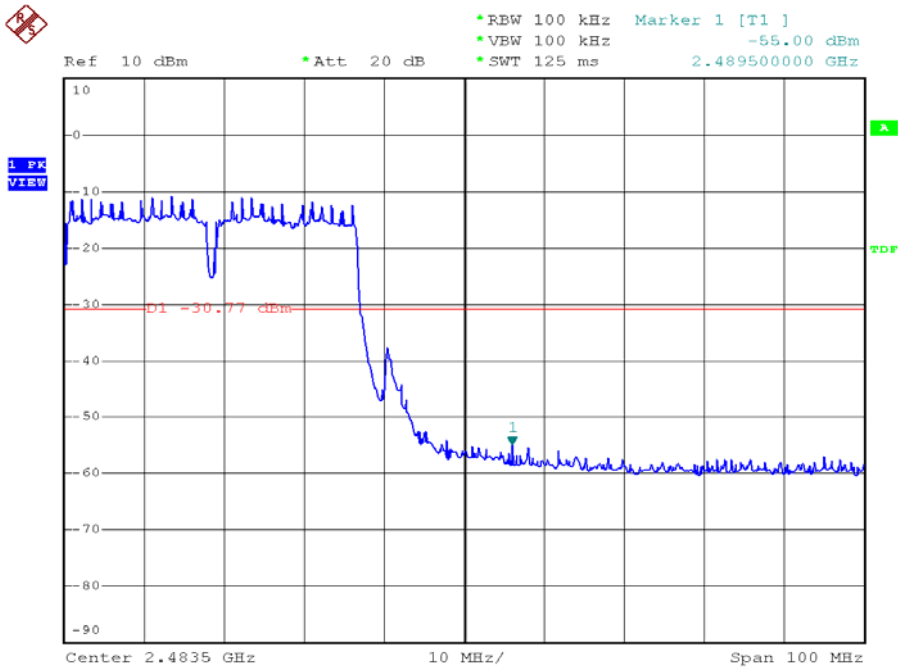
Date: 5.NOV.2008 15:34:49



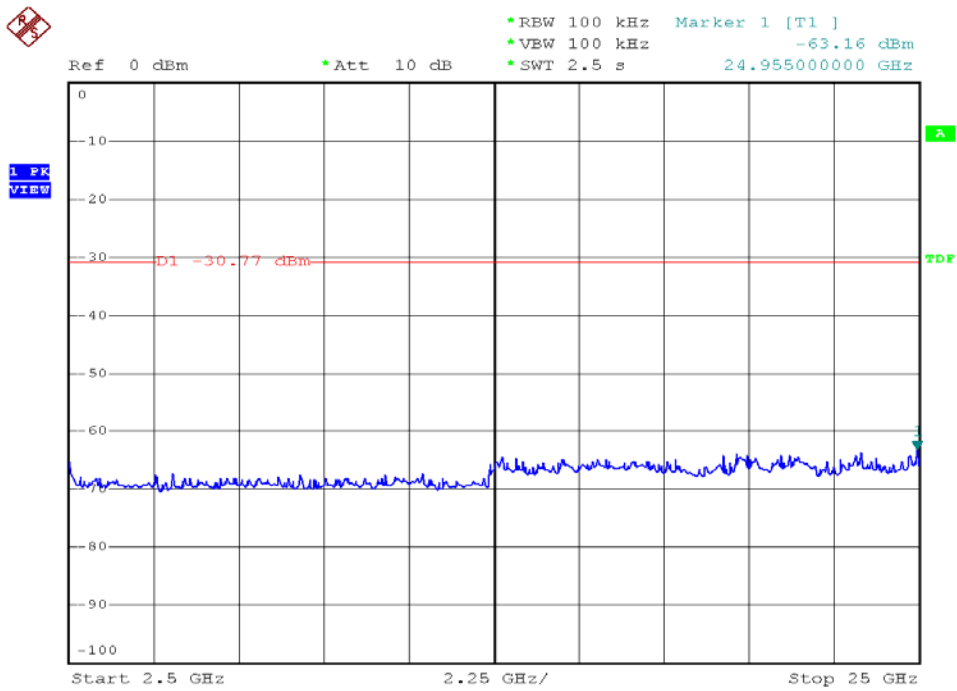
Date: 5.NOV.2008 15:35:25



Modulation Standard: 802.11n HT40 (300Mbps), TX0
Channel: 09



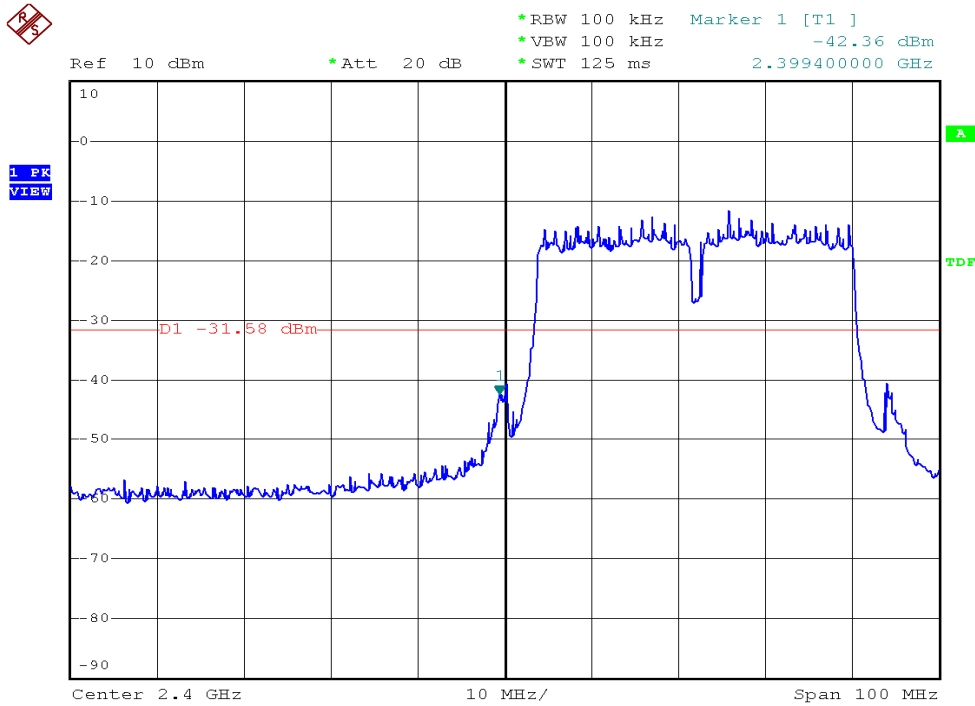
Date: 5.NOV.2008 15:36:27



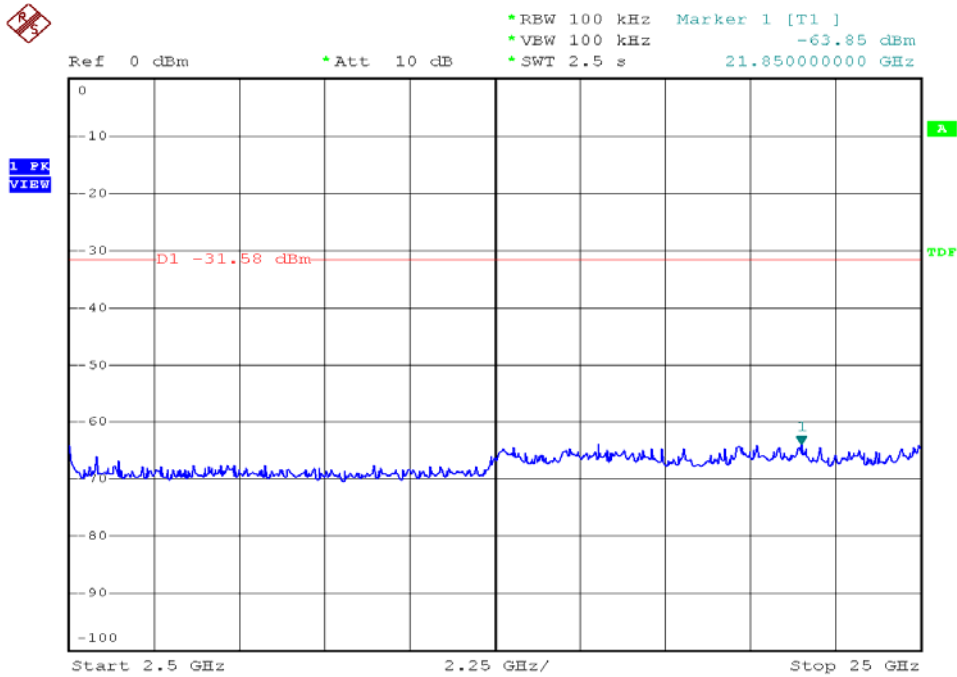
Date: 5.NOV.2008 15:37:09



Modulation Standard: 802.11n HT40 (300Mbps), TX1
Channel: 03



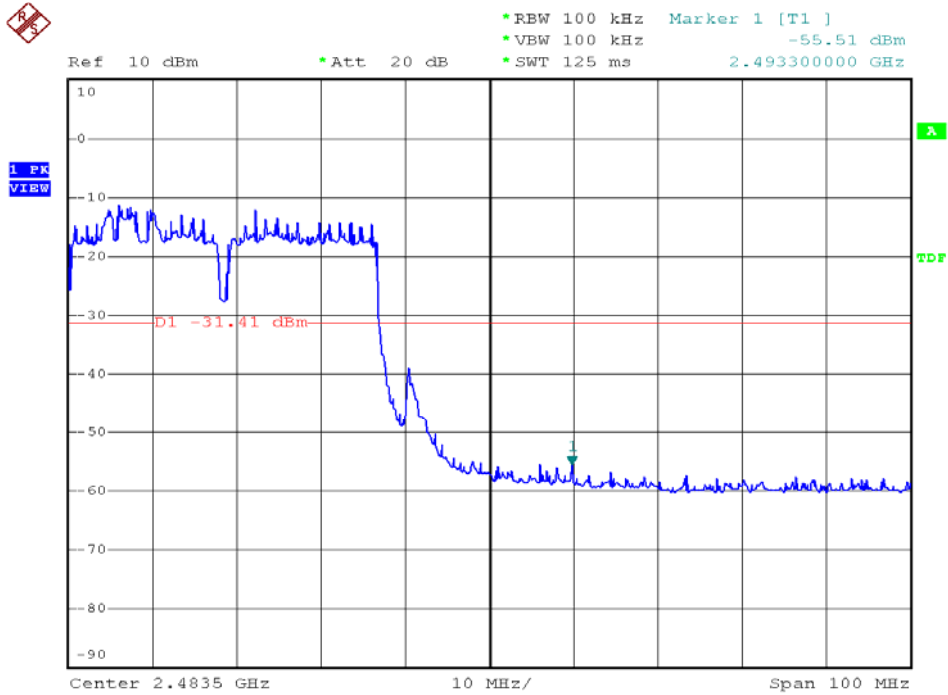
Date: 5.NOV.2008 15:39:56



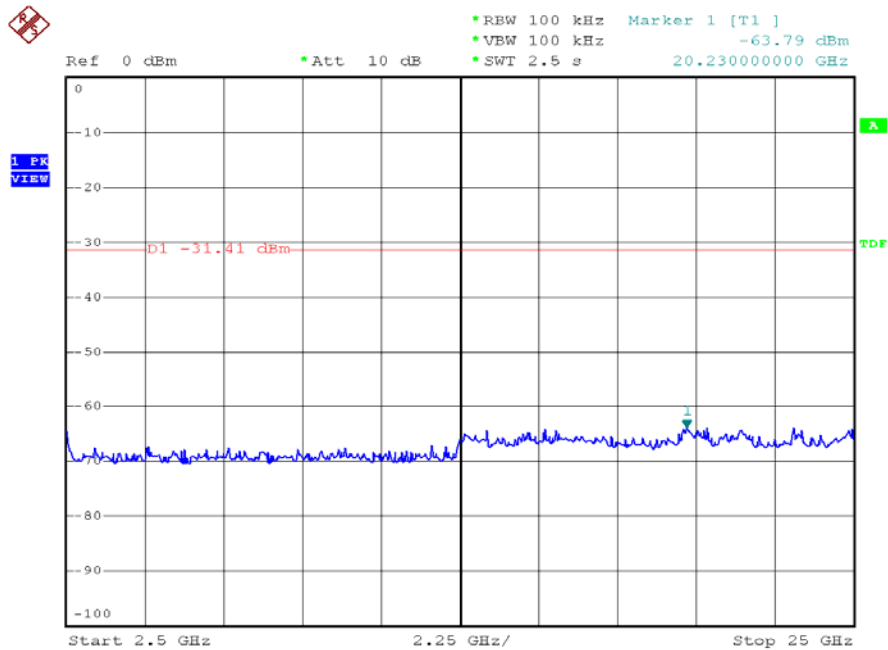
Date: 5.NOV.2008 15:40:43



Modulation Standard: 802.11n HT40 (300Mbps), TX1
Channel: 09



Date: 5.NOV.2008 15:38:06



Date: 5.NOV.2008 15:38:34



8.6 Restrict Band Emission Measurement Data

Test Date : Nov. 07, 2008
 Temperature : 26
 Humidity : 65%
 Atmospheric Pressure : 1007 hPa

Modulation Standard: IEEE 802.11b (11Mbps), Adapter: Leader \ MT12-Y120100-A1

Channel 1						Fundamental Frequency: 2412 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High (m)
						Peak	Ave.			
2389.76	H	60.82	-3.50	57.32	Peak	74	54	-16.68	200	1.10
2334.38	H	47.87	-3.70	44.17	Ave	74	54	-9.83	200	1.10
2363.24	V	60.47	-3.59	56.88	Peak	74	54	-17.12	192	1.00
2389.97	V	47.92	-3.50	44.43	Ave	74	54	-9.57	192	1.00
Channel 11						Fundamental Frequency: 2462 MHz				
2483.81	H	58.11	-3.16	54.95	Peak	74	54	-19.05	231	1.15
2499.32	H	46.97	-3.10	43.87	Ave	74	54	-10.13	231	1.15
2483.51	V	61.11	-3.16	57.95	Peak	74	54	-16.05	173	1.00
2483.51	V	49.34	-3.16	46.18	Ave	74	54	-7.82	173	1.00

Modulation Standard: IEEE 802.11g (54Mbps), Adapter: Leader \ MT12-Y120100-A1

Channel 1						Fundamental Frequency: 2412 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High (m)
						Peak	Ave.			
2371.91	H	58.33	-3.56	54.77	Peak	74	54	-19.23	226	1.15
2389.97	H	46.56	-3.50	43.06	Ave	74	54	-10.94	226	1.15
2389.46	V	58.75	-3.50	55.25	Peak	74	54	-18.75	190	1.00
2389.97	V	46.79	-3.50	43.30	Ave	74	54	-10.70	190	1.00
Channel 11						Fundamental Frequency: 2462 MHz				
