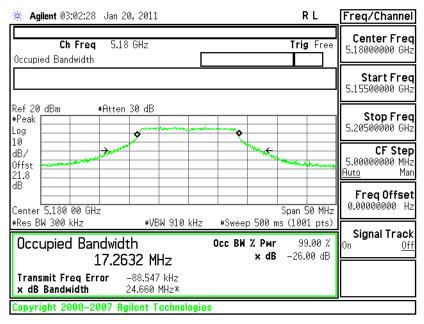
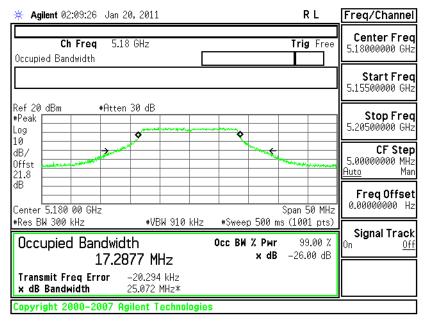


<Antenna 3 for 3.3V>

26 dB & 99% Bandwidth Plot on 802.11a Channel 36 - Chain A



26 dB & 99% Bandwidth Plot on 802.11a Channel 36 - Chain B



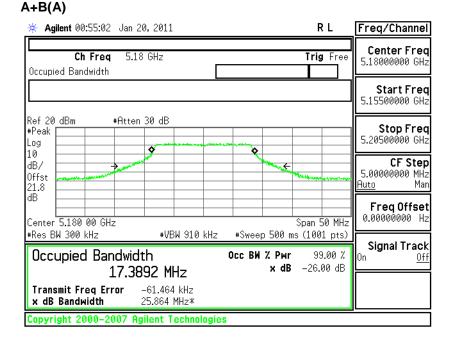
SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6

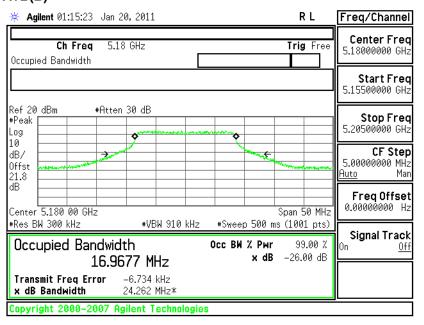
Page Number : 93 of 368 Report Issued Date: Jan. 24, 2011 Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11a Channel 36 - Chain



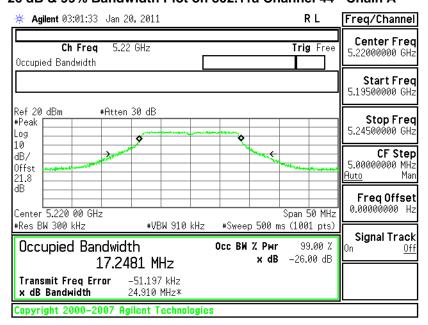
26 dB & 99% Bandwidth Plot on 802.11a Channel 36 - Chain A+B(B)



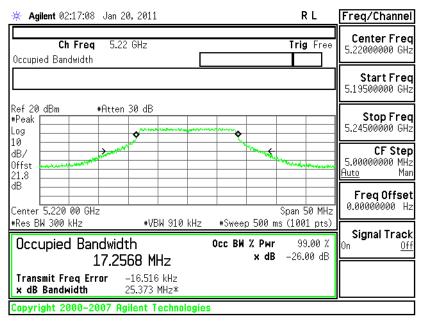
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 94 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11a Channel 44 - Chain A



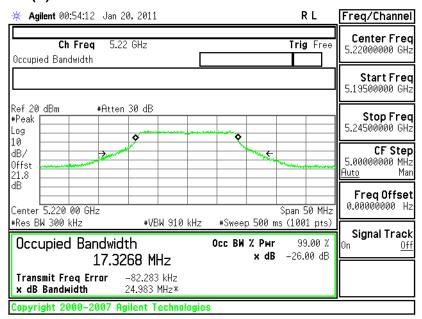
26 dB & 99% Bandwidth Plot on 802.11a Channel 44 - Chain B



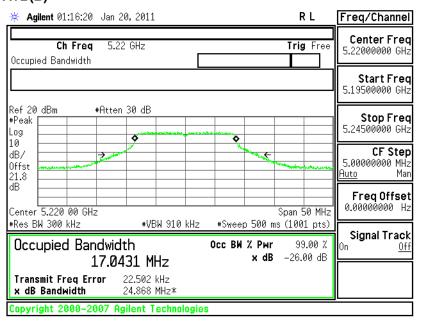
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 95 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11a Channel 44 - Chain A+B(A)



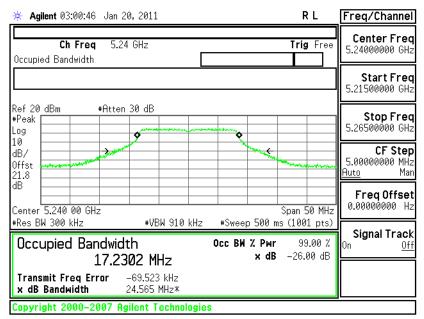
26 dB & 99% Bandwidth Plot on 802.11a Channel 44 - Chain A+B(B)



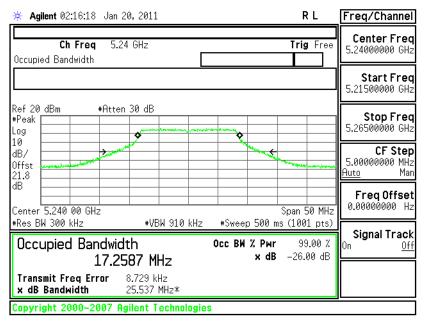
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 96 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11a Channel 48 - Chain A



26 dB & 99% Bandwidth Plot on 802.11a Channel 48 - Chain B

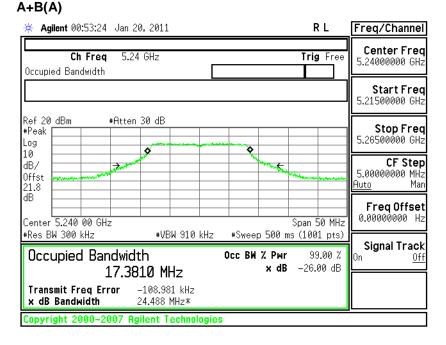


SPORTON INTERNATIONAL INC.

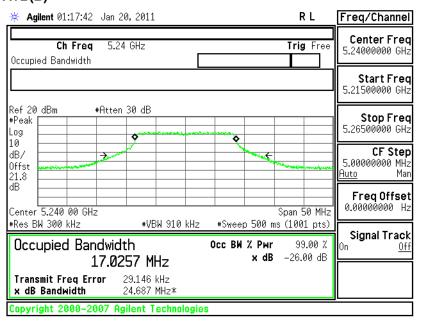
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 97 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11a Channel 48 - Chain



26 dB & 99% Bandwidth Plot on 802.11a Channel 48 - Chain A+B(B)

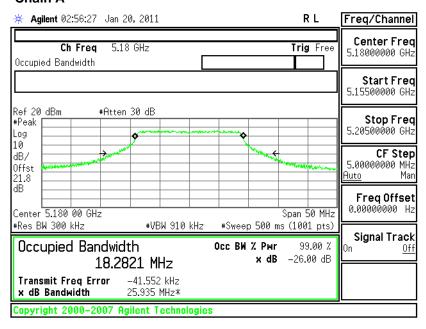


TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 98 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



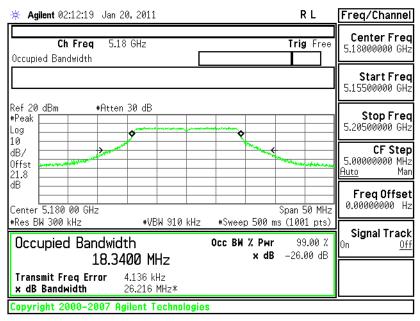
26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 36

- Chain A



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 36

- Chain B

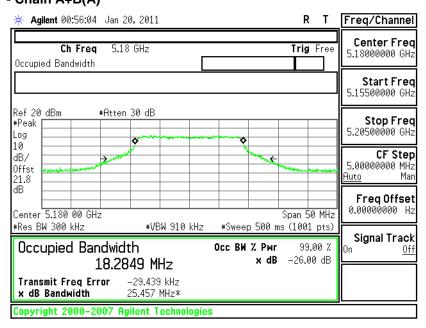


SPORTON INTERNATIONAL INC.

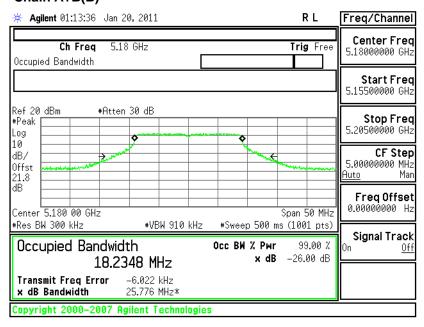
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 99 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 36 - Chain A+B(A)



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 36 - Chain A+B(B)



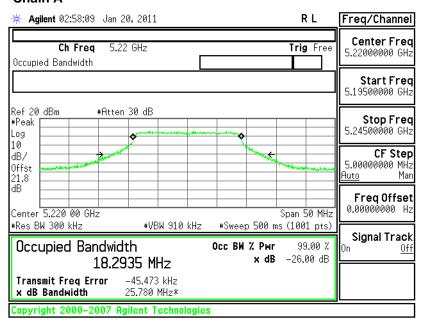
SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 100 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



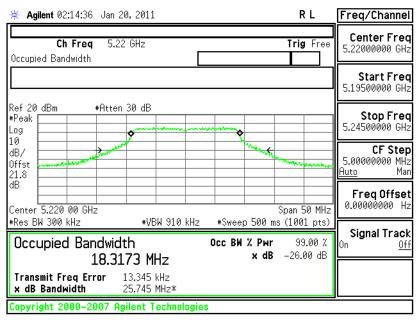
26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 44

- Chain A



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 44

- Chain B

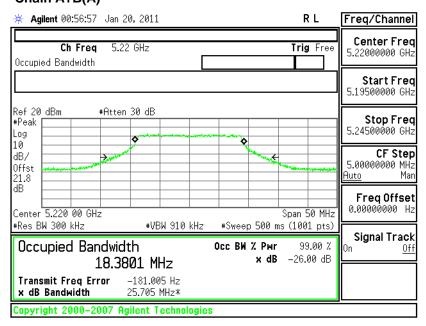


SPORTON INTERNATIONAL INC.

