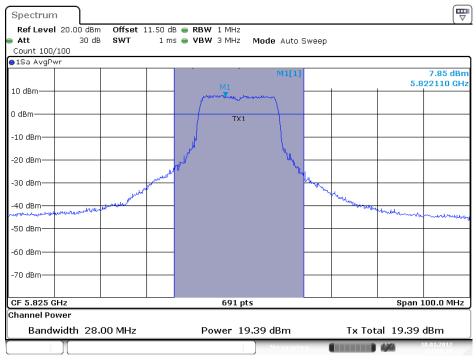


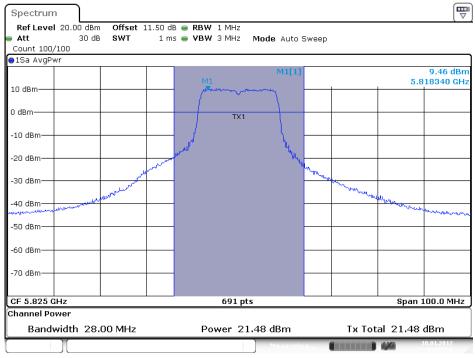


Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 1 / 5825 MHz/ Mode 9 (2TX, 2RX)



Date: 10.JAN.2012 03:59:30

Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5825 MHz/ Mode 9 (2TX, 2RX)



Date: 10.JAN.2012 03:57:56

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Temperature	25 ℃	Humidity	57%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n
Test Date	Feb. 03, 2012	Test Mode	Mode 10

Configuration IEEE 802.11n MCS0 20MHz / Chain 2 (1TX, 2RX)

•	· · · · · · · · · · · · · · · · · · ·				
Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result	
1	2412 MHz	12.48	25.10	Complies	
6	2437 MHz	14.87	25.10	Complies	
11	2462 MHz	11.17	25.10	Complies	

Configuration IEEE 802.11n MCS0 40MHz / Chain 2 (1TX, 2RX)

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
3	2422 MHz	9.03	25.10	Complies
6	2437 MHz	13.38	25.10	Complies
9	2452 MHz	8.27	25.10	Complies

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Temperature	25 ℃	Humidity	57%
Test Engineer	Benson Peng	Configurations	IEEE 802.11 b/g
Test Date	Feb. 03, 2012	Test Mode	Mode 10

Configuration IEEE 802.11b / Chain 2 (1TX, 2RX)

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
1	2412 MHz	17.83	25.10	Complies
6	2437 MHz	20.04	25.10	Complies
11	2462 MHz	16.38	25.10	Complies

Configuration IEEE 802.11g / Chain 2 (1TX, 2RX)

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
1	2412 MHz	13.13	25.10	Complies
6	2437 MHz	14.19	25.10	Complies
11	2462 MHz	11.80	25.10	Complies

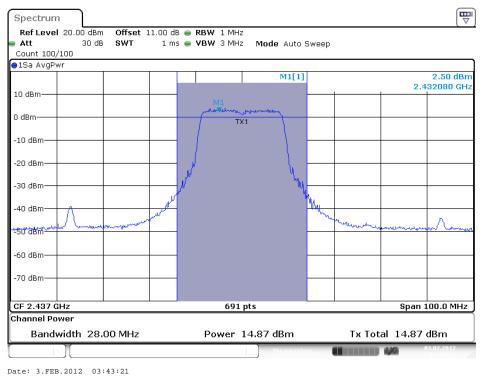
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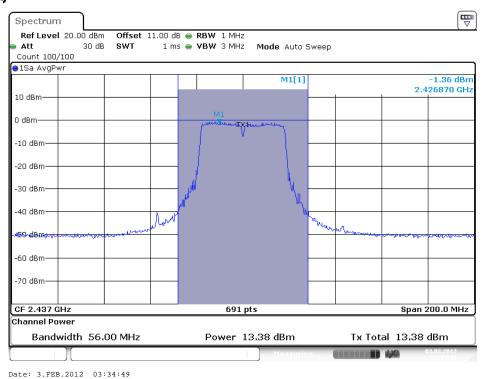




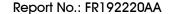
Conducted Output Power Plot on Configuration IEEE 802.11n MCS0 20MHz / 2437 MHz/ Chain 2 / Mode 10 (1TX, 2RX)



Conducted Output Power Plot on Configuration IEEE 802.11n MCS0 40MHz / 2437 MHz/ Chain 2/ Mode 10 (1TX, 2RX)

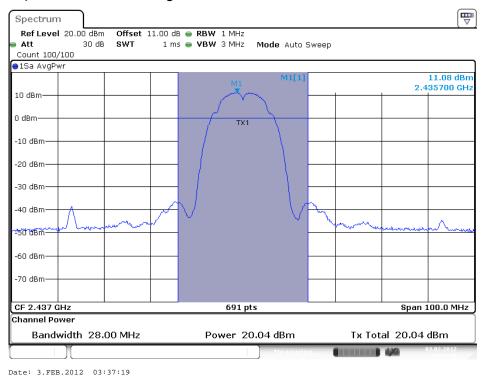


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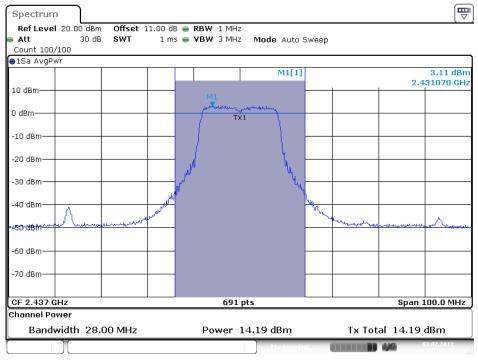




Conducted Output Power Plot on Configuration IEEE 802.11b / Chain 2 / 2437 MHz/ Mode 10 (1TX, 2RX)



Conducted Output Power Plot on Configuration IEEE 802.11g / Chain 2 / 2437 MHz/ Mode 10 (1TX, 2RX)



Date: 3.FEB.2012 03:40:49

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Temperature	25 ℃	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n
Test Date	Feb. 08, 2012	Test Mode	Mode 11

Configuration IEEE 802.11n MCS0 20MHz / Chain 1 (1TX, 2RX)

· · · · · · · · · · · · · · · · · · ·				
Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
1	2412 MHz	14.80	25.10	Complies
6	2437 MHz	15.00	25.10	Complies
11	2462 MHz	12.07	25.10	Complies

Configuration IEEE 802.11n MCS0 40MHz / Chain 1(1TX, 2RX)

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
3	2422 MHz	8.27	25.10	Complies
6	2437 MHz	15.19	25.10	Complies
9	2452 MHz	9.05	25.10	Complies

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Temperature	25 ℃	Humidity	56%
Test Engineer	Satoshi Yang	Configurations	IEEE 802.11b/g
Test Date	Feb. 08, 2012	Test Mode	Mode 11

Configuration IEEE 802.11b / Chain 1 (1TX, 2RX)

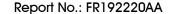
Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
1	2412 MHz	18.65	25.10	Complies
6	2437 MHz	17.39	25.10	Complies
11	2462 MHz	17.36	25.10	Complies

Configuration IEEE 802.11g / Chain 1 (1TX, 2RX)

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
1	2412 MHz	15.21	25.10	Complies
6	2437 MHz	14.15	25.10	Complies
11	2462 MHz	12.21	25.10	Complies

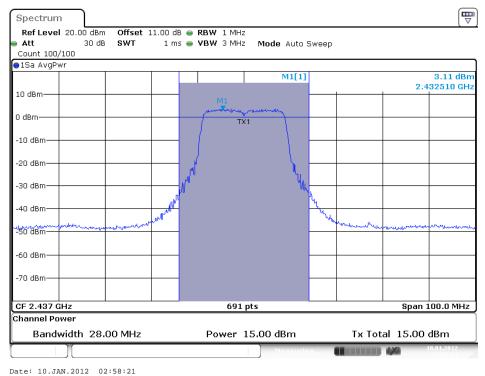
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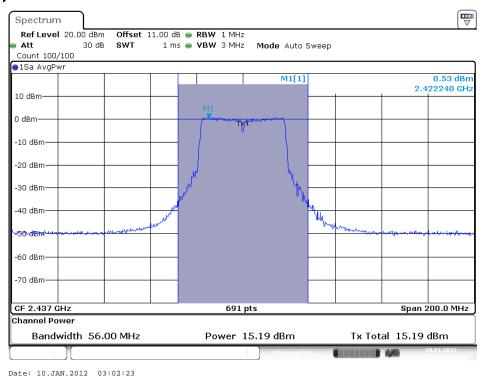




Conducted Output Power Plot on Configuration IEEE 802.11n MCS0 20MHz / 2437 MHz/ Chain 1 / Mode 11 (1TX, 2RX)

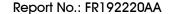


Conducted Output Power Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 2437 MHz / Mode 11 (1TX, 2RX)



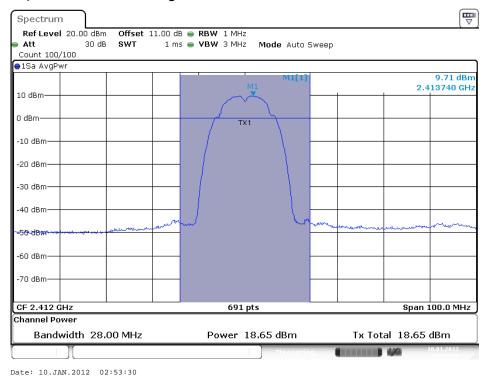
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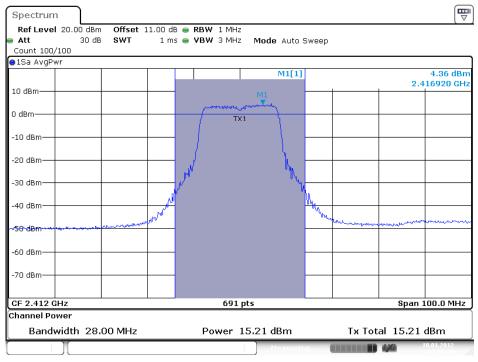




Conducted Output Power Plot on Configuration IEEE 802.11b / Chain 1 / 2412 MHz/ Mode 11 (1TX, 2RX)



Conducted Output Power Plot on Configuration IEEE 802.11g / Chain 1 / 2412 MHz/ Mode 11 (1TX, 2RX)



Date: 10.JAN.2012 02:56:44

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Temperature	25 ℃	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n
Test Date	Feb. 08, 2012	Test Mode	Mode 12

Configuration IEEE 802.11n MCS0 20MHz / Chain 1 (1TX, 2RX)

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
149	5745 MHz	17.52	23.50	Complies
157	5785 MHz	21.98	23.50	Complies
165	5825 MHz	22.30	23.50	Complies

Configuration IEEE 802.11n MCS0 40MHz / Chain 1(1TX, 2RX)

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
151	5755 MHz	17.50	23.50	Complies
159	5795 MHz	21.98	23.50	Complies

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Temperature	25 ℃	Humidity	56%
Test Engineer	Satoshi Yang	Configurations	IEEE 802.11a
Test Date	Feb. 08, 2012	Test Mode	Mode 12

Configuration IEEE 802.11a / Chain 1 (1TX, 2RX)

Channel	Frequency	Conducted Peak Power (dBm)	Max. Limit (dBm)	Result
149	5745 MHz	19.71	23.50	Complies
157	5785 MHz	21.89	23.50	Complies
165	5825 MHz	21.97	23.50	Complies

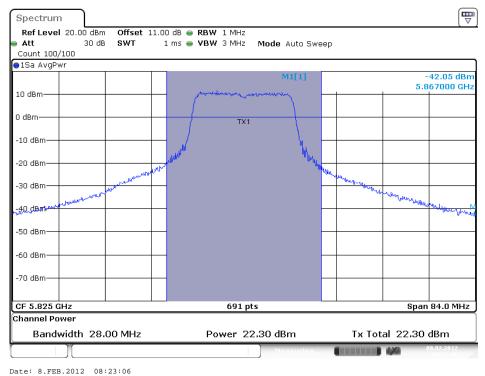
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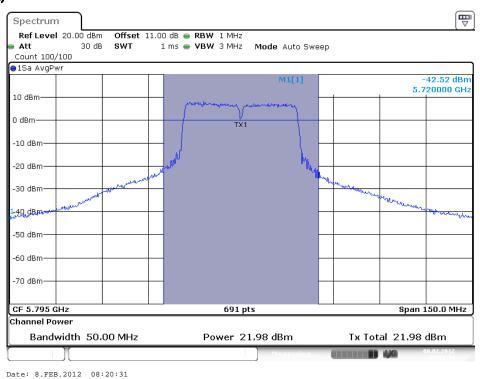




Conducted Output Power Plot on Configuration IEEE 802.11n MCS0 20MHz / 5825 MHz/ Chain 1 / Mode 12 (1TX, 2RX)



Conducted Output Power Plot on Configuration IEEE 802.11n MCS0 40MHz / 5795 MHz/ Chain 1 / Mode 12 (1TX, 2RX)