2496.85	H	58.65	-3.11	55.54	Peak	74	54	-18.46	240	1.15
2495.40	H	46.88	-3.12	43.77	Ave	74	54	-10.23	240	1.15
2486.21	V	58.92	-3.15	55.77	Peak	74	54	-18.23	174	1.00
2483.51	V	47.43	-3.16	44.27	Ave	74	54	-9.73	174	1.00

Notes:

1. Result = Meter Reading + Factor
2. Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz



Test Date : Nov. 07, 2008
 Temperature : 26
 Humidity : 65%
 Atmospheric Pressure : 1007 hPa

Modulation Standard: IEEE 802.11n HT20 (130Mbps), Adapter: Leader \ MT12-Y120100-A1

Channel 1						Fundamental Frequency: 2412 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High (m)
						Peak	Ave.			
2326.22	H	58.60	-3.73	54.87	Peak	74	54	-19.13	240	1.26
2389.97	H	46.50	-3.50	43.00	Ave	74	54	-11.00	240	1.26
2333.15	V	60.24	-3.70	56.54	Peak	74	54	-17.46	206	1.00
2328.26	V	47.21	-3.72	43.49	Ave	74	54	-10.51	206	1.00
Channel 11						Fundamental Frequency: 2462 MHz				
2494.45	H	58.42	-3.12	55.30	Peak	74	54	-18.70	240	1.17
2499.32	H	46.83	-3.10	43.73	Ave	74	54	-10.27	240	1.17
2494.83	V	58.32	-3.12	55.20	Peak	74	54	-18.80	177	1.00
2499.58	V	46.85	-3.10	43.75	Ave	74	54	-10.25	177	1.00

Modulation Standard: IEEE 802.11n HT40 (300Mbps), Adapter: Leader \ MT12-Y120100-A1

Channel 3						Fundamental Frequency: 2422 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High (m)
						Peak	Ave.			
2356.31	H	58.42	-3.62	54.80	Peak	74	54	-19.20	240	1.16
2389.97	H	46.49	-3.50	42.99	Ave	74	54	-11.01	240	1.16
2384.87	V	62.15	-3.51	58.63	Peak	74	54	-15.37	160	1.00
2389.76	V	46.86	-3.50	43.36	Ave	74	54	-10.64	160	1.00
Channel 9						Fundamental Frequency: 2452 MHz				
2498.06	H	58.08	-3.11	54.98	Peak	74	54	-19.02	240	1.18
2499.77	H	46.78	-3.10	43.68	Ave	74	54	-10.32	240	1.18
2489.13	V	59.83	-3.14	56.69	Peak	74	54	-17.31	185	1.00
2485.45	V	47.04	-3.15	43.89	Ave	74	54	-10.11	185	1.00

Notes:

1. Result = Meter Reading + Factor
2. Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz



Test Date : Nov. 07, 2008
 Temperature : 26
 Humidity : 65%
 Atmospheric Pressure : 1007 hPa

