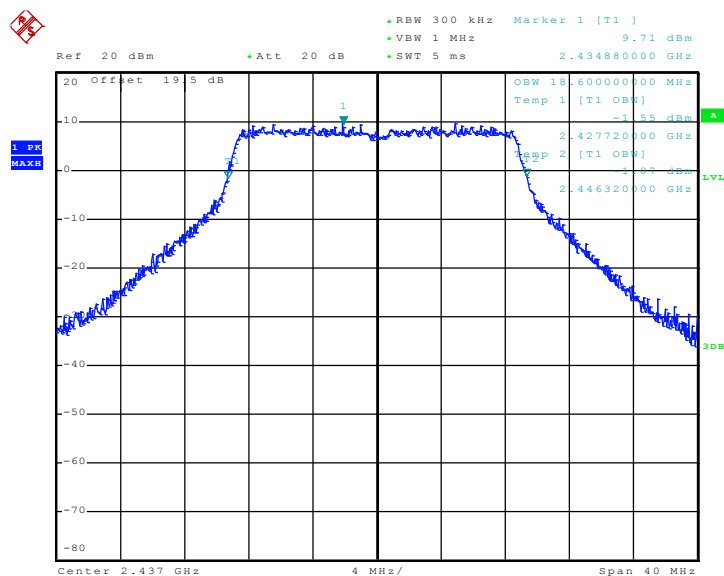


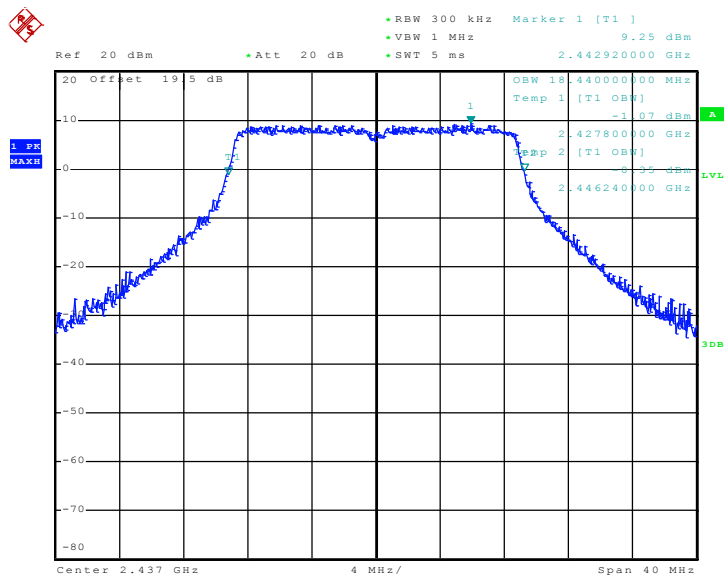
Date: 1.NOV.2010 04:21:19

**99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel
06 - Chain A+B(A)**



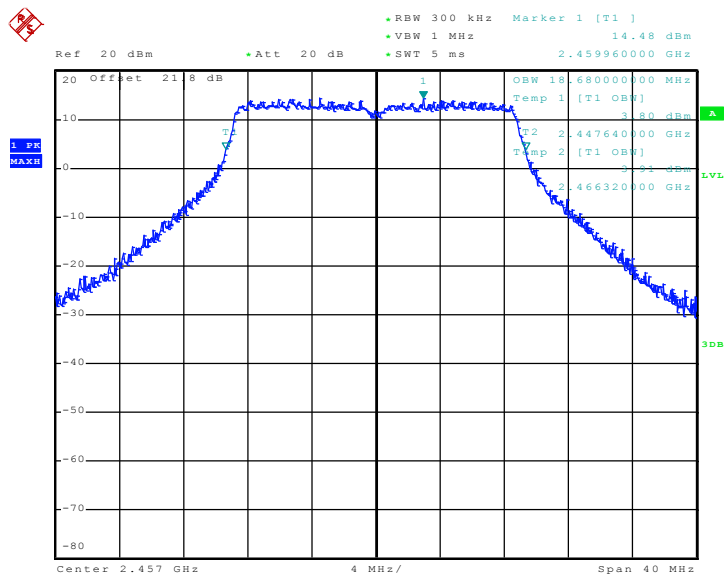
Date: 8.NOV.2010 14:51:24

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel
06 - Chain A+B(B)



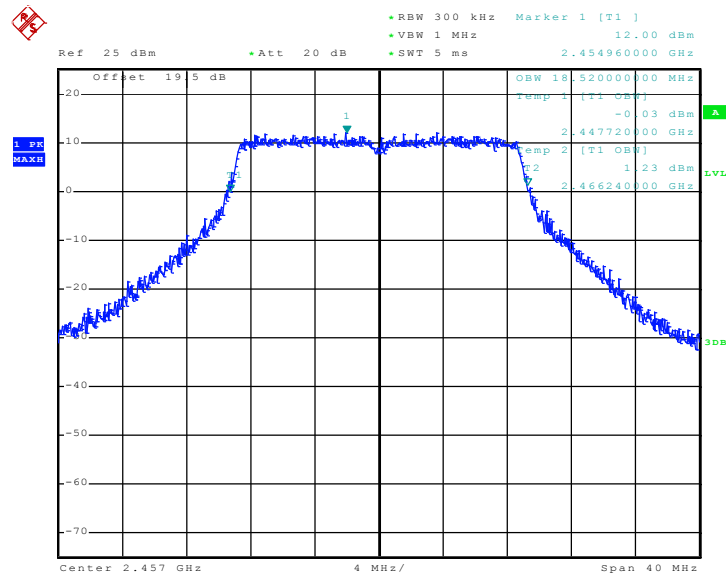
Date: 8.NOV.2010 14:33:49

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel
10 - Chain A



Date: 17.NOV.2010 17:08:31

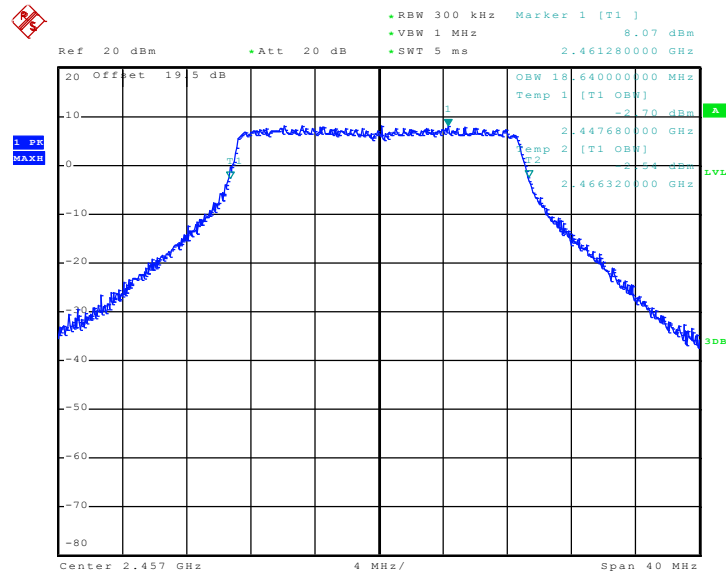
99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel
10 - Chain B



Date: 1.NOV.2010 04:35:16

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel

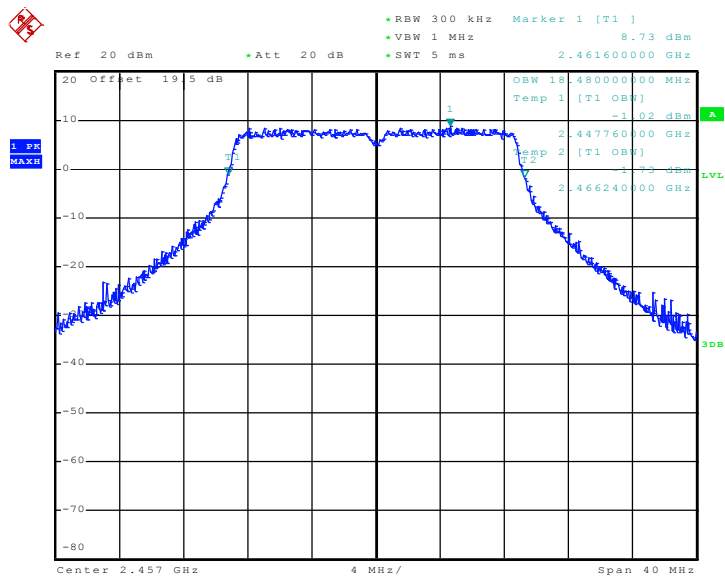
10 - Chain A+B(A)



Date: 8.NOV.2010 15:04:28

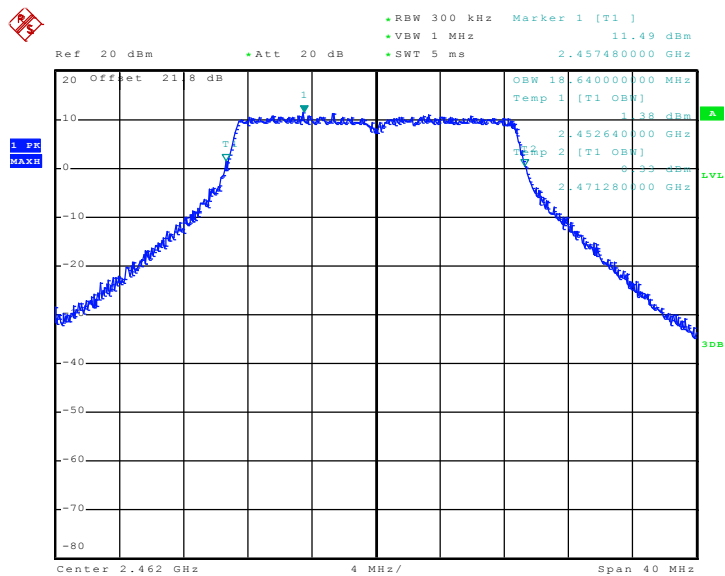
99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel

10 - Chain A+B(B)



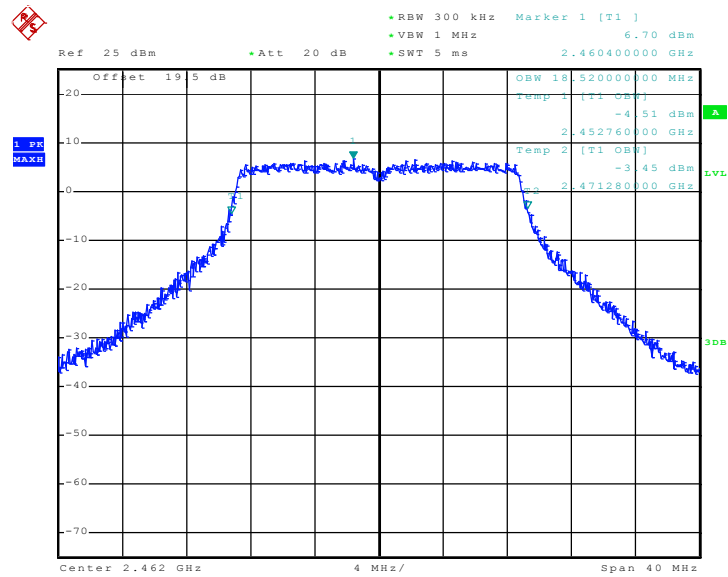
Date: 8.NOV.2010 15:19:35

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel
11 - Chain A



Date: 17.NOV.2010 17:24:37

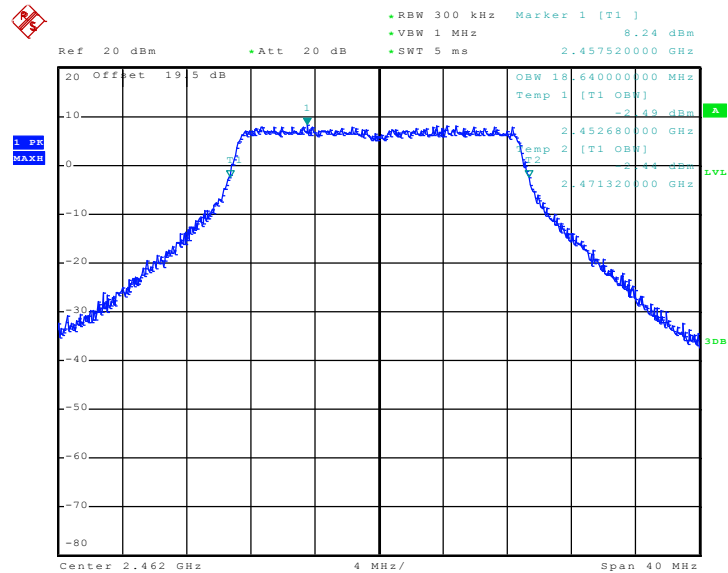
99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel
11 - Chain B



Date: 1.NOV.2010 04:49:46

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel

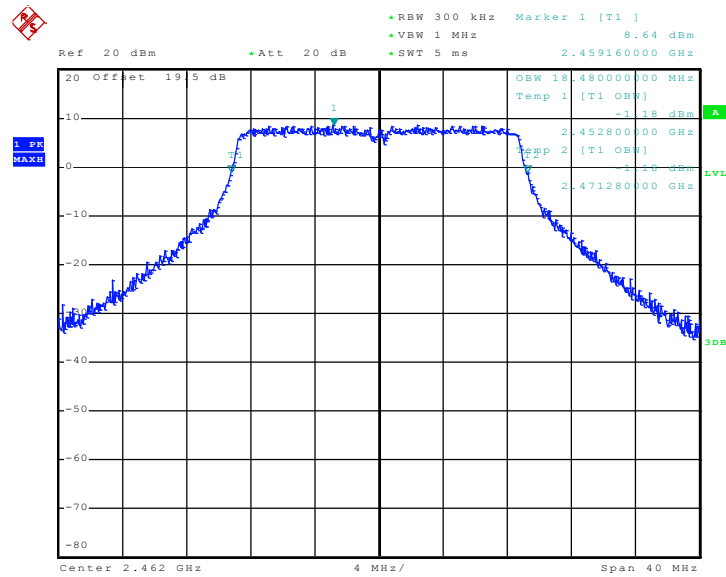
11 - Chain A+B(A)



Date: 8.NOV.2010 15:54:24

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel

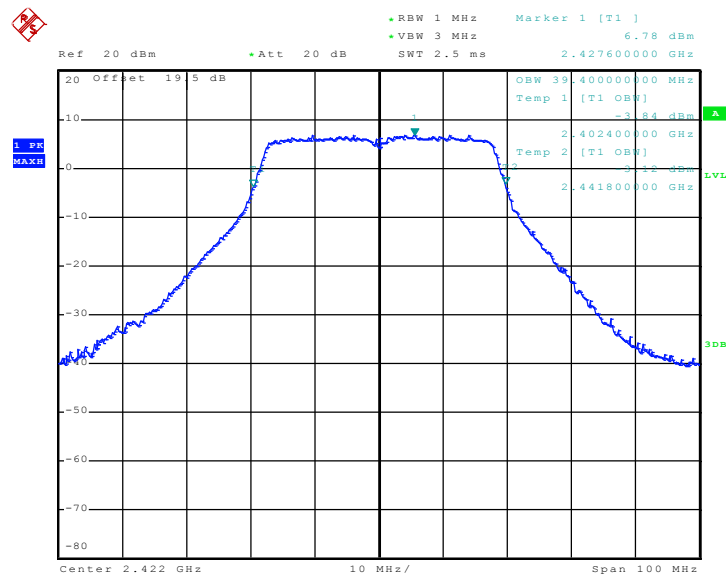
11 - Chain A+B(B)



Date: 8.NOV.2010 15:40:59

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

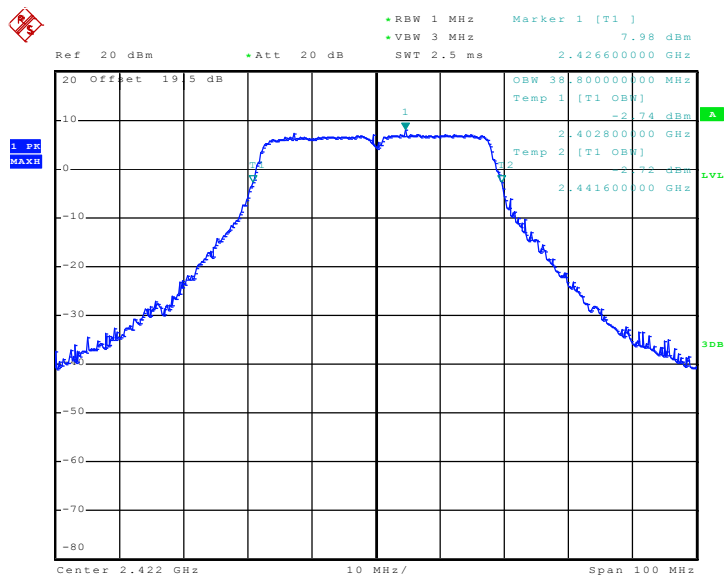
03 - Chain A



Date: 12.JAN.2011 21:04:02

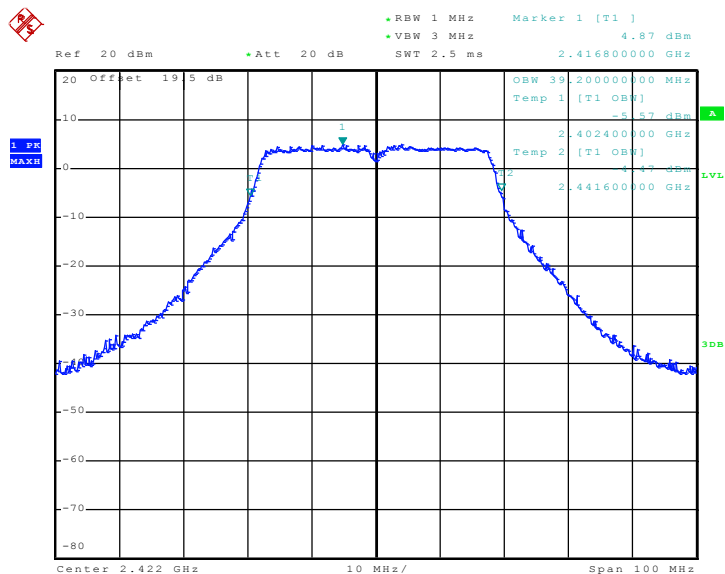
99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

03 - Chain B



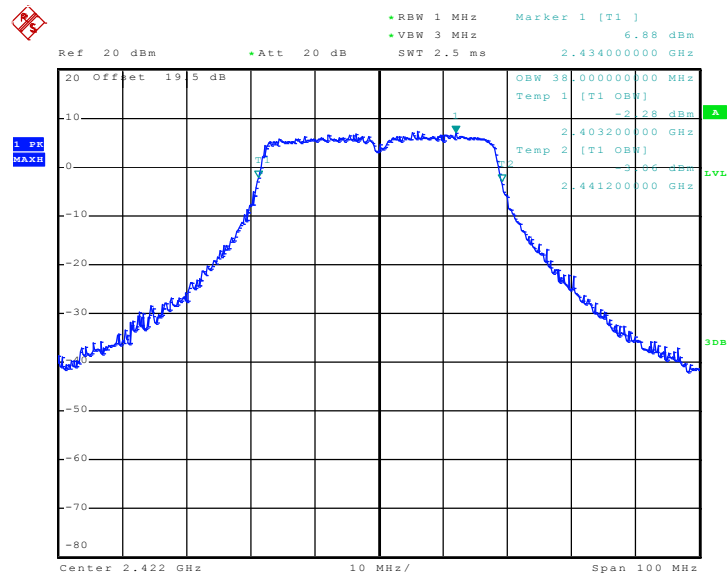
Date: 12.JAN.2011 21:22:25

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel
03 - Chain A+B(A)



Date: 12.JAN.2011 22:04:17

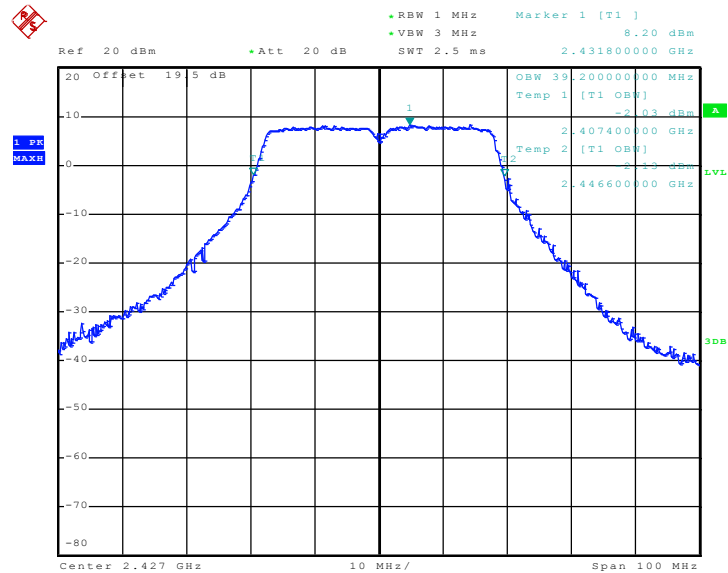
99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel
03 - Chain A+B(B)



Date: 12.JAN.2011 21:47:00

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

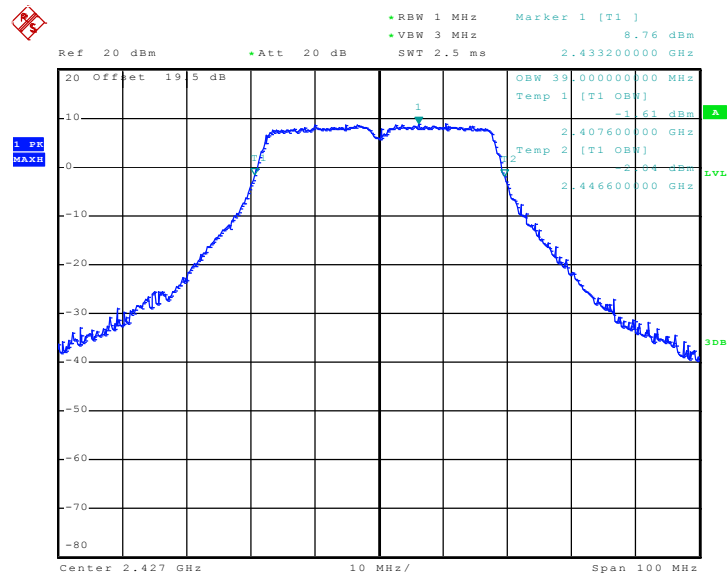
04 - Chain A



Date: 12.JAN.2011 21:04:55

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

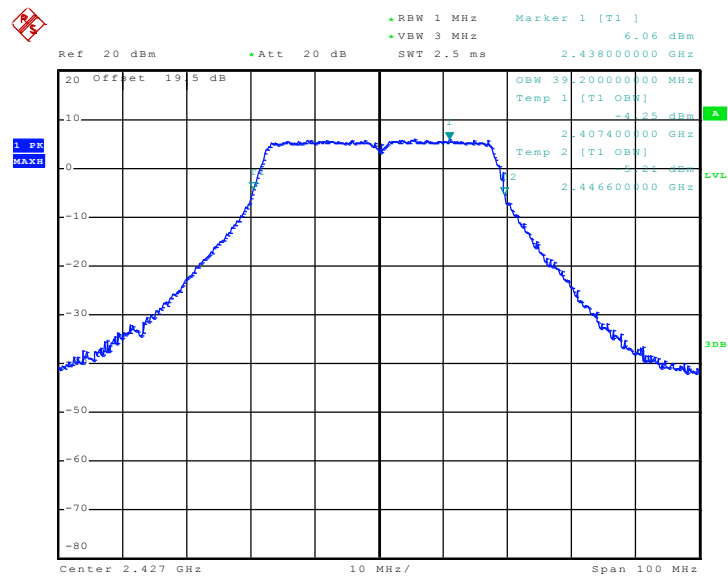
04 - Chain B



Date: 12.JAN.2011 21:21:48

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

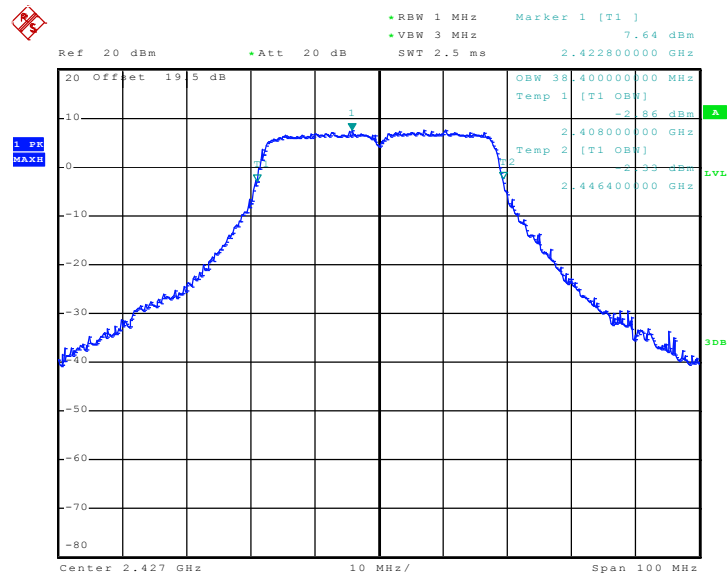
04 - Chain A+B(A)



Date: 12.JAN.2011 22:02:37

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

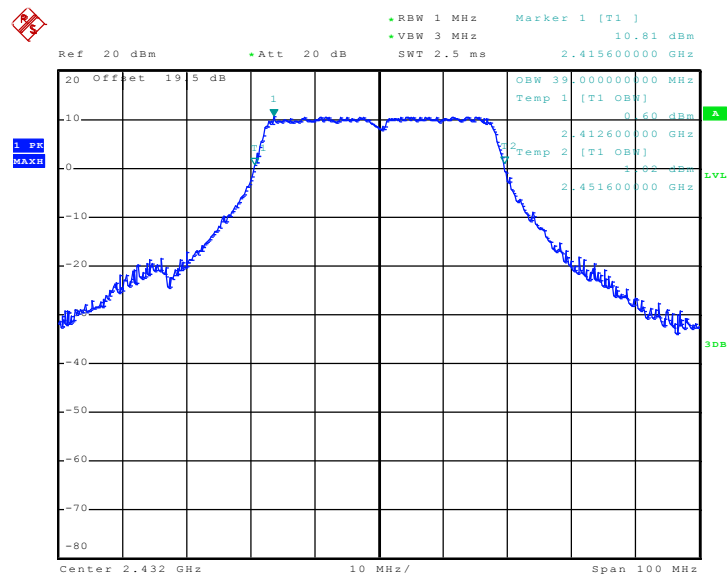
04 - Chain A+B(B)



