

Site no. : 3# Chamber Data no. : 22

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C AV

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz

Test Mode : IEEE802.11b CH11 2462MHz Tx

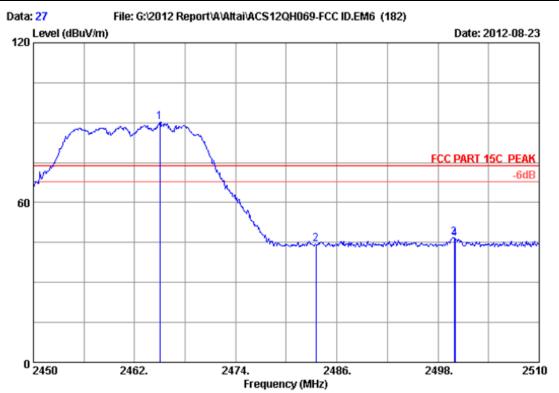
M/N : WA8011N

No.	Freq.	Factor (dB/m)	Loss (dB)	factor (dBuV)	Reading (dBuV/m)	Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
2	2463.680 2483.500 2500.000	28.05 28.08 28.10	6.12 6.15 6.18	34.45 34.45 34.45	70.80 32.22 36.89	70.52 32.00 36.72	54.00 54.00 54.00		Average Average Average

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor





Site no. : 3# Chamber Data no. : 27
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz

Test Mode : IEEE802.11g CH11 2462MHz Tx

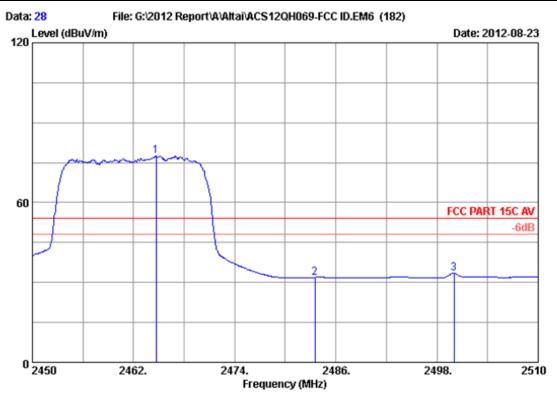
M/N : WA8011N

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
2	2465.000	28.05	6.12	34.45	90.49	90.21	74.00	-16.21	Peak
	2483.500	28.08	6.15	34.45	44.63	44.41	74.00	29.59	Peak
	2499.920	28.10	6.18	34.45	47.07	46.90	74.00	27.10	Peak
	2500.000	28.10	6.18	34.45	46.73	46.56	74.00	27.44	Peak

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor





Site no. : 3# Chamber Data no. : 28
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C AV

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz

Test Mode : IEEE802.11g CH11 2462MHz Tx

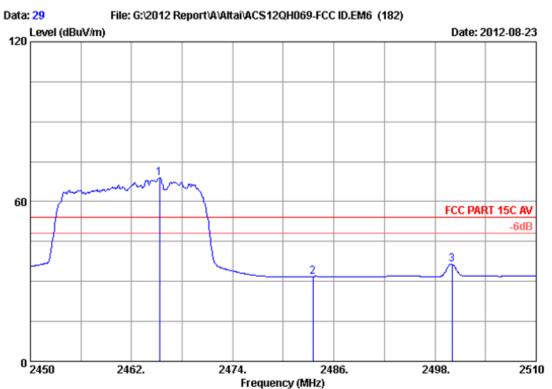
M/N : WASO11N

		Ant.	Cable	AMP		Emission			
No.	Freq. (MHz)	Factor (dB/m)	Loss (dB)	factor (dBuV)	Reading (dBuV/m)	Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	2464.700	28.05	6.12	34.45	77.95	77.67	54.00	-23.67	Average
2	2483.500	28.08	6.15	34.45	32.09	31.87	54.00	22.13	Average
3	2500.000	28.10	6.18	34.45	33.55	33.38	54.00	20.62	Average

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor





Site no. : 3# Chamber Data no. : 29

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C AV

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz

Test Mode : IEEE802.11g CH11 2462MHz Tx

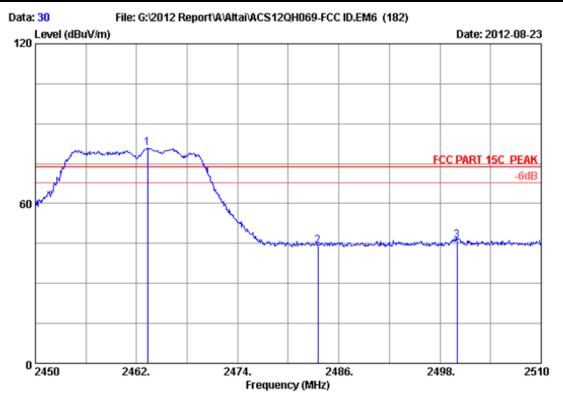
M/N : WA8011N

		Ant.	Cable	AMP		Emission			
No.	Freq. (MHz)	Factor (dB/m)	Loss (dB)	factor (dBuV)	Reading (dBuV/m)	Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	2465.300	28.05	6.12	34.45	69.13	68.85	54.00	-14.85	Average
2	2483.500	28.08	6.15	34.45	32.12	31.90	54.00	22.10	Average
3	2500.000	28.10	6.18	34.45	36.66	36.49	54.00	17.51	Average