Modulation Standard: IEEE 802.11b (11Mbps), Adapter: Sunny \ SYS1381-1212-W2

Channel 1						Fundamental Frequency: 2412 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High (m)
						Peak	Ave.			
2389.76	H	61.21	-3.50	57.71	Peak	74	54	-16.29	200	1.10
2334.38	H	48.46	-3.70	44.76	Ave	74	54	-9.24	200	1.10
2363.24	V	60.44	-3.59	56.85	Peak	74	54	-17.15	192	1.00
2389.97	V	47.87	-3.50	44.37	Ave	74	54	-9.63	192	1.00
Channel 11						Fundamental Frequency: 2462 MHz				
2483.81	H	58.57	-3.16	55.41	Peak	74	54	-18.59	231	1.15
2499.32	H	47.75	-3.10	44.65	Ave	74	54	-9.35	231	1.15
2483.51	V	60.51	-3.16	57.35	Peak	74	54	-16.65	173	1.00
2483.51	V	48.93	-3.16	45.77	Ave	74	54	-8.23	173	1.00

Modulation Standard: IEEE 802.11g (54Mbps), Adapter: Sunny \ SYS1381-1212-W2

Channel 1						Fundamental Frequency: 2412 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High (m)
						Peak	Ave.			
2371.91	H	58.58	-3.56	55.02	Peak	74	54	-18.98	226	1.15
2389.97	H	47.49	-3.50	43.99	Ave	74	54	-10.01	226	1.15
2389.46	V	58.54	-3.50	55.04	Peak	74	54	-18.96	190	1.00
2389.97	V	46.15	-3.50	42.65	Ave	74	54	-11.35	190	1.00
Channel 11						Fundamental Frequency: 2462 MHz				
2496.85	H	59.39	-3.11	56.28	Peak	74	54	-17.72	240	1.15
2495.40	H	47.40	-3.12	44.28	Ave	74	54	-9.72	240	1.15
2486.21	V	58.90	-3.15	55.75	Peak	74	54	-18.25	174	1.00
2483.51	V	46.67	-3.16	43.51	Ave	74	54	-10.49	174	1.00

Notes:

1. Result = Meter Reading + Factor
2. Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz



Test Date : Nov. 07, 2008
 Temperature : 26
 Humidity : 65%
 Atmospheric Pressure : 1007 hPa

Modulation Standard: IEEE 802.11n HT20 (130Mbps), Adapter: Sunny \ SYS1381-1212-W2

Channel 1						Fundamental Frequency: 2412 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High (m)
						Peak	Ave.			
2326.22	H	58.70	-3.73	54.97	Peak	74	54	-19.03	240	1.26
2389.97	H	47.28	-3.50	43.78	Ave	74	54	-10.22	240	1.26
2333.15	V	60.07	-3.70	56.37	Peak	74	54	-17.63	206	1.00
2328.26	V	46.71	-3.72	42.99	Ave	74	54	-11.01	206	1.00
Channel 11						Fundamental Frequency: 2462 MHz				
2494.45	H	59.13	-3.12	56.01	Peak	74	54	-17.99	240	1.17
2499.32	H	47.23	-3.10	44.13	Ave	74	54	-9.87	240	1.17
2494.83	V	57.74	-3.12	54.62	Peak	74	54	-19.38	177	1.00
2499.58	V	46.38	-3.10	43.28	Ave	74	54	-10.72	177	1.00

Modulation Standard: IEEE 802.11n HT40 (300Mbps), Adapter: Sunny \ SYS1381-1212-W2

Channel 3						Fundamental Frequency: 2422 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High (m)
						Peak	Ave.			
2356.31	H	59.31	-3.62	55.69	Peak	74	54	-18.31	240	1.16
2389.97	H	47.41	-3.50	43.91	Ave	74	54	-10.09	240	1.16
2384.87	V	61.70	-3.51	58.19	Peak	74	54	-15.81	160	1.00
2389.76	V	46.63	-3.50	43.13	Ave	74	54	-10.87	160	1.00
Channel 9						Fundamental Frequency: 2452 MHz				
2498.06	H	58.38	-3.11	55.27	Peak	74	54	-18.73	240	1.18
2499.77	H	47.73	-3.10	44.63	Ave	74	54	-9.37	240	1.18
2489.13	V	59.72	-3.14	56.58	Peak	74	54	-17.42	185	1.00
2485.45	V	46.96	-3.15	43.81	Ave	74	54	-10.19	185	1.00

Notes:

1. Result = Meter Reading + Factor
2. Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz



9. Power Spectral Density

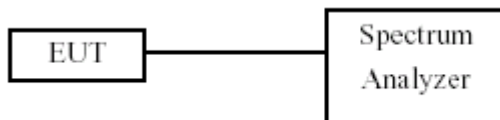
9.1 Test Limit

The Maximum of Power Spectral Density Measurement is 8dBm.

9.2 Test Procedures

- a. The transmitter output was connected to spectrum analyzer.
- b. The spectrum analyzer's resolution bandwidth were set at 3KHz RBW and 30KHz VBW as that of the fundamental frequency. Set the sweep time=span/3KHz.
- c. The power spectral density was measured and recorded.
- d. The Sweep time is allowed to be longer than span/3KHz for a full response of the mixer in the spectrum analyzer.

9.3 Test Setup Layout



9.4 Measurement equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	FSP40	R&S	10047	2008/02/22	2009/02/21

9.5 Test Result and Data

Test Date: Nov. 05, 2008

Temperature: 20

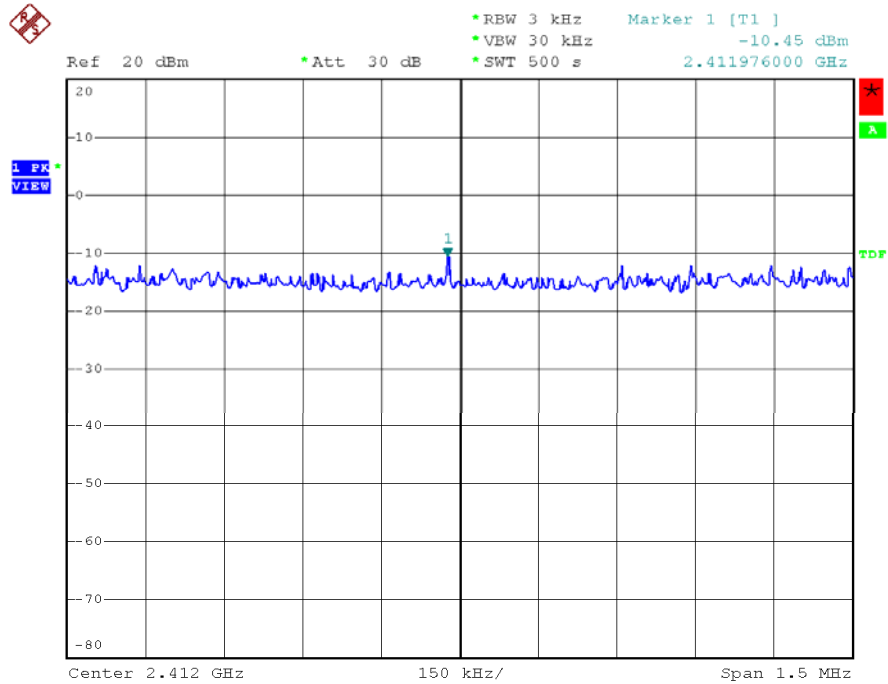
Atmospheric pressure: 1008 hPa

Humidity: 60%

Modulation Standard	Channel	Frequency (MHz)	Maximum Power Density of 3 kHz Bandwidth (dBm)		
			TX0	TX1	
802.11b (11Mbps)	01	2412	-10.45	-12.01	
	06	2437	-10.53	-12.57	
	11	2462	-14.73	-12.39	
802.11g (54Mbps)	01	2412	-17.96	-17.68	
	06	2437	-17.84	-17.95	
	11	2462	-17.70	-18.47	
			TX0	TX1	ALL
802.11n HT20 (130Mbps)	01	2412	-16.82	-19.26	-14.86
	06	2437	-15.38	-18.46	-13.64
	11	2462	-17.43	-19.23	-15.23
802.11n HT40 (300Mbps)	03	2422	-23.06	-22.67	-19.85
	06	2437	-22.15	-27.42	-21.02
	09	2452	-27.92	-27.56	-24.73