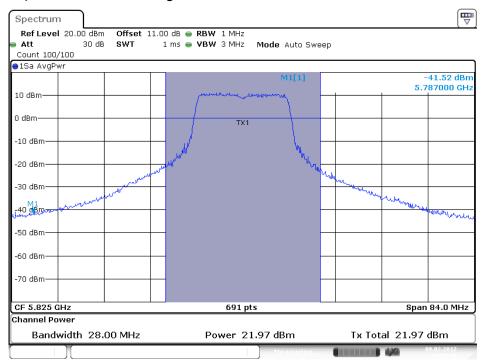


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Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 1 / 5825 MHz/ Mode 12 (1TX, 2RX)



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Temperature	25 ℃	Humidity	57%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n
Test Date	Jan. 18, 2012	Test Mode	Mode 13

Configuration IEEE 802.11n MCS0 20MHz / Chain 2 (1TX, 2RX)

•	·				
Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result	
1	2412 MHz	16.51	24.90	Complies	
6	2437 MHz	21.26	24.90	Complies	
11	2462 MHz	15.15	24.90	Complies	

Configuration IEEE 802.11n MCS0 40MHz / Chain 2 (1TX, 2RX)

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
3	2422 MHz	13.71	24.90	Complies
6	2437 MHz	18.24	24.90	Complies
9	2452 MHz	12.80	24.90	Complies

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Temperature	25 ℃	Humidity	57%
Test Engineer	Benson Peng	Configurations	IEEE 802.11 b/g
Test Date	Jan. 18, 2012	Test Mode	Mode 13

Configuration IEEE 802.11b / Chain 2 (1TX, 2RX)

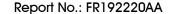
Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
1	2412 MHz	20.97	24.90	Complies
6	2437 MHz	22.79	24.90	Complies
11	2462 MHz	18.90	24.90	Complies

Configuration IEEE 802.11g / Chain 2 (1TX, 2RX)

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
1	2412 MHz	17.09	24.90	Complies
6	2437 MHz	21.76	24.90	Complies
11	2462 MHz	16.40	24.90	Complies

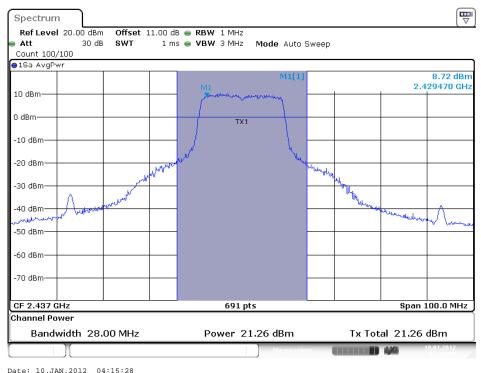
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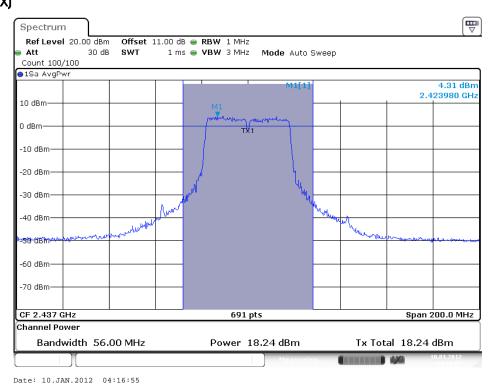




Conducted Output Power Plot on Configuration IEEE 802.11n MCS0 20MHz / 2437 MHz/ Chain 2 / Mode 13 (1TX, 2RX)

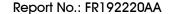


Conducted Output Power Plot on Configuration IEEE 802.11n MCS0 40MHz / 2437 MHz/ Chain 2/ Mode 13 (1TX, 2RX)



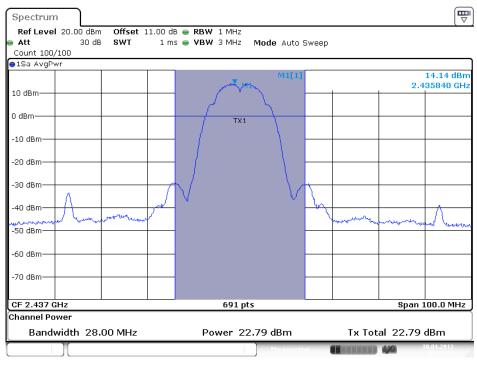
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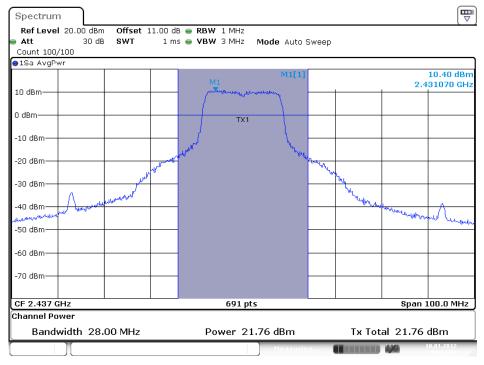


Conducted Output Power Plot on Configuration IEEE 802.11b / Chain 2 / 2437 MHz/ Mode 13 (1TX, 2RX)



Date: 10.JAN.2012 04:13:09

Conducted Output Power Plot on Configuration IEEE 802.11g / Chain 2 / 2437 MHz/ Mode 13 (1TX, 2RX)



Date: 10.JAN.2012 04:14:10

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Temperature	25 ℃	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n
Test Date	Feb. 08, 2012	Test Mode	Mode 14

Configuration IEEE 802.11n MCS0 20MHz / Chain 1 (1TX, 2RX)

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
1	2412 MHz	15.54	24.90	Complies
6	2437 MHz	18.22	24.90	Complies
11	2462 MHz	14.88	24.90	Complies

Configuration IEEE 802.11n MCS0 40MHz / Chain 1(1TX, 2RX)

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
3	2422 MHz	11.13	24.90	Complies
6	2437 MHz	16.67	24.90	Complies
9	2452 MHz	10.43	24.90	Complies

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Temperature	25 ℃	Humidity	56%
Test Engineer	Satoshi Yang	Configurations	IEEE 802.11b/g
Test Date	Feb. 08, 2012	Test Mode	Mode 14

Configuration IEEE 802.11b / Chain 1 (1TX, 2RX)

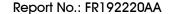
Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
1	2412 MHz	20.54	24.90	Complies
6	2437 MHz	18.25	24.90	Complies
11	2462 MHz	18.52	24.90	Complies

Configuration IEEE 802.11g / Chain 1 (1TX, 2RX)

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
1	2412 MHz	15.59	24.90	Complies
6	2437 MHz	15.93	24.90	Complies
11	2462 MHz	14.62	24.90	Complies

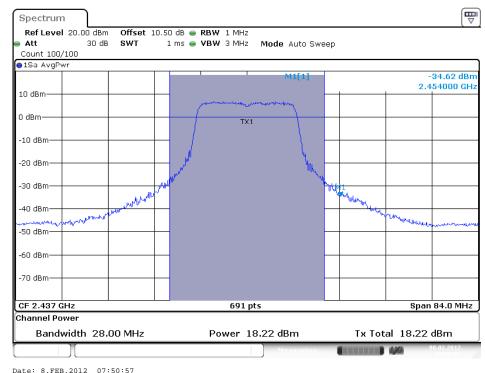
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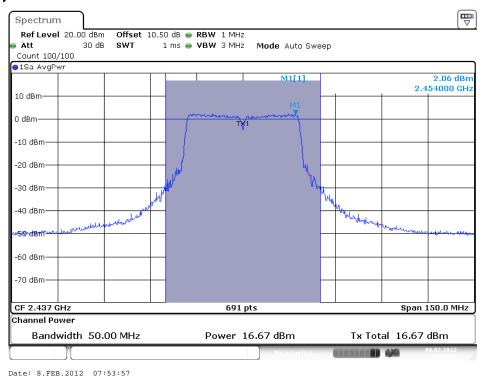




Conducted Output Power Plot on Configuration IEEE 802.11n MCS0 20MHz / 2437 MHz/ Chain 1 / Mode 14 (1TX, 2RX)

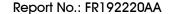


Conducted Output Power Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 2437 MHz / Mode 14 (1TX, 2RX)



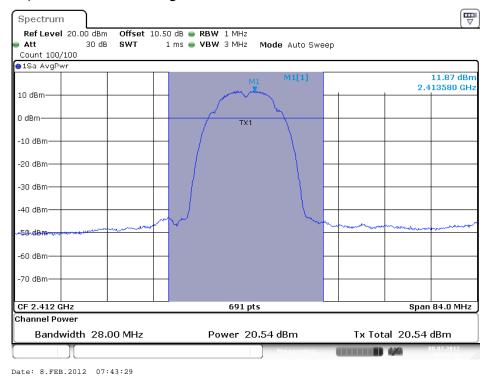
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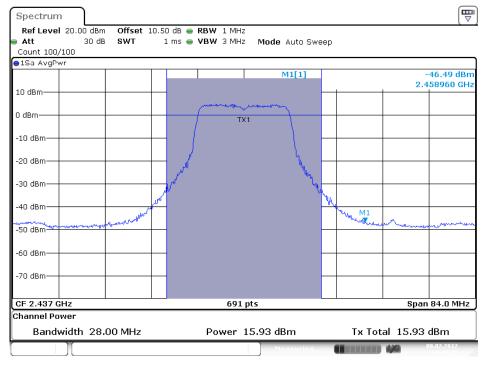




Conducted Output Power Plot on Configuration IEEE 802.11b / Chain 1 / 2412 MHz/ Mode 14 (1TX, 2RX)



Conducted Output Power Plot on Configuration IEEE 802.11g / Chain 1 / 2437 MHz/ Mode 14 (1TX, 2RX)



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Temperature	25 ℃	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n
Test Date	Feb. 08, 2012	Test Mode	Mode 15

Configuration IEEE 802.11n MCS0 20MHz / Chain 1 (1TX, 2RX)

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
149	5745 MHz	21.70	25.00	Complies
157	5785 MHz	21.89	25.00	Complies
165	5825 MHz	22.30	25.00	Complies

Configuration IEEE 802.11n MCS0 40MHz / Chain 1(1TX, 2RX)

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
151	5755 MHz	22.09	25.00	Complies
159	5795 MHz	21.98	25.00	Complies

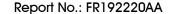
Temperature	25 ℃	Humidity	56%
Test Engineer	Satoshi Yang	Configurations	IEEE 802.11a
Test Date	Feb. 08, 2012	Test Mode	Mode 15

Configuration IEEE 802.11a / Chain 1 (1TX, 2RX)

Channel	Frequency	Conducted Peak Power (dBm)	Max. Limit (dBm)	Result
149	5745 MHz	21.98	25.00	Complies
157	5785 MHz	21.89	25.00	Complies
165	5825 MHz	21.97	25.00	Complies

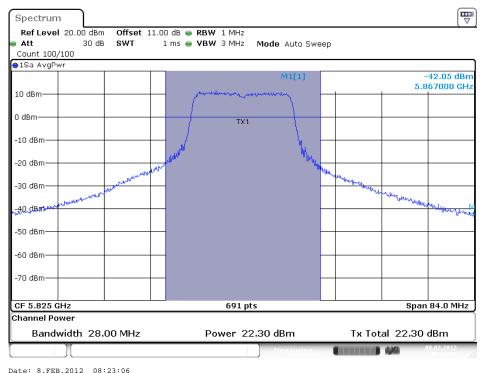
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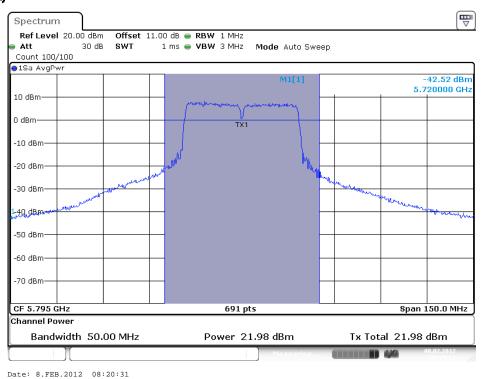




Conducted Output Power Plot on Configuration IEEE 802.11n MCS0 20MHz / 5825 MHz/ Chain 1 / Mode 15 (1TX, 2RX)



Conducted Output Power Plot on Configuration IEEE 802.11n MCS0 40MHz / 5795 MHz/ Chain 1 / Mode 15 (1TX, 2RX)

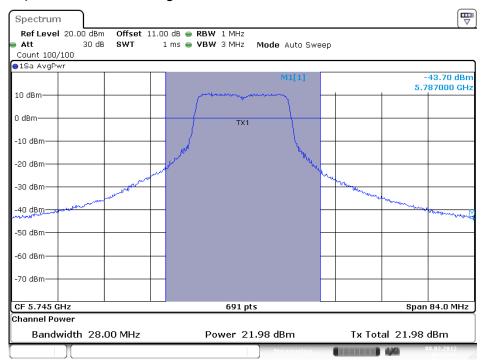


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Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 1 / 5745 MHz/ Mode 15 (1TX, 2RX)



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4.3. Power Spectral Density Measurement

4.3.1. Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission.

4.3.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	30 kHz
RB	3 kHz
VB	30 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	10s

4.3.3. Test Procedures

- 1. The transmitter output (antenna port) was connected to the spectrum analyzer.
- 2. Set RBW of spectrum analyzer to 3kHz and VBW to 30kHz. Set Detector to Peak, Trace to Max Hold.
- 3. Mark the frequency with maximum peak power as the center of the display of the spectrum.
- 4. Set the span to 30kHz and the sweep time to 10s and record the maximum peak value.
- 5. When measuring power spectral density with multiple antenna systems, add every result of the values by mathematic formula.