Date: 12.JAN.2011 21:47:46

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

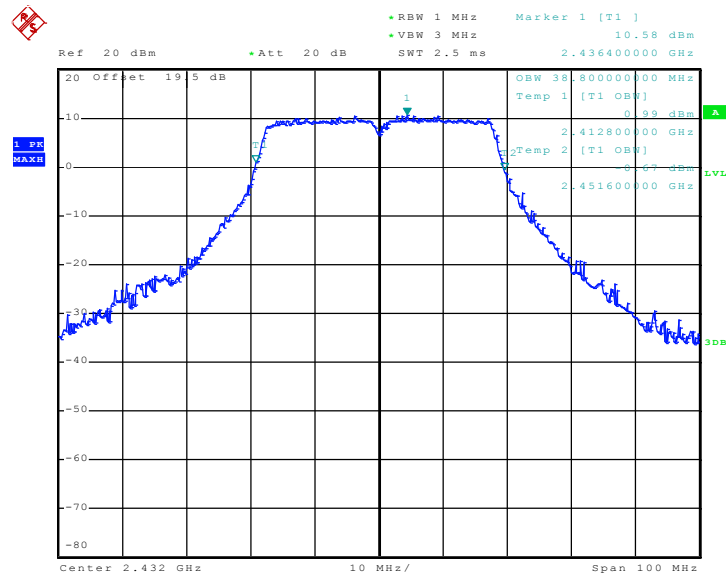
05 - Chain A



Date: 12.JAN.2011 21:06:34

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

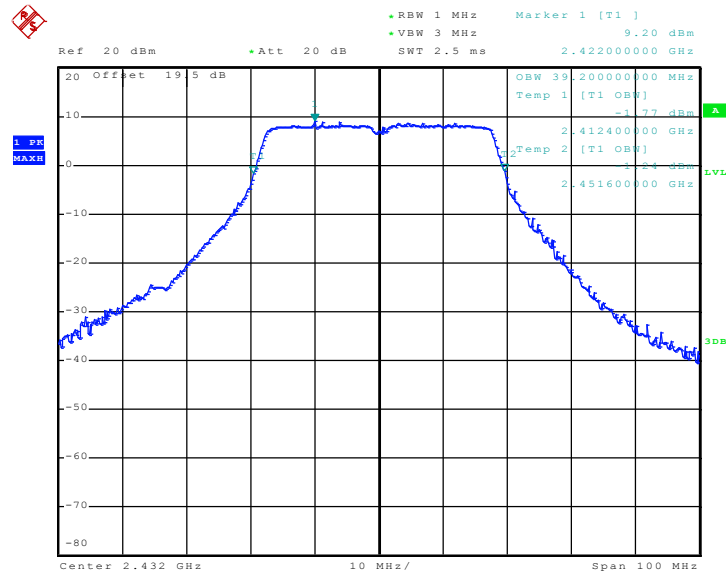
05 - Chain B



Date: 12.JAN.2011 21:20:49

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

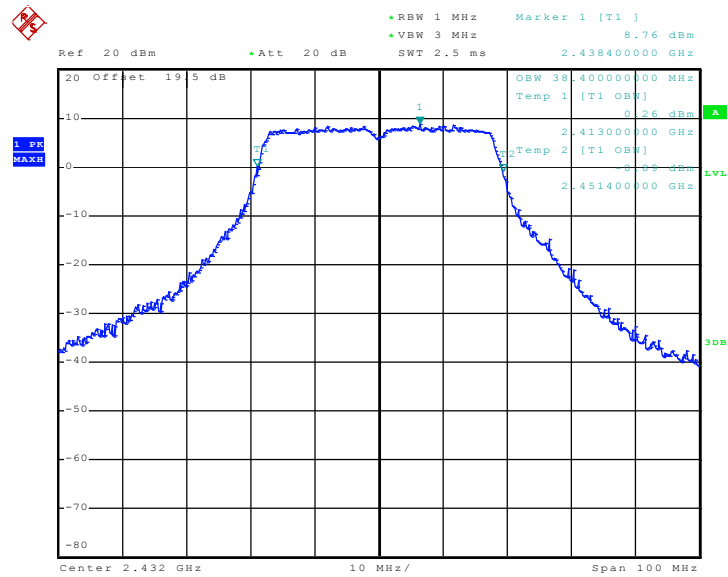
05 - Chain A+B(A)



Date: 12.JAN.2011 22:01:39

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

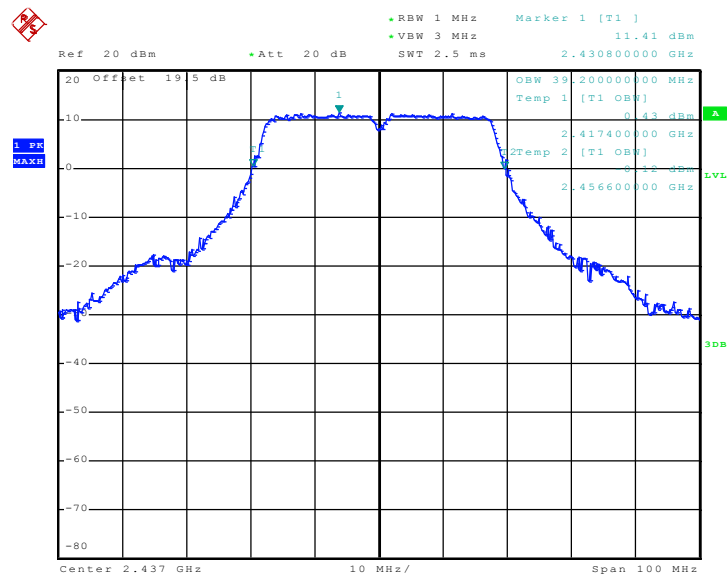
05 - Chain A+B(B)



Date: 12.JAN.2011 21:48:45

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

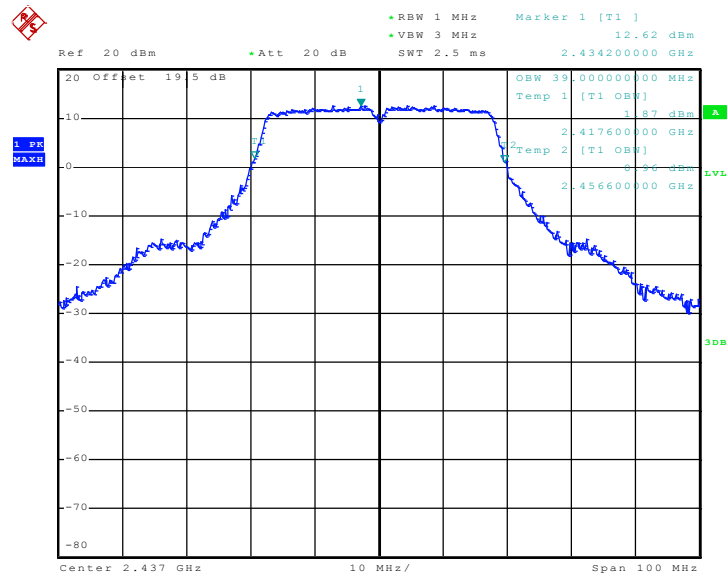
06 - Chain A



Date: 12.JAN.2011 21:07:51

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

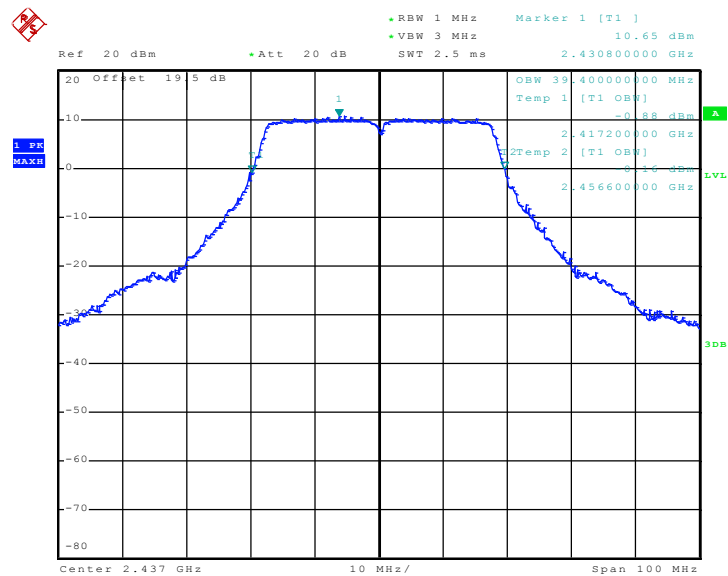
06 - Chain B



Date: 12.JAN.2011 21:18:54

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

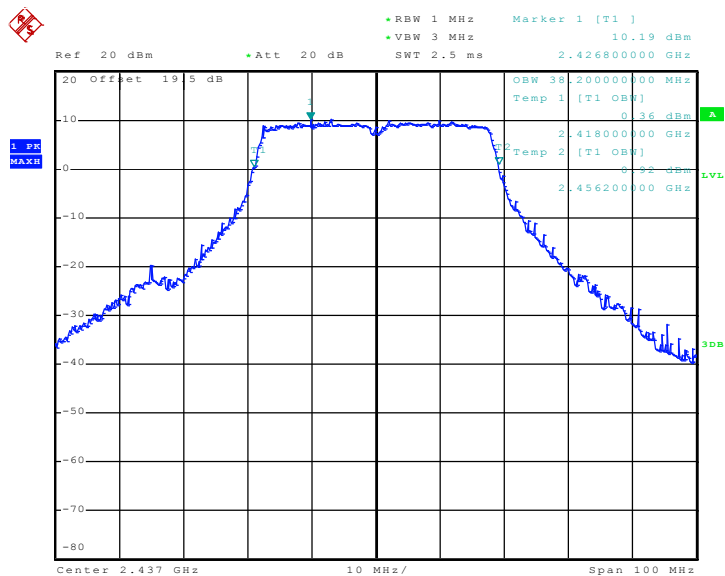
06 - Chain A+B(A)



Date: 12.JAN.2011 21:59:28

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

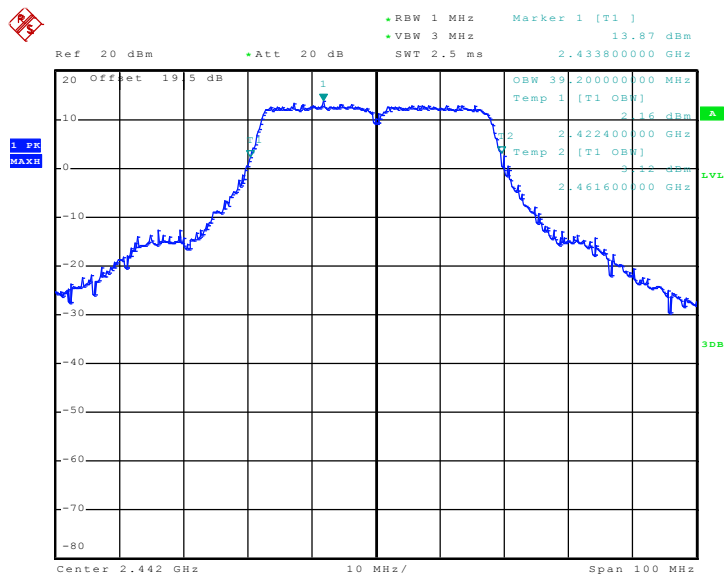
06 - Chain A+B(B)



Date: 12.JAN.2011 21:49:45

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

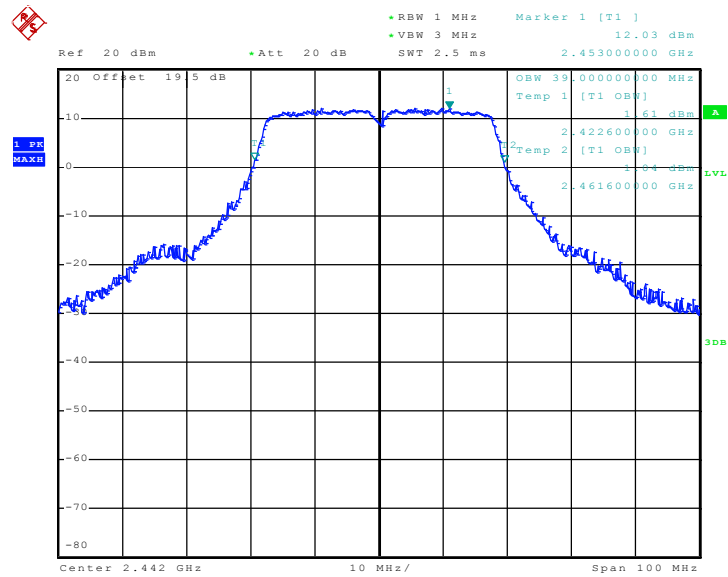
07 - Chain A



Date: 12.JAN.2011 21:09:08

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

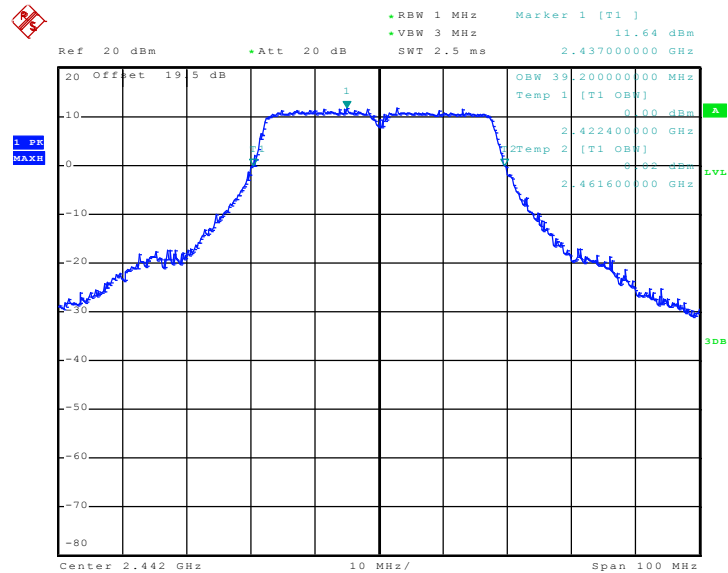
07 - Chain B



Date: 12.JAN.2011 21:17:50

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

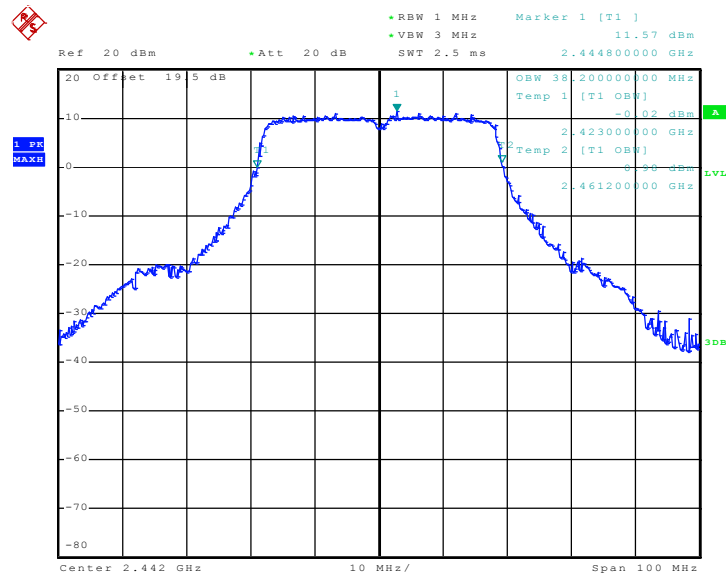
07 - Chain A+B(A)



Date: 12.JAN.2011 21:58:03

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

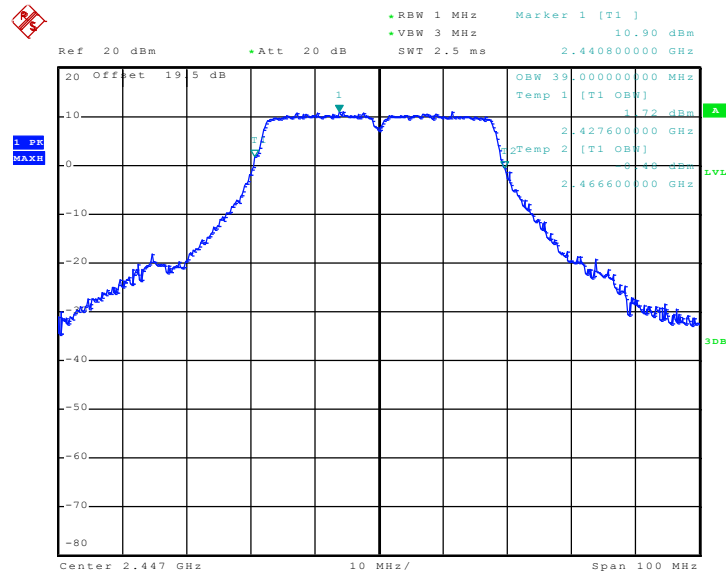
07 - Chain A+B(B)



Date: 12.JAN.2011 21:50:44

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

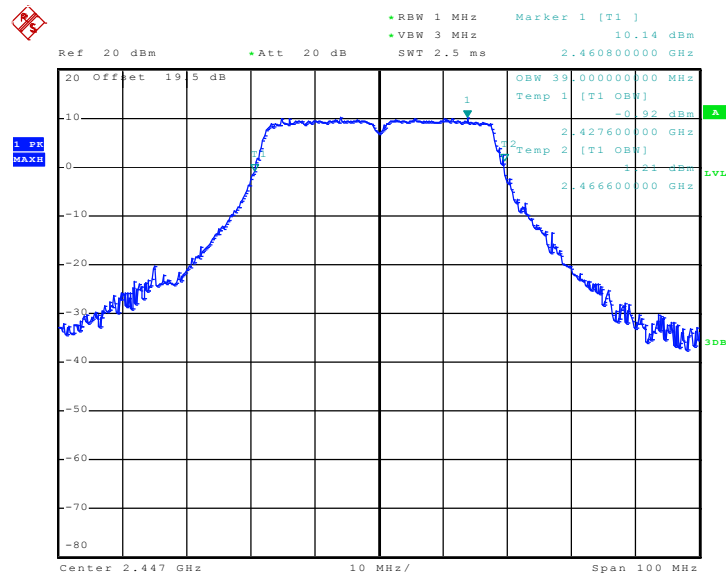
08 - Chain A



Date: 12.JAN.2011 21:10:29

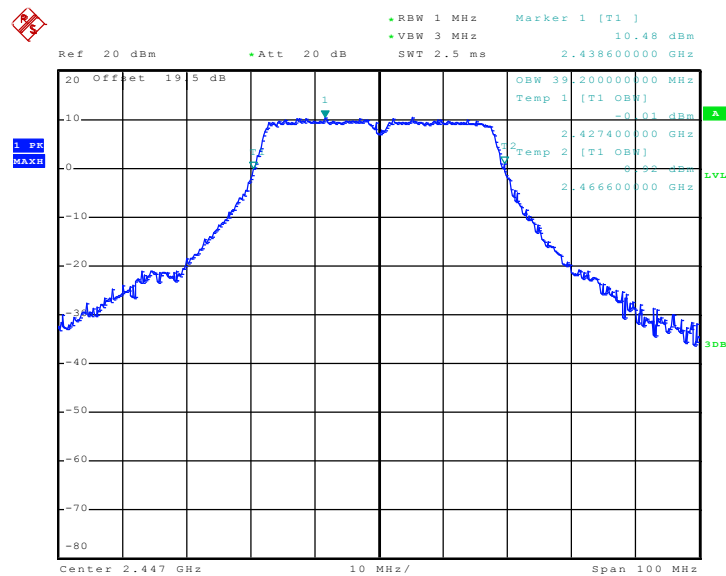
99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

08 - Chain B



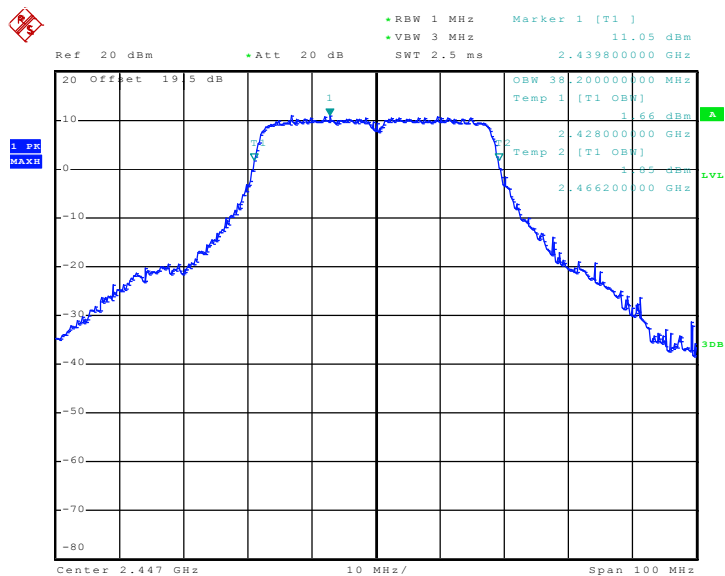
Date: 12.JAN.2011 21:16:47

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel
08 - Chain A+B(A)



Date: 12.JAN.2011 21:56:50

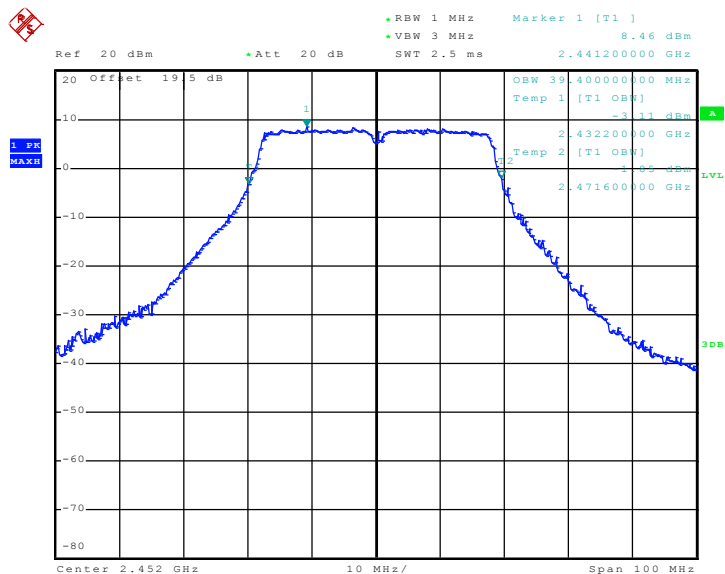
99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel
08 - Chain A+B(B)



Date: 12.JAN.2011 21:52:21

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

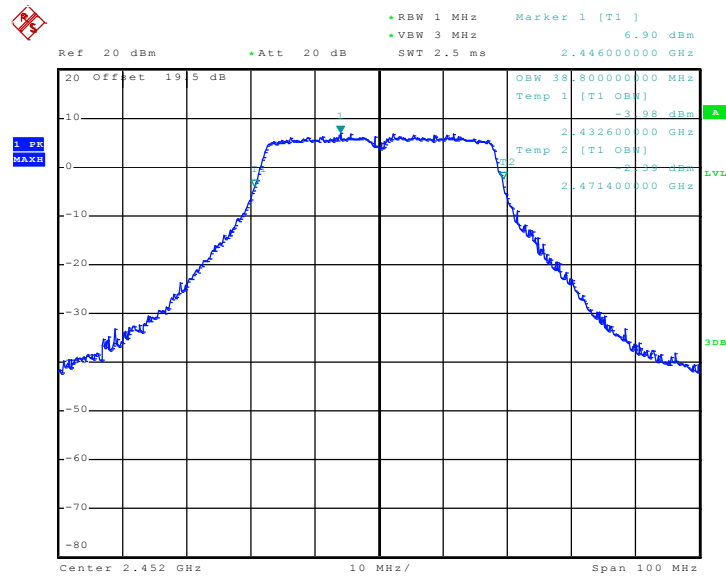
09 - Chain A



Date: 12.JAN.2011 21:11:13

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

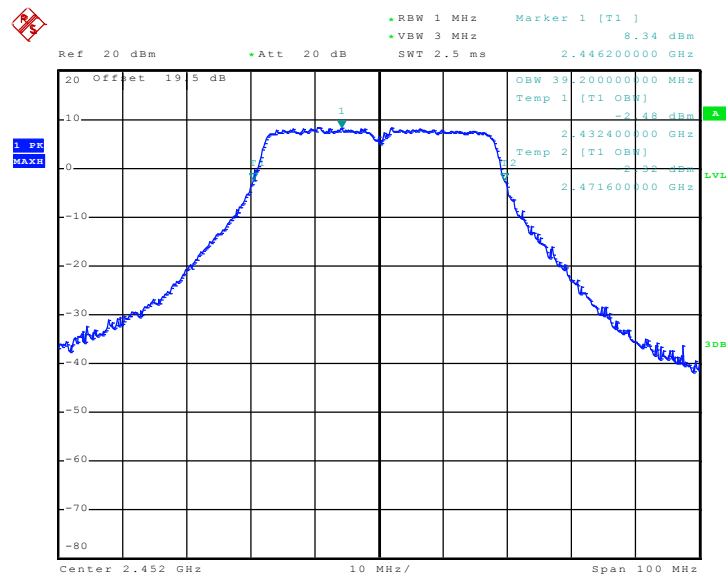
09 - Chain B



Date: 12.JAN.2011 21:15:55

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

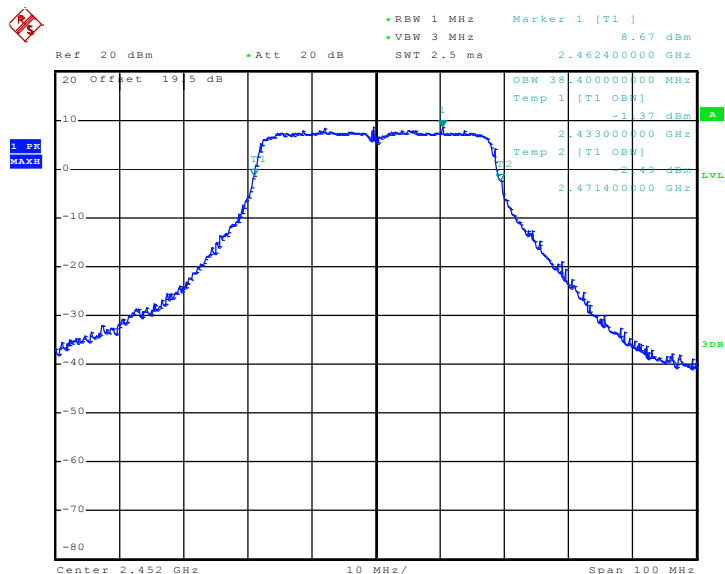
09 - Chain A+B(A)



Date: 12.JAN.2011 21:55:42

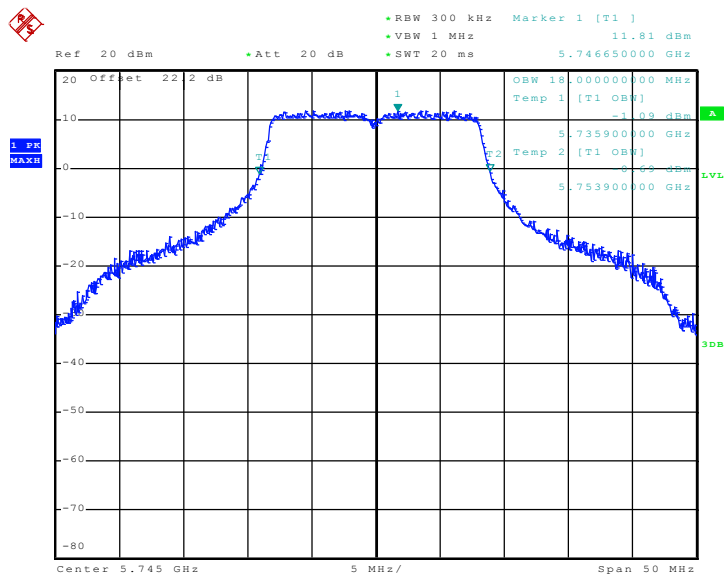
99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

