

Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no. : 43

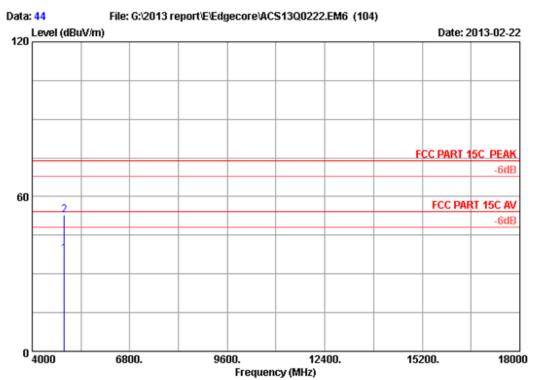
2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

Env. / Ins. : 23*C/54% Engineer : Leo-Li : 150 Mbps 4-Port Wireless Broadband Router Power supply : DC 9V From Adapter Input AC 120V/60Hz Test mode : IEEE802.11g CH11 2462MHz Tx

: SMCWBR14S-N5





Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no. : 44

2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

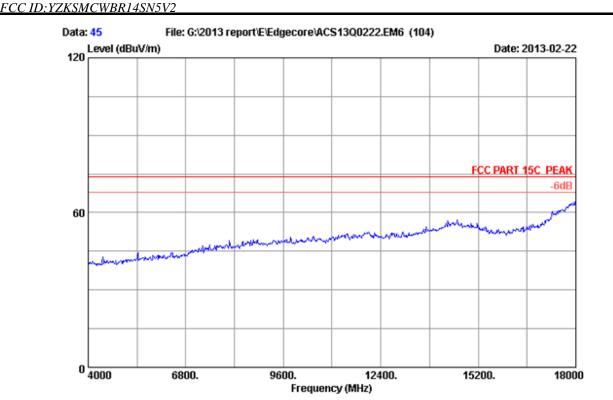
Env. / Ins. : 23*C/54% Engineer : Leo-Li : 150 Mbps 4-Port Wireless Broadband Router Power supply : DC 9V From Adapter Input AC 120V/60Hz Test mode : IEEE802.11g CH11 2462MHz Tx

: SMCWBR14S-N5

	Freq.	Ant. Factor (dB/m)	Cable loss (dB)	•	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1		33.08 33.08		34.60 34.60	30.57 45.78	37.67 52.88	54.00 74.00	16.33 21.12	Average Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 45
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

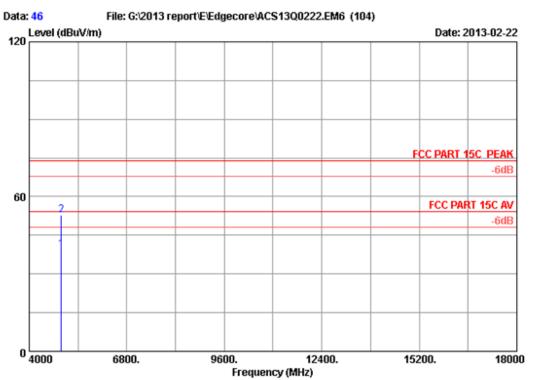
Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 150 Mbps 4-Port Wireless Broadband Router
Power supply : DC 9V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz Tx

M/N : SMCWBR14S-N5

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Site no. : 3m Chamber Data no. : 46
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 150 Mbps 4-Port Wireless Broadband Router
Power supply : DC 9V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz Tx

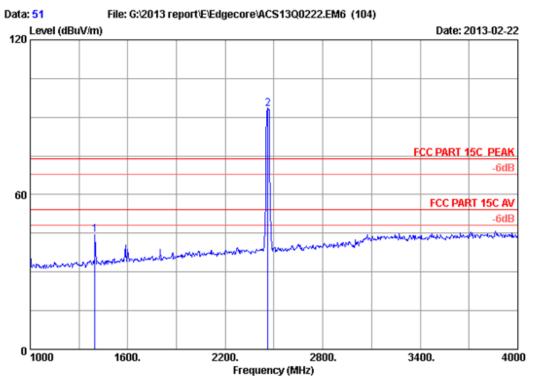
M/N : SMCWBR14S-N5

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	Freq.	Ant. Factor (dB/m)	Cable loss (dB)	-	Reading (dBuV)		Limits	Margin (dB)	Remark
1 2	4924.000 4924.000			34.60 34.60	32.45 45.67	39.55 52.77	54.00 74.00	14.45 21.23	Average Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no. : 51

2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

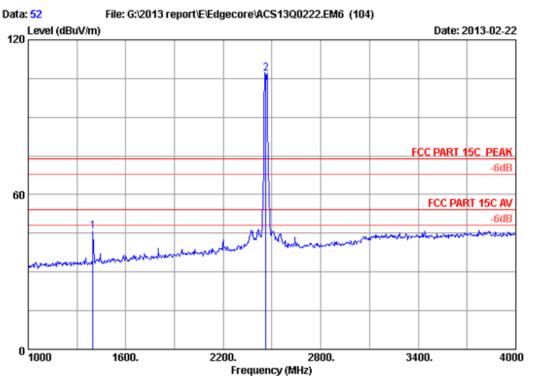
Env. / Ins. : 23*C/54% Engineer : Leo-Li : 150 Mbps 4-Port Wireless Broadband Router Power supply : DC 9V From Adapter Input AC 120V/60Hz Test mode : IEEE802.11g CH11 2462MHz Tx

: SMCWBR14S-N5

		Ant.	Cable	Amp.		Emission			
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	1399.000	24.99	4.44	34.70	49.68	44.41	74.00	29.59	Peak
2	2462.000	28.05	6.12	34.44	93.44	93.17	74.00	-19.17	Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





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

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 150 Mbps 4-Port Wireless Broadband Router
Power supply : DC 9V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz Tx

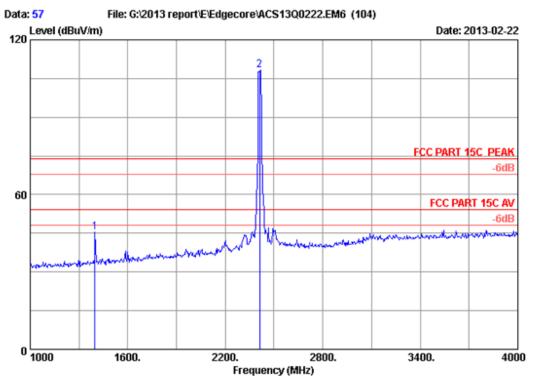
M/N : SMCWBR14S-N5

:

	Freq.			Factor	_	Emission Level (dBuV/m)	Limits	Margin (dB)	Remark
1	1399.000	24.99	4.44	34.70	50.95	45.68	74.00	28.32	Peak
2	2462.000	28.05	6.12	34.44	107.39	107.12	74.00	-33.12	Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 57
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 150 Mbps 4-Port Wireless Broadband Router
Power supply : DC 9V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx

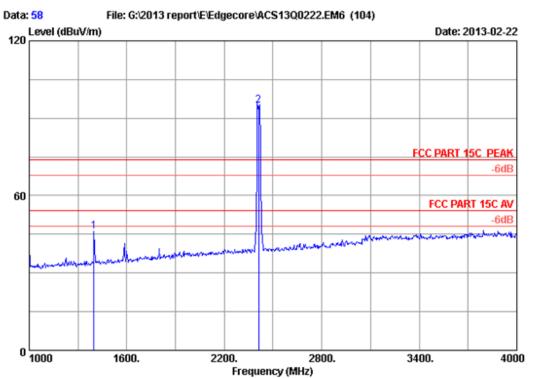
M/N : SMCWBR14S-N5

:

		Ant.	Cable	Amp.		Emission			
	Freq. (MHz)	Factor (dB/m)			_	Level (dBuV/m)		_	Remark
1	1399.000	24.99	4.44	34.70	50.88	45.61	74.00	28.39	Peak
2	2412.000	27.98	6.03	34.44	108.84	108.41	74.00	-34.41	Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no. : 58

2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

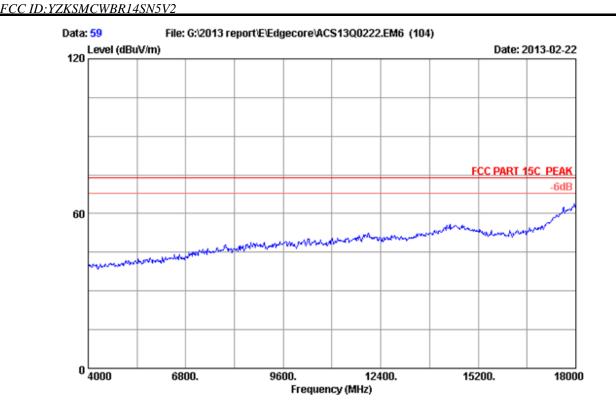
Env. / Ins. : 23*C/54% Engineer : Leo-Li : 150 Mbps 4-Port Wireless Broadband Router Power supply : DC 9V From Adapter Input AC 120V/60Hz : IEEE802.11nHT20 CH1 2412MHz Tx Test mode

: SMCWBR14S-N5

		ant.	Cable	Amp.		Emission				
	Freq. (MHz)	Factor (dB/m)			_	Level (dBuV/m)		_	Remark	
1	1399.000	24.99	4.44	34.70	51.37	46.10	74.00	27.90	Peak	
2	2412.000	27.98	6.03	34.44	95.28	94.85	74.00	-20.85	Peak	

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no. : 59

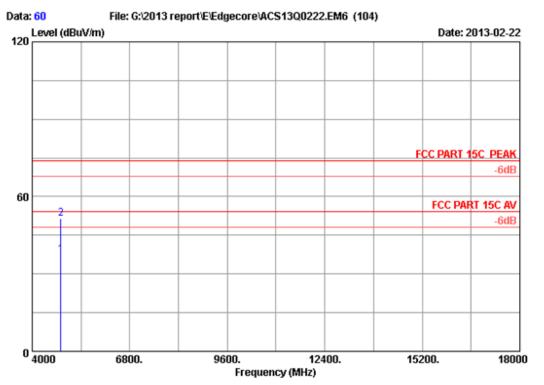
2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

