



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

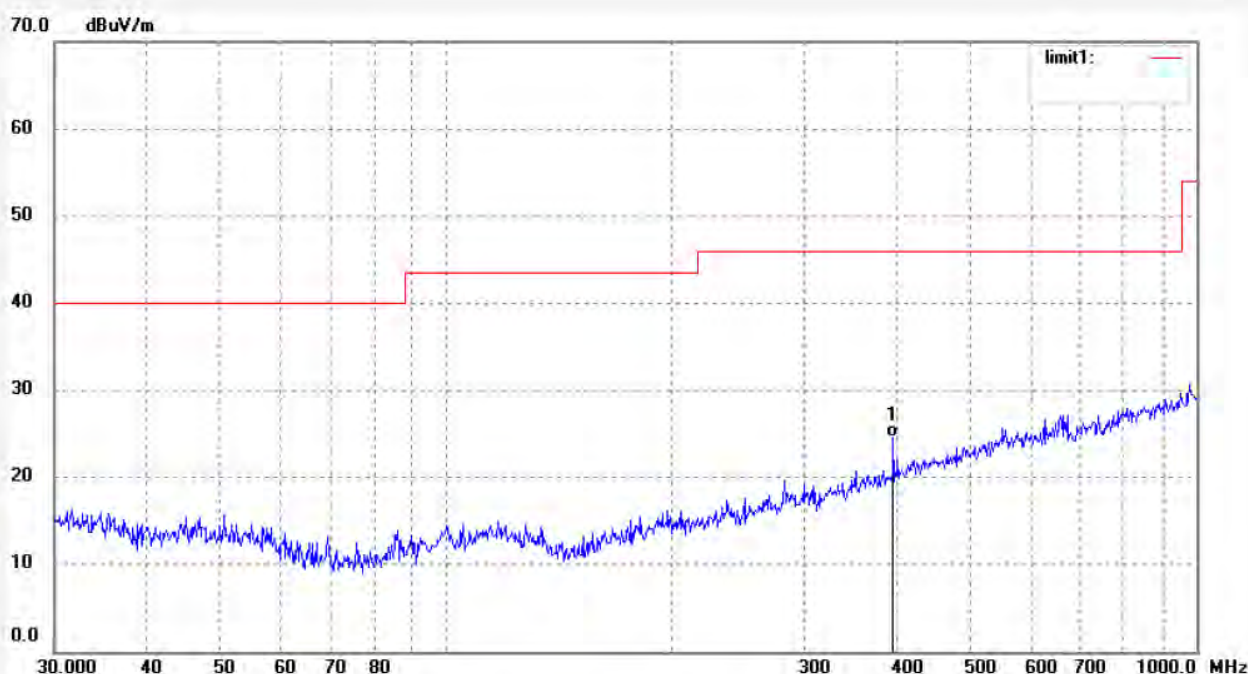
Tel:+86-0755-26503290

Fax:+86-0755-26503396

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

Note: Report No:ATE20131791



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	394.1198	31.65	-7.06	24.59	46.00	-21.41	QP			



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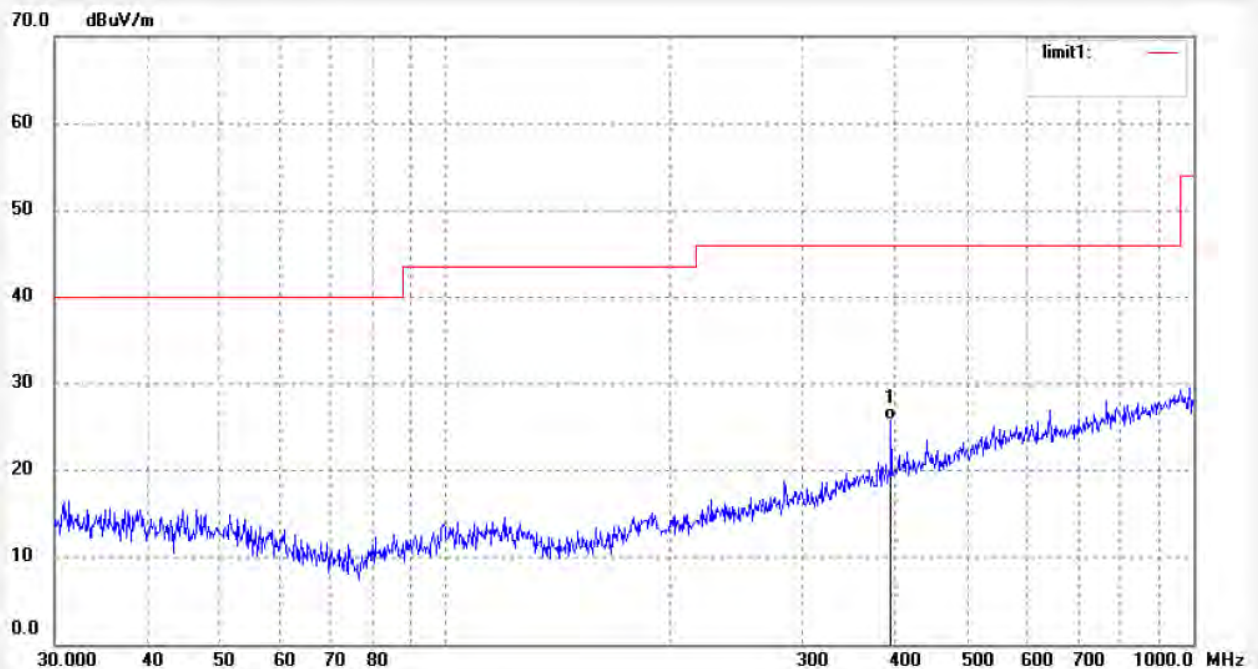
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

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

Polarization: Vertical
Power Source: DC 3.7V
Date: 2013/08/26
Time: 13:48:37
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	394.1198	32.84	-7.06	25.78	46.00	-20.22	QP			



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Site: 2# Chamber

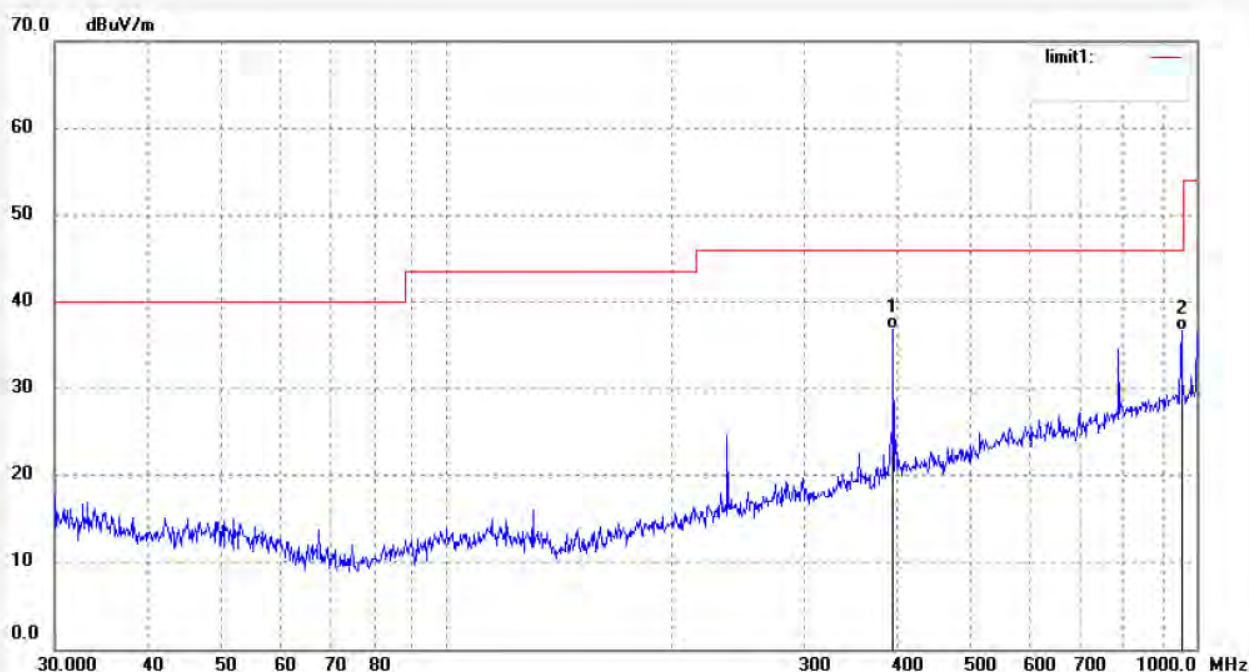
Tel:+86-0755-26503290

Fax:+86-0755-26503396

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

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2013/08/26
Time: 13:49:27
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791

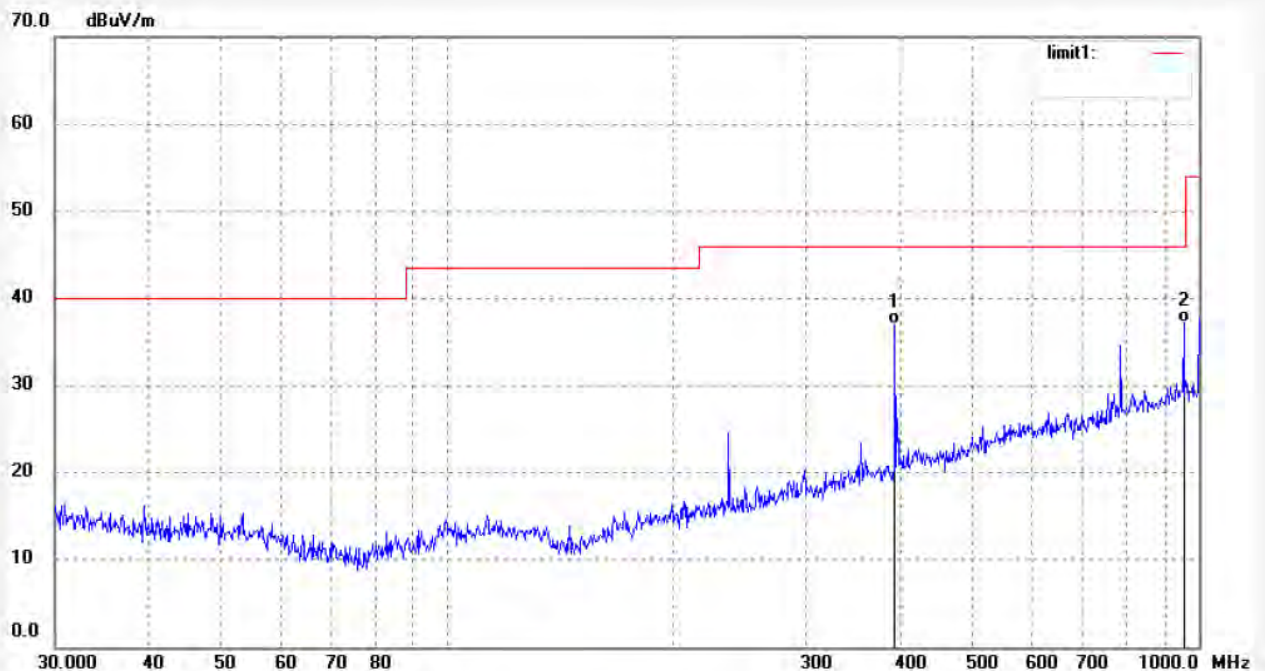


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	394.1199	43.92	-7.06	36.86	46.00	-9.14	QP			
2	955.3509	34.39	2.29	36.68	46.00	-9.32	QP			

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

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2013/08/26
Time: 13:50:29
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791

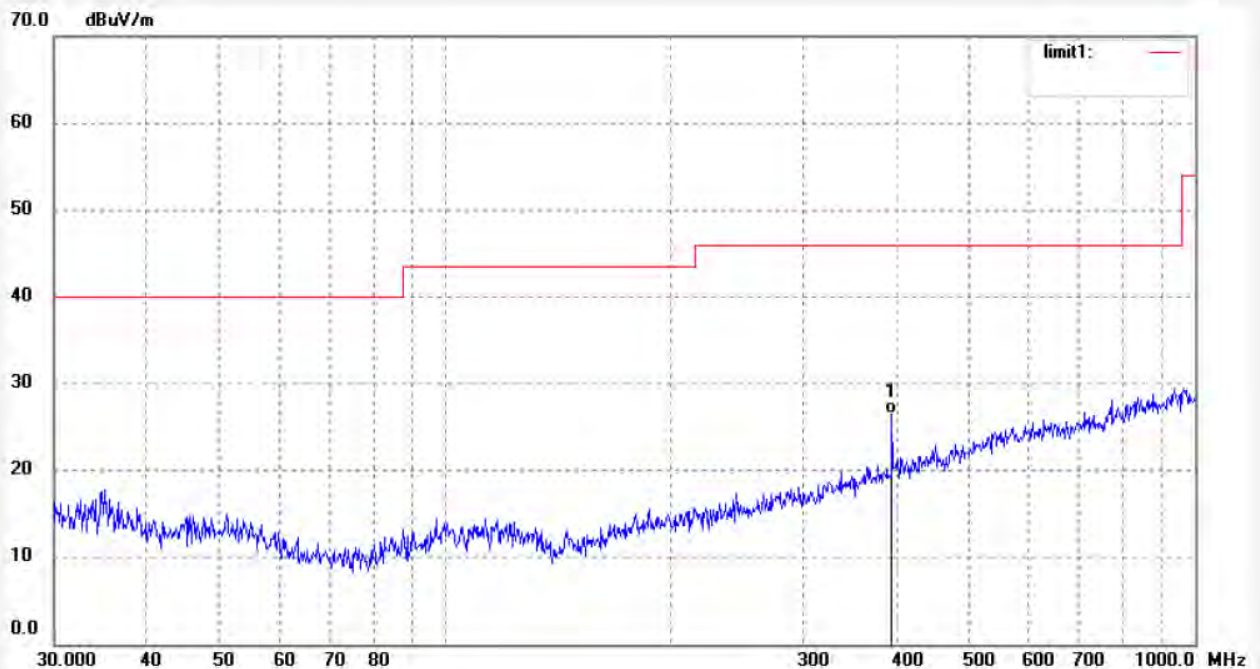


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	394.1199	44.07	-7.06	37.01	46.00	-8.99	QP			
2	955.3509	34.82	2.29	37.11	46.00	-8.89	QP			

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

Polarization: Vertical
Power Source: DC 3.7V
Date: 2013/08/26
Time: 13:51:07
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791

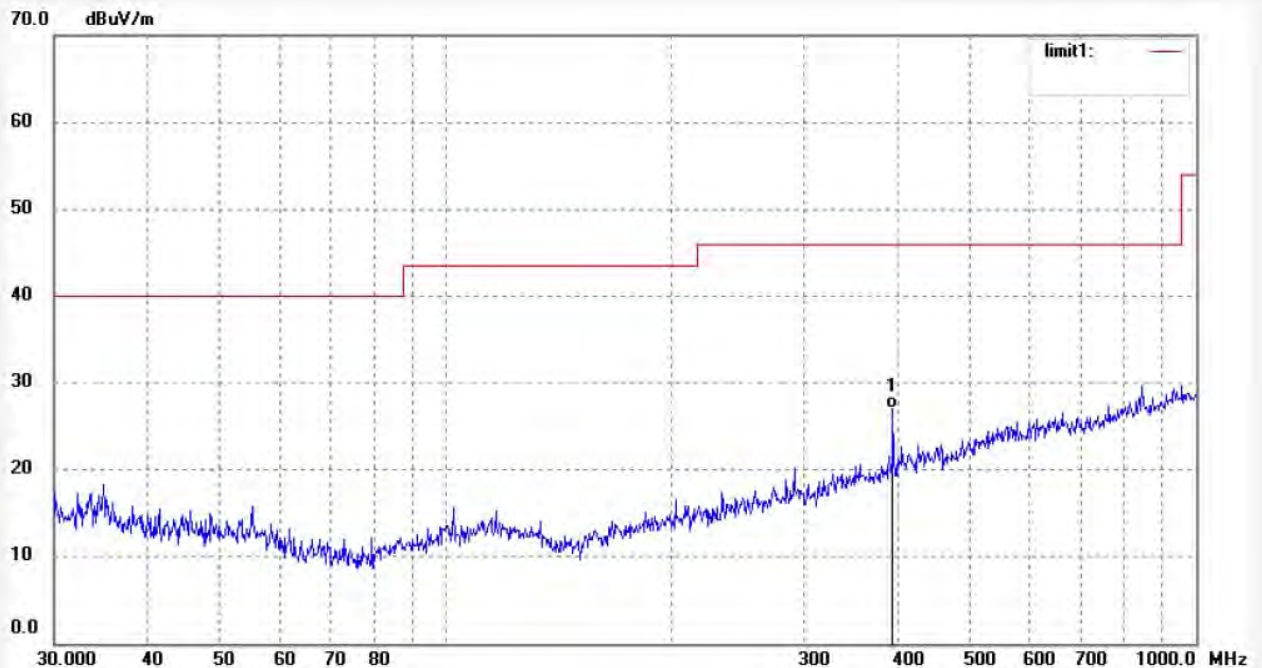


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	394.1199	33.62	-7.06	26.56	46.00	-19.44	QP			

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

Polarization: Vertical
Power Source: DC 3.7V
Date: 2013/08/26
Time: 13:51:44
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791



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	34.04	-7.06	26.98	46.00	-19.02	QP			



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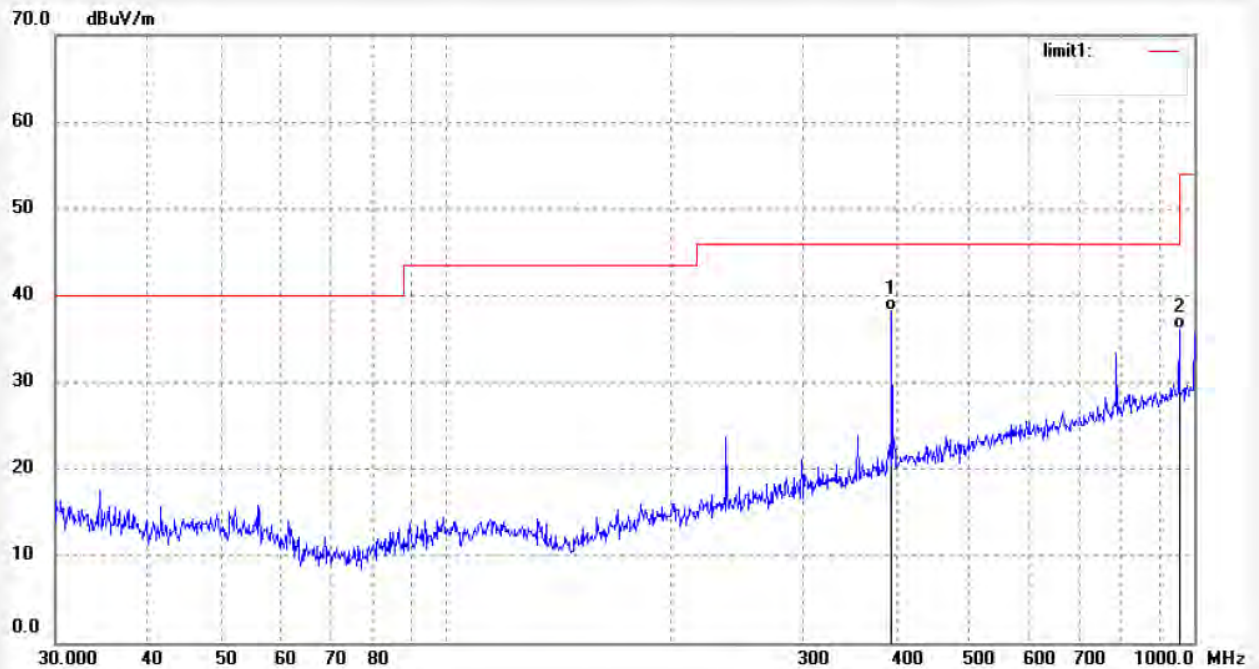
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
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

