

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Report No.: ATE20131791 Page 76 of 127

Tel:+86-0755-26503290 Fax:+86-0755-26503396

Site: 2# Chamber

Job No.: ALEN #1646

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

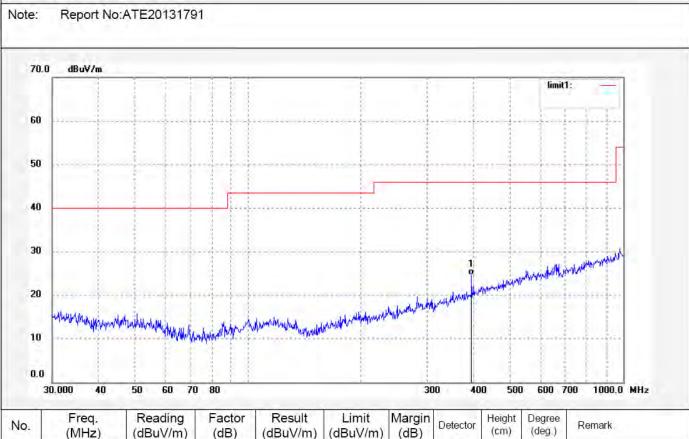
EUT: HOLL WIFI Disk
Mode: TX 2462MHz(802.11g)

Model: R220

Manufacturer: Wei Da Hui Er

Polarization: Vertical Power Source: DC 3.7V

Date: 2013/08/26 Time: 13:44:26 Engineer Signature: Distance: 3m





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Job No.: ALEN #1651

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: HOLL WIFI Disk

Mode: TX 2412MHz(802.11n20)

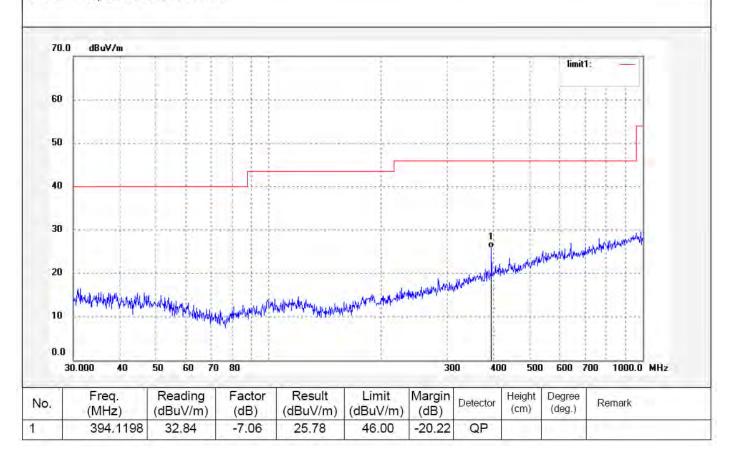
Model: R220

Manufacturer: Wei Da Hui Er

Note: Report No:ATE20131791

Polarization: Vertical Power Source: DC 3.7V

Date: 2013/08/26 Time: 13:48:37 Engineer Signature: Distance: 3m





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Job No.: ALEN #1652

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: HOLL WIFI Disk

Mode: TX 2412MHz(802.11n20)

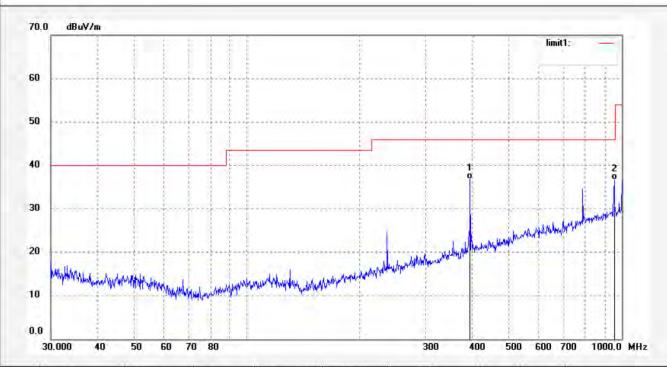
Model: R220

Manufacturer: Wei Da Hui Er

Note: Report No:ATE20131791

Polarization: Horizontal Power Source: DC 3.7V

Date: 2013/08/26 Time: 13:49:27 Engineer Signature: Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	394.1199	43.92	-7.06	36.86	46.00	-9.14	QP				
2	955.3509	34.39	2.29	36.68	46.00	-9.32	QP				



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Polarization: Horizontal Power Source: DC 3.7V

Date: 2013/08/26 Time: 13:50:29 Engineer Signature: Distance: 3m

Job No.: ALEN #1653

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

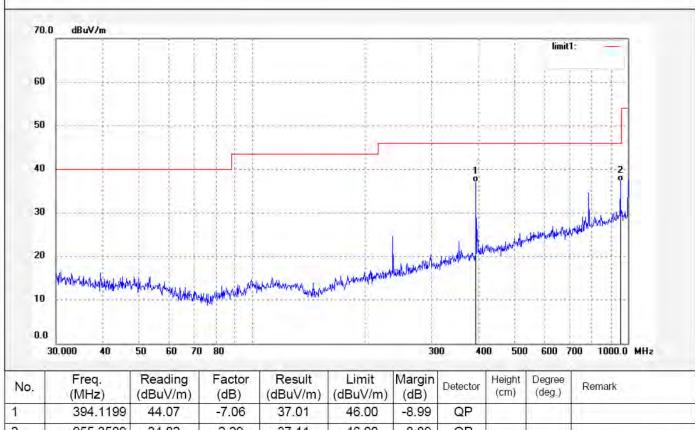
Temp.( C)/Hum.(%) 23 C / 48 %

EUT: HOLL WIFI Disk Mode: TX 2437MHz(802.11n20)

Model: R220

Manufacturer: Wei Da Hui Er

Report No:ATE20131791 Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	394.1199	44.07	-7.06	37.01	46.00	-8.99	QP		1 = 1		
2	955.3509	34.82	2.29	37.11	46.00	-8.89	QP				



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Job No.: ALEN #1654

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: HOLL WIFI Disk

Mode: TX 2437MHz(802.11n20)

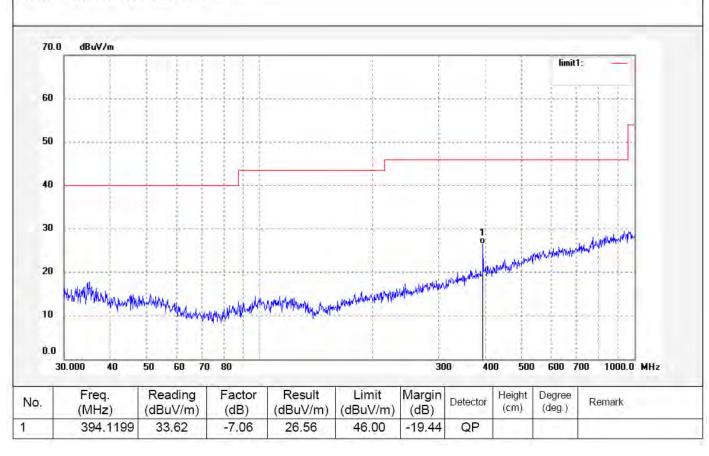
Model: R220

Manufacturer: Wei Da Hui Er

Note: Report No:ATE20131791

Polarization: Vertical Power Source: DC 3.7V

Date: 2013/08/26 Time: 13:51:07 Engineer Signature: Distance: 3m





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Job No.: ALEN #1655

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

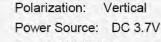
EUT: HOLL WIFI Disk

Mode: TX 2462MHz(802.11n20)

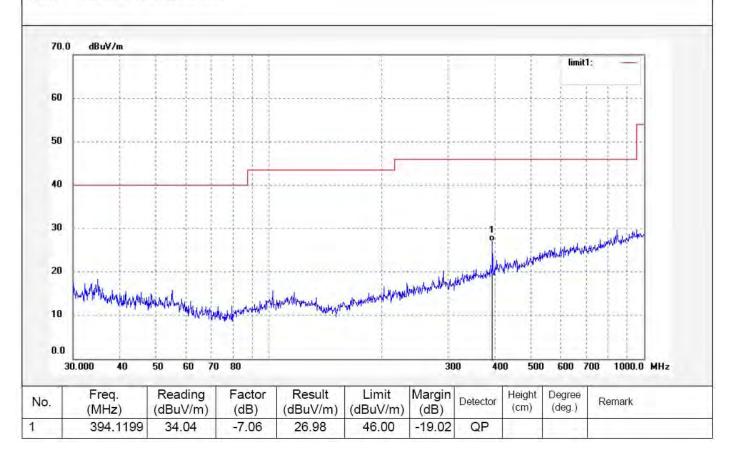
Model: R220

Manufacturer: Wei Da Hui Er

Note: Report No:ATE20131791



Date: 2013/08/26 Time: 13:51:44 Engineer Signature: Distance: 3m





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Site: 2# Chamber

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Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: ALEN #1656

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: HOLL WIFI Disk
Mode: TX 2462MHz(802.11n20)