4.3.4. Test Setup Layout



4.3.5. Test Deviation

There is no deviation with the original standard.

4.3.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

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4.3.7. Test Result of Power Spectral Density

Temperature	25℃	Humidity	57%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n
Test Date	Jan. 17, 2012	Test Mode	Mode 1

Configuration IEEE 802.11n MCS0 20MHz (2TX, 2RX)

Channel Fraguency		Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Result
Channel Frequency	Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Kesuii	
1	2412 MHz	-11.23	-11.61	-8.41	7.14	Complies
6	2437 MHz	-0.47	-1.93	1.87	7.14	Complies
11	2462 MHz	-11.26	-11.56	-8.40	7.14	Complies

NOTE: Directional gain = +/2=6.86dBi > 6dBi, so the power density limit =8-(6.86-6)=7.14dBm.

Configuration IEEE 802.11n MCS0 40MHz (2TX, 2RX)

Channel Fraguency		Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Result
Channel Frequency	Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Kesuii	
3	2422 MHz	-14.11	-16.45	-12.11	7.14	Complies
6	2437 MHz	-11.56	-10.81	-8.16	7.14	Complies
9	2452 MHz	-13.13	-14.40	-10.71	7.14	Complies

NOTE: Directional gain = +/2=6.86dBi > 6dBi, so the power density limit =8-(6.86-6)=7.14dBm.

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Temperature	25 ℃	Humidity	57%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a/b/g
Test Date	Jan. 17, 2012	Test Mode	Mode 1

Configuration IEEE 802.11b / Chain 2 (1TX, 2RX)

_		•		
Channel	Frequency	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
1	2412 MHz	-3.43	8.00	Complies
6	2437 MHz	0.83	8.00	Complies
11	2462 MHz	-3.90	8.00	Complies

Configuration IEEE 802.11g / Chain 1+ Chain 2 (2TX, 2RX)

Channel	Eroguenev	Power Density (dBm/3kHz)		Total Power	Max. Limit	Dogult
Channel	Channel Frequency		Chain 2	Density (dBm/3kHz)	(dBm/3kHz)	Result
1	2412 MHz	-8.25	-9.47	-5.81	7.14	Complies
6	2437 MHz	-0.91	0.29	2.74	7.14	Complies
11	2462 MHz	-9.38	-9.89	-6.62	7.14	Complies

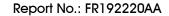
NOTE: Directional gain = +/2=6.86dBi > 6dBi, so the power density limit =8-(6.86-6)=7.14dBm.

NOTE: All the test values were listed in the report.

For plots, only the channel with maximum results was shown.

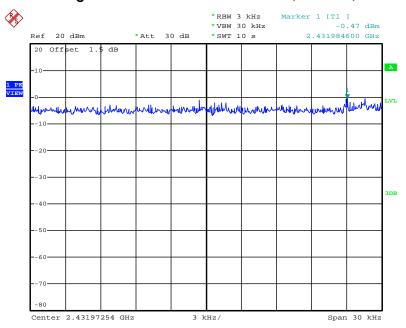
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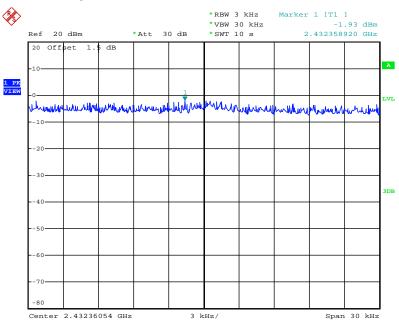


Power Density Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 2437 MHz / Mode 1



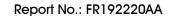
Date: 17.JAN.2012 12:37:41

Power Density Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 2 / 2437 MHz / Mode 1



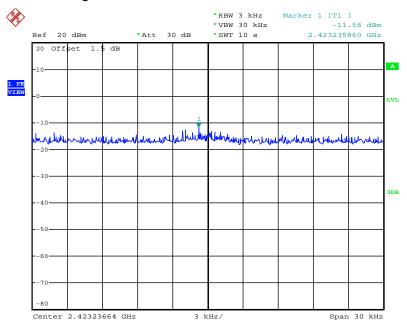
Date: 17.JAN.2012 12:45:35

Report Format Version: 01 Page No. : 114 of 620 FCC ID: UZ7AP0622 Issued Date : Mar. 07, 2012



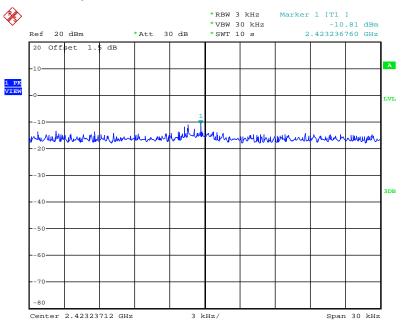


Power Density Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 2437 MHz / Mode 1



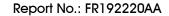
Date: 17.JAN.2012 12:31:44

Power Density Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 2 / 2437 MHz / Mode 1



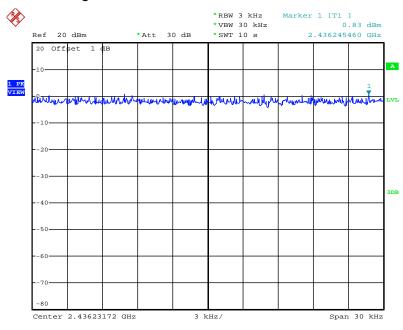
Date: 17.JAN.2012 12:51:20

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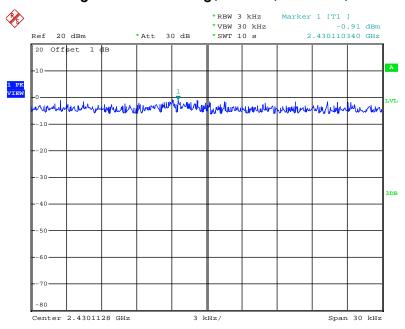


Power Density Plot on Configuration IEEE 802.11b / Chain 2 / 2437 MHz / Mode 1



Date: 8.DEC.2011 21:43:31

Power Density Plot on Configuration IEEE 802.11g / Chain 1 / 2437 MHz / Mode 1

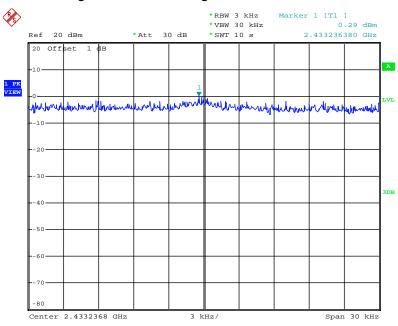


Date: 9.JAN.2012 17:38:04

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Power Density Plot on Configuration IEEE 802.11g/ Chain 2 / 2437 MHz / Mode 1 $^{\circ}$



Date: 9.JAN.2012 17:36:26



Temperature	25 ℃	Humidity	57%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n
Test Date	Jan. 17, 2012	Test Mode	Mode 2

Configuration IEEE 802.11n MCS0 20MHz (2TX, 2RX)

Channel Fraguency		Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Result
Channel Frequency	riequency	Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Kesuii
1	2412 MHz	-7.36	-6.73	-4.02	6.73	Complies
6	2437 MHz	-1.83	-2.16	1.02	6.73	Complies
11	2462 MHz	-6.53	-8.12	-4.24	6.73	Complies

NOTE: Directional gain = +/2=7.27dBi > 6dBi, so the power density limit =8-(7.27-6)=6.73dBm.

Configuration IEEE 802.11n MCS0 40MHz (2TX, 2RX)

Channel Frequency		Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Dogult
		Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Result
3	2422 MHz	-11.35	-11.22	-8.27	6.73	Complies
6	2437 MHz	-6.47	-6.56	-3.50	6.73	Complies
9	2452 MHz	-13.65	-11.83	-9.64	6.73	Complies

NOTE: Directional gain = +/2=7.27dBi > 6dBi, so the power density limit =8-(7.27-6)=6.73dBm.

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Temperature	25 ℃	Humidity	57%
Test Engineer	Sean Ku	Configurations	IEEE 802.11b/g
Test Date	Jan. 17, 2012	Test Mode	Mode 2

Configuration IEEE 802.11b / Chain 1 (1TX, 2RX)

Channel	Frequency	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
1	2412 MHz	-1.80	8.00	Complies
6	2437 MHz	-2.47	8.00	Complies
11	2462 MHz	-1.26	8.00	Complies

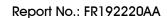
Configuration IEEE 802.11g / Chain 1+ Chain 2 (2TX, 2RX)

Channel	Fraguera.	Power Density (dBm/3kHz)		Total Power	Max. Limit	Doord
Channel	Frequency	Chain 1	Chain 2	Density (dBm/3kHz)	(dBm/3kHz)	Result
1	2412 MHz	-8.16	-6.84	-4.44	6.73	Complies
6	2437 MHz	-2.15	-1.21	1.36	6.73	Complies
11	2462 MHz	-4.86	-4.55	-1.69	6.73	Complies

NOTE: Directional gain = +/2=7.27dBi > 6dBi, so the power density limit = 8-(7.27-6)=6.73dBm.

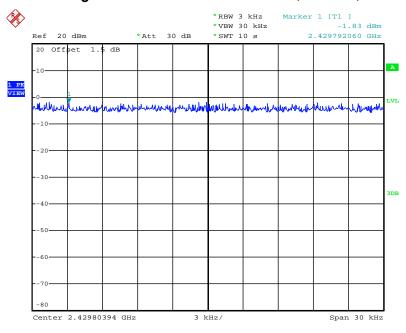
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 Issued Date : Mar. 07, 2012



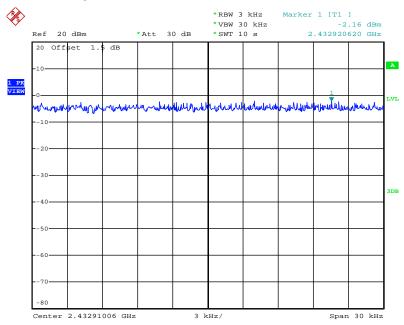


Power Density Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 2437 MHz / Mode 2 (2TX, 2RX)



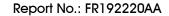
Date: 17.JAN.2012 11:39:39

Power Density Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 2 / 2437 MHz / Mode 2 (2TX, 2RX)



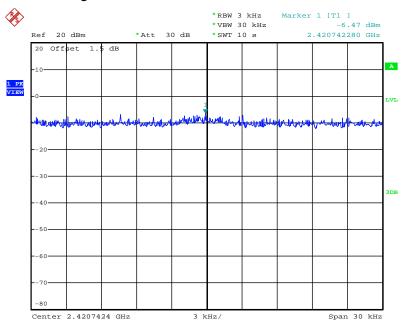
Date: 17.JAN.2012 12:00:04

Report Format Version: 01 Page No. : 120 of 620 FCC ID: UZ7AP0622 Issued Date : Mar. 07, 2012



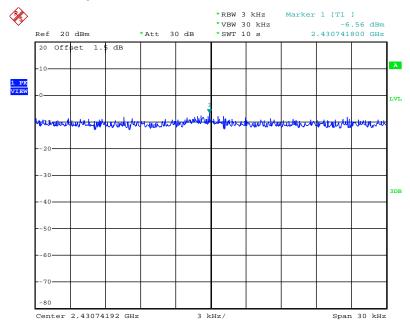


Power Density Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 2437 MHz / Mode 2 (2TX, 2RX)



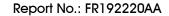
Date: 17.JAN.2012 11:45:26

Power Density Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 2 / 2437 MHz / Mode 2 (2TX, 2RX)



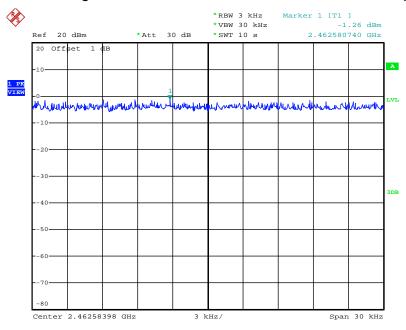
Date: 17.JAN.2012 11:52:37

Report Format Version: 01 Page No. : 121 of 620 FCC ID: UZ7AP0622 Issued Date : Mar. 07, 2012



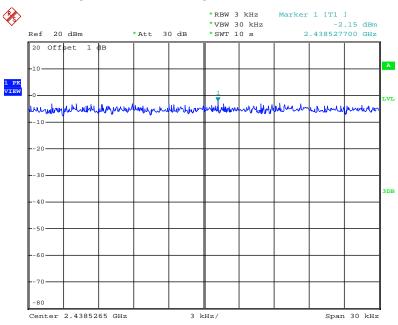


Power Density Plot on Configuration IEEE 802.11b/ Chain 1 / 2462 MHz / Mode 2 (1TX, 2RX)



Date: 9.DEC.2011 11:17:01

Power Density Plot on Configuration IEEE 802.11g/ Chain 1 / 2737 MHz / Mode 2 (2TX, 2RX)

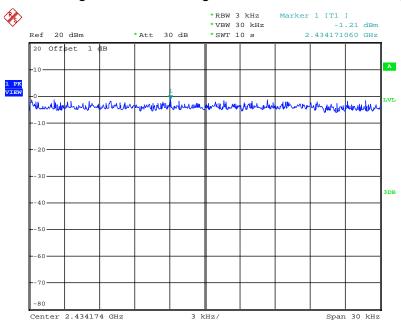


Date: 9.JAN.2012 19:39:38

Report Format Version: 01 Page No. : 122 of 620 FCC ID: UZ7AP0622 Issued Date : Mar. 07, 2012



Power Density Plot on Configuration IEEE 802.11g/ Chain 2 / 2437 MHz / Mode 2 (2TX, 2RX)



Date: 9.JAN.2012 19:37:39



Temperature	25 ℃	Humidity	57%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n
Test Date	Jan. 17, 2012	Test Mode	Mode 3

E 802.11n MCS0 20MHz (2TX, 2RX)

Channel	Fraguenav	Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Result
Channel	Frequency	Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Resuli
149	5745 MHz	-6.55	-7.66	-4.06	4.42	Complies
157	5785 MHz	-6.31	-7.91	-4.03	4.42	Complies
165	5825 MHz	-6.99	-7.09	-4.03	4.42	Complies

NOTE: Directional gain = +/2=9.58dBi > 6dBi, so the power density limit =8-(9.58-6)=4.42dBm.