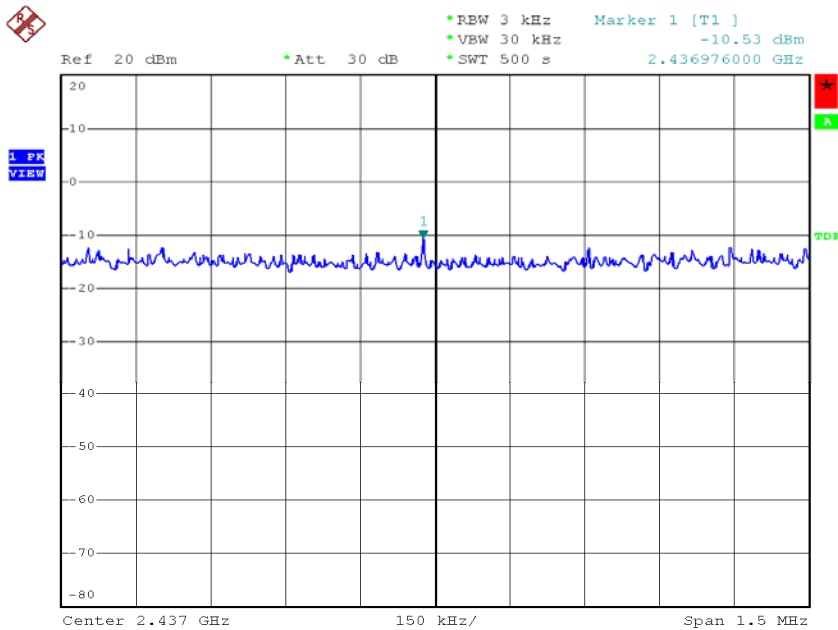


Modulation Standard: 802.11b (11Mbps), TX0
Channel: 01



Date: 4.NOV.2008 13:52:07

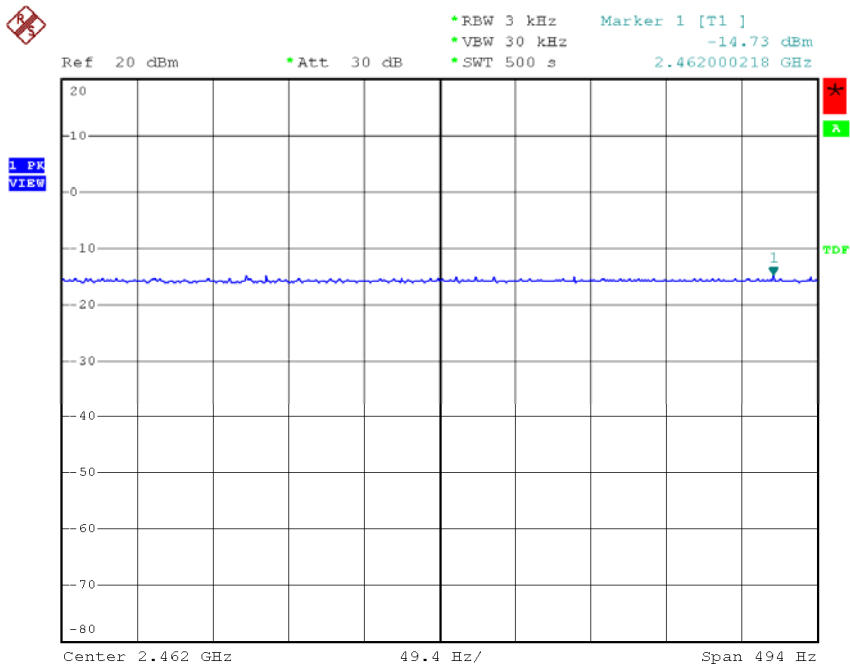
Modulation Standard: 802.11b (11Mbps), TX0
Channel: 06



Date: 4.NOV.2008 14:16:20

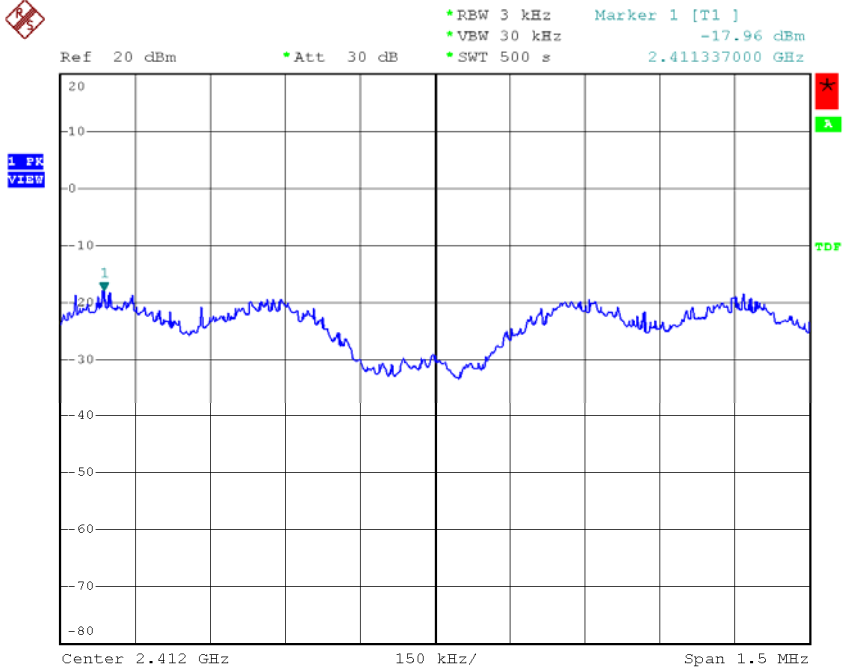


Modulation Standard: 802.11b (11Mbps), TX0
Channel: 11



Date: 4.NOV.2008 14:34:42

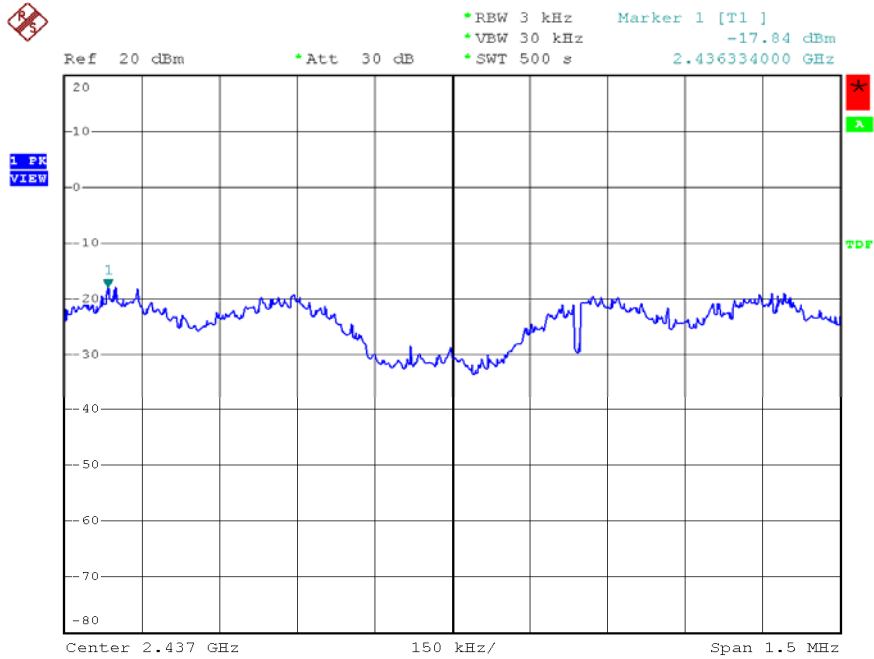
Modulation Standard: 802.11g (54Mbps), TX0
Channel: 01