09 - Chain A+B(B)



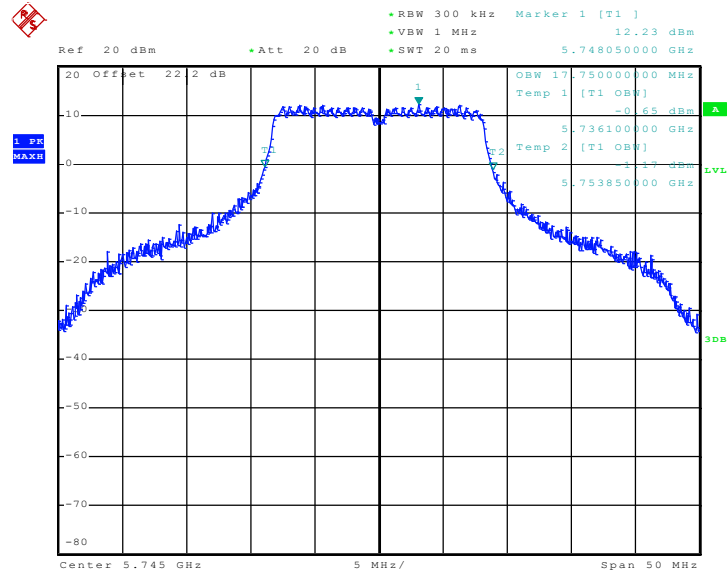
Date: 12.JAN.2011 21:53:36

99% Occupied Bandwidth Plot on 802.11a Channel 149 - Chain A



Date: 10.NOV.2010 02:02:10

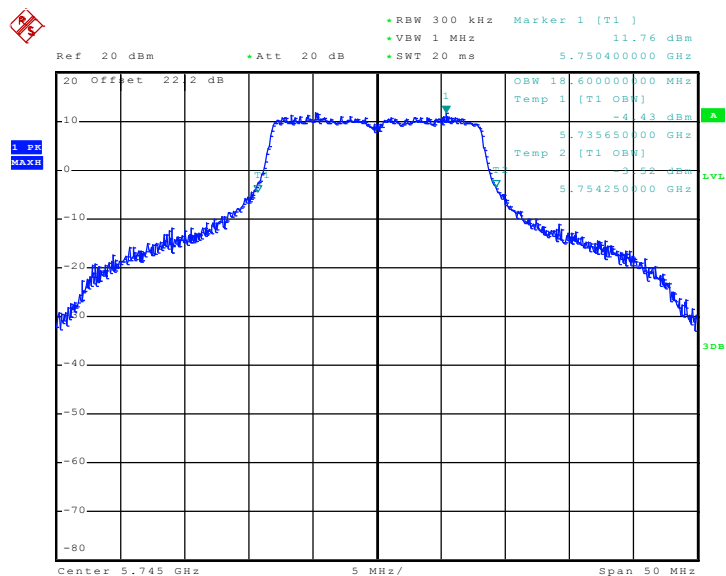
99% Occupied Bandwidth Plot on 802.11a Channel 149 - Chain B



Date: 10.NOV.2010 02:33:18

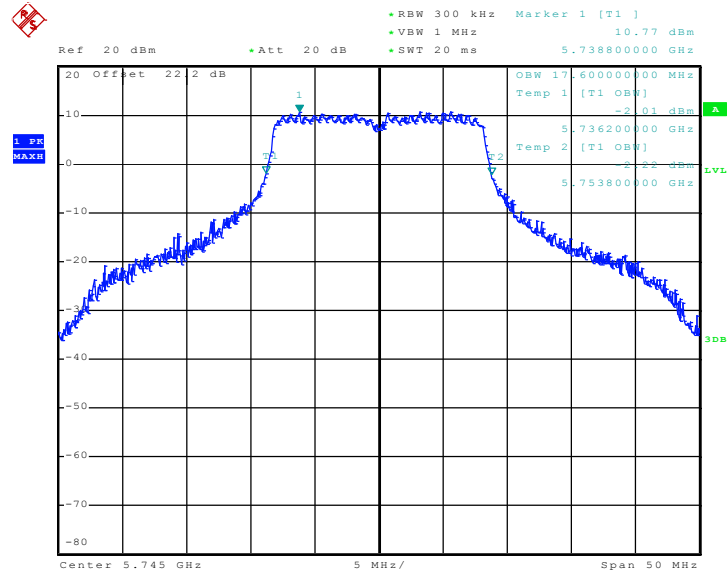


99% Occupied Bandwidth Plot on 802.11a Channel 149 - Chain
A+B(A)



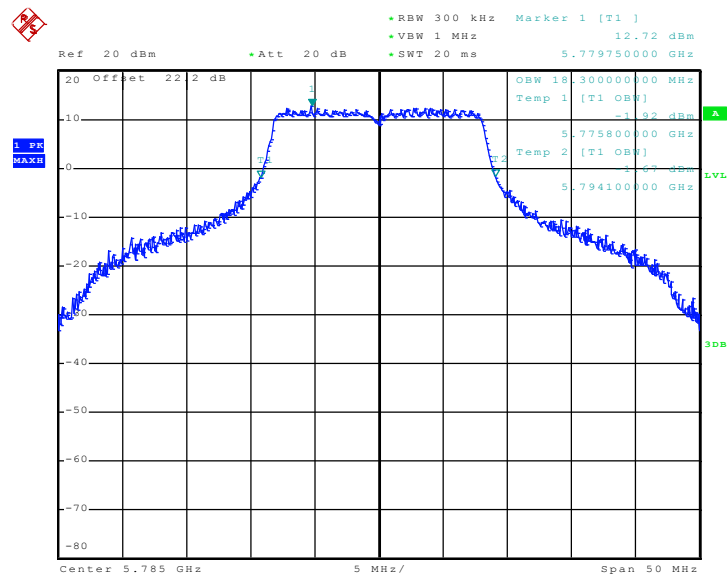
Date: 10.NOV.2010 10:22:10

99% Occupied Bandwidth Plot on 802.11a Channel 149 - Chain
A+B(B)



Date: 10.NOV.2010 10:14:10

99% Occupied Bandwidth Plot on 802.11a Channel 157 - Chain A



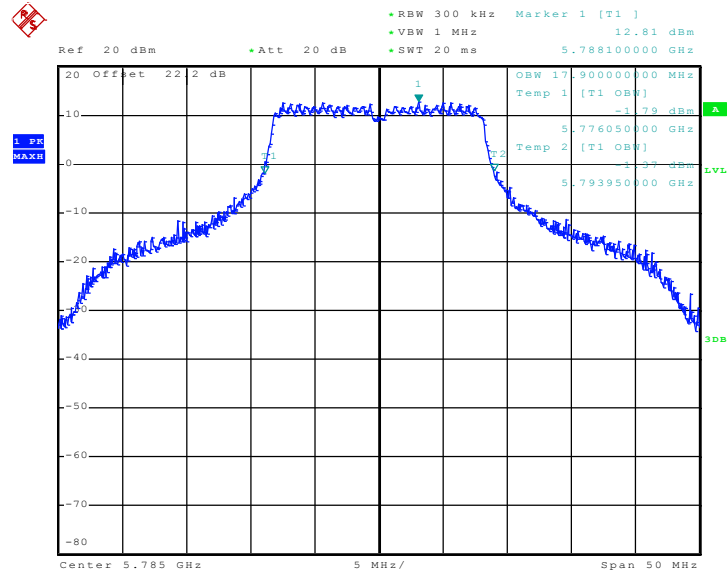
Date: 10.NOV.2010 02:05:26

99% Occupied Bandwidth Plot on 802.11a Channel 157 - Chain B



FCC RF Test Report

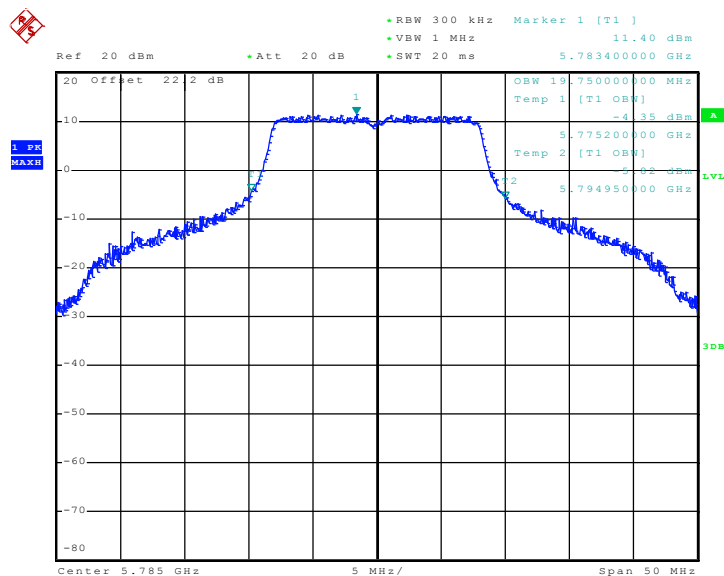
Report No. : FR092308A



Date: 10.NOV.2010 02:31:03

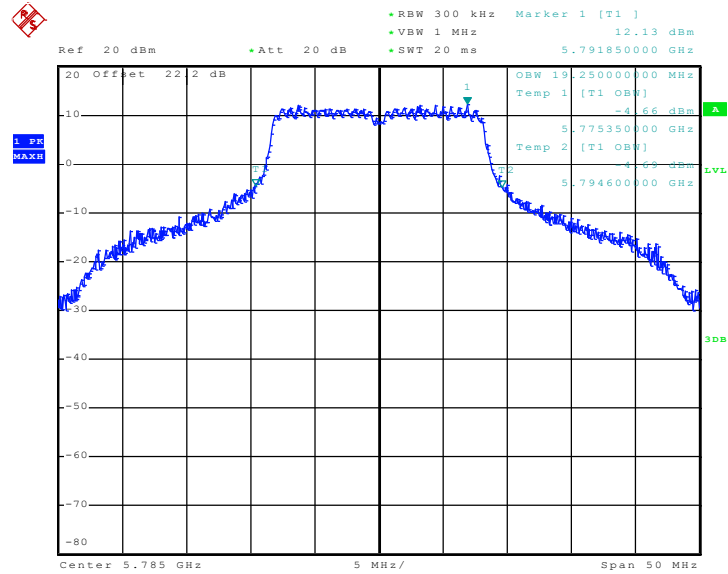


99% Occupied Bandwidth Plot on 802.11a Channel 157 - Chain
A+B(A)



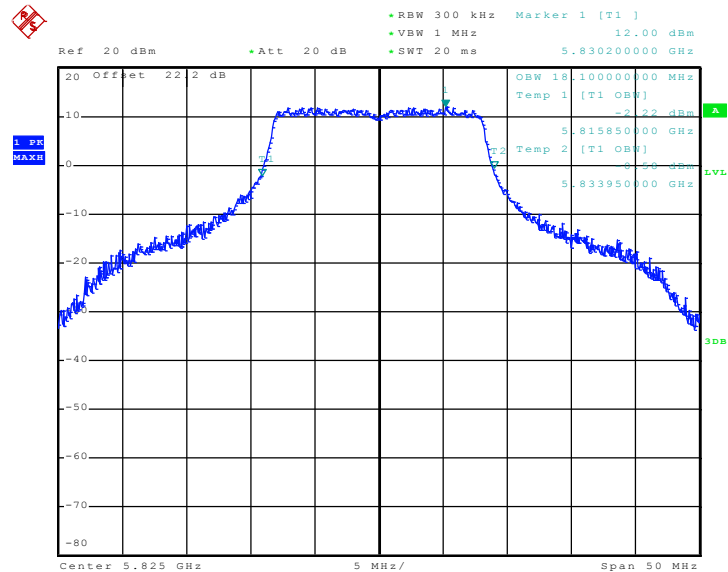
Date: 17.NOV.2010 07:32:09

99% Occupied Bandwidth Plot on 802.11a Channel 157 - Chain
A+B(B)



Date: 17.NOV.2010 08:16:45

99% Occupied Bandwidth Plot on 802.11a Channel 165 - Chain A



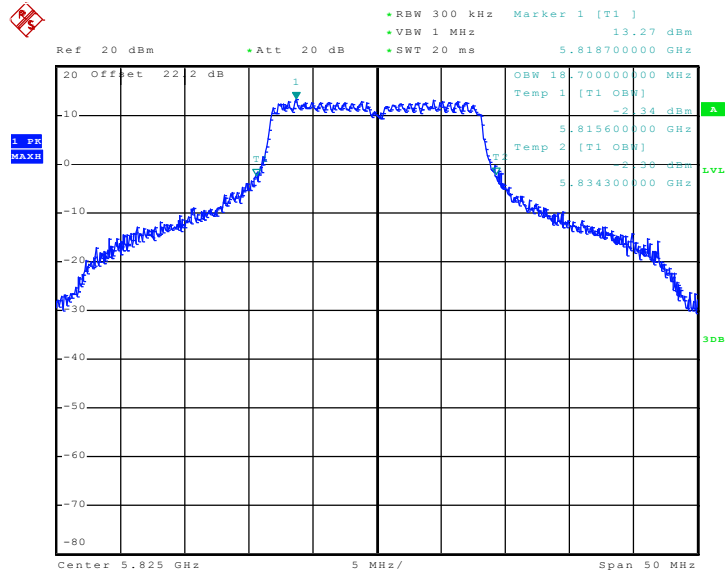
Date: 10.NOV.2010 02:08:26

99% Occupied Bandwidth Plot on 802.11a Channel 165 - Chain B



FCC RF Test Report

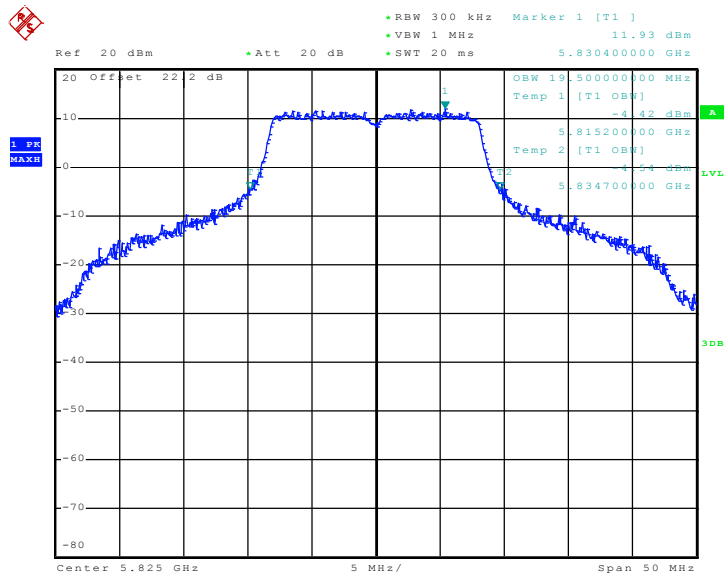
Report No. : FR092308A



Date: 10.NOV.2010 02:28:37

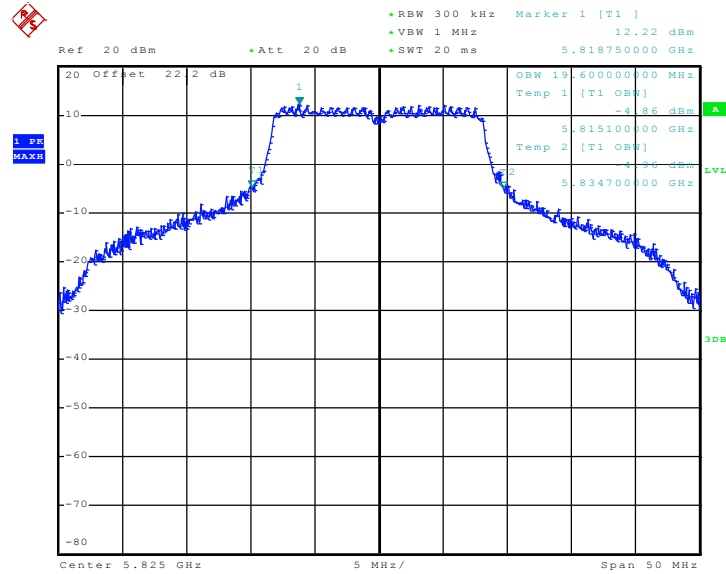


99% Occupied Bandwidth Plot on 802.11a Channel 165 - Chain
A+B(A)



Date: 17.NOV.2010 07:49:43

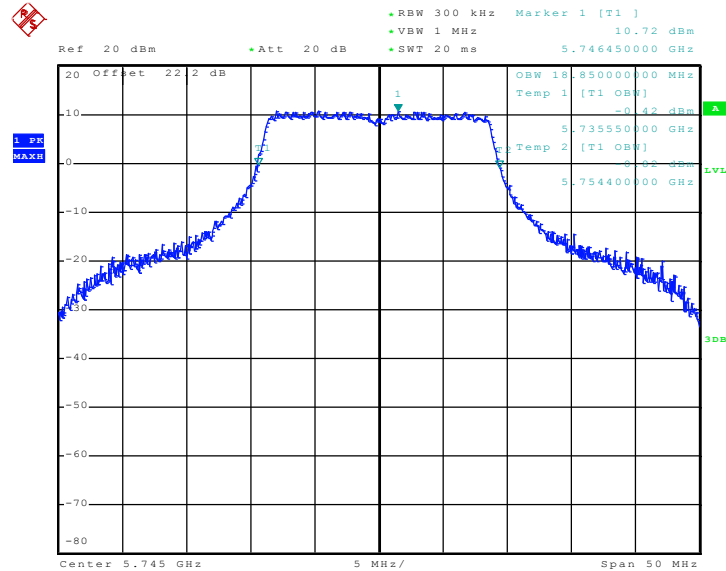
99% Occupied Bandwidth Plot on 802.11a Channel 165 - Chain
A+B(B)



Date: 17.NOV.2010 08:02:53

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel

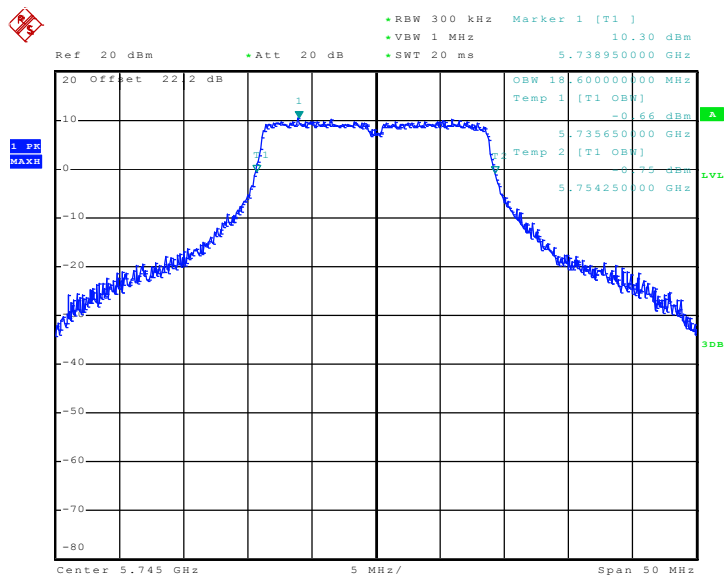
149 - Chain A



Date: 10.NOV.2010 03:14:07

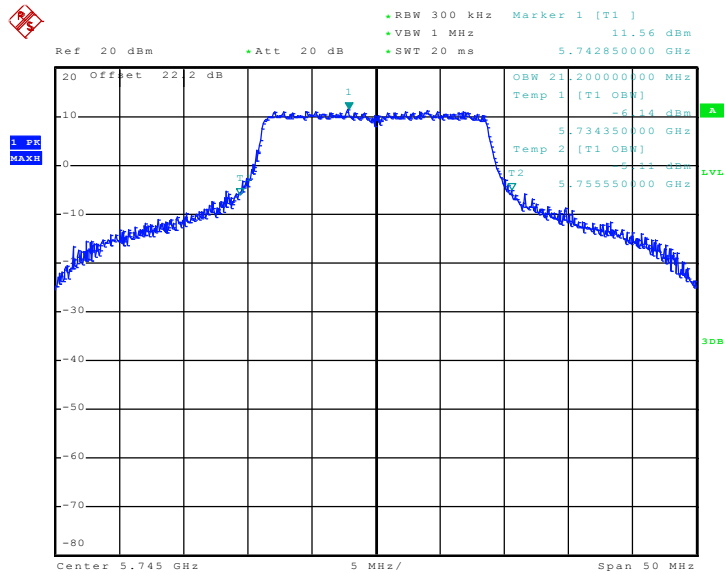
99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel

149 - Chain B



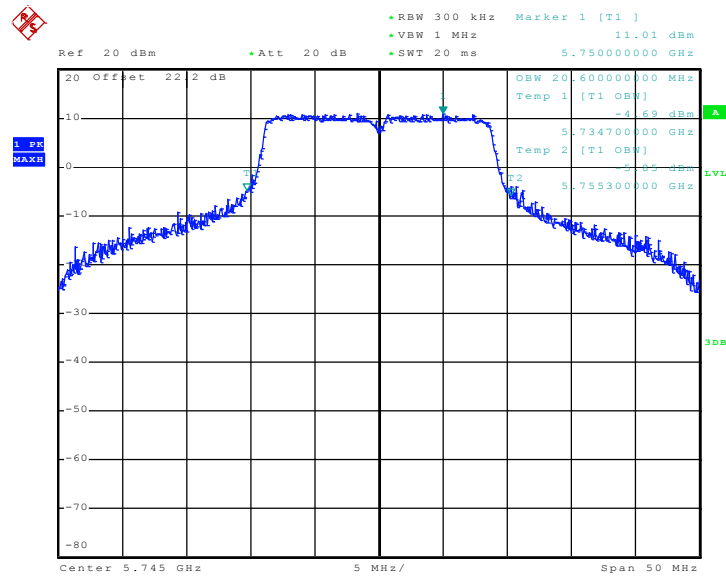
Date: 10.NOV.2010 02:50:02

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel
149 - Chain A+B(A)



Date: 17.NOV.2010 09:45:24

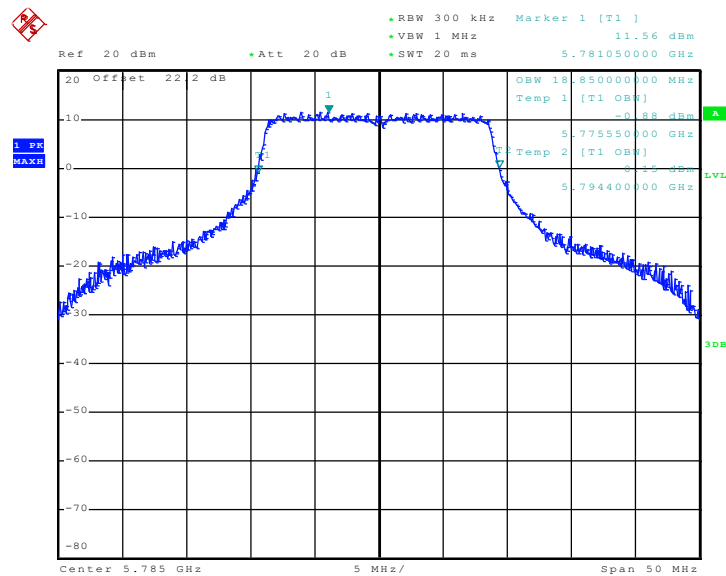
99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel
149 - Chain A+B(B)



Date: 17.NOV.2010 09:09:49

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel

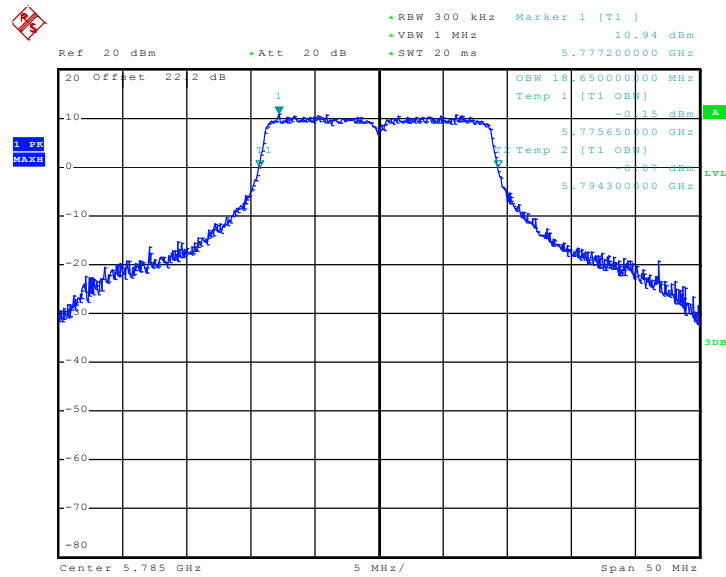
157 - Chain A



Date: 10.NOV.2010 03:10:51

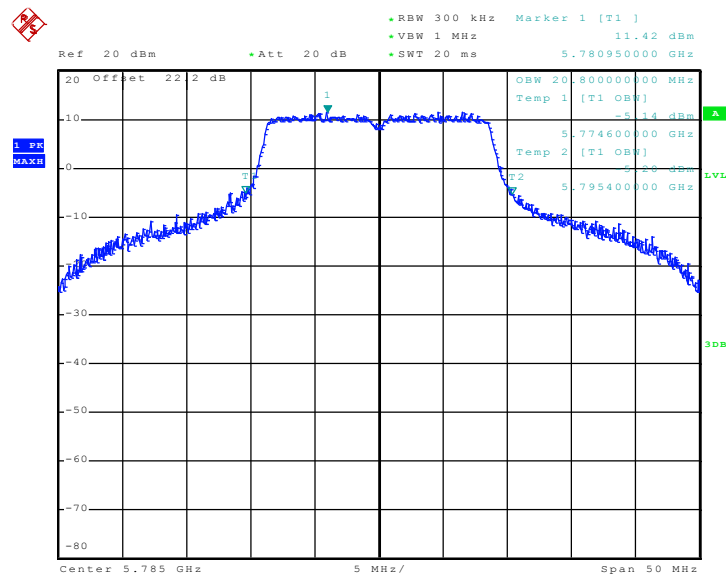
99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel

157 - Chain B



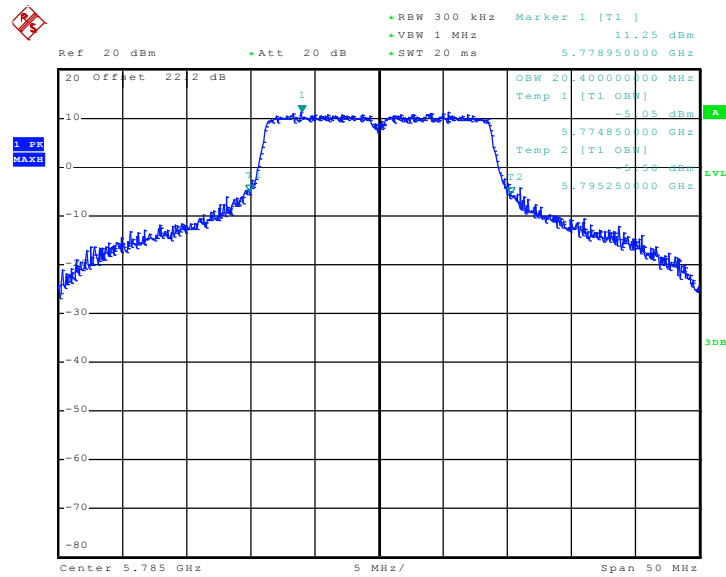
Date: 10.NOV.2010 02:51:49

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel
157 - Chain A+B(A)