Configuration IEEE 802.11n MCS0 40MHz (2TX, 2RX)

Channel	Power Density (dBm/		y (dBm/3kHz)	Total Power Density	Max. Limit	Result
Channel	Frequency	Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Kesuii
151	5755 MHz	-9.31	-8.56	-5.91	4.42	Complies
159	5795 MHz	-10.85	-8.26	-6.35	4.42	Complies

NOTE: Directional gain = +/2=9.58dBi > 6dBi, so the power density limit =8-(9.58-6)=4.42dBm.

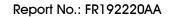
Temperature	25°C	Humidity	57%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a
Test Date	Jan. 17, 2012	Test Mode	Mode 3

Configuration IEEE 802.11a / Chain 1+ Chain 2 (2TX, 2RX)

Channel Frequency	Eroguepov	Power Density (dBm/3kHz)		Total Power	Max. Limit	Result
	riequency	Chain 1	Chain 2	Density (dBm/3kHz)	(dBm/3kHz)	Resuli
149	5745 MHz	-2.96	-3.02	0.02	4.42	Complies
157	5785 MHz	-4.23	-2.06	0.00	4.42	Complies
165	5825 MHz	-3.22	-3.50	-0.35	4.42	Complies

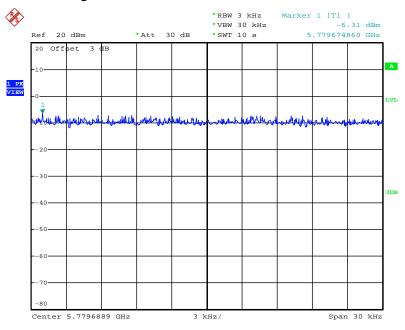
NOTE: Directional gain = +/2=9.58dBi > 6dBi, so the power density limit =8-(9.58-6)=4.42dBm.

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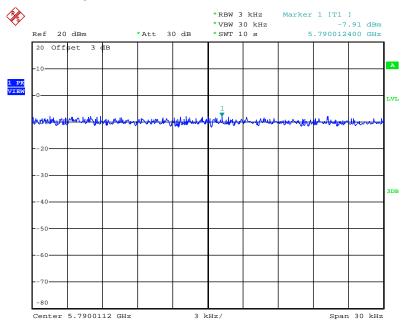


Power Density Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 5785 MHz / Mode 3 (2TX, 2RX)



Date: 18.JAN.2012 11:24:37

Power Density Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 2 / 5785 MHz / Mode 3 (2TX, 2RX)



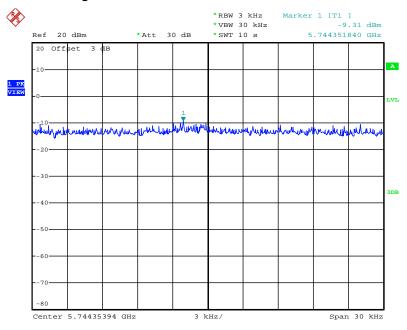
Date: 18.JAN.2012 11:30:26

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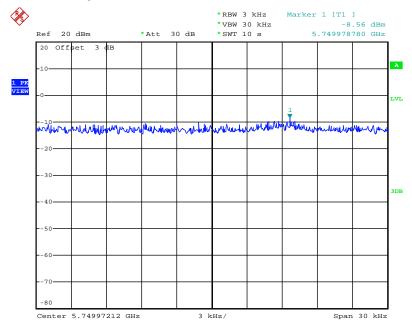


Power Density Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 5755 MHz / Mode 3 (2TX, 2RX)



Date: 18.JAN.2012 11:43:38

Power Density Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 2 / 5755 MHz / Mode 3 (2TX, 2RX)



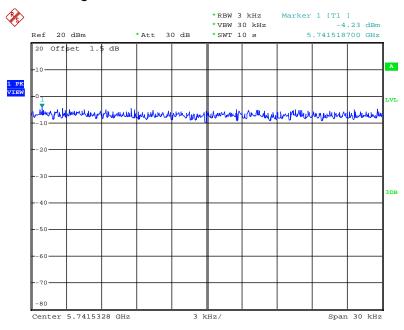
Date: 18.JAN.2012 11:37:59

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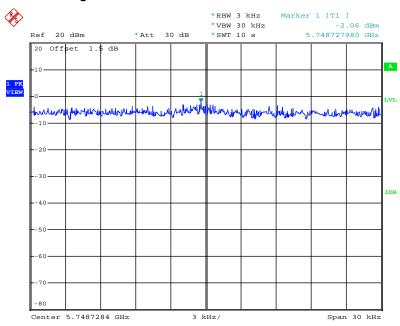


Power Density Plot on Configuration IEEE 802.11a / Chain 1 / 5785 MHz / Mode 3 (2TX, 2RX)



Date: 9.JAN.2012 21:27:50

Power Density Plot on Configuration IEEE 802.11a / Chain 2 / 5785 MHz / Mode 3 (2TX, 2RX)



Date: 9.JAN.2012 21:26:49

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Temperature	25 ℃	Humidity	56%
Test Engineer	Allen Liu	Configurations	IEEE 802.11n
Test Date	Feb. 01, 2012	Test Mode	Mode 4

Configuration IEEE 802.11n MCS0 20MHz (2TX, 2RX)

Channel	Eroguenov	Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Result
Charlie	Frequency	Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Kesuii
1	2412 MHz	-10.44	-11.55	-7.95	2.49	Complies
6	2437 MHz	-4.04	-4.75	-1.37	2.49	Complies
11	2462 MHz	-12.20	-11.90	-9.04	2.49	Complies

NOTE: Directional gain = 8.5 dBi + 10log(2) = 10.51 dBi > 6 dBi, so the Power Spectral Density limit = 8-(10.51-6) = 2.49 dBm.

Configuration IEEE 802.11n MCS0 40MHz (2TX, 2RX)

Channel	Eroguenov	Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Result
Charlie	Frequency	Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Result
3	2422 MHz	-17.17	-17.52	-14.33	2.49	Complies
6	2437 MHz	-14.44	-14.94	-11.67	2.49	Complies
9	2452 MHz	-18.86	-18.81	-15.82	2.49	Complies

NOTE: Directional gain = 8.5dBi + 10log(2)=10.51dBi > 6dBi , so the Power Spectral Density limit = 8-(10.51-6)=2.49dBm.

Configuration IEEE 802.11n MCS8 20MHz (2TX, 2RX)

Channel	Eroguenov	Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Result
Charine	Frequency	Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Resuli
1	2412 MHz	-8.25	-10.29	-6.14	5.50	Complies
6	2437 MHz	-2.73	-3.67	-0.16	5.50	Complies
11	2462 MHz	-12.12	-11.71	-8.90	5.50	Complies

Configuration IEEE 802.11n MCS8 40MHz (2TX, 2RX)

Channel	Fraguenay	Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Dogult
Channel Frequency		Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Result
3	2422 MHz	-15.12	-16.35	-12.68	5.50	Complies
6	2437 MHz	-12.77	-12.33	-9.53	5.50	Complies
9	2452 MHz	-17.70	-17.79	-14.73	5.50	Complies

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Temperature	25 ℃	Humidity	56%
Test Engineer	Allen Liu	Configurations	IEEE 802.11 b/g
Test Date	Jan. 10, 2012	Test Mode	Mode 4

Configuration IEEE 802.11b / Chain 2 (1TX, 2RX)

Channel	Frequency	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
1	2412 MHz	0.15	5.50	Complies
6	2437 MHz	-0.11	5.50	Complies
11	2462 MHz	-0.01	5.50	Complies

Configuration IEEE 802.11g / Chain 1+ Chain 2 (2TX, 2RX)

Channel	Eroguenov.	Power Density (dBm/3kHz)		Total Power	Max. Limit	Dogult
Channel	Frequency	Chain 1	Chain 2	Density (dBm/3kHz)	(dBm/3kHz)	Result
1	2412 MHz	-10.67	-9.43	-7.00	2.49	Complies
6	2437 MHz	-4.28	-3.43	-0.82	2.49	Complies
11	2462 MHz	-10.81	-8.49	-6.49	2.49	Complies

NOTE 1: Directional gain = 8.5dBi + 10log(2)=11.51dBi > 6dBi, so the Power Spectral Density limit = 8-(11.51-6)=2.49dBm.

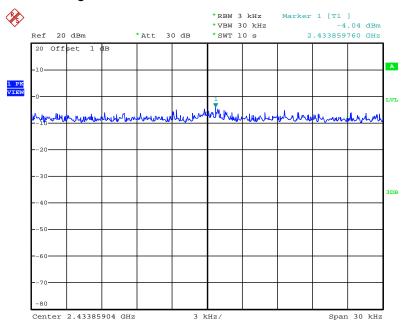
NOTE 2: All the test values were listed in the report.

For plots, only the channel with maximum results was shown.

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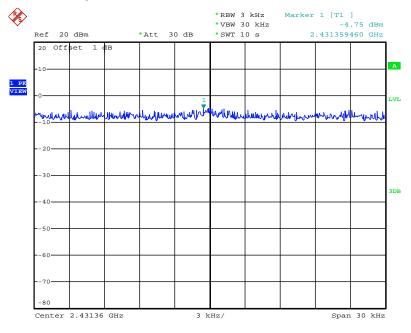


Power Density Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 2437 MHz / Mode 4 (2TX, 2RX)



Date: 1.FEB.2012 20:43:44

Power Density Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 2 / 2437 MHz / Mode 4 (2TX, 2RX)

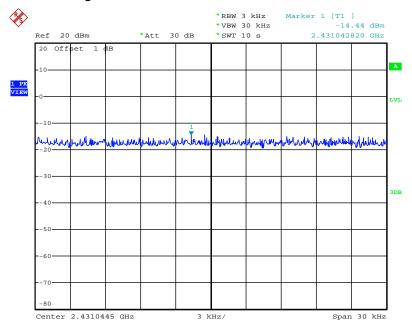


Date: 1.FEB.2012 20:42:06

Report Format Version: 01 Page No. : 130 of 620 FCC ID: UZ7AP0622 Issued Date : Mar. 07, 2012

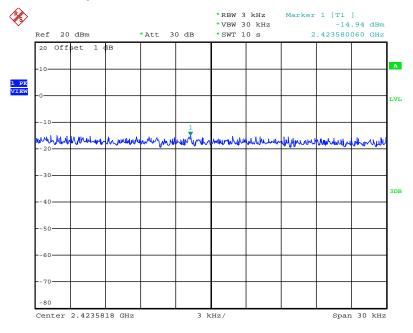


Power Density Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 2437 MHz / Mode 4 (2TX, 2RX)



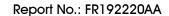
Date: 1.FEB.2012 21:06:14

Power Density Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 2 / 2437 MHz / Mode 4 (2TX, 2RX)



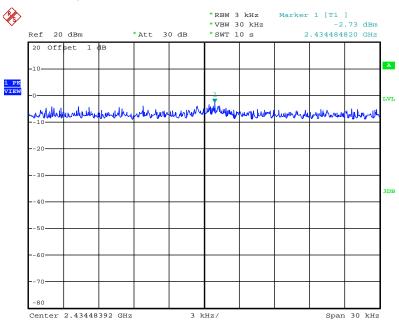
Date: 1.FEB.2012 21:04:32

Report Format Version: 01 Page No. : 131 of 620 FCC ID: UZ7AP0622 Issued Date : Mar. 07, 2012



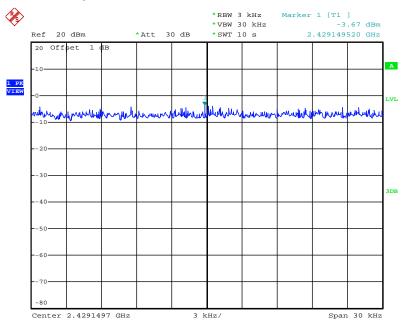


Power Density Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1 / 2437 MHz / Mode 4 (2TX, 2RX)



Date: 10.JAN.2012 15:01:36

Power Density Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 2 / 2437 MHz / Mode 4 (2TX, 2RX)