Model: R220

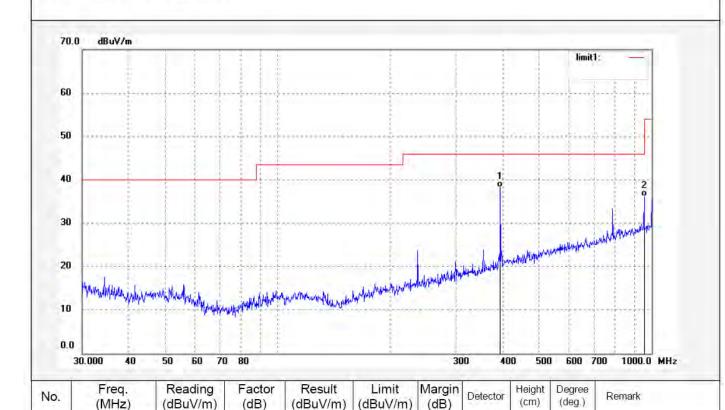
Manufacturer: Wei Da Hui Er

Note: Report No:ATE20131791

Polarization: Horizontal Power Source: DC 3.7V

Date: 2013/08/26 Time: 13:52:32 Engineer Signature:

Distance: 3m



46.00

46.00

-7.69

-9.81

QP

QP

38.31

36.19

-7.06

2.29

1

2

394.1199

955.3509

45.37

33.90



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Job No.: ALEN #1661

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: HOLL WIFI Disk

Mode: TX 2422MHz(802.11n40)

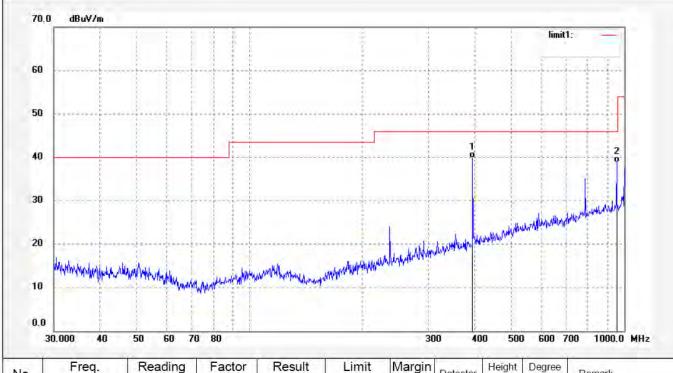
Model: R220

Manufacturer: Wei Da Hui Er

Note: Report No:ATE20131791

Polarization: Horizontal Power Source: DC 3.7V

Date: 2013/08/26
Time: 16:41:02
Engineer Signature:
Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	394.1199	46.88	-7.06	39.82	46.00	-6.18	QP				
2	955.3509	36.53	2.29	38.82	46.00	-7.18	QP				



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Job No.: ALEN #1662

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: HOLL WIFI Disk

Mode: TX 2422MHz(802.11n40)

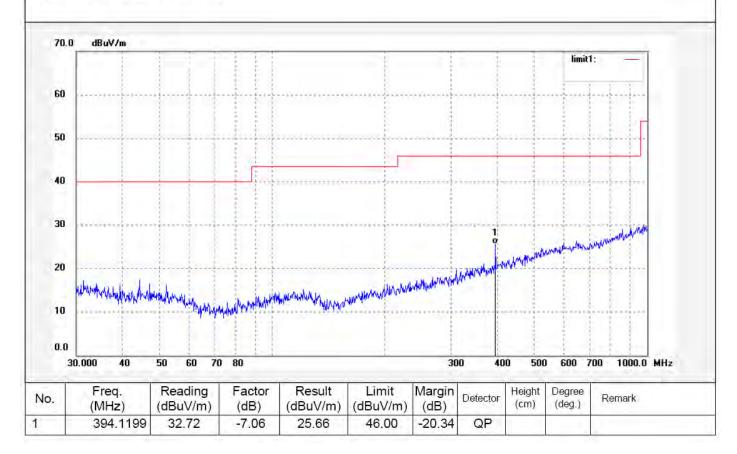
Model: R220

Manufacturer: Wei Da Hui Er

Note: Report No:ATE20131791

Polarization: Vertical Power Source: DC 3.7V

Date: 2013/08/26 Time: 16:42:00 Engineer Signature: Distance: 3m





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Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: ALEN #1659

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: HOLL WIFI Disk

Mode: TX 2437MHz(802.11n40)

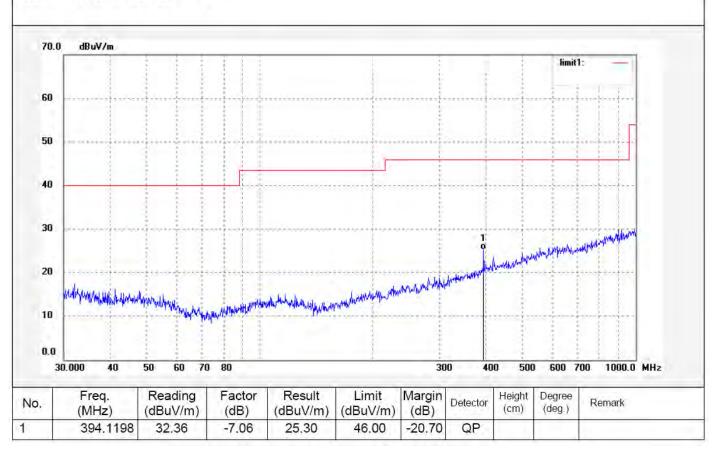
Model: R220

Manufacturer: Wei Da Hui Er

Report No:ATE20131791

Polarization: Vertical Power Source: DC 3.7V

Date: 2013/08/26 Time: 16:39:12 Engineer Signature: Distance: 3m





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Job No.: ALEN #1660

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: HOLL WIFI Disk

Mode: TX 2437MHz(802.11n40)

Model: R220

Manufacturer: Wei Da Hui Er

Note: Report No:ATE20131791

Polarization: Horizontal Power Source: DC 3.7V

Date: 2013/08/26 Time: 16:40:02 Engineer Signature:

Distance: 3m

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60					<			
							limit1:	

No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	394.1199	43.92	-7.06	36.86	46.00	-9.14	QP				
2	955.3509	35.05	2.29	37.34	46.00	-8.66	QP				



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Job No.: ALEN #1658

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: HOLL WIFI Disk
Mode: TX 2452MHz(802.11n40)

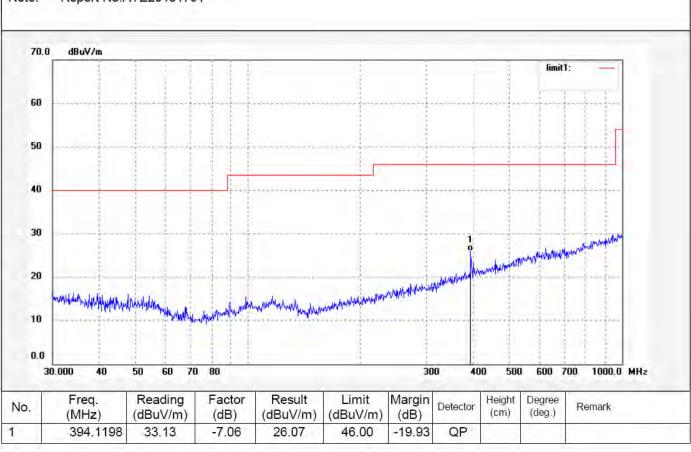
Model: R220

Manufacturer: Wei Da Hui Er

Note: Report No:ATE20131791

Polarization: Vertical Power Source: DC 3.7V

Date: 2013/08/26 Time: 16:37:58 Engineer Signature: Distance: 3m





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Job No.: ALEN #1657

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: HOLL WIFI Disk

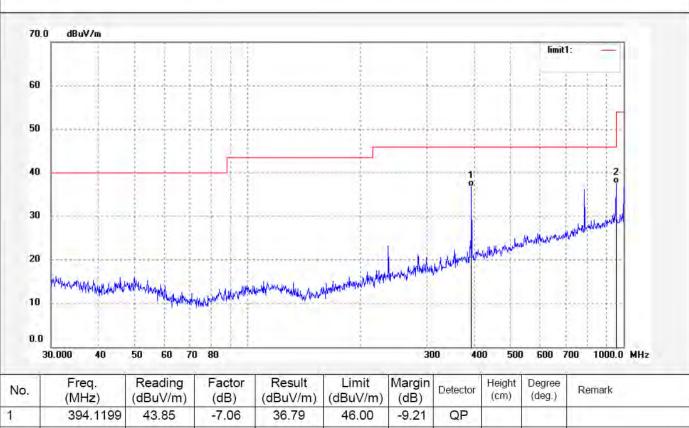
Mode: TX 2452MHz(802.11n40)