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor





Site no. : 3# Chamber Data no. : 30

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz

Test Mode : IEEE802.11g CH11 2462MHz Tx

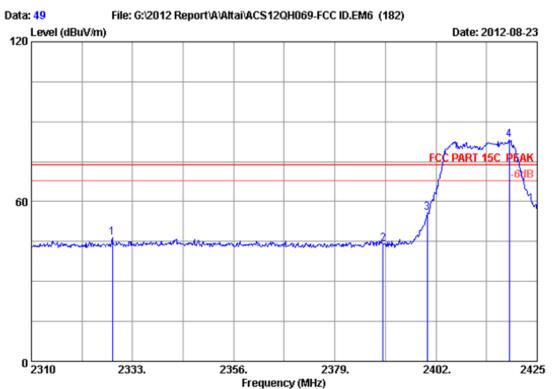
M/N : WA8011N

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
2	2463.320	28.05	6.12	34.45	81.09	80.81	74.00	-6.81	Peak
	2483.500	28.08	6.15	34.45	44.48	44.26	74.00	29.74	Peak
	2500.000	28.10	6.18	34.45	46.34	46.17	74.00	27.83	Peak

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor





Site no. : 3# Chamber Data no. : 49

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz

Test Mode : IEEE802.11g CH1 2412MHz Tx

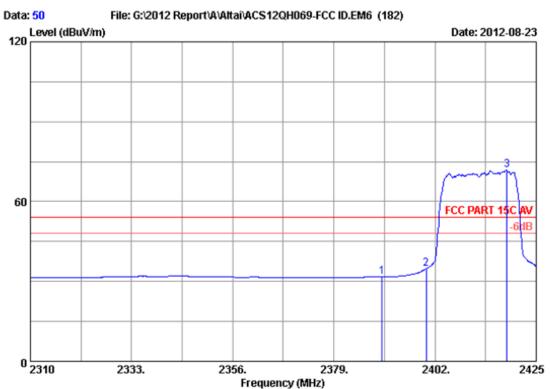
M/N : WASO11N

No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
2	2328.400 2390.000 2400.000 2418.675	27.86 27.96 27.96 27.98	5.89 6.01 6.01 6.03	34.43 34.44 34.44 34.44	47.27 44.66 56.31 83.50	46.59 44.19 55.84 83.07	74.00 74.00 74.00 74.00	27.41 29.81 18.16 -9.07	Peak Peak Peak Peak Peak

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor





Site no. : 3# Chamber Data no. : 50

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C AV

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz

Test Mode : IEEE802.11g CH1 2412MHz Tx

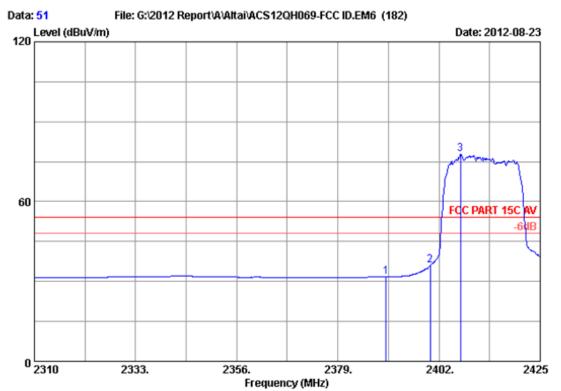
M/N : WASO11N

		Ant.	Cable	AMP		Emission			
No.	Freq. (MHz)	Factor (dB/m)	Loss (dB)	factor (dBuV)	Reading (dBuV/m)	Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	2390.000	27.96	6.01	34.44	32.24	31.77	54.00	22.23	Average
2	2400.000	27.96	6.01	34.44	35.39	34.92	54.00	19.08	Average
3	2418.330	27.98	6.03	34.44	72.42	71.99	54.00	-17.99	Average

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor





Site no. : 3# Chamber Data no. : 51
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C AV

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz

Test Mode : IEEE802.11g CH1 2412MHz Tx

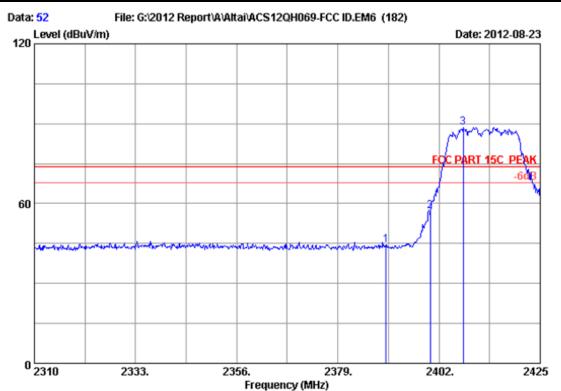
M/N : WAS011N

		Ant.	Cable	AMP		Emission			
No.	Freq. (MHz)	Factor (dB/m)	Loss (dB)	factor (dBuV)	Reading (dBuV/m)	Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	2390.000	27.96	6.01	34.44	32.22	31.75	54.00	22.25	Average
2	2400.000	27.96	6.01	34.44	36.50	36.03	54.00	17.97	Average
3	2406.945	27.98	6.03	34.44	78.15	77.72	54.00	-23.72	Average

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor





Site no. : 3# Chamber Data no. : 52
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz

Test Mode : IEEE802.11g CH1 2412MHz Tx

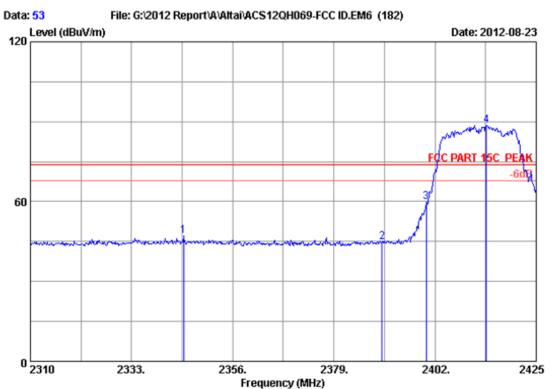
M/N : WASO11N

No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
2	2390.000 2400.000 2407.520	27.96 27.96 27.98	6.01 6.01 6.03	34.44 34.44 34.44	44.80 57.53 88.97	44.33 57.06 88.54	74.00 74.00 74.00	29.67 16.94 -14.54	Peak