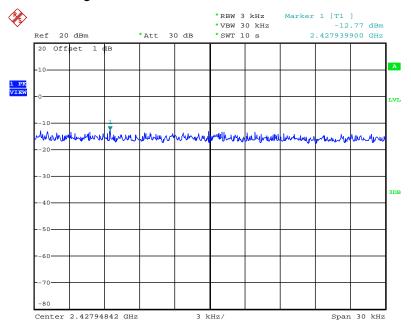
Date: 10.JAN.2012 14:54:53

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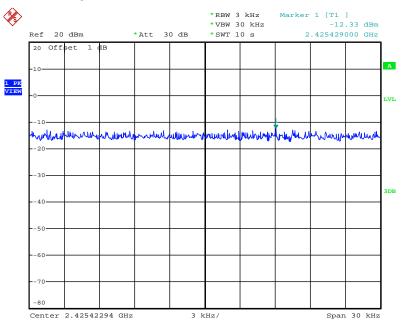


Power Density Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 1 / 2437 MHz / Mode 4 (2TX, 2RX)



Date: 10.JAN.2012 14:59:16

Power Density Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 2 / 2437 MHz / Mode 4 (2TX, 2RX)



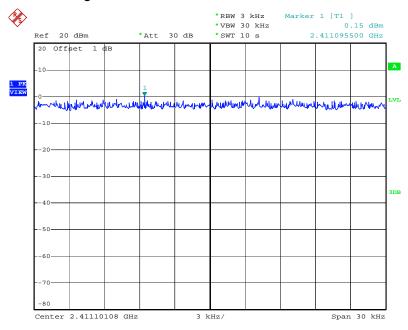
Date: 10.JAN.2012 14:57:11

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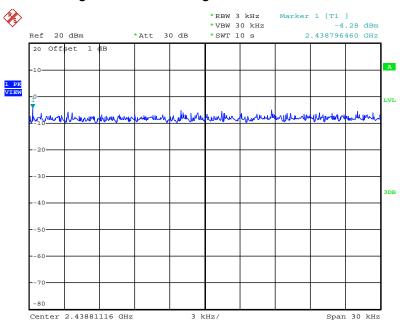


Power Density Plot on Configuration IEEE 802.11b / Chain 2 / 2412 MHz / Mode 4 (1TX, 2RX)



Date: 14.DEC.2011 15:25:21

Power Density Plot on Configuration IEEE 802.11g / Chain 1 / 2437 MHz / Mode 4 (2TX, 2RX)

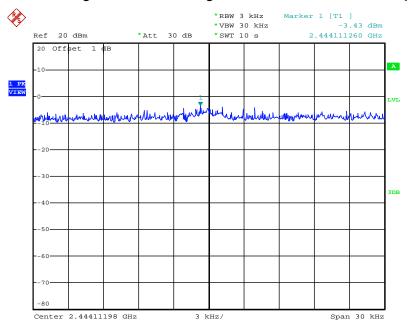


Date: 10.JAN.2012 15:08:22

Report Format Version: 01 Page No. : 134 of 620 FCC ID: UZ7AP0622 Issued Date : Mar. 07, 2012



Power Density Plot on Configuration IEEE 802.11g/ Chain 2 / 2437 MHz / Mode 1 (2TX, 2RX)



Date: 10.JAN.2012 14:47:35



Temperature	25 ℃	Humidity	56%
Test Engineer	Allen Liu	Configurations	IEEE 802.11n
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Configuration IEEE 802.11n MCS0 20MHz (1TX, 2RX)

Channel	Frequency	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	
1	2412 MHz	-8.75	5.50	Complies
6	2437 MHz	-4.77	5.50	Complies
11	2462 MHz	-7.25	5.50	Complies

Configuration IEEE 802.11n MCS0 40MHz (1TX, 2RX)

Channel	Frequency	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
3	2422 MHz	-9.93	5.50	Complies
6	2437 MHz	-10.52	5.50	Complies
9	2452 MHz	-13.45	5.50	Complies

Configuration IEEE 802.11n MCS0 20MHz (2TX, 2RX)

Channel Frequency		Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Result
Charine	Frequency	Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Result
1	2412 MHz	-10.56	-11.47	-7.98	2.49	Complies
6	2437 MHz	-7.72	-7.96	-4.83	2.49	Complies
11	2462 MHz	-9.94	-10.76	-7.32	2.49	Complies

NOTE: Directional gain = 8.5 dBi + 10log(2) = 10.51 dBi > 6 dBi, so the Power Spectral Density limit = 8-(10.51-6) = 2.49 dBm.

Configuration IEEE 802.11n MCS0 40MHz (2TX, 2RX)

Channel Fraguency		Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Result
Channel Frequency	Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Result	
3	2422 MHz	-18.82	-19.70	-16.23	2.49	Complies
6	2437 MHz	-12.42	-13.06	-9.72	2.49	Complies
9	2452 MHz	-19.35	-19.28	-16.30	2.49	Complies

NOTE: Directional gain =8.5dBi + $10\log(2)=10.51dBi > 6dBi$, so the Power Spectral Density limit =8-(10.51-6)=2.49dBm.

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Configuration IEEE 802.11n MCS8 20MHz (2TX, 2RX)

Channel Fraguency		Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Result
Channel Frequency	Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Kesuii	
1	2412 MHz	-9.90	-9.75	-6.81	5.50	Complies
6	2437 MHz	-5.63	-5.42	-2.51	5.50	Complies
11	2462 MHz	-8.51	-9.85	-6.12	5.50	Complies

Configuration IEEE 802.11n MCS8 40MHz (2TX, 2RX)

Channel Fraguency		Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Result
Channel Fre	Frequency	Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Resuli
3	2422 MHz	-16.98	-15.79	-13.33	5.50	Complies
6	2437 MHz	-9.13	-10.36	-6.69	5.50	Complies
9	2452 MHz	-14.18	-15.12	-11.61	5.50	Complies

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 Issued Date : Mar. 07, 2012



Temperature	25 ℃	Humidity	56%
Test Engineer	Allen Liu	Configurations	IEEE 802.11b/g
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Configuration IEEE 802.11b / Chain 1 (1TX, 2RX)

_		•		
Channel	Frequency	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
1	2412 MHz	-1.34	5.50	Complies
6	2437 MHz	1.73	5.50	Complies
11	2462 MHz	-0.59	5.50	Complies

Configuration IEEE 802.11g / Chain 1 (1TX, 2RX)

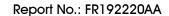
Channel	Frequency	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
1	2412 MHz	-7.16	5.50	Complies
6	2437 MHz	-3.00	5.50	Complies
11	2462 MHz	-7.05	5.50	Complies

Configuration IEEE 802.11g / Chain 1+ Chain 2 (2TX, 2RX)

Channel	Eroguenev	Power Density (dBm/3kHz)		Total Power	Max. Limit	Result
Channel	Frequency	Chain 1	Chain 2	Density (dBm/3kHz)	(dBm/3kHz)	Kesuli
1	2412 MHz	-8.88	-8.57	-5.71	2.49	Complies
6	2437 MHz	-9.59	-7.27	-5.27	2.49	Complies
11	2462 MHz	-10.42	-10.82	-7.61	2.49	Complies

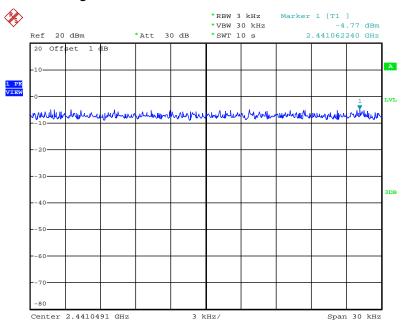
NOTE: Directional gain = 8.5 dBi + 10log(2) = 11.51 dBi > 6 dBi, so the Power Spectral Density limit = 8-(11.51-6) = 2.49 dBm.

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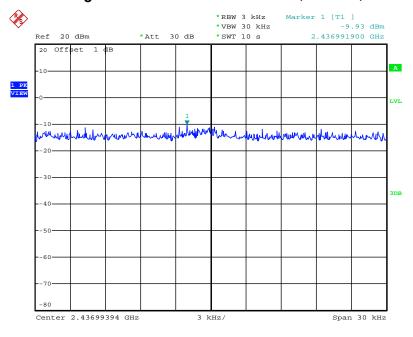


Power Density Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 2437 MHz / Mode 5 (1TX, 2RX)



Date: 3.FEB.2012 12:08:59

Power Density Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 2422 MHz / Mode 5 (1TX, 2RX)

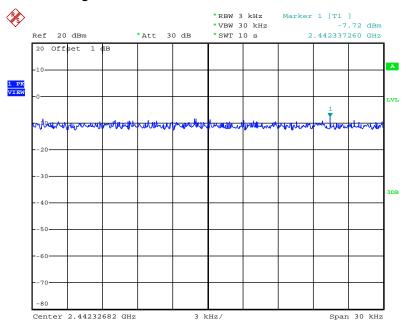


Date: 3.FEB.2012 12:13:40

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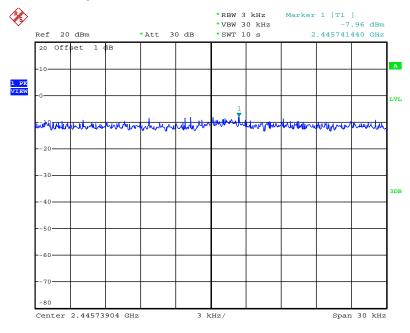


Power Density Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 2437 MHz / Mode 5 (2TX, 2RX)



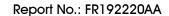
Date: 1.FEB.2012 23:03:58

Power Density Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 2 / 2437 MHz / Mode 5 (2TX, 2RX)



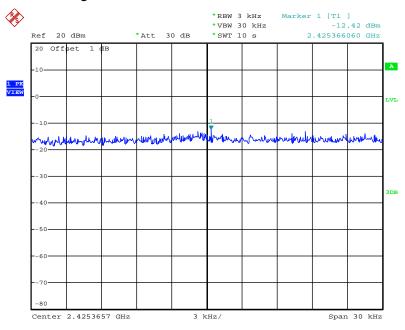
Date: 1.FEB.2012 23:09:49

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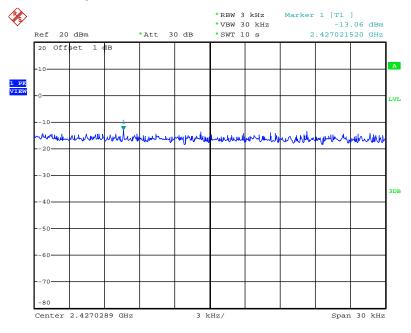


Power Density Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 2437 MHz / Mode 5 (2TX, 2RX)



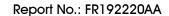
Date: 1.FEB.2012 23:18:06

Power Density Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 2 / 2437 MHz / Mode 5 (2TX, 2RX)



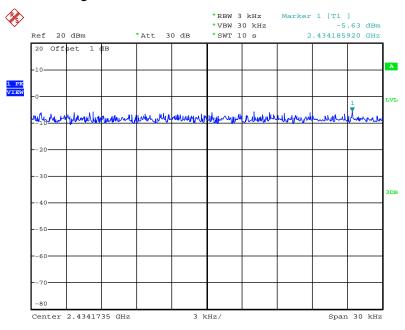
Date: 1.FEB.2012 23:16:27

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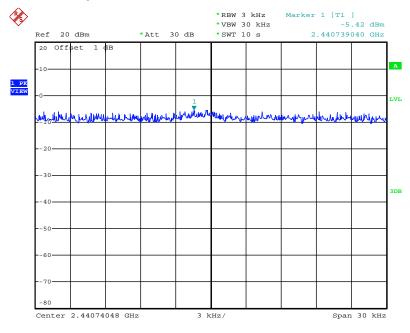


Power Density Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1 / 2437 MHz / Mode 5 (2TX, 2RX)



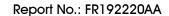
Date: 10.JAN.2012 15:58:52

Power Density Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 2 / 2437 MHz / Mode 5 (2TX, 2RX)



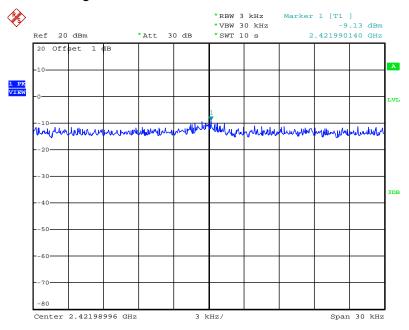
Date: 10.JAN.2012 15:42:29

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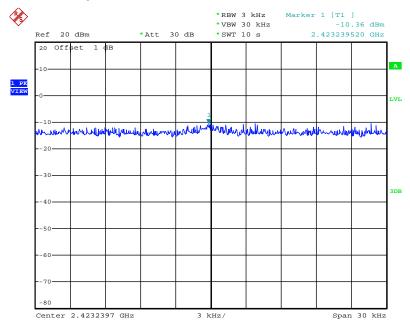


Power Density Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 1 / 2437 MHz / Mode 5 (2TX, 2RX)



Date: 10.JAN.2012 16:02:33

Power Density Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 2 / 2437 MHz / Mode 5 (2TX, 2RX)