Date: 4.NOV.2008 15:18:39

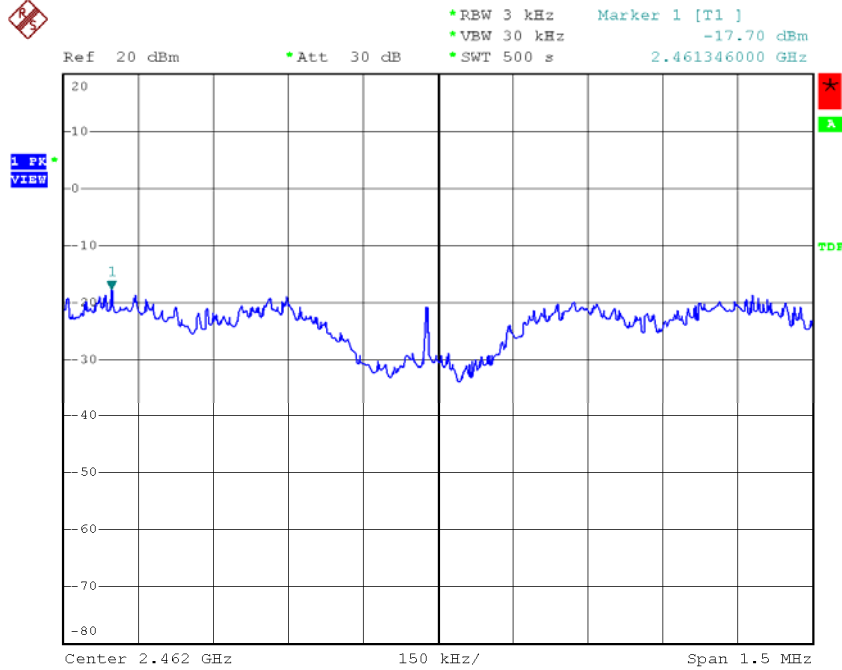


Modulation Standard: 802.11g (54Mbps), TX0
Channel: 06



Date: 4.NOV.2008 15:39:27

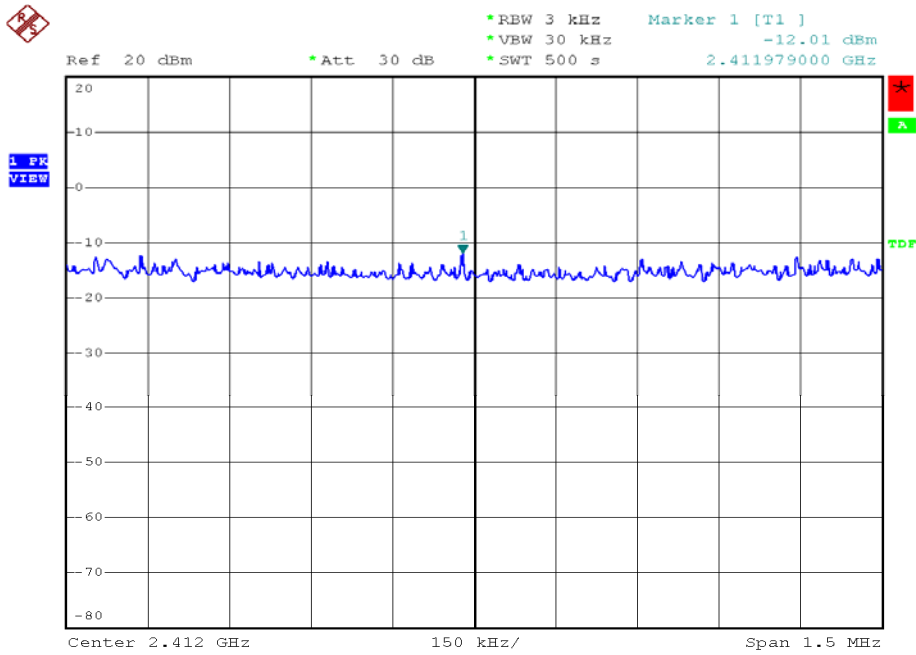
Modulation Standard: 802.11g (54Mbps), TX0
Channel: 11



Date: 4.NOV.2008 15:58:57

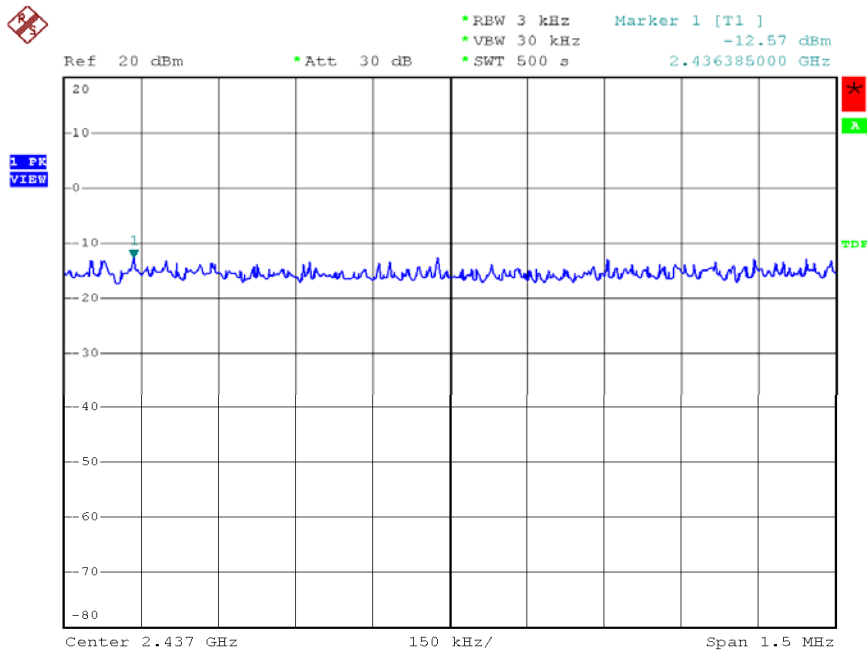


Modulation Standard: 802.11b (11Mbps), TX1
Channel: 01



Date: 5.NOV.2008 10:23:38

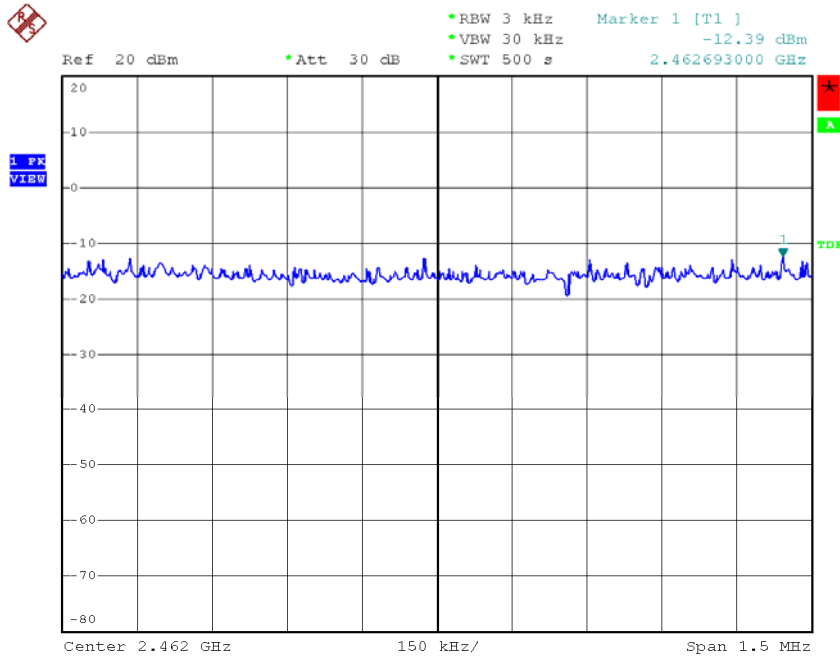
Modulation Standard: 802.11b (11Mbps), TX1
Channel: 06



Date: 5.NOV.2008 10:44:22

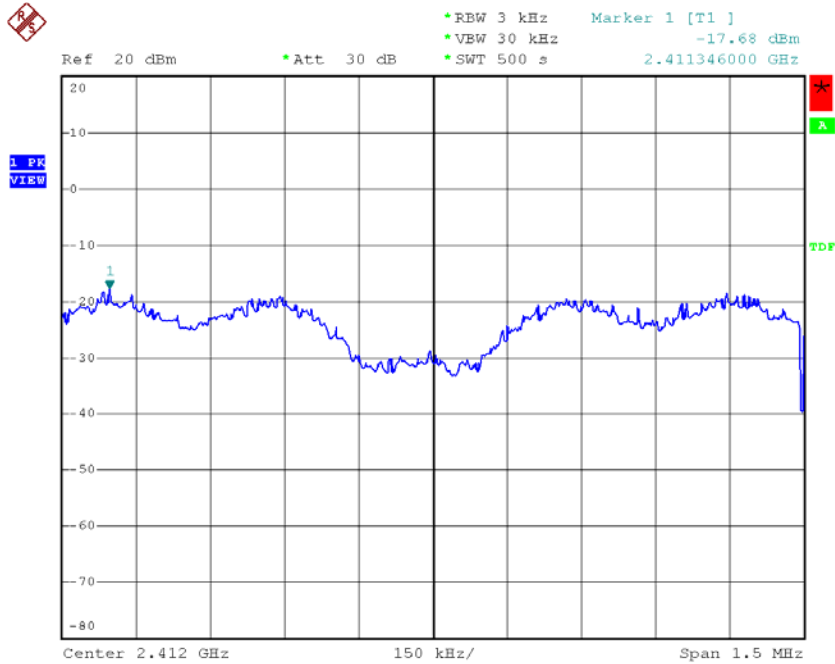


Modulation Standard: 802.11b (11Mbps), TX1
Channel: 11



Date: 5.NOV.2008 11:06:16

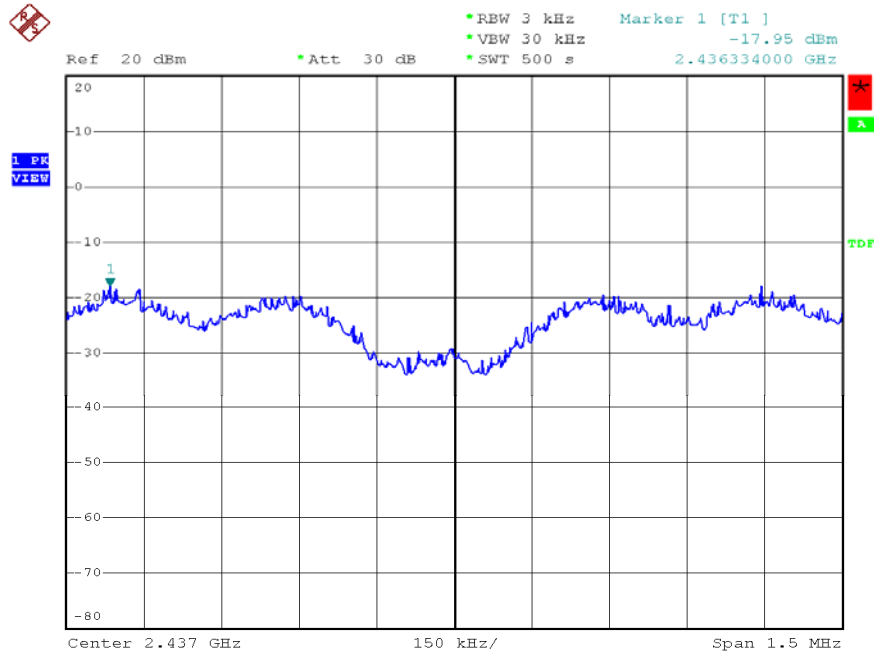
Modulation Standard: 802.11g (54Mbps), TX1
Channel: 01