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor





Site no. : 3# Chamber Data no. : 53
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz Test Mode : IEEE802.11nHT20 CH1 2412MHz Tx

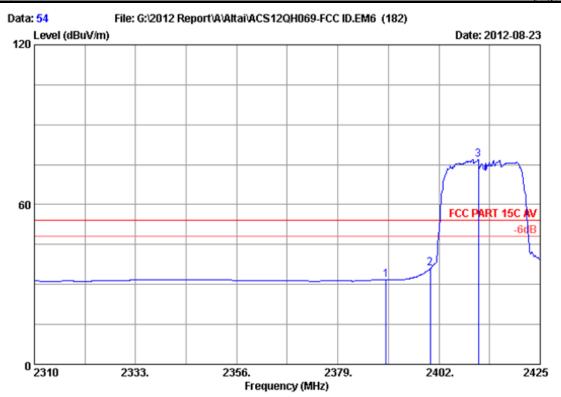
M/N : WA8011N

	Ant.	Cable	AMP		Emission			
Freq. (MHz)	Factor (dB/m)	Loss (dB)	factor (dBuV)	Reading (dBuV/m)	Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
2344.845	27.88	5.92	34.44	47.67	47.03	74.00	26.97	Peak
2390.000	27.96	6.01	34.44	45.28	44.81	74.00	29.19	Peak
2400.000	27.96	6.01	34.44	60.19	59.72	74.00	14.28	Peak
2413.730	27.98	6.03	34.44	88.97	88.54	74.00	-14.54	Peak
	(MHz) 2344.845 2390.000 2400.000	(MHz) (dB/m)  2344.845 27.88  2390.000 27.96  2400.000 27.96	Freq. Factor Loss (MHz) (dB/m) (dB) 2344.845 27.88 5.92 2390.000 27.96 6.01 2400.000 27.96 6.01	Freq. Factor Loss factor (MHz) (dB/m) (dB) (dBuV)  2344.845 27.88 5.92 34.44 2390.000 27.96 6.01 34.44 2400.000 27.96 6.01 34.44	Freq. Factor Loss factor Reading (MHz) (dB/m) (dB) (dBuV) (dBuV/m)  2344.845 27.88 5.92 34.44 47.67 2390.000 27.96 6.01 34.44 45.28 2400.000 27.96 6.01 34.44 60.19	Freq. Factor Loss factor Reading Level (MHz) (dB/m) (dB) (dBuV) (dBuV/m) (dBuV/m)  2344.845 27.88 5.92 34.44 47.67 47.03  2390.000 27.96 6.01 34.44 45.28 44.81  2400.000 27.96 6.01 34.44 60.19 59.72	Freq. Factor Loss factor Reading Level Limits (MHz) (dB/m) (dB) (dBuV) (dBuV/m) (dBuV/m) (dB) (dBuV/m) (dB) 2344.845 27.88 5.92 34.44 47.67 47.03 74.00 2390.000 27.96 6.01 34.44 45.28 44.81 74.00 2400.000 27.96 6.01 34.44 60.19 59.72 74.00	Freq. Factor Loss factor Reading Level Limits Margin (MHz) (dB/m) (dB) (dBuV) (dBuV/m) (dBuV/m) (dB) (dB) (dB)  2344.845 27.88 5.92 34.44 47.67 47.03 74.00 26.97 2390.000 27.96 6.01 34.44 45.28 44.81 74.00 29.19 2400.000 27.96 6.01 34.44 60.19 59.72 74.00 14.28

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor





Site no. : 3# Chamber Data no. : 54
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C AV

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz Test Mode : IEEE802.11nHT20 CH1 2412MHz Tx

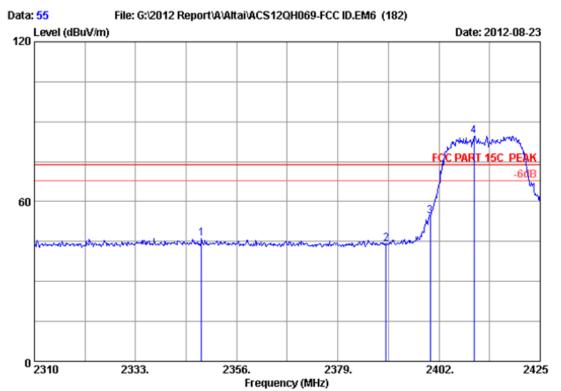
M/N : WAS011N

		Ant.	Cable	AMP		Emission			
No.	Freq. (MHz)	Factor (dB/m)	Loss (dB)	factor (dBuV)	Reading (dBuV/m)	Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	2390.000	27.96	6.01	34.44	32.11	31.64	54.00	22.36	Average
2	2400.000	27.96	6.01	34.44	36.60	36.13	54.00	17.87	Average
3	2410.970	27.98	6.03	34.44	77.42	76.99	54.00	-22.99	Average

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor





Site no. : 3# Chamber Data no. : 55

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz Test Mode : IEEE802.11nHT20 CH1 2412MHz Tx