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2013/08/26
Time: 13:52:32
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791

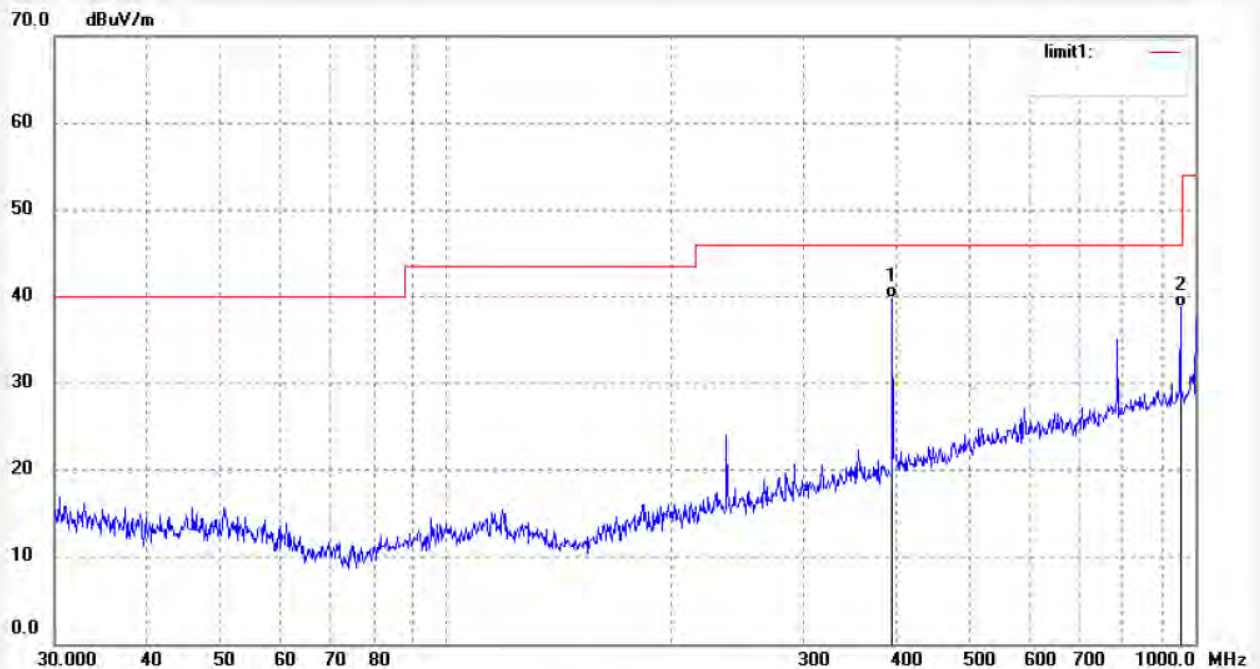


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	394.1199	45.37	-7.06	38.31	46.00	-7.69	QP			
2	955.3509	33.90	2.29	36.19	46.00	-9.81	QP			

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

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2013/08/26
Time: 16:41:02
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791

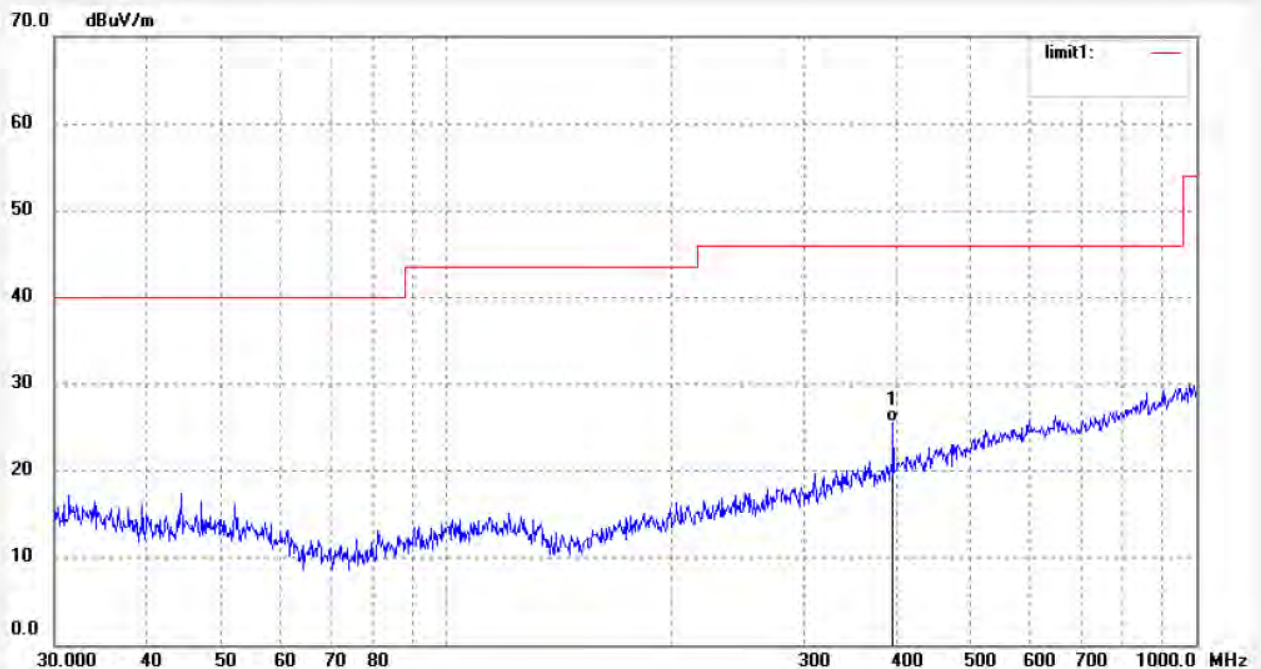


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	394.1199	46.88	-7.06	39.82	46.00	-6.18	QP			
2	955.3509	36.53	2.29	38.82	46.00	-7.18	QP			

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

Polarization: Vertical
Power Source: DC 3.7V
Date: 2013/08/26
Time: 16:42:00
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791

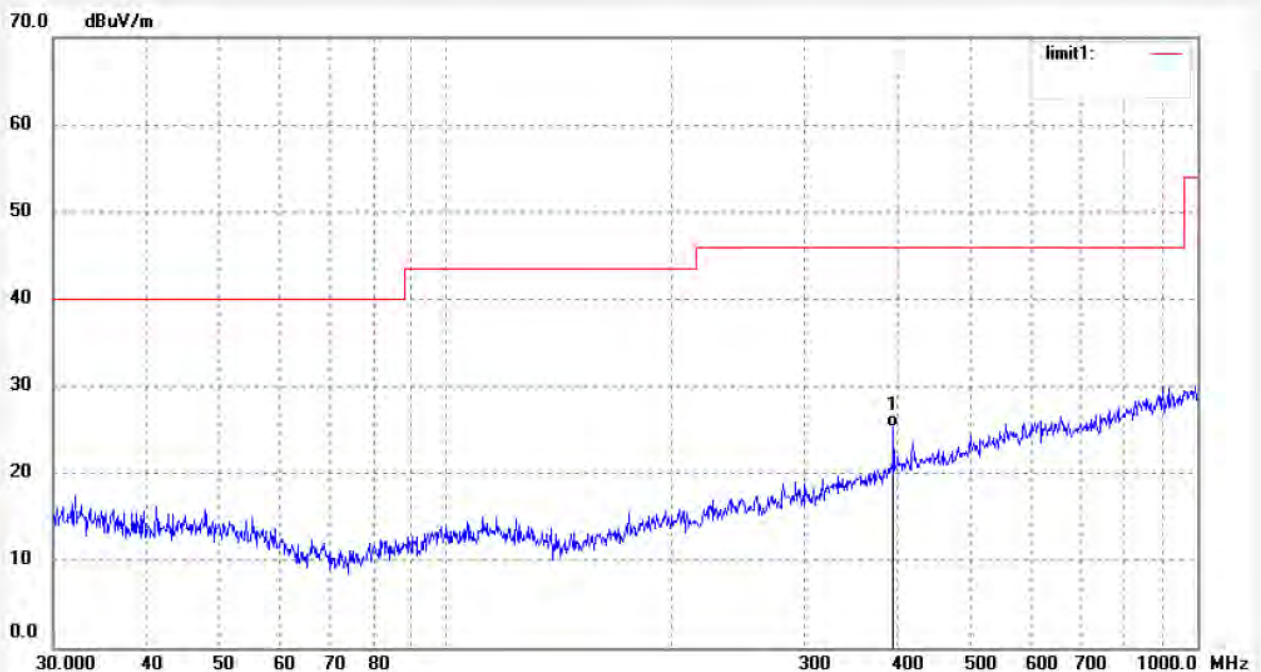


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	394.1199	32.72	-7.06	25.66	46.00	-20.34	QP			

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

Polarization: Vertical
Power Source: DC 3.7V
Date: 2013/08/26
Time: 16:39:12
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791

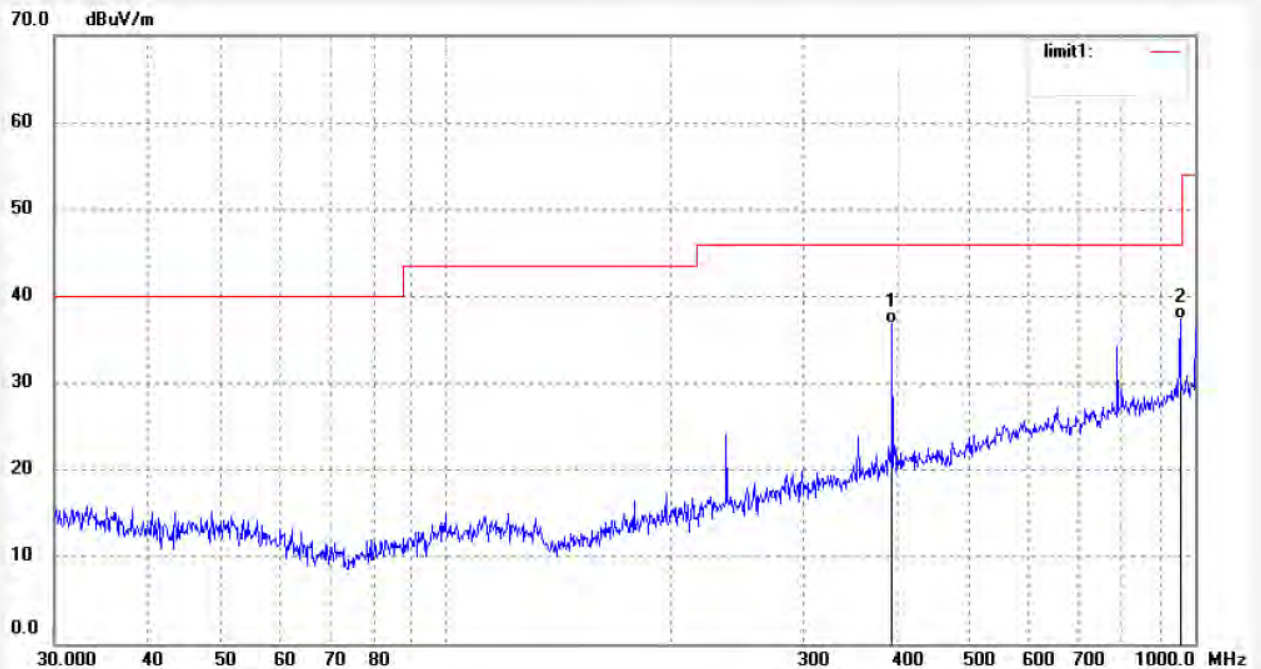


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	394.1198	32.36	-7.06	25.30	46.00	-20.70	QP			

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

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2013/08/26
Time: 16:40:02
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791



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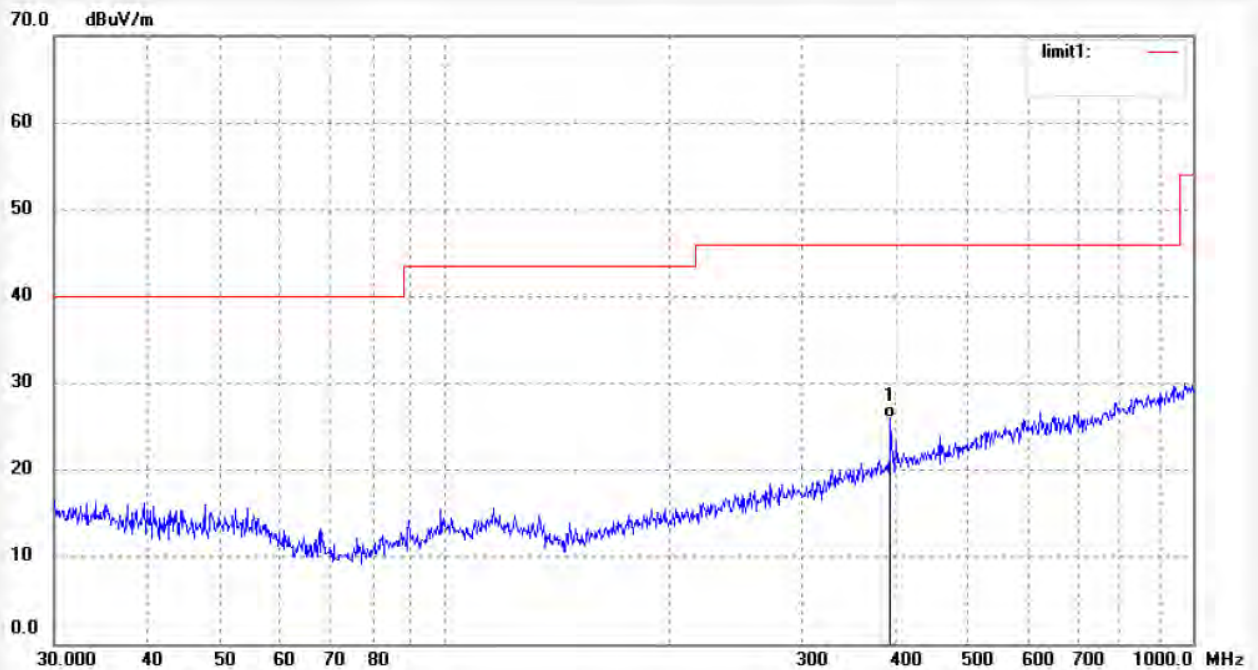
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

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

Polarization: Vertical
Power Source: DC 3.7V
Date: 2013/08/26
Time: 16:37:58
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791

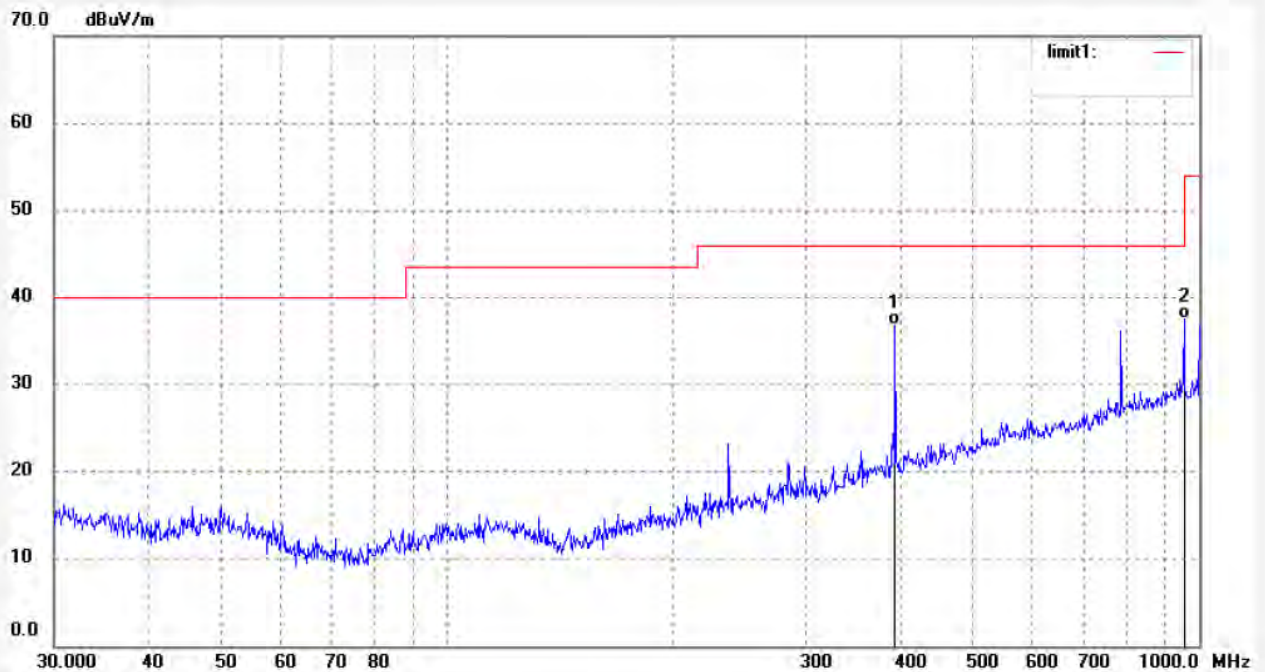


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	394.1198	33.13	-7.06	26.07	46.00	-19.93	QP			

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

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2013/08/26
Time: 16:36:42
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791