Env. / Ins. : 23*C/54% Engineer : Leo-Li : 150 Mbps 4-Port Wireless Broadband Router Power supply : DC 9V From Adapter Input AC 120V/60Hz Test mode : IEEE802.11nHT20 CH1 2412MHz Tx

: SMCWBR14S-N5





Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no. : 60

2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

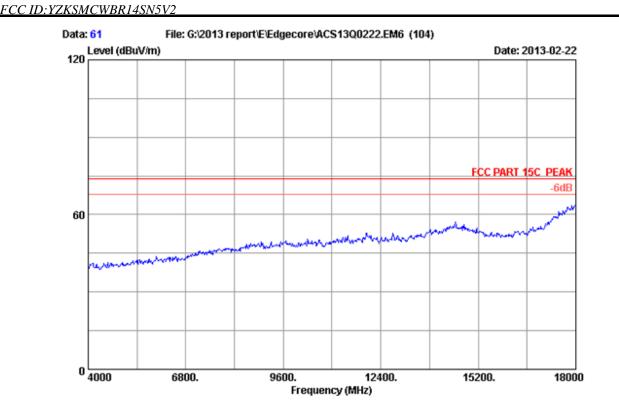
Env. / Ins. : 23*C/54% Engineer : Leo-Li : 150 Mbps 4-Port Wireless Broadband Router Power supply : DC 9V From Adapter Input AC 120V/60Hz Test mode : IEEE802.11nHT20 CH1 2412MHz Tx

: SMCWBR14S-N5

	Freq.	Ant. Factor (dB/m)	Cable loss (dB)	-	Reading (dBuV)		Limits	Margin (dB)	Remark
1	4824.000 4824.000			34.60 34.60	30.69 44.52	37.51 51.34	54.00 74.00	16.49 22.66	Average Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 61
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

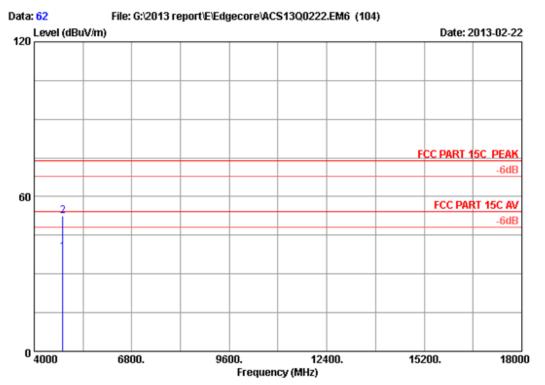
Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 150 Mbps 4-Port Wireless Broadband Router
Power supply : DC 9V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx

M/N : SMCWBR14S-N5

:





Site no. : 3m Chamber Data no. : 62
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 150 Mbps 4-Port Wireless Broadband Router
Power supply : DC 9V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx

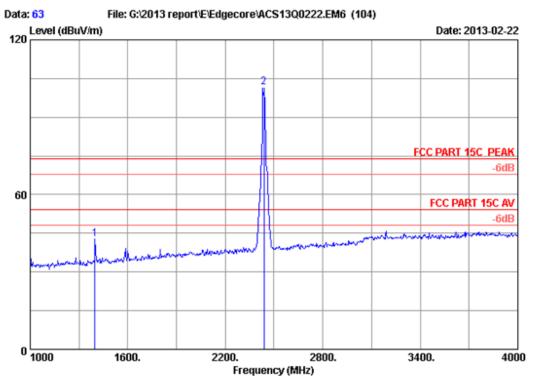
M/N : SMCWBR14S-N5

:

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Factor	Reading (dBuV)	Emission Level (dBuV/m)		Margin (dB)	Remark
4824.000 4824.000			34.60 34.60	31.77 45.82	38.59 52.64	54.00 74.00	15.41 21.36	Average Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no. : 63

2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

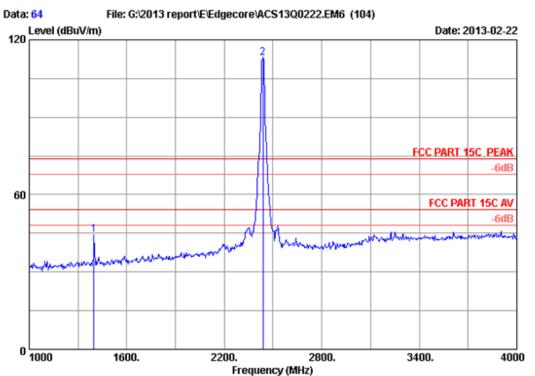
Env. / Ins. : 23*C/54% Engineer : Leo-Li : 150 Mbps 4-Port Wireless Broadband Router Power supply : DC 9V From Adapter Input AC 120V/60Hz Test mode : IEEE802.11nHT20 CH6 2437MHz Tx

: SMCWBR14S-N5

		Ant.	Cable	Amp.		Emission			
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	1399.000	24.99	4.44	34.70	48.10	42.83	74.00	31.17	Peak
2	2437.000	28.03	6.06	34.44	101.96	101.61	74.00	-27.61	Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 64
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 150 Mbps 4-Port Wireless Broadband Router
Power supply : DC 9V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH6 2437MHz Tx

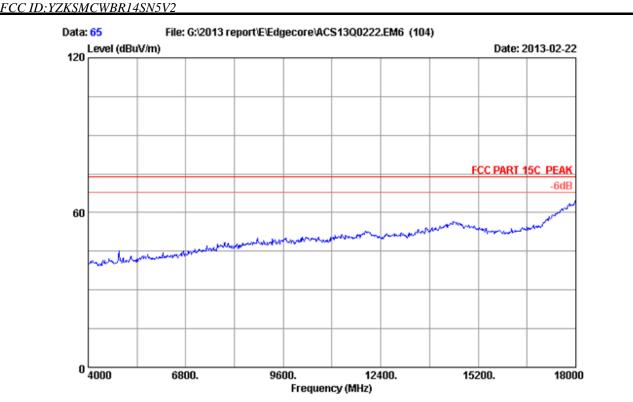
M/N : SMCWBR14S-N5

:

		Ant.	Cable	Amp.		Emission			
	Freq.	Factor (dB/m)			_	Level (dBuV/m)		_	Remark
1	1399.000	24.99	4.44	34.70	49.76	44.49	74.00	29.51	Peak
2	2437.000	28.03	6.06	34.44	113.31	112.96	74.00	-38.96	Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 65
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

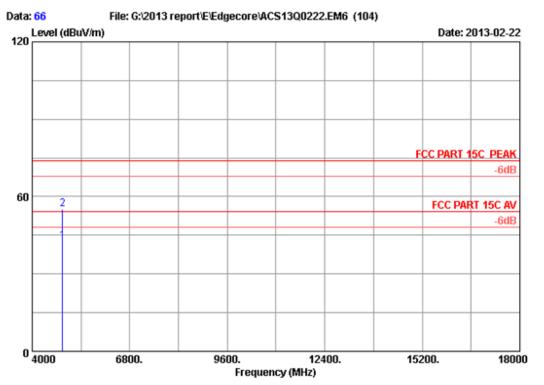
Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 150 Mbps 4-Port Wireless Broadband Router
Power supply : DC 9V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH6 2437MHz Tx

M/N : SMCWBR14S-N5

:





Site no. : 3m Chamber Data no. : 66
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 150 Mbps 4-Port Wireless Broadband Router
Power supply : DC 9V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH6 2437MHz Tx

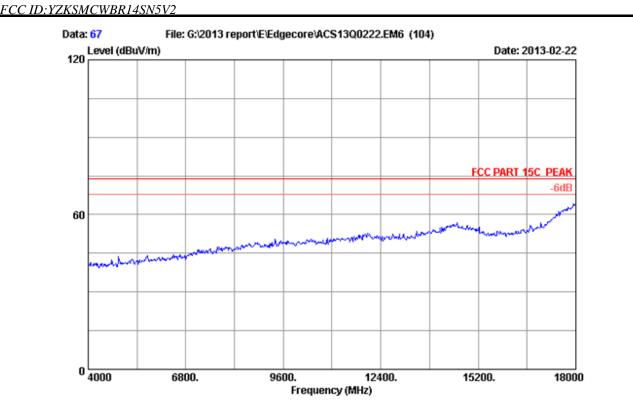
M/N : SMCWBR14S-N5

:

	Freq.	Ant. Factor (dB/m)	Cable loss (dB)	-	Reading (dBuV)		Limits	Margin (dB)	Remark
1 2	4874.000 4874.000			34.60 34.60	35.78 48.08	42.74 55.04	54.00 74.00	11.26 18.96	Average Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no. : 67

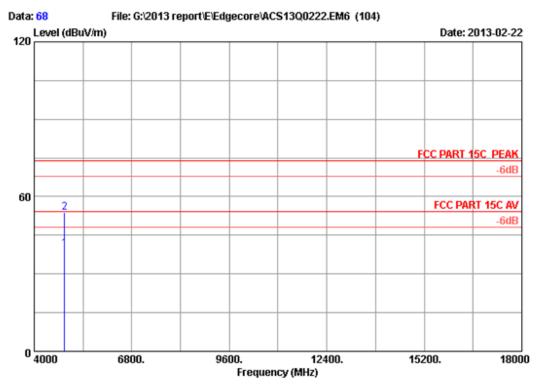
2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

Env. / Ins. : 23*C/54% Engineer : Leo-Li : 150 Mbps 4-Port Wireless Broadband Router Power supply : DC 9V From Adapter Input AC 120V/60Hz Test mode : IEEE802.11nHT20 CH6 2437MHz Tx