Date: 5.NOV.2008 11:25:16

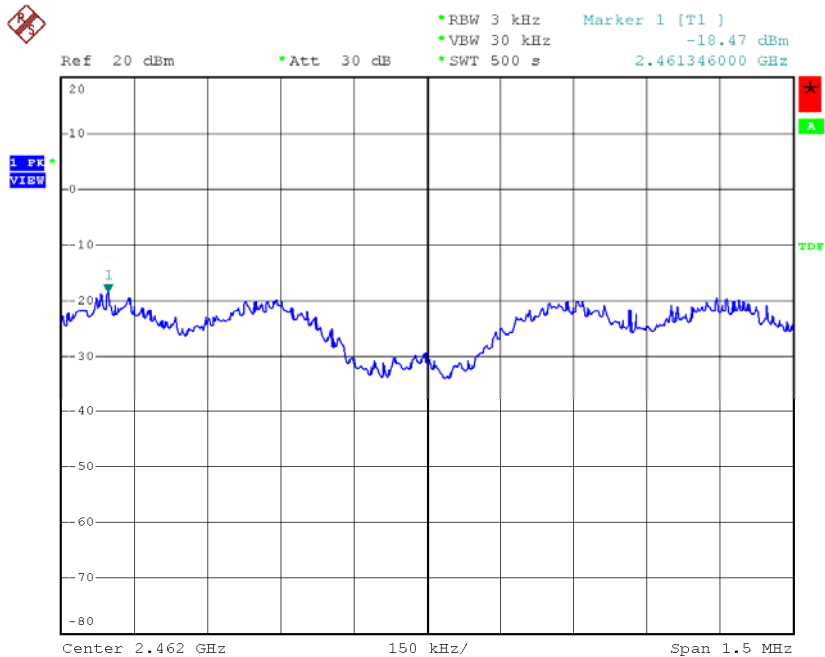


Modulation Standard: 802.11g (54Mbps), TX1
Channel: 06



Date: 5.NOV.2008 11:49:16

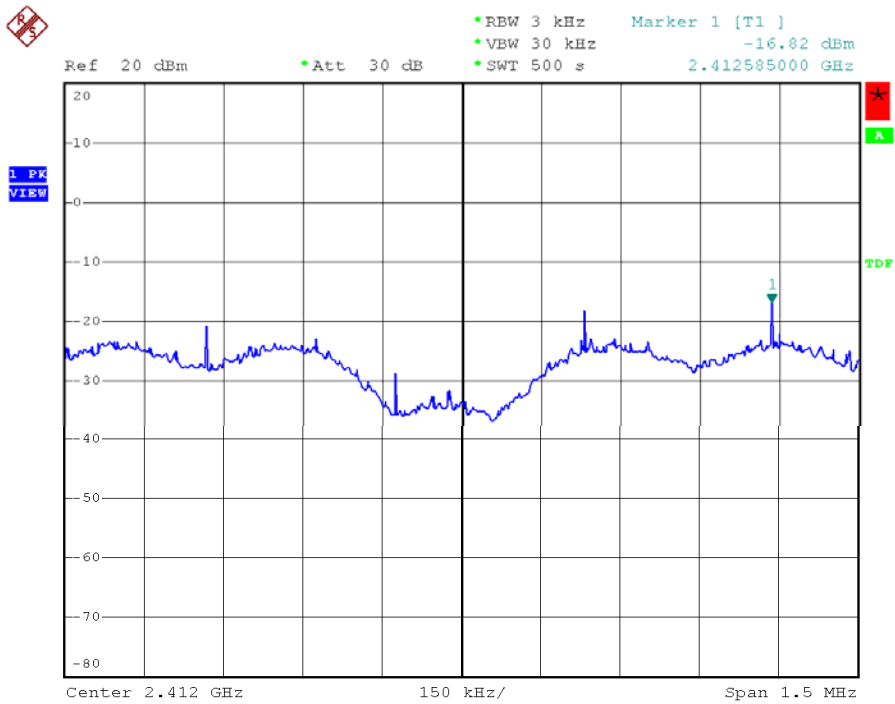
Modulation Standard: 802.11g (54Mbps), TX1
Channel: 11



Date: 5.NOV.2008 12:05:12

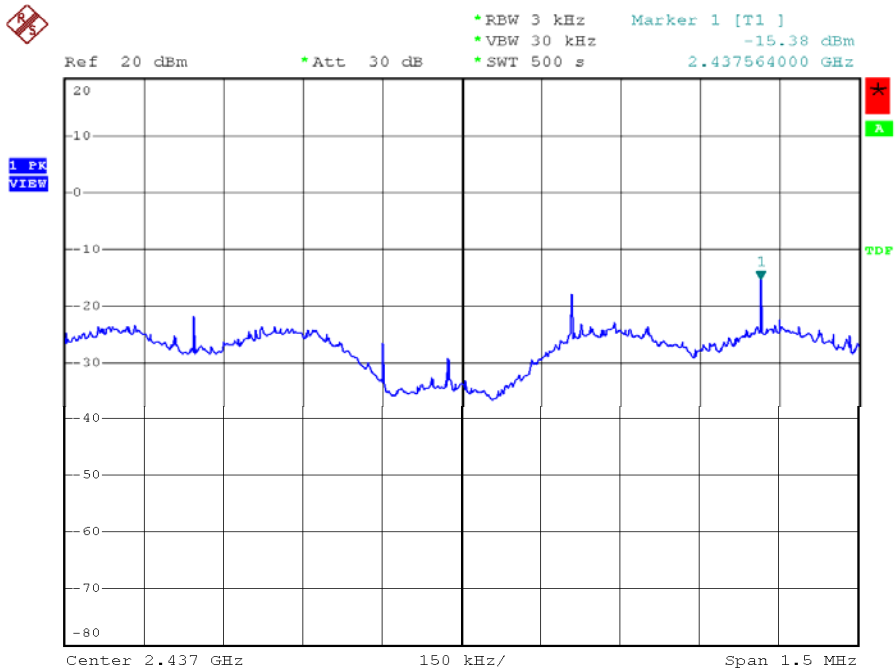


Modulation Standard: 802.11n HT20 (130Mbps), TX0
Channel: 01



Date: 5.NOV.2008 16:00:59

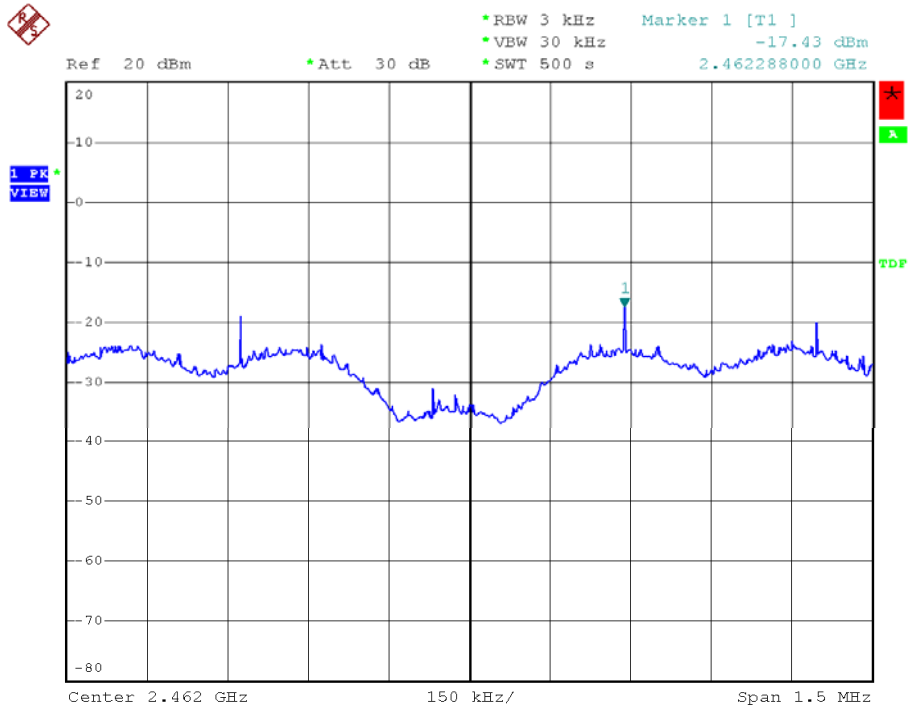
Modulation Standard: 802.11n HT20 (130Mbps), TX0
Channel: 06