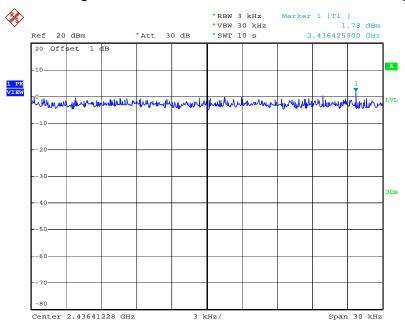
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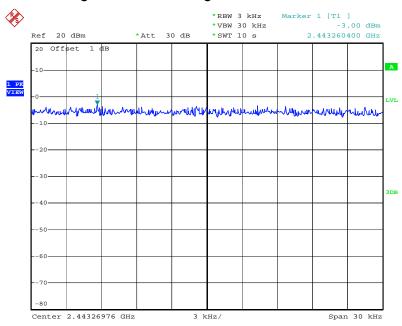


Power Density Plot on Configuration IEEE 802.11b/ Chain 1 / 2437 MHz / Mode 5 (1TX, 2RX)



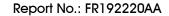
Date: 14.DEC.2011 17:53:06

Power Density Plot on Configuration IEEE 802.11g/ Chain 1 / 2437 MHz / Mode 5 (1TX, 2RX)



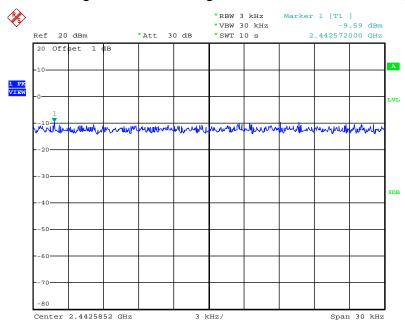
Date: 14.DEC.2011 17:45:44

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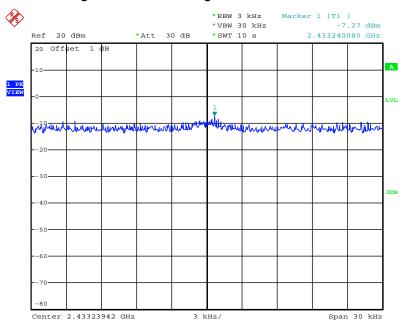


Power Density Plot on Configuration IEEE 802.11g/ Chain 1 / 2437 MHz / Mode 5 (2TX, 2RX)



Date: 10.JAN.2012 15:53:29

Power Density Plot on Configuration IEEE 802.11g/ Chain 2 / 2437 MHz / Mode 5 (2TX, 2RX)



Date: 10.JAN.2012 15:47:48

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Temperature	25 ℃	Humidity	56%
Test Engineer	Allen Liu	Configurations	IEEE 802.11n
Test Date	Feb. 03, 2012	Test Mode	Mode 6

Configuration IEEE 802.11n MCS0 20MHz (1TX, 2RX)

Channel	Frequency	Power Density (dBm/3kHz) Max. Limit (dBm/3kHz)		Result
149	5745 MHz	-3.79	5.00	Complies
157	5785 MHz	-4.65	5.00	Complies
165	5825 MHz	-3.33	5.00	Complies

Configuration IEEE 802.11n MCS0 40MHz (1TX, 2RX)

Channel	Frequency	Power Density Max. Li (dBm/3kHz) (dBm/3l		Result
151	5755 MHz	-9.02	5.00	Complies
159	5795 MHz	-8.25	5.00	Complies

Configuration IEEE 802.11n MCS0 20MHz (2TX, 2RX)

Channel	Fraguenav	Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Result
Channel	Frequency	Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Result
149	5745 MHz	-7.66	-8.28	-4.95	1.99	Complies
157	5785 MHz	-7.58	-7.03	-4.29	1.99	Complies
165	5825 MHz	-7.75	-6.88	-4.28	1.99	Complies

NOTE: Directional gain = 9dBi + 10log(2) = 12.01dBi > 6dBi, so the Power Spectral Density limit = 8-(12.01-6) = 1.99Bm.

Configuration IEEE 802.11n MCS0 40MHz (2TX, 2RX)

Channel Fraguency		Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Result
Channel	Frequency	Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Result
151	5755 MHz	-10.99	-10.46	-7.71	1.99	Complies
159	5795 MHz	-10.26	-10.08	-7.16	1.99	Complies

NOTE: Directional gain = 9dBi + 10log(2) = 12.01dBi > 6dBi, so the Power Spectral Density limit = 8-(12.01-6) = 1.99Bm.

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Configuration IEEE 802.11n MCS8 20MHz (2TX, 2RX)

Channel	Eroguenov	Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Result
Channel	Frequency	Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Resuli
149	5745 MHz	-9.29	-9.36	-6.31	5.00	Complies
157	5785 MHz	-8.32	-8.24	-5.27	5.00	Complies
165	5825 MHz	-8.19	-5.80	-3.82	5.00	Complies

Configuration IEEE 802.11n MCS8 40MHz (2TX, 2RX)

Channel Frequency		Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Result
Channel	Frequency	Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Result
151	5755 MHz	-12.01	-11.97	-8.98	5.00	Complies
159	5795 MHz	-12.16	-10.35	-8.15	5.00	Complies

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Temperature	25 ℃	Humidity	56%
Test Engineer	Allen Liu	Configurations	IEEE 802.11a
Test Date	Feb. 03, 2012	Test Mode	Mode 6

Configuration IEEE 802.11a / Chain 1 (1TX, 2RX)

Channel	Frequency	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
149	5745 MHz	-3.17	5.00	Complies
157	5785 MHz	-3.92	5.00	Complies
165	5825 MHz	-3.30	5.00	Complies

Configuration IEEE 802.11a / Chain 1+ Chain 2 (2TX, 2RX)

Channel	Eroguenev	Power Density (dBm/3kHz)		Total Power	Max. Limit	Result
Channel	Frequency	Chain 1	Chain 2	Density (dBm/3kHz)	(dBm/3kHz)	Kesuli
149	5745 MHz	-7.81	-8.31	-5.04	1.99	Complies
157	5785 MHz	-7.57	-6.57	-4.03	1.99	Complies
165	5825 MHz	-5.29	-6.89	-3.01	1.99	Complies

NOTE: Directional gain =9dBi + 10log(2)=12.01dBi > 6dBi, so the Power Spectral Density limit =8-(12.01-6)=1.99Bm.

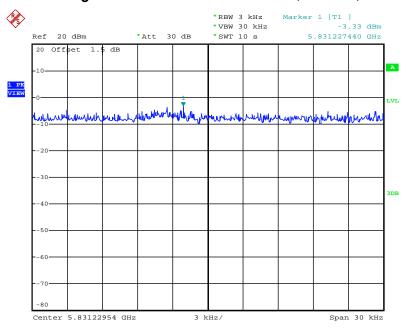
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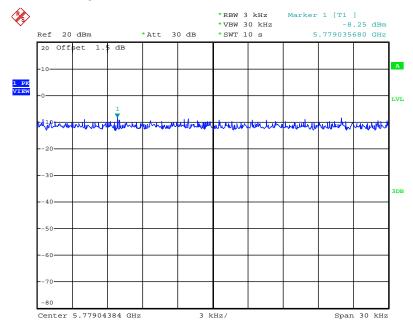


Power Density Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 5825 MHz / Mode 6 (1TX, 2RX)



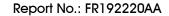
Date: 10.JAN.2012 16:38:01

Power Density Plot on Configuration IEEE 802.11n MCSO 40MHz / Chain 1 / 5795 MHz / Mode 6 (1TX, 2RX)



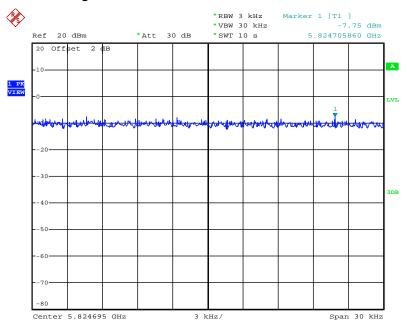
Date: 10.JAN.2012 16:42:16

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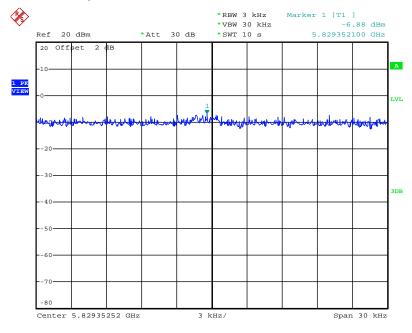


Power Density Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 5825 MHz / Mode 6 (2TX, 2RX)



Date: 1.FEB.2012 22:30:35

Power Density Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 2 / 5825 MHz / Mode 6 (2TX, 2RX)

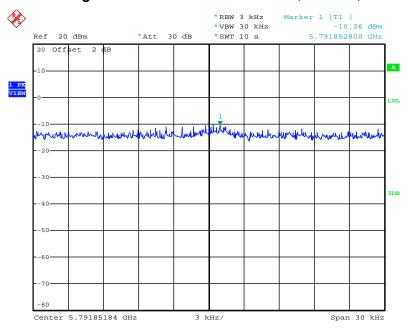


Date: 1.FEB.2012 22:32:20

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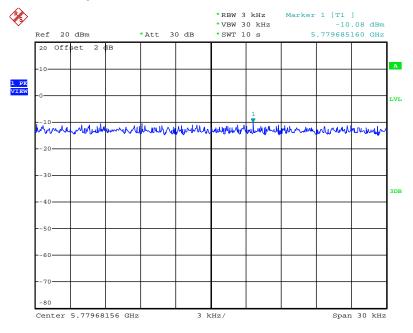


Power Density Plot on Configuration IEEE 802.11n MCSO 40MHz / Chain 1 / 5795 MHz / Mode 6 (2TX, 2RX)



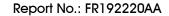
Date: 1.FEB.2012 22:40:42

Power Density Plot on Configuration IEEE 802.11n MCSO 40MHz / Chain 2 / 5795 MHz / Mode 6 (2TX, 2RX)



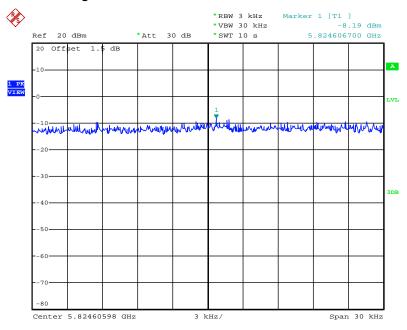
Date: 1.FEB.2012 22:42:25

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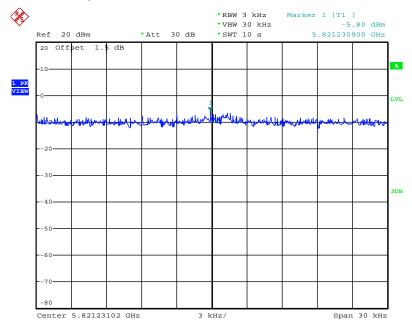


Power Density Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1 / 5825 MHz / Mode 6 (2TX, 2RX)



Date: 10.JAN.2012 17:49:00

Power Density Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 2 / 5825 MHz / Mode 6 (2TX, 2RX)

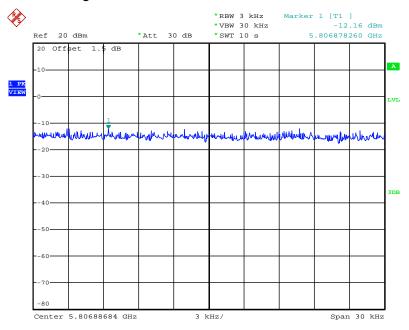


Date: 10.JAN.2012 17:50:42

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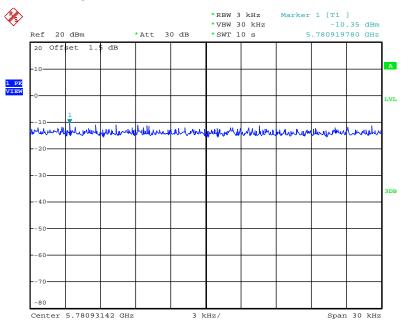


Power Density Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 1 / 5795 MHz / Mode 6 (2TX, 2RX)



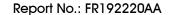
Date: 10.JAN.2012 17:56:21

Power Density Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 2 / 5795 MHz / Mode 6 (2TX, 2RX)



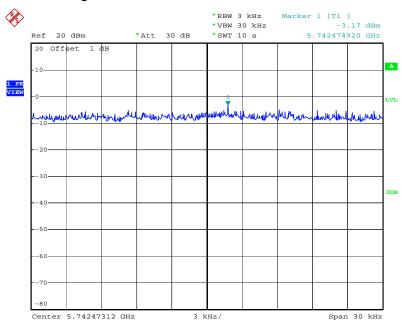
Date: 10.JAN.2012 17:58:21

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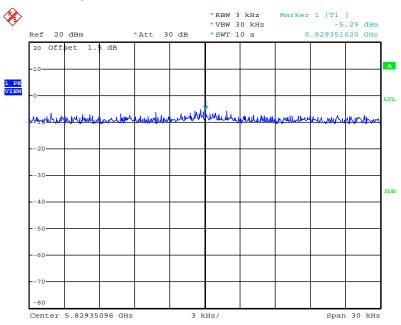


Power Density Plot on Configuration IEEE 802.11a / Chain 1 / 5745 MHz / Mode 6 (1TX, 2RX)



Date: 15.DEC.2011 09:48:04

Power Density Plot on Configuration IEEE 802.11a / Chain 1 / 5825 MHz / Mode 6 (2TX, 2RX)

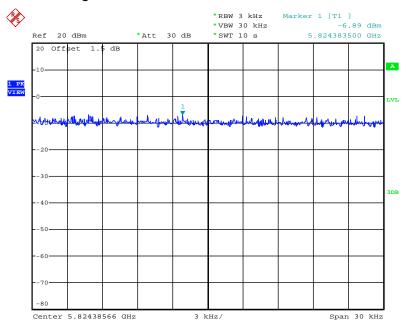


Date: 10.JAN.2012 17:23:48

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Power Density Plot on Configuration IEEE 802.11a / Chain 2 / 5825 MHz / Mode 6 (2TX, 2RX)



Date: 10.JAN.2012 17:25:43



Temperature	25 ℃	Humidity	57%
Test Engineer	Satoshi Yang	Configurations	IEEE 802.11n
Test Date	Feb. 07, 2012	Test Mode	Mode 7

Configuration IEEE 802.11n MCS0 20MHz / Chain 2 (1TX, 2RX)

Channel	Frequency	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
1	2412 MHz	-5.72	8.00	Complies
6	2437 MHz	-4.29	8.00	Complies
11	2462 MHz	-4.92	8.00	Complies

Configuration IEEE 802.11n MCS0 40MHz / Chain 2 (1TX, 2RX)

Channel	Frequency	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
3	2422 MHz	-10.56	8.00	Complies
6	2437 MHz	-7.83	8.00	Complies
9	2452 MHz	-11.04	8.00	Complies

Configuration IEEE 802.11n MCS0 20MHz (2TX, 2RX)

Channel Frequency	Fraguanay	Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Dogult
	Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Result	
1	2412 MHz	-7.27	-6.69	-3.96	7.49	Complies
6	2437 MHz	-4.50	-3.18	-0.78	7.49	Complies
11	2462 MHz	-8.57	-6.78	-4.57	7.49	Complies

NOTE: Directional gain=3.5 dBi + 10log(2)=6.51 dBi > 6 dBi, so the Power Spectral Density limit =8-(6.51-6)=7.49 dBm.