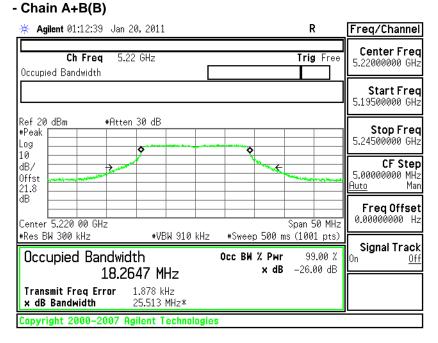
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 101 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 44 - Chain A+B(A)



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 44



TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6

Page Number : 102 of 368 Report Issued Date: Jan. 24, 2011

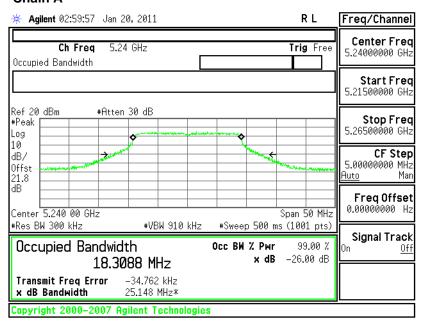
Report No.: FR092308B

Report Version : Rev. 02



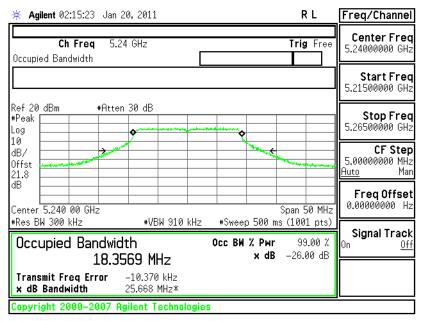
26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 48

- Chain A



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 48

- Chain B



SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6

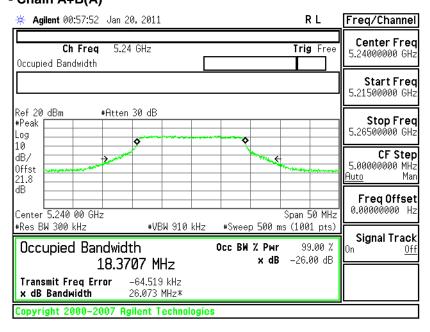
Page Number : 103 of 368 Report Issued Date: Jan. 24, 2011

Report No.: FR092308B

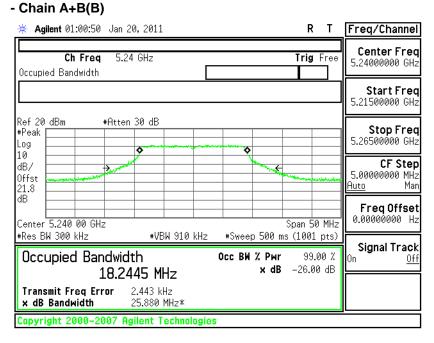
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 48 - Chain A+B(A)



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 48



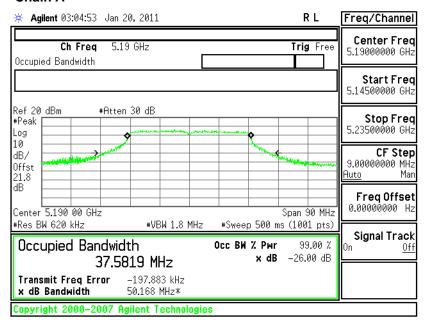
SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 104 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



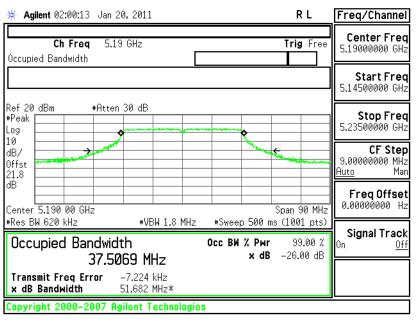
26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 38

- Chain A



26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 38

- Chain B



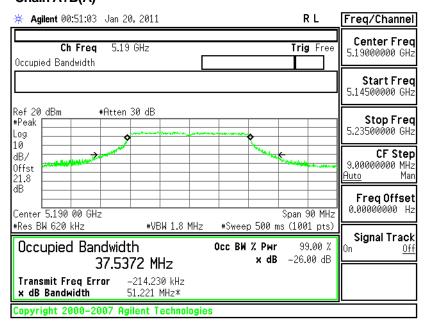
SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6

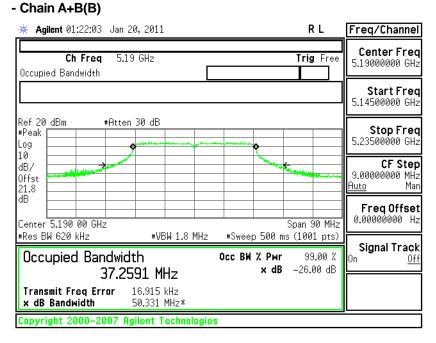
Page Number : 105 of 368 Report Issued Date: Jan. 24, 2011 Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 38 - Chain A+B(A)



26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 38



SPORTON INTERNATIONAL INC.

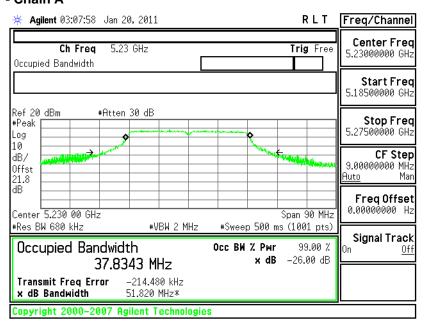
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 106 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 46

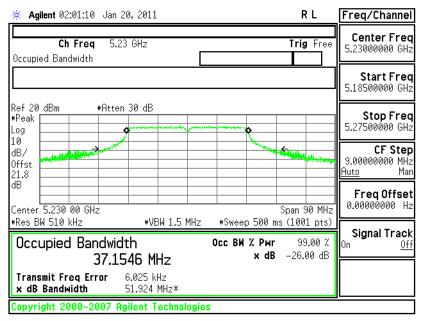
Report No.: FR092308B

- Chain A



26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 46

- Chain B

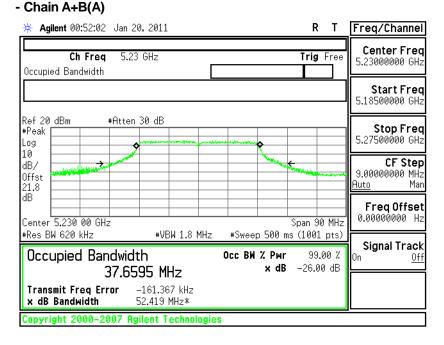


SPORTON INTERNATIONAL INC.

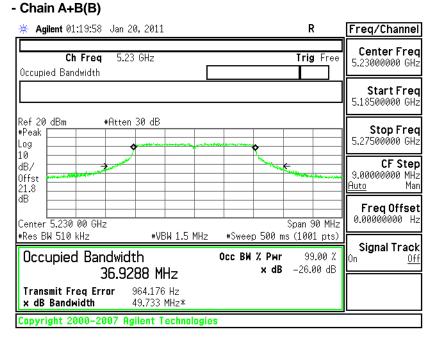
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 107 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 46



26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 46

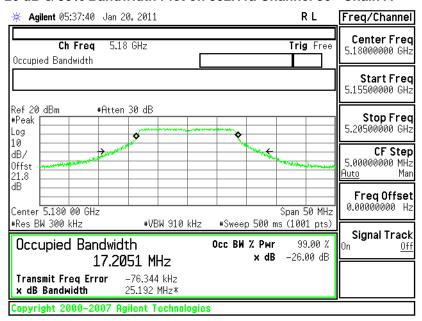


TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 108 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02

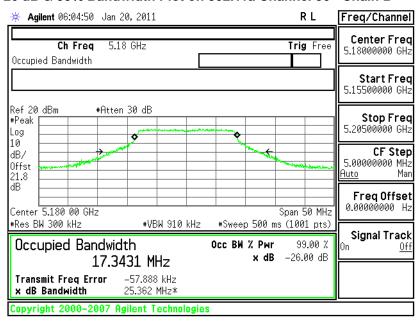


<Antenna 4 for 3.3V>

26 dB & 99% Bandwidth Plot on 802.11a Channel 36 - Chain A



26 dB & 99% Bandwidth Plot on 802.11a Channel 36 - Chain B



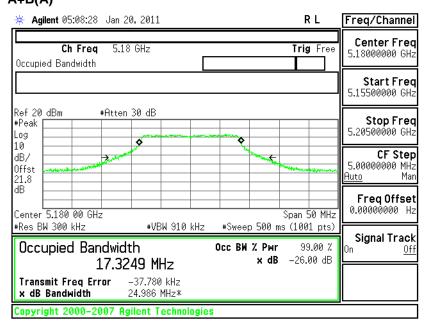
SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6

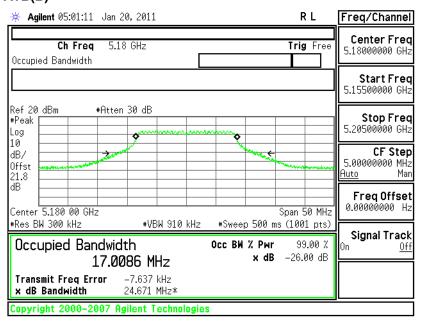
Page Number : 109 of 368 Report Issued Date: Jan. 24, 2011 Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11a Channel 36 - Chain A+B(A)



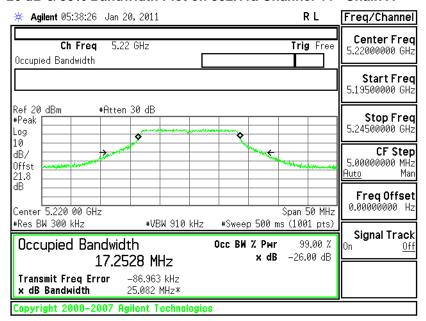
26 dB & 99% Bandwidth Plot on 802.11a Channel 36 - Chain A+B(B)



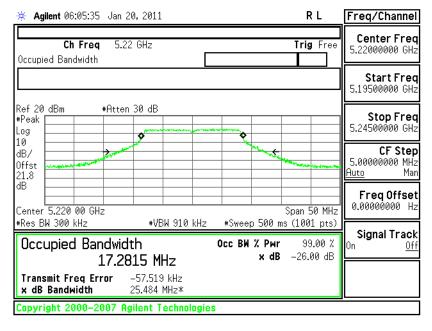
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 110 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11a Channel 44 - Chain A



26 dB & 99% Bandwidth Plot on 802.11a Channel 44 - Chain B

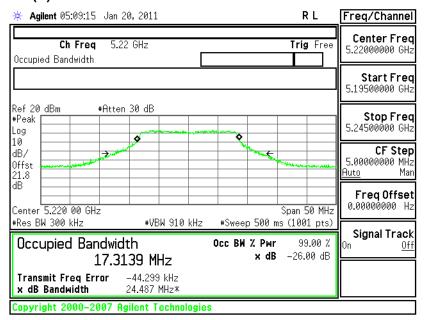


SPORTON INTERNATIONAL INC.

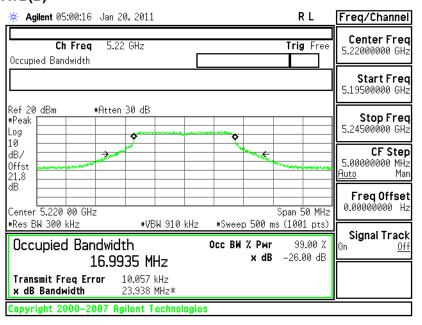
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 111 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11a Channel 44 - Chain A+B(A)

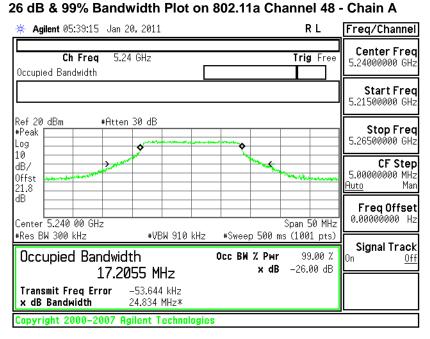


26 dB & 99% Bandwidth Plot on 802.11a Channel 44 - Chain A+B(B)

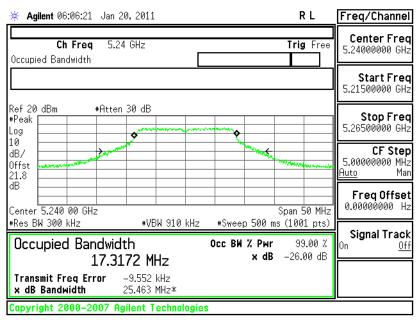


TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 112 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02





26 dB & 99% Bandwidth Plot on 802.11a Channel 48 - Chain B

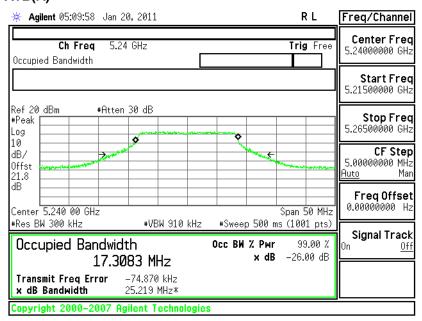


TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6

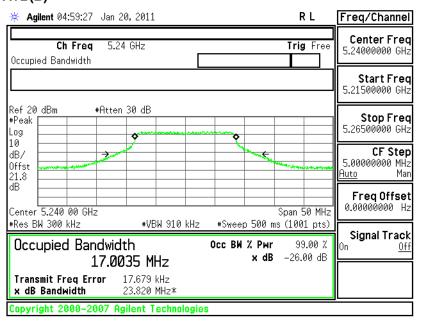
Page Number : 113 of 368 Report Issued Date: Jan. 24, 2011 Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11a Channel 48 - Chain A+B(A)