Date: 5.NOV.2008 17:15:00

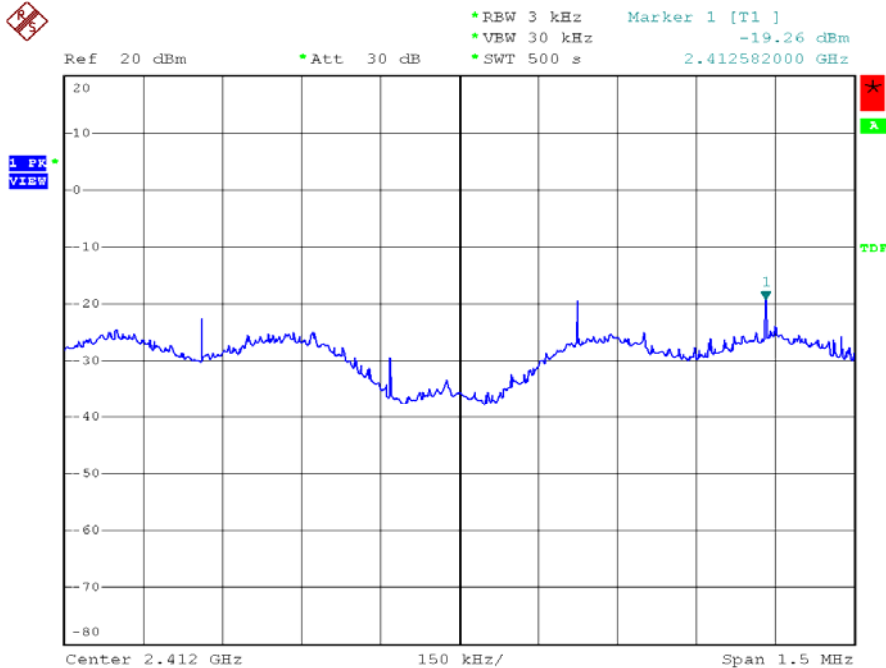


Modulation Standard: 802.11n HT20 (130Mbps), TX0
Channel: 11



Date: 5.NOV.2008 17:35:40

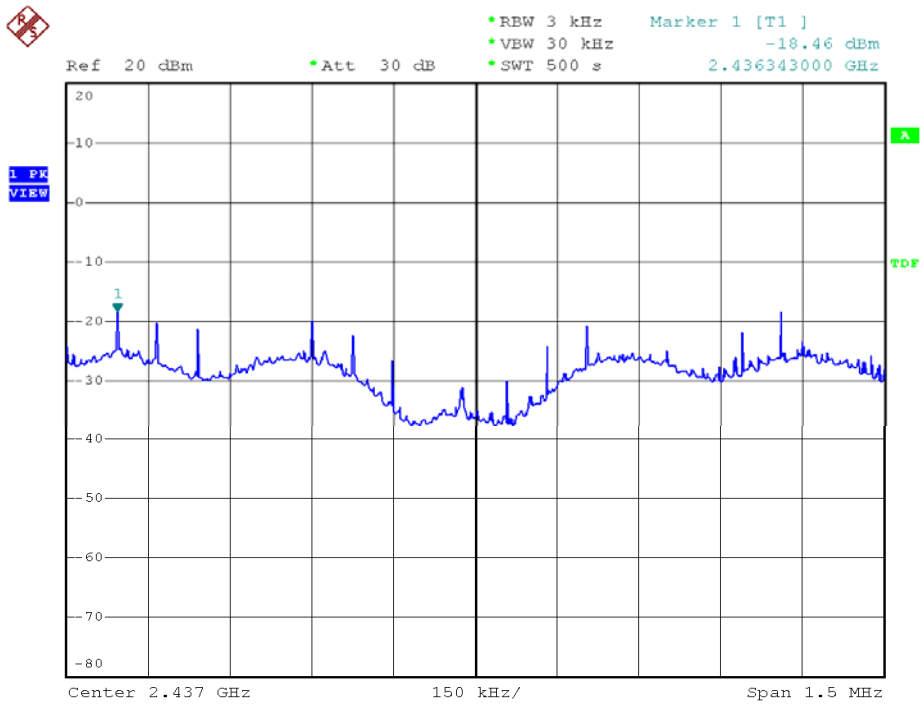
Modulation Standard: 802.11n HT20 (130Mbps), TX1
Channel: 01



Date: 5.NOV.2008 16:19:23

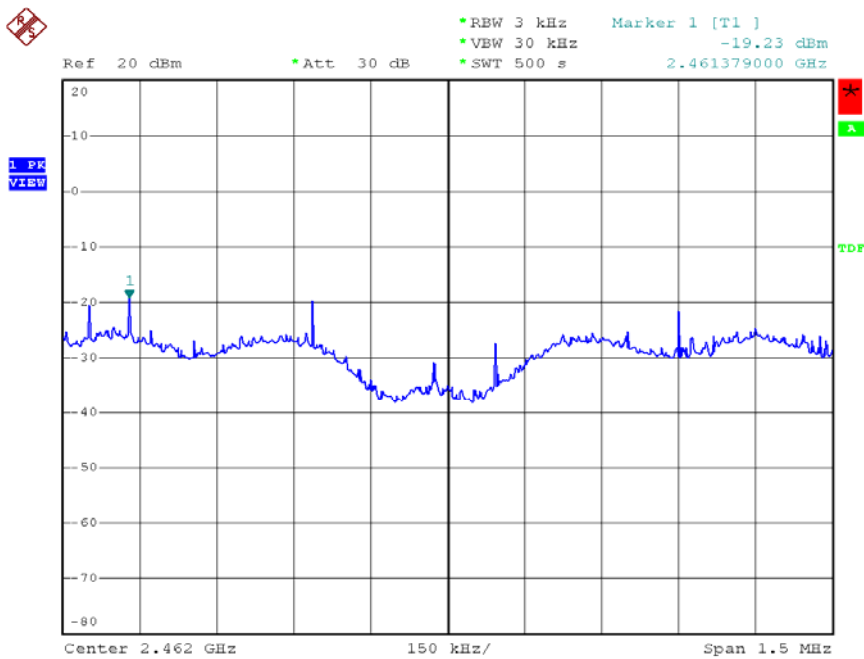


Modulation Standard: 802.11n HT20 (130Mbps), TX1
Channel: 06



Date: 5.NOV.2008 16:52:55

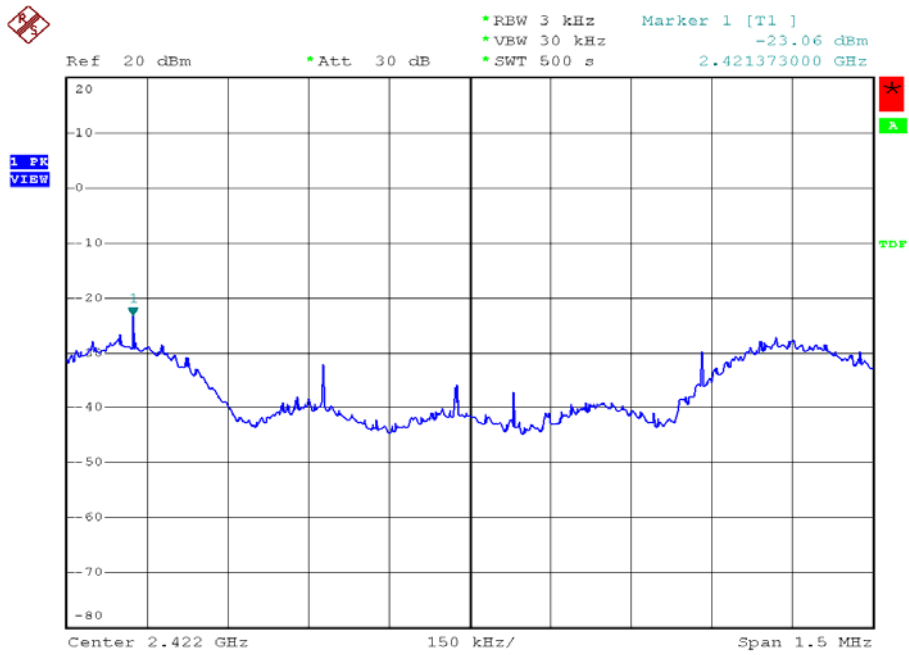
Modulation Standard: 802.11n HT20 (130Mbps), TX1
Channel: 11