: SMCWBR14S-N5





Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no. : 68

2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

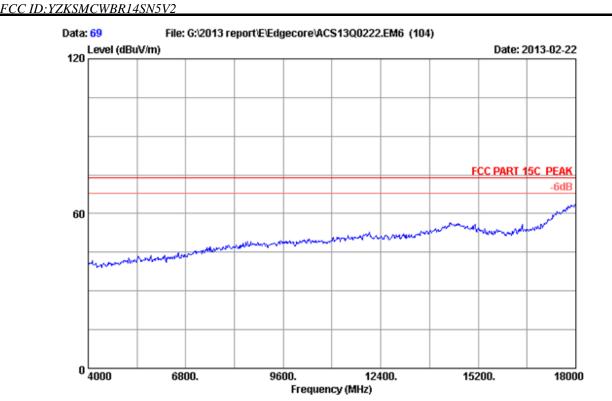
Env. / Ins. : 23*C/54% Engineer : Leo-Li : 150 Mbps 4-Port Wireless Broadband Router Power supply : DC 9V From Adapter Input AC 120V/60Hz Test mode : IEEE802.11nHT20 CH6 2437MHz Tx

: SMCWBR14S-N5

	Freq.	Ant. Factor (dB/m)	Cable loss (dB)	-	Reading (dBuV)		Limits	Margin (dB)	Remark
1 2	4874.000 4874.000			34.60 34.60	32.90 46.73	39.86 53.69	54.00 74.00	14.14 20.31	Average Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 69
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

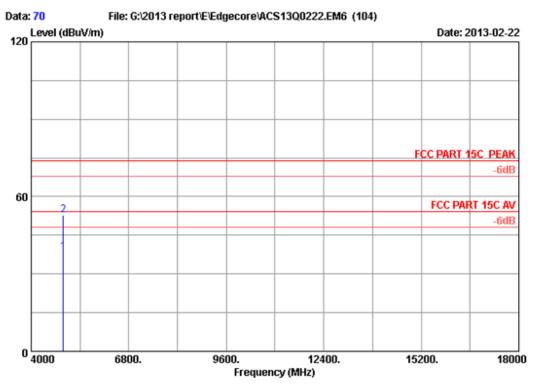
Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 150 Mbps 4-Port Wireless Broadband Router
Power supply : DC 9V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx

M/N : SMCWBR14S-N5

:





Site no. : 3m Chamber Data no. : 70
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 150 Mbps 4-Port Wireless Broadband Router
Power supply : DC 9V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx

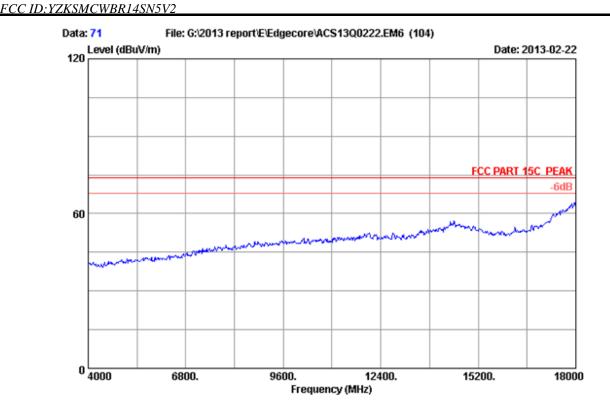
M/N : SMCWBR14S-N5

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	Freq.		loss	Factor	_	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(ab)	(abuv)	(dBuV/m)	(abuv/m)	(ab)	
1	4924.000	33.08	8.62	34.60	31.42	38.52	54.00	15.48	lverage
2	4924.000	33.08	8.62	34.60	45.56	52.66	74.00	21.34	Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no. : 71

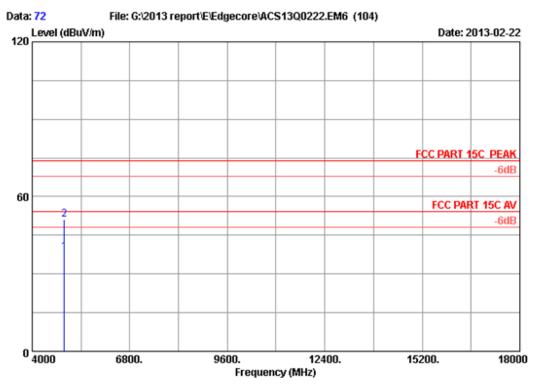
2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

Env. / Ins. : 23*C/54% Engineer : Leo-Li : 150 Mbps 4-Port Wireless Broadband Router Power supply : DC 9V From Adapter Input AC 120V/60Hz Test mode : IEEE802.11nHT20 CH11 2462MHz Tx

: SMCWBR14S-N5





Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no. : 72

2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

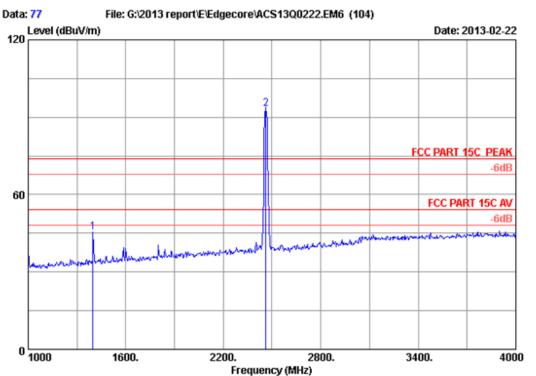
Env. / Ins. : 23*C/54% Engineer : Leo-Li : 150 Mbps 4-Port Wireless Broadband Router Power supply : DC 9V From Adapter Input AC 120V/60Hz Test mode : IEEE802.11nHT20 CH11 2462MHz Tx

: SMCWBR14S-N5

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Factor	Reading (dBuV)	Emission Level (dBuV/m)			Remark
1 2	4924.000 4924.000			34.60 34.60	31.29 44.13	38.39 51.23	54.00 74.00	15.61 22.77	Average Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no. : 77

2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

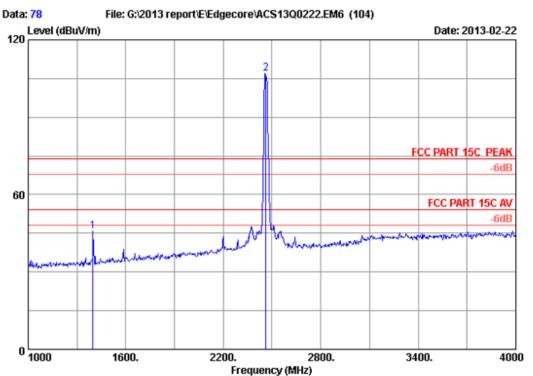
Env. / Ins. : 23*C/54% Engineer : Leo-Li : 150 Mbps 4-Port Wireless Broadband Router Power supply : DC 9V From Adapter Input AC 120V/60Hz Test mode : IEEE802.11nHT20 CH11 2462MHz Tx

: SMCWBR14S-N5

		Ant.	Cable	Amp.		Emission			
	Freq.	Factor (dB/m)			_	Level (dBuV/m)		_	Remark
1	1399.000	24.99	4.44	34.70	50.74	45.47	74.00	28.53	Peak
2	2462.000	28.05	6.12	34.44	93.68	93.41	74.00	-19.41	Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





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

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 150 Mbps 4-Port Wireless Broadband Router
Power supply : DC 9V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx

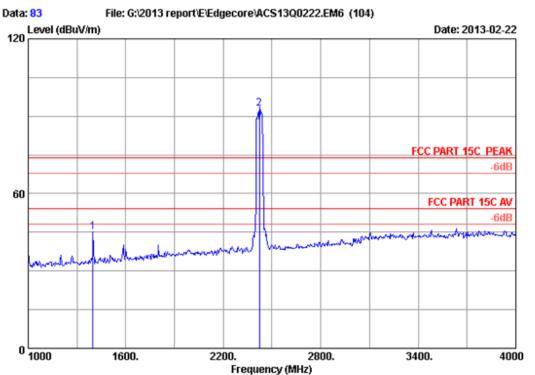
M/N : SMCWBR14S-N5

:

	Freq.	Ant. Factor (dB/m)	loss	Factor	_	Emission Level (dBuV/m)	Limits	_	Remark
1	1399.000	24.99	4.44	34.70	51.10	45.83	74.00	28.17	Peak
2	2462.000	28.05	6.12	34.44	107.15	106.88	74.00	-32.88	Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no. : 83

2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

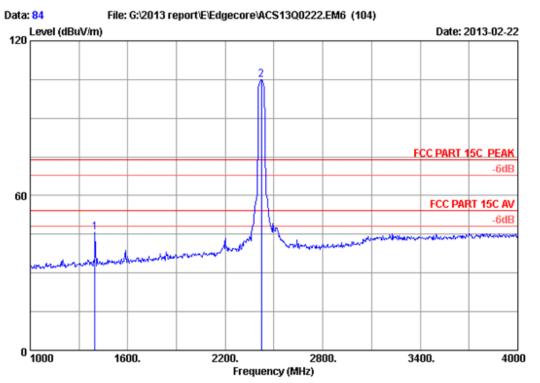
Env. / Ins. : 23*C/54% Engineer : Leo-Li : 150 Mbps 4-Port Wireless Broadband Router Power supply : DC 9V From Adapter Input AC 120V/60Hz Test mode : IEEE802.11nHT40 CH1 2422MHz Tx

: SMCWBR14S-N5

		Ant.	Cable	Amp.		Emission			
	Freq. (MHz)	Factor (dB/m)			_	Level (dBuV/m)		_	Remark
1	1399.000	24.99	4.44	34.70	50.23	44.96	74.00	29.04	Peak
2	2422.000	28.00	6.06	34.44	93.25	92.87	74.00	-18.87	Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 84
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 150 Mbps 4-Port Wireless Broadband Router
Power supply : DC 9V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx

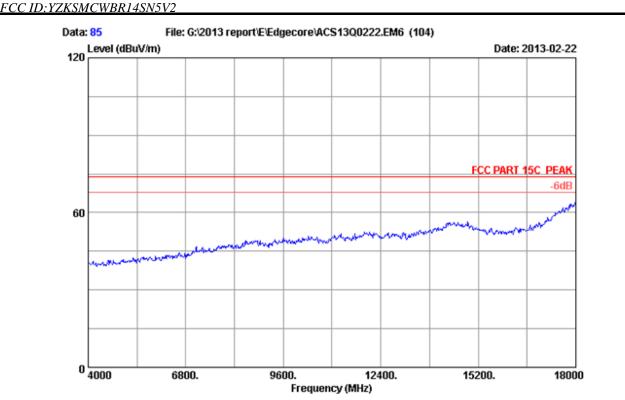
M/N : SMCWBR14S-N5

:

	Freq. (MHz)			Factor	_	Emission Level (dBuV/m)	Limits	_	Remark	
1	1399.000	24.99	4.44	34.70	50.98	45.71	74.00	28.29	Peak	
2	2422.000	28.00	6.06	34.44	105.46	105.08	74.00	-31.08	Peak	

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 85
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

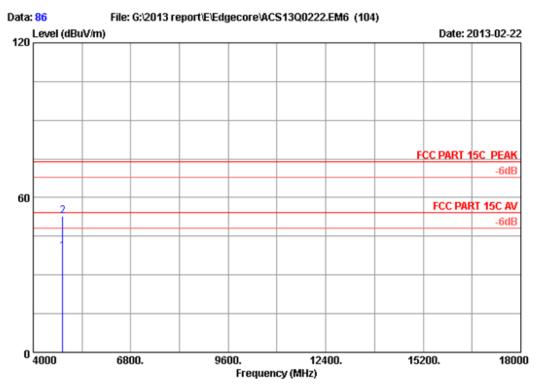
Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 150 Mbps 4-Port Wireless Broadband Router
Power supply : DC 9V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx

M/N : SMCWBR14S-N5

:





Site no. : 3m Chamber Data no. : 86
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 150 Mbps 4-Port Wireless Broadband Router
Power supply : DC 9V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx

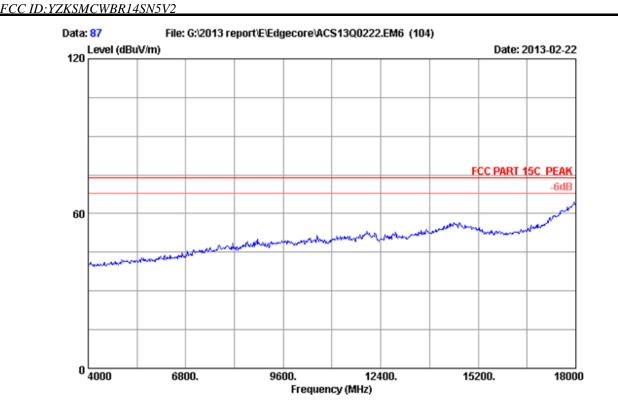
M/N : SMCWBR14S-N5

:

	Freq.	Ant. Factor (dB/m)	Cable loss (dB)	Factor	Reading (dBuV)		Limits	Margin (dB)	Remark
1	4844.000 4844.000			34.60 34.60	32.17 46.03	39.04 52.90	54.00 74.00	14.96 21.10	Average Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no. : 87

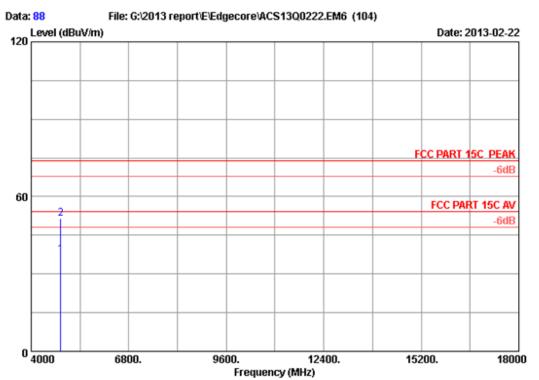
2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

Env. / Ins. : 23*C/54% Engineer : Leo-Li : 150 Mbps 4-Port Wireless Broadband Router Power supply : DC 9V From Adapter Input AC 120V/60Hz Test mode : IEEE802.11nHT40 CH1 2422MHz Tx

: SMCWBR14S-N5





Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no. : 88

2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

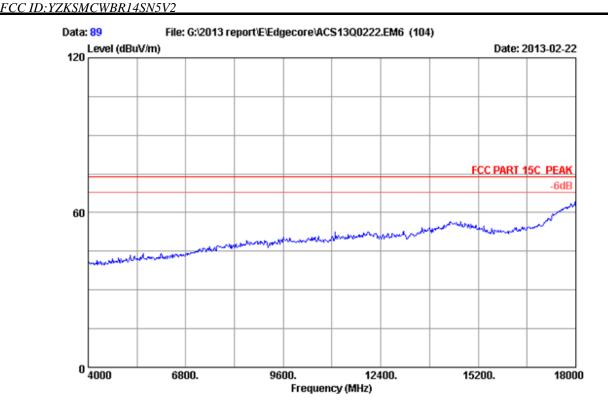
Env. / Ins. : 23*C/54% Engineer : Leo-Li : 150 Mbps 4-Port Wireless Broadband Router Power supply : DC 9V From Adapter Input AC 120V/60Hz Test mode : IEEE802.11nHT40 CH1 2422MHz Tx

: SMCWBR14S-N5

		ant.	Cable	amp.		Emission			
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4844.000	32.92	8.55	34.60	30.58	37.45	54.00	16.55	Average
2	4844.000	32.92	8.55	34.60	44.62	51.49	74.00	22.51	Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no. : 89

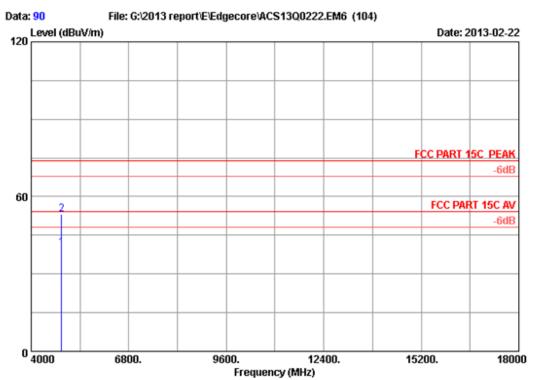
2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

Env. / Ins. : 23*C/54% Engineer : Leo-Li : 150 Mbps 4-Port Wireless Broadband Router Power supply : DC 9V From Adapter Input AC 120V/60Hz Test mode : IEEE802.11nHT40 CH4 2437MHz Tx

: SMCWBR14S-N5





Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no. : 90

2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

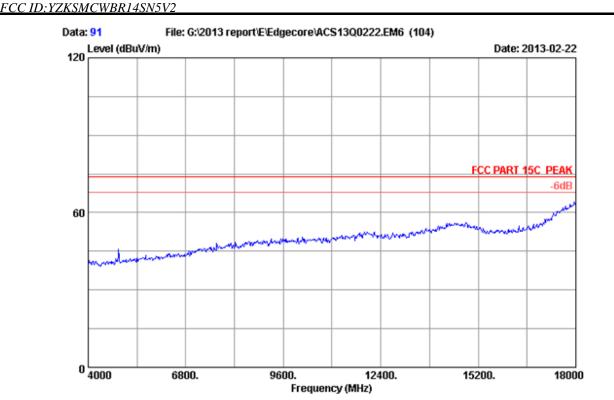
Env. / Ins. : 23*C/54% Engineer : Leo-Li : 150 Mbps 4-Port Wireless Broadband Router Power supply : DC 9V From Adapter Input AC 120V/60Hz Test mode : IEEE802.11nHT40 CH4 2437MHz Tx

: SMCWBR14S-N5

	Freq.	Ant. Factor (dB/m)	Cable loss (dB)	-	Reading (dBuV)		Limits	Margin (dB)	Remark
1	4874.000 4874.000			34.60 34.60	33.16 46.25	40.12 53.21	54.00 74.00	13.88 20.79	Average Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 91
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

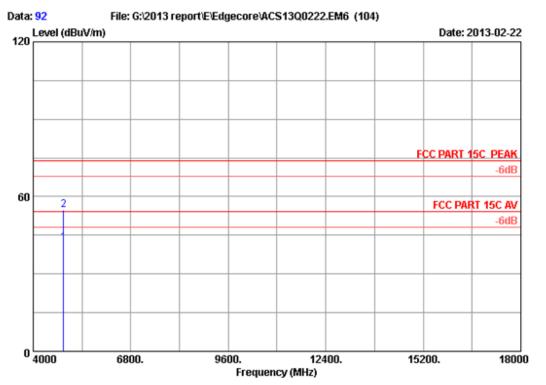
Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 150 Mbps 4-Port Wireless Broadband Router
Power supply : DC 9V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx

M/N : SMCWBR14S-N5

:





Site no. : 3m Chamber Data no. : 92
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 150 Mbps 4-Port Wireless Broadband Router
Power supply : DC 9V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx

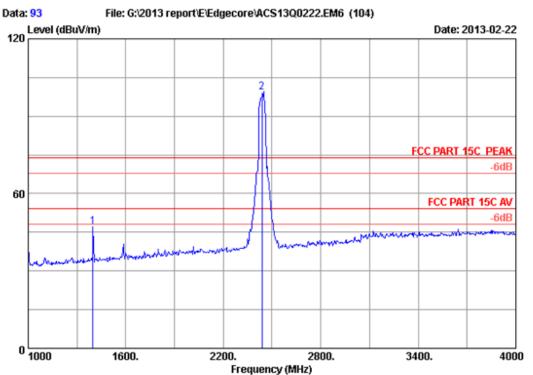
M/N : SMCWBR14S-N5

:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Factor	Reading (dBuV)	Emission Level (dBuV/m)	Limits	Margin (dB)	Remark
_	4874.000 4874.000			34.60 34.60	35.20 47.85	42.16 54.81	54.00 74.00	11.84 19.19	Average Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no. : 93