26 dB & 99% Bandwidth Plot on 802.11a Channel 48 - Chain A+B(B)

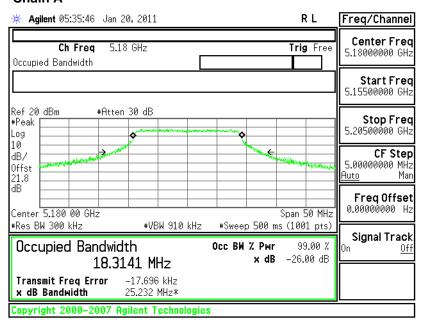


TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 114 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



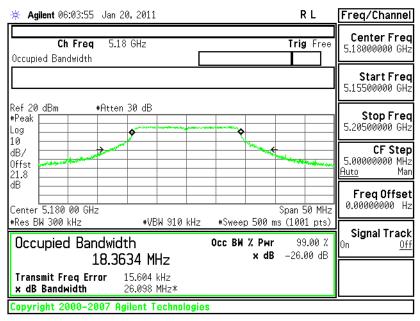
26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 36

- Chain A



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 36

- Chain B

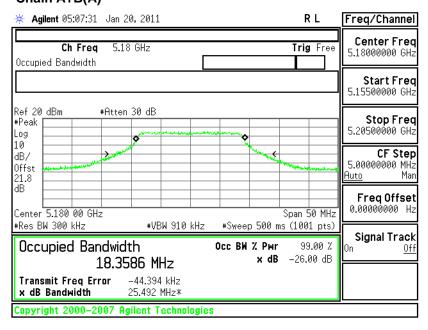


SPORTON INTERNATIONAL INC.

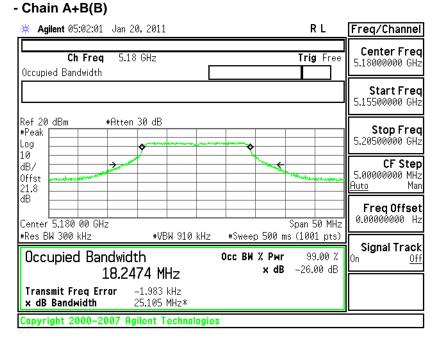
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 115 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 36 - Chain A+B(A)



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 36



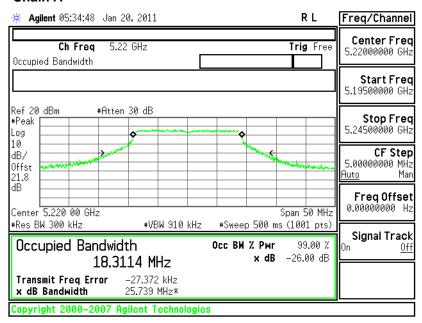
SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 116 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



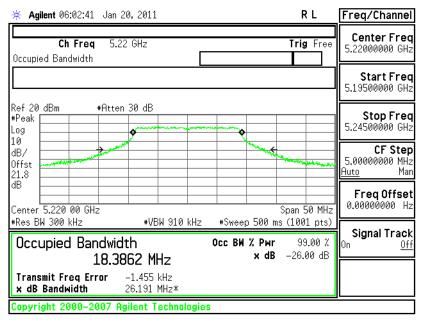
26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 44

- Chain A



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 44

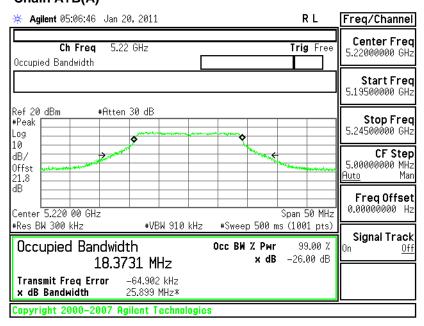
- Chain B



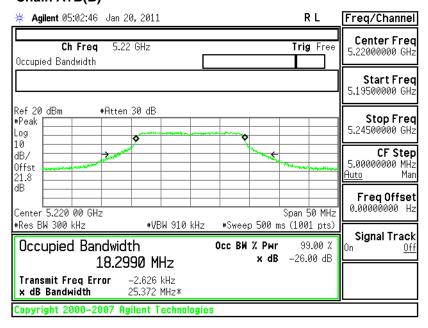
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 117 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 44 - Chain A+B(A)



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 44 - Chain A+B(B)

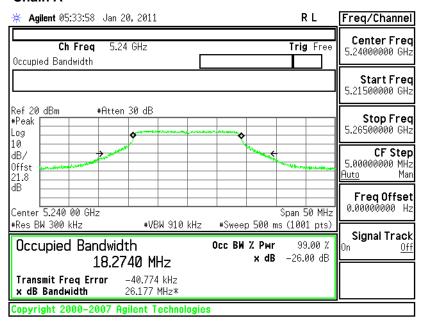


TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 118 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



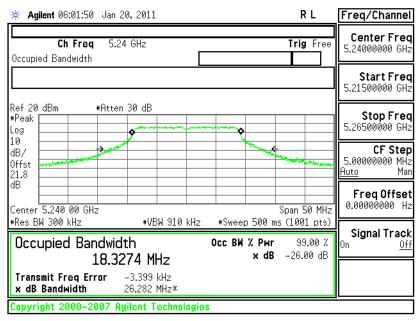
26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 48

- Chain A



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 48

- Chain B

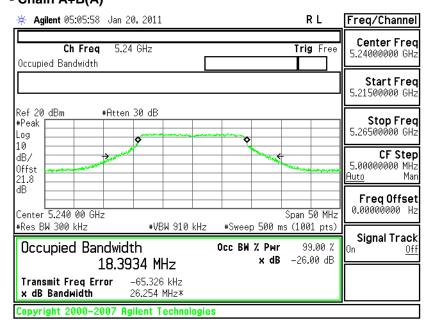


SPORTON INTERNATIONAL INC.

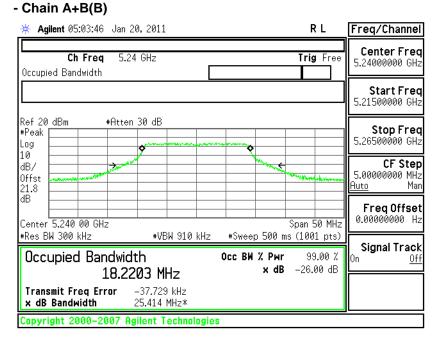
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 119 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 48 - Chain A+B(A)



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 48



SPORTON INTERNATIONAL INC.

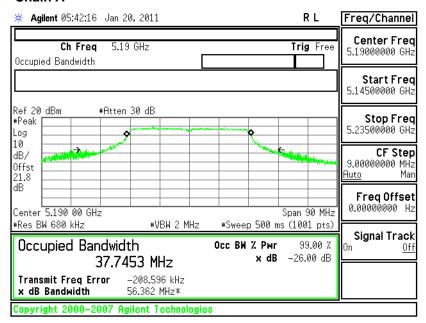
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 120 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 38

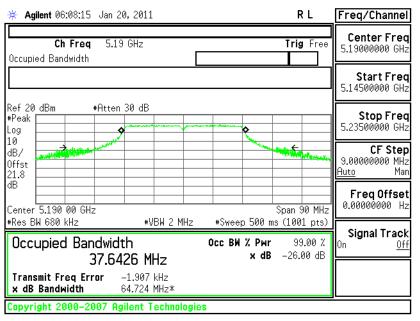
Report No.: FR092308B

- Chain A



26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 38

- Chain B

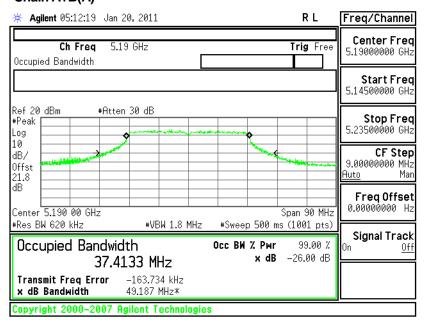


SPORTON INTERNATIONAL INC.

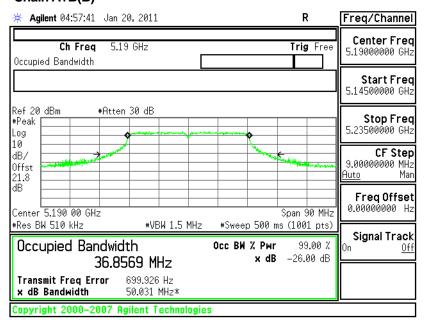
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 121 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 38 - Chain A+B(A)



26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 38 - Chain A+B(B)

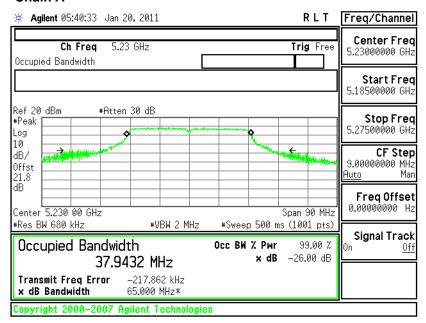


TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 122 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



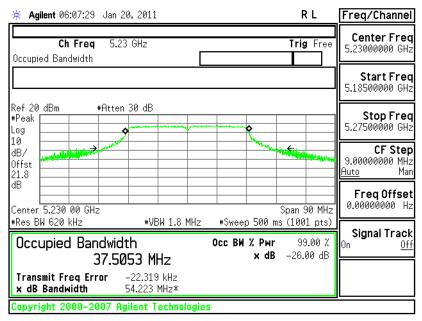
26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 46

- Chain A



26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 46

- Chain B

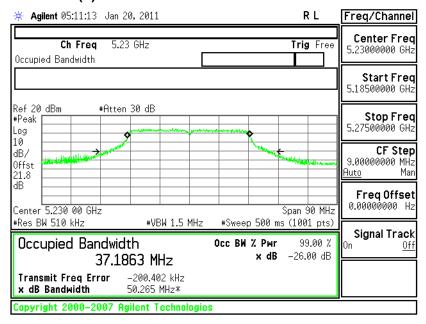


SPORTON INTERNATIONAL INC.

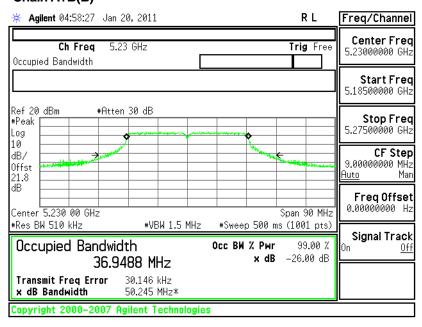
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 123 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 46 - Chain A+B(A)



26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 46 - Chain A+B(B)

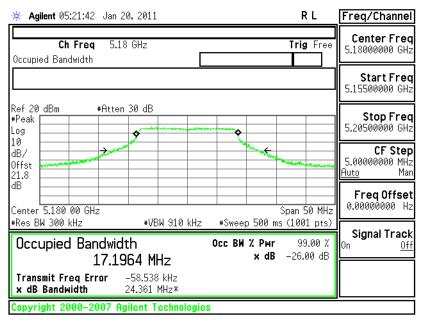


TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 124 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02

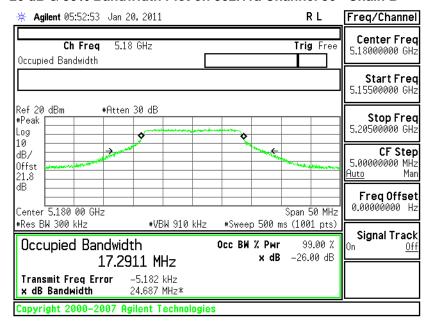


<Antenna 5 for 3.3V>

26 dB & 99% Bandwidth Plot on 802.11a Channel 36 - Chain A



26 dB & 99% Bandwidth Plot on 802.11a Channel 36 - Chain B



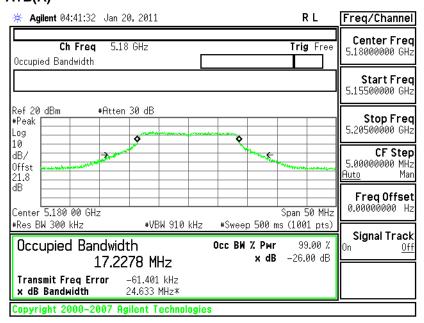
SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6