Above 1G



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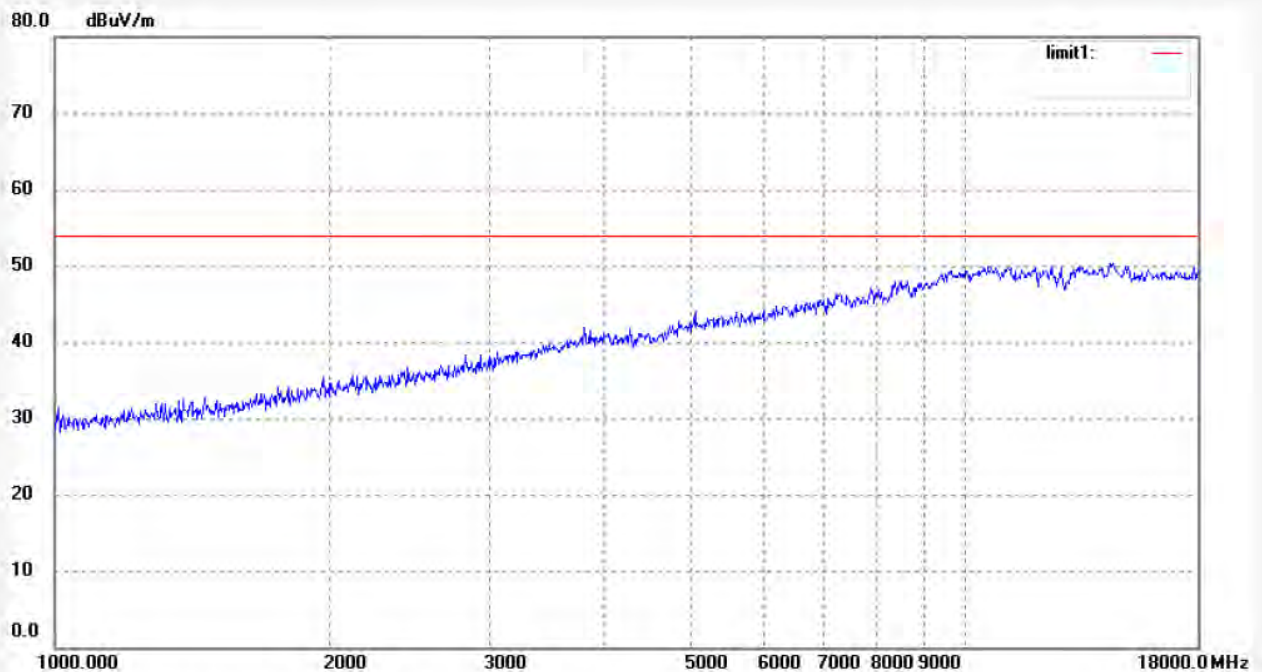
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

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
Manufacturer: WEI DA HUI ER

Polarization: Vertical
Power Source: DC 3.7V
Date: 13/08/29/
Time: 9/33/43
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791

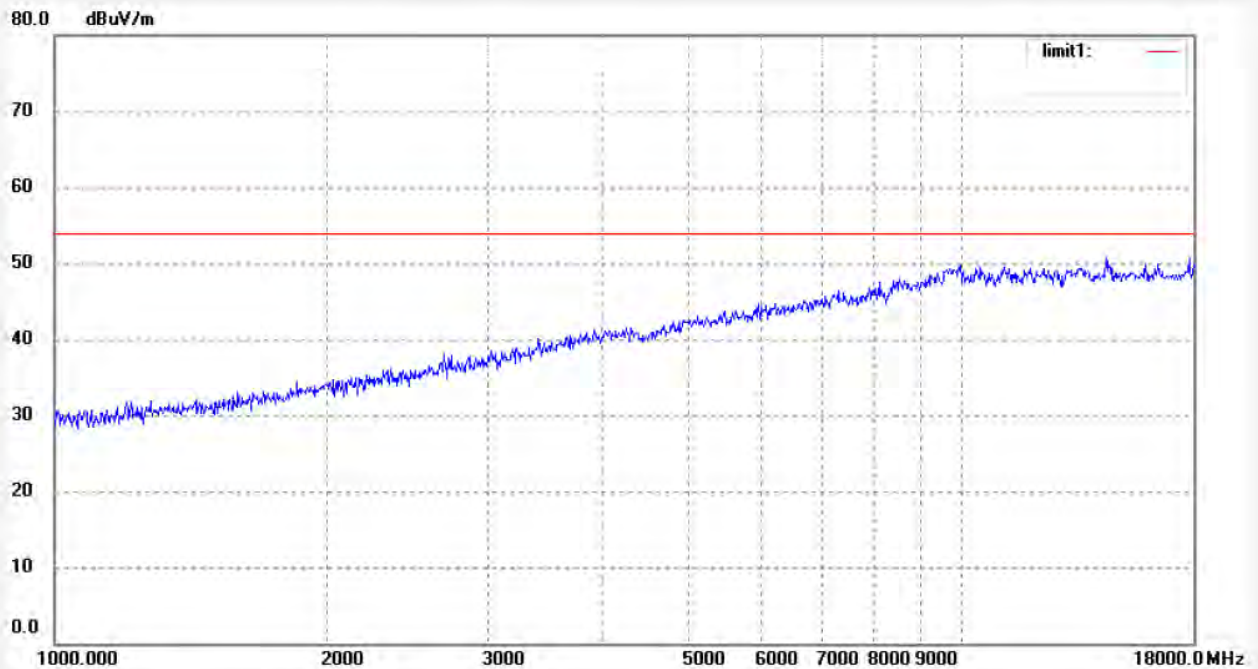


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Job No.: alen #1410
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: HOLL WIFI Disk
Mode: TX 2412MHz(802.11b)
Model: R220
Manufacturer: WEI DA HUI ER

Polarization: Horizontal
Power Source: DC 3.7V
Date: 13/08/29/
Time: 9/34/26
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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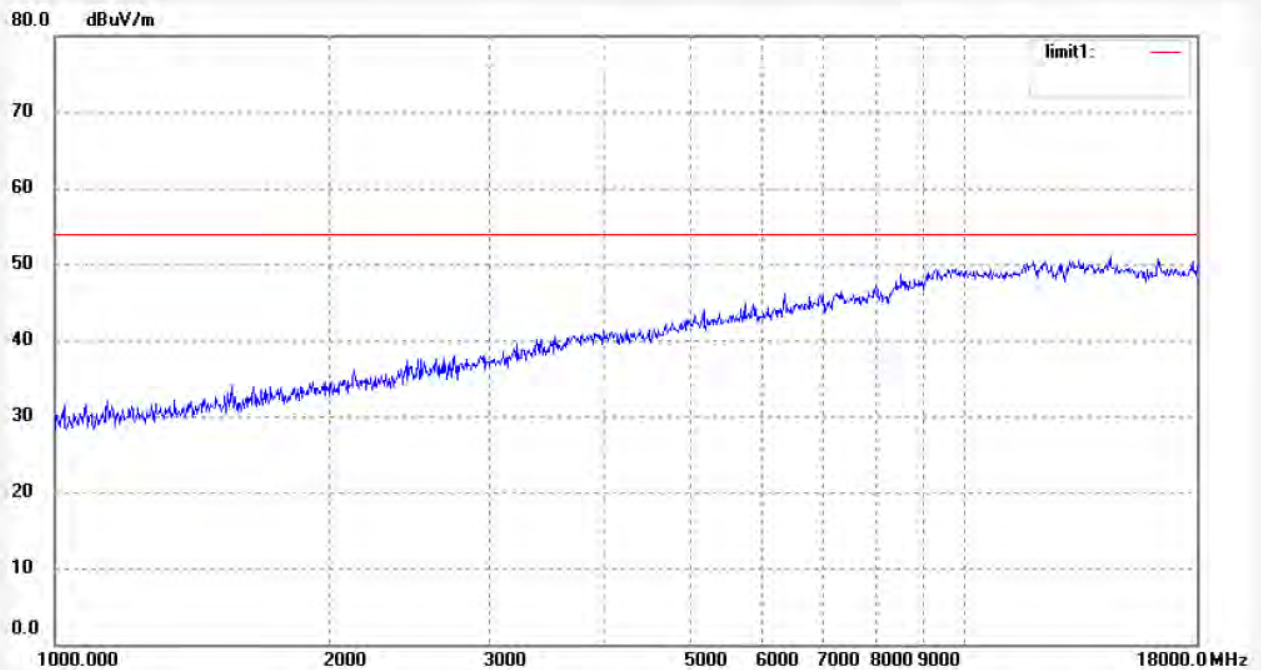
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

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

Polarization: Vertical
Power Source: DC 3.7V
Date: 13/08/29/
Time: 9/35/54
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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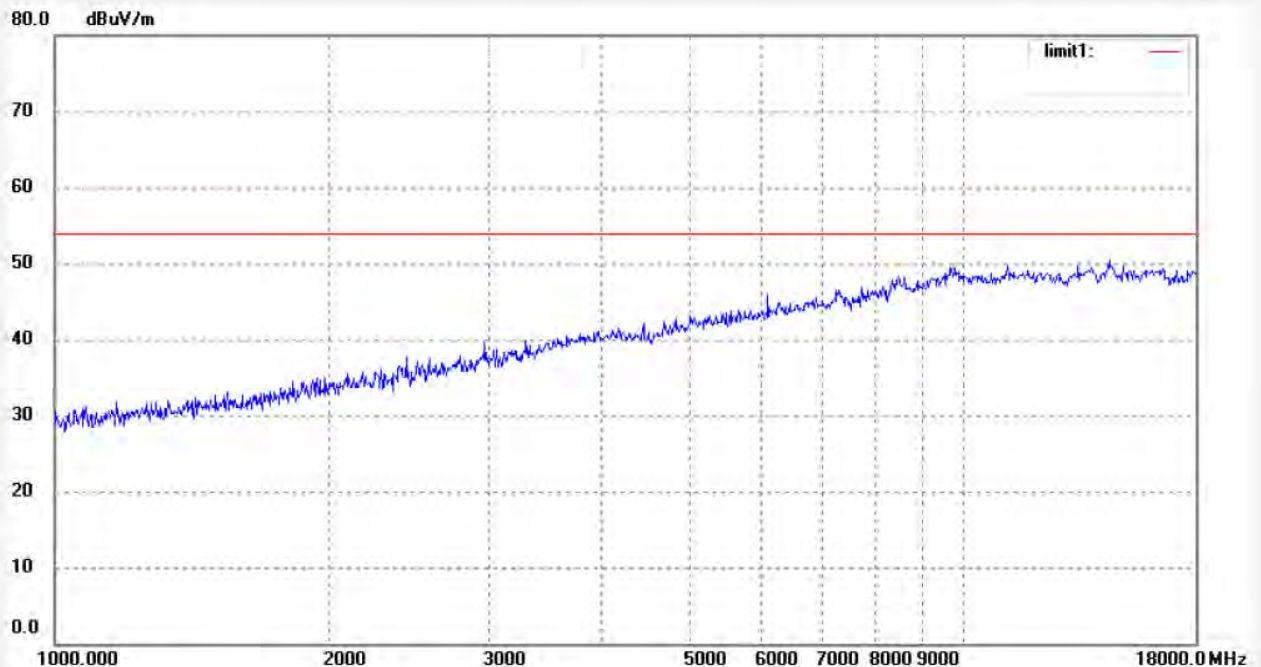
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

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

Polarization: Horizontal
Power Source: DC 3.7V
Date: 13/08/29/
Time: 9/36/32
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Site: 1# Chamber

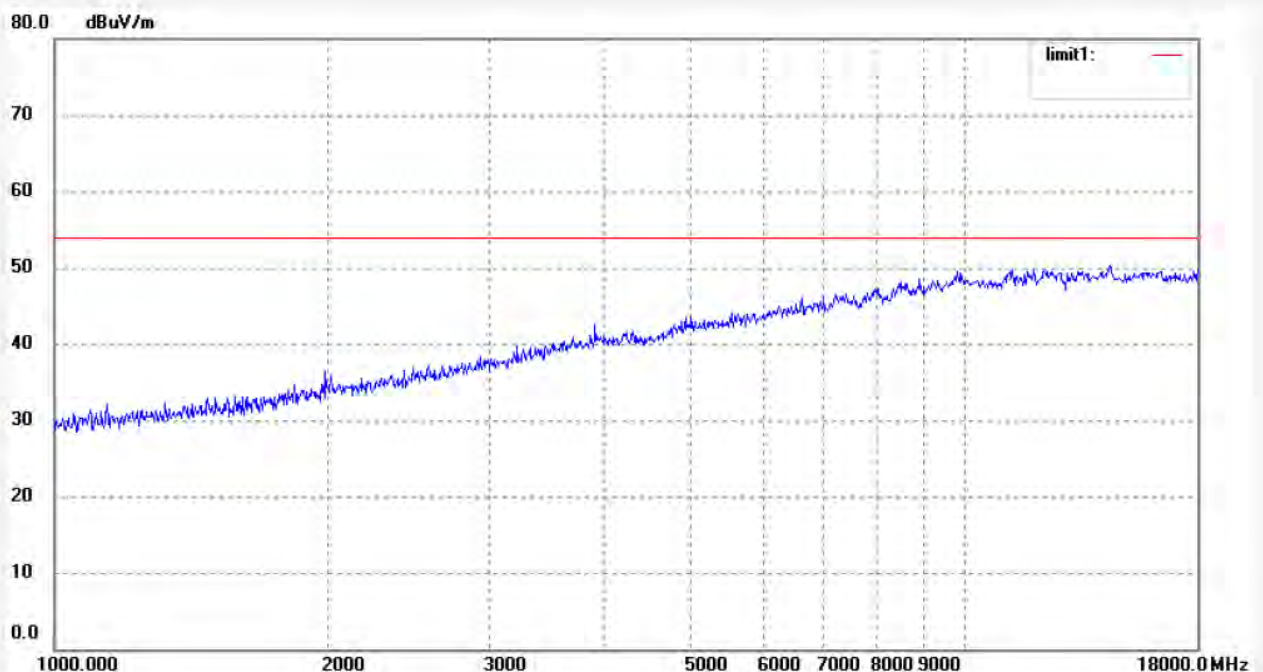
Tel:+86-0755-26503290

Fax:+86-0755-26503396

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

Polarization: Vertical
Power Source: DC 3.7V
Date: 13/08/29/
Time: 9/38/18
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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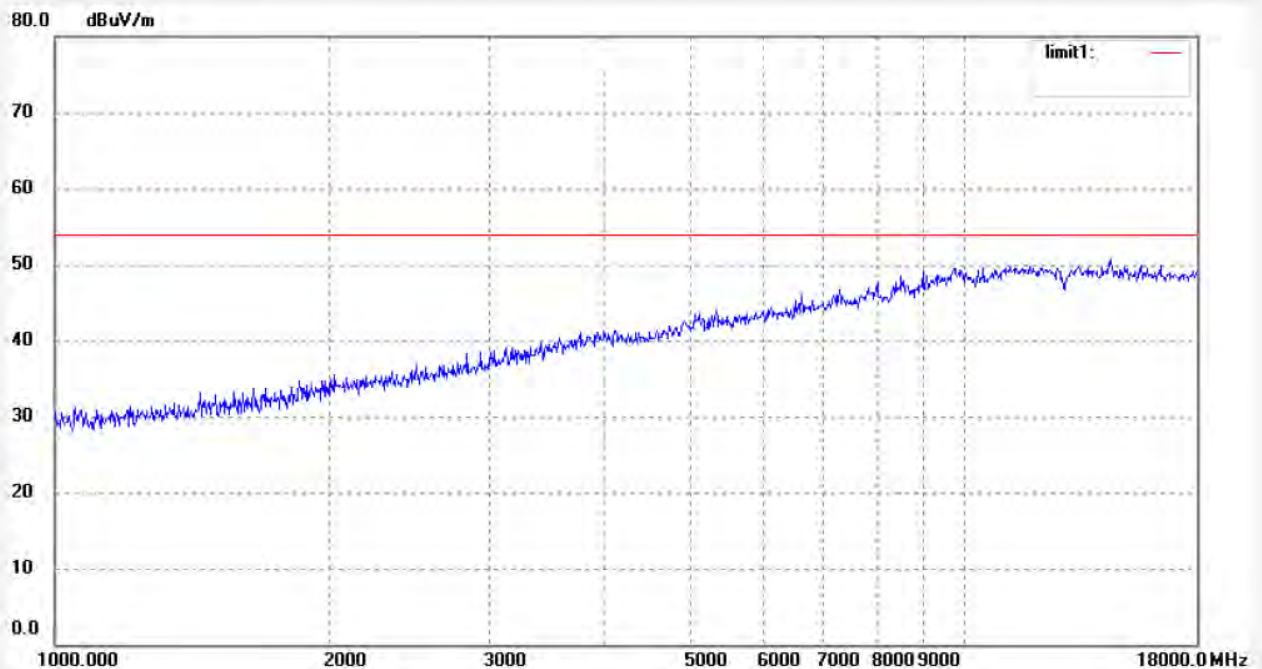
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

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

Polarization: Horizontal
Power Source: DC 3.7V
Date: 13/08/29/
Time: 9/38/54
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791

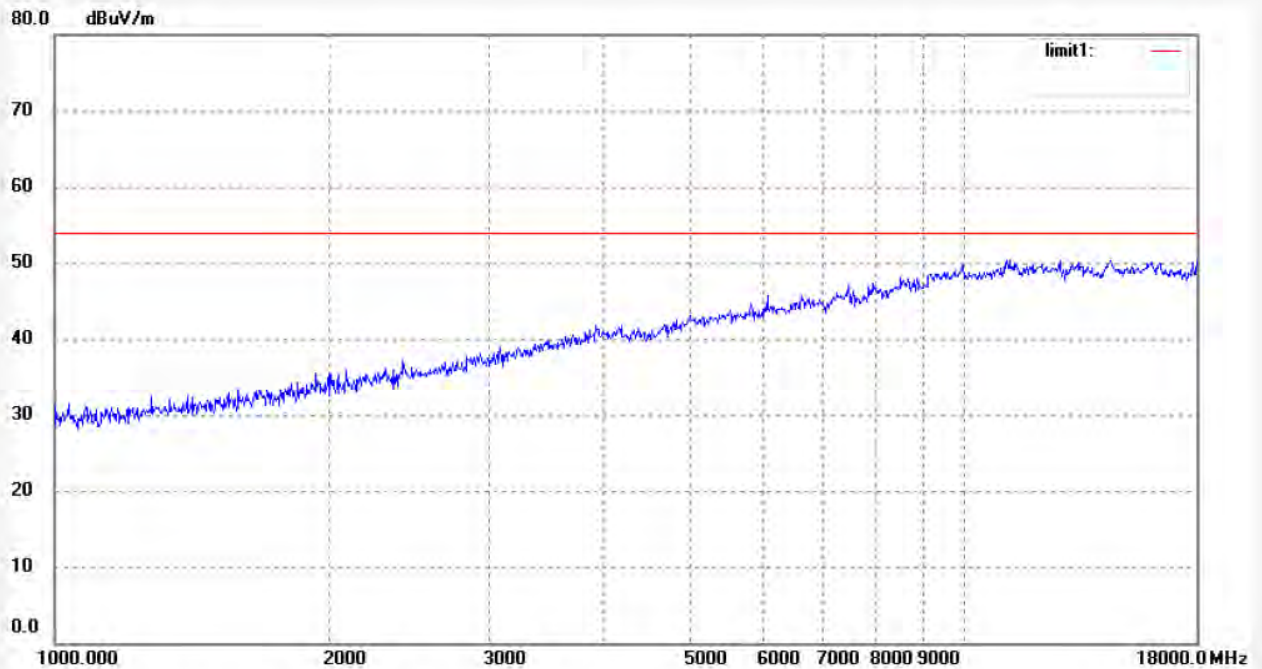


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Job No.: alen #1407
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: HOLL WIFI Disk
Mode: TX 2412MHz(802.11g)
Model: R220
Manufacturer: WEI DA HUI ER

Polarization: Vertical
Power Source: DC 3.7V
Date: 13/08/29/
Time: 9/31/48
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber