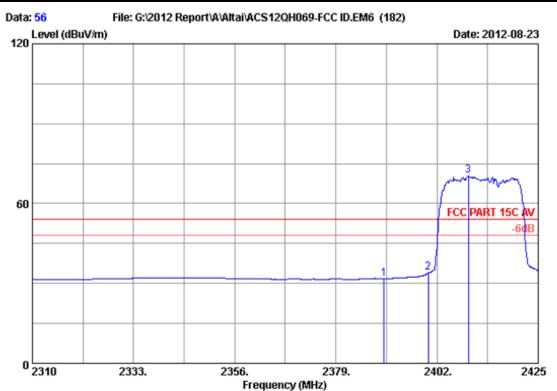
M/N : WAS011N

No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
2	2347.950	27.88	5.92	34.44	46.93	46.29	74.00	27.71	Peak
	2390.000	27.96	6.01	34.44	44.63	44.16	74.00	29.84	Peak
	2400.000	27.96	6.01	34.44	55.12	54.65	74.00	19.35	Peak
	2409.935	27.98	6.03	34.44	85.09	84.66	74.00	-10.66	Peak

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor





Site no. : 3# Chamber Data no. : 56

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C AV

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz Test Mode : IEEE802.11nHT20 CH1 2412MHz Tx

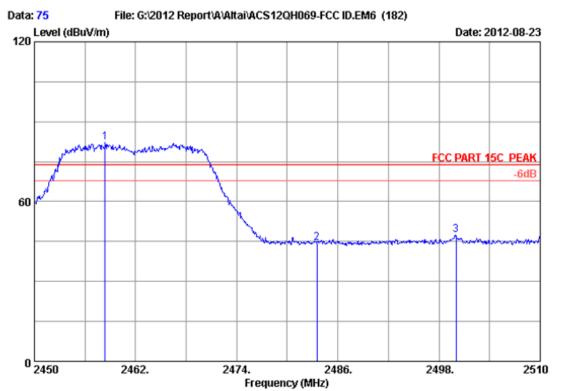
M/N : WASO11N

		Ant.	Cable	AMP		Emission			
No.	Freq. (MHz)	Factor (dB/m)	Loss (dB)	factor (dBuV)	Reading (dBuV/m)	Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	2390.000	27.96	6.01	34.44	32.35	31.88	54.00	22.12	Average
2	2400.000	27.96	6.01	34.44	34.49	34.02	54.00	19.98	Average
3	2409.130	27.98	6.03	34.44	70.91	70.48	54.00	-16.48	Average

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor





Site no. : 3# Chamber Data no. : 75

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz Test Mode : IEEE802.11nHT20 CH11 2462MHz Tx

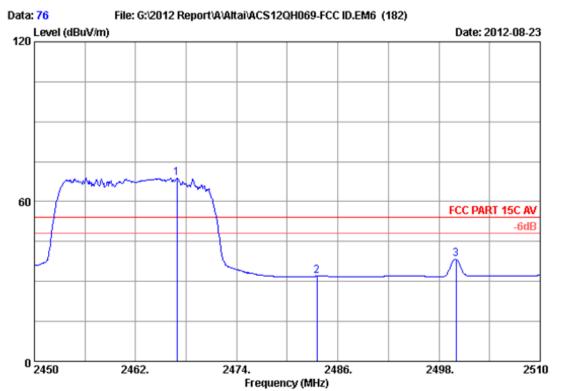
M/N : WA8011N

No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
2	2458.400 2483.500 2500.000	28.05 28.08 28.10	6.12 6.15 6.18	34.44 34.45 34.45	82.33 44.60 47.67	82.06 44.38 47.50	74.00 74.00 74.00	-8.06 29.62 26.50	Peak Peak Peak

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor





Site no. : 3# Chamber Data no. : 76

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C AV

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz Test Mode : IEEE802.11nHT20 CH11 2462MHz Tx

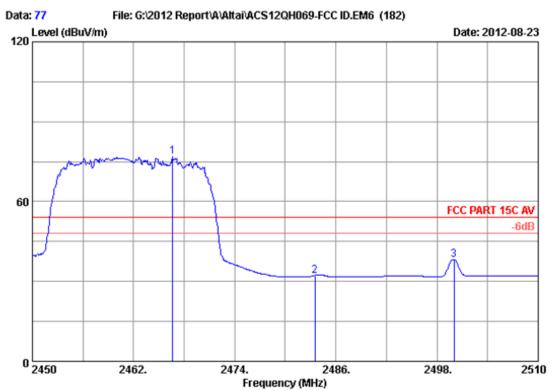
M/N : WAS011N

		Ant.	Cable	AMP		Emission			
No.	Freq. (MHz)	Factor (dB/m)	Loss (dB)	factor (dBuV)	Reading (dBuV/m)	Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	2466.920	28.05	6.12	34.45	69.11	68.83	54.00	-14.83	Average
2	2483.500	28.08	6.15	34.45	32.19	31.97	54.00	22.03	Average
3	2500.000	28.10	6.18	34.45	38.45	38.28	54.00	15.72	Average

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor





Site no. : 3# Chamber Data no. : 77
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C AV

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz Test Mode : IEEE802.11nHT20 CH11 2462MHz Tx

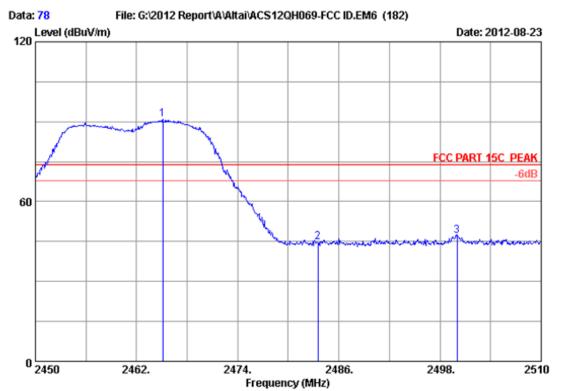
M/N : WA8011N

No.	Freq.	Factor (dB/m)	Loss (dB)	factor (dBuV)	Reading (dBuV/m)	Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
2	2466.620 2483.500 2500.000	28.05 28.08 28.10	6.12 6.15 6.18	34.45 34.45 34.45	77.04 32.43 38.43	76.76 32.21 38.26		-22.76 21.79 15.74	