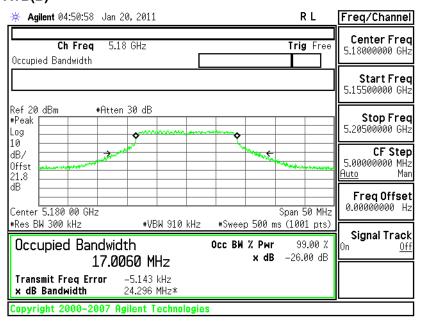
Page Number : 125 of 368 Report Issued Date: Jan. 24, 2011 Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11a Channel 36 - Chain A+B(A)



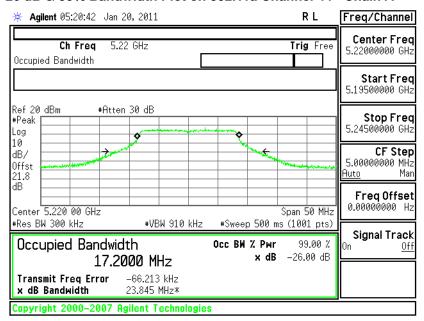
26 dB & 99% Bandwidth Plot on 802.11a Channel 36 - Chain A+B(B)



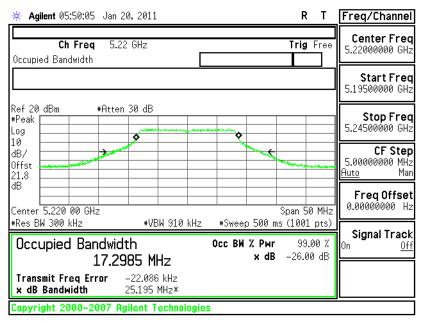
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 126 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11a Channel 44 - Chain A



26 dB & 99% Bandwidth Plot on 802.11a Channel 44 - Chain B

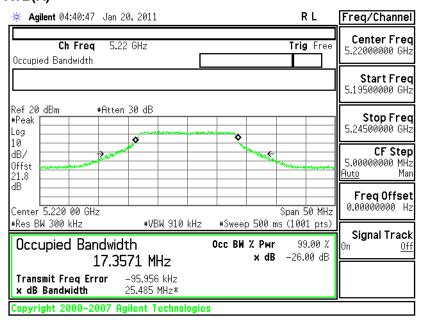


SPORTON INTERNATIONAL INC.

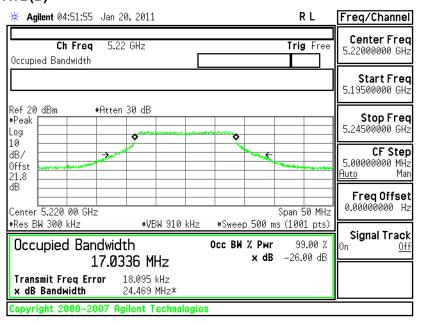
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 127 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11a Channel 44 - Chain A+B(A)

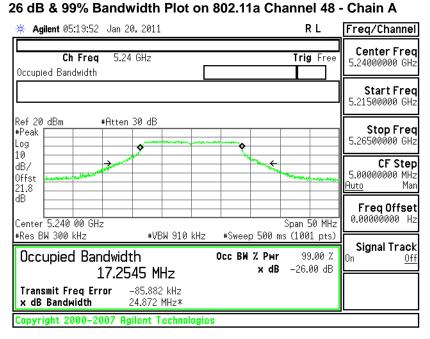


26 dB & 99% Bandwidth Plot on 802.11a Channel 44 - Chain A+B(B)

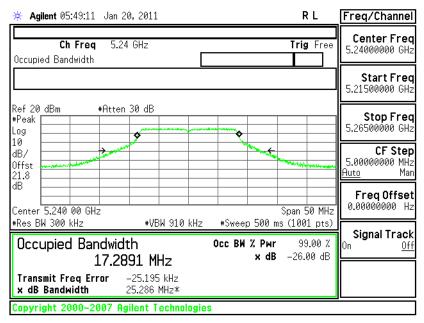


TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 128 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02





26 dB & 99% Bandwidth Plot on 802.11a Channel 48 - Chain B



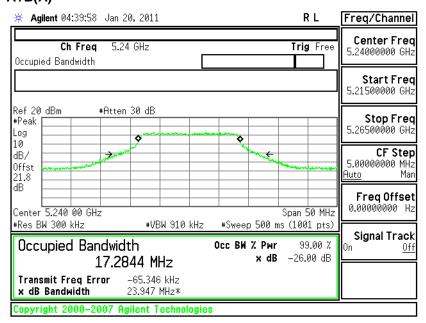
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6

Page Number : 129 of 368 Report Issued Date: Jan. 24, 2011 Report Version : Rev. 02

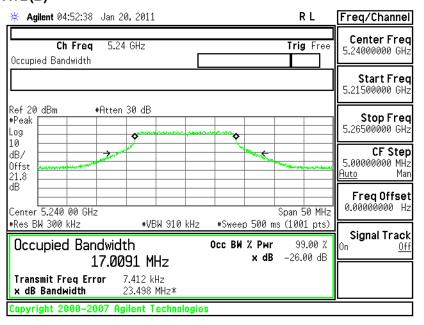


Report No.: FR092308B

26 dB & 99% Bandwidth Plot on 802.11a Channel 48 - Chain A+B(A)



26 dB & 99% Bandwidth Plot on 802.11a Channel 48 - Chain A+B(B)



SPORTON INTERNATIONAL INC.

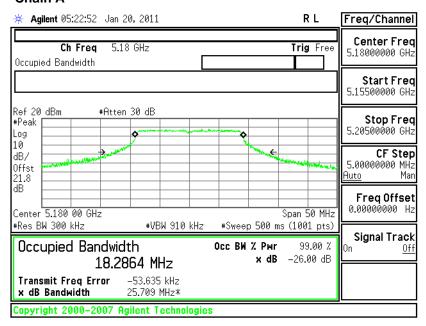
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6

Page Number : 130 of 368 Report Issued Date: Jan. 24, 2011 Report Version : Rev. 02



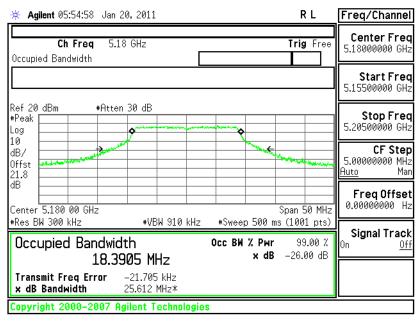
26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 36

- Chain A



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 36

- Chain B



SPORTON INTERNATIONAL INC.

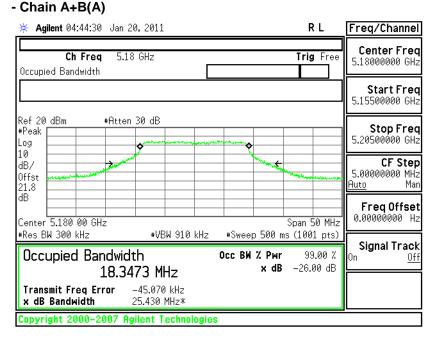
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 131 of 368
Report Issued Date : Jan. 24, 2011

Report No.: FR092308B

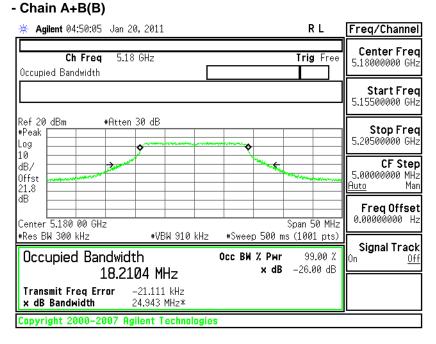
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 36



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 36



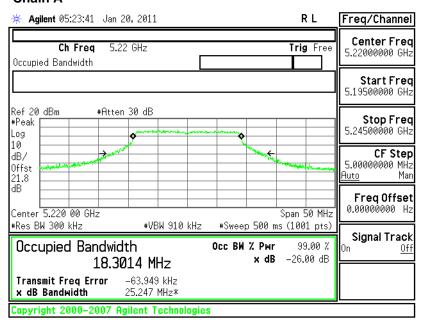
SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 132 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



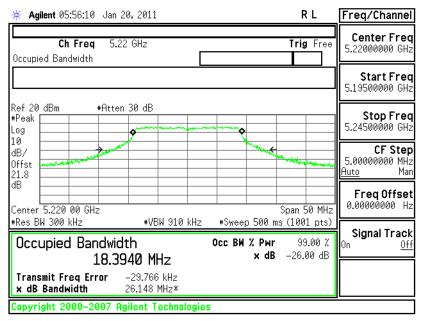
26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 44

- Chain A



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 44

- Chain B



SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6

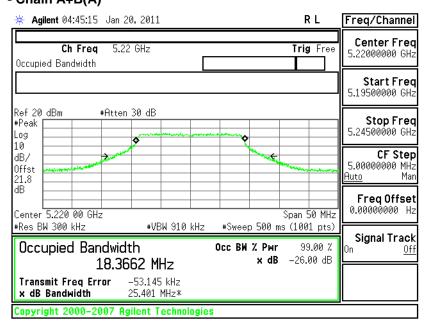
Page Number : 133 of 368 Report Issued Date: Jan. 24, 2011

Report No.: FR092308B

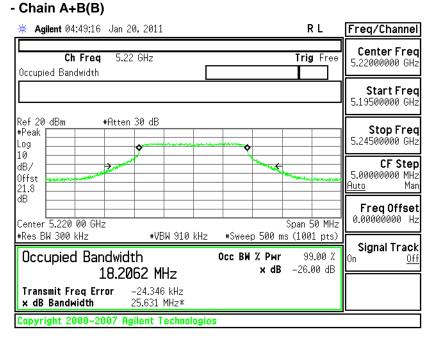
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 44 - Chain A+B(A)



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 44



SPORTON INTERNATIONAL INC.

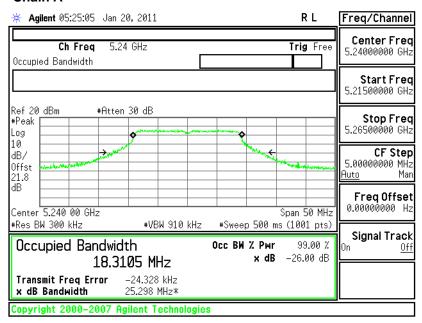
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 134 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Report No.: FR092308B

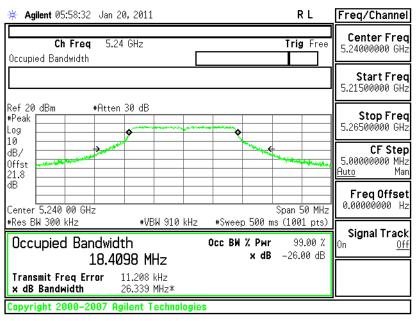
26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 48

- Chain A



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 48

- Chain B



SPORTON INTERNATIONAL INC.