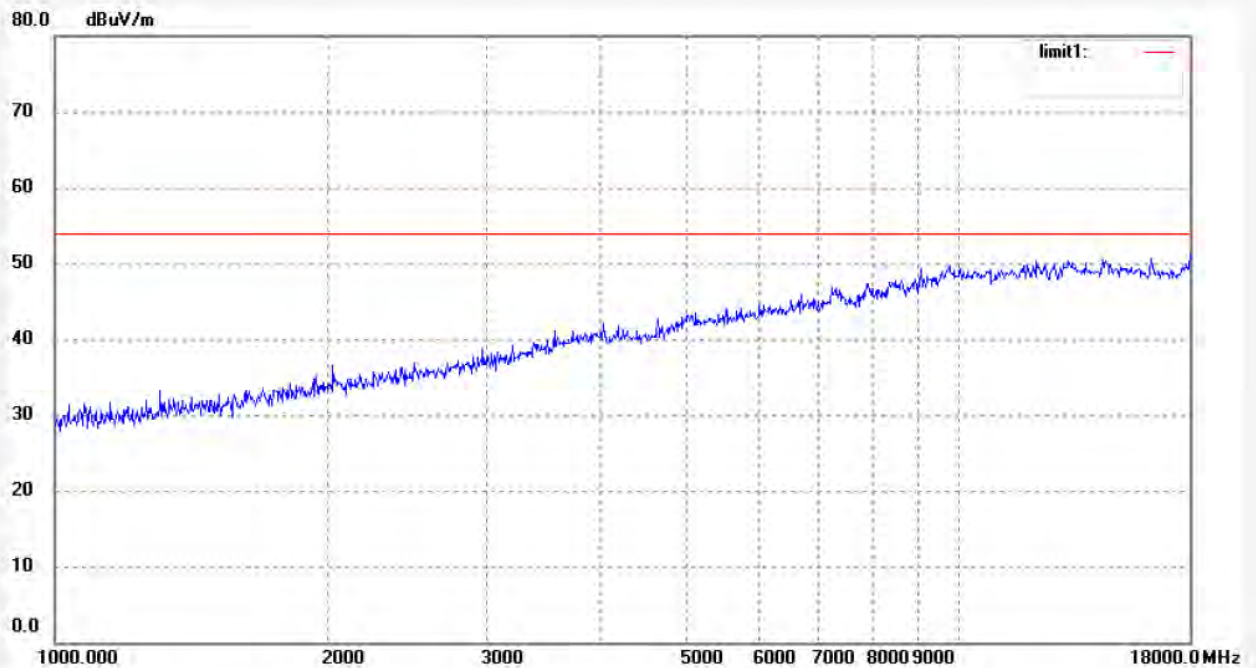
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: alen #1408
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

Polarization: Horizontal
Power Source: DC 3.7V
Date: 13/08/29/
Time: 9/32/21
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791

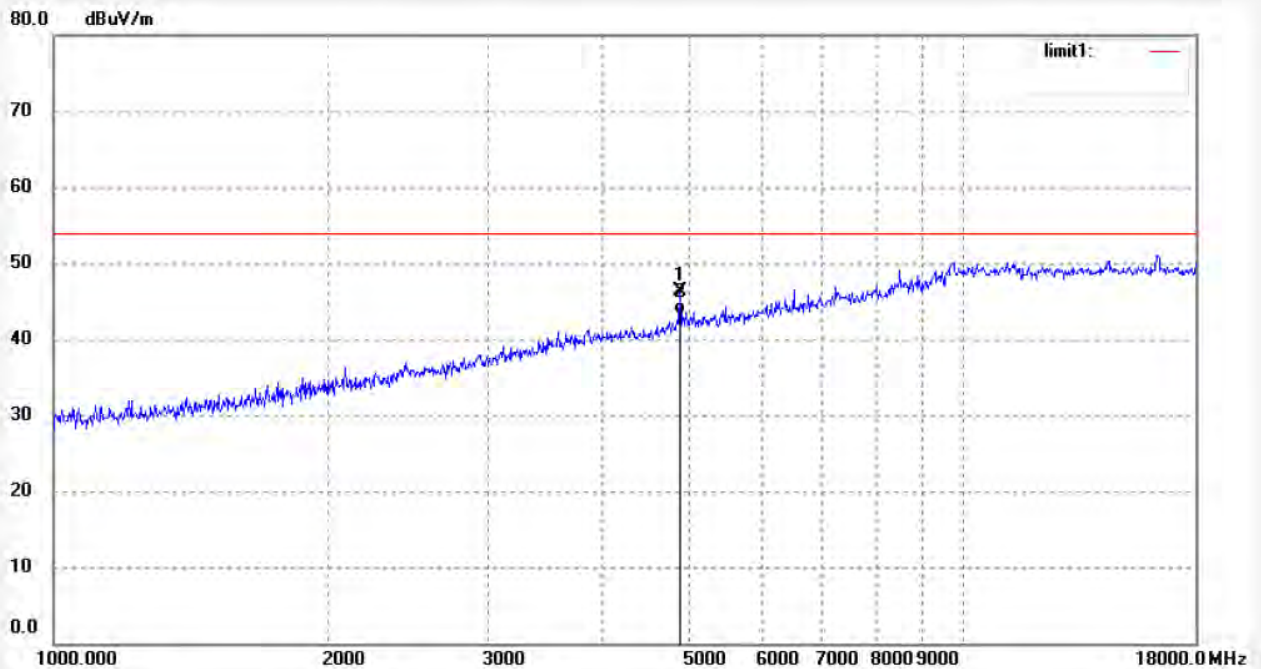


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Job No.: alen #1405
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: HOLL WIFI Disk
Mode: TX 2437MHz(802.11g)
Model: R220
Manufacturer: WEI DA HUI ER

Polarization: Vertical
Power Source: DC 3.7V
Date: 13/08/29/
Time: 9/29/14
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791

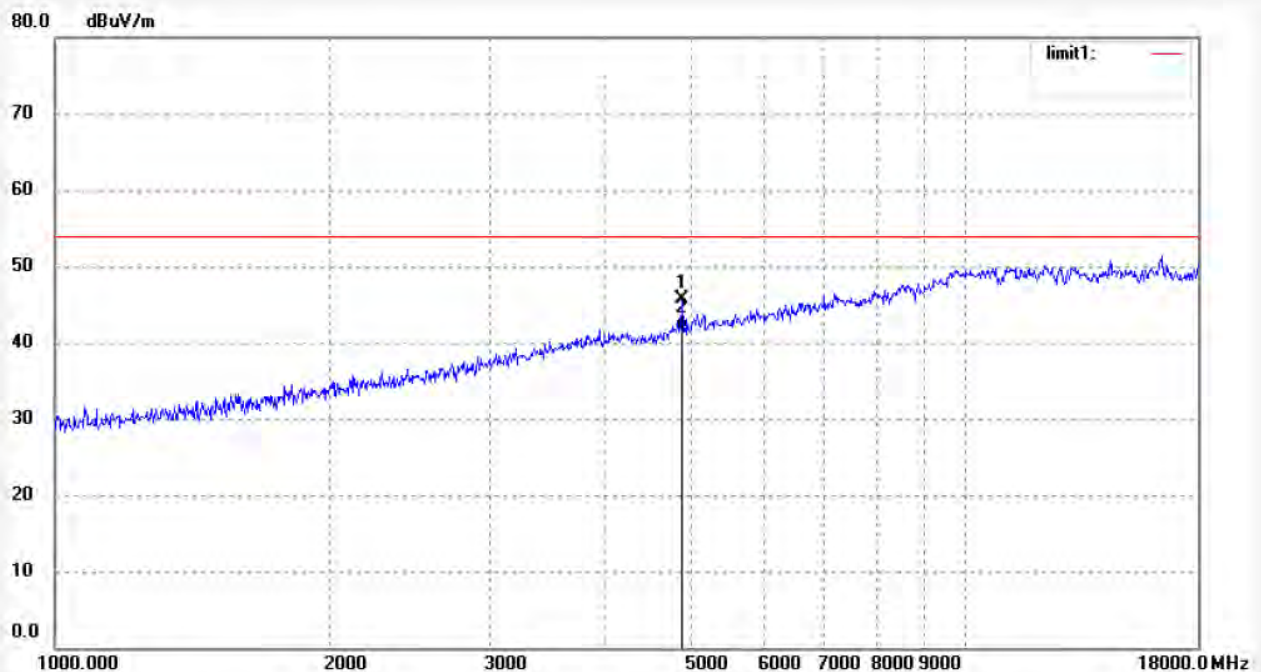


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.000	47.59	-1.37	46.22	54.00	-7.78	peak			
2	4874.000	44.65	-1.37	43.28	54.00	-10.72	AVG			

Job No.: alen #1406
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

Polarization: Horizontal
Power Source: DC 3.7V
Date: 13/08/29/
Time: 9/30/01
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791



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			
2	4874.000	43.04	-1.33	41.71	54.00	-12.29	AVG			



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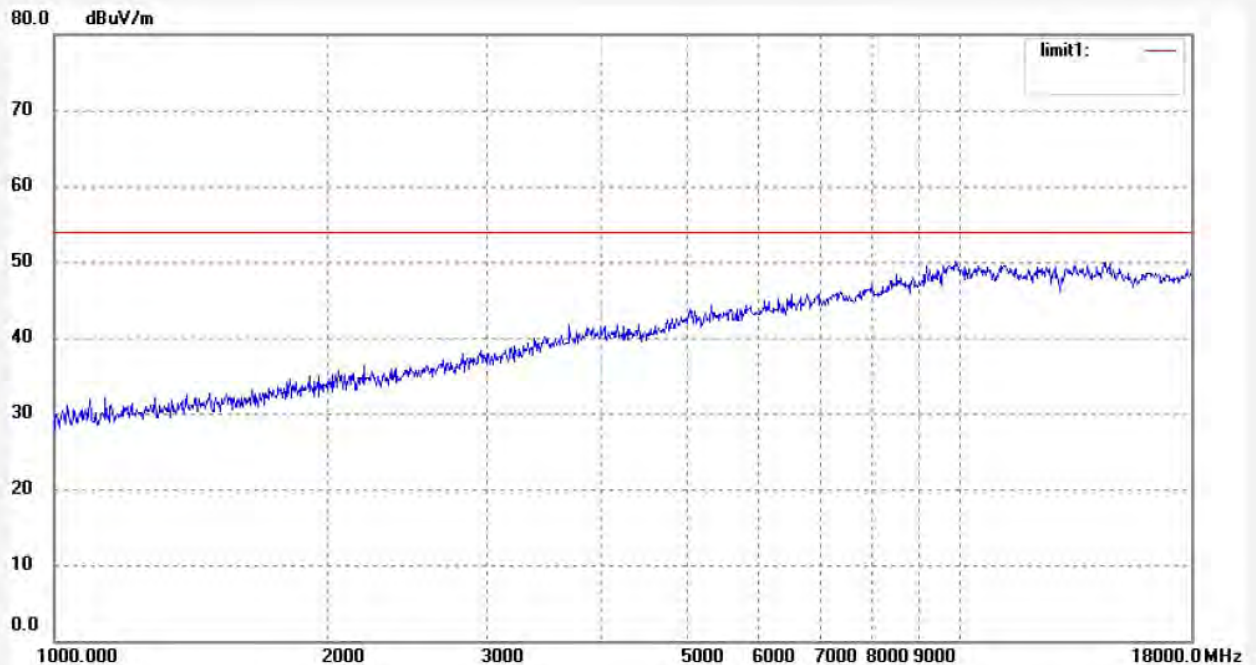
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

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

Polarization: Vertical
Power Source: DC 3.7V
Date: 13/08/29/
Time: 9/27/11
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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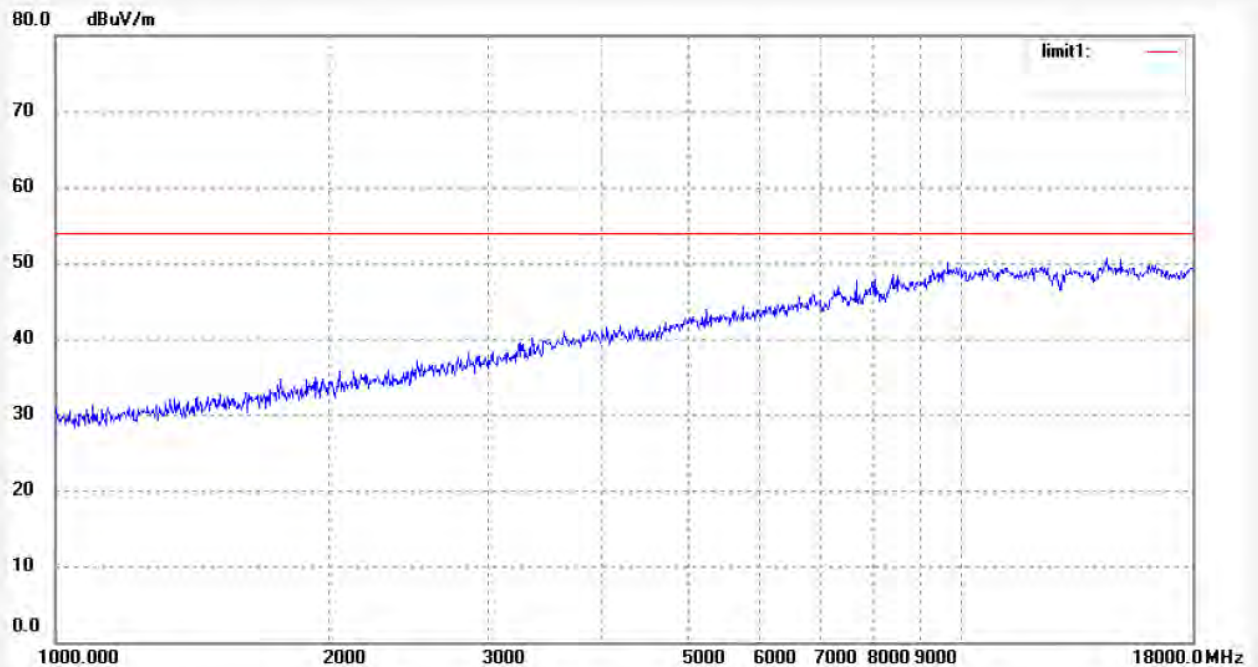
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

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

Polarization: Horizontal
Power Source: DC 3.7V
Date: 13/08/29/
Time: 9/27/45
Engineer Signature:
Distance: 3m

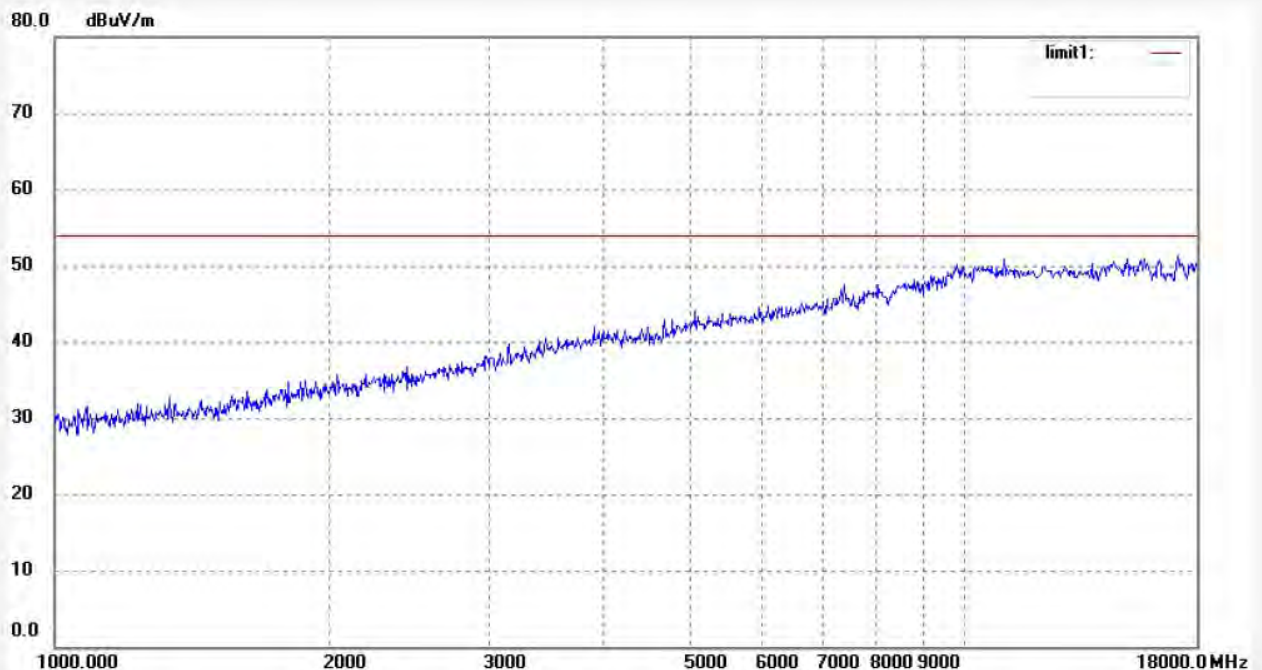
Note: Report No:ATE20131791



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Job No.: alen #1397	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/08/29/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/20/58
EUT: HOLL WIFI Disk	Engineer Signature:
Mode: TX 2412MHz(802.11n)20MHz	Distance: 3m
Model: R220	
Manufacturer: WEI DA HUI ER	

Note: Report No:ATE20131791



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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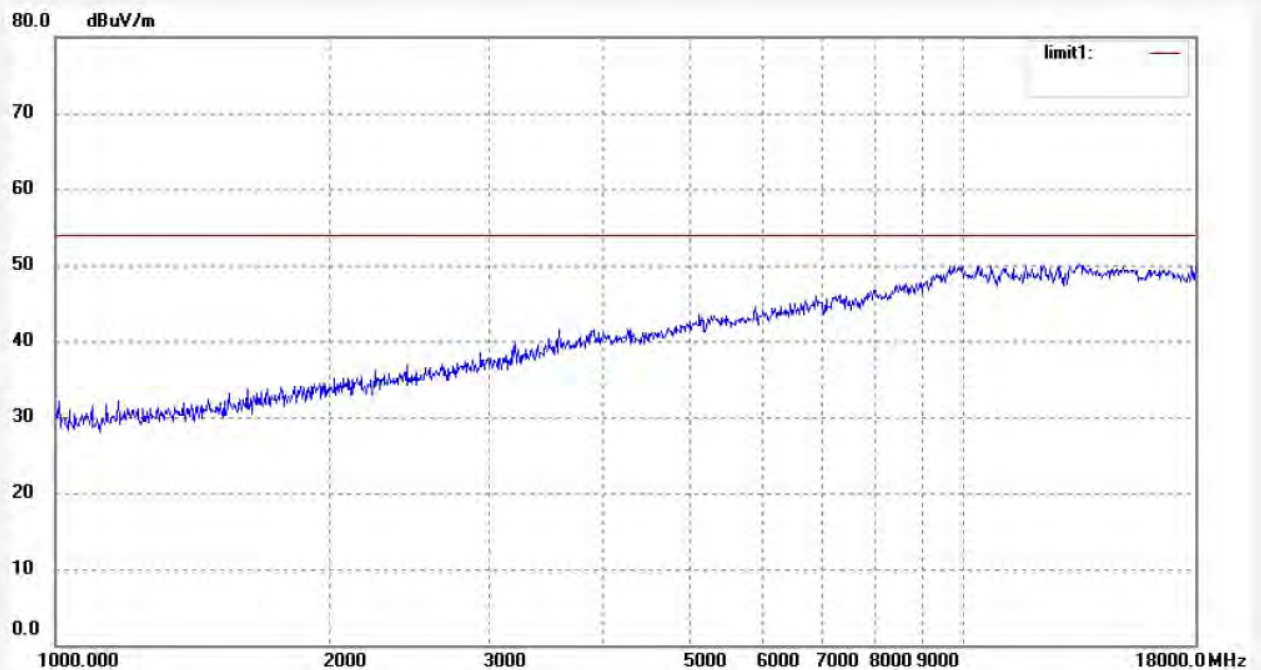
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Site: 1# Chamber
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Fax:+86-0755-26503396