Configuration IEEE 802.11n MCS0 40MHz (2TX, 2RX)

Channel Frequency	Frequency	Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Result
	riequency	Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Result
3	2422 MHz	-12.05	-12.08	-9.05	7.49	Complies
6	2437 MHz	-9.81	-7.87	-5.72	7.49	Complies
9	2452 MHz	-15.16	-14.78	-11.96	7.49	Complies

NOTE: Directional gain=3.5dBi + 10log(2)=6.51dBi > 6dBi, so the Power Spectral Density limit =8-(6.51-6)=7.49dBm.

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Temperature	25 ℃	Humidity	57%
Test Engineer	Satoshi Yang	Configurations	IEEE 802.11b/g
Test Date	Feb. 07, 2012	Test Mode	Mode 7

Configuration IEEE 802.11b / Chain 2 (1TX, 2RX)

Channel	Frequency	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
1	2412 MHz	-1.39	8.00	Complies
6	2437 MHz	-1.28	8.00	Complies
11	2462 MHz	0.66	8.00	Complies

Configuration IEEE 802.11g / Chain 2 (1TX, 2RX)

Channel	Frequency	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
1	2412 MHz	-6.09	8.00	Complies
6	2437 MHz	-2.14	8.00	Complies
11	2462 MHz	-5.62	8.00	Complies

Configuration IEEE 802.11g / Chain 1+ Chain 2 (2TX, 2RX)

Channel	Frequency	Power Density (dBm/3kHz)		Total Power	Max. Limit	Result
		Chain 1	Chain 2	Density (dBm/3kHz)	(dBm/3kHz)	Resuli
1	2412 MHz	-6.25	-6.20	-3.21	7.49	Complies
6	2437 MHz	-3.55	-3.94	-0.73	7.49	Complies
11	2462 MHz	-5.88	-7.90	-3.76	7.49	Complies

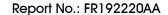
NOTE 1: Directional gain =3.5dBi + $10\log(2)=6.51dBi > 6dBi$, so the Power Spectral Density limit =8-(6.51-6)=7.49dBm.

NOTE 2: All the test values were listed in the report.

For plots, only the channel with maximum results was shown.

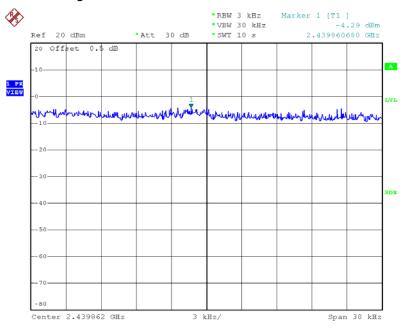
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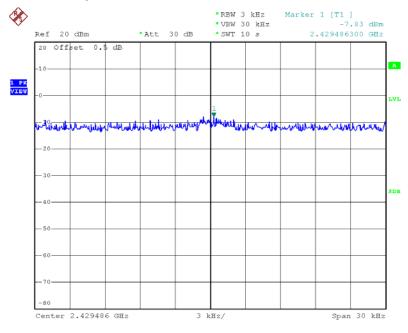


Power Density Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 2 / 2437 MHz / Mode 7 (1TX, 2RX)



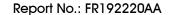
Date: 7.FEB.2012 18:39:50

Power Density Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 2 / 2437 MHz / Mode 7 (1TX, 2RX)



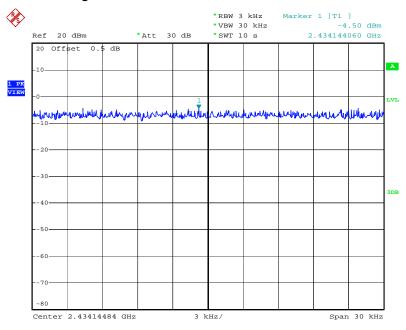
Date: 7.FEB.2012 18:43:51

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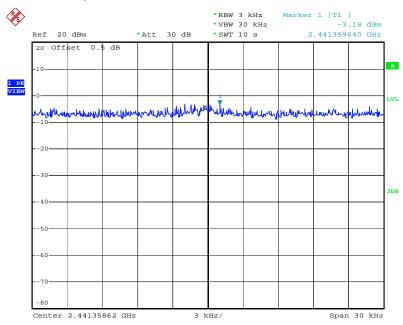


Power Density Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 2437 MHz / Mode 7 (2TX, 2RX)



Date: 7.FEB.2012 18:18:22

Power Density Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 2 / 2437 MHz / Mode 7 (2TX, 2RX)

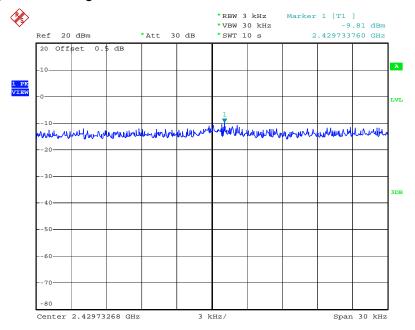


Date: 7.FEB.2012 18:16:28

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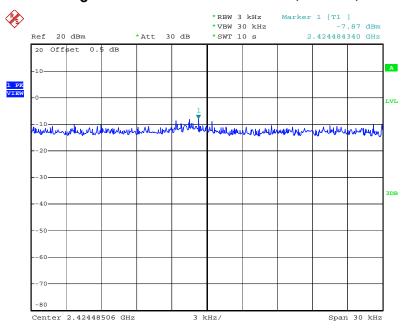


Power Density Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 2437 MHz / Mode 7 (2TX, 2RX)



Date: 7.FEB.2012 18:00:35

Power Density Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 2 / 2437 MHz / Mode 7 (2TX, 2RX)



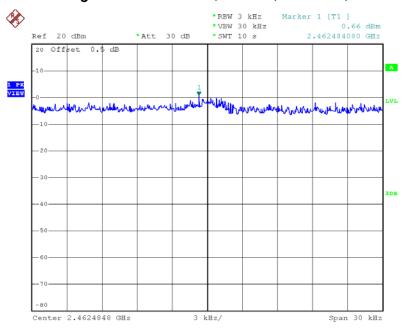
Date: 7.FEB.2012 17:57:49

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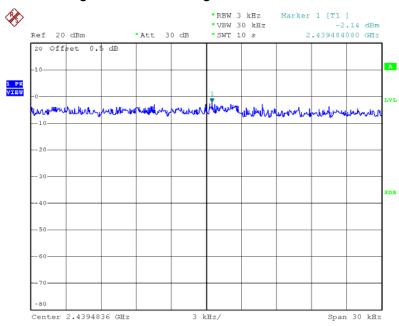


Power Density Plot on Configuration IEEE 802.11b / Chain 2 / 2462 MHz / Mode 7 (1TX, 2RX)



Date: 7.FEB.2012 18:34:23

Power Density Plot on Configuration IEEE 802.11g / Chain 1 / 2437 MHz / Mode 7 (1TX, 2RX)



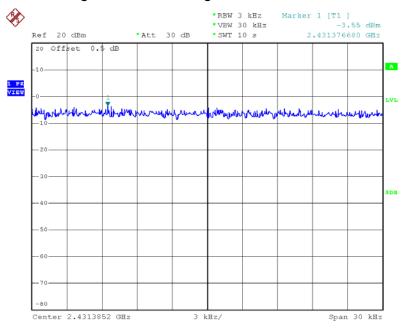
Date: 7.FEB.2012 18:36:24

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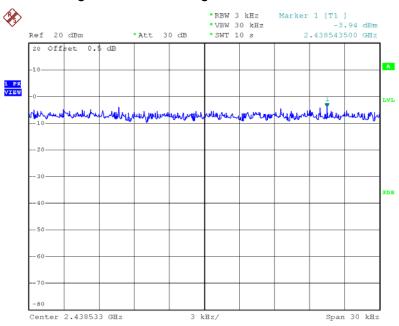


Power Density Plot on Configuration IEEE 802.11g/ Chain 1 / 2437 MHz / Mode 7 (2TX, 2RX)



Date: 7.FEB.2012 18:26:59

Power Density Plot on Configuration IEEE 802.11g/ Chain 2 / 2437 MHz / Mode 7 (2TX, 2RX)



Date: 7.FEB.2012 18:27:59

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Temperature	25 ℃	Humidity	56%
Test Engineer	Satoshi Yang	Configurations	IEEE 802.11n
Test Date	Feb. 07, 2012	Test Mode	Mode 8

Configuration IEEE 802.11n MCS0 20MHz (1TX, 2RX)

Channel	Frequency	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
1	2412 MHz	-5.80	8.00	Complies
6	2437 MHz	-1.86	8.00	Complies
11	2462 MHz	-6.31	8.00	Complies

Configuration IEEE 802.11n MCS0 40MHz (1TX, 2RX)

Channel	Frequency	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
3	2422 MHz	-9.68	8.00	Complies
6	2437 MHz	-9.06	8.00	Complies
9	2452 MHz	-10.31	8.00	Complies

Configuration IEEE 802.11n MCS0 20MHz (2TX, 2RX)

Channel	Eroguepov			Total Power Density	Max. Limit	Result
Charine	Channel Frequency	Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Result
1	2412 MHz	-7.37	-9.47	-5.28	7.49	Complies
6	2437 MHz	-2.45	-2.91	0.34	7.49	Complies
11	2462 MHz	-7.69	-7.48	-4.57	7.49	Complies

NOTE: Directional gain = 3.5 dBi + 10log(2) = 6.5 dBi > 6 dBi, so the Power Spectral Density limit = 8 - (6.51 - 6) = 7.49 dBm.

Configuration IEEE 802.11n MCS0 40MHz (2TX, 2RX)

Channel	Fraguenay	Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Dogult
Channel Frequency	Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Result	
3	2422 MHz	-13.00	-13.45	-10.21	7.49	Complies
6	2437 MHz	-8.85	-9.80	-6.29	7.49	Complies
9	2452 MHz	-12.22	-12.66	-9.42	7.49	Complies

NOTE: Directional gain = 3.5dBi + 10log(2)=6.5dBi > 6dBi, so the Power Spectral Density limit = 8-(6.51-6)=7.49dBm.

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Temperature	25 ℃	Humidity	56%
Test Engineer	Satoshi Yang	Configurations	IEEE 802.11b/g
Test Date	Feb. 07, 2012	Test Mode	Mode 8

Configuration IEEE 802.11b / Chain 1 (1TX, 2RX)

~		•		
Channel	Frequency	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
1	2412 MHz	-0.30	8.00	Complies
6	2437 MHz	0.49	8.00	Complies
11	2462 MHz	-0.78	8.00	Complies

Configuration IEEE 802.11g / Chain 1 (1TX, 2RX)

Channel	Frequency	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
1	2412 MHz	-5.86	8.00	Complies
6	2437 MHz	-2.21	8.00	Complies
11	2462 MHz	-5.59	8.00	Complies

Configuration IEEE 802.11g / Chain 1+ Chain 2 (2TX, 2RX)

Channel	Eroguepov	Power Density (dBm/3kHz)		Total Power	Max. Limit	Result
Channel	Frequency	Chain 1	Chain 2	Density (dBm/3kHz)	(dBm/3kHz)	Resuli
1	2412 MHz	-6.25	-6.82	-3.52	7.49	Complies
6	2437 MHz	-1.30	-1.21	1.76	7.49	Complies
11	2462 MHz	-6.18	-6.97	-3.55	7.49	Complies

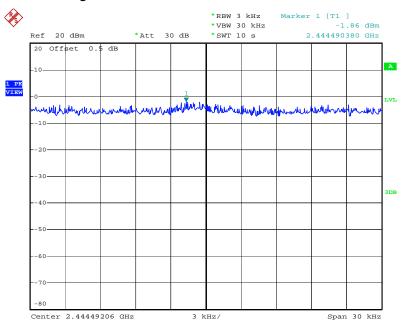
NOTE: Directional gain =3.5dBi + $10\log(2)=6.5dBi > 6dBi$, so the Power Spectral Density limit =8-(6.51-6)=7.49dBm.