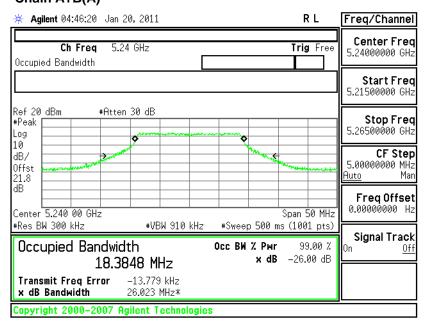
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6

Page Number : 135 of 368 Report Issued Date: Jan. 24, 2011

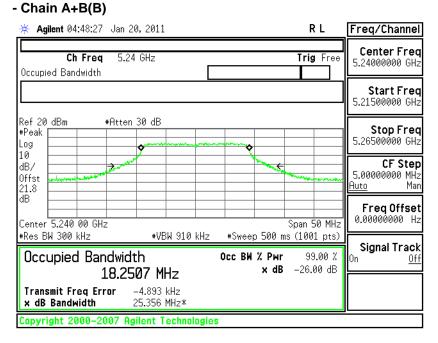
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 48 - Chain A+B(A)



26 dB & 99% Bandwidth Plot on 802.11n (BW 20MHz) Channel 48



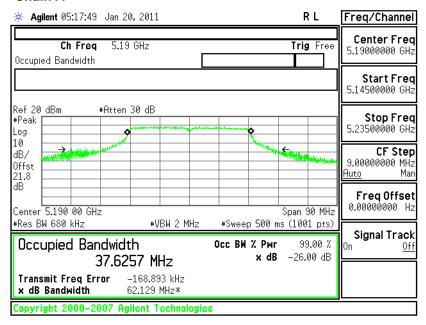
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 136 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Report No.: FR092308B

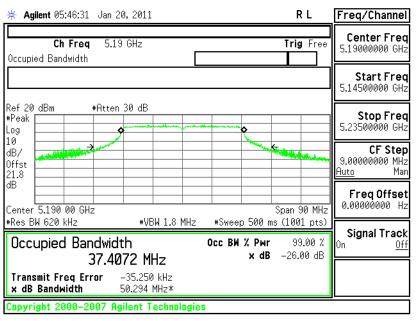
26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 38

- Chain A



26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 38

- Chain B



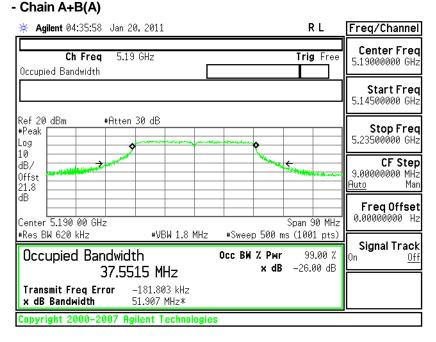
SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6

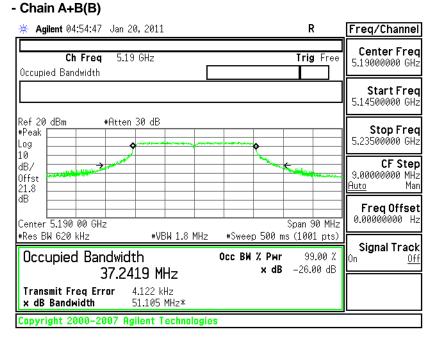
Page Number : 137 of 368 Report Issued Date: Jan. 24, 2011 Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 38



26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 38



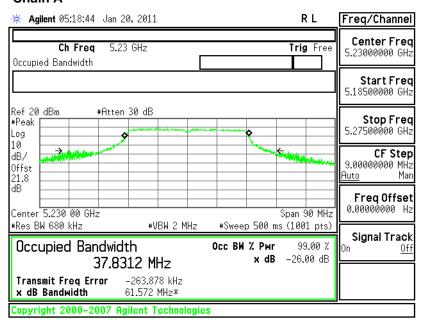
SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 138 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



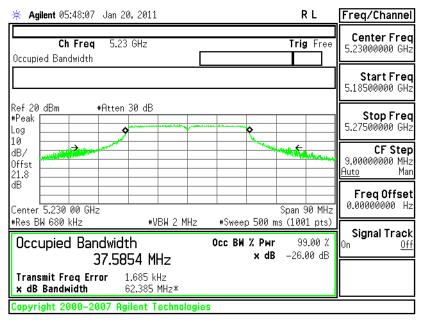
26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 46

- Chain A



26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 46

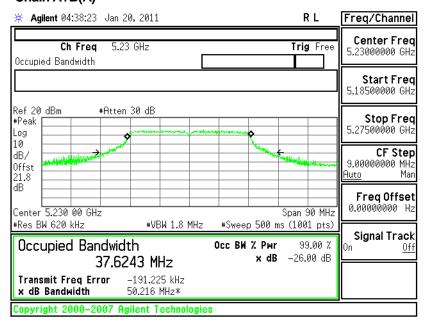
- Chain B



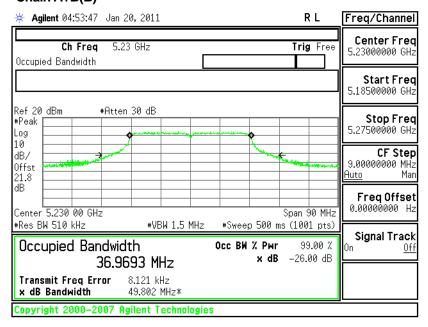
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 139 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 46 - Chain A+B(A)



26 dB & 99% Bandwidth Plot on 802.11n (BW 40MHz) Channel 46 - Chain A+B(B)



TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 140 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

For the band 5.15~5.25 GHz, the maximum conducted output power shall not exceed the lesser of 50 mW (17dBm) or 4 dBm + 10log B, where B is the 26 dB emissions bandwidth in MHz. If transmitting antenna directional gain is greater than 6 dBi, the peak output power and power density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10log B. If transmitting antenna directional gain is greater than 6 dBi, the peak output power and power density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.2.2 Measuring Instruments

See list of measuring instruments of this test report.

3.2.3 Test Procedures

- The testing follows FCC Public Notice DA 02-2138 (Measurement Guidelines of UNII).
 Method #1:
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW ≥ 3 MHz.
 - · Use sample detector mode
 - Use a video trigger with the trigger level set to enable triggering only on full power pulses.

 Transmitter must operate at full control power for entire sweep of every sweep.
 - Trace average 100 traces in power averaging mode.
 - Compute power by integrating the spectrum across the 26 dB EBW of the signal.
- 2. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
- 3. The cable loss (1.8 dB) and attenuator loss (20 dB) are normalized / entered in to the Spectrum Analyzer as an offset as below examples,
 - (1) For SISO mode,

<Antenna 1 for 4.5V>: For 802.11a Channel 36 Chain A, the final power in test report is 15.30 dBm which is the reading of spectrum analyzer with offseted cable loss (1.8 dB), and attenuator loss (20 dB).

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 141 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02

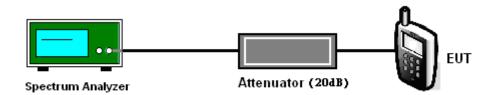


(2) For MIMO mode, each chain was measured individually and calculated with the formula of 10*LOG (10^ (chain A/10) + 10^ (chain B/10)).

Report No.: FR092308B

- <Antenna 1 for 4.5V>: For 802.11a Channel 36 Chain A+B: the total final power is 14.82 dBm from the formula of 10*LOG (10^ (11.27 dBm/10) + 10^ (12.29 dBm/10)).
- (a) Plot: Conducted Output Power on 802.11a Channel 36 Chain A+B (A): 11.27 dBm
- (b) Plot: Conducted Output Power on 802.11a Channel 36 Chain A+B (B): 12.29 dBm. Each plots has already offseted with cable loss (1.8 dB), and attenuator loss (20 dB).
- 4. 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.
- 5. Measure the power and record it.

3.2.4 Test Setup



SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 142 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02

3.2.5 Test Result of Conducted Output Power

<Antenna 1 for 4.5V>

Test Mode :	Mode 1~3	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	6	14.5	15.30	17	Pass
44	5220	6	14.5	14.78	17	Pass
48	5240	6	14.5	14.53	17	Pass

Test Mode :	Mode 1~3	Temperature :	24~26 ℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain B) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	6	14.5	14.73	17	Pass
44	5220	6	14.5	14.05	17	Pass
48	5240	6	14.5	14.20	17	Pass

Test Mode :	Mode 1~3	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channal	Frequency Date		Date Power		11a (Chain a	Max. Limits	Dogg/Egil	
Channel	(MHz)	Rate	Setting	Chain A	Chain B	Total Power	(dBm)	Pass/Fail
36	5180	6	11.5	11.27	12.29	14.82	17	Pass
44	5220	6	11.5	11.09	11.29	14.20	17	Pass
48	5240	6	11.5	11.11	11.62	14.38	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10^ (chain A/10) + 10^ (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 143 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Cha	nnel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
3	6	5180	MCS0	15	15.51	17	Pass
4	4	5220	MCS0	14.5	14.60	17	Pass
4	8	5240	MCS0	14.5	14.50	17	Pass

Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity:	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain B) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	MCS0	15	15.32	17	Pass
44	5220	MCS0	15	14.82	17	Pass
48	5240	MCS0	14.5	14.26	17	Pass

Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel Frequency Da		Date	Power	802.11n (BW 20MHz, Chain A+B) Measured Output Power (dBm)			Max. Limits	Pass/Fail
Channel	(MHz)	Rate	Setting	Chain A	Chain B	Total Power	(dBm)	rass/rall
36	5180	MCS8	11.5	11.22	12.41	14.87	17	Pass
44	5220	MCS8	11.5	11.05	11.33	14.20	17	Pass
48	5240	MCS8	11.5	11.35	11.61	14.29	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10° (chain A/10) + 10° (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 144 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
38	5190	MCS0	14	14.76	17	Pass
46	5230	MCS0	16	16.38	17	Pass

Test Mode :	Mode 7~8	Temperature :	24~26 ℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
38	5190	MCS0	13.5	14.21	17	Pass
46	5230	MCS0	16	16.41	17	Pass

Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channal	Frequency	Date	Power	802.11n (BW 40MHz, Chain A+B) Measured Output Power (dBm)			Max. Limits	Pass/Fail
Channel (M	(MHz)	Rate Setting	Setting	Chain A	Chain B	Total Power	(dBm)	Pass/Faii
38	5190	MCS8	13	13.66	13.79	16.74	17	Pass
46	5230	MCS8	13	13.59	13.10	16.36	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10^ (chain A/10) + 10^ (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 145 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02

<Antenna 1 for 3.3V>

Test Mode :	Mode 1~3	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	6	15.5	15.40	17	Pass
44	5220	6	15	14.54	17	Pass
48	5240	6	15.5	14.79	17	Pass

Test Mode :	Mode 1~3	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain B) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	6	15.5	15.12	17	Pass
44	5220	6	15.5	14.61	17	Pass
48	5240	6	15.5	14.84	17	Pass

Test Mode :	Mode 1~3	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel Frequency Date		Date	Power		11a (Chain a Output Po	Max. Limits	Pass/Fail	
ichanneii ·	(MHz)	Rate	Setting	Chain A	Chain B	Total Power	(dBm)	Pass/Fall
36	5180	6	12	11.27	12.17	14.75	17	Pass
44	5220	6	12.5	11.83	11.89	14.87	17	Pass
48	5240	6	12	11.49	11.57	14.54	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10^ (chain A/10) + 10^ (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 146 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	MCS0	16	15.81	17	Pass
44	5220	MCS0	15	14.50	17	Pass
48	5240	MCS0	15	14.24	17	Pass

Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain B) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	MCS0	16	15.57	17	Pass
44	5220	MCS0	15.5	14.61	17	Pass
48	5240	MCS0	15	14.17	17	Pass

Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency Date		Power	802.11n (B Measured	W 20MHz, (Output Pov	Max. Limits	Dece/Feil	
	(MHz)	Rate	Setting	Chain A	Chain B	Total Power	(dBm)	Pass/Fail
36	5180	MCS8	12	11.30	12.22	14.79	17	Pass
44	5220	MCS8	12.5	11.93	11.85	14.90	17	Pass
48	5240	MCS8	12	11.42	11.52	14.48	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10^ (chain A/10) + 10^ (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 147 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

(Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
	38	5190	MCS0	14	14.24	17	Pass
	46	5230	MCS0	17	16.71	17	Pass

Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
38	5190	MCS0	13.5	13.62	17	Pass
46	5230	MCS0	17	16.92	17	Pass

Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel Frequency Date		Date	Power	•	W 40MHz, 0 Output Po	Max. Limits	Pass/Fail	
Cnannei	(MHz)	Rate	Setting	Chain A	Chain B	Total Power	(dBm)	Pass/Fall
38	5190	MCS8	13.5	13.68	13.46	16.58	17	Pass
46	5230	MCS8	13.5	13.42	12.92	16.19	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10^ (chain A/10) + 10^ (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 148 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02