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor





Site no. : 3# Chamber Data no. : 78
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz Test Mode : IEEE802.11nHT20 CH11 2462MHz Tx

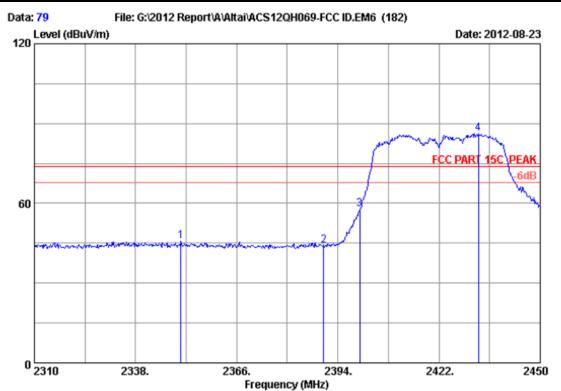
M/N : WAS011N

No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
2	2465.120 2483.500 2500.000	28.05 28.08 28.10	6.12 6.15 6.18	34.45 34.45 34.45	91.07 44.85 47.31	90.79 44.63 47.14	74.00 74.00 74.00	-16.79 29.37 26.86	Peak

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor





Site no. : 3# Chamber Data no. : 79
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz Test Mode : IEEE802.11nHT40 CH1 2422MHz Tx

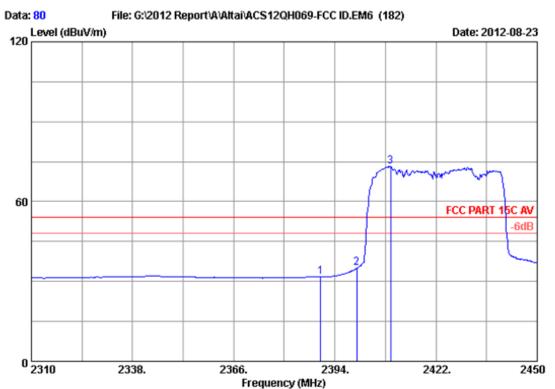
M/N : WA8011N

No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
2	2350.600	27.88	5.95	34.44	46.29	45.68	74.00	28.32	Peak
	2390.000	27.96	6.01	34.44	44.64	44.17	74.00	29.83	Peak
	2400.000	27.96	6.01	34.44	58.32	57.85	74.00	16.15	Peak
	2432.920	28.00	6.06	34.44	86.73	86.35	74.00	-12.35	Peak

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor





Site no. : 3# Chamber Data no. : 80
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C AV

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz Test Mode : IEEE802.11nHT40 CH1 2422MHz Tx

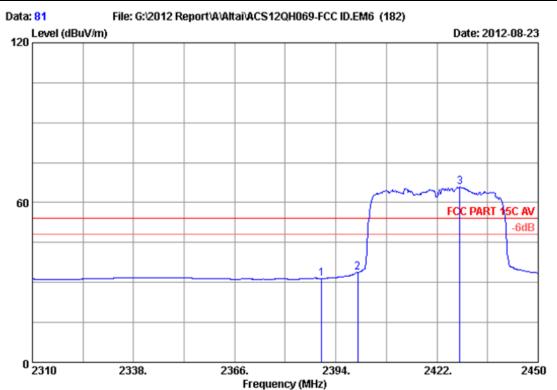
M/N : WASO11N

		Ant.	Cable	AMP		Emission			
No.	Freq. (MHz)	Factor (dB/m)	Loss (dB)	factor (dBuV)	Reading (dBuV/m)	Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	2390.000	27.96	6.01	34.44	32.19	31.72	54.00	22.28	Average
2	2400.000	27.96	6.01	34.44	35.45	34.98	54.00	19.02	Average
3	2409.400	27.98	6.03	34.44	73.75	73.32	54.00	-19.32	Average

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor





Site no. : 3# Chamber Data no. : 81

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C AV

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz Test Mode : IEEE802.11nHT40 CH1 2422MHz Tx

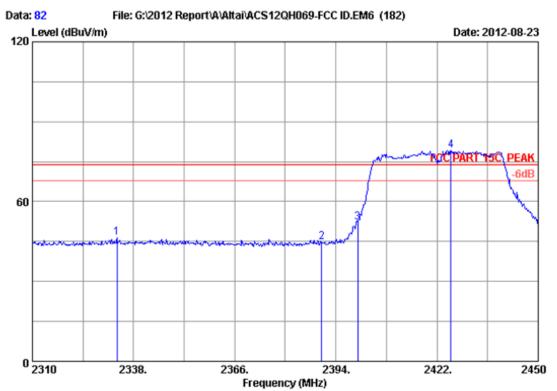
M/N : WA8011N

No.	Freq.	Factor (dB/m)	Loss (dB)	factor (dBuV)	Reading (dBuV/m)	Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
2	2390.000 2400.000 2428.300	27.96 27.96 28.00	6.01 6.01 6.06	34.44 34.44 34.44	32.05 34.28 66.13	31.58 33.81 65.75	54.00 54.00 54.00		Average Average Average

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor





Site no. : 3# Chamber Data no. : 82

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz Test Mode : IEEE802.11nHT40 CH1 2422MHz Tx