Job No.: alen #1398	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/08/29/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/21/33
EUT: HOLL WIFI Disk	Engineer Signature:
Mode: TX 2412MHz(802.11n)20MHz	Distance: 3m
Model: R220	
Manufacturer: WEI DA HUI ER	

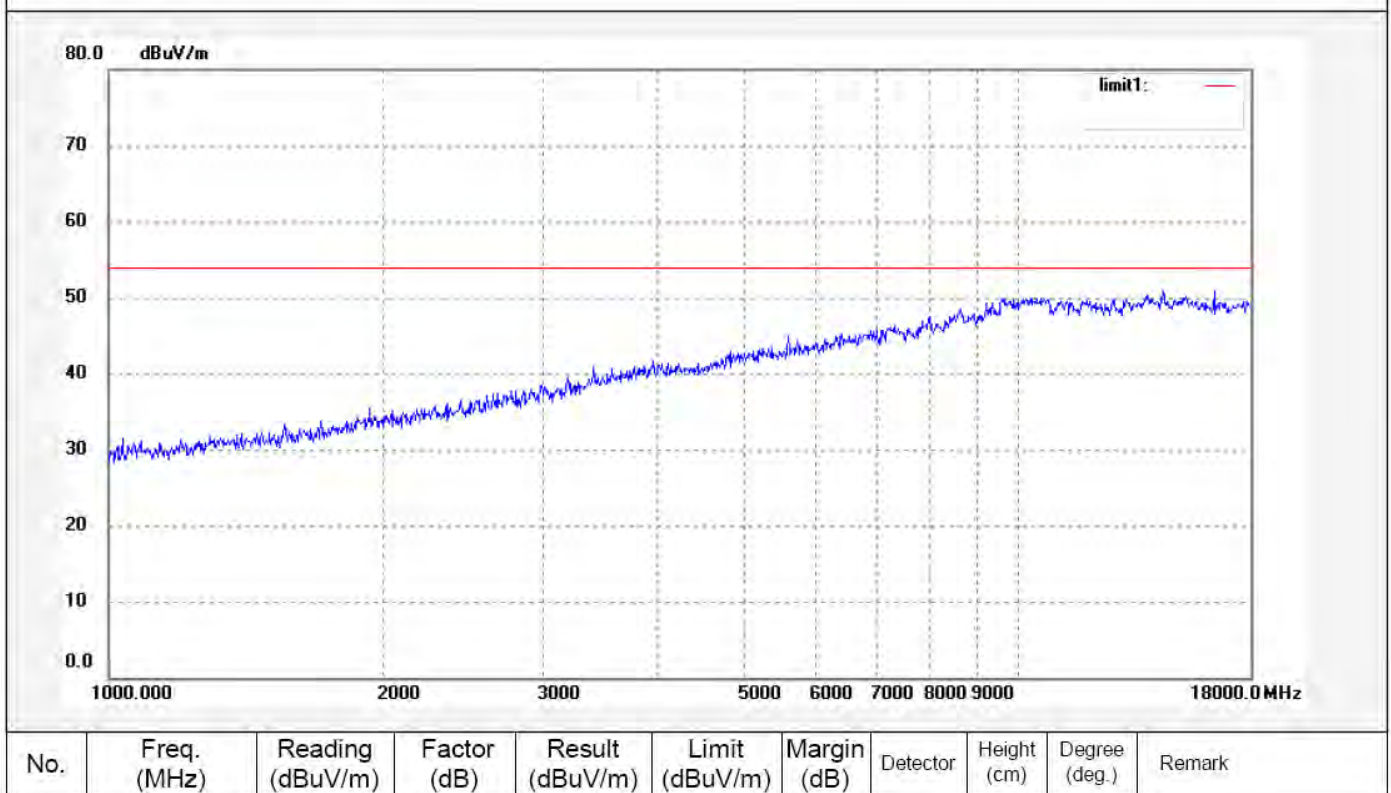
Note: Report No:ATE20131791



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Job No.: alen #1399	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/08/29/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/22/58
EUT: HOLL WIFI Disk	Engineer Signature:
Mode: TX 2437MHz(802.11n)20MHz	Distance: 3m
Model: R220	
Manufacturer: WEI DA HUI ER	

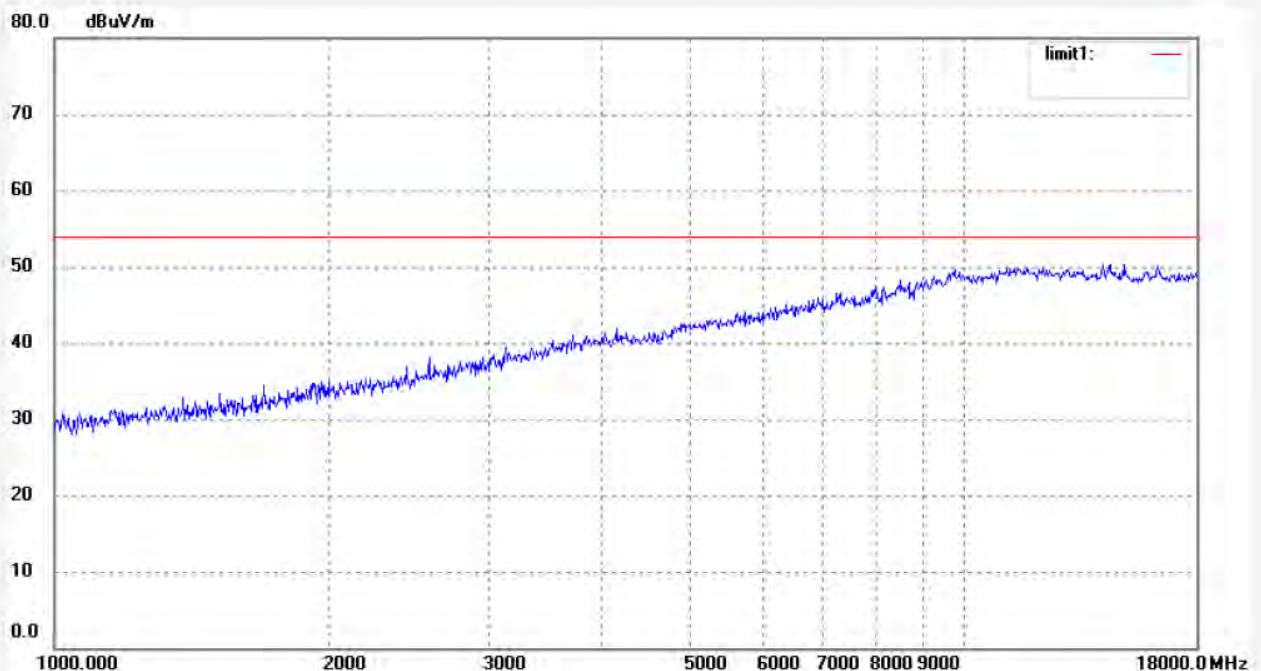
Note: Report No:ATE20131791



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

Polarization: Horizontal
Power Source: DC 3.7V
Date: 13/08/29/
Time: 9/23/42
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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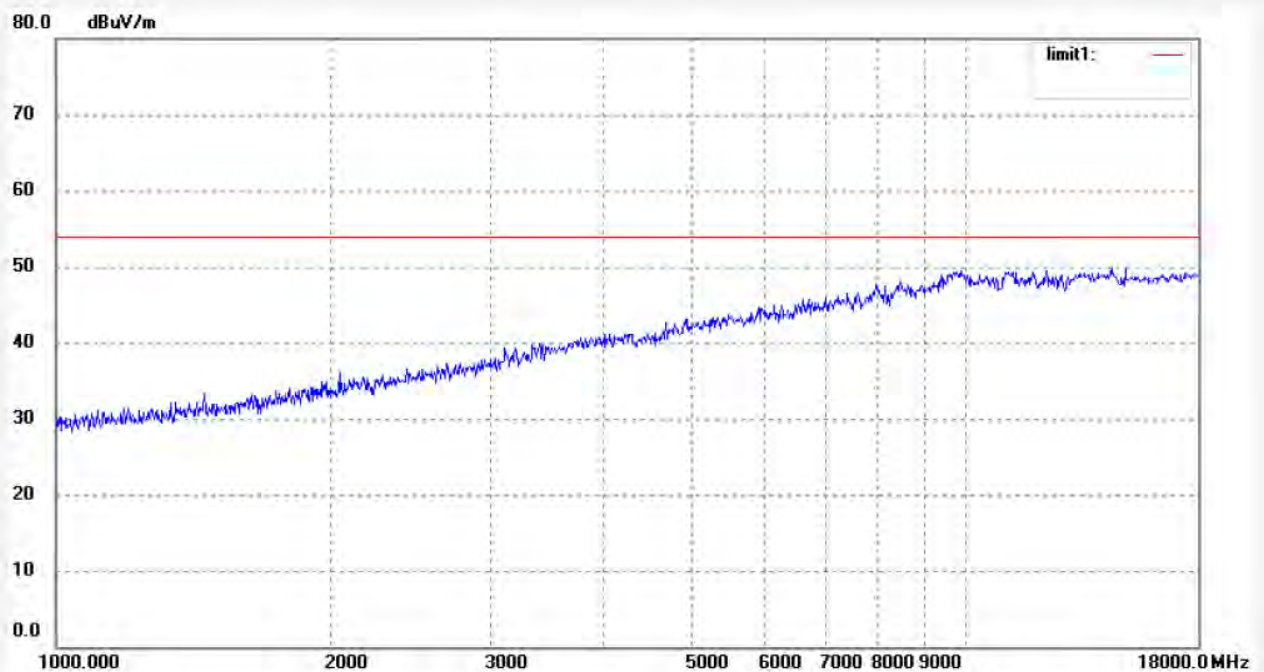
Tel:+86-0755-26503290

Fax:+86-0755-26503396

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

Polarization: Vertical
Power Source: DC 3.7V
Date: 13/08/29/
Time: 9/25/03
Engineer Signature:
Distance: 3m

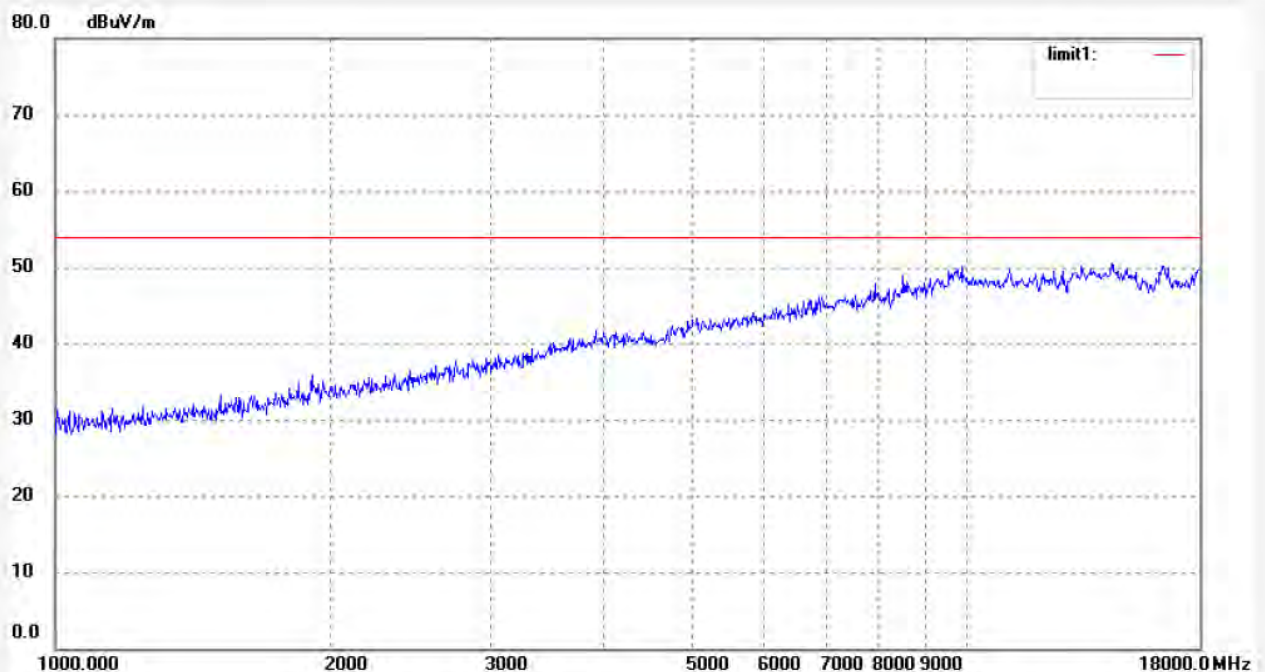
Note: Report No:ATE20131791



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Job No.: alen #1402	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/08/29/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/25/40
EUT: HOLL WIFI Disk	Engineer Signature:
Mode: TX 2462MHz(802.11n)20MHz	Distance: 3m
Model: R220	
Manufacturer: WEI DA HUI ER	

Note: Report No:ATE20131791



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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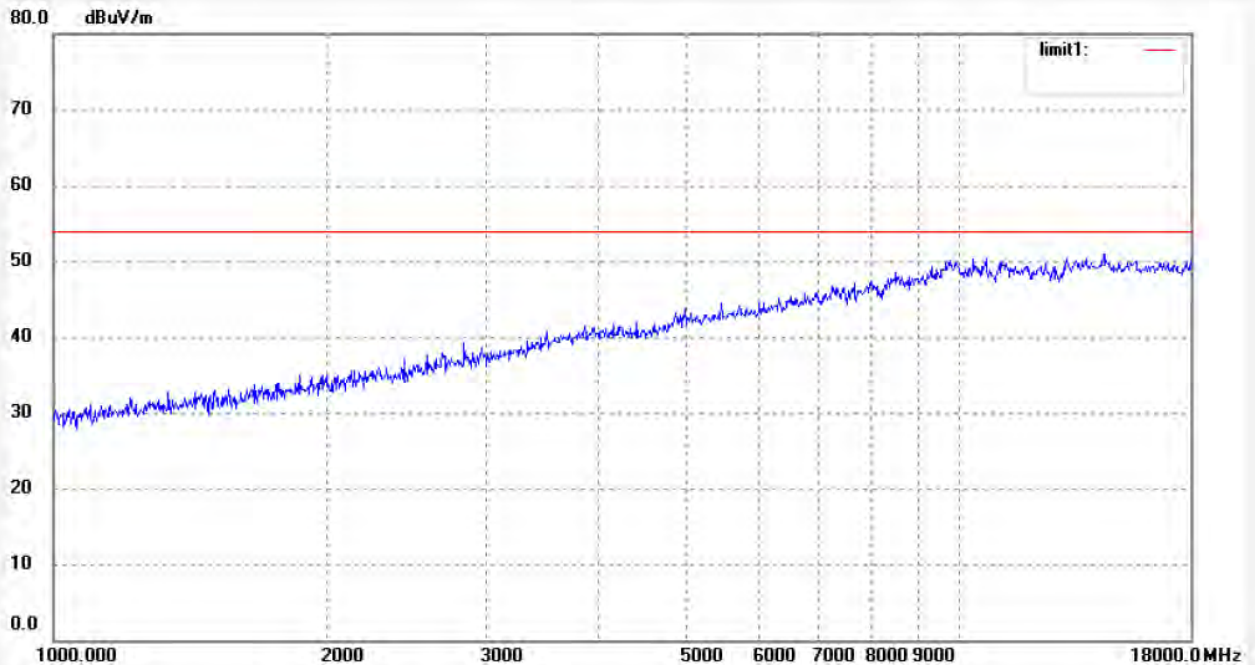
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Job No.: alen #1391	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/08/29/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/06/24
EUT: HOLL WIFI Disk	Engineer Signature:
Mode: TX 2422MHz(802.11n)40MHz	Distance: 3m
Model: R220	
Manufacturer: WEI DA HUI ER	

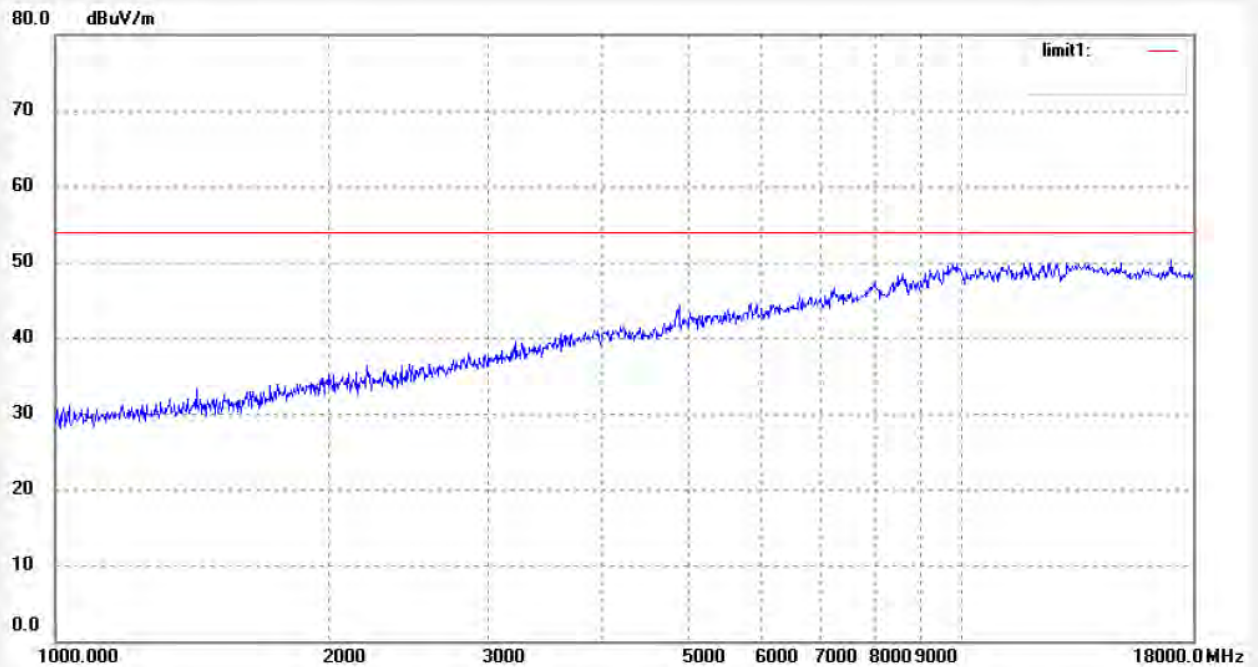
Note: Report No:ATE20131791



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Job No.: alen #1392	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/08/29/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/07/12
EUT: HOLL WIFI Disk	Engineer Signature:
Mode: TX 2422MHz(802.11n)40MHz	Distance: 3m
Model: R220	
Manufacturer: WEI DA HUI ER	