Date: 17.NOV.2010 09:49:25

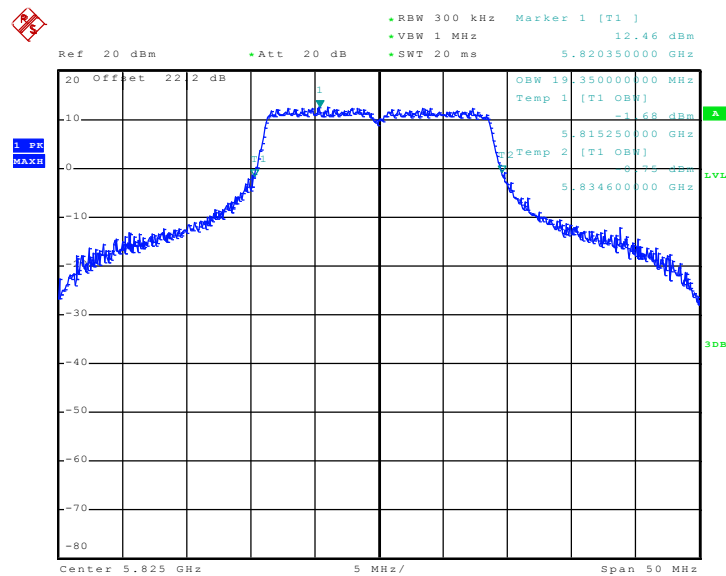
99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel
157 - Chain A+B(B)



Date: 17.NOV.2010 08:34:58

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel

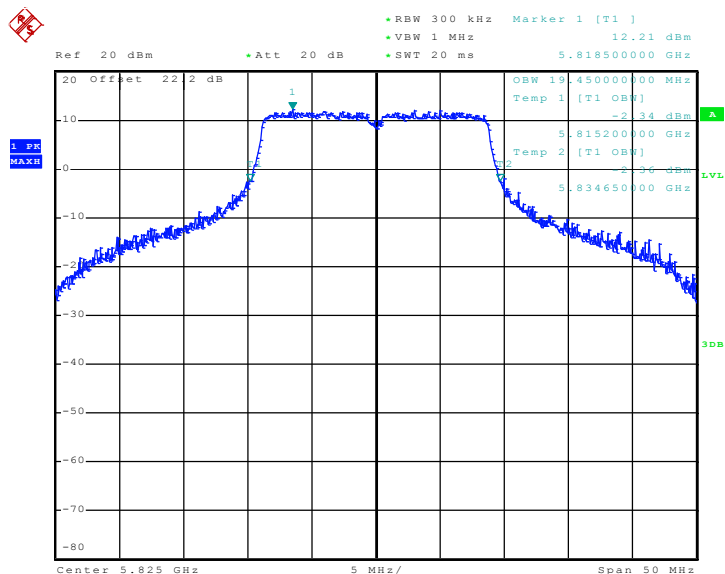
165 - Chain A



Date: 10.NOV.2010 03:08:58

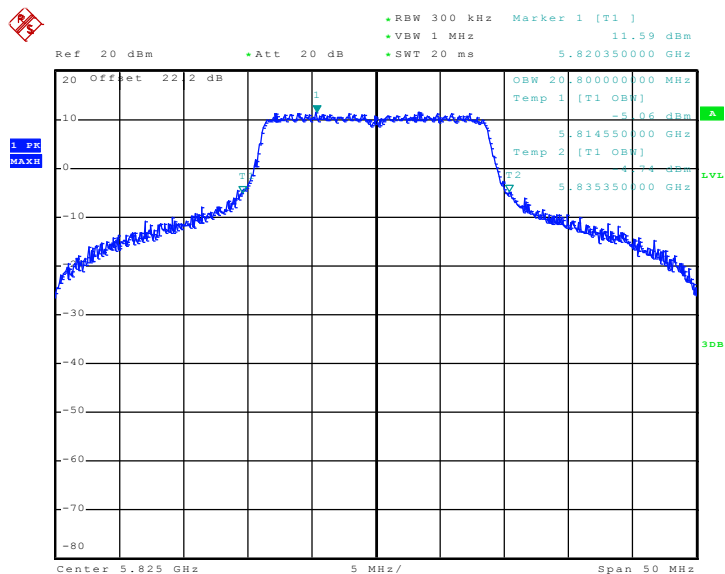
99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel

165 - Chain B



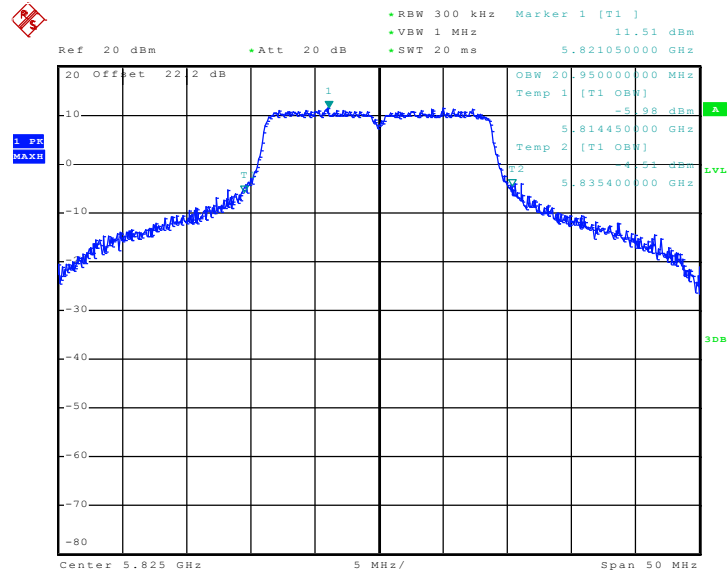
Date: 10.NOV.2010 02:54:48

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel
165 - Chain A+B(A)



Date: 17.NOV.2010 10:02:56

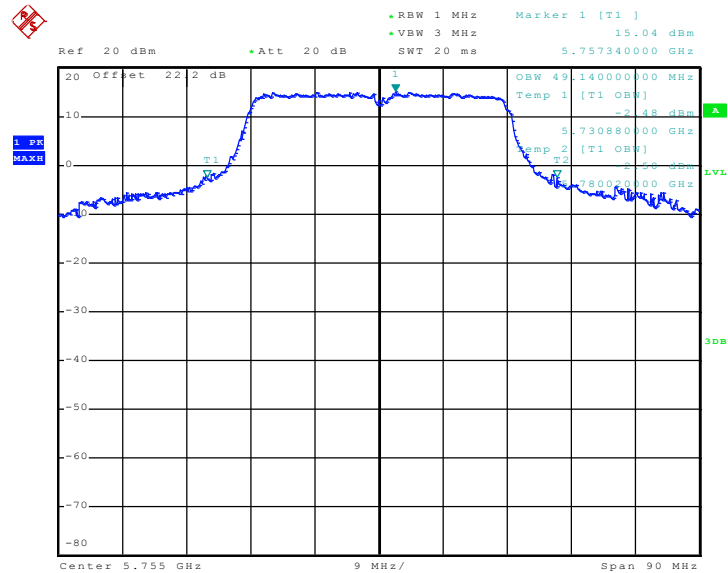
99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel
165 - Chain A+B(B)



Date: 17.NOV.2010 09:04:45

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

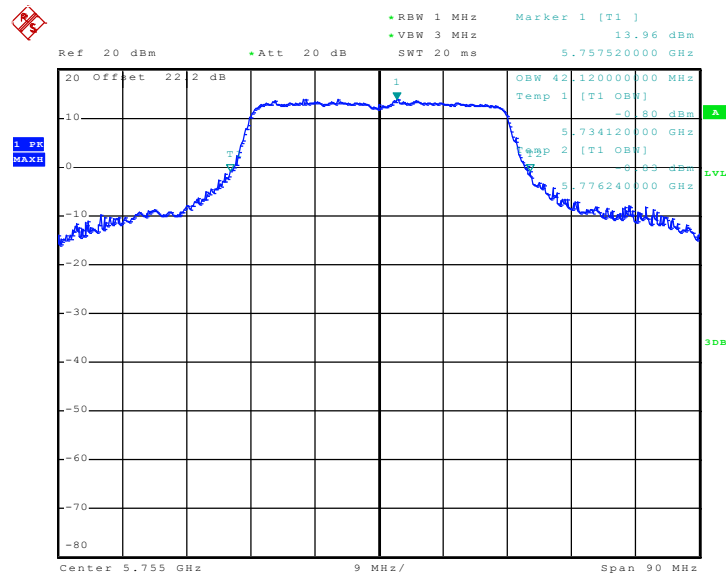
151 - Chain A



Date: 12.JAN.2011 21:34:08

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

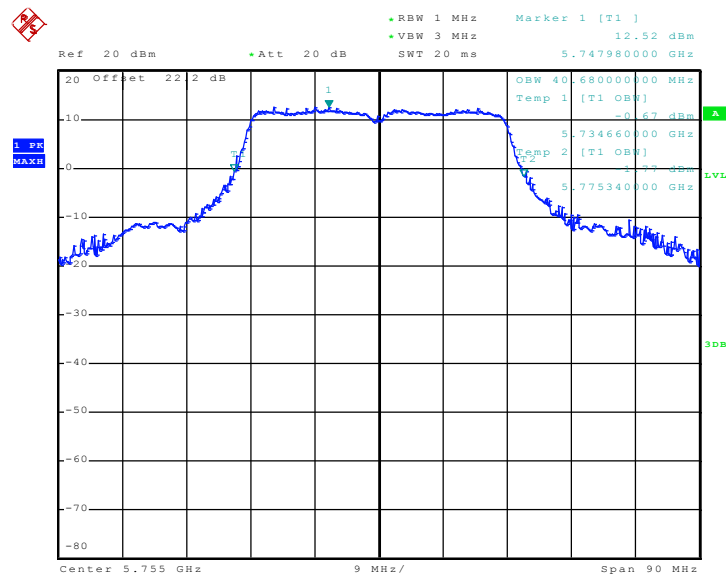
151 - Chain B



Date: 12.JAN.2011 21:27:59

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

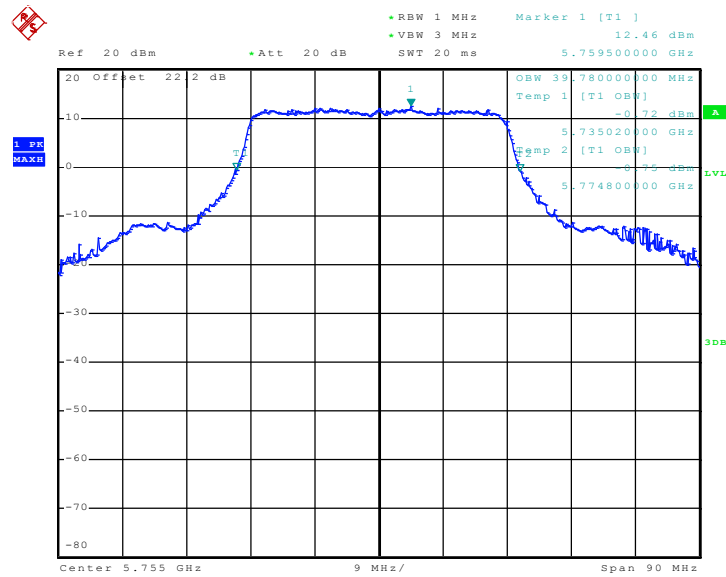
151 - Chain A+B(A)



Date: 12.JAN.2011 21:38:37

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

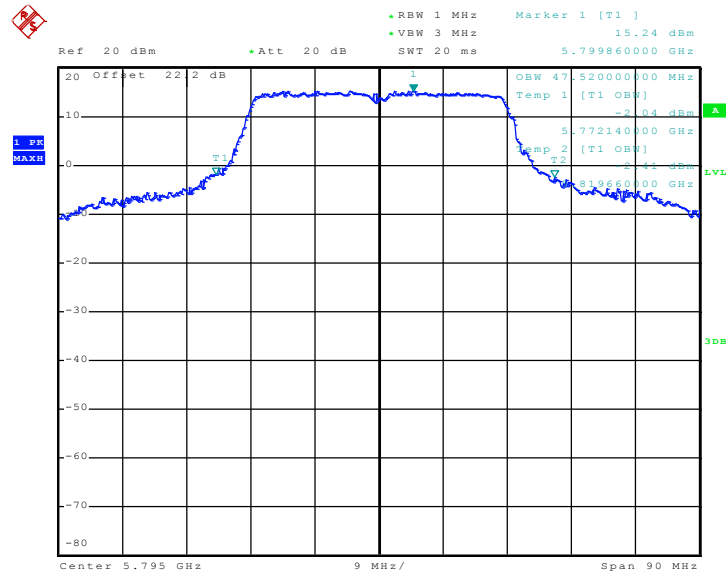
151 - Chain A+B(B)



Date: 12.JAN.2011 21:41:59

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

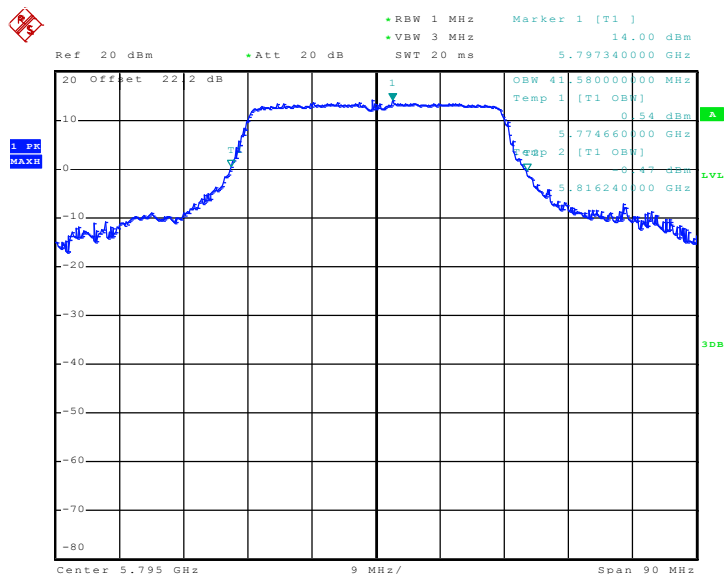
159 - Chain A



Date: 12.JAN.2011 21:32:29

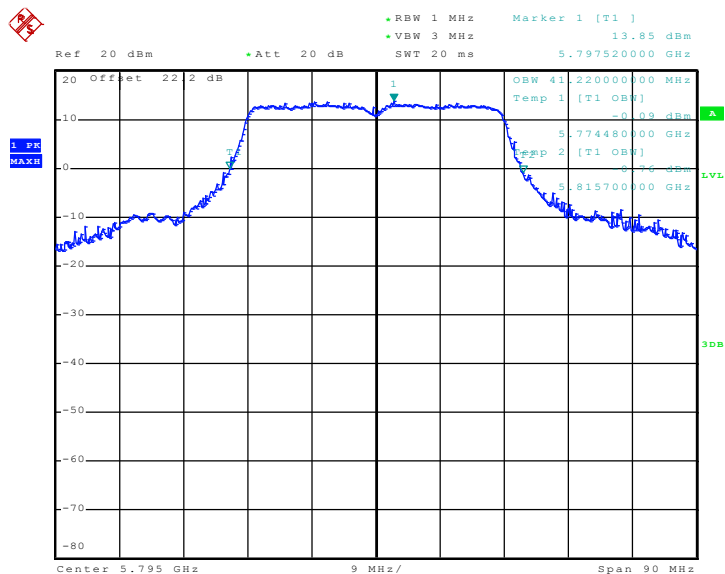
99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

159 - Chain B



Date: 12.JAN.2011 21:28:58

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel
159 - Chain A+B(A)



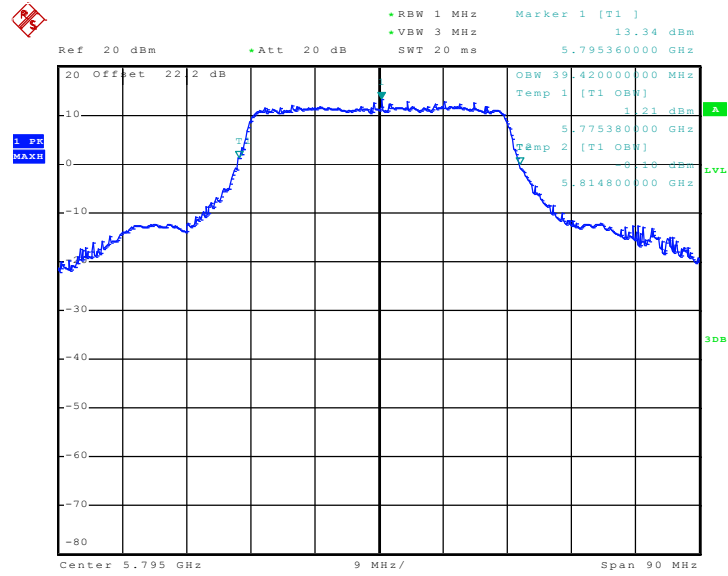
Date: 12.JAN.2011 21:39:28

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel
159 - Chain A+B(B)



FCC RF Test Report

Report No. : FR092308A



Date: 12.JAN.2011 21:41:00

3.2 Output Power Measurement

3.2.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5MHz and 5725-5850MHz, the limit for peak output power is 30dBm. If transmitting antenna of directional gain greater than 6dBi are used the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

3.2.2 Measuring Instruments

See list of measuring instruments of this test report.

3.2.3 Test Procedures

1. The testing follows FCC KDB Publication No. 558074 (Measurement Guidelines of DTS).
2. The RF output of EUT was connected to the power meter by a low loss cable.
3. Power sensor will link with the power meter before we start the testing. We will check the zero and calibration of power sensor and make sure the correction factor of power meter and power sensor. The path Loss in 2400~2483.5MHz is 19.5dB and in 5725~5850MHz is 22.2dB.
4. Measure the power by power meter and power sensor (Peak and Average).
5. The cable loss (0.5 dB) and attenuator loss (19 dB) are normalized / entered in to the power meter as an offset as below examples,
 - (1) For SISO mode,
<Antenna 1 for 4.5V>: For 802.11b Channel 01 Chain A, the final power in test report is 26.29 dBm which is the reading of Power Meter with offsetted cable loss (0.5 dB), and attenuator loss (19 dB).

(2) For MIMO mode, each chain was measured individually and calculated with the formula of $10 \cdot \log(10^{\text{chain A}/10} + 10^{\text{chain B}/10})$.

<Antenna 1 for 4.5V>: For 802.11b Channel 01 Chain A+B: the total final power is 26.61 dBm from the formula of $10 \cdot \log(10^{(23.60 \text{ dBm}/10)} + 10^{(23.59 \text{ dBm}/10)})$.

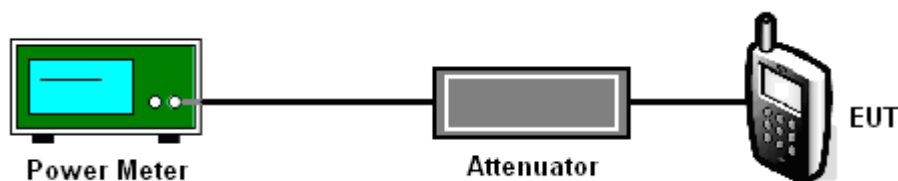
(a) Conducted Output Power on 802.11b Channel 01 - Chain A+B (A): 23.60 dBm

(b) Conducted Output Power on 802.11b Channel 01 - Chain A+B (B): 23.59 dBm.

All results has already offseted with cable loss (0.5 dB), and attenuator loss (19 dB).

6. When the radio transmitter enables both transmit chains, the power on each chain is reduced below when only chain A or chain B is enabled.

3.2.4 Test Setup



3.2.5 Test Result of Output Power

<Antenna 1 for 4.5V>

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11b (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	1	24	23.46	26.29	30	Pass
02	2417	1	24	24.00	26.05	30	Pass
06	2437	1	25.5	25.57	27.81	30	Pass
10	2457	1	25	24.67	27.11	30	Pass
11	2462	1	24	24.86	27.62	30	Pass

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11b (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	1	22	21.63	24.02	30	Pass
02	2417	1	22.5	21.77	24.22	30	Pass
06	2437	1	25.5	25.27	27.80	30	Pass
10	2457	1	24	23.61	25.98	30	Pass
11	2462	1	23.5	22.91	25.41	30	Pass

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11b (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	1	21.5	21.00	21.22	24.12	23.60	23.59	26.61	30	Pass
02	2417	1	21.5	21.01	21.03	24.03	23.45	23.48	26.48	30	Pass
06	2437	1	25	24.56	24.11	27.35	27.10	26.56	29.85	30	Pass
10	2457	1	23	22.61	22.45	25.54	25.15	25.04	28.11	30	Pass
11	2462	1	22	21.70	21.50	24.61	24.10	24.05	27.09	30	Pass



Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11g (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	6	18	17.79	28.37	30	Pass
02	2417	6	20	19.68	29.77	30	Pass
06	2437	6	21	20.62	29.97	30	Pass
10	2457	6	20.5	20.13	29.90	30	Pass
11	2462	6	18.5	18.24	28.85	30	Pass

Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11g (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	6	18	18.19	28.26	30	Pass
02	2417	6	20.5	20.16	29.89	30	Pass
06	2437	6	21	20.58	29.95	30	Pass
10	2457	6	20.5	20.71	29.82	30	Pass
11	2462	6	17	17.58	27.81	30	Pass

Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11g (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	6	17	16.75	17.24	20.10	26.47	27.26	29.89	30	Pass
02	2417	6	17	16.87	16.51	19.70	26.85	26.71	29.79	30	Pass
06	2437	6	17	16.73	16.21	19.49	26.92	26.68	29.81	30	Pass
10	2457	6	17	16.93	17.08	20.02	26.79	26.75	29.78	30	Pass
11	2462	6	15.5	16.16	15.67	18.93	26.43	25.33	28.93	30	Pass



Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	MCS0	18	17.68	28.70	30	Pass
02	2417	MCS0	19.5	18.88	29.32	30	Pass
06	2437	MCS0	20.5	19.81	29.77	30	Pass
10	2457	MCS0	20.5	20.10	29.94	30	Pass
11	2462	MCS0	17.5	17.47	28.16	30	Pass

Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 20MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	MCS0	18	18.22	28.82	30	Pass
02	2417	MCS0	20.5	20.19	29.90	30	Pass
06	2437	MCS0	20.5	20.15	29.93	30	Pass
10	2457	MCS0	20	20.33	29.97	30	Pass
11	2462	MCS0	15.5	15.41	26.08	30	Pass

Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	MCS8	13	13.70	14.90	17.35	24.39	25.27	27.86	30	Pass
02	2417	MCS8	16.5	16.68	16.25	19.48	27.00	26.44	29.74	30	Pass
06	2437	MCS8	16.5	16.77	16.26	19.53	27.10	26.47	29.81	30	Pass
10	2457	MCS8	16.5	16.20	16.49	19.36	27.00	26.73	29.88	30	Pass
11	2462	MCS8	16.5	16.11	16.28	19.21	26.96	26.90	29.94	30	Pass



Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
03	2422	MCS0	12.5	12.68	24.46	30	Pass
04	2427	MCS0	14	14.52	26.41	30	Pass
05	2432	MCS0	16.5	16.74	28.52	30	Pass
06	2437	MCS0	17.5	17.50	29.27	30	Pass
07	2442	MCS0	19	19.08	29.85	30	Pass
08	2447	MCS0	16.5	16.22	27.79	30	Pass
09	2452	MCS0	14	14.74	26.94	30	Pass

Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
03	2422	MCS0	12	13.30	23.54	30	Pass
04	2427	MCS0	13.5	14.33	24.69	30	Pass
05	2432	MCS0	16.5	15.93	26.30	30	Pass
06	2437	MCS0	18.5	18.14	28.29	30	Pass
07	2442	MCS0	18	17.56	28.02	30	Pass
08	2447	MCS0	16.5	15.77	26.22	30	Pass
09	2452	MCS0	12.5	12.83	22.41	30	Pass



Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
03	2422	MCS8	10.5	10.49	12.36	14.54	21.11	22.39	24.81	30	Pass
04	2427	MCS8	12	12.35	13.47	15.96	22.63	23.03	25.84	30	Pass
05	2432	MCS8	13.5	14.37	14.43	17.41	24.64	24.71	27.69	30	Pass
06	2437	MCS8	16	16.23	15.98	19.12	26.88	27.01	29.96	30	Pass
07	2442	MCS8	17	17.60	16.81	20.23	27.19	26.61	29.92	30	Pass
08	2447	MCS8	16.5	16.30	16.09	19.21	27.03	26.46	29.76	30	Pass
09	2452	MCS8	13.5	14.41	14.15	17.29	24.58	24.73	27.67	30	Pass

Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	6	22	22.95	27.50	30	Pass
157	5785	6	22	22.72	27.46	30	Pass
165	5825	6	22	22.28	27.34	30	Pass

Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	6	22	22.56	27.38	30	Pass
157	5785	6	22	22.64	27.34	30	Pass
165	5825	6	22	22.63	27.27	30	Pass



Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
149	5745	6	19	20.10	19.74	22.93	27.04	26.63	29.85	30	Pass
157	5785	6	19.5	20.51	20.10	23.32	26.93	26.52	29.74	30	Pass
165	5825	6	20	20.58	20.52	23.56	27.00	26.64	29.83	30	Pass

Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	MCS0	22.5	23.41	27.66	30	Pass
157	5785	MCS0	22.5	23.23	27.66	30	Pass
165	5825	MCS0	22.5	22.21	27.37	30	Pass

Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	MCS0	22.5	23.36	27.59	30	Pass
157	5785	MCS0	22.5	23.04	27.48	30	Pass
165	5825	MCS0	22.5	23.37	27.37	30	Pass



Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
149	5745	MCS8	20.5	19.07	18.63	21.87	26.93	26.57	29.76	30	Pass
157	5785	MCS8	22.0	19.61	19.27	22.45	26.85	26.47	29.67	30	Pass
165	5825	MCS8	22.0	20.63	20.21	23.44	26.91	26.50	29.72	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
151	5755	MCS0	22.5	23.25	27.52	30	Pass
159	5795	MCS0	22.5	22.98	27.61	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
151	5755	MCS0	22.5	23.19	27.38	30	Pass
159	5795	MCS0	22.5	23.08	27.22	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
151	5755	MCS8	18.5	19.15	19.21	22.19	26.80	26.74	29.78	30	Pass
159	5795	MCS8	19.5	20.55	20.06	23.32	27.12	26.78	29.96	30	Pass



<Antenna 1 for 3.3V>

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11b (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	1	24.5	23.22	25.57	30	Pass
02	2417	1	25	23.92	26.25	30	Pass
06	2437	1	25.5	24.69	26.74	30	Pass
10	2457	1	26	24.62	26.68	30	Pass
11	2462	1	26	24.75	26.87	30	Pass