Model: R220

Manufacturer: Wei Da Hui Er

Note: Report No:ATE20131791 Polarization: Horizontal Power Source: DC 3.7V

Date: 2013/08/26 Time: 16:36:42 Engineer Signature: Distance: 3m





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#### Above 1G



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Job No.: alen #1409

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: HOLL WIFI Disk
Mode: TX 2412MHz(802.11b)

Model: R220

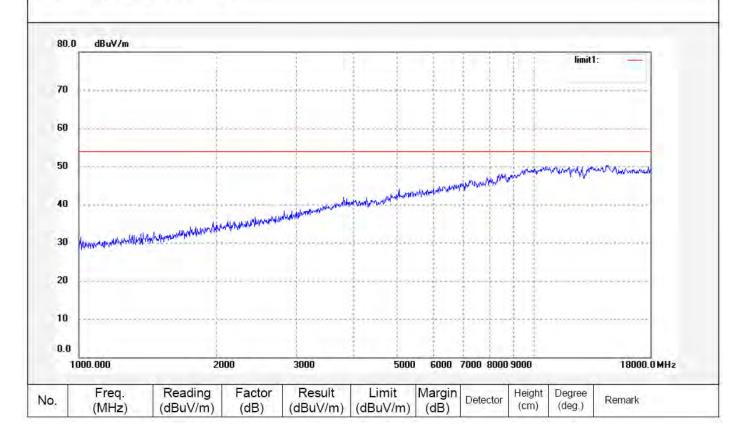
Note:

Manufacturer: WEI DA HUI ER

Report No:ATE20131791

Polarization: Vertical
Power Source: DC 3.7V
Date: 13/08/29/

Time: 9/33/43
Engineer Signature:
Distance: 3m





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Job No.: alen #1410

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: HOLL WIFI Disk
Mode: TX 2412MHz(802.11b)

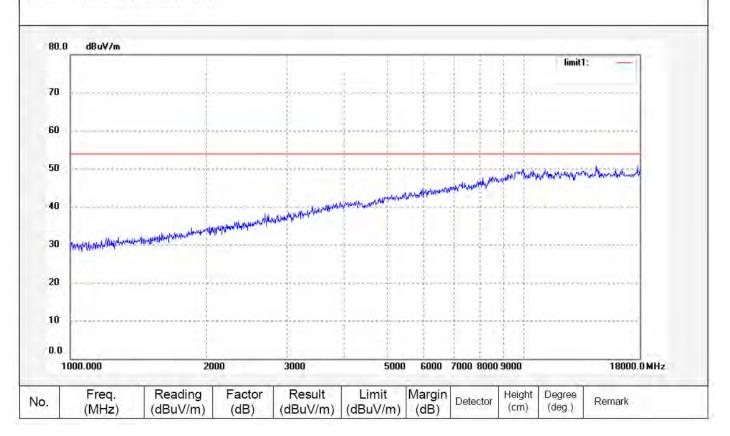
Model: R220

Manufacturer: WEI DA HUI ER

Note: Report No:ATE20131791

Polarization: Horizontal Power Source: DC 3.7V

Date: 13/08/29/ Time: 9/34/26 Engineer Signature: Distance: 3m





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Site: 1# Chamber

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Job No.: alen #1411

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: HOLL WIFI Disk
Mode: TX 2437MHz(802.11b)

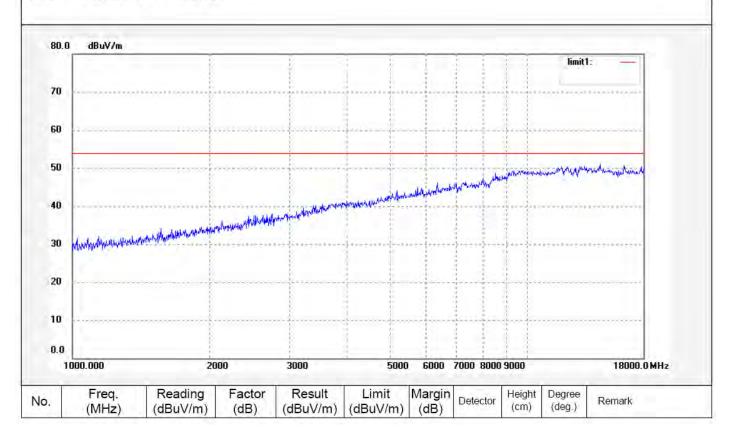
Model: R220

Manufacturer: WEI DA HUI ER

Note: Report No:ATE20131791

Polarization: Vertical Power Source: DC 3.7V

Date: 13/08/29/ Time: 9/35/54 Engineer Signature: Distance: 3m





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Job No.: alen #1412

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: HOLL WIFI Disk
Mode: TX 2437MHz(802.11b)

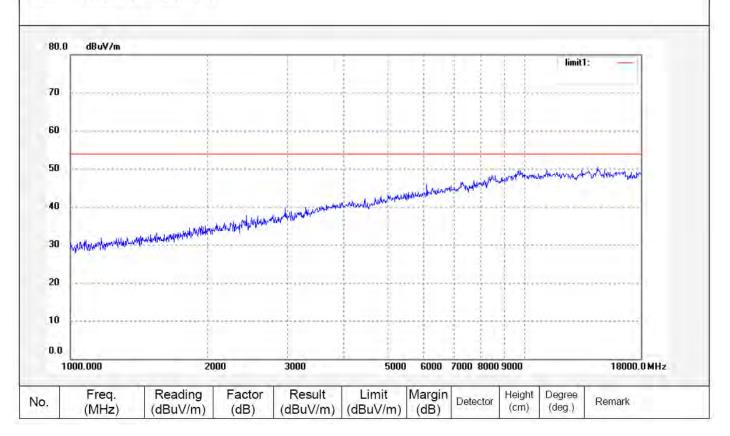
Model: R220

Manufacturer: WEI DA HUI ER

Note: Report No:ATE20131791

Polarization: Horizontal Power Source: DC 3.7V

Date: 13/08/29/ Time: 9/36/32 Engineer Signature: Distance: 3m





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Job No.: alen #1413

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: HOLL WIFI Disk Mode: TX 2462MHz(802.11b)

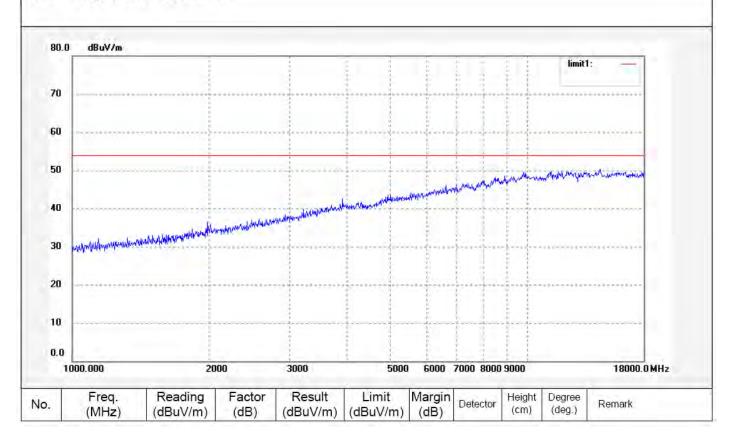
Model: R220

Manufacturer: WEI DA HUI ER

Note: Report No:ATE20131791 Power Source: DC 3.7V Date: 13/08/29/

Polarization: Vertical

Time: 9/38/18 Engineer Signature: Distance: 3m





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Job No.: alen #1414

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: HOLL WIFI Disk
Mode: TX 2462MHz(802.11b)

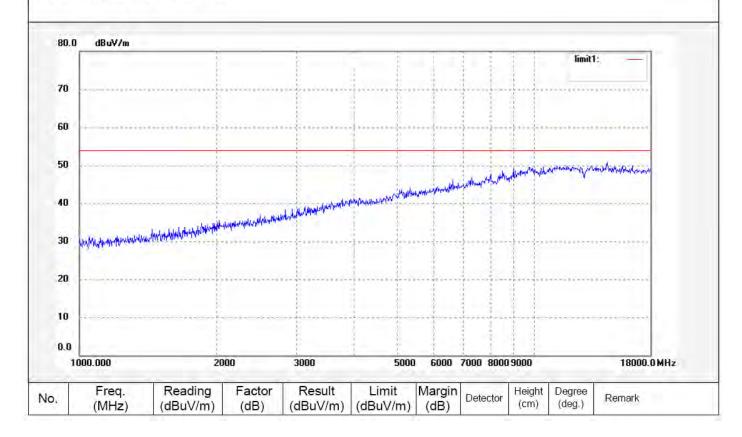
Model: R220

Manufacturer: WEI DA HUI ER

Note: Report No:ATE20131791

Polarization: Horizontal Power Source: DC 3.7V

Date: 13/08/29/ Time: 9/38/54 Engineer Signature: Distance: 3m





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Report No.: ATE20131791

Job No.: alen #1407

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: HOLL WIFI Disk
Mode: TX 2412MHz(802.11g)