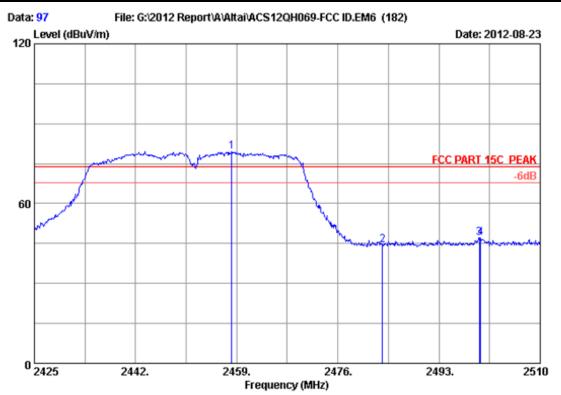
M/N : WAS011N

No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
2	2333.380	27.86	5.92	34.43	47.09	46.44	74.00	27.56	Peak
	2390.000	27.96	6.01	34.44	45.12	44.65	74.00	29.35	Peak
	2400.000	27.96	6.01	34.44	52.72	52.25	74.00	21.75	Peak
	2425.920	28.00	6.06	34.44	79.69	79.31	74.00	-5.31	Peak

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor





Site no. : 3# Chamber Data no. : 97

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz Test Mode : IEEE802.11nHT40 CH7 2452MHz Tx

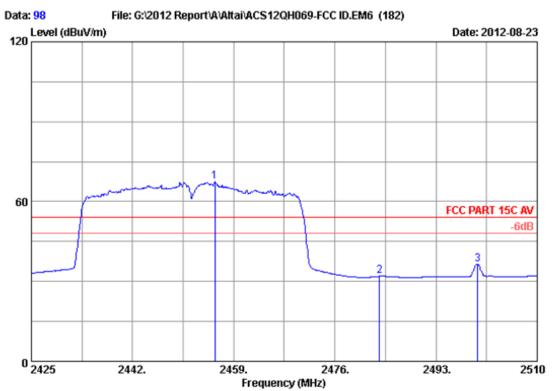
M/N : WAS011N

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
2	2458.150	28.05	6.12	34.44	79.84	79.57	74.00	-5.57	Peak
	2483.500	28.08	6.15	34.45	44.58	44.36	74.00	29.64	Peak
	2499.800	28.10	6.18	34.45	47.39	47.22	74.00	26.78	Peak
	2500.000	28.10	6.18	34.45	47.32	47.15	74.00	26.85	Peak

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor





Site no. : 3# Chamber Data no. : 98

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C AV

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz Test Mode : IEEE802.11nHT40 CH7 2452MHz Tx

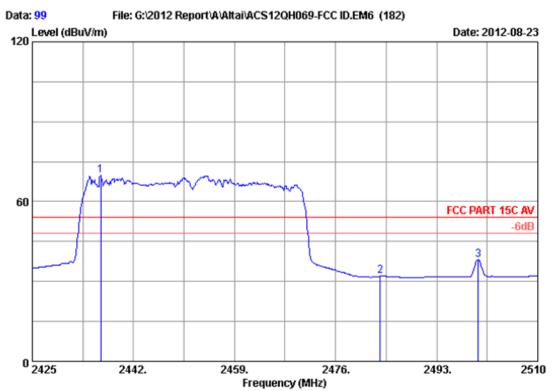
M/N : WAS011N

		Ant.	Cable	AMP		Emission			
No.	Freq. (MHz)	Factor (dB/m)	Loss (dB)	factor (dBuV)	Reading (dBuV/m)	Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	2455.855	28.05	6.09	34.44	67.86	67.56	54.00	-13.56	Average
2	2483.500	28.08	6.15	34.45	32.15	31.93	54.00	22.07	Average
3	2500.000	28.10	6.18	34.45	36.61	36.44	54.00	17.56	Average

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor





Site no. : 3# Chamber Data no. : 99
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C AV

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

EUT : A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz Test Mode : IEEE802.11nHT40 CH7 2452MHz Tx

M/N : WA8011N

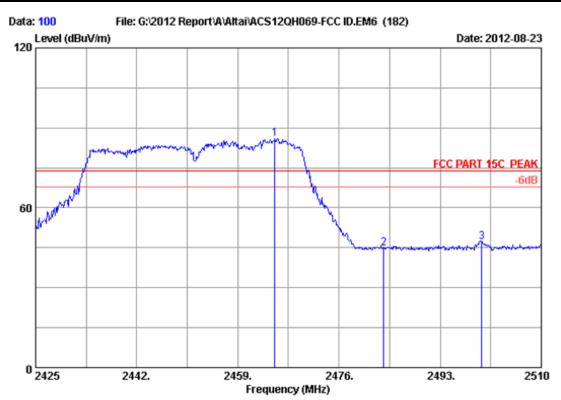
		Ant.	Cable	AMP		Emission			
No.	Freq. (MHz)	Factor (dB/m)	Loss (dB)	factor (dBuV)	Reading (dBuV/m)	Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	2436.475	28.00	6.06	34.44	70.38	70.00	54.00	-16.00	Average
2	2483.500	28.08	6.15	34.45	32.22	32.00	54.00	22.00	Average
3	2500.000	28.10	6.18	34.45	38.23	38.06	54.00	15.94	Average

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Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor



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: 3# Chamber Data no. : 100 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

: FCC PART 15C PEAK Limit

Env. / Ins. : 24\*C/56% Engineer : Leo-Li

: A8-Ein Super WiFi Base Station

Power Rating : DC 56V From Adapter Input AC 120V/60Hz Test Mode : IEEE802.11nHT40 CH7 2452MHz Tx