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11b (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	1	22.5	21.62	23.84	30	Pass
02	2417	1	23	21.67	24.32	30	Pass
06	2437	1	25.5	24.70	26.75	30	Pass
10	2457	1	24.5	23.36	25.70	30	Pass
11	2462	1	24	23.00	25.29	30	Pass

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11b (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	1	22	21.00	21.18	24.10	23.50	23.38	26.45	30	Pass
02	2417	1	22	21.00	20.95	23.99	23.40	23.42	26.42	30	Pass
06	2437	1	25.5	24.58	24.04	27.33	26.57	26.42	29.51	30	Pass
10	2457	1	23.5	22.47	22.24	25.37	24.12	24.65	27.40	30	Pass
11	2462	1	22.5	21.51	21.64	24.59	24.06	23.90	26.99	30	Pass



Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11g (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	6	18.5	17.63	27.78	30	Pass
02	2417	6	20.5	19.64	28.36	30	Pass
06	2437	6	21.5	20.50	28.77	30	Pass
10	2457	6	21	20.08	28.57	30	Pass
11	2462	6	18.5	18.22	27.79	30	Pass

Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11g (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	6	18.5	18.16	27.63	30	Pass
02	2417	6	21.5	20.12	28.40	30	Pass
06	2437	6	21.5	20.52	28.65	30	Pass
10	2457	6	21	20.54	28.43	30	Pass
11	2462	6	18	17.54	27.27	30	Pass

Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11g (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	6	17.5	16.65	17.15	19.92	26.68	27.13	29.92	30	Pass
02	2417	6	17.5	16.72	16.21	19.48	26.70	26.66	29.69	30	Pass
06	2437	6	17	16.68	16.13	19.42	26.67	26.63	29.66	30	Pass
10	2457	6	17.5	16.84	17.02	19.94	26.51	27.13	29.84	30	Pass
11	2462	6	16	15.52	15.22	18.38	25.36	25.13	28.26	30	Pass



Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	MCS0	19	17.57	27.20	30	Pass
02	2417	MCS0	20	18.81	28.02	30	Pass
06	2437	MCS0	21	19.71	28.51	30	Pass
10	2457	MCS0	21	19.90	28.65	30	Pass
11	2462	MCS0	18	17.19	27.08	30	Pass

Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 20MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	MCS0	19	18.11	27.44	30	Pass
02	2417	MCS0	20.5	20.10	28.34	30	Pass
06	2437	MCS0	21	20.00	28.45	30	Pass
10	2457	MCS0	21	20.26	28.77	30	Pass
11	2462	MCS0	15.5	15.12	25.72	30	Pass

Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	MCS8	13.5	13.51	14.40	16.99	24.29	25.03	27.69	30	Pass
02	2417	MCS8	17	16.42	16.03	19.24	26.41	26.23	29.33	30	Pass
06	2437	MCS8	17.5	16.61	16.17	19.41	27.02	26.17	29.63	30	Pass
10	2457	MCS8	17	16.15	16.30	19.24	26.39	26.45	29.43	30	Pass
11	2462	MCS8	16.5	15.93	16.26	19.11	26.48	26.47	29.49	30	Pass



Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
03	2422	MCS0	13	12.67	24.34	30	Pass
04	2427	MCS0	14.5	14.41	26.10	30	Pass
05	2432	MCS0	17	16.57	27.08	30	Pass
06	2437	MCS0	18	17.32	27.96	30	Pass
07	2442	MCS0	19.5	18.77	28.32	30	Pass
08	2447	MCS0	17	16.04	26.79	30	Pass
09	2452	MCS0	14.5	14.64	25.86	30	Pass

Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
03	2422	MCS0	12.5	13.18	24.35	30	Pass
04	2427	MCS0	14	14.17	24.46	30	Pass
05	2432	MCS0	17	15.86	26.69	30	Pass
06	2437	MCS0	19	18.11	28.18	30	Pass
07	2442	MCS0	18.5	17.47	27.86	30	Pass
08	2447	MCS0	16.5	15.71	26.43	30	Pass
09	2452	MCS0	13	12.79	24.27	30	Pass



Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
03	2422	MCS8	11	10.15	12.03	14.20	21.37	23.97	25.87	30	Pass
04	2427	MCS8	12.5	12.17	13.36	15.82	24.05	25.17	27.66	30	Pass
05	2432	MCS8	14	14.34	14.13	17.25	25.73	25.24	28.50	30	Pass
06	2437	MCS8	16.5	16.14	15.56	18.87	27.03	26.82	29.94	30	Pass
07	2442	MCS8	17	17.03	16.51	19.79	27.03	26.73	29.89	30	Pass
08	2447	MCS8	17	16.17	16.02	19.11	26.73	26.66	29.71	30	Pass
09	2452	MCS8	14	14.26	14.02	17.15	25.62	25.45	28.55	30	Pass

Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	6	20.5	20.47	25.68	30	Pass
157	5785	6	20.5	20.57	25.81	30	Pass
165	5825	6	20.5	20.48	25.77	30	Pass

Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	6	20.5	20.03	25.50	30	Pass
157	5785	6	21	20.21	25.75	30	Pass
165	5825	6	21	20.37	25.73	30	Pass



Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
149	5745	6	20.5	20.13	19.64	22.90	25.40	25.29	28.36	30	Pass
157	5785	6	20.5	20.31	19.80	23.07	25.42	25.26	28.35	30	Pass
165	5825	6	20.5	20.61	20.44	23.54	25.45	25.30	28.39	30	Pass

Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	MCS0	20.5	20.33	25.76	30	Pass
157	5785	MCS0	20.5	20.48	25.83	30	Pass
165	5825	MCS0	20	20.14	25.73	30	Pass

Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	MCS0	21	20.68	25.96	30	Pass
157	5785	MCS0	21	20.36	25.88	30	Pass
165	5825	MCS0	21	20.71	25.93	30	Pass



Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
149	5745	MSC8	19	19.08	18.60	21.86	25.32	25.04	28.19	30	Pass
157	5785	MSC8	19.5	19.44	19.12	22.29	25.49	25.14	28.33	30	Pass
165	5825	MSC8	20.5	20.23	19.93	23.09	25.35	25.25	28.31	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
151	5755	MSC0	20.5	20.21	25.67	30	Pass
159	5795	MSC0	20.5	20.28	25.85	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
151	5755	MSC0	21	20.59	25.83	30	Pass
159	5795	MSC0	21	20.55	25.85	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
151	5755	MSC8	19	19.14	18.86	22.01	25.31	25.30	28.32	30	Pass
159	5795	MSC8	20.5	20.36	19.84	23.12	25.53	25.37	28.46	30	Pass

**<Antenna 2 for 4.5V>**

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11b (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	1	20	20.22	21.96	30	Pass
02	2417	1	22	21.78	24.02	30	Pass
06	2437	1	25.5	25.10	27.43	30	Pass
10	2457	1	23	22.35	24.30	30	Pass
11	2462	1	23.5	23.15	25.38	30	Pass

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11b (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	1	20	20.07	22.49	30	Pass
02	2417	1	21.5	21.37	24.04	30	Pass
06	2437	1	26.5	26.62	28.70	30	Pass
10	2457	1	24	22.56	24.73	30	Pass
11	2462	1	23	22.86	25.05	30	Pass

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11b (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	1	18.5	17.58	17.65	20.63	19.77	20.06	22.93	30	Pass
02	2417	1	19	18.12	17.88	21.01	20.45	20.37	23.42	30	Pass
06	2437	1	24	23.10	22.46	25.80	25.23	24.75	28.01	30	Pass
10	2457	1	22.5	21.65	21.39	24.53	23.87	23.79	26.84	30	Pass
11	2462	1	22	21.43	20.92	24.19	23.64	23.27	26.47	30	Pass



Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11g (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	6	15	14.62	24.76	30	Pass
02	2417	6	19	18.06	27.59	30	Pass
06	2437	6	20.5	19.39	28.36	30	Pass
10	2457	6	20.5	19.35	28.07	30	Pass
11	2462	6	14.5	14.41	24.57	30	Pass

Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11g (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	6	14.5	15.14	25.17	30	Pass
02	2417	6	19	17.98	27.22	30	Pass
06	2437	6	21.5	20.35	28.27	30	Pass
10	2457	6	20	19.30	28.02	30	Pass
11	2462	6	14.5	14.07	24.70	30	Pass

Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11g (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	6	11.5	11.40	13.20	15.40	21.76	23.48	25.71	30	Pass
02	2417	6	17.5	17.14	16.58	19.88	27.01	26.44	29.74	30	Pass
06	2437	6	18	17.68	17.29	20.50	26.73	26.86	29.81	30	Pass
10	2457	6	17.5	17.15	17.22	20.20	26.36	26.85	29.62	30	Pass
11	2462	6	13.5	13.65	13.54	16.61	23.91	24.32	27.13	30	Pass



Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	MCS0	14	14.31	24.81	30	Pass
02	2417	MCS0	19.5	18.58	28.02	30	Pass
06	2437	MCS0	20.5	19.14	28.30	30	Pass
10	2457	MCS0	20.5	19.31	28.29	30	Pass
11	2462	MCS0	14	14.02	24.82	30	Pass

Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 20MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	MCS0	14	15.04	25.16	30	Pass
02	2417	MCS0	19	17.94	27.16	30	Pass
06	2437	MCS0	21.5	20.46	28.56	30	Pass
10	2457	MCS0	20	19.41	28.26	30	Pass
11	2462	MCS0	14	13.82	24.27	30	Pass

Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	MCS8	13.5	14.54	14.57	17.57	24.83	25.07	27.96	30	Pass
02	2417	MCS8	17	16.18	16.35	19.28	26.92	26.07	29.53	30	Pass
06	2437	MCS8	17.5	17.24	16.27	19.79	27.11	26.65	29.90	30	Pass
10	2457	MCS8	17.5	16.77	16.93	19.86	27.03	26.80	29.93	30	Pass
11	2462	MCS8	13	13.28	12.71	16.01	23.88	23.65	26.78	30	Pass



Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
03	2422	MCS0	9	9.20	19.23	30	Pass
04	2427	MCS0	12.5	12.11	24.12	30	Pass
05	2432	MCS0	14	14.47	25.94	30	Pass
06	2437	MCS0	15.5	15.51	26.73	30	Pass
07	2442	MCS0	13.5	13.72	25.48	30	Pass
08	2447	MCS0	13.5	13.51	24.16	30	Pass
09	2452	MCS0	10.5	9.88	20.32	30	Pass

Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
03	2422	MCS0	9	9.31	23.20	30	Pass
04	2427	MCS0	12	13.58	24.78	30	Pass
05	2432	MCS0	14	14.76	26.64	30	Pass
06	2437	MCS0	16.5	16.38	27.63	30	Pass
07	2442	MCS0	14.5	15.08	26.79	30	Pass
08	2447	MCS0	13	13.67	25.00	30	Pass
09	2452	MCS0	10.5	10.23	20.71	30	Pass



Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
03	2422	MCS8	6	9.37	7.03	11.37	21.86	19.13	23.72	30	Pass
04	2427	MCS8	10	10.12	11.85	14.08	21.79	23.07	25.49	30	Pass
05	2432	MCS8	13	13.65	14.03	16.85	25.33	26.06	28.72	30	Pass
06	2437	MCS8	14	14.88	14.66	17.78	26.71	26.51	29.62	30	Pass
07	2442	MCS8	12	12.65	12.49	15.58	24.51	24.57	27.55	30	Pass
08	2447	MCS8	11	11.31	11.32	14.33	24.08	23.01	26.59	30	Pass
09	2452	MCS8	5.5	6.07	8.14	10.24	18.02	19.56	21.87	30	Pass

Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	6	22	22.95	27.50	30	Pass
157	5785	6	22	22.72	27.46	30	Pass
165	5825	6	22	22.28	27.34	30	Pass

Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	6	22	22.56	27.38	30	Pass
157	5785	6	22	22.64	27.34	30	Pass
165	5825	6	22	22.63	27.27	30	Pass

Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
149	5745	6	19	20.10	19.74	22.93	27.04	26.63	29.85	30	Pass
157	5785	6	19.5	20.51	20.10	23.32	26.93	26.52	29.74	30	Pass
165	5825	6	20	20.58	20.52	23.56	27.00	26.64	29.83	30	Pass

Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	MCS0	22.5	23.41	27.66	30	Pass
157	5785	MCS0	22.5	23.23	27.66	30	Pass
165	5825	MCS0	22.5	22.21	27.37	30	Pass

Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	MCS0	22.5	23.36	27.59	30	Pass
157	5785	MCS0	22.5	23.04	27.48	30	Pass
165	5825	MCS0	22.5	23.37	27.37	30	Pass



Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
149	5745	MSC8	18	19.07	18.63	21.87	26.93	26.57	29.76	30	Pass
157	5785	MSC8	18.5	19.61	19.27	22.45	26.85	26.47	29.67	30	Pass
165	5825	MSC8	19.5	20.63	20.21	23.44	26.91	26.50	29.72	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
151	5755	MCS0	22.5	23.25	27.52	30	Pass
159	5795	MCS0	22.5	22.98	27.61	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
151	5755	MCS0	21.5	22.00	27.28	30	Pass
159	5795	MCS0	22.5	23.08	27.22	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
151	5755	MSC8	18.5	19.15	19.21	22.19	26.80	26.74	29.78	30	Pass
159	5795	MSC8	19.5	20.55	20.06	23.32	27.12	26.78	29.96	30	Pass



<Antenna 2 for 3.3V>

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11b (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	1	21.5	20.25	22.81	30	Pass
02	2417	1	22.5	21.38	24.02	30	Pass
06	2437	1	25.5	24.78	26.82	30	Pass
10	2457	1	23.5	22.28	24.13	30	Pass
11	2462	1	24	23.04	25.36	30	Pass

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11b (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	1	20.5	20.10	22.24	30	Pass
02	2417	1	22.5	21.13	23.56	30	Pass
06	2437	1	25.5	24.56	26.64	30	Pass
10	2457	1	24	22.55	24.78	30	Pass
11	2462	1	24	22.77	24.96	30	Pass

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11b (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	1	18.5	17.36	17.61	20.50	19.58	19.91	22.76	30	Pass
02	2417	1	19	18.00	17.82	20.92	20.11	20.02	23.08	30	Pass
06	2437	1	24	23.01	22.36	25.71	25.15	24.81	27.99	30	Pass
10	2457	1	22.5	21.33	21.37	24.36	23.60	23.67	26.65	30	Pass
11	2462	1	22	21.02	20.86	23.95	23.26	23.11	26.20	30	Pass



Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11g (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	6	15.5	14.55	24.52	30	Pass
02	2417	6	19	18.04	27.43	30	Pass
06	2437	6	21	19.32	28.25	30	Pass
10	2457	6	20.5	19.13	28.03	30	Pass
11	2462	6	14.5	14.33	24.47	30	Pass

Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11g (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	6	14.5	15.15	25.02	30	Pass
02	2417	6	19	17.86	27.20	30	Pass
06	2437	6	21.5	20.33	28.18	30	Pass
10	2457	6	19.5	19.03	27.92	30	Pass
11	2462	6	14.5	14.03	24.42	30	Pass

Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11g (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	6	11.5	11.36	13.07	15.31	21.43	23.26	25.45	30	Pass
02	2417	6	17.5	16.77	16.44	19.62	27.02	26.32	29.69	30	Pass
06	2437	6	18	17.47	17.15	20.32	26.63	26.68	29.67	30	Pass
10	2457	6	17.5	17.02	17.11	20.08	26.34	26.62	29.49	30	Pass
11	2462	6	13.5	13.57	13.32	16.46	23.41	23.95	26.70	30	Pass



Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	MCS0	14	14.25	24.48	30	Pass
02	2417	MCS0	19.5	18.27	27.84	30	Pass
06	2437	MCS0	20.5	19.13	28.15	30	Pass
10	2457	MCS0	20.5	19.26	28.21	30	Pass
11	2462	MCS0	14	13.76	24.38	30	Pass

Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 20MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	MCS0	14.5	15.03	25.12	30	Pass
02	2417	MCS0	19	17.77	27.14	30	Pass
06	2437	MCS0	21.5	20.33	28.46	30	Pass
10	2457	MCS0	20	19.30	28.19	30	Pass
11	2462	MCS0	14	13.74	24.02	30	Pass

Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	MCS8	14	14.08	14.47	17.29	24.37	25.02	27.72	30	Pass
02	2417	MCS8	17	16.11	16.02	19.08	26.89	25.90	29.43	30	Pass
06	2437	MCS8	17.5	17.02	16.22	19.65	27.03	26.58	29.82	30	Pass
10	2457	MCS8	17.5	16.65	16.84	19.76	27.08	26.64	29.88	30	Pass
11	2462	MCS8	13	12.92	13.03	15.99	23.56	23.64	26.61	30	Pass



Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
03	2422	MCS0	9	8.73	19.34	30	Pass
04	2427	MCS0	12.5	12.02	24.03	30	Pass
05	2432	MCS0	14.5	14..32	25.83	30	Pass
06	2437	MCS0	15.5	15.43	26.60	30	Pass
07	2442	MCS0	13.5	13.62	25.32	30	Pass
08	2447	MCS0	13.5	13.46	24.34	30	Pass
09	2452	MCS0	10.5	9.53	20.23	30	Pass

Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
03	2422	MCS0	9	9.21	22.36	30	Pass
04	2427	MCS0	12	13.48	24.69	30	Pass
05	2432	MCS0	14	14.43	26.18	30	Pass
06	2437	MCS0	17	16.17	26.98	30	Pass
07	2442	MCS0	15.5	14.88	26.11	30	Pass
08	2447	MCS0	13	13.47	24.98	30	Pass
09	2452	MCS0	11	10.13	21.80	30	Pass

Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
03	2422	MCS8	8.5	7.73	9.03	11.44	19.74	21.52	23.73	30	Pass
04	2427	MCS8	11	11.11	11.82	14.49	21.36	23.37	25.49	30	Pass
05	2432	MCS8	13.5	13.62	14.02	16.83	25.14	25.62	28.40	30	Pass
06	2437	MCS8	14.5	14.67	14.44	17.57	26.27	26.08	29.19	30	Pass
07	2442	MCS8	12.5	12.29	12.37	15.34	24.08	24.33	27.22	30	Pass
08	2447	MCS8	11	11.00	11.16	14.09	22.75	22.77	25.77	30	Pass
09	2452	MCS8	7	6.03	8.03	10.15	18.00	19.35	21.74	30	Pass

Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	6	20.5	20.34	25.68	30	Pass
157	5785	6	20.5	20.10	25.65	30	Pass
165	5825	6	20.5	20.46	25.74	30	Pass

Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	6	21	20.31	25.81	30	Pass
157	5785	6	21	20.31	25.82	30	Pass
165	5825	6	21	20.55	25.86	30	Pass

Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
149	5745	6	20	19.93	19.50	22.73	25.38	25.20	28.30	30	Pass
157	5785	6	20.5	20.41	19.91	23.18	25.40	25.26	28.34	30	Pass
165	5825	6	21	20.70	20.30	23.51	25.53	25.43	28.49	30	Pass

Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	MCS0	20.5	20.45	25.77	30	Pass
157	5785	MCS0	20.5	20.55	25.79	30	Pass
165	5825	MCS0	20.5	20.61	25.8	30	Pass

Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	MCS0	21	20.51	25.85	30	Pass
157	5785	MCS0	21	20.59	25.92	30	Pass
165	5825	MCS0	21	20.46	25.82	30	Pass



Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
149	5745	MCS8	20.5	19.11	18.53	21.84	25.22	25.19	28.22	30	Pass
157	5785	MCS8	19.5	19.52	19.12	22.33	25.33	25.14	28.25	30	Pass
165	5825	MCS8	19.5	20.32	20.02	23.18	25.36	25.24	28.31	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
151	5755	MCS0	20.5	20.45	25.72	30	Pass
159	5795	MCS0	20.5	20.22	25.77	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
151	5755	MCS0	21	20.30	25.91	30	Pass
159	5795	MCS0	21	20.31	25.90	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
151	5755	MCS8	19.5	19.36	19.13	22.26	25.42	25.28	28.36	30	Pass
159	5795	MCS8	20.5	20.38	19.90	23.16	25.48	25.33	28.42	30	Pass

<Antenna 3 for 4.5V>

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11b (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	1	22.5	22.62	24.88	30	Pass
02	2417	1	24.5	24.11	26.89	30	Pass
06	2437	1	26	25.54	28.06	30	Pass
10	2457	1	21	20.45	23.25	30	Pass
11	2462	1	21	20.64	23.28	30	Pass

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11b (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	1	21	20.92	23.18	30	Pass
02	2417	1	21.5	21.01	23.27	30	Pass
06	2437	1	26	26.05	28.18	30	Pass
10	2457	1	20.5	20.67	22.97	30	Pass
11	2462	1	21	21.22	23.46	30	Pass

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11b (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	1	21	20.22	20.89	23.58	22.82	23.14	25.99	30	Pass
02	2417	1	21.5	21.01	21.35	24.19	23.42	24.01	26.74	30	Pass
06	2437	1	24.5	24.39	23.92	27.17	26.83	26.47	29.66	30	Pass
10	2457	1	19	19.04	19.57	22.32	21.35	21.99	24.69	30	Pass
11	2462	1	18	18.07	18.33	21.21	20.25	21.17	23.74	30	Pass



Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11g (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	6	18	18.30	28.60	30	Pass
02	2417	6	20	19.61	29.83	30	Pass
06	2437	6	20	20.03	29.78	30	Pass
10	2457	6	19.5	19.45	29.54	30	Pass
11	2462	6	14.5	15.53	26.23	30	Pass

Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11g (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	6	18	18.15	28.46	30	Pass
02	2417	6	20	19.67	29.74	30	Pass
06	2437	6	20	19.55	29.76	30	Pass
10	2457	6	19	19.19	29.33	30	Pass
11	2462	6	14.5	14.89	25.04	30	Pass

Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11g (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	6	15.5	16.15	16.22	19.20	26.85	27.02	29.95	30	Pass
02	2417	6	15.5	16.10	15.66	18.90	27.16	26.00	29.63	30	Pass
06	2437	6	15.5	16.16	15.45	18.83	27.37	26.03	29.76	30	Pass
10	2457	6	16	16.06	15.91	19.00	26.06	26.78	29.45	30	Pass
11	2462	6	13	13.73	13.50	16.63	24.22	24.04	27.14	30	Pass



Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	MCS0	16.5	16.53	27.27	30	Pass
02	2417	MCS0	19.5	19.50	29.58	30	Pass
06	2437	MCS0	20.5	20.01	29.80	30	Pass
10	2457	MCS0	19.5	19.73	29.70	30	Pass
11	2462	MCS0	14	14.64	26.01	30	Pass

Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 20MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	MCS0	16.5	17.00	27.55	30	Pass
02	2417	MCS0	20	19.62	29.81	30	Pass
06	2437	MCS0	20	19.99	29.66	30	Pass
10	2457	MCS0	19	19.29	29.82	30	Pass
11	2462	MCS0	13.5	13.85	25.11	30	Pass

Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	MCS8	14	14.67	15.65	18.20	26.19	27.00	29.62	30	Pass
02	2417	MCS8	15.5	15.86	15.34	18.62	26.72	26.88	29.81	30	Pass
06	2437	MCS8	15	15.66	15.36	18.52	27.25	26.32	29.82	30	Pass
10	2457	MCS8	15.5	16.22	15.37	18.83	27.23	26.44	29.86	30	Pass
11	2462	MCS8	13	13.95	13.67	16.82	24.28	23.93	27.12	30	Pass



Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
03	2422	MCS0	10.5	10.40	22.18	30	Pass
04	2427	MCS0	12.5	12.55	24.57	30	Pass
05	2432	MCS0	14.5	15.21	26.81	30	Pass
06	2437	MCS0	18	18.23	29.90	30	Pass
07	2442	MCS0	17.5	17.76	29.39	30	Pass
08	2447	MCS0	13.5	14.43	26.29	30	Pass
09	2452	MCS0	10.5	10.40	22.12	30	Pass

Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
03	2422	MCS0	11.5	13.12	24.52	30	Pass
04	2427	MCS0	12	13.62	24.91	30	Pass
05	2432	MCS0	14	14.86	26.61	30	Pass
06	2437	MCS0	18.5	18.57	29.68	30	Pass
07	2442	MCS0	15	15.48	27.11	30	Pass
08	2447	MCS0	12	12.64	24.12	30	Pass
09	2452	MCS0	9.5	10.16	23.15	30	Pass



Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
03	2422	MCS8	10	10.35	12.29	14.44	22.14	24.11	26.25	30	Pass
04	2427	MCS8	11.5	11.71	13.24	15.55	23.72	25.17	27.52	30	Pass
05	2432	MCS8	14	14.99	15.09	18.05	26.96	26.87	29.93	30	Pass
06	2437	MCS8	14	14.99	14.73	17.87	26.95	26.47	29.73	30	Pass
07	2442	MCS8	14	15.06	14.52	17.81	26.60	26.32	29.47	30	Pass
08	2447	MCS8	11.5	11.66	12.08	14.89	23.40	23.71	26.57	30	Pass
09	2452	MCS8	9	8.85	10.42	12.72	20.52	23.14	25.03	30	Pass

Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	6	22	22.92	27.32	30	Pass
157	5785	6	22	22.90	27.28	30	Pass
165	5825	6	22	22.13	27.13	30	Pass

Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	6	22	22.51	27.02	30	Pass
157	5785	6	22	22.63	27.01	30	Pass
165	5825	6	22	22.61	27.00	30	Pass



Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
149	5745	6	18.5	19.66	19.25	22.47	26.84	26.66	29.76	30	Pass
157	5785	6	18.5	19.46	19.16	22.32	26.84	26.45	29.66	30	Pass
165	5825	6	18.5	19.63	19.23	22.44	26.75	26.60	29.69	30	Pass

Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	MCS0	22.5	23.38	27.50	30	Pass
157	5785	MCS0	22.5	23.30	27.42	30	Pass
165	5825	MCS0	22.5	22.79	27.32	30	Pass

Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	MCS0	22.5	23.40	27.52	30	Pass
157	5785	MCS0	22.5	23.12	27.43	30	Pass
165	5825	MCS0	22.5	22.20	27.36	30	Pass



Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
149	5745	MCS8	19	20.01	19.58	22.81	27.02	26.72	29.88	30	Pass
157	5785	MCS8	19	20.04	19.58	22.83	27.02	26.75	29.90	30	Pass
165	5825	MCS8	19	20.13	19.75	22.95	26.95	26.64	29.81	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
151	5755	MCS0	22.5	22.72	27.32	30	Pass
159	5795	MCS0	22.5	22.24	27.19	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
151	5755	MCS0	22.5	22.90	27.04	30	Pass
159	5795	MCS0	22.5	22.93	27.22	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
151	5755	MCS8	19.5	20.40	20.10	23.26	26.96	26.82	29.90	30	Pass
159	5795	MCS8	19.5	20.40	20.12	23.27	26.92	26.74	29.84	30	Pass

<Antenna 3 for 3.3V>

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11b (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	1	23	22.33	24.17	30	Pass
02	2417	1	25	24.03	26.07	30	Pass
06	2437	1	25.5	24.73	26.82	30	Pass
10	2457	1	21.5	20.27	22.84	30	Pass
11	2462	1	21.5	20.61	23.02	30	Pass

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11b (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	1	21.5	20.90	23.08	30	Pass
02	2417	1	22	20.92	23.08	30	Pass
06	2437	1	25.5	24.67	26.72	30	Pass
10	2457	1	20.5	20.36	22.63	30	Pass
11	2462	1	21	21.20	26.41	30	Pass