Model: R220

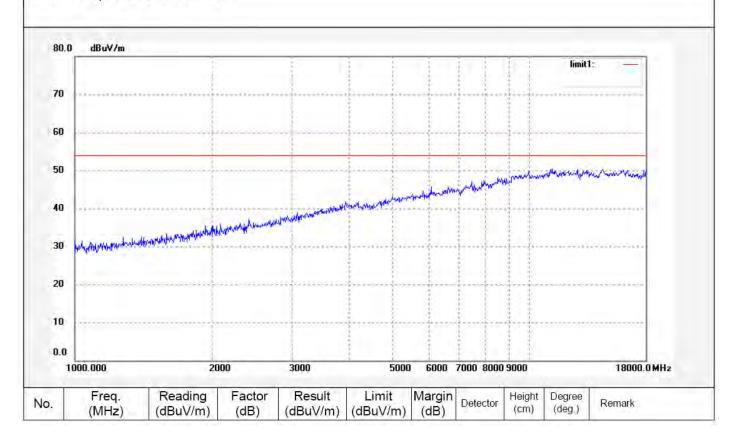
Manufacturer: WEI DA HUI ER

Note: Report No:ATE20131791

Polarization: Vertical Power Source: DC 3.7V

Date: 13/08/29/ Time: 9/31/48 Engineer Signature:

Distance: 3m





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Site: 1# Chamber Tel:+86-0755-26503290

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Job No.: alen #1408

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

HOLL WIFI Disk EUT: Mode: TX 2412MHz(802.11g)

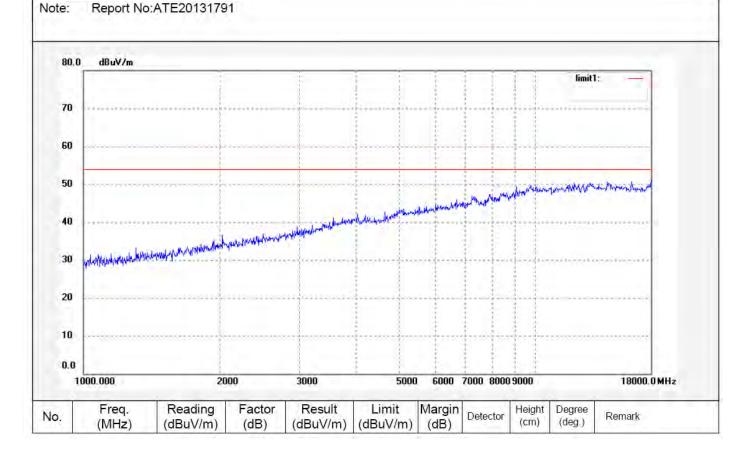
Model: R220

Manufacturer: WEI DA HUI ER

Polarization: Horizontal Power Source: DC 3.7V

Date: 13/08/29/ Time: 9/32/21 Engineer Signature:

Distance: 3m





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Job No.: alen #1405

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: HOLL WIFI Disk
Mode: TX 2437MHz(802.11g)

Model: R220

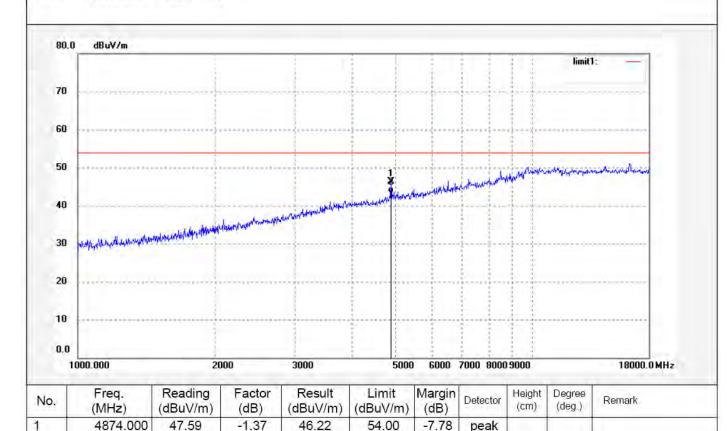
Manufacturer: WEI DA HUI ER

Note: Report No:ATE20131791

Polarization: Vertical
Power Source: DC 3.7V

Date: 13/08/29/ Time: 9/29/14 Engineer Signature:

Distance: 3m



54.00

-10.72

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44.65

-1.37

43,28



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Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: alen #1406 Polarization: Horizontal Standard: FCC Class B 3M Radiated Power Source: DC 3.7V

Date: 13/08/29/ Time: 9/30/01

EUT: HOLL WIFI Disk Engineer Signature: Mode: TX 2437MHz(802.11g) Distance: 3m

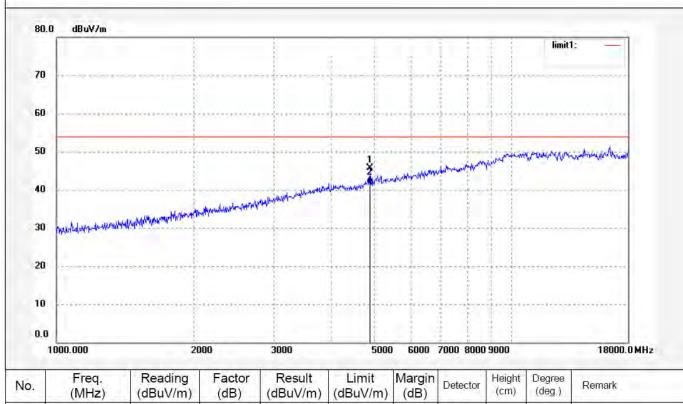
Model: R220

Manufacturer: WEI DA HUI ER

Test item: Radiation Test

Note: Report No:ATE20131791

Temp.( C)/Hum.(%) 25 C / 55 %



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	4874.000	47.03	-1.33	45.70	54.00	-8.30	peak			I	
2	4874.000	43.04	-1.33	41.71	54.00	-12.29	AVG				



Site: 1# Chamber Tel:+86-0755-26503290

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F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China

Job No.: alen #1403

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: HOLL WIFI Disk Mode: TX 2462MHz(802.11g)

Model: R220

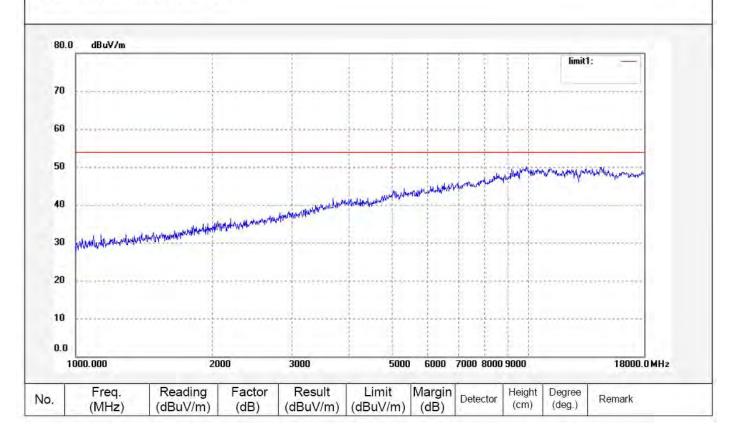
Manufacturer: WEI DA HUI ER

Note: Report No:ATE20131791

Polarization: Vertical Power Source: DC 3.7V

Date: 13/08/29/ Time: 9/27/11

Engineer Signature: Distance: 3m





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Job No.: alen #1404

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: HOLL WIFI Disk
Mode: TX 2462MHz(802.11g)

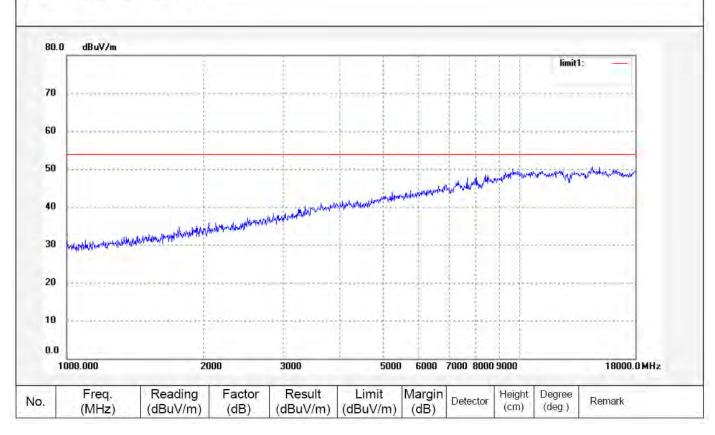
Model: R220

Manufacturer: WEI DA HUI ER

Note: Report No:ATE20131791

Polarization: Horizontal Power Source: DC 3.7V Date: 13/08/29/

Time: 9/27/45
Engineer Signature:
Distance: 3m





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Polarization:

Date: 13/08/29/ Time: 9/20/58

Distance: 3m

Engineer Signature:

Power Source: DC 3.7V

Vertical

Site: 1# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Report No.: ATE20131791

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Job No.: alen #1397

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

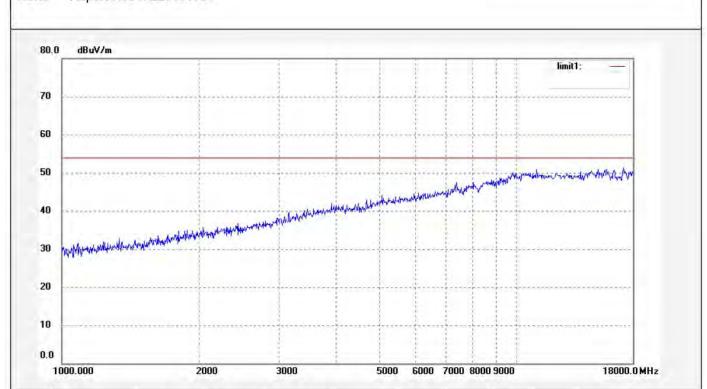
EUT: HOLL WIFI Disk

Mode: TX 2412MHz(802.11n)20MHz

Model: R220

Manufacturer: WEI DA HUI ER

Note: Report No:ATE20131791



Limit

(dBuV/m)

Margin

(dB)

Height

(cm)

Detector

Degree

(deg.)