<Antenna 2 for 4.5V>

Test Mode :	Mode 1~3	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	6	14.5	15.28	17	Pass
44	5220	6	14.5	14.85	17	Pass
48	5240	6	14.5	14.44	17	Pass

Test Mode :	Mode 1~3	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain B) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	6	14.5	14.81	17	Pass
44	5220	6	14.5	14.00	17	Pass
48	5240	6	14.5	14.07	17	Pass

Test Mode :	Mode 1~3	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channal	Frequency	Frequency Date Powe			I1a (Chain . Output Po	Max. Limits	Dece/Feil	
Channel	(MHz)	Rate	Setting	Chain A	Chain B	Total Power	(dBm)	Pass/Fail
36	5180	6	11.5	11.11	12.50	14.87	17	Pass
44	5220	6	11.5	11.11	11.51	14.32	17	Pass
48	5240	6	11.5	11.32	11.79	14.57	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10^ (chain A/10) + 10^ (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 149 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	MCS0	15	15.55	17	Pass
44	5220	MCS0	14.5	14.74	17	Pass
48	5240	MCS0	14.5	14.54	17	Pass

Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	, , , , , , , , , , , , , , , , , , , ,		Pass/Fail
36	5180	MCS0	15	15.27	17	Pass
44	5220	MCS0	15	14.82	17	Pass
48	5240	MCS0	14.5	14.08	17	Pass

Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channal	Frequency Date		Power	802.11n (BW 20MHz, Chain A+B) Measured Output Power (dBm)			Max. Limits	Dogg/Fail
II. nannaii	(MHz)	Rate Setting	Chain A	Chain B	Total Power	(dBm)	Pass/Fail	
36	5180	MCS8	11.5	11.22	12.37	14.84	17	Pass
44	5220	MCS8	11.5	11.07	11.48	14.29	17	Pass
48	5240	MCS8	11.5	11.42	11.81	14.63	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10^ (chain A/10) + 10^ (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 150 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)			802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
38	5190	MCS0	14	14.60	17	Pass
46	5230	MCS0	16	16.45	17	Pass

Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
38	5190	MCS0	13.5	14.09	17	Pass
46	5230	MCS0	16	16.36	17	Pass

Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel Frequency Date		Date	Power	•	W 40MHz, 0 Output Po	•	Max. Limits	Pass/Fail
Cnannei	(MHz)	Rate	Setting	Chain A	Chain B	Total Power	(dBm)	Pass/Faii
38	5190	MCS8	13	13.55	13.81	16.69	17	Pass
46	5230	MCS8	13	13.67	13.18	16.44	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10° (chain A/10) + 10° (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 151 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02

<Antenna 2 for 3.3V>

Test Mode :	Mode 1~3	Temperature :	24~26 ℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	6	15.5	15.51	17	Pass
44	5220	6	15.5	14.95	17	Pass
48	5240	6	15.5	14.81	17	Pass

Test Mode :	Mode 1~3	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain B) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	6	15	14.65	17	Pass
44	5220	6	15	14.18	17	Pass
48	5240	6	15.5	14.85	17	Pass

Test Mode :	Mode 1~3	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channal	Frequency Date		Power	802.11a (Chain A+B) Measured Output Power (dBm)			Max. Limits	Pass/Fail
Channel	(MHz)	Rate	Setting	Chain A	Chain B	Total Power	(dBm)	rass/raii
36	5180	6	12	11.18	12.14	14.70	17	Pass
44	5220	6	12	11.29	11.33	14.32	17	Pass
48	5240	6	12	11.46	11.54	14.51	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10^ (chain A/10) + 10^ (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 152 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	MCS0	15.5	15.65	17	Pass
44	5220	MCS0	15.5	14.76	17	Pass
48	5240	MCS0	15.5	14.78	17	Pass

Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain B) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	MCS0	15.5	15.11	17	Pass
44	5220	MCS0	15.5	14.62	17	Pass
48	5240	MCS0	15.5	14.71	17	Pass

Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channal	Frequency Date		Power	802.11n (B Measured	W 20MHz, (Output Po	Max. Limits	Pass/Fail	
Channel	(MHz)	Rate	Setting	Chain A	Chain B	Total Power	(dBm)	rass/raii
36	5180	MCS8	12	11.21	12.19	14.74	17	Pass
44	5220	MCS8	12	11.25	11.35	14.31	17	Pass
48	5240	MCS8	12	11.39	11.51	14.46	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10^ (chain A/10) + 10^ (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 153 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

CI	hannel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
	38	5190	MCS0	14.5	14.84	17	Pass
	46	5230	MCS0	17	16.86	17	Pass

Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
38	5190	MCS0	14	13.91	17	Pass
46	5230	MCS0	16.5	16.30	17	Pass

Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel Frequency Date		Power	•	W 40MHz, 0 Output Po	•	Max. Limits	Pass/Fail	
Cnannei	(MHz)	Rate	Setting	Chain A	Chain B	Total Power	(dBm)	Pass/Faii
38	5190	MCS8	13.5	13.63	13.43	16.54	17	Pass
46	5230	MCS8	14	13.80	13.26	16.55	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10° (chain A/10) + 10° (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 154 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02

<Antenna 3 for 4.5V>

Test Mode :	Mode 1~3	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	6	14.5	15.39	17	Pass
44	5220	6	14.5	14.63	17	Pass
48	5240	6	14.5	14.44	17	Pass

Test Mode :	Mode 1~3	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain B) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	6	14.5	14.85	17	Pass
44	5220	6	14.5	14.00	17	Pass
48	5240	6	14.5	14.16	17	Pass

Test Mode :	Mode 1~3	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency Date Powe		Power		11a (Chain a Output Po	Max. Limits	Pass/Fail	
	(MHz)	Rate	Setting	Chain A	Chain B	Total Power	(dBm)	rass/rall
36	5180	6	11.5	11.18	12.45	14.87	17	Pass
44	5220	6	11.5	11.11	11.53	14.34	17	Pass
48	5240	6	11.5	11.28	11.68	14.49	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10^ (chain A/10) + 10^ (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 155 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	MCS0	15	15.57	17	Pass
44	5220	MCS0	14.5	14.70	17	Pass
48	5240	MCS0	14.5	14.46	17	Pass

Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	Power 802.11n (BW 20MHz, Chain B) Setting Measured Output Power (dBm)		Pass/Fail
36	5180	MCS0	15	15.12	17	Pass
44	5220	MCS0	15	14.68	17	Pass
48	5240	MCS0	14.5	14.11	17	Pass

Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channal	Frequency Date		Power	802.11n (BW 20MHz, Chain A+B) Measured Output Power (dBm)			Max. Limits	Dece/Feil
Channel	(MHz)	Rate	Setting	Chain A	Chain B	Total Power	(dBm)	Pass/Fail
36	5180	MCS8	11.5	11.31	12.48	14.94	17	Pass
44	5220	MCS8	11.5	11.13	11.50	14.33	17	Pass
48	5240	MCS8	11.5	11.40	11.68	14.55	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10^ (chain A/10) + 10^ (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 156 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)		Power Setting	802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
38	5190	MCS0	14	14.77	17	Pass
46	5230	MCS0	16	16.32	17	Pass

Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
38	5190	MCS0	13.5	14.11	17	Pass
46	5230	MCS0	16	16.17	17	Pass

Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channal	Shannel Frequency Date		Power			Max. Limits	Pass/Fail	
Channel	(MHz)	Rate	Setting	Chain A	Chain B	Total Power	(dBm)	Pass/Fall
38	5190	MCS8	11	11.03	11.95	14.52	17	Pass
46	5230	MCS8	13	13.52	13.18	16.36	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10° (chain A/10) + 10° (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 157 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02

<Antenna 3 for 3.3V>

Test Mode :	Mode 1~3	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

CI	hannel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
	36	5180	6	15.5	15.54	17	Pass
	44	5220	6	15	14.49	17	Pass
	48	5240	6	15	14.26	17	Pass

Test Mode :	Mode 1~3	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain B) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	6	14.5	14.14	17	Pass
44	5220	6	15.5	14.61	17	Pass
48	5240	6	15	14.24	17	Pass

Test Mode :	Mode 1~3	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency Date		Power		802.11a (Chain A+B) Measured Output Power (dBm)			Pass/Fail
Channel	(MHz)	Rate	Setting	Chain A	Chain B	Total Power	(dBm)	Pass/Faii
36	5180	6	12	11.32	12.31	14.85	17	Pass
44	5220	6	12	11.35	11.34	14.36	17	Pass
48	5240	6	12	11.35	11.46	14.42	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10^ (chain A/10) + 10^ (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 158 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	MCS0	15.5	15.57	17	Pass
44	5220	MCS0	15	14.38	17	Pass
48	5240	MCS0	14.5	13.74	17	Pass

Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

(Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain B) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
	36	5180	MCS0	15.5	14.95	17	Pass
	44	5220	MCS0	15.5	14.61	17	Pass
	48	5240	MCS0	15	14.19	17	Pass

Test Mode :	Mode 4~6	Temperature :	24~26 ℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency	Date	Power	802.11n (BW 20MHz, Chain A+B) Measured Output Power (dBm)			Max. Limits	Pass/Fail
	(MHz)	Rate	Setting	Chain A	Chain B	Total Power	(dBm)	Pass/Faii
36	5180	MCS8	11.5	10.72	11.85	14.33	17	Pass
44	5220	MCS8	12	11.19	11.28	14.25	17	Pass
48	5240	MCS8	11.5	10.65	10.72	13.70	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10^ (chain A/10) + 10^ (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 159 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
38	5190	MCS0	14	14.12	17	Pass
46	5230	MCS0	16.5	16.07	17	Pass

Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
38	5190	MCS0	13.5	13.52	17	Pass
46	5230	MCS0	17	16.72	17	Pass

Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel Frequency		Date	Power	802.11n (BW 40MHz, Chain A+B) Measured Output Power (dBm)			Max. Limits	Pass/Fail
Channei	(MHz)	Rate	Setting	Chain A	Chain B	Total Power	(dBm)	Pass/Fall
38	5190	MCS8	13.5	13.61	13.61	16.62	17	Pass
46	5230	MCS8	13.5	13.55	12.91	16.25	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10° (chain A/10) + 10° (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 160 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02

<Antenna 4 for 3.3V>

Test Mode :	Mode 1~3	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	6	15.5	15.51	17	Pass
44	5220	6	15	14.49	17	Pass
48	5240	6	15.5	14.79	17	Pass

Test Mode :	Mode 1~3	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain B) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	6	15.5	15.16	17	Pass
44	5220	6	15	14.15	17	Pass
48	5240	6	15.5	15.09	17	Pass

Test Mode :	Mode 1~3	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

I(:hannall	Frequency Date (MHz) Rate	Power	802.11a (Chain A+B) Measured Output Power (dBm)			Max. Limits	Pass/Fail	
		Rate	Setting	Chain A	Chain B	Total Power	(dBm)	Pass/Faii
36	5180	6	12.5	11.92	12.63	15.3	17	Pass
44	5220	6	12.5	12.03	11.96	15.01	17	Pass
48	5240	6	12.5	11.93	12.01	14.98	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10^ (chain A/10) + 10^ (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 161 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	, , , , , , , , , , , , , , , , , , , ,		Pass/Fail
36	5180	MCS0	17	16.85	17	Pass
44	5220	MCS0	16	15.54	17	Pass
48	5240	MCS0	15	14.41	17	Pass

Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting			Pass/Fail
36	5180	MCS0	16.5	16.16	17	Pass
44	5220	MCS0	16.5	15.98	17	Pass
48	5240	MCS0	16.5	16.05	17	Pass

Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channal	Frequency Date		Power	802.11n (BW 20MHz, Chain A+B) Measured Output Power (dBm)			Max. Limits	Dece/Esil
Channel (MHz)	(MHz)	Rate	Setting	Chain A	Chain B	Total Power	(dBm)	Pass/Fail
36	5180	MCS8	14	13.81	13.77	16.80	17	Pass
44	5220	MCS8	14	13.68	13.06	16.39	17	Pass
48	5240	MCS8	14	13.25	13.18	16.23	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG ($10^$ (chain A/10) + $10^$ (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 162 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channe	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
38	5190	MCS0	16.5	16.68	17	Pass
46	5230	MCS0	17	16.69	17	Pass

Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
38	5190	MCS0	17	16.94	17	Pass
46	5230	MCS0	17	16.77	17	Pass

Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel Frequency Date		Power	•	W 40MHz, 0 Output Po	•	Max. Limits	Pass/Fail	
Cnannei	(MHz)	Rate	Setting	Chain A	Chain B	Total Power	(dBm)	Pass/Faii
38	5190	MCS8	13.5	13.66	13.55	16.62	17	Pass
46	5230	MCS8	14	13.90	13.39	16.66	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10° (chain A/10) + 10° (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 163 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02

<Antenna 5 for 3.3V>

Test Mode :	Mode 1~3	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	6	15.5	15.33	17	Pass
44	5220	6	15	14.45	17	Pass
48	5240	6	15.5	14.79	17	Pass

Test Mode :	Mode 1~3	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11a (Chain B) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	6	15.5	15.08	17	Pass
44	5220	6	15	14.06	17	Pass
48	5240	6	15.5	14.94	17	Pass

Test Mode :	Mode 1~3	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel Frequency		Date	Power	802.11a (Chain A+B) Measured Output Power (dBm)			Max. Limits	Pass/Fail
icnanneii ·	(MHz)	z) Rate	Setting	Chain A	Chain B	Total Power	(dBm)	Pass/Faii
36	5180	6	12.5	12.10	12.59	15.36	17	Pass
44	5220	6	12.5	11.99	11.83	14.92	17	Pass
48	5240	6	12.5	11.88	11.92	14.91	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10^ (chain A/10) + 10^ (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 164 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



FCC RF Test Report

Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	MCS0	17	16.67	17	Pass
44	5220	MCS0	16	15.48	17	Pass
48	5240	MCS0	16	15.11	17	Pass

Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 20MHz, Chain B) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
36	5180	MCS0	16.5	16.16	17	Pass
44	5220	MCS0	16.5	15.79	17	Pass
48	5240	MCS0	16.5	16.06	17	Pass

Test Mode :	Mode 4~6	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channal	Frequency	Frequency Date			802.11n (BW 20MHz, Chain A+B) Measured Output Power (dBm)			Max. Limits	Dogg/Fail
it nanneii -	(MHz)	Rate	Setting	Chain A	Chain B	Total Power	(dBm)	Pass/Fail	
36	5180	MCS8	14	14.00	13.70	16.86	17	Pass	
44	5220	MCS8	14	13.61	13.02	16.34	17	Pass	
48	5240	MCS8	14	13.32	13.15	16.25	17	Pass	

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10^ (chain A/10) + 10^ (chain B/10)).

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 165 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



FCC RF Test Report

Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)			802.11n (BW 40MHz, Chain A) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
38	5190	MCS0	16.5	16.64	17	Pass
46	5230	MCS0	17	16.78	17	Pass

Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel	Frequency (MHz)	Date Rate	Power Setting	802.11n (BW 40MHz, Chain B) Measured Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
38	5190	MCS0	17	16.83	17	Pass
46	5230	MCS0	17	16.71	17	Pass

Test Mode :	Mode 7~8	Temperature :	24~26℃
Test Engineer :	Ken Hsu	Relative Humidity :	52~55%

Channel Frequency Date		Date	Power	•	W 40MHz, 0 Output Po	•	Max. Limits	Pass/Fail
Cnannei	(MHz)	Rate	Setting	Chain A	Chain B	Total Power	(dBm)	Pass/Fall
38	5190	MCS8	13.5	13.69	13.59	16.65	17	Pass
46	5230	MCS8	14	13.99	13.27	16.66	17	Pass

Note: Each chain was measured individually and calculated with the formula of 10*LOG (10^ (chain A/10) + 10^ (chain B/10)).

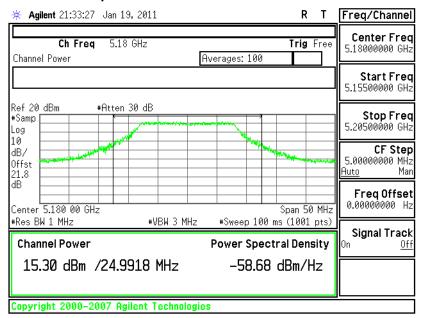
SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 166 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02

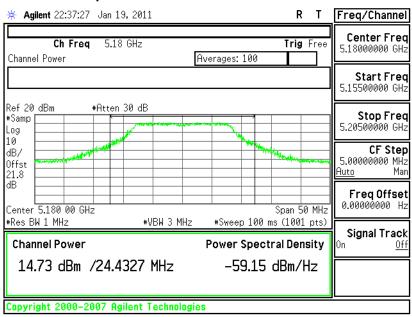


<Antenna 1 for 4.5V>

Conducted Output Power on 802.11a Channel 36 - Chain A



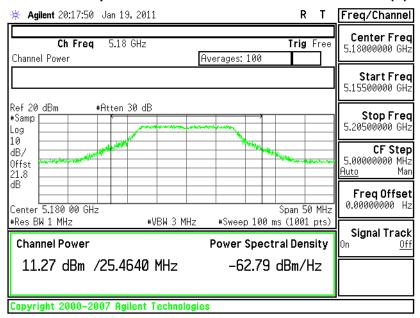
Conducted Output Power on 802.11a Channel 36 - Chain B



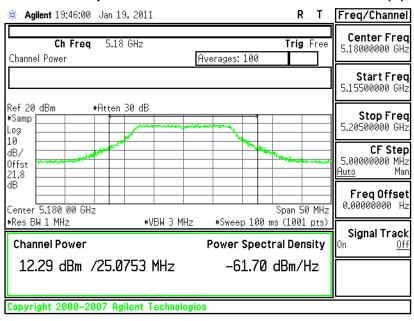
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 167 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Conducted Output Power on 802.11a Channel 36 - Chain A+B(A)



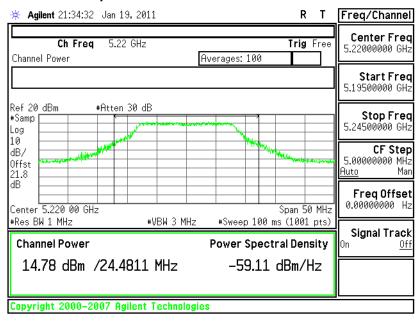
Conducted Output Power on 802.11a Channel 36 - Chain A+B(B)



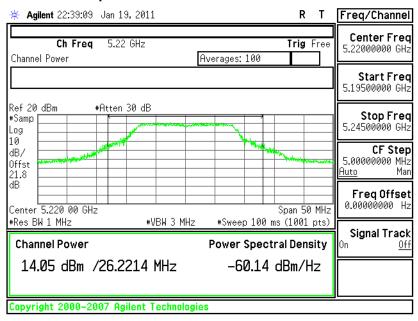
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 168 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Conducted Output Power on 802.11a Channel 44 - Chain A



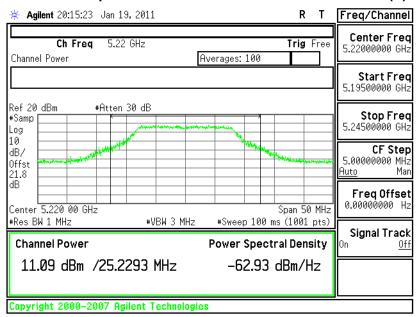
Conducted Output Power on 802.11a Channel 44 - Chain B



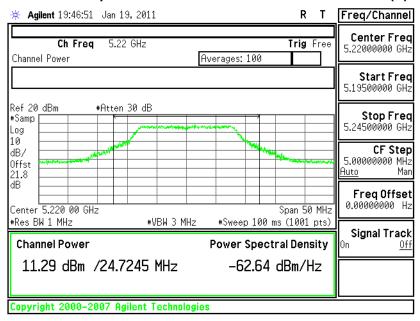
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 169 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Conducted Output Power on 802.11a Channel 44 - Chain A+B(A)



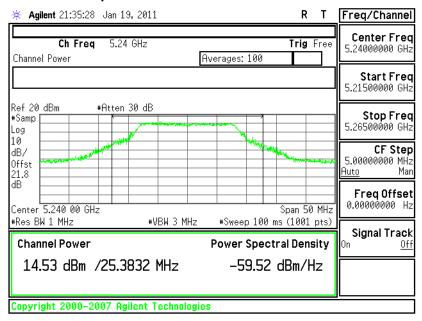
Conducted Output Power on 802.11a Channel 44 - Chain A+B(B)



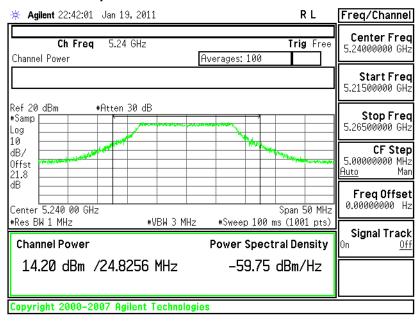
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 170 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Conducted Output Power on 802.11a Channel 48 - Chain A



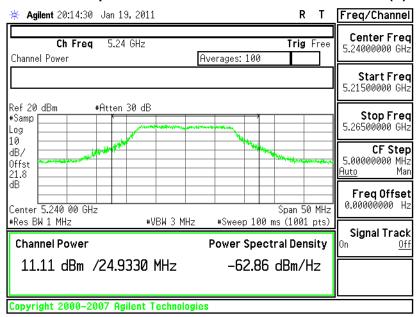
Conducted Output Power on 802.11a Channel 48 - Chain B



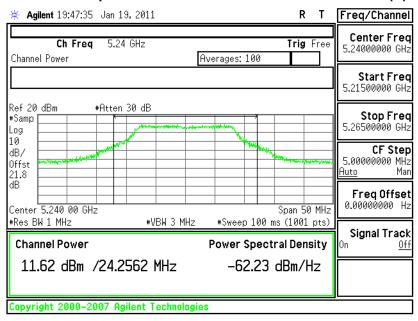
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 171 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Conducted Output Power on 802.11a Channel 48 - Chain A+B(A)



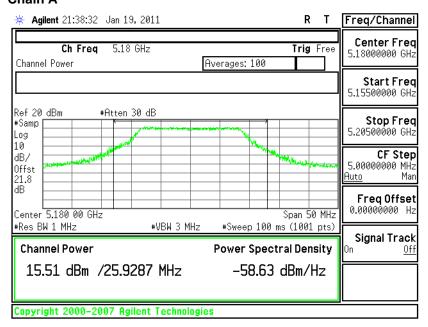
Conducted Output Power on 802.11a Channel 48 - Chain A+B(B)



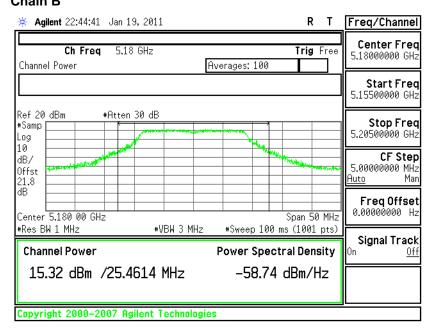
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 172 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Conducted Output Power on 802.11n (BW 20MHz) Channel 36 - Chain A



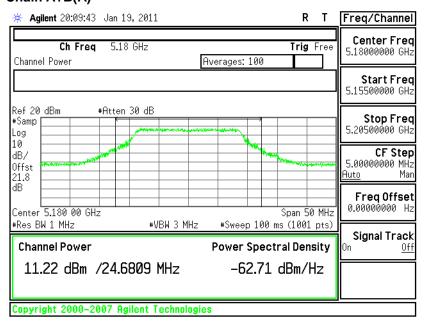
Conducted Output Power on 802.11n (BW 20MHz) Channel 36 - Chain B