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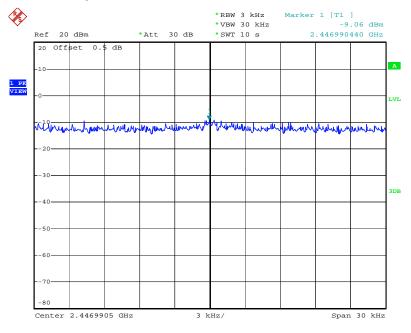


Power Density Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 2437 MHz / Mode 8 (1TX, 2RX)



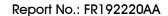
Date: 7.FEB.2012 16:10:02

Power Density Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 2437 MHz / Mode 8 (1TX, 2RX)



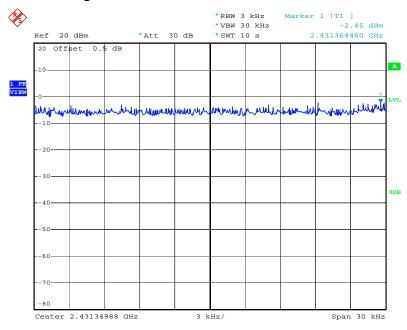
Date: 7.FEB.2012 16:17:03

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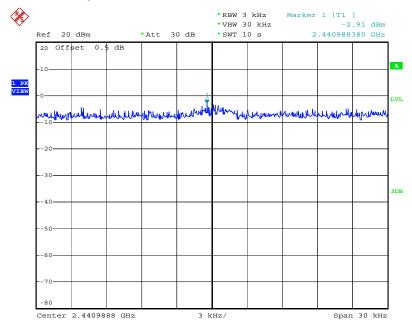


Power Density Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 2437 MHz / Mode 8 (2TX, 2RX)



Date: 7.FEB.2012 17:23:07

Power Density Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 2 / 2437 MHz / Mode 8 (2TX, 2RX)

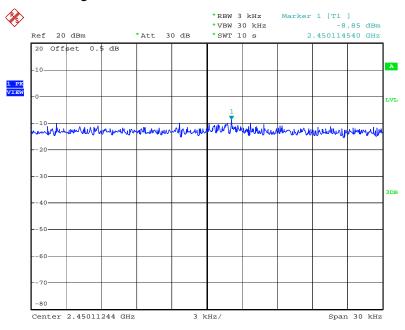


Date: 7.FEB.2012 17:25:09

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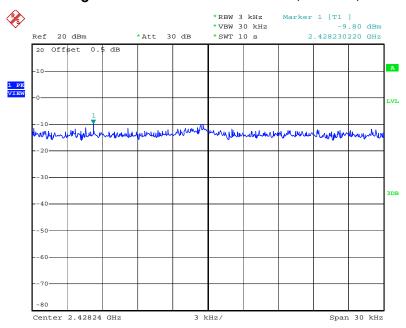


Power Density Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 2437 MHz / Mode 8 (2TX, 2RX)



Date: 7.FEB.2012 17:38:51

Power Density Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 2 / 2437 MHz / Mode 8 (2TX, 2RX)



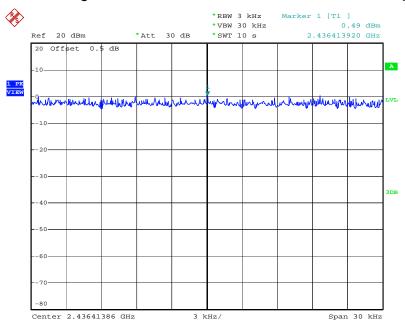
Date: 7.FEB.2012 17:36:34

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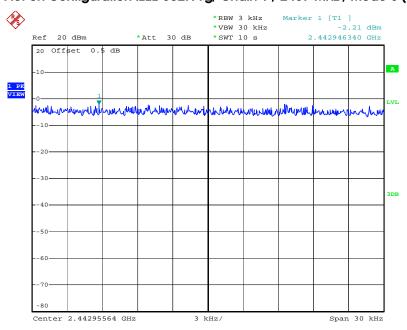


Power Density Plot on Configuration IEEE 802.11b/ Chain 1 / 2437 MHz / Mode 8 (1TX, 2RX)



Date: 7.FEB.2012 15:53:44

Power Density Plot on Configuration IEEE 802.11g/ Chain 1 / 2437 MHz / Mode 8 (1TX, 2RX)



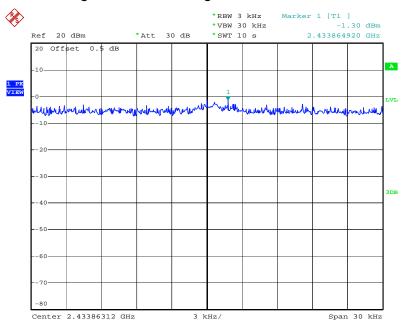
Date: 7.FEB.2012 16:02:26

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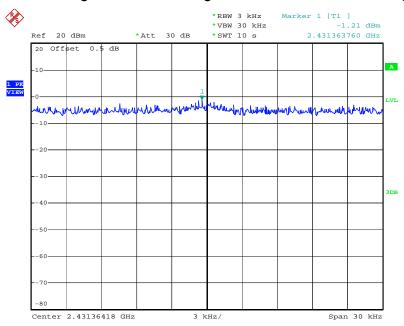


Power Density Plot on Configuration IEEE 802.11g/ Chain 1 / 2437 MHz / Mode 8 (2TX, 2RX)



Date: 7.FEB.2012 16:33:11

Power Density Plot on Configuration IEEE 802.11g/ Chain 2 / 2437 MHz / Mode 8 (2TX, 2RX)



Date: 7.FEB.2012 16:30:51

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Temperature	25 ℃	Humidity	56%
Test Engineer	Satoshi Yang	Configurations	IEEE 802.11n
Test Date	Feb. 07, 2012	Test Mode	Mode 9

Configuration IEEE 802.11n MCS0 20MHz (2TX, 2RX)

Channel	Eroguenov	Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Result
Charine	Frequency	Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Kesuii
149	5745 MHz	-7.66	-8.28	-4.95	6.39	Complies
157	5785 MHz	-7.58	-7.03	-4.29	6.39	Complies
165	5825 MHz	-7.75	-6.88	-4.28	6.39	Complies

NOTE: Directional gain =4.6dBi + 10log(2)=7.61dBi > 6dBi, so the Power Spectral Density limit =8-(7.61-6)=6.39dBm.

Configuration IEEE 802.11n MCS0 40MHz (2TX, 2RX)

Channel	Eroguanav	Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Result
Channel	Frequency	Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Kesuli
151	5755 MHz	-10.99	-10.46	-7.71	6.39	Complies
159	5795 MHz	-10.26	-10.08	-7.16	6.39	Complies

NOTE: Directional gain =4.6dBi + 10log(2)=7.61dBi > 6dBi, so the Power Spectral Density limit =8-(7.61-6)=6.39dBm.

Temperature	25 ℃	Humidity	56%
Test Engineer	Satoshi Yang	Configurations	IEEE 802.11a
Test Date	Feb. 07, 2012	Test Mode	Mode 9

Configuration IEEE 802.11a / Chain 1+ Chain 2 (2TX, 2RX)

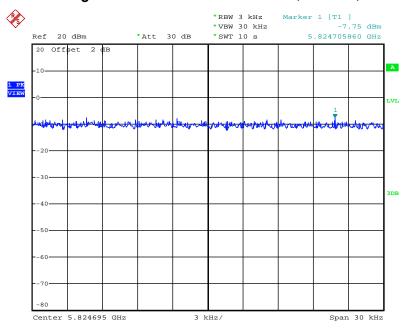
_	· · · · · · · · · · · · · · · · · · ·					
Channel	Frequency	Power Density (dBm/3kHz)		Total Power Density	Max. Limit	Result
		Chain 1	Chain 2	(dBm/3kHz)	(dBm/3kHz)	Result
149	5745 MHz	-7.81	-8.31	-5.04	6.39	Complies
157	5785 MHz	-7.57	-6.57	-4.03	6.39	Complies
165	5825 MHz	-5.29	-6.89	-3.01	6.39	Complies

NOTE: Directional gain =4.6dBi + 10log(2)=7.61dBi > 6dBi, so the Power Spectral Density limit =8-(7.61-6)=6.39dBm.

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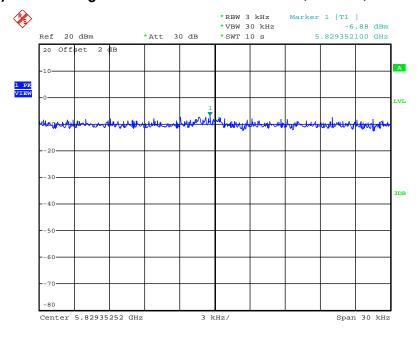


Power Density Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 5825 MHz / Mode 9 (2TX, 2RX)



Date: 1.FEB.2012 22:30:35

Power Density Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 2 / 5825 MHz / Mode 9 (2TX, 2RX)

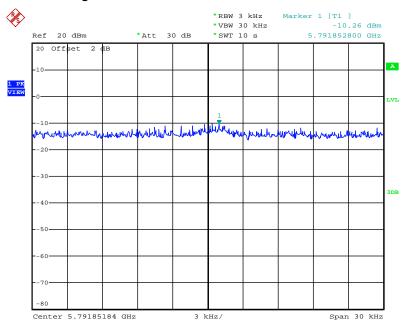


Date: 1.FEB.2012 22:32:20

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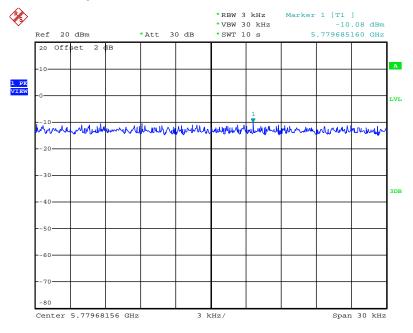


Power Density Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 5795 MHz / Mode 9 (2TX, 2RX)



Date: 1.FEB.2012 22:40:42

Power Density Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 2 / 5795 MHz / Mode 9 (2TX, 2RX)



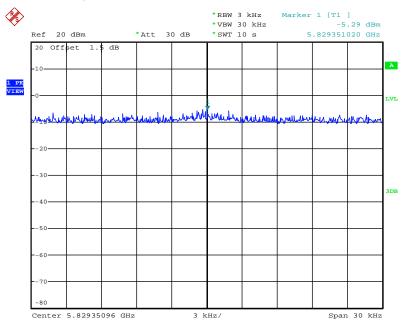
Date: 1.FEB.2012 22:42:25

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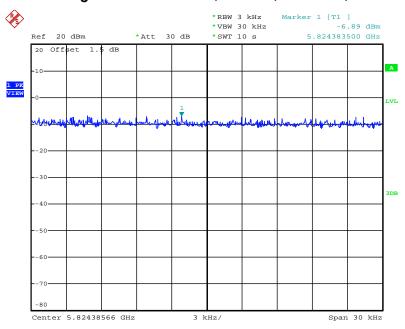


Power Density Plot on Configuration IEEE 802.11a / Chain 1 / 5825 MHz / Mode 9 (2TX, 2RX)



Date: 10.JAN.2012 17:23:48

Power Density Plot on Configuration IEEE 802.11a / Chain 2 / 5825 MHz / Mode 9 (2TX, 2RX)



Date: 10.JAN.2012 17:25:43

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Temperature	25 ℃	Humidity	57%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n
Test Date	Feb. 03, 2012	Test Mode	Mode 10

Configuration IEEE 802.11n MCS0 20MHz / Chain 2 (1TX, 2RX)

Channel	Frequency	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
1	2412 MHz	-11.39	3.10	Complies
6	2437 MHz	-9.86	3.10	Complies
11	2462 MHz	-12.84	3.10	Complies

Configuration IEEE 802.11n MCS0 40MHz / Chain 2 (1TX, 2RX)

Channel	Frequency	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
3	2422 MHz	-19.71	3.10	Complies
6	2437 MHz	-15.04	3.10	Complies
9	2452 MHz	-19.72	3.10	Complies

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Temperature	25 ℃	Humidity	57%
Test Engineer	Benson Peng	Configurations	IEEE 802.11b/g
Test Date	Feb. 03, 2012	Test Mode	Mode 10

Configuration IEEE 802.11b / Chain 2 (1TX, 2RX)

Channel	Frequency	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
1	2412 MHz	-4.87	3.10	Complies
6	2437 MHz	-3.15	3.10	Complies
11	2462 MHz	-7.03	3.10	Complies

Configuration IEEE 802.11g / Chain 2 (1TX, 2RX)

Channel	Frequency	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
1	2412 MHz	-11.95	3.10	Complies
6	2437 MHz	-9.68	3.10	Complies
11	2462 MHz	-12.94	3.10	Complies

NOTE: All the test values were listed in the report.

For plots, only the channel with maximum results was shown.

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