Remark

Freq.

(MHz)

No.

Factor

(dB)

Result

(dBuV/m)

Reading

(dBuV/m)



Site: 1# Chamber Tel:+86-0755-26503290 F1, Bldg, A, Changyuan New Material Port Keyuan Rd, Fax:+86-0755-26503396 Science & Industry Park, Nanshan Shenzhen, P.R. China

Job No.: alen #1398

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: HOLL WIFI Disk

Mode: TX 2412MHz(802.11n)20MHz

Model: R220

Manufacturer: WEI DA HUI ER

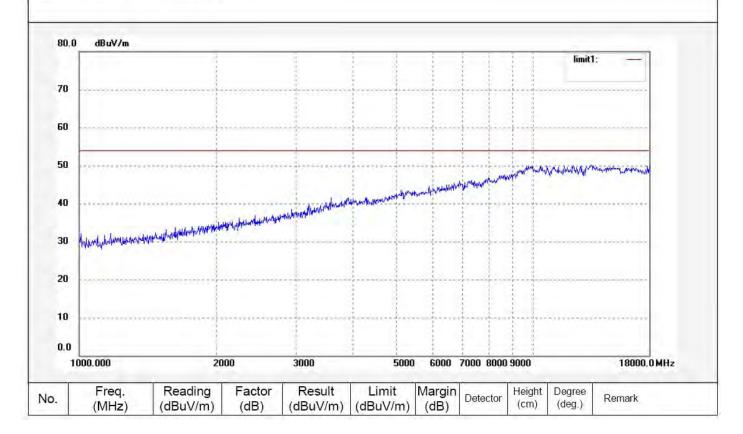
Report No:ATE20131791 Note:

Polarization: Horizontal Power Source: DC 3.7V

Report No.: ATE20131791

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Date: 13/08/29/ Time: 9/21/33 Engineer Signature: Distance: 3m





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Report No.: ATE20131791

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Job No.: alen #1399

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

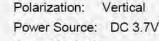
EUT: HOLL WIFI Disk

Mode: TX 2437MHz(802.11n)20MHz

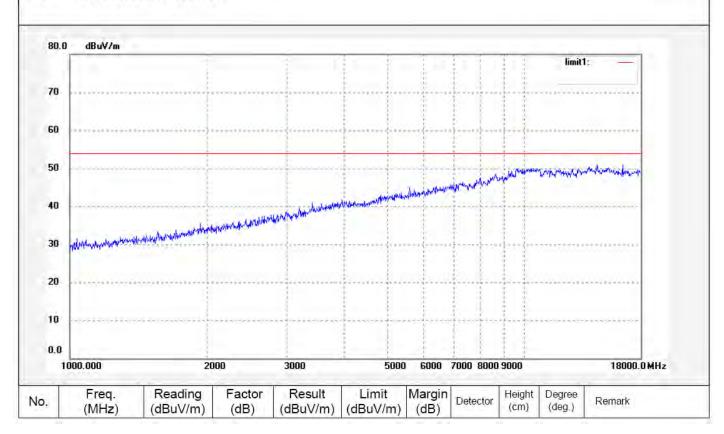
Model: R220

Manufacturer: WEI DA HUI ER

Note: Report No:ATE20131791



Date: 13/08/29/ Time: 9/22/58 Engineer Signature: Distance: 3m





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Report No.: ATE20131791

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Job No.: alen #1400

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: HOLL WIFI Disk

Mode: TX 2437MHz(802.11n)20MHz

Model: R220

Manufacturer: WEI DA HUI ER

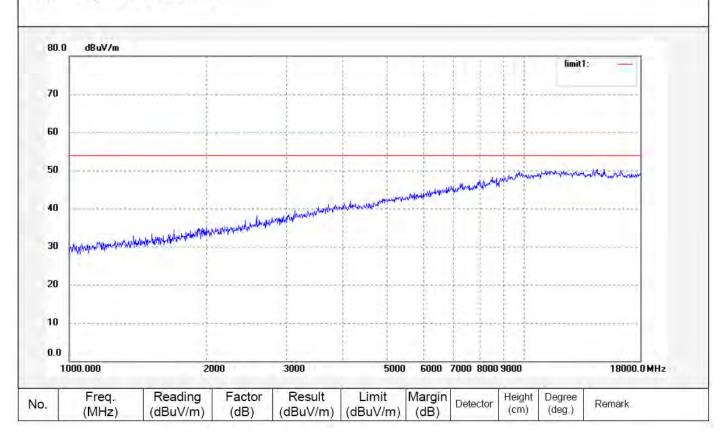
Note: Report No:ATE20131791

Power Source: DC 3.7V Date: 13/08/29/ Time: 9/23/42

Horizontal

Engineer Signature: Distance: 3m

Polarization:







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Fax:+86-0755-26503396

Report No.: ATE20131791

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Polarization: Vertical Power Source: DC 3.7V

Date: 13/08/29/ Time: 9/25/03 Engineer Signature:

Distance: 3m

Job No.: alen #1401

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

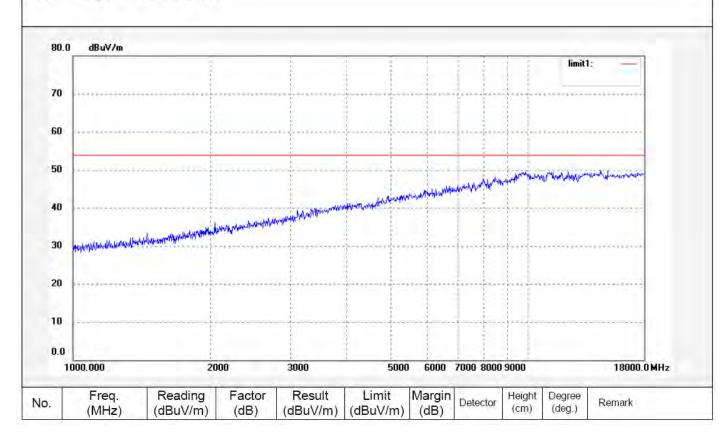
EUT: HOLL WIFI Disk

Mode: TX 2462MHz(802.11n)20MHz

Model: R220

Manufacturer: WEI DA HUI ER

Note: Report No:ATE20131791





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Report No.: ATE20131791

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Job No.: alen #1402

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

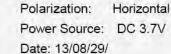
EUT: HOLL WIFI Disk

Mode: TX 2462MHz(802.11n)20MHz

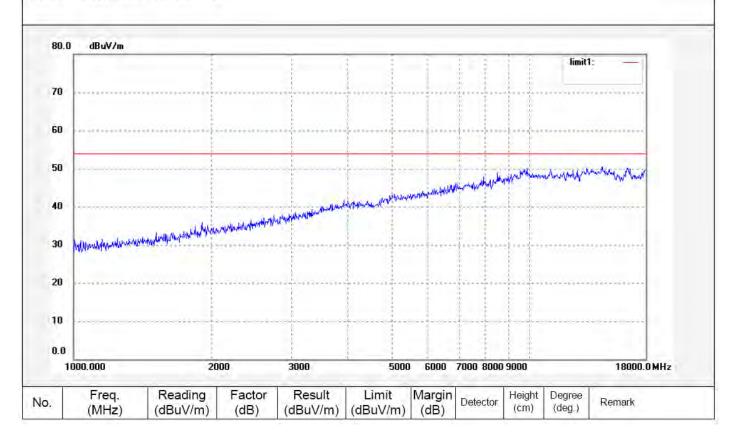
Model: R220

Manufacturer: WEI DA HUI ER

Note: Report No:ATE20131791



Date: 13/08/29/
Time: 9/25/40
Engineer Signature:
Distance: 3m





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Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.; alen #1391