Note: Report No:ATE20131791

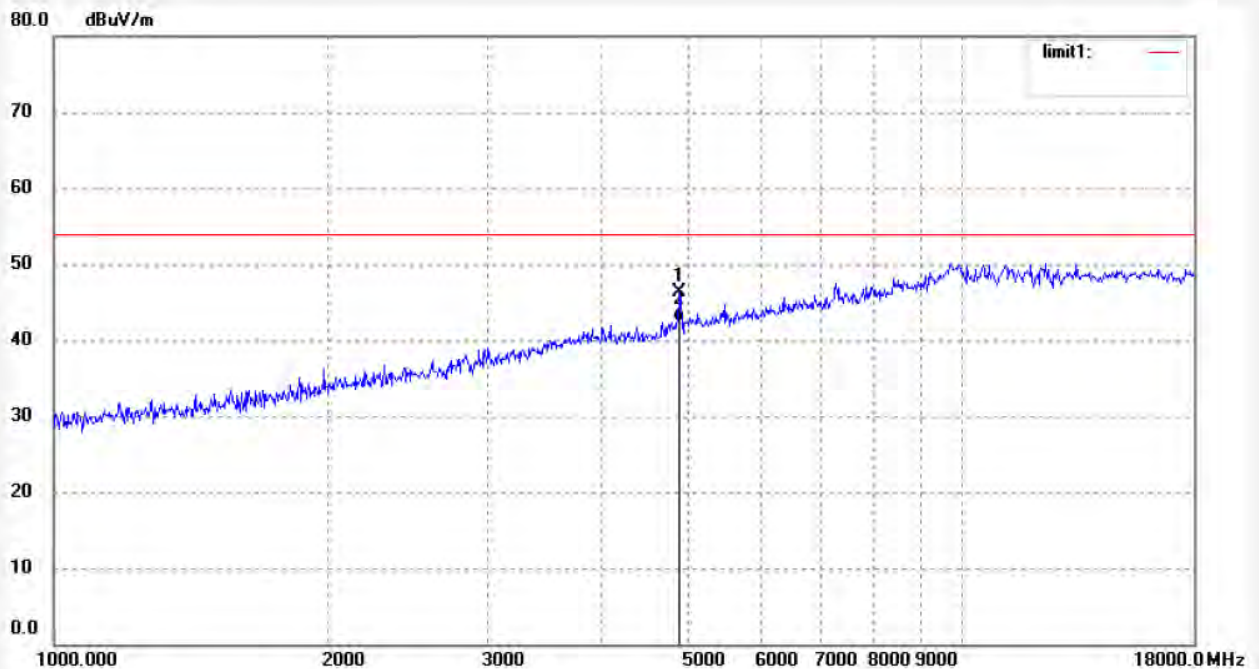


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Job No.: alen #1393
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: HOLL WIFI Disk
Mode: TX 2437MHz(802.11n)40MHz
Model: R220
Manufacturer: WEI DA HUI ER

Polarization: Vertical
Power Source: DC 3.7V
Date: 13/08/29/
Time: 9/09/01
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791

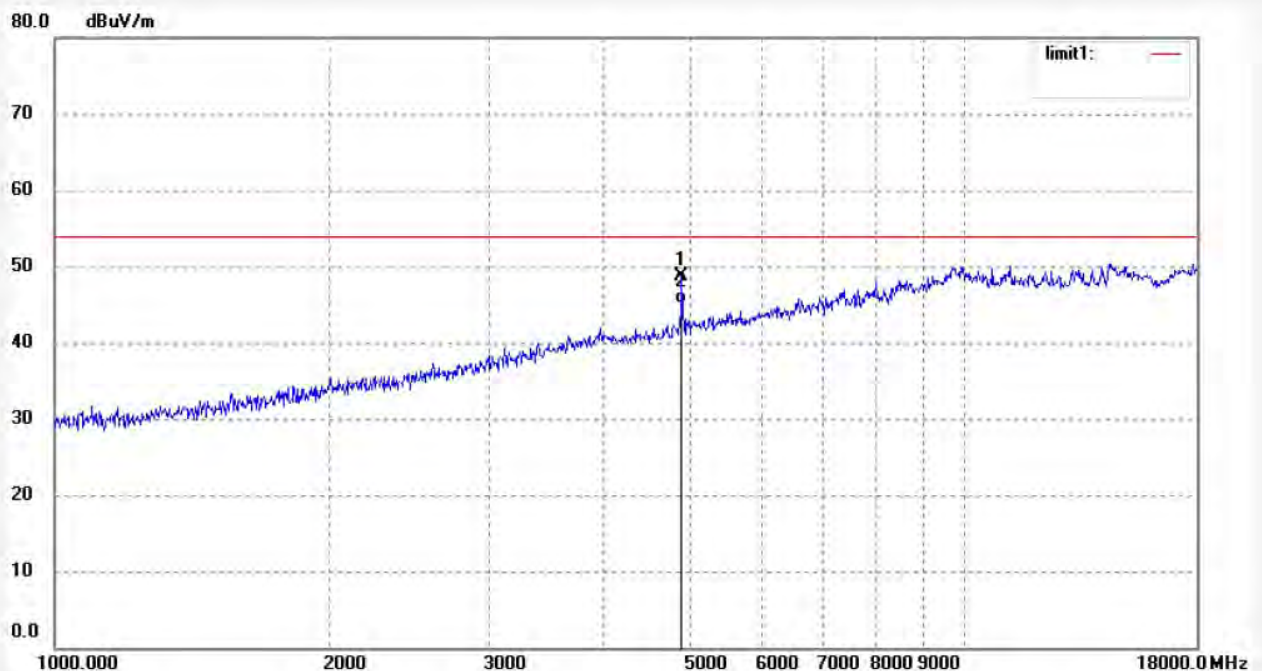


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.000	47.73	-1.33	46.40	54.00	-7.60	peak			
2	4874.000	43.87	-1.33	42.54	54.00	-11.46	AVG			

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

Polarization: Horizontal
Power Source: DC 3.7V
Date: 13/08/29/
Time: 9/09/43
Engineer Signature:
Distance: 3m

Note: Report No:ATE20131791



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	50.01	-1.33	48.68	54.00	-5.32	peak			
2	4874.000	46.38	-1.33	45.05	54.00	-8.95	AVG			



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Fax:+86-0755-26503396

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

Polarization: Vertical

Power Source: DC 3.7V

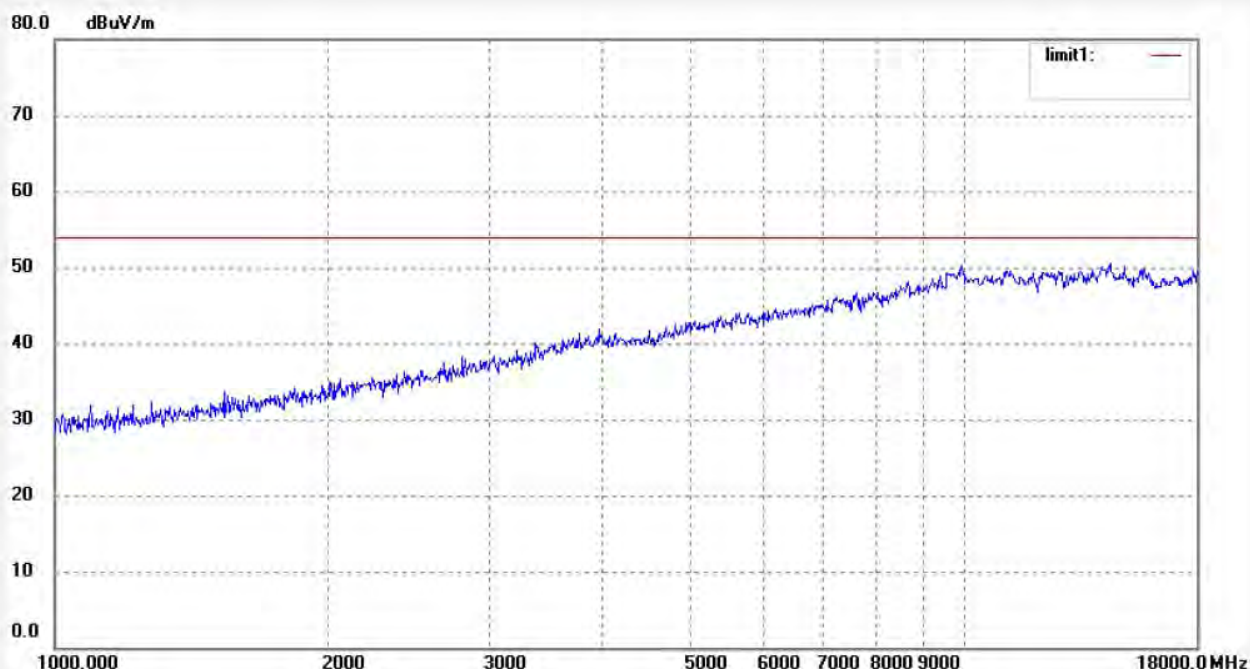
Date: 13/08/29/

Time: 9/12/45

Engineer Signature:

Distance: 3m

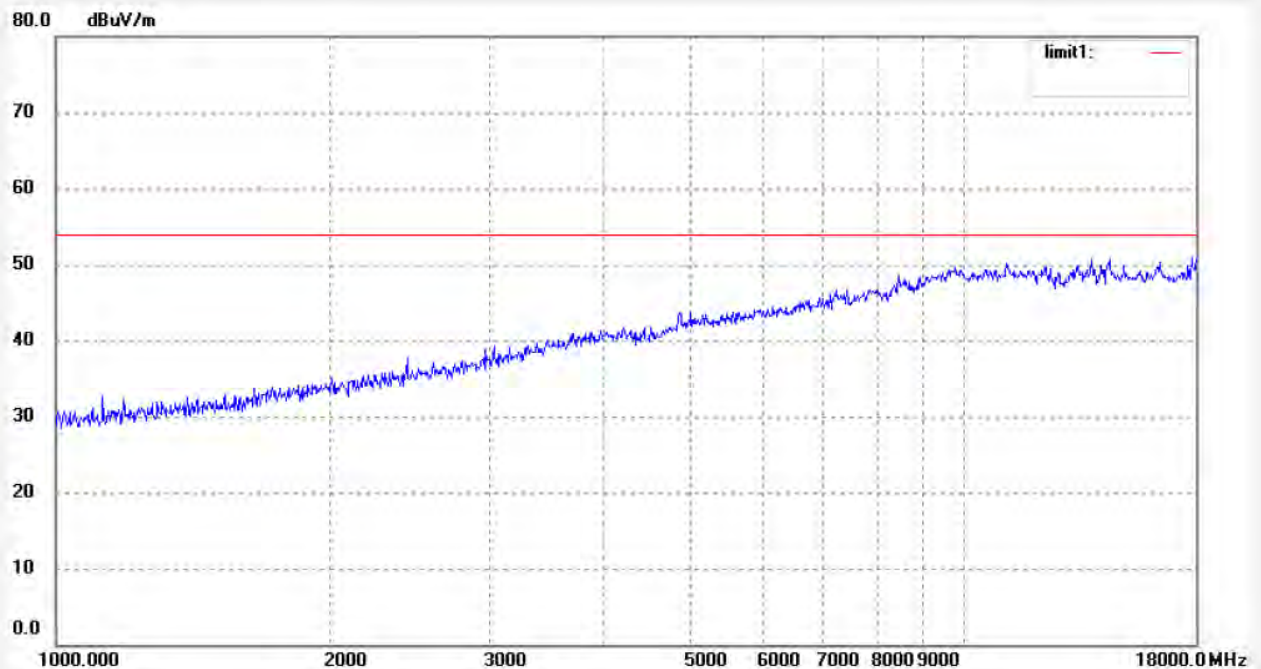
Note: Report No:ATE20131791



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Job No.: alen #1395	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/08/29/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/11/22
EUT: HOLL WIFI Disk	Engineer Signature:
Mode: TX 2452MHz(802.11n)40MHz	Distance: 3m
Model: R220	
Manufacturer: WEI DA HUI ER	

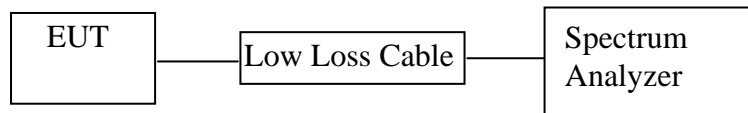
Note: Report No:ATE20131791



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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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).

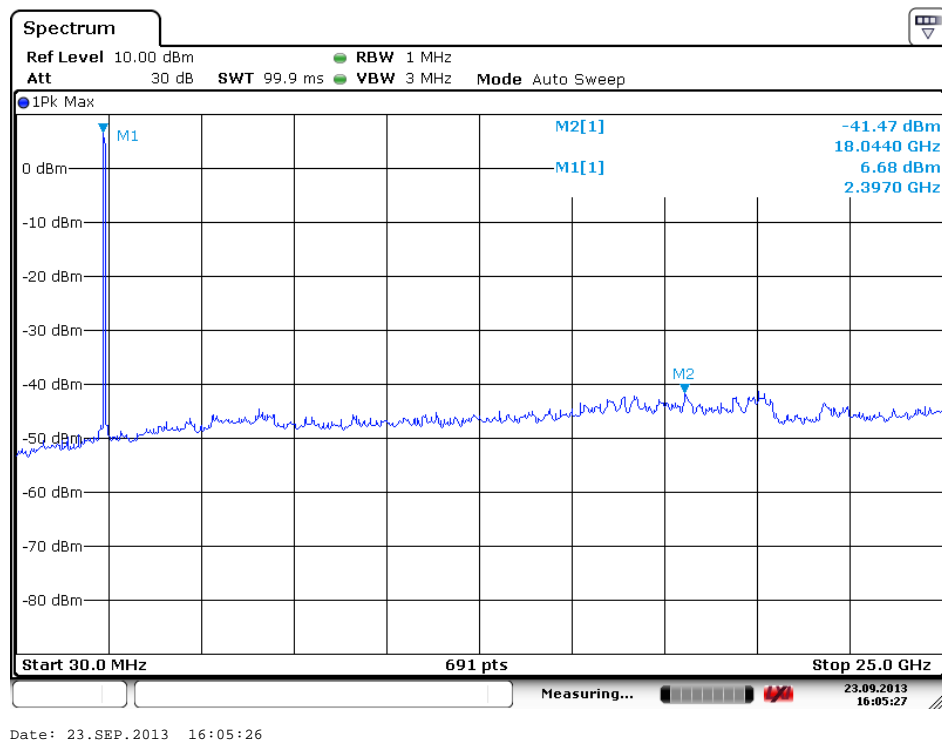
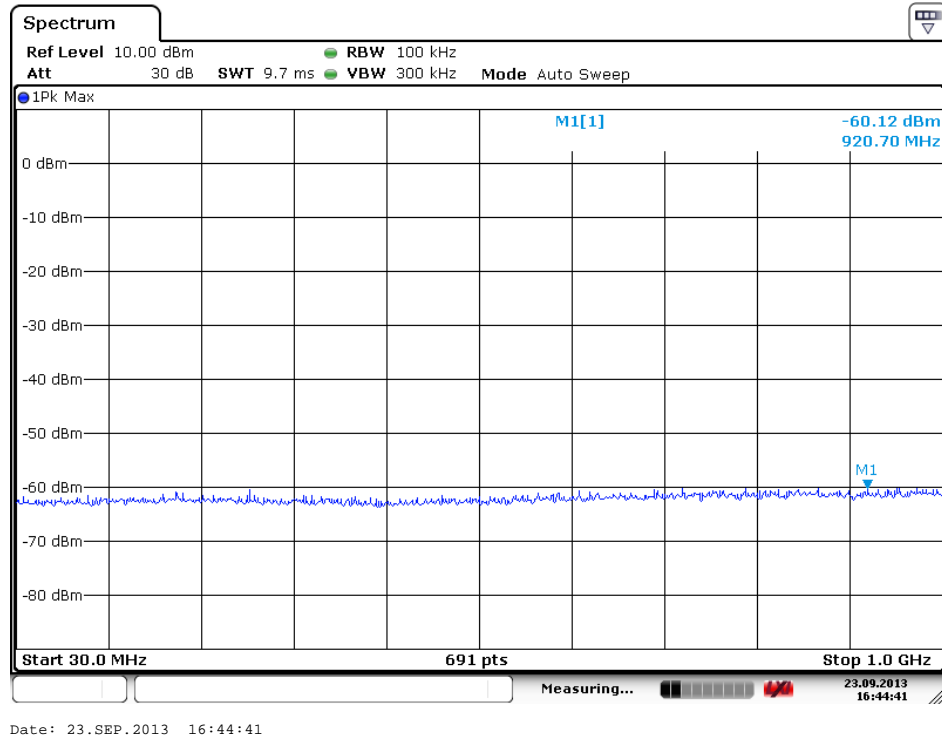
11.5.4. The Conducted Spurious Emission was measured and recorded.

11.6. Test Result

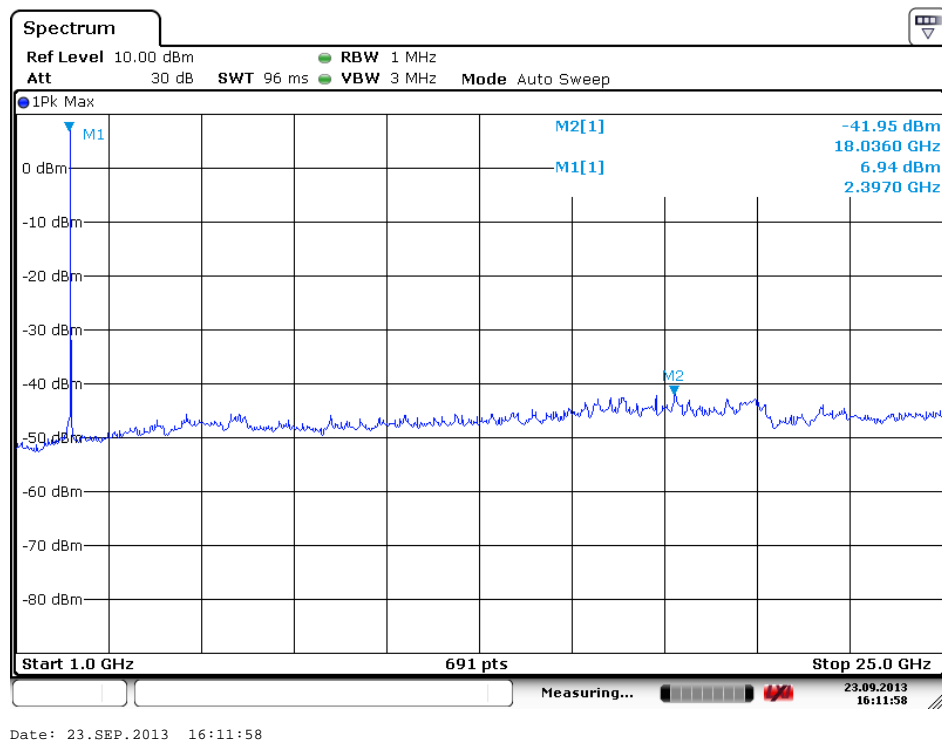
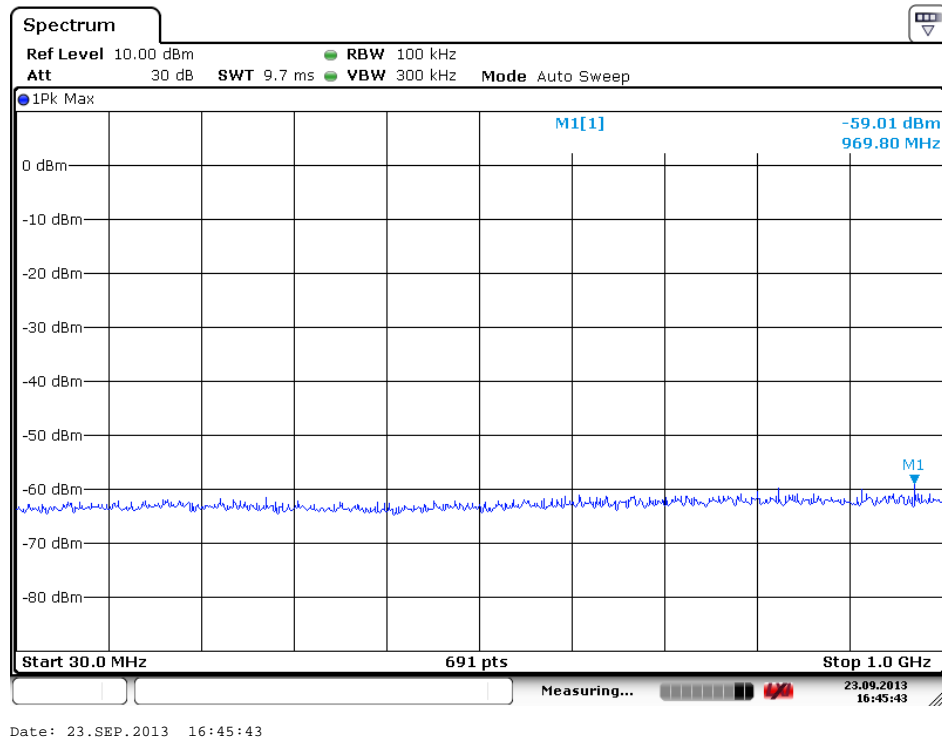
Pass.