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11b (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	1	21.5	20.25	20.84	23.57	22.76	22.98	25.88	30	Pass
02	2417	1	22	21.02	21.16	24.10	23.27	23.26	26.28	30	Pass
06	2437	1	25	24.03	23.90	26.98	26.08	25.81	28.96	30	Pass
10	2457	1	19.5	18.73	19.16	21.96	21.47	21.27	24.38	30	Pass
11	2462	1	18.5	18.02	18.15	21.10	20.11	20.28	23.21	30	Pass



Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11g (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	6	19	18.15	28.02	30	Pass
02	2417	6	20.5	19.46	28.44	30	Pass
06	2437	6	21	19.99	28.28	30	Pass
10	2457	6	20.5	19.41	28.11	30	Pass
11	2462	6	15	15.31	25.52	30	Pass

Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11g (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	6	18	18.11	28.22	30	Pass
02	2417	6	20.5	19.45	28.27	30	Pass
06	2437	6	20	19.44	28.31	30	Pass
10	2457	6	19	19.12	28.25	30	Pass
11	2462	6	15	14.81	25.00	30	Pass

Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11g (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	6	16	15.60	16.05	18.84	26.03	25.83	28.94	30	Pass
02	2417	6	16	15.16	15.66	18.43	25.86	25.81	28.85	30	Pass
06	2437	6	16.5	16.08	15.40	18.76	26.06	25.75	28.92	30	Pass
10	2457	6	16.5	16.04	15.86	18.96	26.12	25.99	29.07	30	Pass
11	2462	6	14	13.65	13.61	16.64	24.11	24.07	27.10	30	Pass



Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	MCS0	16.5	16.43	27.02	30	Pass
02	2417	MCS0	20.5	19.36	28.36	30	Pass
06	2437	MCS0	21	19.96	28.71	30	Pass
10	2457	MCS0	20.5	19.43	28.43	30	Pass
11	2462	MCS0	14	14.60	25.60	30	Pass

Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 20MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	MCS0	17	16.74	17.02	30	Pass
02	2417	MCS0	20.5	19.59	28.34	30	Pass
06	2437	MCS0	20.5	19.67	28.44	30	Pass
10	2457	MCS0	19.5	19.13	28.29	30	Pass
11	2462	MCS0	13.5	13.82	24.02	30	Pass

Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	MCS8	15	15.29	15.58	18.45	26.12	26.08	29.11	30	Pass
02	2417	MCS8	16	15.60	15.26	18.44	26.12	25.68	28.92	30	Pass
06	2437	MCS8	16.5	15.35	15.34	18.36	26.13	26.02	29.09	30	Pass
10	2457	MCS8	16.5	15.64	16.01	18.84	26.11	26.13	29.13	30	Pass
11	2462	MCS8	13	13.66	13.40	16.54	24.37	23.38	26.91	30	Pass



Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
03	2422	MCS0	11.5	10.32	22.14	30	Pass
04	2427	MCS0	13	12.43	24.49	30	Pass
05	2432	MCS0	15.5	15.13	26.63	30	Pass
06	2437	MCS0	19	18.16	28.44	30	Pass
07	2442	MCS0	18.5	17.70	28.33	30	Pass
08	2447	MCS0	14	14.03	26.16	30	Pass
09	2452	MCS0	11.5	10.32	22.03	30	Pass

Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
03	2422	MCS0	12.5	13.11	24.32	30	Pass
04	2427	MCS0	13	13.55	24.79	30	Pass
05	2432	MCS0	15	14.83	26.67	30	Pass
06	2437	MCS0	19.5	18.50	28.43	30	Pass
07	2442	MCS0	16.5	15.26	26.92	30	Pass
08	2447	MCS0	13	12.62	24.04	30	Pass
09	2452	MCS0	11	10.07	22.45	30	Pass



Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
03	2422	MCS8	10.5	10.40	12.20	14.40	22.02	24.07	26.18	30	Pass
04	2427	MCS8	12.5	11.67	13.21	15.52	23.66	24.91	27.34	30	Pass
05	2432	MCS8	15	14.87	15.01	17.95	26.80	26.79	29.81	30	Pass
06	2437	MCS8	15	14.84	14.36	17.62	26.84	26.43	29.65	30	Pass
07	2442	MCS8	15	15.02	14.45	17.75	26.57	26.14	29.37	30	Pass
08	2447	MCS8	12	11.23	11.66	14.46	23.37	23.67	26.53	30	Pass
09	2452	MCS8	9	9.44	9.06	12.26	21.25	22.13	24.72	30	Pass

Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	6	20.5	20.40	25.73	30	Pass
157	5785	6	20.5	20.15	25.73	30	Pass
165	5825	6	20.5	20.47	25.74	30	Pass

Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	6	21	20.43	25.75	30	Pass
157	5785	6	21	20.60	25.88	30	Pass
165	5825	6	21	20.54	25.82	30	Pass

Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
149	5745	6	21	19.70	19.17	22.45	24.36	24.21	27.30	30	Pass
157	5785	6	21	19.53	19.03	22.30	24.42	24.27	27.36	30	Pass
165	5825	6	21	19.61	19.28	22.46	24.50	24.38	27.45	30	Pass

Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	MCS0	20.5	20.39	25.70	30	Pass
157	5785	MCS0	20.5	20.58	25.75	30	Pass
165	5825	MCS0	20.5	20.35	25.85	30	Pass

Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	MCS0	21	20.49	25.95	30	Pass
157	5785	MCS0	21	20.56	25.84	30	Pass
165	5825	MCS0	21	20.56	25.86	30	Pass



Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
149	5745	MCS8	21.5	20.03	19.52	22.79	24.52	24.33	27.44	30	Pass
157	5785	MCS8	21.5	20.06	19.48	22.79	24.48	24.08	27.29	30	Pass
165	5825	MCS8	21	19.82	19.34	22.60	24.46	24.30	27.39	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
151	5755	MCS0	20.5	20.44	25.83	30	Pass
159	5795	MCS0	20.5	20.44	25.86	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
151	5755	MCS0	21	20.55	25.90	30	Pass
159	5795	MCS0	21	20.46	25.92	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
151	5755	MCS8	21.5	20.02	19.82	22.93	24.24	24.22	27.24	30	Pass
159	5795	MCS8	22	20.02	20.10	23.07	24.42	24.32	27.38	30	Pass

<Antenna 4 for 3.3V>

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11b (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	1	23.5	22.23	24.56	30	Pass
02	2417	1	24	23.02	25.32	30	Pass
06	2437	1	25.5	24.37	26.56	30	Pass
10	2457	1	23	22.33	24.46	30	Pass
11	2462	1	23	22.26	24.6	30	Pass

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11b (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	1	24	22.46	24.81	30	Pass
02	2417	1	24.5	23.03	25.33	30	Pass
06	2437	1	25.5	24.44	26.45	30	Pass
10	2457	1	24	22.52	24.74	30	Pass
11	2462	1	23.5	22.06	24.41	30	Pass

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11b (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	1	23	22.14	22.01	25.09	24.36	24.36	27.37	30	Pass
02	2417	1	23.5	22.69	22.04	25.39	24.91	24.43	27.69	30	Pass
06	2437	1	26	24.58	25.06	27.84	26.79	26.90	29.86	30	Pass
10	2457	1	23	22.62	21.79	25.24	24.81	24.14	27.50	30	Pass
11	2462	1	22.5	22.15	21.49	24.84	23.75	23.82	26.80	30	Pass



Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11g (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	6	21.5	20.43	28.89	30	Pass
02	2417	6	22.5	21.55	29.36	30	Pass
06	2437	6	23	21.88	29.14	30	Pass
10	2457	6	21	20.07	28.48	30	Pass
11	2462	6	19.5	18.78	27.99	30	Pass

Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11g (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	6	20.5	20.41	28.65	30	Pass
02	2417	6	23	21.49	29.10	30	Pass
06	2437	6	23	21.54	29.04	30	Pass
10	2457	6	23	21.83	29.12	30	Pass
11	2462	6	21	20.12	28.49	30	Pass

Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11g (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	6	17	16.90	16.67	19.80	26.98	26.52	29.77	30	Pass
02	2417	6	17	16.61	16.34	19.49	26.94	26.47	29.72	30	Pass
06	2437	6	17.5	17.05	16.48	19.78	27.17	26.49	29.85	30	Pass
10	2457	6	17.5	16.64	17.13	19.90	26.90	26.79	29.86	30	Pass
11	2462	6	17.5	16.71	16.75	19.74	27.05	26.85	29.96	30	Pass



Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	MCS0	19.5	18.36	28.08	30	Pass
02	2417	MCS0	22	21.03	28.96	30	Pass
06	2437	MCS0	23	22.00	29.07	30	Pass
10	2457	MCS0	20.5	19.51	28.19	30	Pass
11	2462	MCS0	17.5	16.61	26.44	30	Pass

Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 20MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	MCS0	19.5	18.74	27.94	30	Pass
02	2417	MCS0	22.5	20.87	28.56	30	Pass
06	2437	MCS0	23	21.66	29.03	30	Pass
10	2457	MCS0	22.5	21.35	28.85	30	Pass
11	2462	MCS0	20	19.19	28.13	30	Pass

Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 20MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	MCS8	17.5	17.06	16.81	19.95	26.84	26.98	29.92	30	Pass
02	2417	MCS8	18	17.12	17.17	20.16	27.10	26.83	29.98	30	Pass
06	2437	MCS8	18	17.01	17.06	20.05	26.86	26.98	29.93	30	Pass
10	2457	MCS8	17	16.26	16.39	19.34	26.84	26.60	29.73	30	Pass
11	2462	MCS8	17	16.02	16.60	19.33	26.35	26.72	29.55	30	Pass



Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
03	2422	MCS0	16.5	16.03	26.80	30	Pass
04	2427	MCS0	17.5	16.95	27.49	30	Pass
05	2432	MCS0	19	18.28	28.26	30	Pass
06	2437	MCS0	20.5	19.4	28.8	30	Pass
07	2442	MCS0	19.5	18.46	28.36	30	Pass
08	2447	MCS0	17.5	16.8	27.49	30	Pass
09	2452	MCS0	15.5	15.84	26.88	30	Pass

Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
03	2422	MCS0	15	15.43	26.46	30	Pass
04	2427	MCS0	17	16.12	26.97	30	Pass
05	2432	MCS0	19	18.14	27.98	30	Pass
06	2437	MCS0	20.5	19.49	28.41	30	Pass
07	2442	MCS0	20	19.11	28.34	30	Pass
08	2447	MCS0	19.5	18.77	28.08	30	Pass
09	2452	MCS0	17	16.05	26.82	30	Pass



Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
03	2422	MCS8	13.5	13.50	14.39	16.98	25.26	25.90	28.60	30	Pass
04	2427	MCS8	15.5	15.61	14.69	18.18	26.46	25.94	29.22	30	Pass
05	2432	MCS8	16.5	16.12	15.41	18.79	27.03	26.48	29.77	30	Pass
06	2437	MCS8	16	15.87	15.12	18.52	26.95	26.13	29.57	30	Pass
07	2442	MCS8	16	16.27	15.13	18.75	27.22	26.30	29.79	30	Pass
08	2447	MCS8	16.5	15.62	15.32	18.48	26.90	26.48	29.71	30	Pass
09	2452	MCS8	15	15.50	16.00	18.77	26.44	26.16	29.31	30	Pass

Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	6	20	19.90	25.61	30	Pass
157	5785	6	20	19.93	25.61	30	Pass
165	5825	6	20	19.97	25.67	30	Pass

Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	6	20	19.62	25.57	30	Pass
157	5785	6	20	19.48	25.50	30	Pass
165	5825	6	20	19.60	25.60	30	Pass



Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
149	5745	6	20	19.80	19.32	22.58	25.56	25.14	28.37	30	Pass
157	5785	6	20	20.01	19.56	22.80	25.61	25.46	28.55	30	Pass
165	5825	6	20	19.60	19.54	22.58	25.33	25.23	28.29	30	Pass

Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	MCS0	20	19.98	25.51	30	Pass
157	5785	MCS0	20	20.00	25.64	30	Pass
165	5825	MCS0	20	20.02	25.72	30	Pass

Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	MCS0	20	19.53	25.47	30	Pass
157	5785	MCS0	20	19.59	25.51	30	Pass
165	5825	MCS0	20	19.62	25.50	30	Pass



Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
149	5745	MCS8	20	19.77	19.51	22.65	25.47	25.36	28.43	30	Pass
157	5785	MCS8	20	19.78	19.46	22.63	25.50	25.30	28.41	30	Pass
165	5825	MCS8	20	19.77	19.70	22.75	25.48	25.50	28.50	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
151	5755	MCS0	20	20.02	25.67	30	Pass
159	5795	MCS0	20	19.84	25.55	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
151	5755	MCS0	20	19.70	25.63	30	Pass
159	5795	MCS0	20	19.54	25.59	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
151	5755	MCS8	20	19.90	19.53	22.73	25.48	25.36	28.43	30	Pass
159	5795	MCS8	20	19.80	19.53	22.68	25.55	25.38	28.48	30	Pass

<Antenna 5 for 3.3V>

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11b (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	1	22	21.03	23.44	30	Pass
02	2417	1	22.5	21.32	23.81	30	Pass
06	2437	1	24.5	24.37	25.60	30	Pass
10	2457	1	23	22.17	24.46	30	Pass
11	2462	1	23	22.17	24.47	30	Pass

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11b (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	1	22.5	21.81	24.06	30	Pass
02	2417	1	23	21.99	24.26	30	Pass
06	2437	1	24.5	24.01	26.31	30	Pass
10	2457	1	23.5	22.04	24.17	30	Pass
11	2462	1	23.5	22.35	24.63	30	Pass

Test Mode :	Mode 1~5	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11b (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	1	20.5	19.68	19.87	22.79	22.05	22.09	25.08	30	Pass
02	2417	1	21	19.88	20.07	22.99	22.28	22.29	25.30	30	Pass
06	2437	1	25	24.03	24.41	27.23	26.27	26.43	29.36	30	Pass
10	2457	1	22.5	22.14	21.59	24.88	24.38	23.75	27.09	30	Pass
11	2462	1	22.5	21.99	21.63	24.82	24.22	23.95	27.10	30	Pass



Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11g (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	6	19	18.07	27.73	30	Pass
02	2417	6	21	19.55	28.39	30	Pass
06	2437	6	22.5	22.54	29.88	30	Pass
10	2457	6	21	19.75	28.65	30	Pass
11	2462	6	19	18.07	27.68	30	Pass

Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11g (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	6	20	19.17	27.87	30	Pass
02	2417	6	22	20.79	29.02	30	Pass
06	2437	6	22.5	22.02	29.71	30	Pass
10	2457	6	20.5	20.37	28.37	30	Pass
11	2462	6	20	19.41	28.20	30	Pass

Test Mode :	Mode 6~10	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11g (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	6	17	16.20	16.86	19.55	26.45	26.99	29.74	30	Pass
02	2417	6	17.5	16.56	16.58	19.58	26.57	26.56	29.58	30	Pass
06	2437	6	17.5	16.72	16.28	19.52	26.76	26.21	29.50	30	Pass
10	2457	6	17.5	16.82	17.18	20.01	26.95	26.91	29.94	30	Pass
11	2462	6	17	16.05	16.46	19.27	26.17	26.48	29.34	30	Pass



Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	MCS0	18	17.20	26.94	30	Pass
02	2417	MCS0	21	19.57	29.02	30	Pass
06	2437	MCS0	23	21.89	29.34	30	Pass
10	2457	MCS0	21	19.84	28.81	30	Pass
11	2462	MCS0	18.5	17.46	27.42	30	Pass

Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 20MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
01	2412	MCS0	19	18.05	27.50	30	Pass
02	2417	MCS0	21.5	20.41	28.67	30	Pass
06	2437	MCS0	23	21.61	29.15	30	Pass
10	2457	MCS0	20.5	20.02	28.67	30	Pass
11	2462	MCS0	18.5	17.81	27.48	30	Pass

Test Mode :	Mode 11~15	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
01	2412	MCS8	17.5	16.73	17.11	19.93	26.76	27.01	29.90	30	Pass
02	2417	MCS8	17	16.17	16.25	19.22	26.69	26.33	29.52	30	Pass
06	2437	MCS8	17	16.48	16.19	19.35	26.73	26.46	29.61	30	Pass
10	2457	MCS8	17	16.11	16.29	19.21	26.80	27.05	29.94	30	Pass
11	2462	MCS8	16.5	15.74	15.64	18.70	25.77	26.13	28.96	30	Pass



Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
03	2422	MCS0	13	12.87	24.65	30	Pass
04	2427	MCS0	14.5	14.89	25.33	30	Pass
05	2432	MCS0	17.5	16.72	28.00	30	Pass
06	2437	MCS0	19.5	18.44	28.44	30	Pass
07	2442	MCS0	18.5	18.02	28.06	30	Pass
08	2447	MCS0	16.5	15.97	27.00	30	Pass
09	2452	MCS0	15	15.26	26.76	30	Pass

Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Data Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
03	2422	MCS0	14	13.96	25.36	30	Pass
04	2427	MCS0	17	16.96	26.90	30	Pass
05	2432	MCS0	18.5	17.44	27.85	30	Pass
06	2437	MCS0	20.5	19.81	29.06	30	Pass
07	2442	MCS0	17.5	16.48	27.14	30	Pass
08	2447	MCS0	16.5	15.70	26.92	30	Pass
09	2452	MCS0	14	13.63	25.41	30	Pass



Test Mode :	Mode 16~22	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
03	2422	MCS8	11.5	10.72	12.66	14.81	22.01	24.71	26.58	30	Pass
04	2427	MCS8	13	12.82	13.64	16.26	24.63	25.63	28.17	30	Pass
05	2432	MCS8	16	15.84	15.00	18.45	26.75	26.53	29.65	30	Pass
06	2437	MCS8	16	15.69	14.95	18.35	27.00	26.54	29.79	30	Pass
07	2442	MCS8	16	16.14	15.06	18.64	27.12	26.61	29.88	30	Pass
08	2447	MCS8	15	15.36	14.83	18.11	26.43	26.31	29.38	30	Pass
09	2452	MCS8	12	11.44	11.90	14.69	23.39	23.90	26.66	30	Pass

Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	6	20	19.90	25.61	30	Pass
157	5785	6	20	19.93	25.61	30	Pass
165	5825	6	20	19.97	25.67	30	Pass

Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	6	20	19.62	25.57	30	Pass
157	5785	6	20	19.48	25.50	30	Pass
165	5825	6	20	19.60	25.60	30	Pass



Test Mode :	Mode 23~25	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
149	5745	6	20	19.80	19.32	22.58	25.56	25.14	28.37	30	Pass
157	5785	6	20	20.01	19.56	22.80	25.61	25.46	28.55	30	Pass
165	5825	6	20	19.60	19.54	22.58	25.33	25.23	28.29	30	Pass

Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	MCS0	20	19.98	25.51	30	Pass
157	5785	MCS0	20	20.00	25.64	30	Pass
165	5825	MCS0	20	20.02	25.72	30	Pass

Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
149	5745	MCS0	20	19.53	25.45	30	Pass
157	5785	MCS0	20	19.59	25.51	30	Pass
165	5825	MCS0	20	19.62	25.50	30	Pass



Test Mode :	Mode 26~28	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
149	5745	MCS8	20	19.77	19.51	22.65	25.47	25.36	28.43	30	Pass
157	5785	MCS8	20	19.78	19.46	22.63	25.50	25.30	28.41	30	Pass
165	5825	MCS8	20	19.77	19.70	22.75	25.48	25.50	28.50	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
151	5755	MCS0	20	20.02	25.67	30	Pass
159	5795	MCS0	20	19.84	25.55	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
				Average	Peak		
151	5755	MCS0	20	19.70	25.63	30	Pass
159	5795	MCS0	20	19.54	25.59	30	Pass

Test Mode :	Mode 29~30	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	51~54%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A+B) Measured Output Power (dBm)						Max. Limits (dBm)	Pass/Fail
				Average			Peak				
				Chain A	Chain B	Total Power	Chain A	Chain B	Total Power		
151	5755	MCS8	20	19.90	19.53	22.73	25.48	25.36	28.43	30	Pass
159	5795	MCS8	20	19.80	19.53	22.68	25.55	25.38	28.48	30	Pass

3.3 Band Edges Measurement

3.3.1 Limit of Band Edges

In any 100 kHz bandwidth outside the intentional radiation frequency band, the radio frequency power shall be at least 20 dB below the highest level of the radiated power. If the output power of this device was measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB.

3.3.2 Measuring Instruments

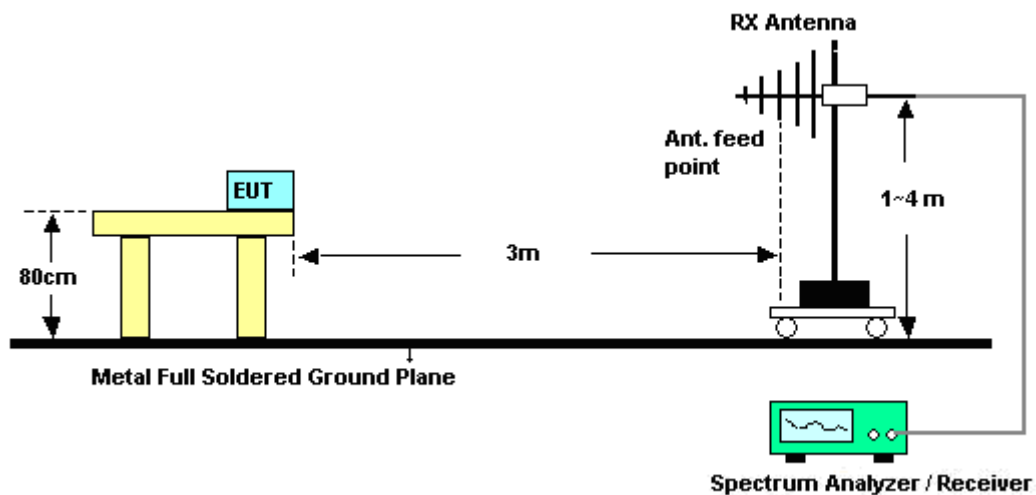
See list of measuring instruments of this test report.

3.3.3 Test Procedures

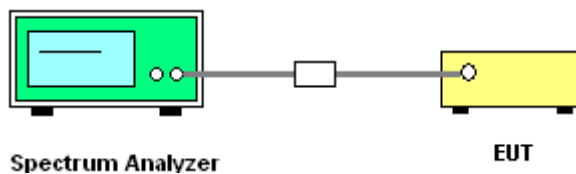
1. The testing follows the guidelines in FCC KDB Publication No. 558074 and FCC KDB Publication No. 558074 (Measurement Guidelines of DTS).
2. Conducted emission test: Set RBW \geq 1% of the span, Video bandwidth (VBW) > RBW. Band edge emissions must be at least 20 dB below the highest emission level within the authorized band as measured with a 100 kHz RBW. Note: If the output power of this device was measured by power meter, the attenuation under this paragraph shall be 30 dB instead of 20 dB.
3. Radiated emission test: Apply to band edge emissions that fall in the restricted bands listed in FCC Section 15.205. The maximum permitted average field strength is listed in FCC Section 15.209. A pre-amp is necessary for this measurement. For measurements above 1 GHz, set RBW = 1MHz, VBW = 10 Hz, Sweep=Auto. If the emission is pulsed, modify the unit for continuous operation; use the settings shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation as in FCC Section 15.35(b) and (c).

3.3.4 Test Setup

<Radiated Band Edges>



<Conducted Band Edges>

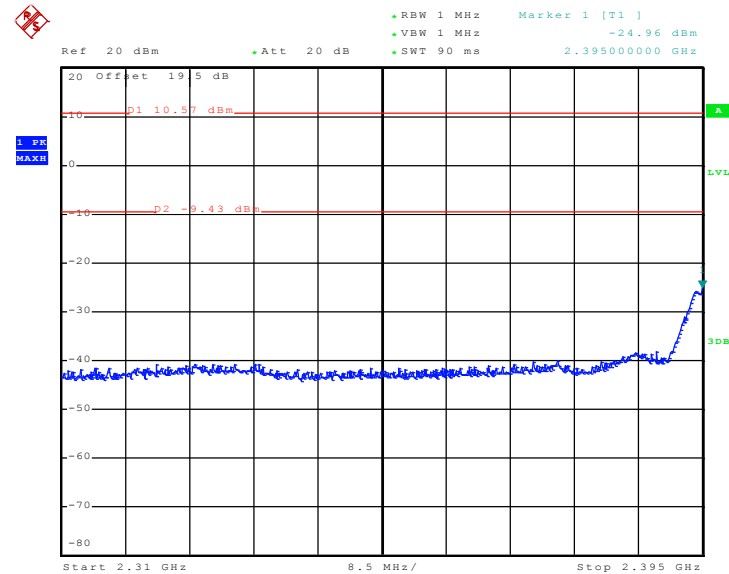


3.3.5 Test Result of Radiated Band Edges

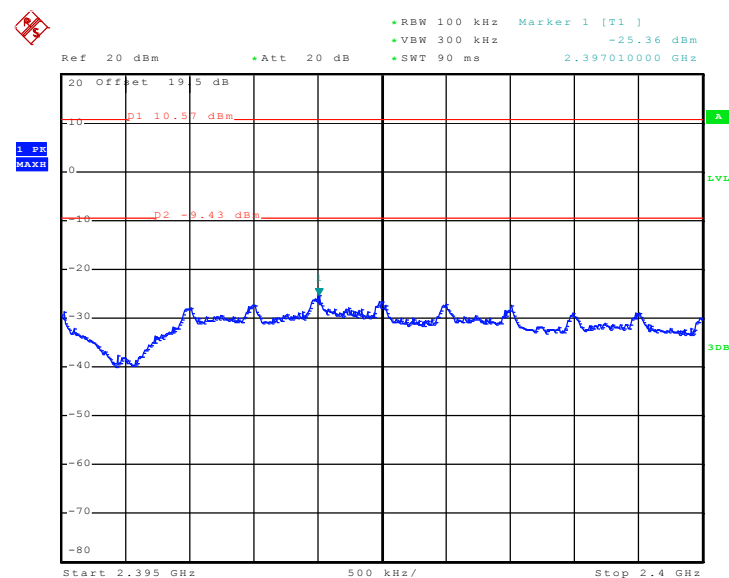
Please refer to Appendix A to E.