2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

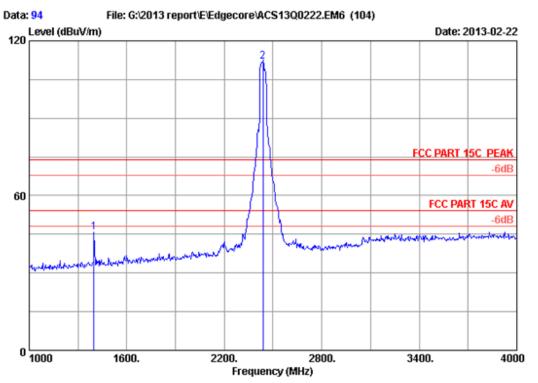
Env. / Ins. : 23*C/54% Engineer : Leo-Li : 150 Mbps 4-Port Wireless Broadband Router Power supply : DC 9V From Adapter Input AC 120V/60Hz Test mode : IEEE802.11nHT40 CH4 2437MHz Tx

: SMCWBR14S-N5

		ant.	Cable	Amp.		Emission				
	Freq. (MHz)	Factor (dB/m)			_	Level (dBuV/m)		_	Remark	
1	1399.000	24.99	4.44	34.70	52.34	47.07	74.00	26.93	Peak	
2	2437.000	28.03	6.06	34.44	99.78	99.43	74.00	-25.43	Peak	

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 94
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 150 Mbps 4-Port Wireless Broadband Router
Power supply : DC 9V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx

M/N : SMCWBR14S-N5

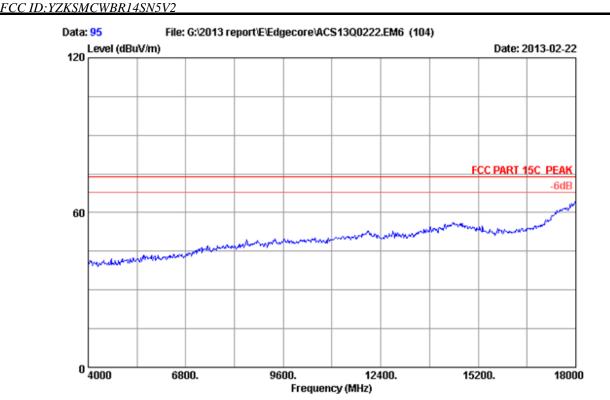
:

		ant.	Cable	Amp.		Emission			
	Freq. (MHz)	Factor (dB/m)			_	Level (dBuV/m)		_	Remark
1	1399.000	24.99	4.44	34.70	51.20	45.93	74.00	28.07	Peak
2	2437.000	28.03	6.06	34.44	112.39	112.04	74.00	-38.04	Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.

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Site no. : 3m Chamber Data no. : 95
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

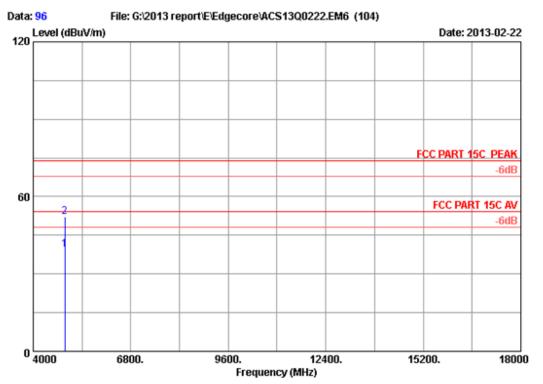
Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 150 Mbps 4-Port Wireless Broadband Router
Power supply : DC 9V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx

M/N : SMCWBR14S-N5

:





Site no. : 3m Chamber Data no. : 96
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 150 Mbps 4-Port Wireless Broadband Router
Power supply : DC 9V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx

M/N : SMCWBR14S-N5

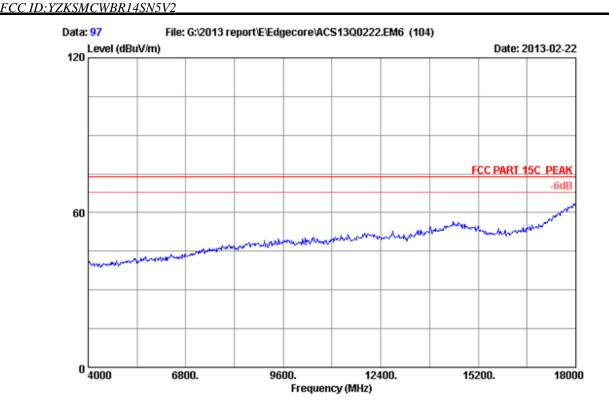
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)		Reading (dBuV)		Limits	Margin (dB)	Remark
1	4904.000 4904.000	33.04 33.04		34.60 34.60	32.49 45.11	39.54 52.16	54.00 74.00	14.46 21.84	Average Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.

page 4-75





Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no. : 97

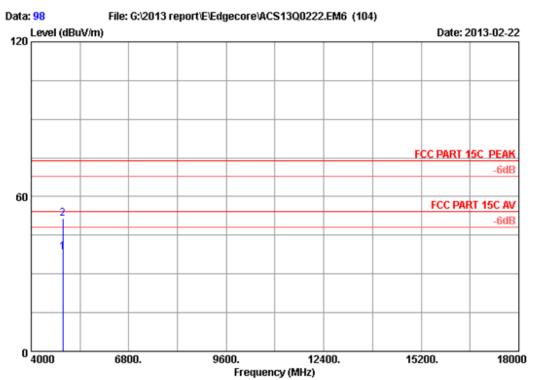
2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

Env. / Ins. : 23*C/54% Engineer : Leo-Li : 150 Mbps 4-Port Wireless Broadband Router Power supply : DC 9V From Adapter Input AC 120V/60Hz Test mode : IEEE802.11nHT40 CH7 2452MHz Tx

: SMCWBR14S-N5





Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no. : 98

2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

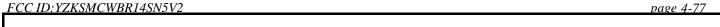
Env. / Ins. : 23*C/54% Engineer : Leo-Li : 150 Mbps 4-Port Wireless Broadband Router Power supply : DC 9V From Adapter Input AC 120V/60Hz Test mode : IEEE802.11nHT40 CH7 2452MHz Tx

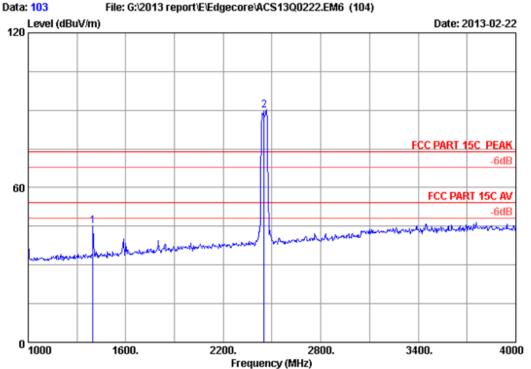
: SMCWBR14S-N5

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Factor	Reading (dBuV)	Emission Level (dBuV/m)		Margin (dB)	Remark
1 2	4904.000 4904.000			34.60 34.60	31.42 44.37	38.47 51.42	54.00 74.00	15.53 22.58	Average Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.







Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no. : 103

2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

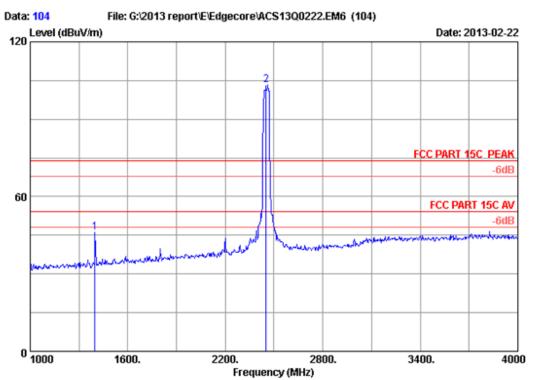
Env. / Ins. : 23*C/54% Engineer : Leo-Li : 150 Mbps 4-Port Wireless Broadband Router Power supply : DC 9V From Adapter Input AC 120V/60Hz Test mode : IEEE802.11nHT40 CH7 2452MHz Tx

: SMCWBR14S-N5

		ant.	Cable	Amp.		Emission				
	Freq. (MHz)	Factor (dB/m)	loss (dB)		_	Level (dBuV/m)		Margin (dB)	Remark	
										,
1	1399.000	24.99	4.44	34.70	50.55	45.28	74.00	28.72	Peak	
2	2452.000	28.03	6.09	34.44	90.30	89.98	74.00	-15.98	Peak	

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 104
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 150 Mbps 4-Port Wireless Broadband Router
Power supply : DC 9V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx

M/N : SMCWBR14S-N5

:

		Ant.	Cable	Amp.		Emission			
	Freq.	Factor (dB/m)			_	Level (dBuV/m)		_	Remark
1	1399.000	24.99	4.44	34.70	51.28	46.01	74.00	27.99	Peak
2	2452.000	28.03	6.09	34.44	103.66	103.34	74.00	-29.34	Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.



5. CONDUCTED SPURIOUS EMISSIONS

5.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08,12	1 Year
2.	Attenuator	Agilent	8491B	MY39262165	May.08,12	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,12	1Year

5.2.Limit

In any 100kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.

5.3.Test Procedure

The transmitter output was connected to a spectrum analyzer, The resolution bandwidth is set to 100 kHz, The video bandwidth is set to 300 kHz and measure all the emissions detected.

5.4. Test result

PASS (The testing data was attached in the next pages.)