The spectrum analyzer plots are attached as below.

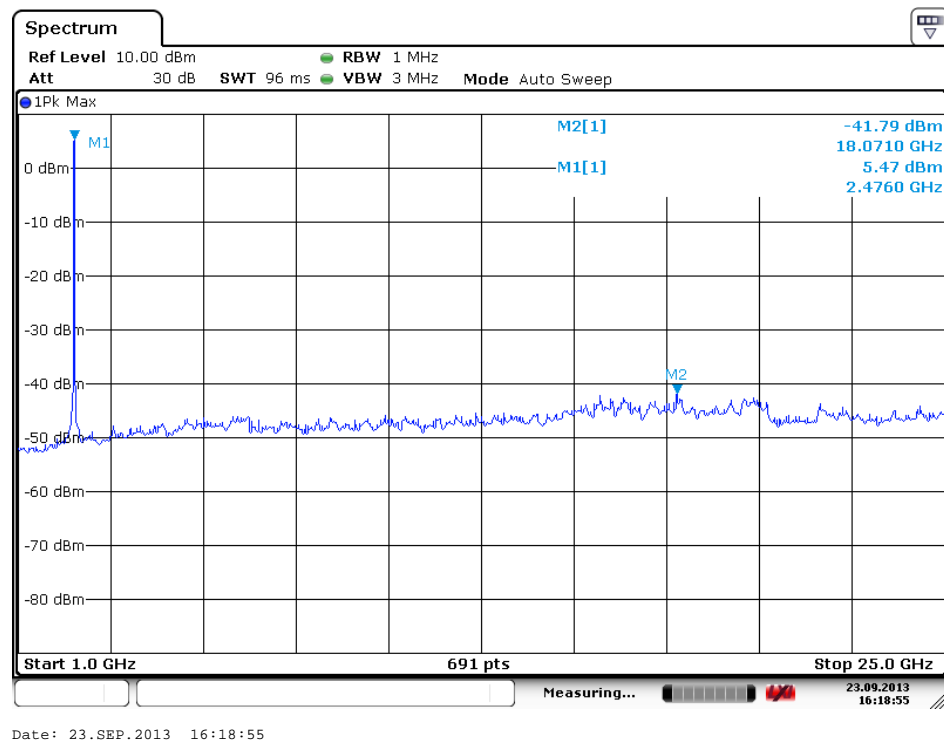
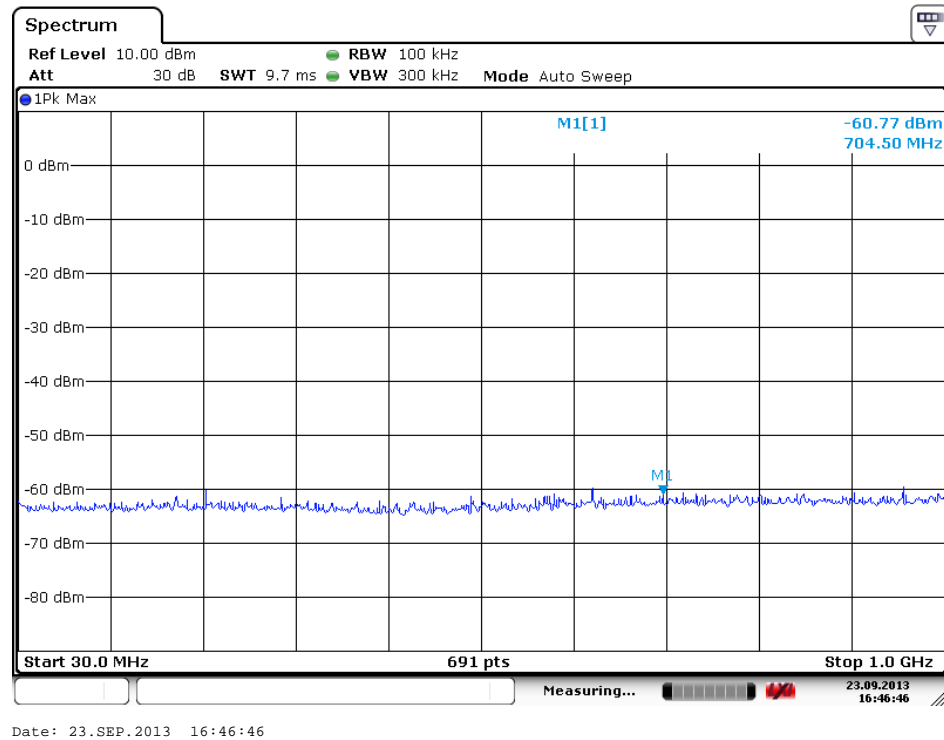
TX 802.11b Channel Low 2412MHz



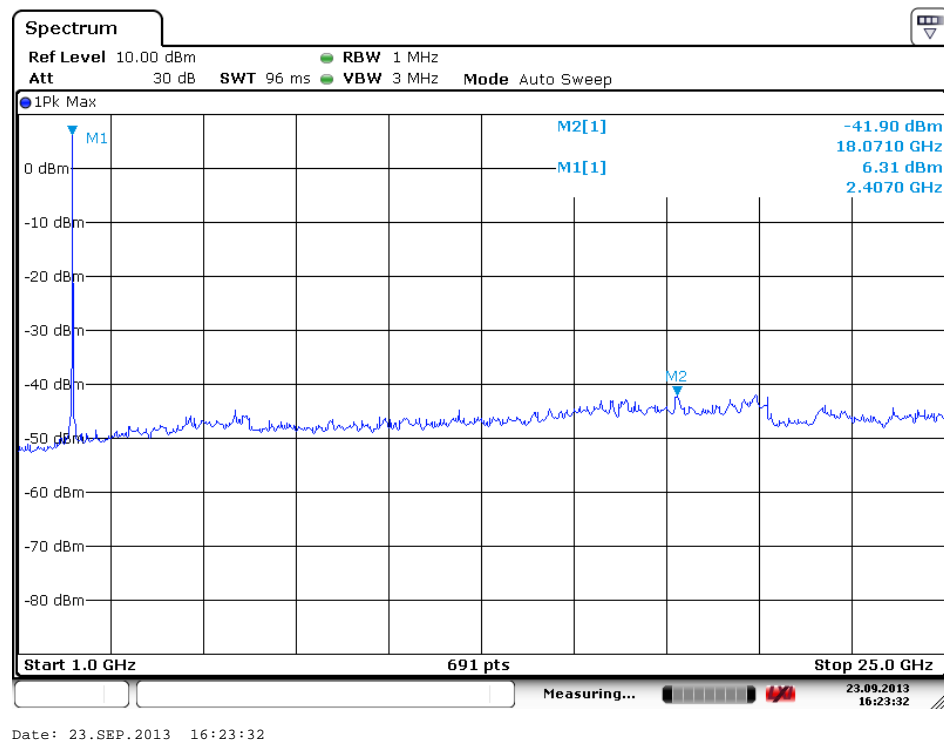
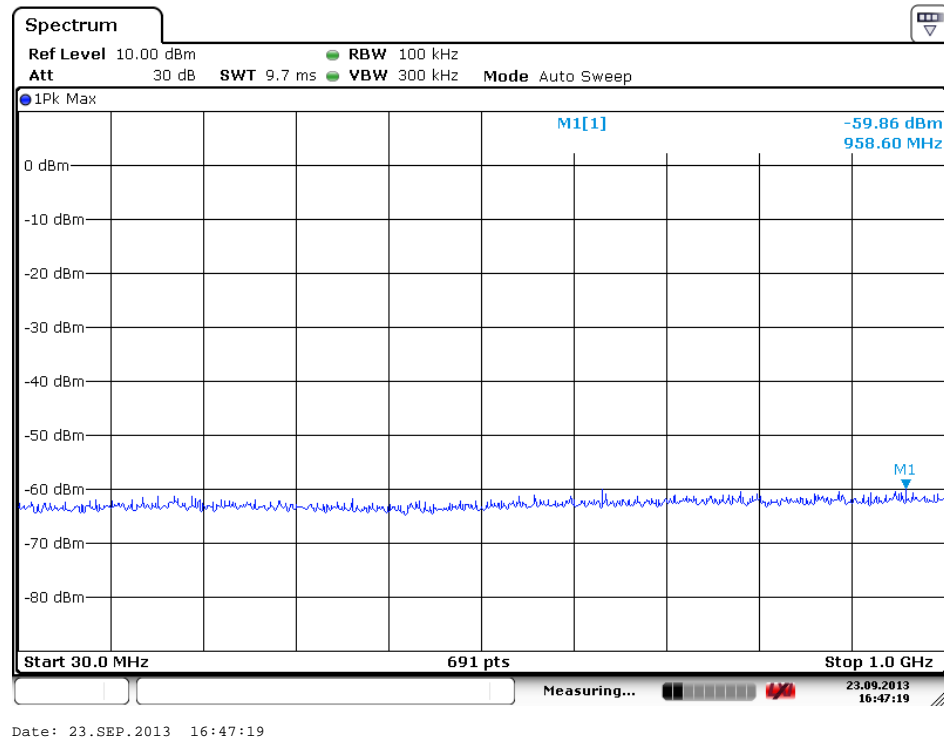
TX 802.11b Channel Middle 2437MHz



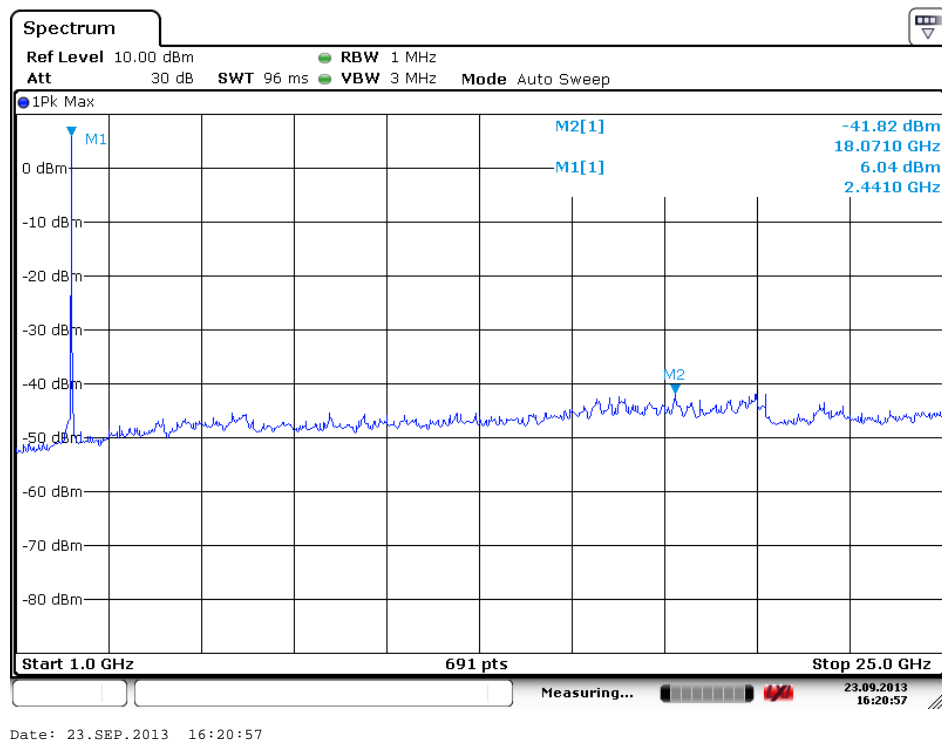
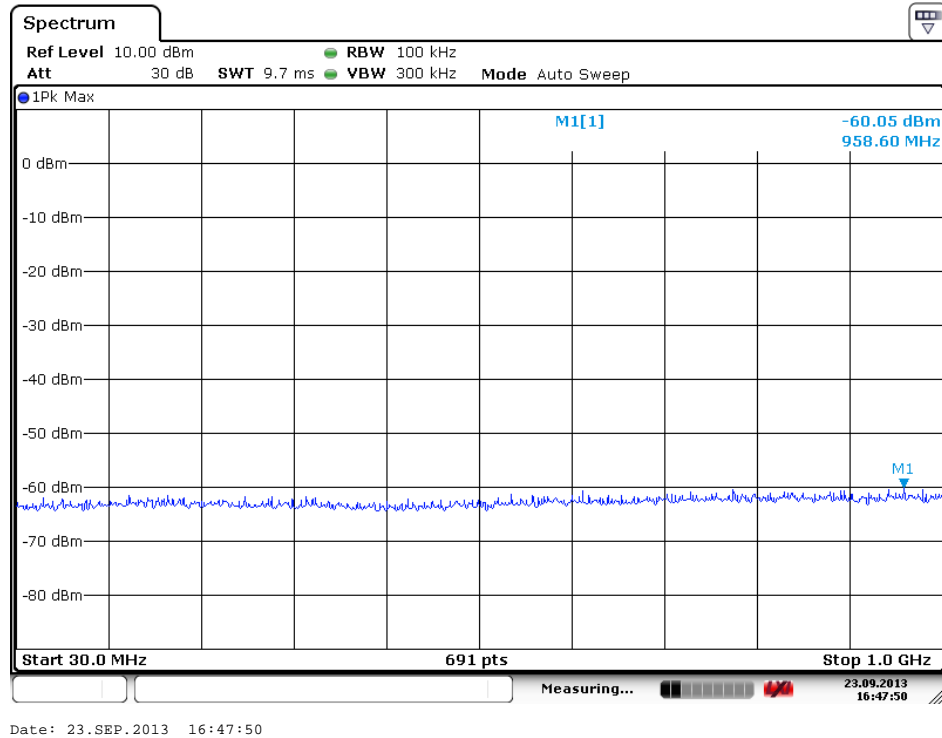
TX 802.11b Channel High 2462MHz



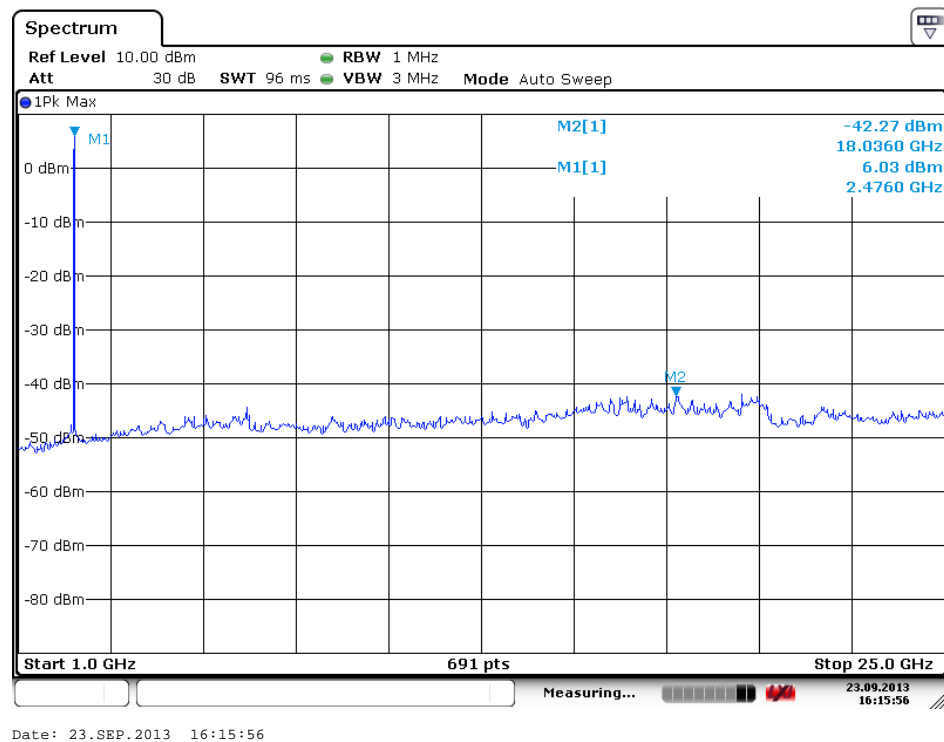
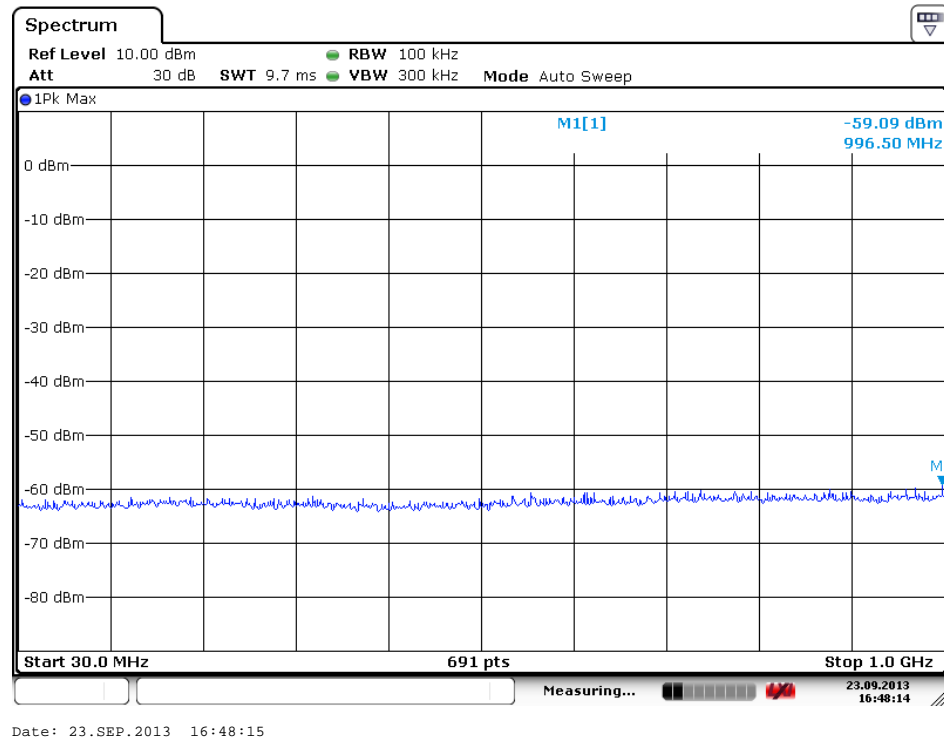
TX 802.11g Channel Low 2412MHz