M/N : WA8011N

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	2465.205	28.05	6.12	34.45	86.16	85.88	74.00	-11.88	Peak
2	2483.500	28.08	6.15	34.45	45.13	44.91	74.00	29.09	Peak
3	2500.000	28.10	6.18	34.45	47.29	47.12	74.00	26.88	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor



# 7. 6dB Bandwidth Test

# 7.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	PXA Signal Analyzer	Agilent	N9030A	MY51380221	Dct.31.12	1 Year
2.	Amp	HP	8449B	3008A08495	May.08, 12	1 Year
3.	Antenna	EMCO	3115	9510-4580	May.31, 12	1Year
4.	HF Cable	Hubersuhner	Sucoflex104	-	May.08, 12	1 Year

### 7.2.Limit

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500kHz

## 7.3.Test Procedure

The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 300 kHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

## 7.4.Test Results

EUT: A8-Ein Super WiFi Base Station						
M/N: WA8011N						
Test date: 2012-11-24	Pressure:	101.4±1.0 kpa	Humidity:	53.6±3.0%		
Tested by: Leo-Li	Test site:	RF Site	Temperatur °C	re: 21.9±0.6		

Cable lo	oss: 1 dB	Attenuator loss: 20 dB					
Test Mode	СН		ndwidth Hz)	Limit (KHz)			
		ANT 0	ANT 1	(11112)			
	CH1	11.70	11.71	>500			
11b	CH6	12.63	12.63	>500			
	CH11	12.19	12.19	>500			
	CH1	16.23	16.31	>500			
11g	CH6	16.40	16.42	>500			
	CH11	16.34	16.25	>500			
11	CH1	17.37	17.38	>500			
11n HT20	CH6	17.65	17.66	>500			
11120	CH11	17.60	17.47	>500			
11	CH1	35.70	35.11	>500			
11n HT40	CH4	36.42	36.37	>500			
11140	CH7	36.45	36.40	>500			
Conclusion: PASS							





Test Mode: IEEE 802.11b TX

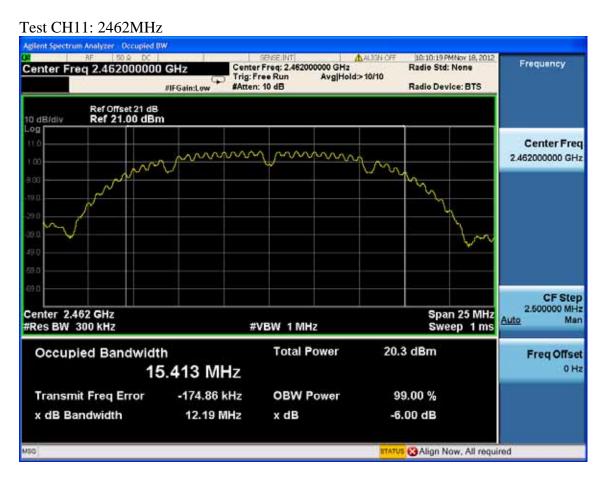
Test CH1: 2412MHz



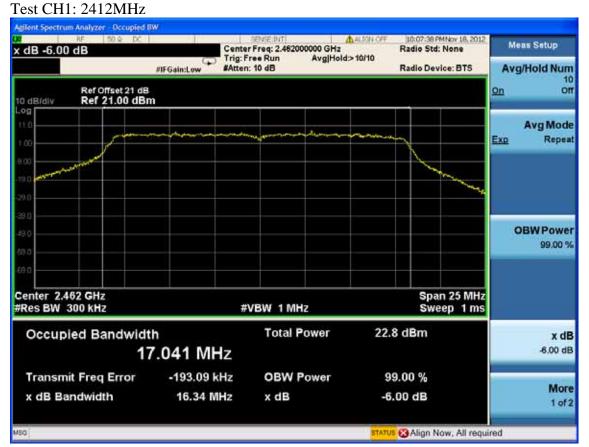
## Test CH6: 2437MHz







Test Mode: IEEE 802.11g TX





#### Test CH6: 2437MHz 10:08:08 PMNov 18, 2012 Trace/Detector Center Freq: 2.437000000 GHz Radio Std: None Avg|Hold>10/10 Trig: Free Run #Atten: 10 dB Radio Device: BTS Ref Offset 21 dB Ref 21.00 dBm 10 dB/div og **Clear Write** Average Max Hold Min Hold Center 2.437 GHz Span 25 MHz #Res BW 300 kHz **#VBW 1 MHz** Sweep 1 ms Detector **Total Power** 24.0 dBm Occupied Bandwidth Peak > 17.162 MHz Auto Man 51.019 kHz Transmit Freq Error **OBW Power** 99.00 % x dB Bandwidth 16.40 MHz x dB -6.00 dB STATUS Align Now, All required

## Test CH11: 2462MHz





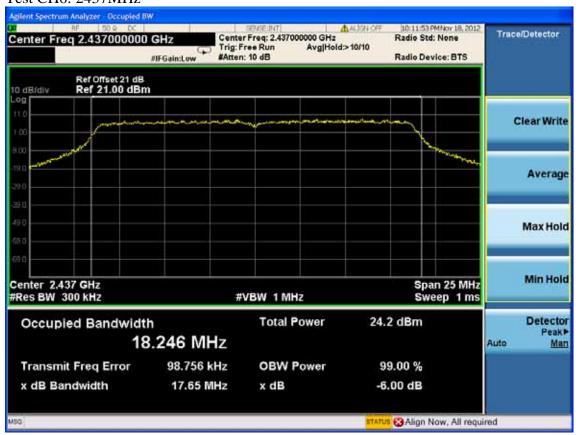
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Test Mode: IEEE 802.11n HT20 TX