Position >

Preferences+

Top

Title>



FCC ID:YZKSMCWBR14SN5V2 page 5-2 Test Mode: IEEE 802.11b TX Test CH1: 2412MHz 🔆 Agilent Display Mkr1 2.410 GHz Atten 10 dB 5.89 dBm Ref 21 dBm **Full Screen** #Peak Log Display Line 10 -14.11 dBm dB/ <u>0n</u> Off Offst 21 ďΒ DΙ -14.1 dBm Limits> LgAv Start 1.000 GHz Stop 10.000 GHz **Active Fctn**

Sweep 860.2 ms (601 pts)

Amplitude

5.89 dBm

#VBW 300 kHz

X Axis 2.410 GHz

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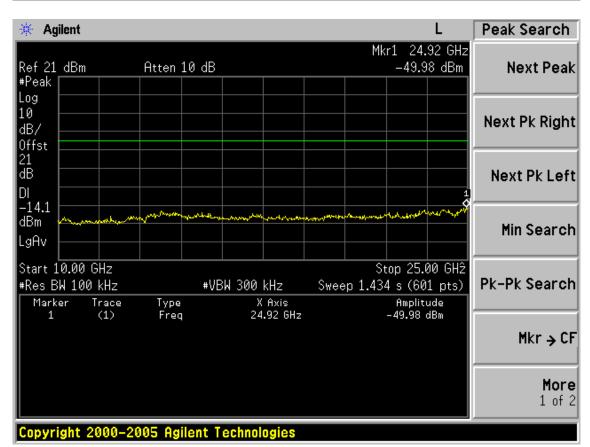
Type

Freq

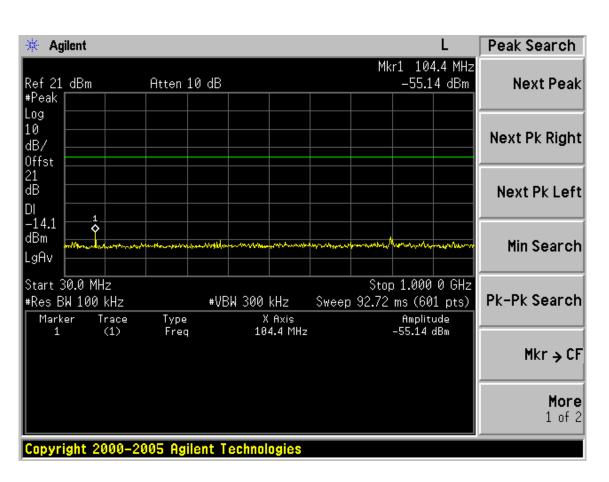
#Res BW 100 kHz

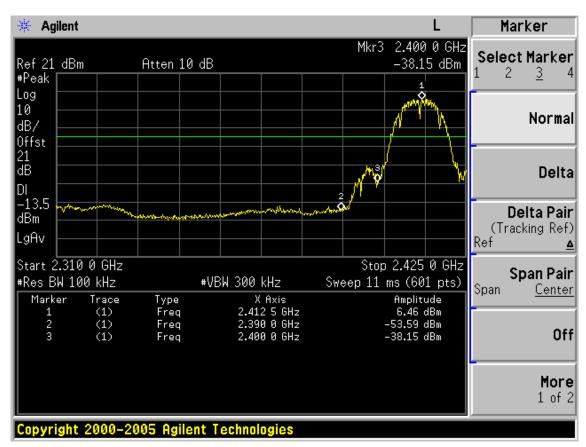
(1)

Marker





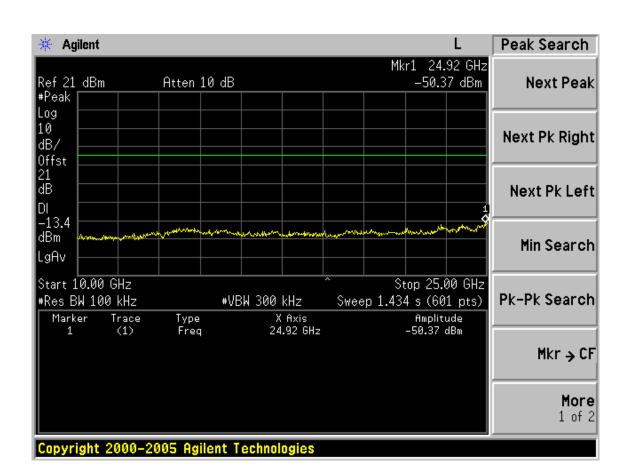






FCC ID: YZKSMCWBR14SN5V2 page 5-4 Test CH6: 2437MHz 🔆 Agilent Display Mkr1 2.440 GHz Ref 21 dBm Atten 10 dB 6.60 dBm **Full Screen** #Peak 4 Log Display Line 10 -13.40 dBm dB/ Off <u>0n</u> Offst 21 dB -13.4 dBm Limits. LgAv Start 1.000 GHz Stop 10.000 GHz **Active Fctn** Sweep 860.2 ms (601 pts) Position P #Res BW 100 kHz #VBW 300 kHz X Axis 2.440 GHz Amplitude 6.60 dBm Marker Trace Type Freq Top (1) Title> Preferences+

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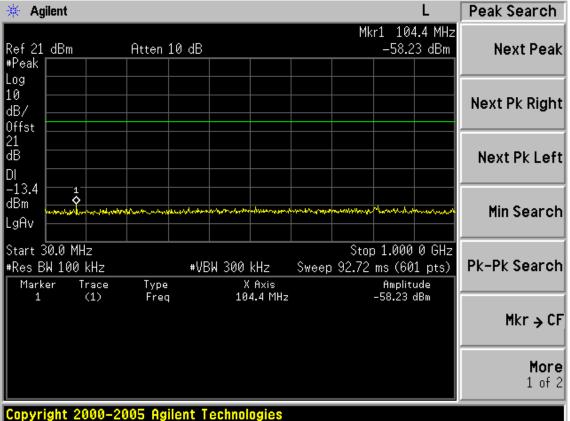