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: HOLL WIFI Disk

Mode: TX 2422MHz(802.11n)40MHz

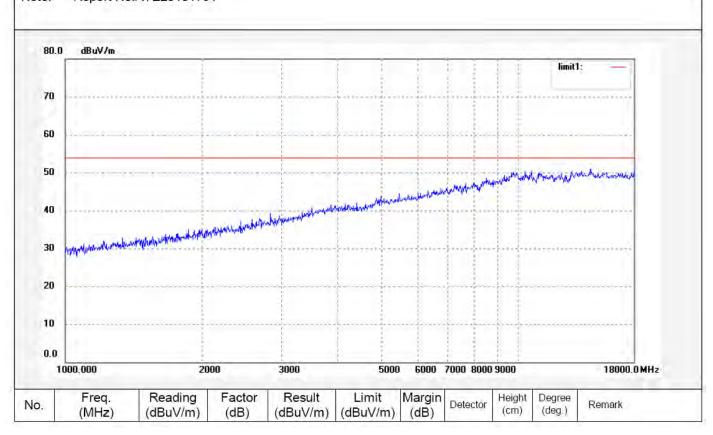
Model: R220

Manufacturer: WEI DA HUI ER

Note: Report No:ATE20131791

Polarization: Vertical Power Source: DC 3.7V

Date: 13/08/29/ Time: 9/06/24 Engineer Signature: Distance: 3m





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Job No.: alen #1392

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: HOLL WIFI Disk

Mode: TX 2422MHz(802.11n)40MHz

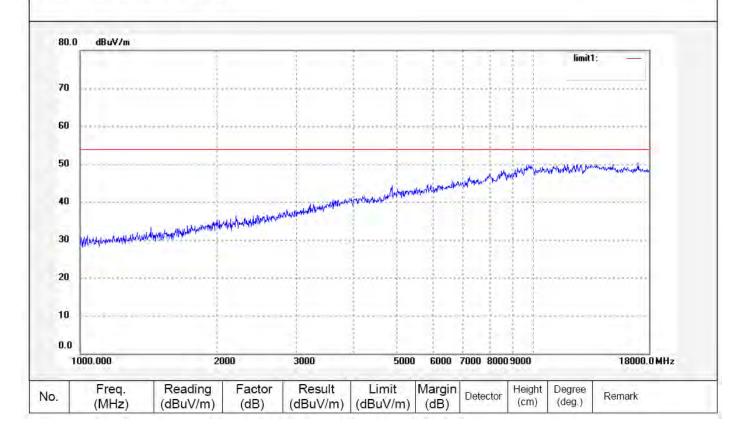
Model: R220

Manufacturer: WEI DA HUI ER

Note: Report No:ATE20131791

Polarization: Horizontal Power Source: DC 3.7V

Date: 13/08/29/ Time: 9/07/12 Engineer Signature: Distance: 3m





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Job No.: alen #1393

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: HOLL WIFI Disk

Mode: TX 2437MHz(802.11n)40MHz

Model: R220

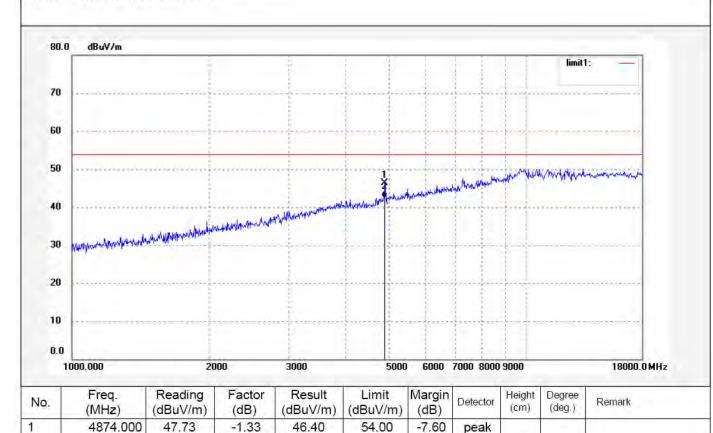
Manufacturer: WEI DA HUI ER

Note: Report No:ATE20131791

Polarization: Vertical Power Source: DC 3.7V

Date: 13/08/29/ Time: 9/09/01 Engineer Signature:

Distance: 3m



54.00

-11.46

AVG

2

4874.000

43.87

-1.33

42.54



Horizontal

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Job No.: alen #1394

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

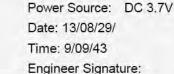
EUT: HOLL WIFI Disk

Mode: TX 2437MHz(802.11n)40MHz

Model: R220

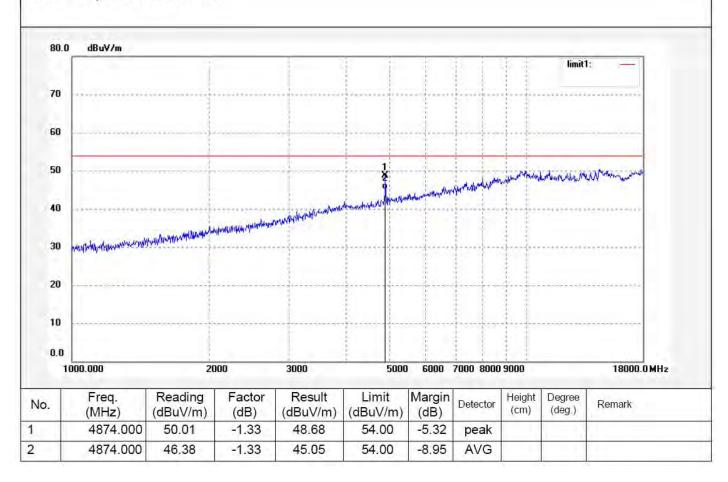
Manufacturer: WEI DA HUI ER

Note: Report No:ATE20131791



Polarization:

Distance: 3m





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Site: 1# Chamber

Report No.: ATE20131791

Tel:+86-0755-26503290 Fax:+86-0755-26503396



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Job No.: alen #1396

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

EUT: HOLL WIFI Disk

Mode: TX 2452MHz(802.11n)40MHz

Model: R220

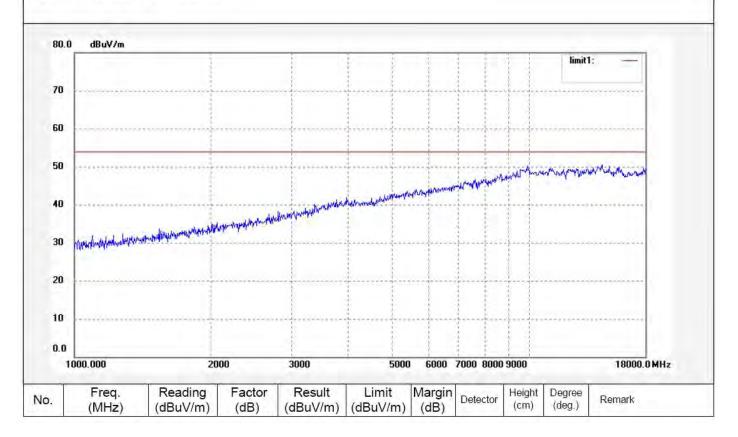
Manufacturer: WEI DA HUI ER

Note: Report No:ATE20131791

Polarization: Vertical Power Source: DC 3.7V

Date: 13/08/29/ Time: 9/12/45 Engineer Signature:

Distance: 3m







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Job No.: alen #1395

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 %

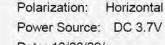
EUT: HOLL WIFI Disk

Mode: TX 2452MHz(802.11n)40MHz

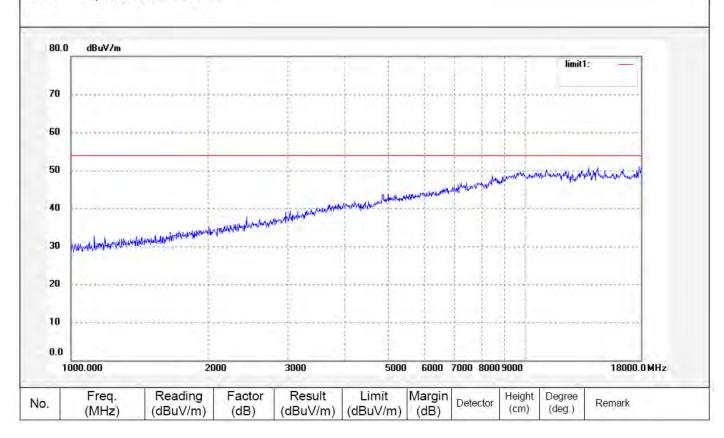
Model: R220

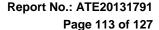
Manufacturer: WEI DA HUI ER

Note: Report No:ATE20131791



Date: 13/08/29/ Time: 9/11/22 Engineer Signature: Distance: 3m







### 11. CONDUCTED SPURIOUS EMISSION COMPLIANCE TEST

### 11.1.Block Diagram of Test Setup



## 11.2.The Requirement For Section 15.247(d)

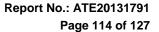
Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

# 11.3.EUT Configuration on Measurement

The equipment is installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

### 11.4. Operating Condition of EUT

- 11.4.1. Setup the EUT and simulator as shown as Section 11.1.
- 11.4.2. Turn on the power of all equipment.
- 11.4.3.Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.