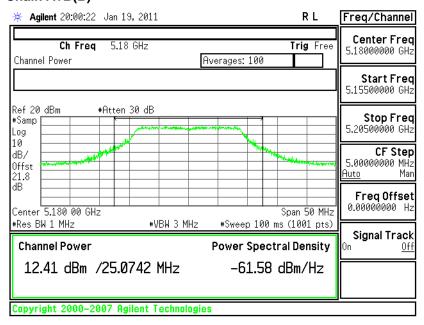
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 173 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Conducted Output Power on 802.11n (BW 20MHz) Channel 36 - Chain A+B(A)



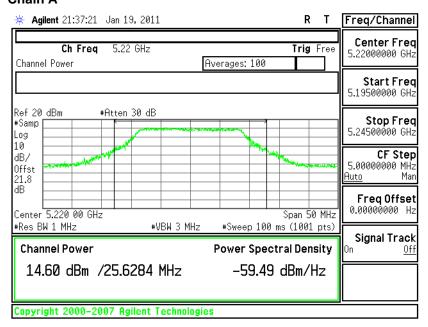
Conducted Output Power on 802.11n (BW 20MHz) Channel 36 - Chain A+B(B)



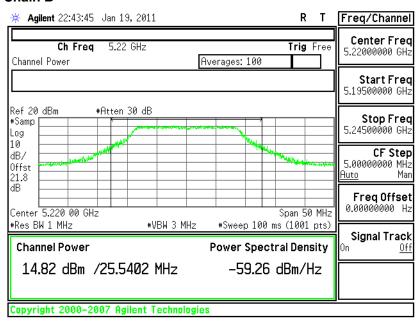
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 174 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Conducted Output Power on 802.11n (BW 20MHz) Channel 44 - Chain A



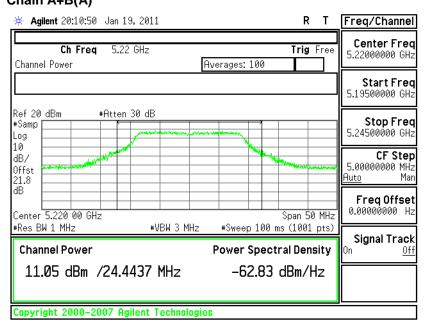
Conducted Output Power on 802.11n (BW 20MHz) Channel 44 - Chain B



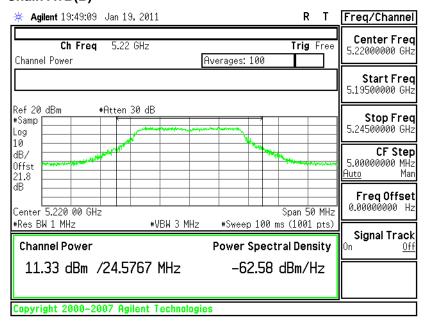
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 175 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Conducted Output Power on 802.11n (BW 20MHz) Channel 44 - Chain A+B(A)



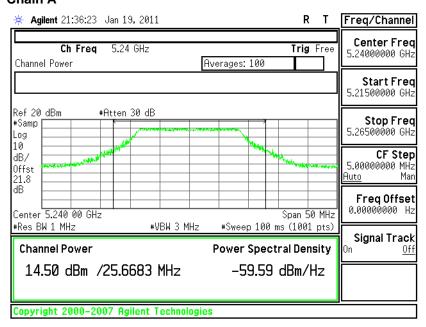
Conducted Output Power on 802.11n (BW 20MHz) Channel 44 - Chain A+B(B)



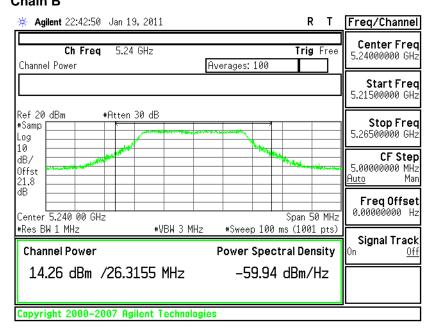
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 176 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Conducted Output Power on 802.11n (BW 20MHz) Channel 48 - Chain A



Conducted Output Power on 802.11n (BW 20MHz) Channel 48 - Chain B

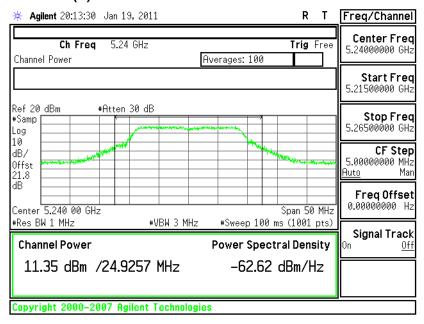


SPORTON INTERNATIONAL INC.

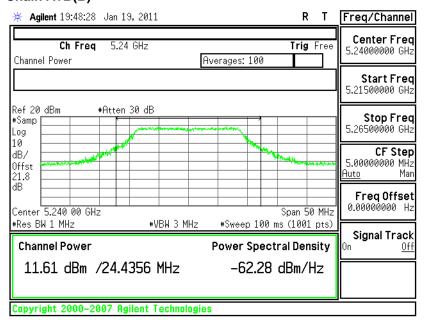
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 177 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Conducted Output Power on 802.11n (BW 20MHz) Channel 48 - Chain A+B(A)



Conducted Output Power on 802.11n (BW 20MHz) Channel 48 - Chain A+B(B)

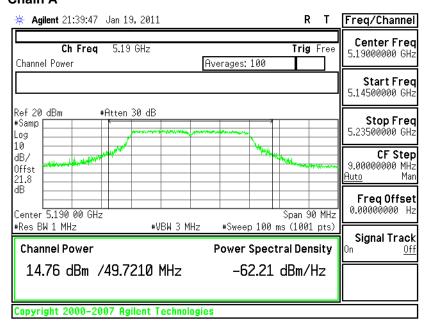


SPORTON INTERNATIONAL INC.

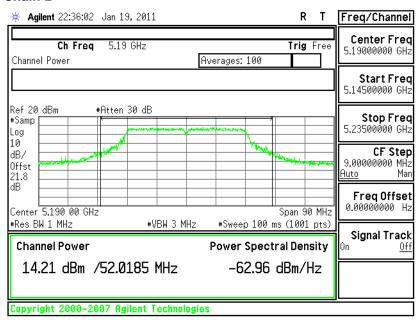
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 178 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Conducted Output Power on 802.11n (BW 40MHz) Channel 38 - Chain A



Conducted Output Power on 802.11n (BW 40MHz) Channel 38 - Chain B

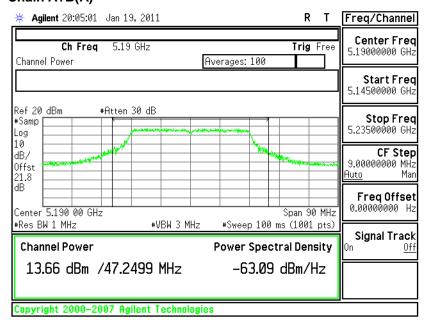


SPORTON INTERNATIONAL INC.

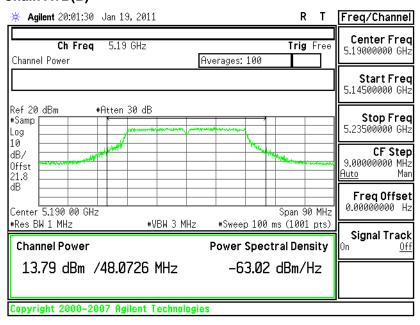
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 179 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Conducted Output Power on 802.11n (BW 40MHz) Channel 38 - Chain A+B(A)



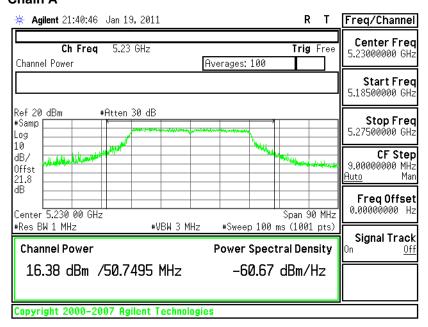
Conducted Output Power on 802.11n (BW 40MHz) Channel 38 - Chain A+B(B)



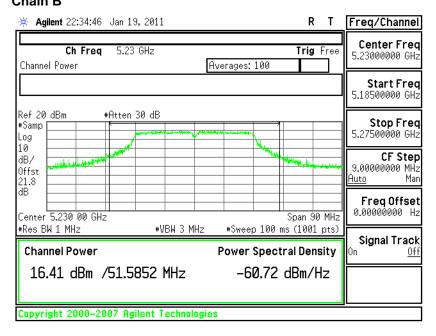
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 180 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Conducted Output Power on 802.11n (BW 40MHz) Channel 46 - Chain A



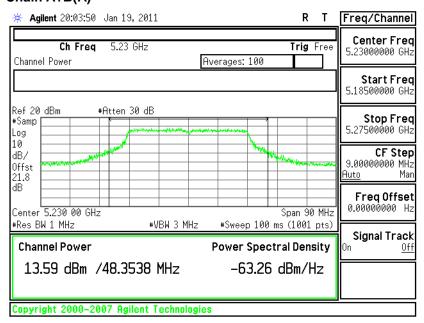
Conducted Output Power on 802.11n (BW 40MHz) Channel 46 - Chain B



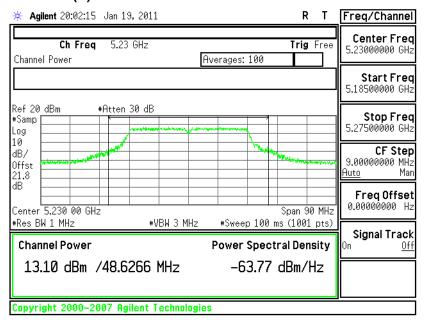
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 181 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Conducted Output Power on 802.11n (BW 40MHz) Channel 46 - Chain A+B(A)



Conducted Output Power on 802.11n (BW 40MHz) Channel 46 - Chain A+B(B)

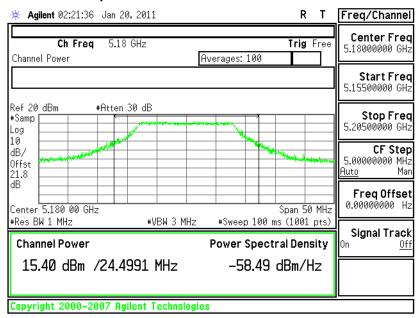


TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 182 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02

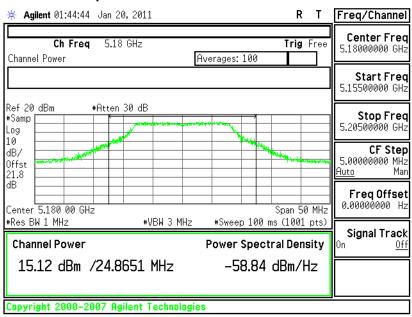


<Antenna 1 for 3.3V>

Conducted Output Power on 802.11a Channel 36 - Chain A



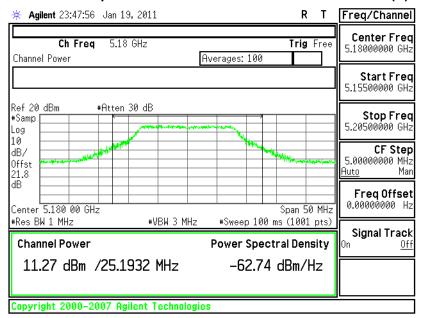
Conducted Output Power on 802.11a Channel 36 - Chain B



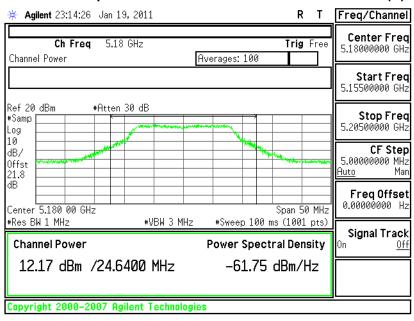
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 183 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02



Conducted Output Power on 802.11a Channel 36 - Chain A+B(A)



Conducted Output Power on 802.11a Channel 36 - Chain A+B(B)



TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: UZ7AP6 Page Number : 184 of 368
Report Issued Date : Jan. 24, 2011
Report Version : Rev. 02