**3.3.6 Test Result of Conducted Band Edges**

Test Mode :	Mode 1 and 5	Temperature :	25~27°C
Test Band :	802.11b	Relative Humidity :	51~54%
Test Channel :	01 and 11	Test Engineer :	Ken Hsu

Low Band Edge Plot on 802.11b Channel 01 - Chain A

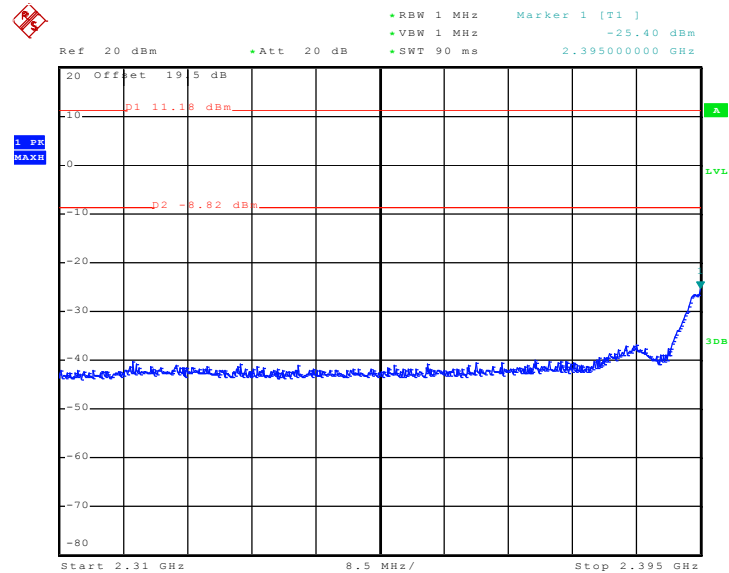
Date: 9.NOV.2010 02:24:22



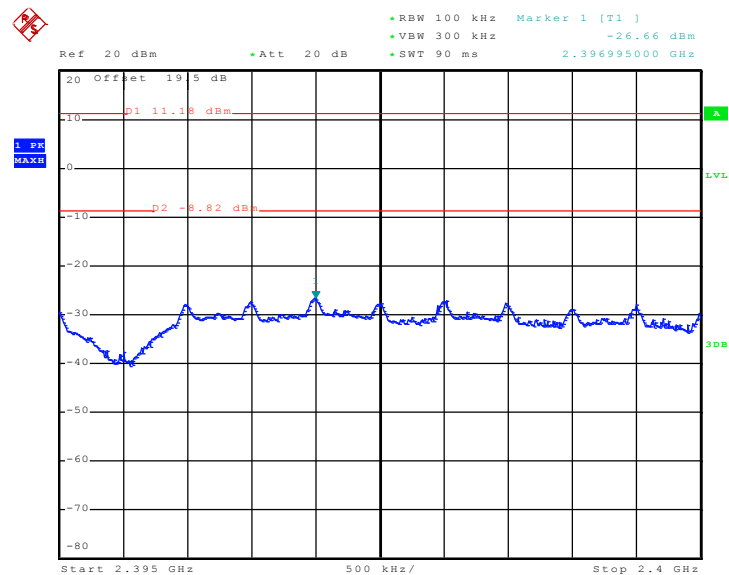
Date: 9.NOV.2010 02:24:44



Low Band Edge Plot on 802.11b Channel 01 - Chain B



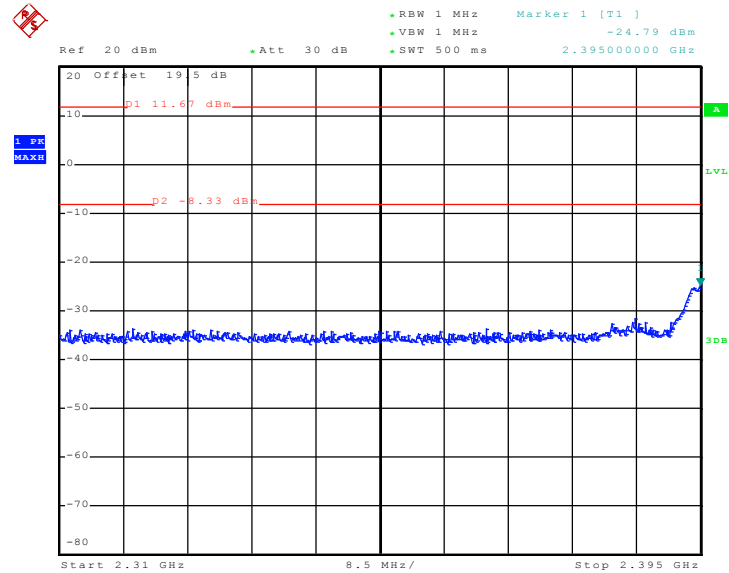
Date: 9.NOV.2010 02:35:03



Date: 9.NOV.2010 02:35:24

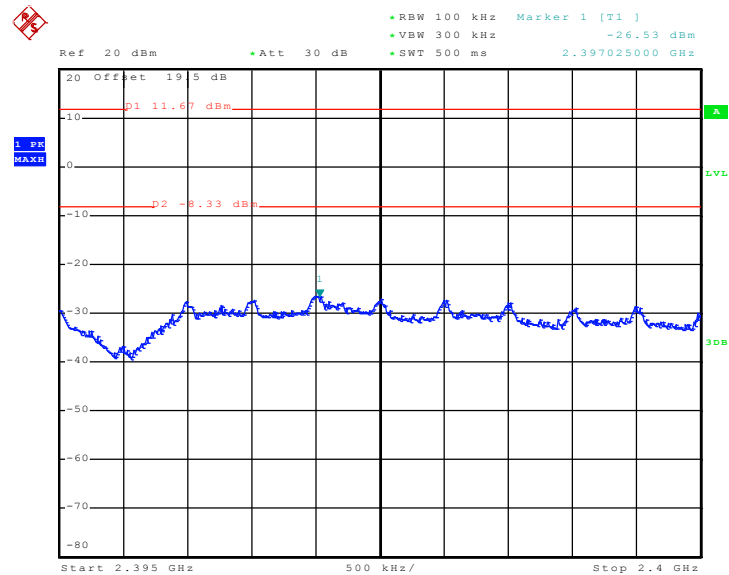


Low Band Edge Plot on 802.11b Channel 01 - Chain A+B(A)



Pra01

Date: 7.NOV.2010 15:26:05

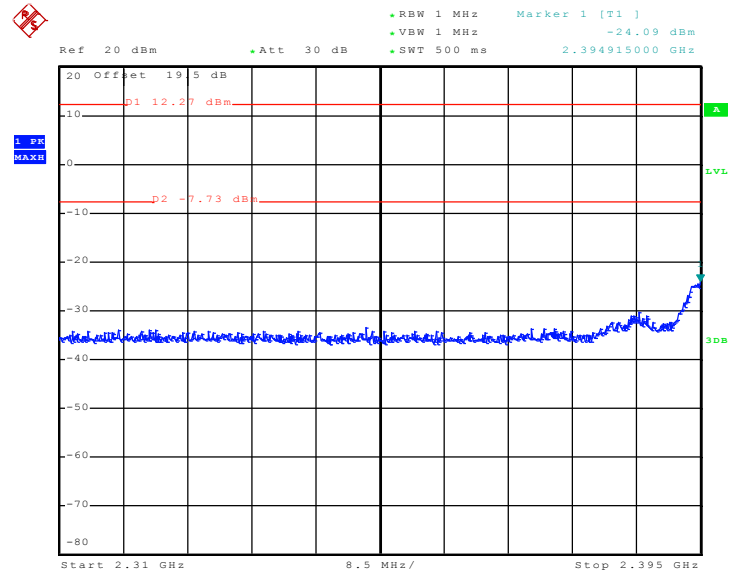


Pra01

Date: 7.NOV.2010 15:26:12

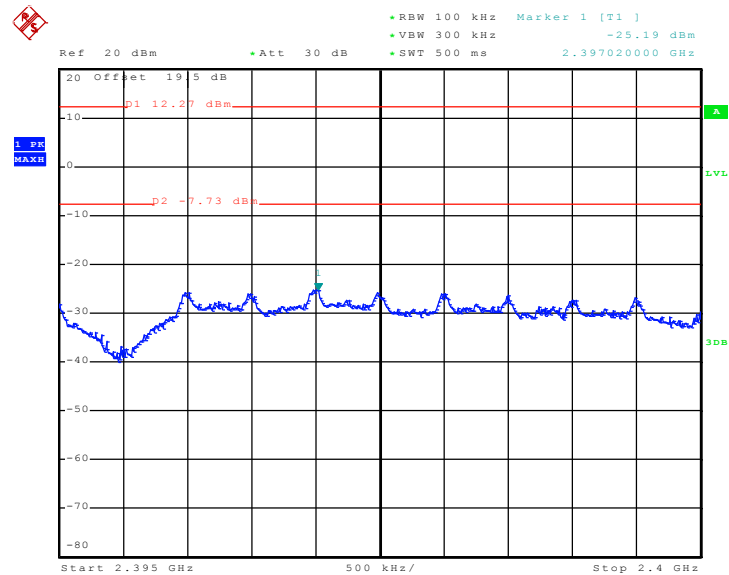


Low Band Edge Plot on 802.11b Channel 01 - Chain A+B(B)



Pra01

Date: 7.NOV.2010 15:40:04

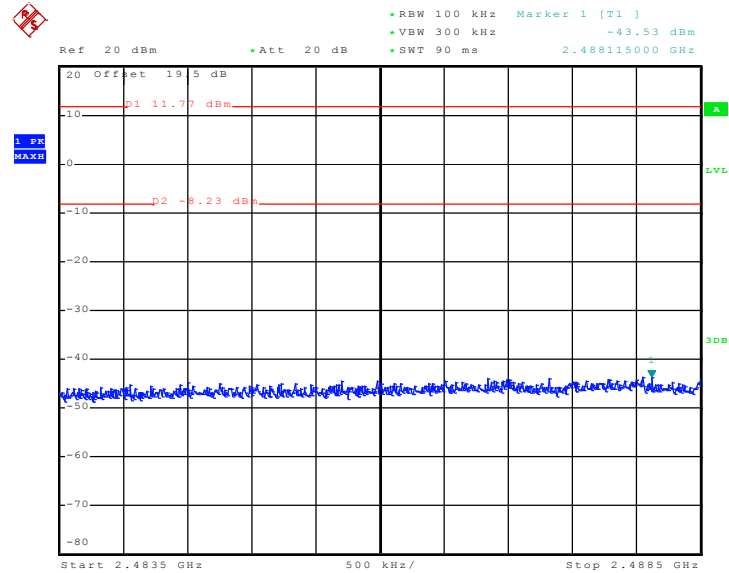


Pra01

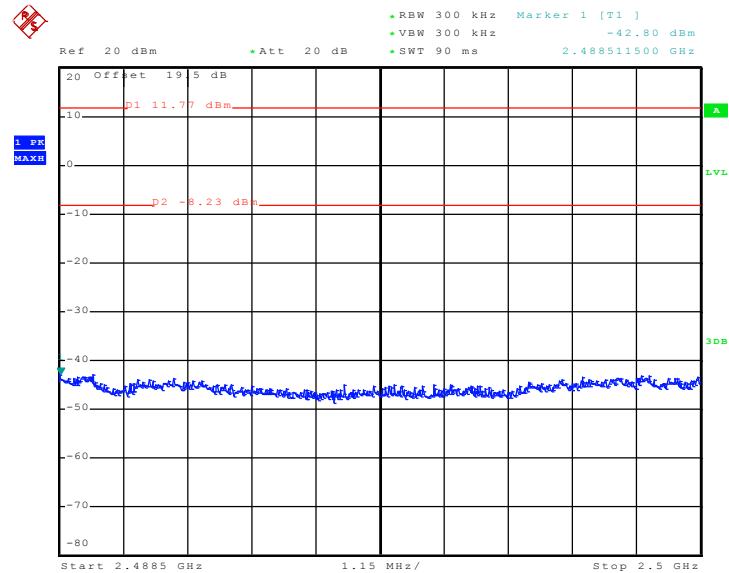
Date: 7.NOV.2010 15:40:11



High Band Edge Plot on 802.11b Channel 11 - Chain A



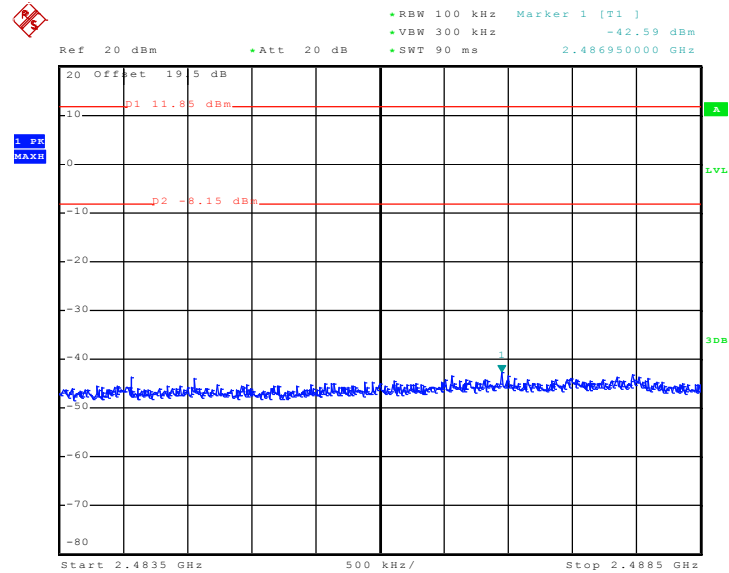
Date: 9.NOV.2010 02:28:33



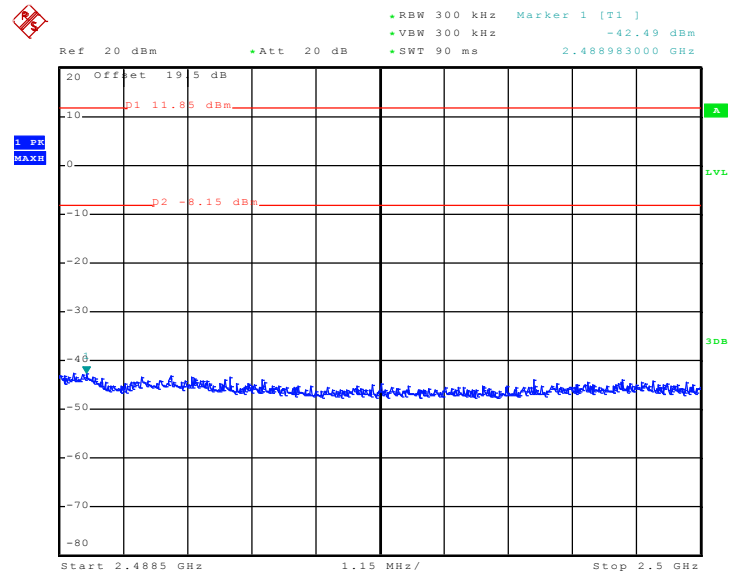
Date: 9.NOV.2010 02:28:11



High Band Edge Plot on 802.11b Channel 11 - Chain B



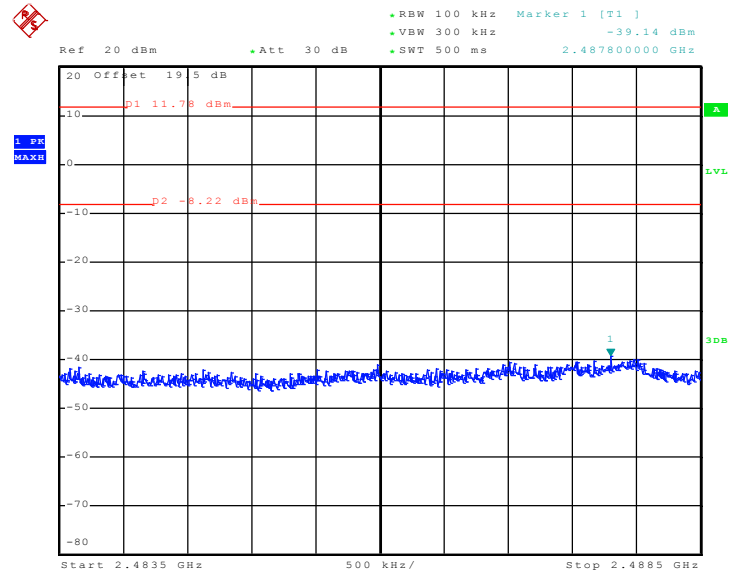
Date: 9.NOV.2010 02:32:15



Date: 9.NOV.2010 02:31:54

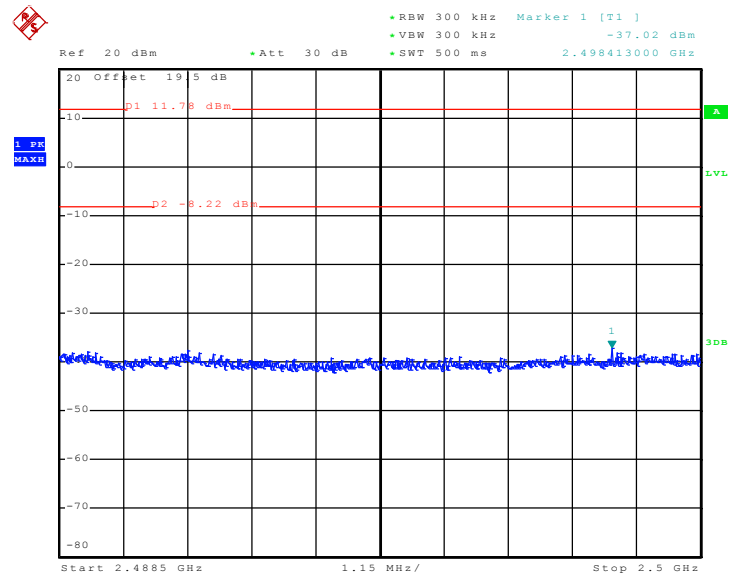


High Band Edge Plot on 802.11b Channel 11 - Chain A+B(A)



Pra01

Date: 7.NOV.2010 17:05:15

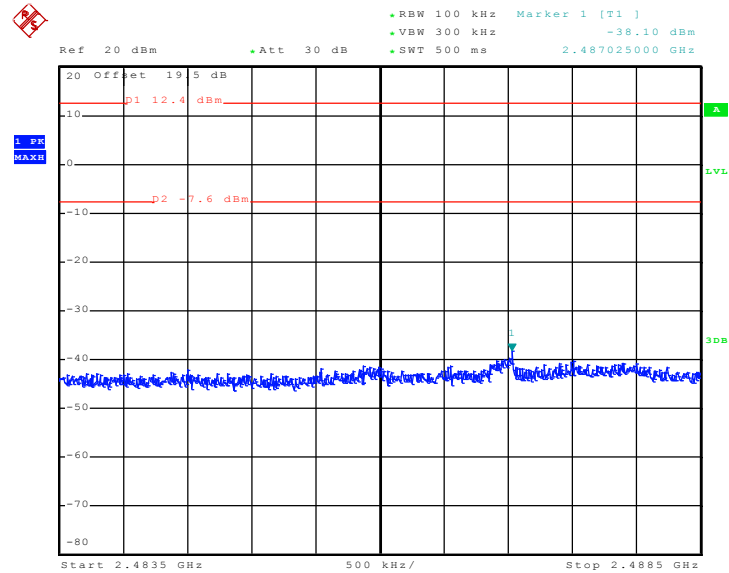


Pra01

Date: 7.NOV.2010 17:05:08

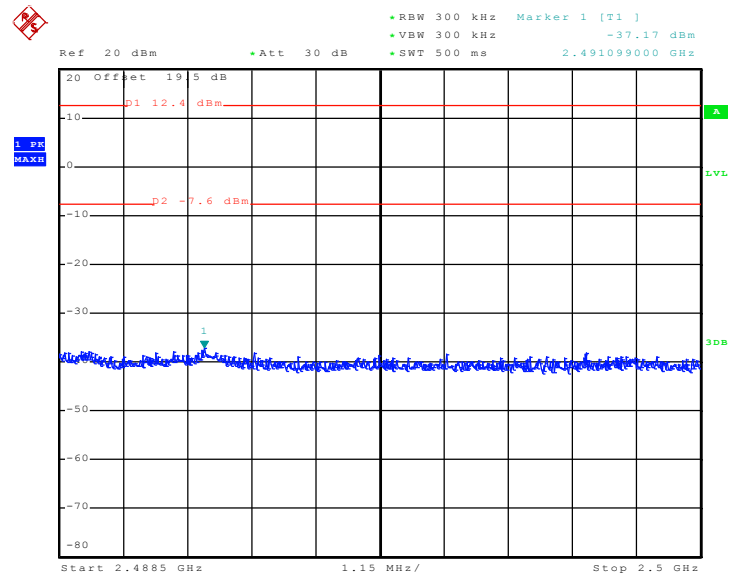


High Band Edge Plot on 802.11b Channel 11 - Chain A+B(B)



Pra01

Date: 7.NOV.2010 17:16:44

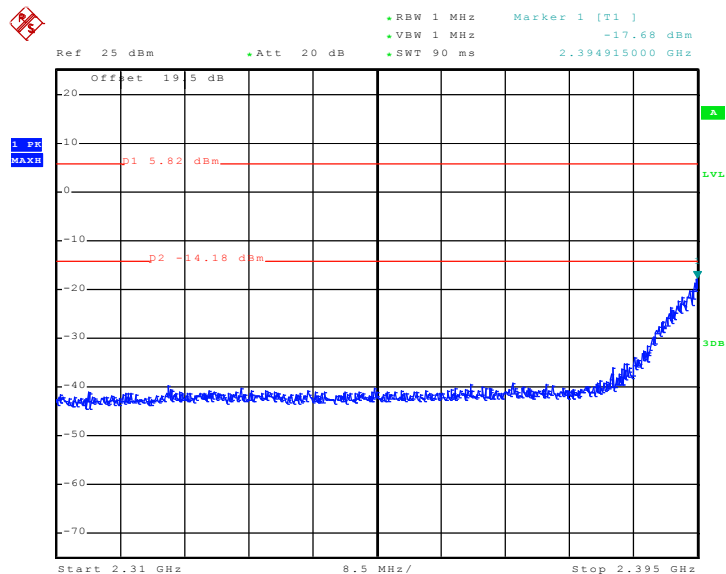


Pra01

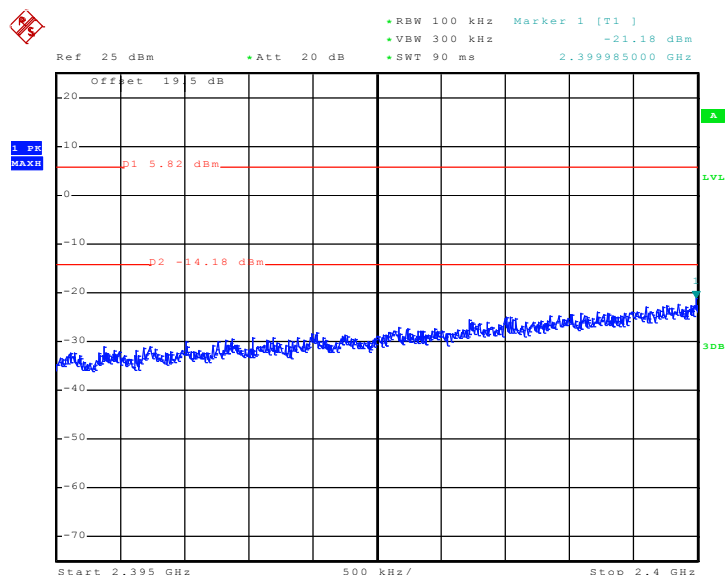
Date: 7.NOV.2010 17:16:38



Test Mode :	Mode 6 and 10	Temperature :	25~27°C
Test Band :	802.11g	Relative Humidity :	51~54%
Test Channel :	01 and 11	Test Engineer :	Ken Hsu

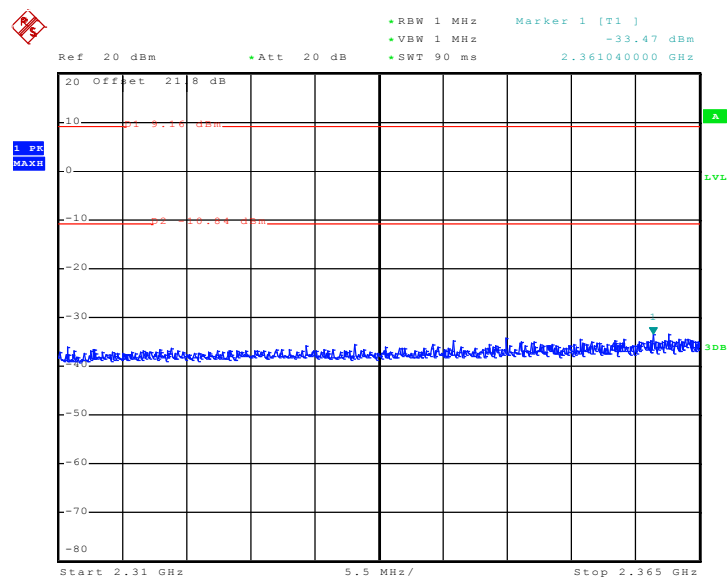
Low Band Edge Plot on 802.11g Channel 01 - Chain A

Date: 1.NOV.2010 02:48:22

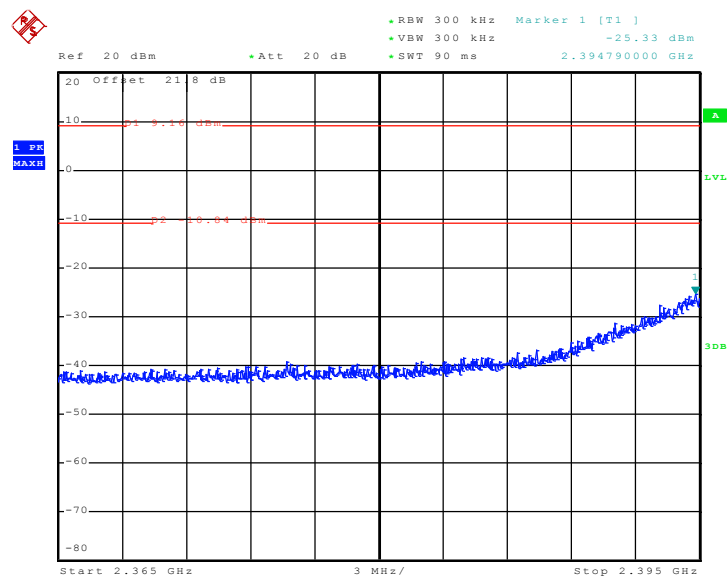


Date: 1.NOV.2010 02:48:29

Low Band Edge Plot on 802.11g Channel 01 - Chain B



Date: 17.NOV.2010 18:09:46

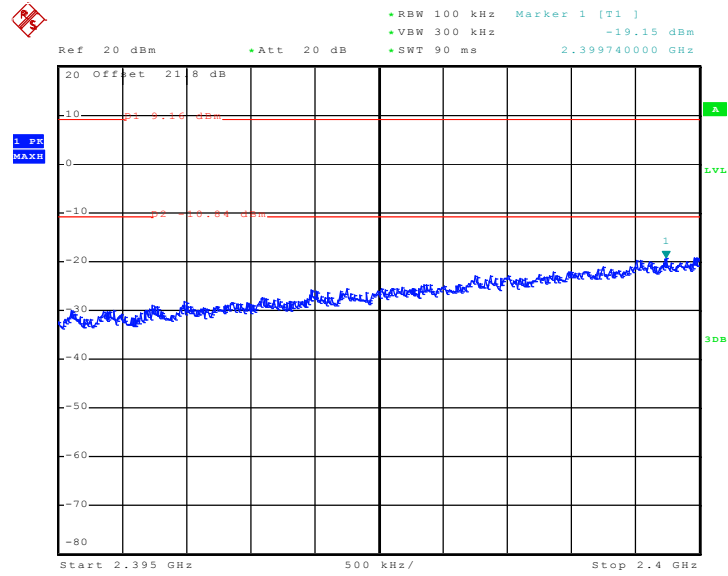


Date: 17.NOV.2010 18:10:08



FCC RF Test Report

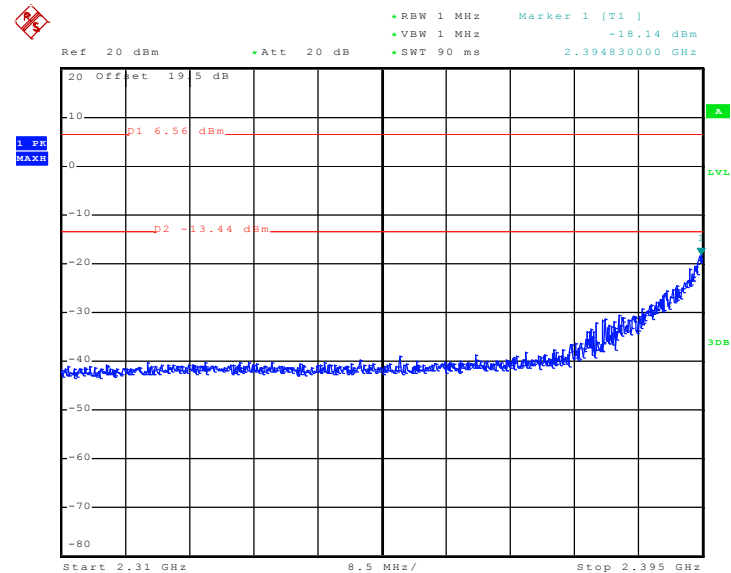
Report No. : FR092308A



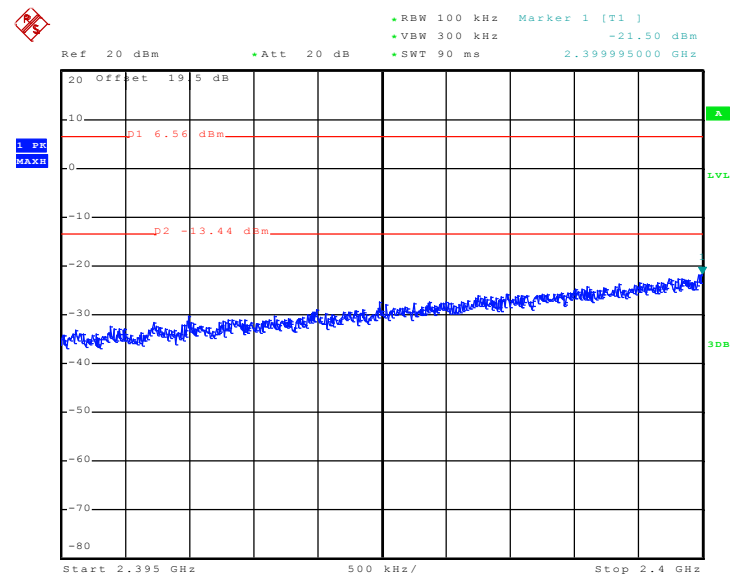
Date: 17.NOV.2010 18:10:29



Low Band Edge Plot on 802.11g Channel 01 - Chain A+B(A)