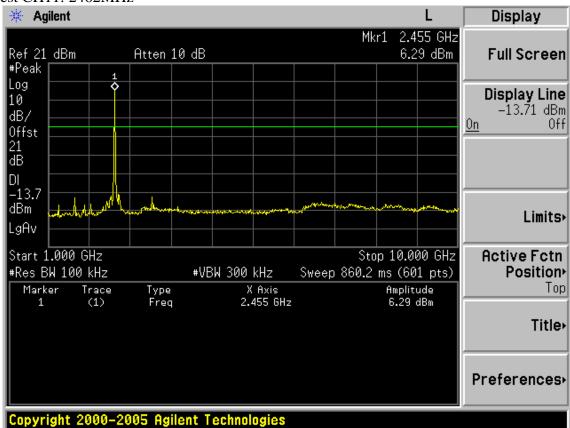
FCC ID:YZKSMCWBR14SN5V2

Agilent

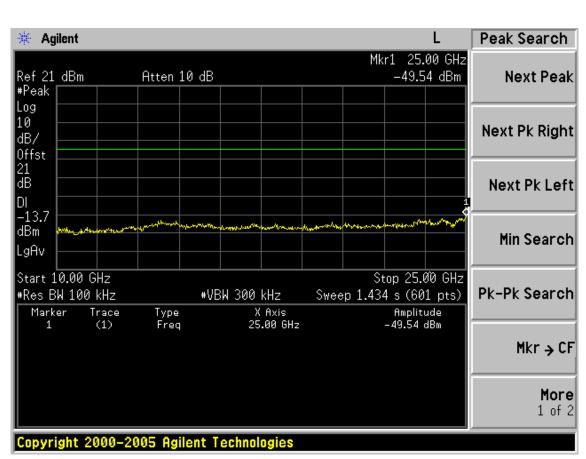
| Mkr1 104.4 MHz | Peak Search | |

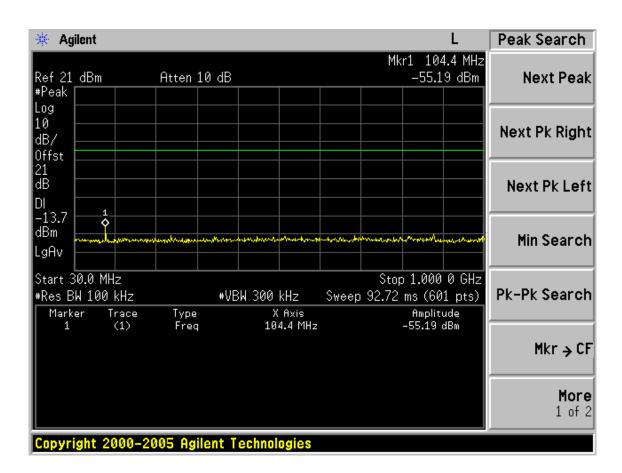


Test CH11: 2462MHz

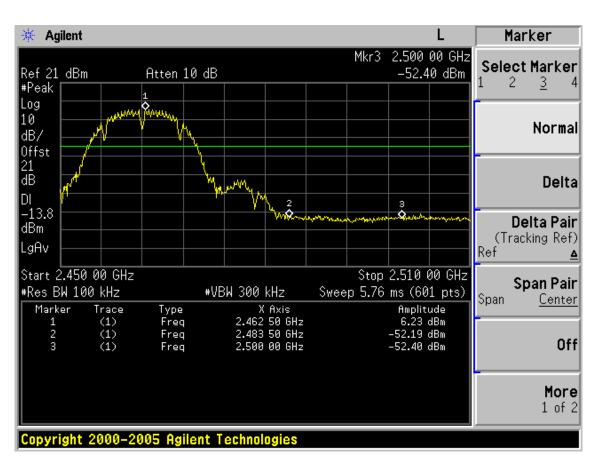






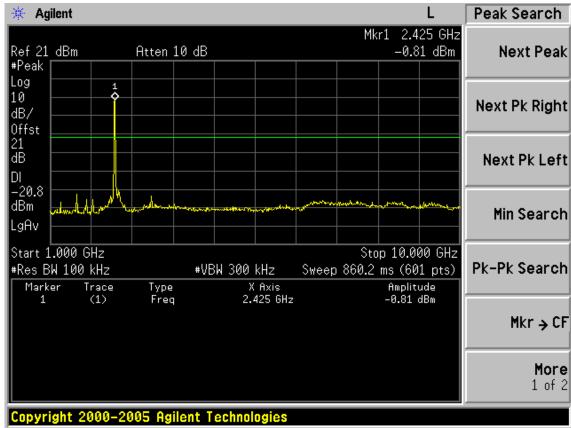




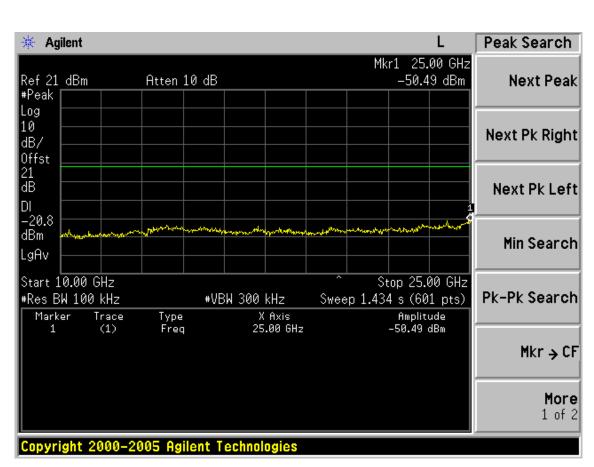


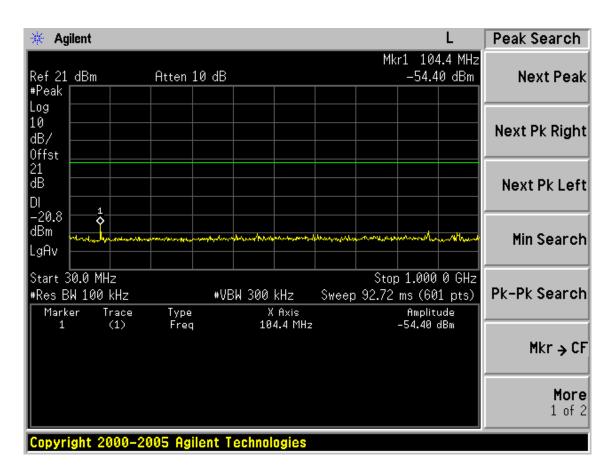
Test Mode: IEEE 802.11g TX

Test CH1: 2412MHz





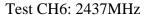


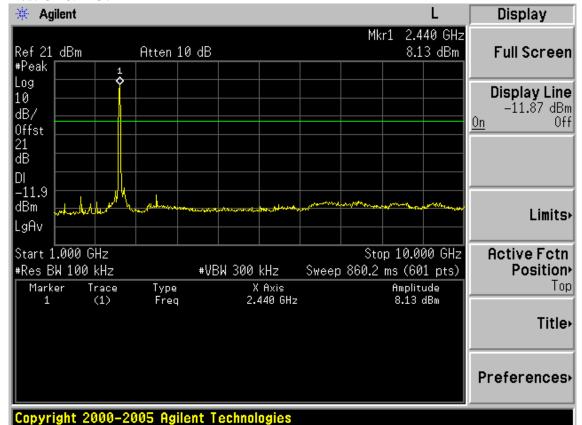




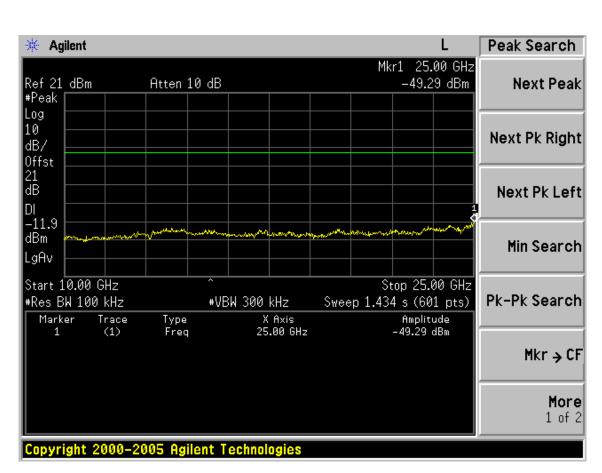
FCC ID:YZKSMCWBR14SN5V2

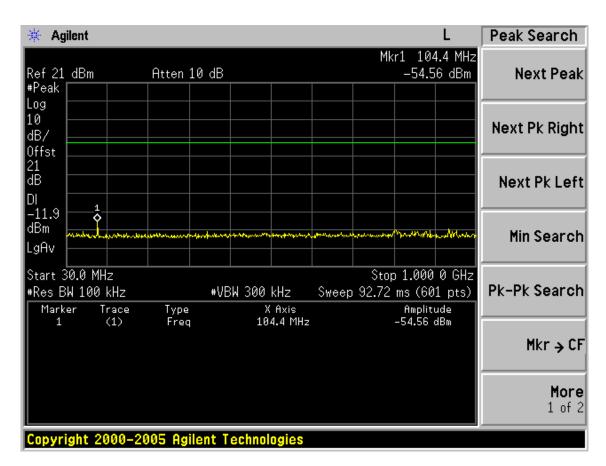
Agilent Display Mkr1 2.415 8 GHz 0.93 dBm Ref 21 dBm Atten 10 dB **Full Screen** #Peak Log 1 Display Line MANA 10 -19.07 dBm dB/ <u>0n</u> Off Offst 21 dB DI -19.1 dBm Limits> LgAv Start 2.310 0 GHz Stop 2.425 0 GHz **Active Fctn** #Res BW 100 kHz #VBW 300 kHz Sweep 11 ms (601 pts) Position P X Axis 2.415 8 GHz 2.390 0 GHz 2.400 0 GHz Тор Amplitude 0.93 dBm -46.75 dBm Marker Type Freq Trace (1) (1) Freq Title> -31.68 dBm (1) Freq Preferences+ Copyright 2000-2005 Agilent Technologies







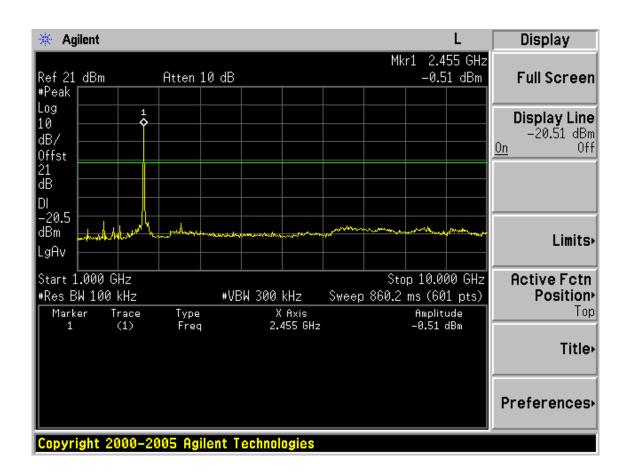




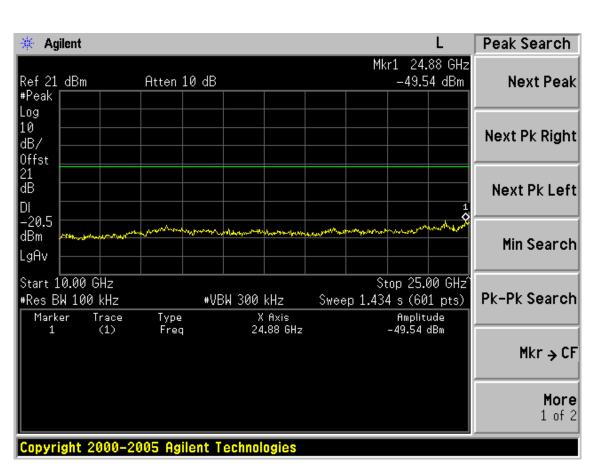


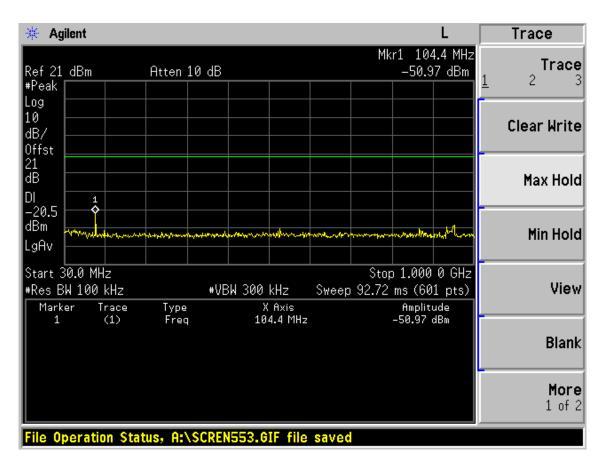
FCC ID: YZKSMCWBR14SN5V2 page 5-11 Test CH11: 2462MHz 🔆 Aailent Display Mkr1 2.467 00 GHz Ref 21 dBm Atten 10 dB -0.24 dBm **Full Screen** #Peak Log Display Line Ż. 10 -20.24 dBm dB/ Off <u>0n</u> Offst 21 ďΒ -20.2dBm Limits. LgAv Start 2.450 00 GHz Stop 2.510 00 GHz **Active Fctn** #Res BW 100 kHz Sweep 5.76 ms (601 pts) Position P #VBW 300 kHz X Axis 2.467 00 GHz 2.483 50 GHz Amplitude -0.24 dBm -49.39 dBm Marker Trace Type Freq Top (1) (1) 1 Freq Title> (1) Freq 2.500 00 GHz -53.00 dBm Preferences+