11.5.Test Procedure

- 11.5.1. The transmitter output was connected to the spectrum analyzer via a low loss cable.
- 11.5.2.Set RBW of spectrum analyzer to 100kHz and VBW to 300kHz (below 1GHz).
- 11.5.3.Set RBW of spectrum analyzer to 1MHz and VBW to 3MHz (above 1GHz).
- 11.5.4. The Conducted Spurious Emission was measured and recorded.

## 11.6.Test Result

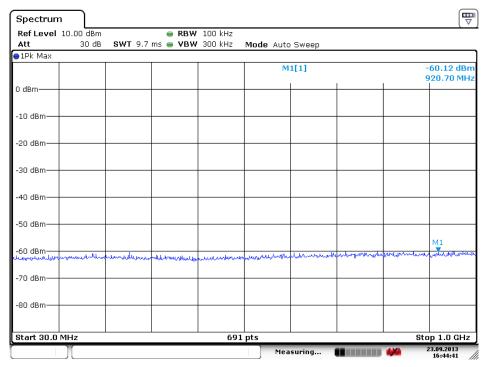
Pass.

The spectrum analyzer plots are attached as below.

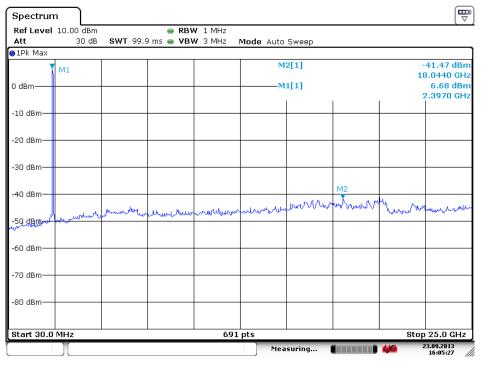
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### TX 802.11b Channel Low 2412MHz



Date: 23.SEP.2013 16:44:41

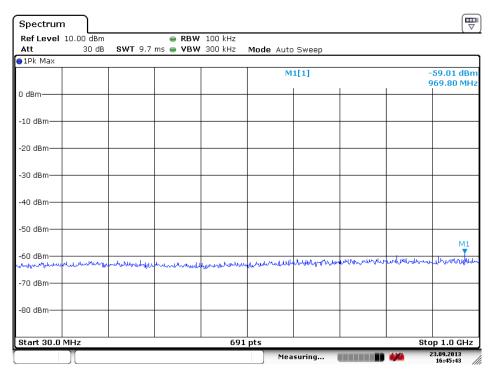


Date: 23.SEP.2013 16:05:26

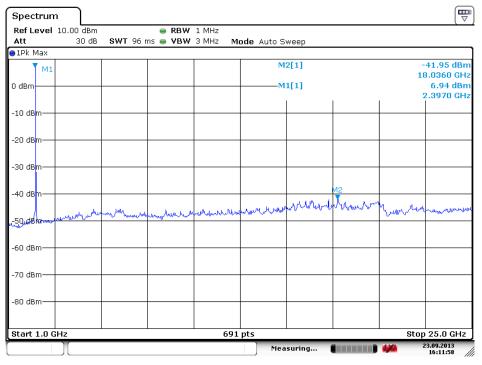
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### TX 802.11b Channel Middle 2437MHz