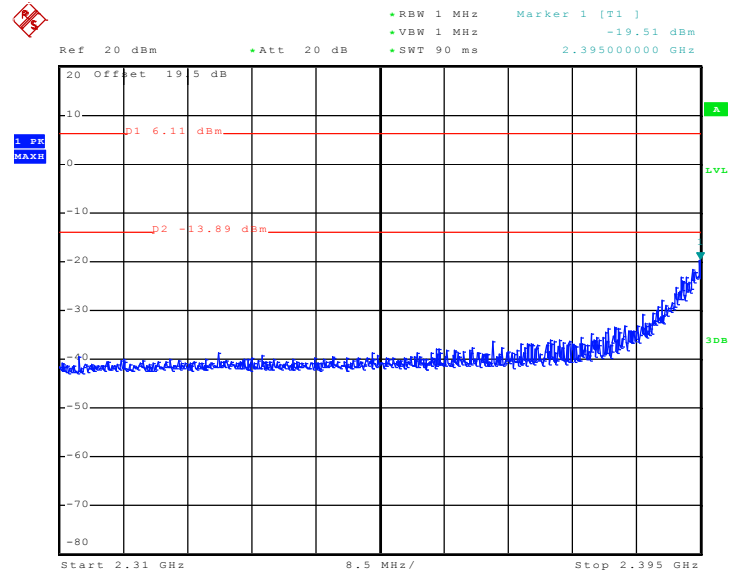
Date: 8.NOV.2010 09:20:51



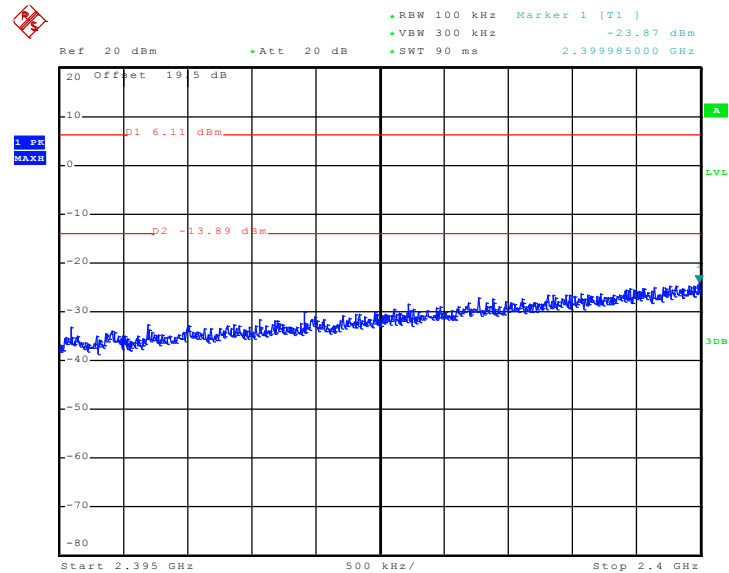
Date: 8.NOV.2010 09:20:58



Low Band Edge Plot on 802.11g Channel 01 - Chain A+B(B)



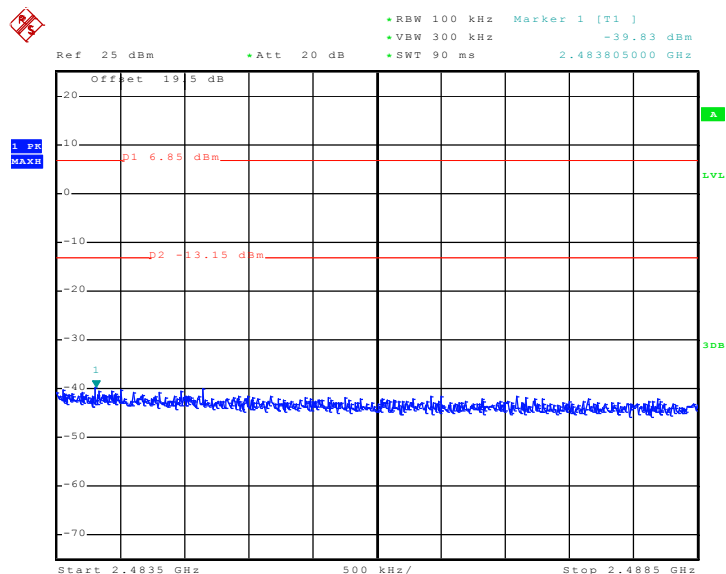
Date: 8.NOV.2010 09:37:02



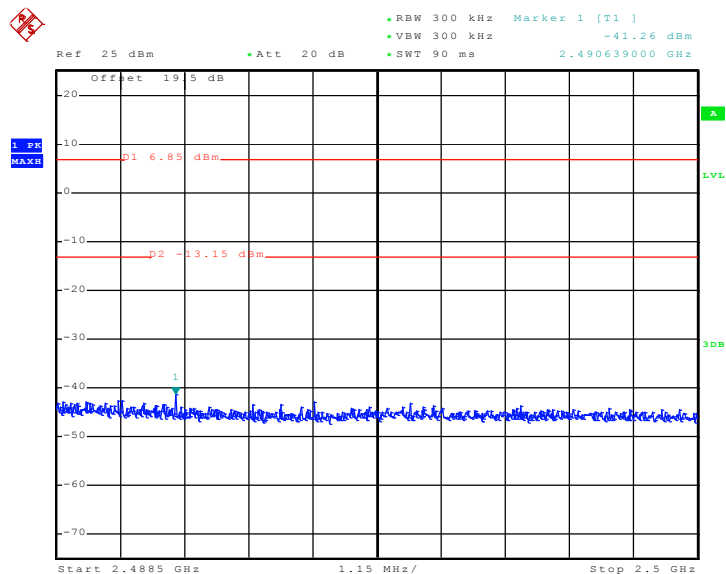
Date: 8.NOV.2010 09:37:09



High Band Edge Plot on 802.11g Channel 11 - Chain A



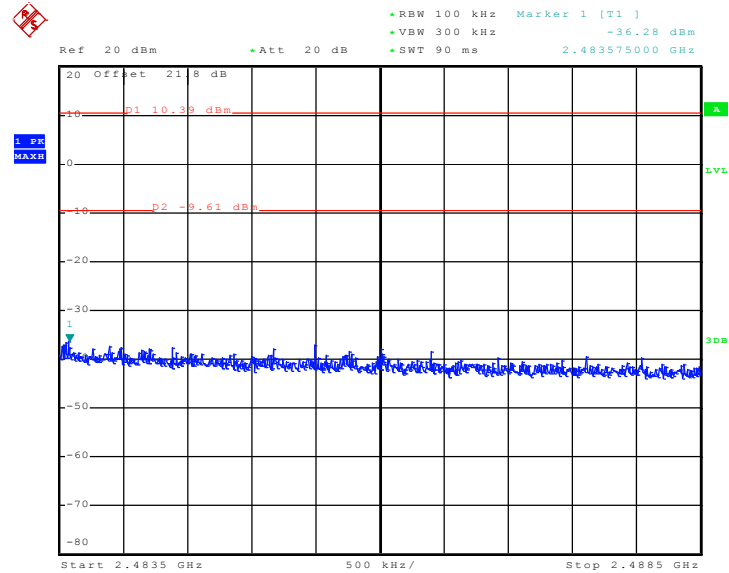
Date: 1.NOV.2010 03:43:09



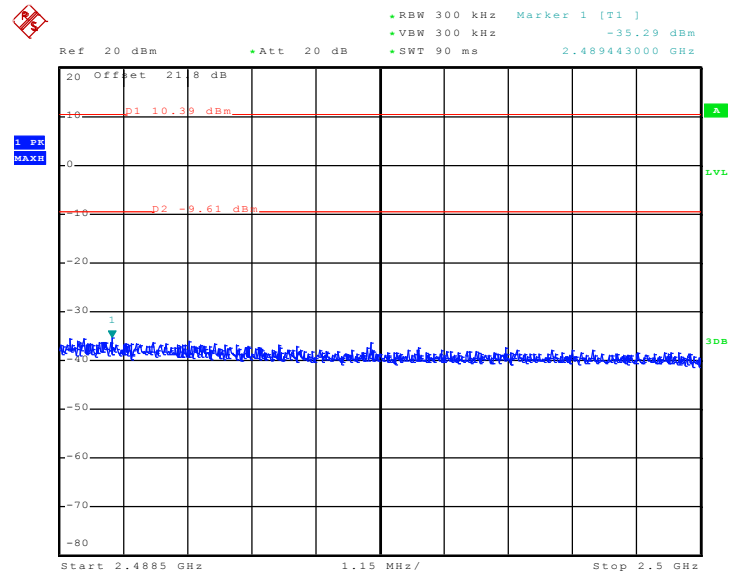
Date: 1.NOV.2010 03:43:03



High Band Edge Plot on 802.11g Channel 11 - Chain B



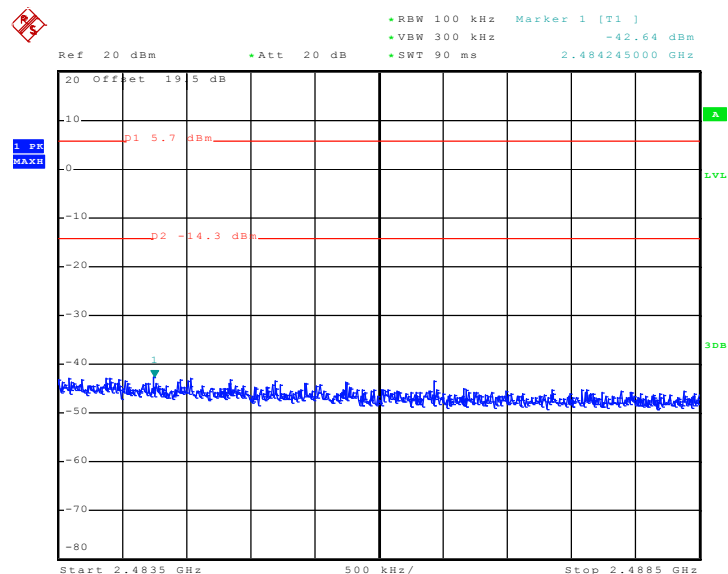
Date: 17.NOV.2010 19:00:24



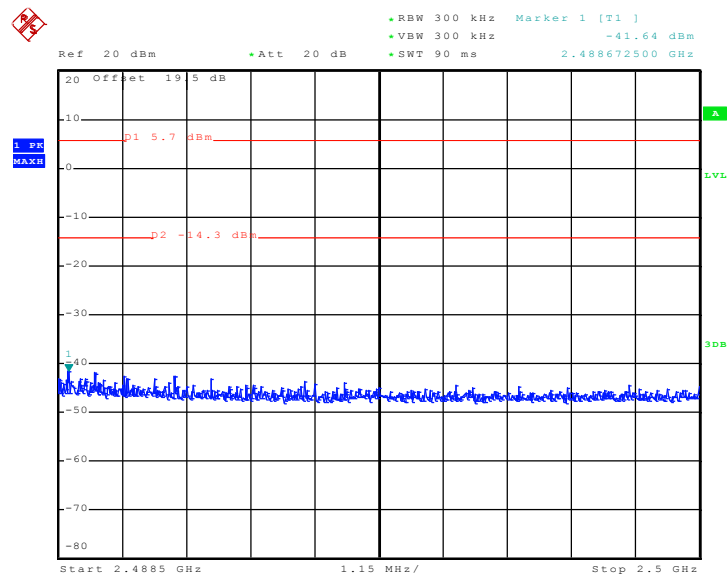
Date: 17.NOV.2010 19:00:03



High Band Edge Plot on 802.11g Channel 11 - Chain A+B(A)



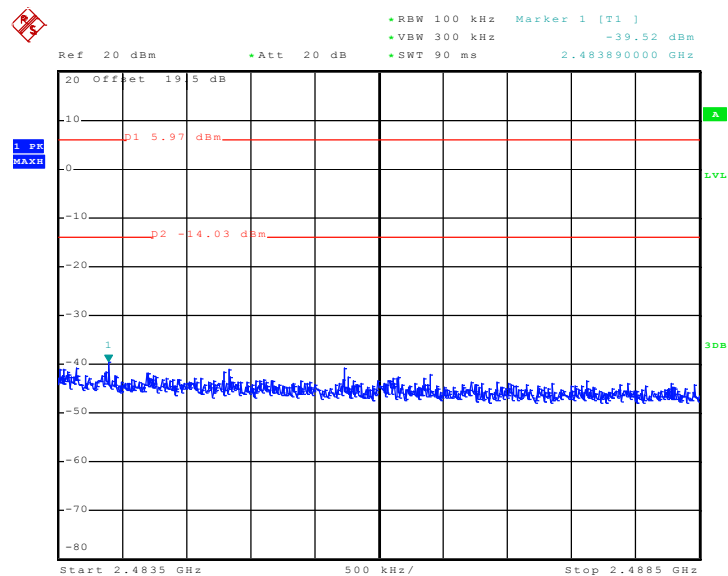
Date: 8.NOV.2010 11:29:05



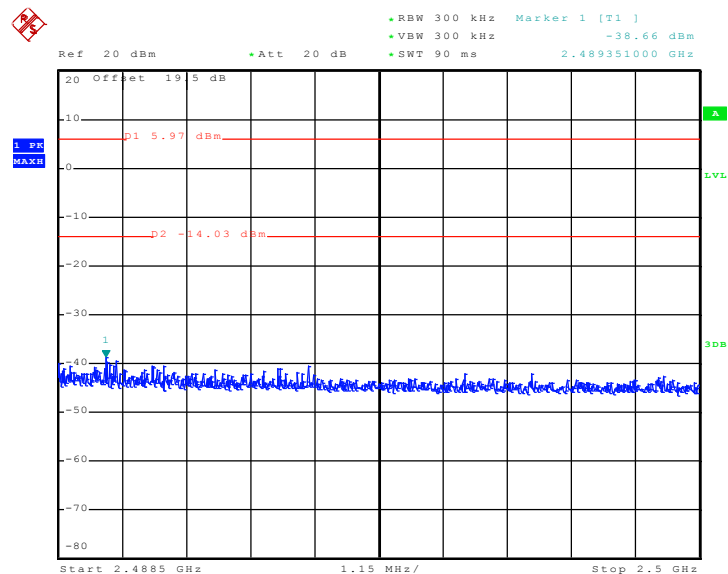
Date: 8.NOV.2010 11:28:58



High Band Edge Plot on 802.11g Channel 11 - Chain A+B(B)



Date: 8.NOV.2010 12:35:39

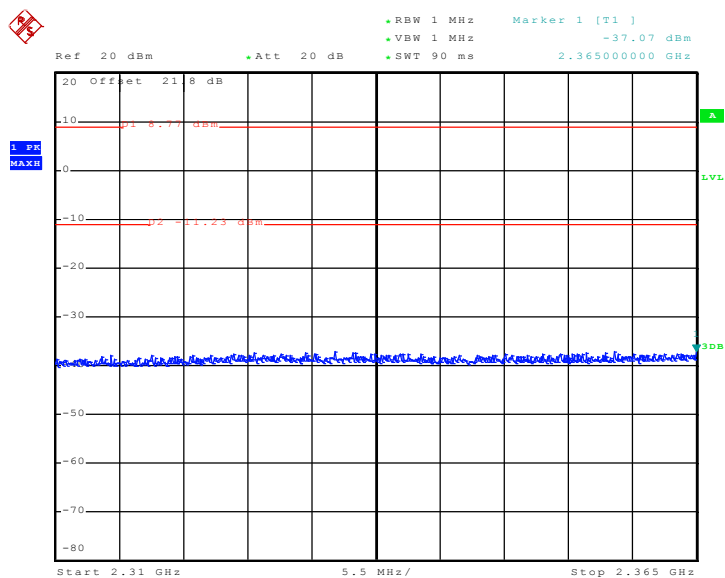


Date: 8.NOV.2010 12:35:33



Test Mode :	Mode 11 and 15	Temperature :	25~27°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	51~54%
Test Channel :	01 and 11	Test Engineer :	Ken Hsu

**Low Band Edge Plot on 802.11n (BW 20MHz) Channel 01 -
Chain A**

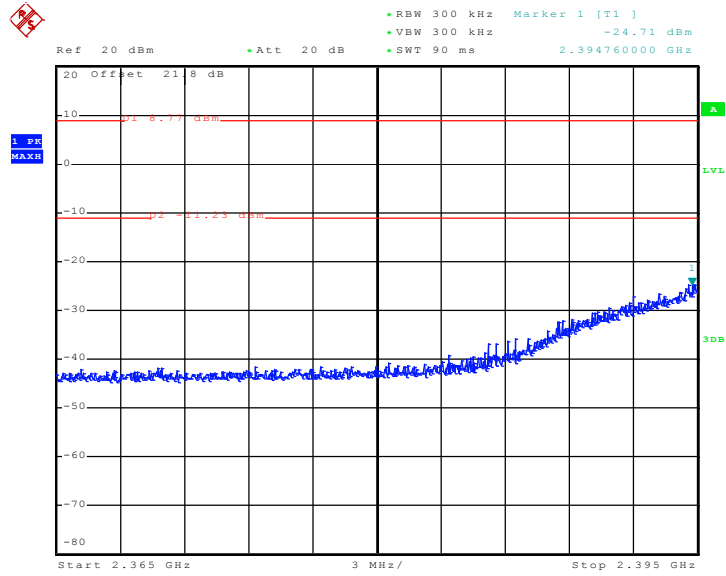


Date: 17.NOV.2010 16:28:25

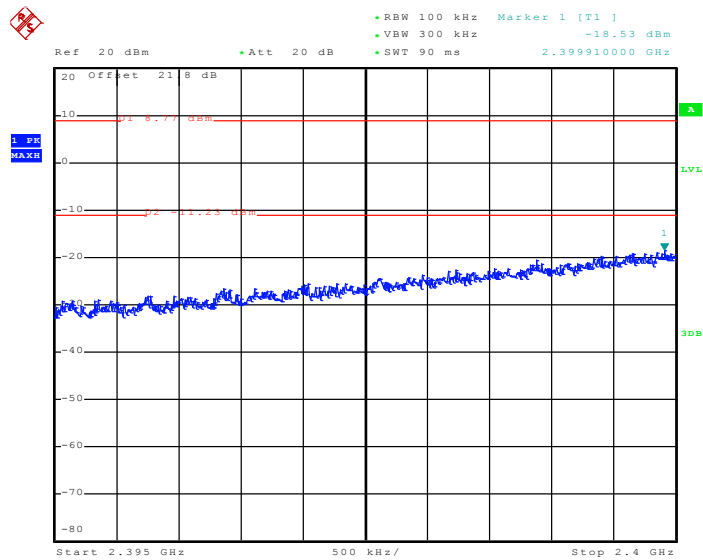


FCC RF Test Report

Report No. : FR092308A



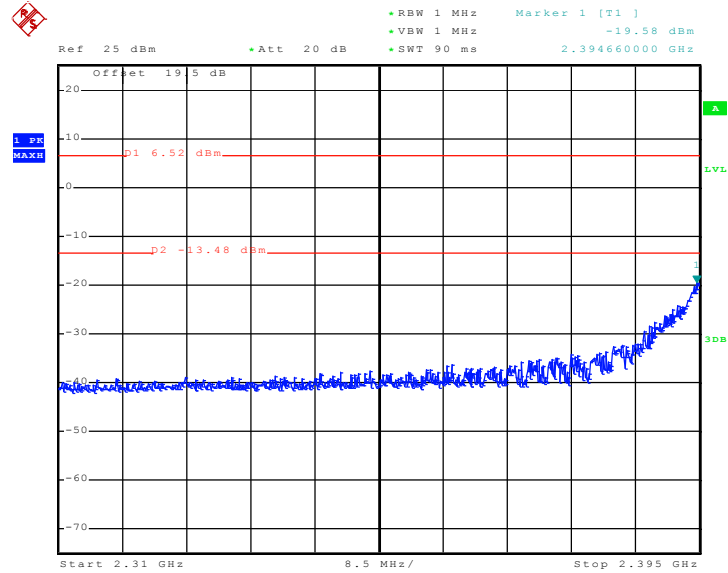
Date: 17.NOV.2010 16:28:47



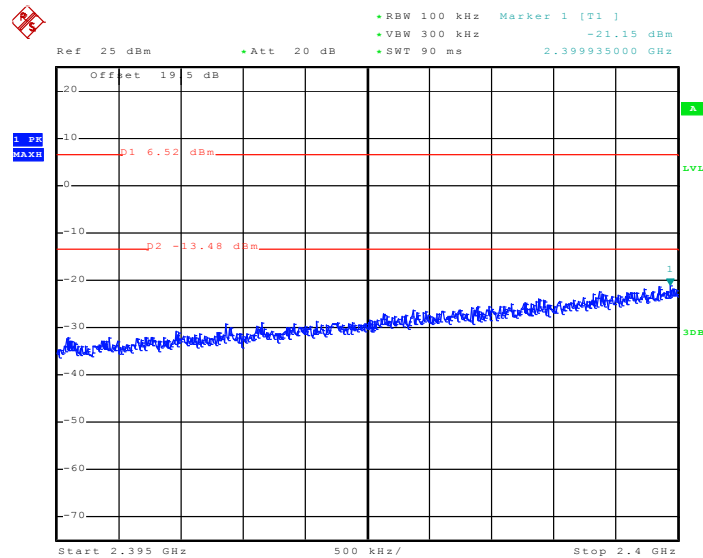
Date: 17.NOV.2010 16:29:09



Low Band Edge Plot on 802.11n (BW 20MHz) Channel 01 -
Chain B



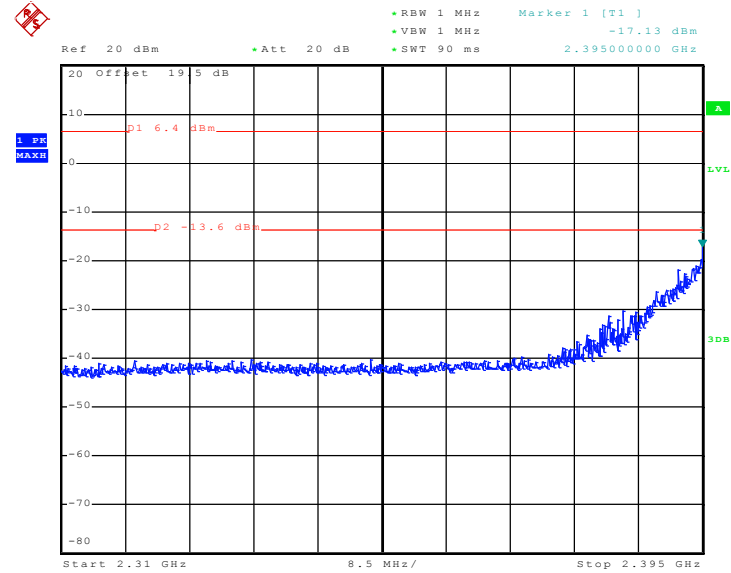
Date: 1.NOV.2010 03:57:27



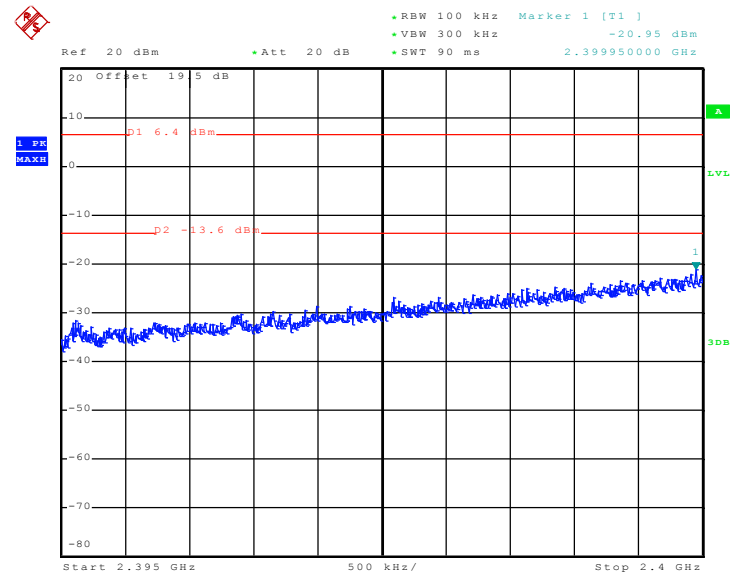
Date: 1.NOV.2010 03:57:34



Low Band Edge Plot on 802.11n (BW 20MHz) Channel 01 - Chain
A+B(A)



Date: 8.NOV.2010 13:28:04



Date: 8.NOV.2010 13:28:11