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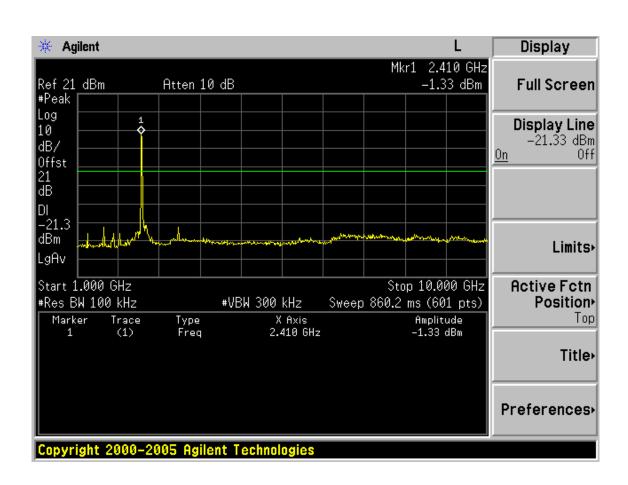




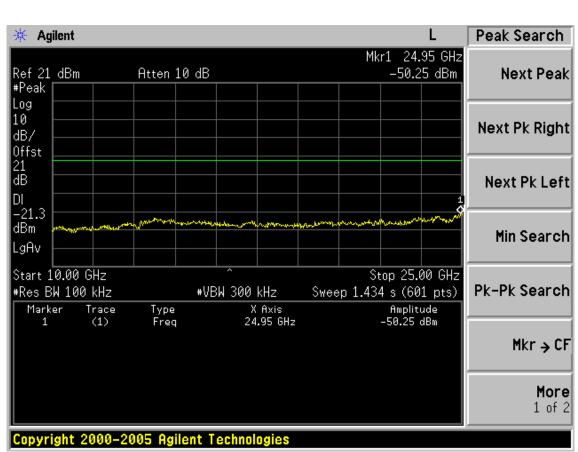


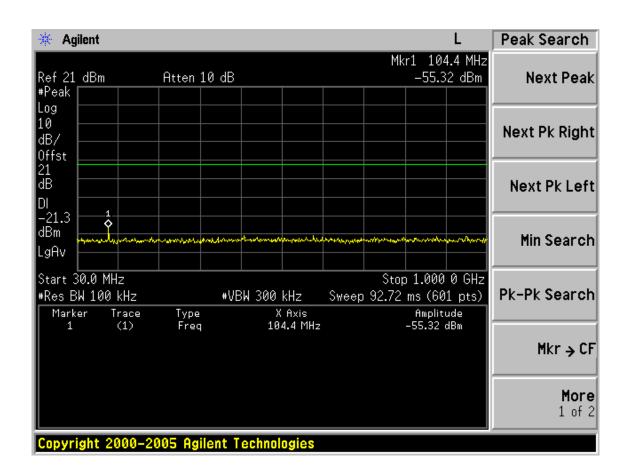
FCC ID:YZKSMCWBR14SN5V2 Test Mode: IEEE 802.11n HT20 TX Test CH1: 2412MHz 🔆 Agilent Display 2.415 8 GHz 0.04 dBm Ref 21 dBm Atten 10 dB **Full Screen** #Peak Log jnny prin Display Line 10 -19.96 dBm dB/ Off <u>0n</u> Offst. 21 dB DΙ -20.0 dBm Limits> LgAv Start 2.310 0 GHz Stop 2.425 0 GHz **Active Fctn** #Res BW 100 kHz Position^{*} #VBW 300 kHz Sweep 11 ms (601 pts) X Axis 2.415 8 GHz 2.390 0 GHz 2.400 0 GHz Top Marker Type Freq Trace Amplitude (1) (1) 0.04 dBm 123 -47.47 dBm -35.07 dBm Freq Title> (1) Freq Preferences >

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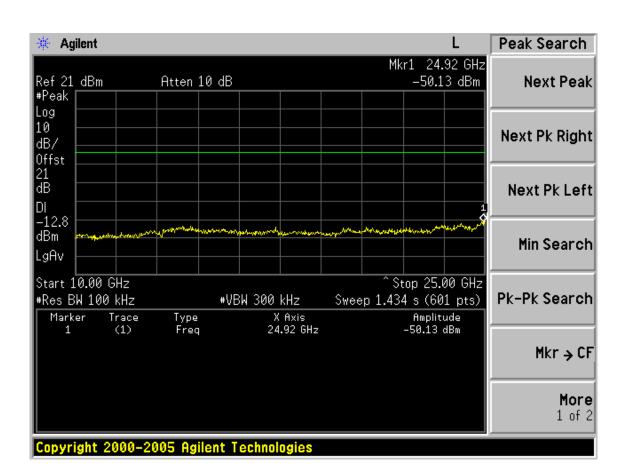




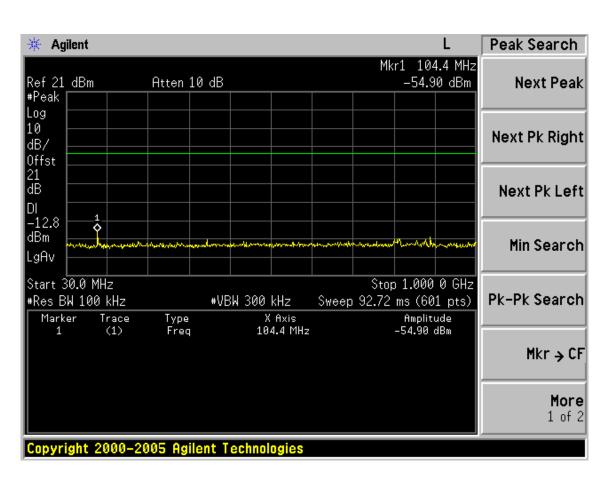
FCC ID:YZKSMCWBR14SN5V2

Test CH6: 2437MHz 🔆 Agilent Display Mkr1 2.440 GHz Ref 21 dBm Atten 10 dB 7.18 dBm **Full Screen** #Peak 1 **\Q** Log **Display Line** 10 -12.82 dBm dB/ Off <u>0n</u> Offst 21 dB -12**.**8 dBm Limits. LgAv Start 1.000 GHz Stop 10.000 GHz **Active Fctn** Sweep 860.2 ms (601 pts) Position P #Res BW 100 kHz #VBW 300 kHz X Axis 2.440 GHz Amplitude 7.18 dBm Marker Trace Type Freq Top (1) Title> Preferences+

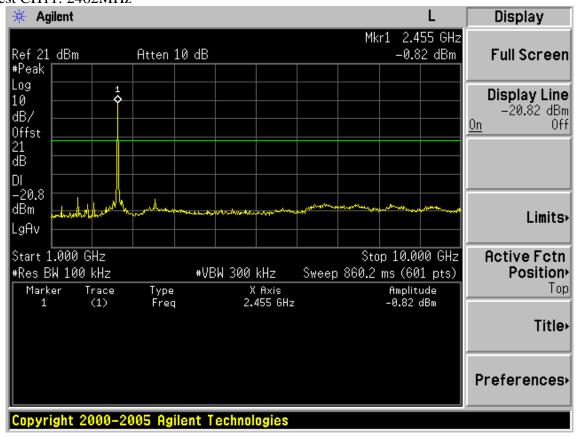
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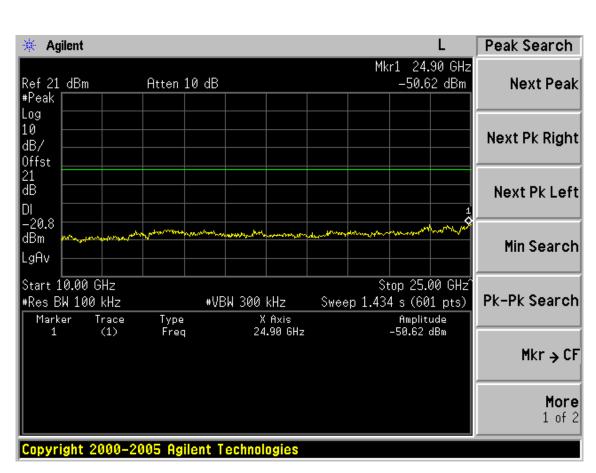


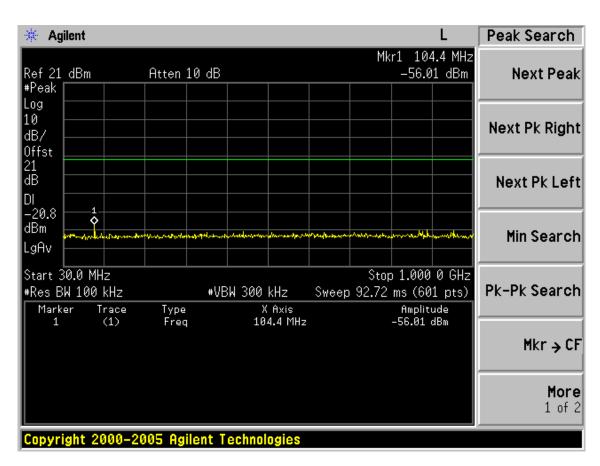


Test CH11: 2462MHz











FCC ID:YZKSMCWBR14SN5V2

Agilent Display Mkr3 2.500 00 GHz -52.52 dBm Ref 21 dBm Atten 10 dB **Full Screen** #Peak Log Display Line 10 -20.52 dBm dB/ <u>0n</u> Off Offst 21 dB DI 3 **♦** -20.5 dBm Limits. LgAv Start 2.450 00 GHz Stop 2.510 00 GHz **Active Fctn** #Res BW 100 kHz #VBW 300 kHz Sweep 5.76 ms (601 pts) Position P X Axis 2.467 00 GHz 2.483 50 GHz Amplitude -0.52 dBm -48.08 dBm Top Marker Type Freq Trace (1) (1) Freq Title> 2.500 00 GHz -52.52 dBm (1) Freq Preferences+

Test Mode: IEEE 802.11n HT40 TX

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Test CH1: 2422MHz