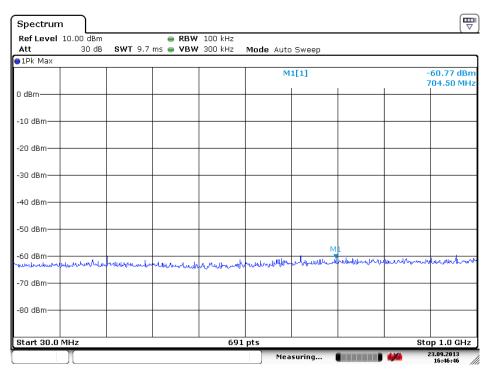
Date: 23.SEP.2013 16:45:43



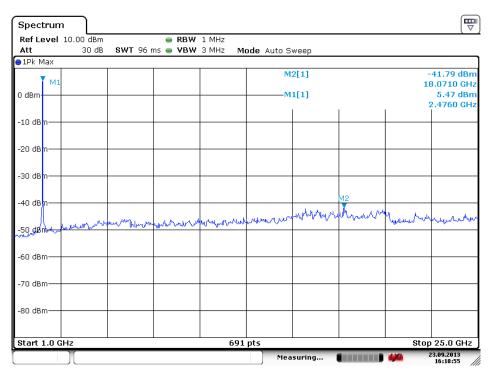
Date: 23.SEP.2013 16:11:58



# TX 802.11b Channel High 2462MHz



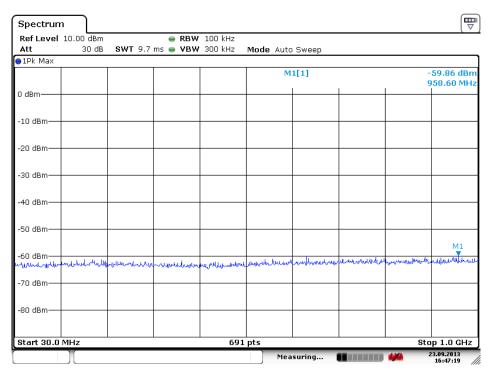
Date: 23.SEP.2013 16:46:46



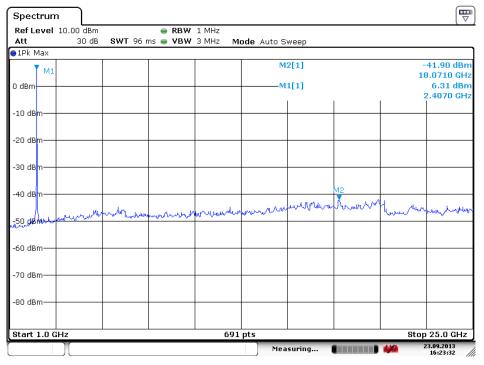
Date: 23.SEP.2013 16:18:55

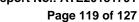


# TX 802.11g Channel Low 2412MHz



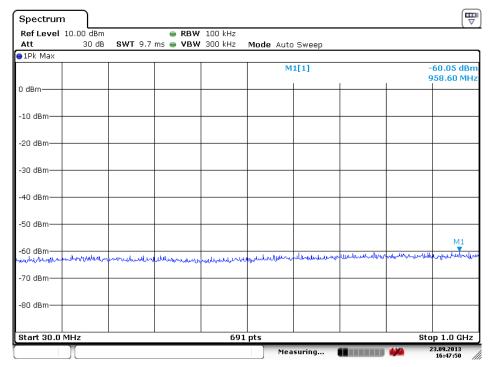
Date: 23.SEP.2013 16:47:19



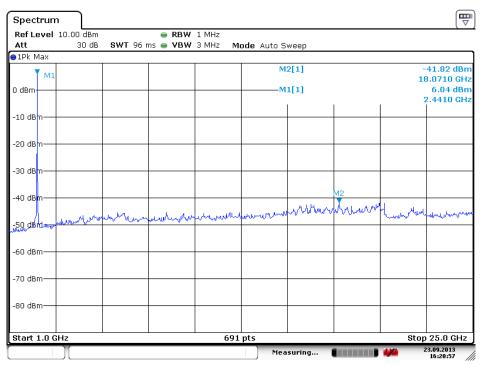




# TX 802.11g Channel Middle 2437MHz



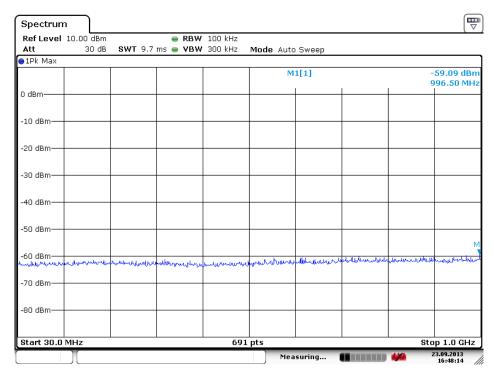
Date: 23.SEP.2013 16:47:50



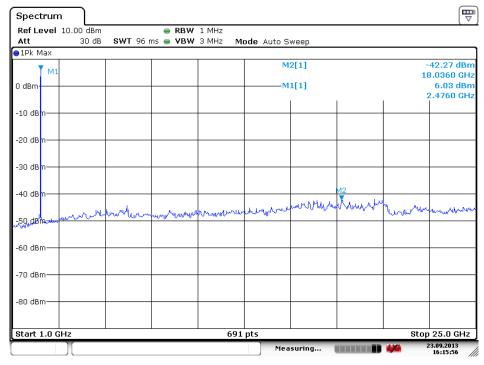
Date: 23.SEP.2013 16:20:57



# TX 802.11g Channel High 2462MHz



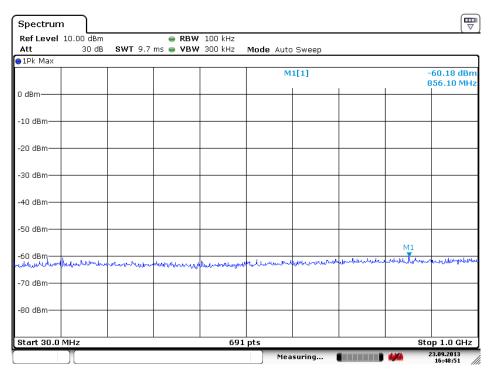
Date: 23.SEP.2013 16:48:15



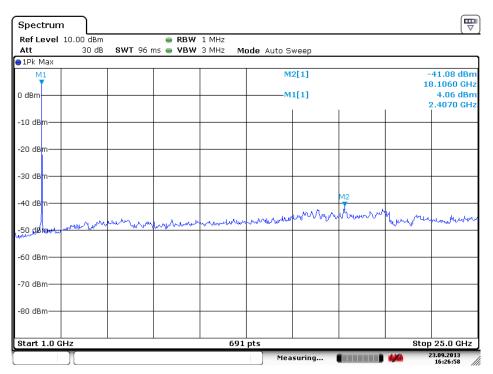
Date: 23.SEP.2013 16:15:56



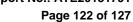
### TX 802.11n Channel Low 2412MHz (20MHz)



Date: 23.SEP.2013 16:48:51

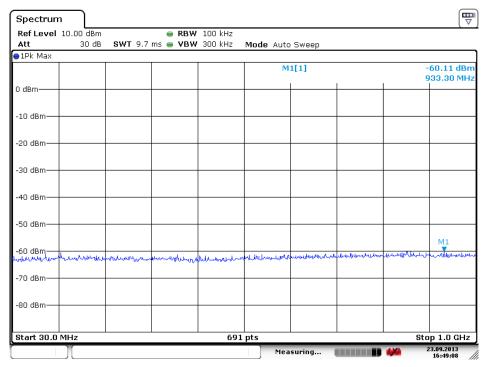


Date: 23.SEP.2013 16:26:58

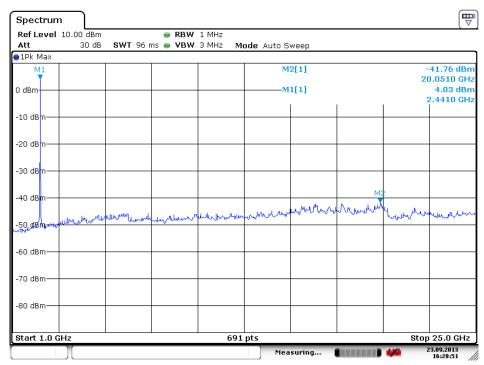




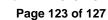
### TX 802.11n Channel Middle 2437MHz (20MHz)



Date: 23.SEP.2013 16:49:08

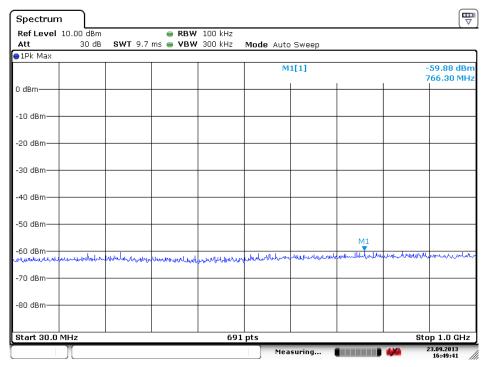


Date: 23.SEP.2013 16:28:51

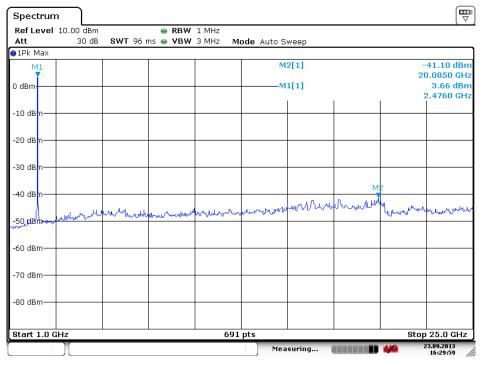




## TX 802.11n Channel High 2462MHz (20MHz)



Date: 23.SEP.2013 16:49:41

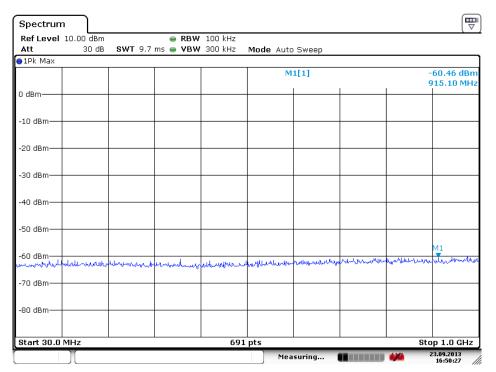


Date: 23.SEP.2013 16:29:59

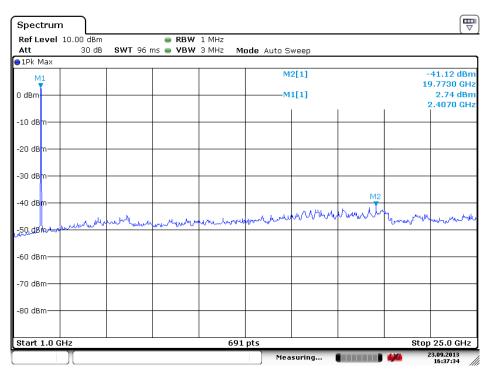




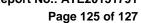
### TX 802.11n Channel Low 2422MHz (40MHz)



Date: 23.SEP.2013 16:50:27

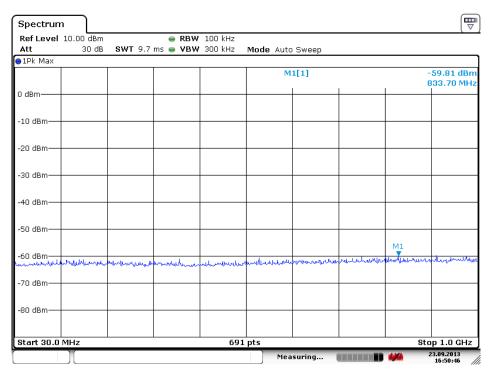


Date: 23.SEP.2013 16:37:34

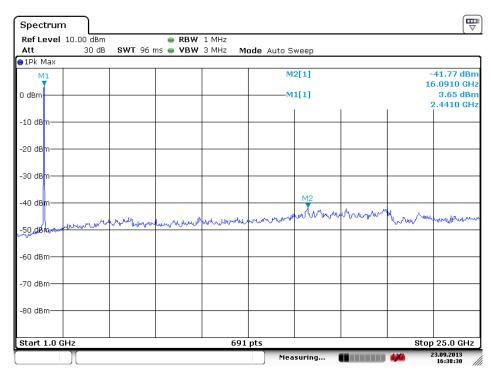




### TX 802.11n Channel Middle 2437MHz (40MHz)



Date: 23.SEP.2013 16:50:46

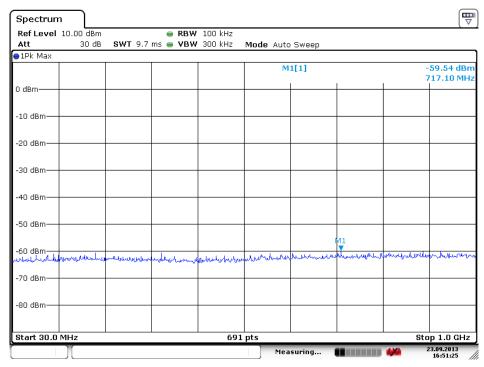


Date: 23.SEP.2013 16:38:30

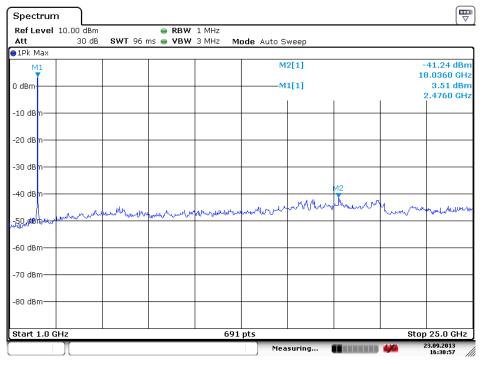




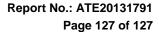
# **TX 802.11n Channel High 2452MHz (40MHz)**



Date: 23.SEP.2013 16:51:25



Date: 23.SEP.2013 16:30:57





12.ANTENNA REQUIREMENT

# 12.1.The Requirement

According to Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

## 12.2.Antenna Construction

Device is equipped with Ceramic antenna, which isn't displaced by other antenna. Therefore, the equipment complies with the antenna requirement of Section 15.203.