Date: 5.NOV.2008 17:55:21

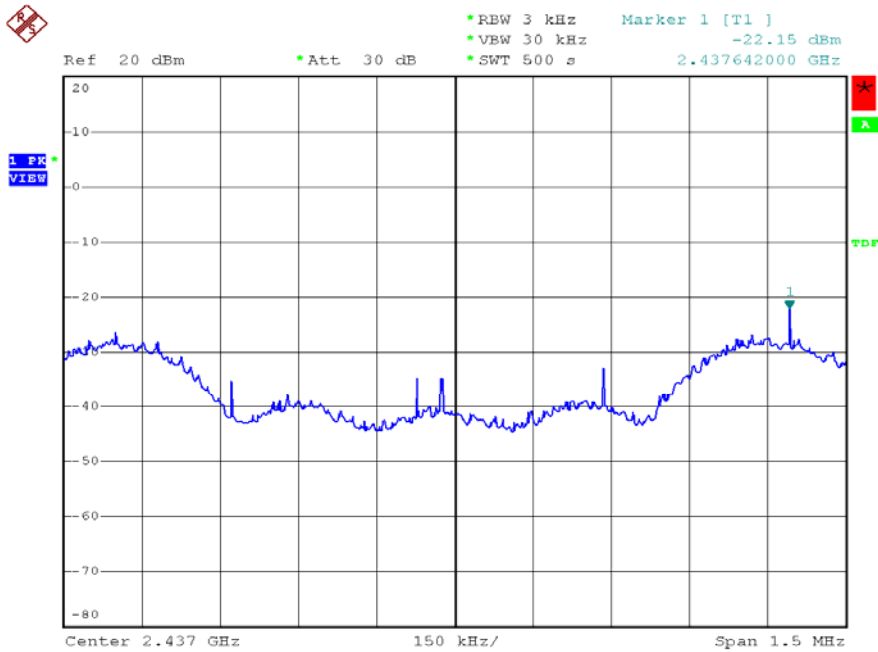


Modulation Standard: 802.11n HT40 (300Mbps), TX0
Channel: 03



Date: 5.NOV.2008 18:39:38

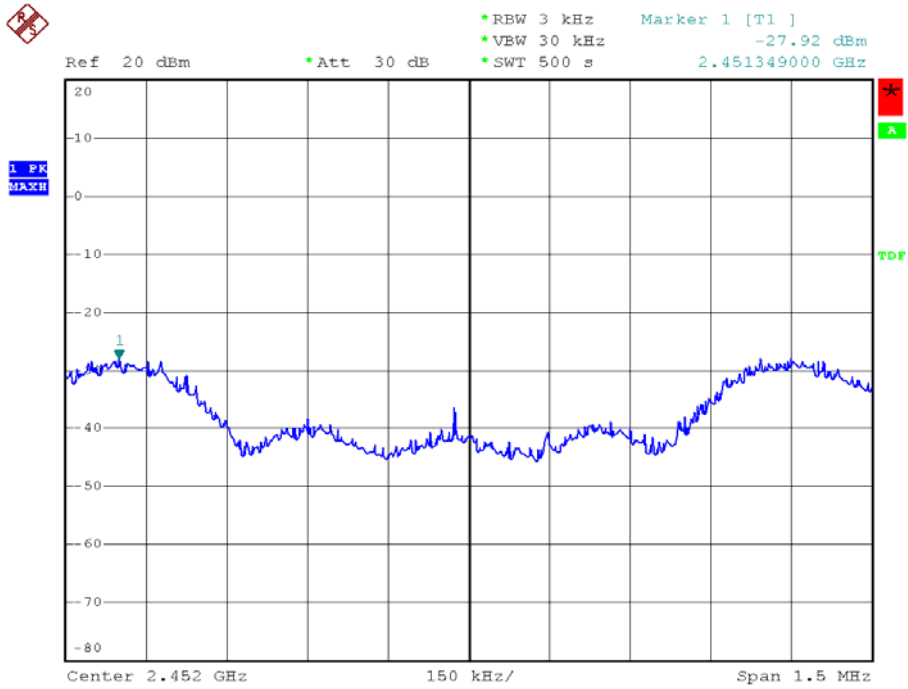
Modulation Standard: 802.11n HT40 (300Mbps), TX0
Channel: 06



Date: 5.NOV.2008 18:59:19

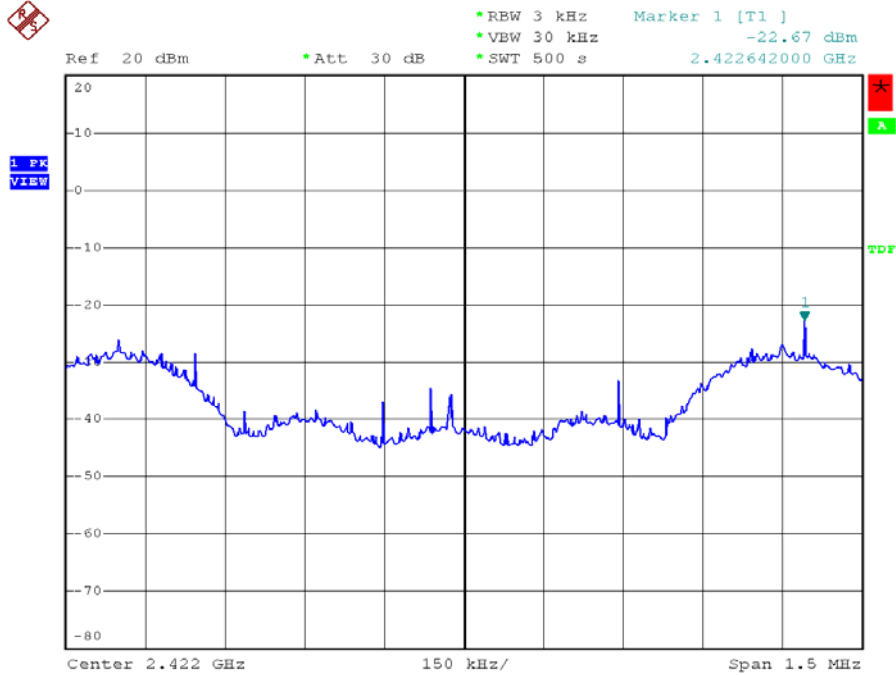


Modulation Standard: 802.11n HT40 (300Mbps), TX0
Channel: 09



Date: 5.NOV.2008 19:27:07

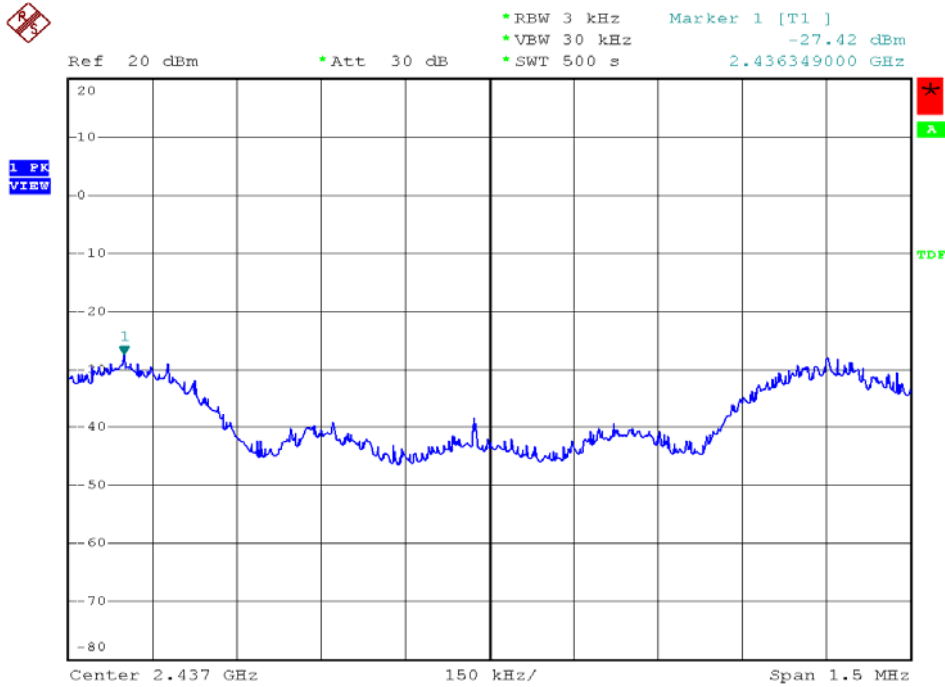
Modulation Standard: 802.11n HT40 (300Mbps), TX1
Channel: 03



Date: 5.NOV.2008 18:21:37

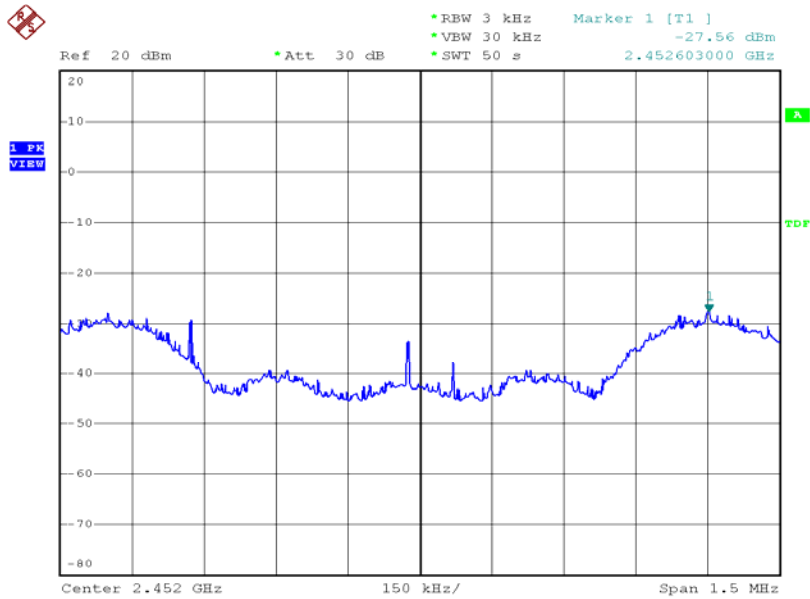


Modulation Standard: 802.11n HT40 (300Mbps), TX1
Channel: 06



Date: 5.NOV.2008 19:13:54

Modulation Standard: 802.11n HT40 (300Mbps), TX1
Channel: 09



Date: 5.NOV.2008 19:23:33



10. 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

10.1 Labeling Requirement

The device shall bear the following statement in a conspicuous location on the device:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.