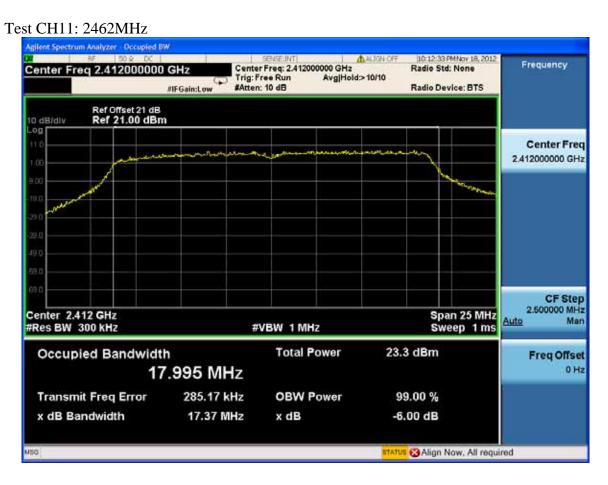
Test CH1: 2412MHz



## Test CH6: 2437MHz

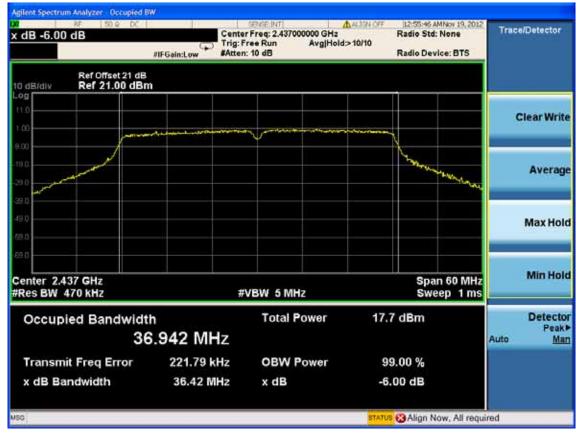






Test Mode: IEEE 802.11n HT40 TX

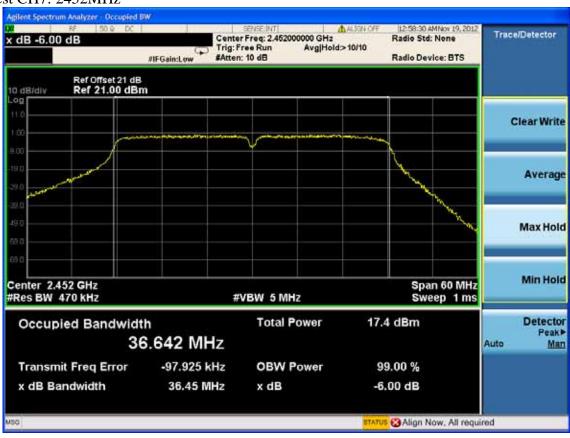
Test CH1: 2422MHz





#### Test CH4: 2437MHz 12:56:22 AMNov 19, 2012 Trace/Detector Center Freq: 2.422000000 GHz Trig: Free Run Avg|Hole Radio Std: None Avg|Hold>10/10 #Atten: 10 dB Radio Device: BTS Ref Offset 21 dB Ref 21.00 dBm 10 dB/div \_og **Clear Write** Average Max Hold Min Hold Span 60 MHz Center 2.422 GHz #Res BW 470 kHz #VBW 5 MHz Sweep 1 ms Detector **Total Power** 18.6 dBm Occupied Bandwidth Peak > 36.826 MHz Auto Man 641.82 kHz Transmit Freq Error **OBW Power** 99.00 % x dB Bandwidth 35.70 MHz x dB -6.00 dB STATUS Align Now, All required

## Test CH7: 2452MHz







Test Mode: IEEE 802.11b TX

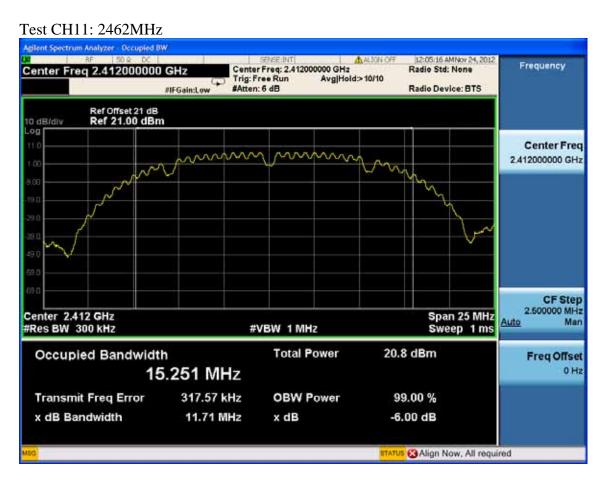
Test CH1: 2412MHz



## Test CH6: 2437MHz







Test Mode: IEEE 802.11g TX

Test CH1: 2412MHz





#### Test CH6: 2437MHz 12:03:59 AMNov 24, 2012 Trace/Detector Center Freq: 2.437000000 GHz Radio Std: None Avg|Hold>10/10 Trig: Free Run #Atten: 6 dB Radio Device: BTS Ref Offset 21 dB Ref 21.00 dBm 10 dB/div og **Clear Write** Average Max Hold Min Hold Center 2.437 GHz Span 25 MHz #Res BW 300 kHz **#VBW 1 MHz** Sweep 1 ms Detector **Total Power** 24.2 dBm Occupied Bandwidth Peak > 17.189 MHz Auto Man 73.391 kHz Transmit Freq Error **OBW Power** 99.00 % x dB Bandwidth 16.42 MHz x dB -6.00 dB STATUS Align Now, All required

## Test CH11: 2462MHz