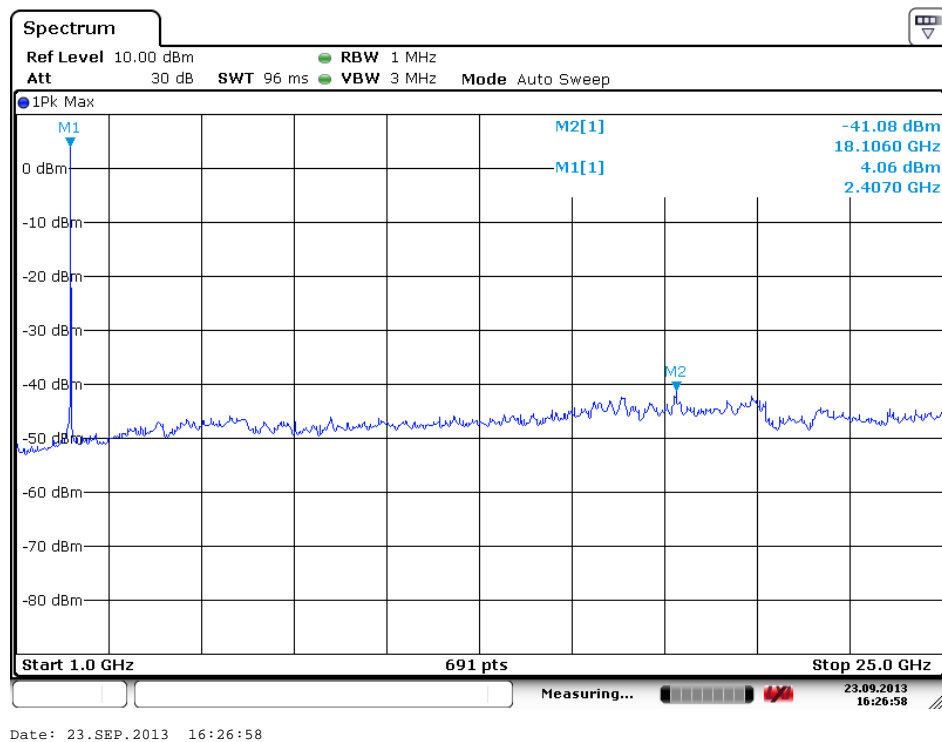
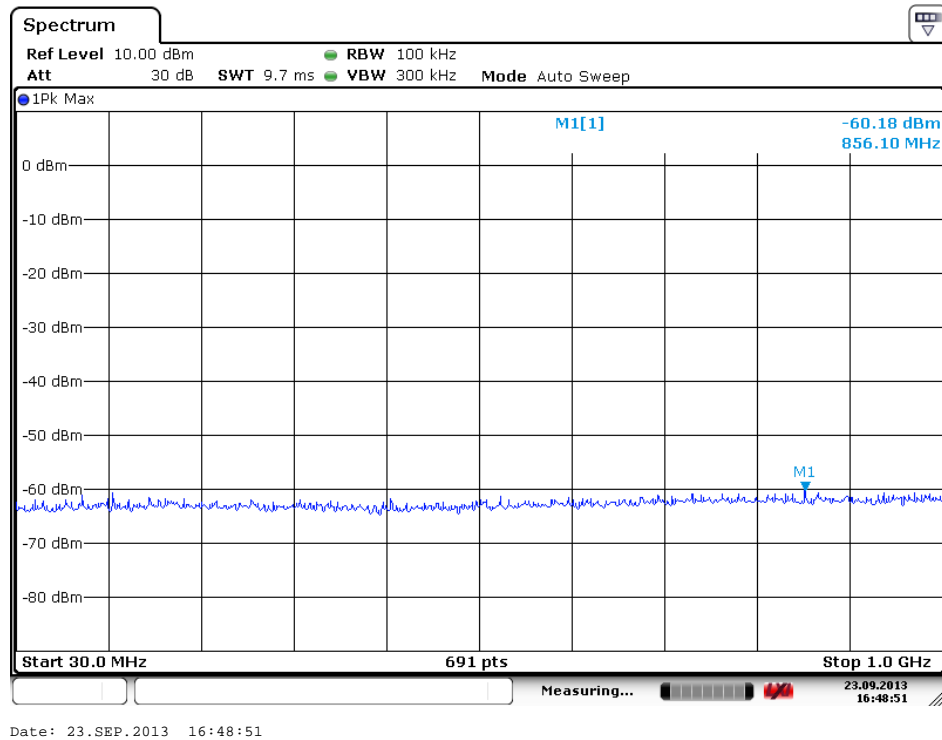
TX 802.11g Channel Middle 2437MHz



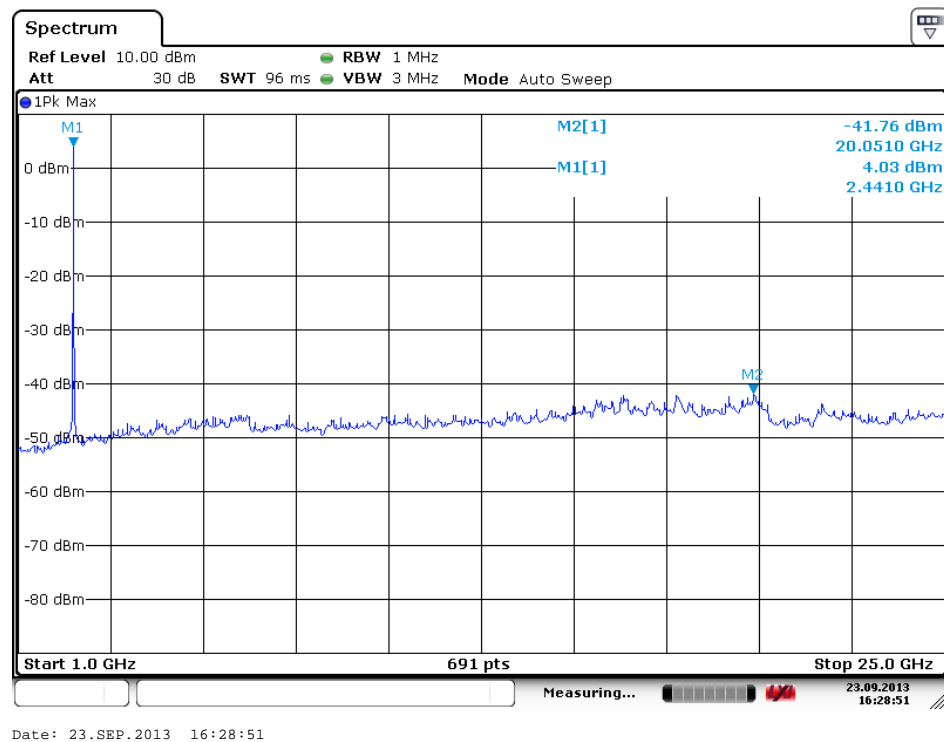
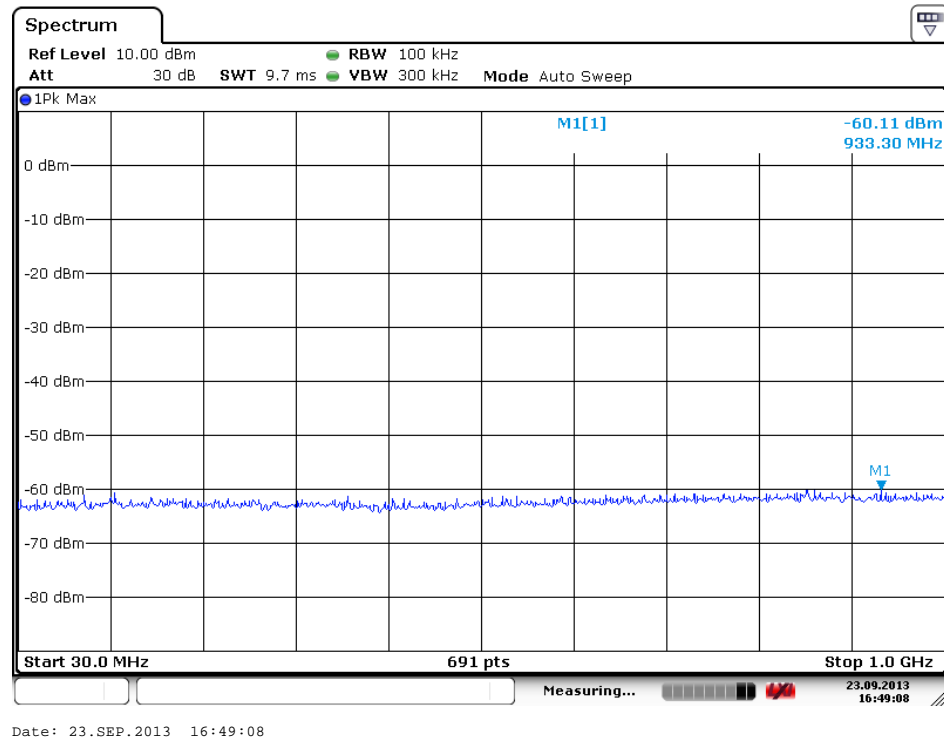
TX 802.11g Channel High 2462MHz



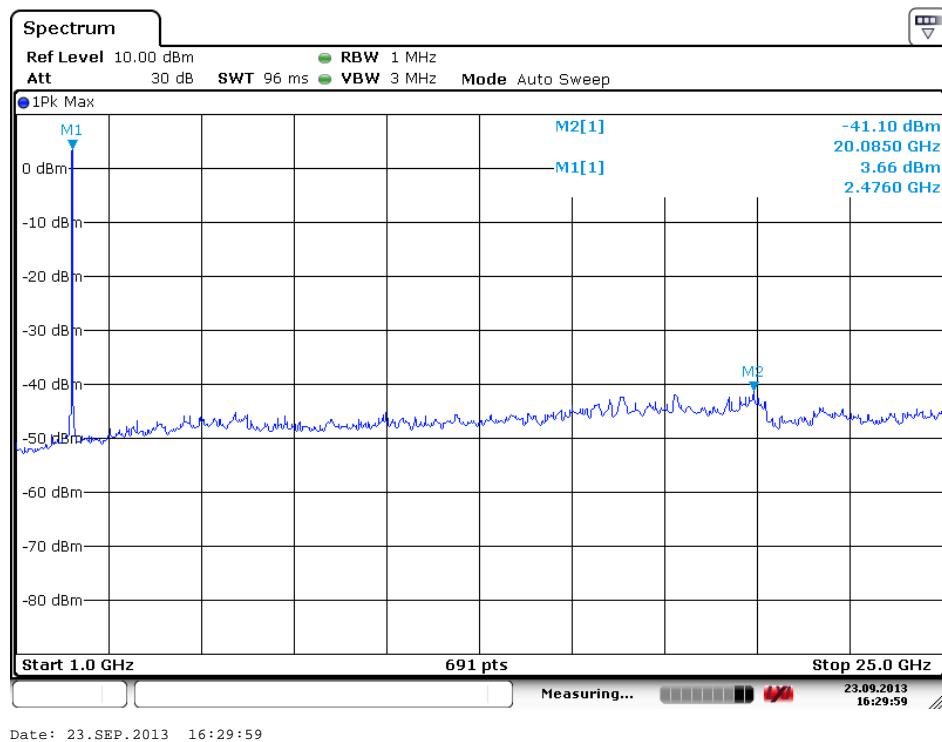
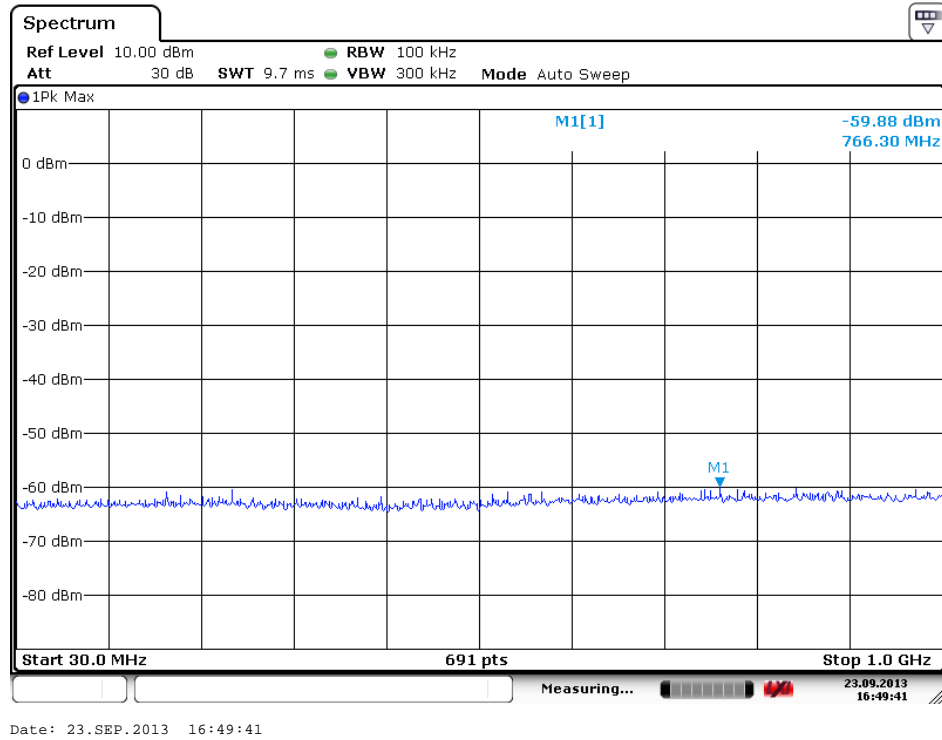
TX 802.11n Channel Low 2412MHz (20MHz)



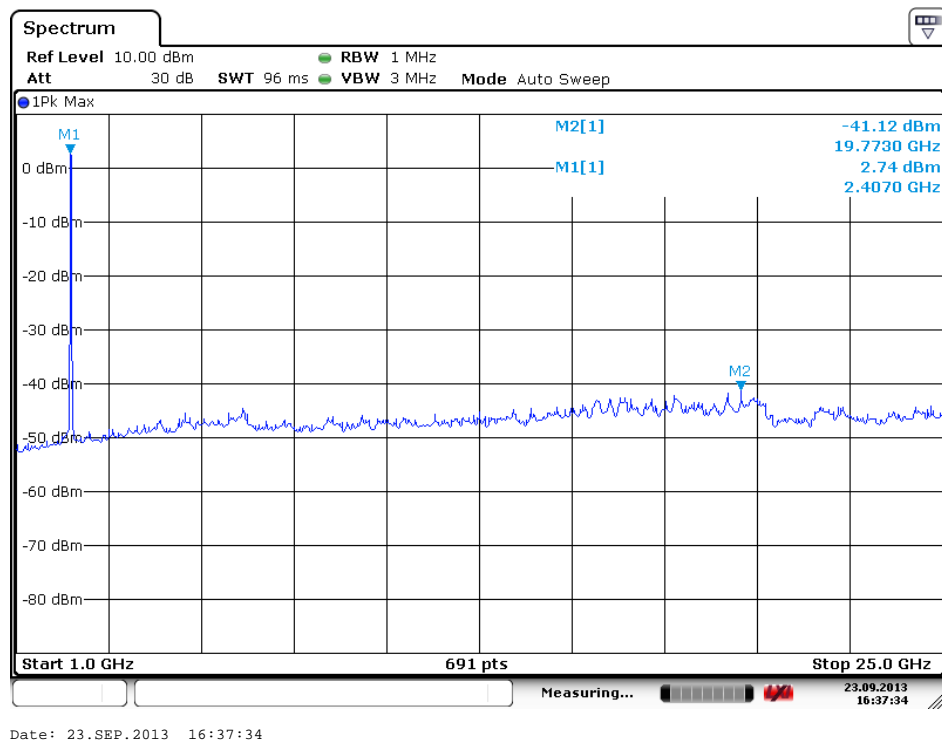
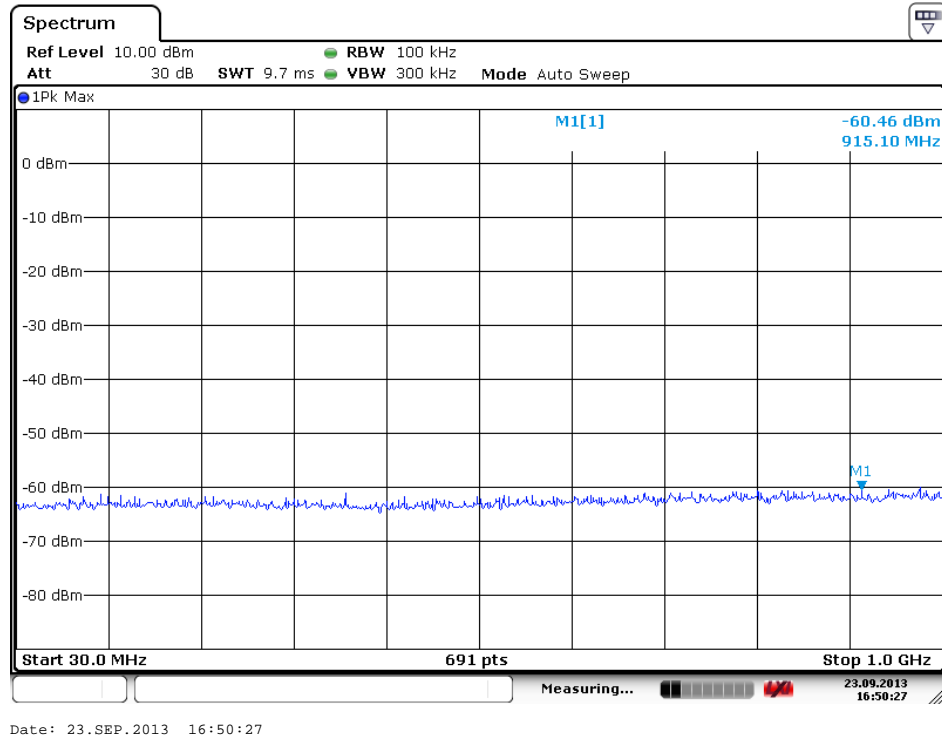
TX 802.11n Channel Middle 2437MHz (20MHz)



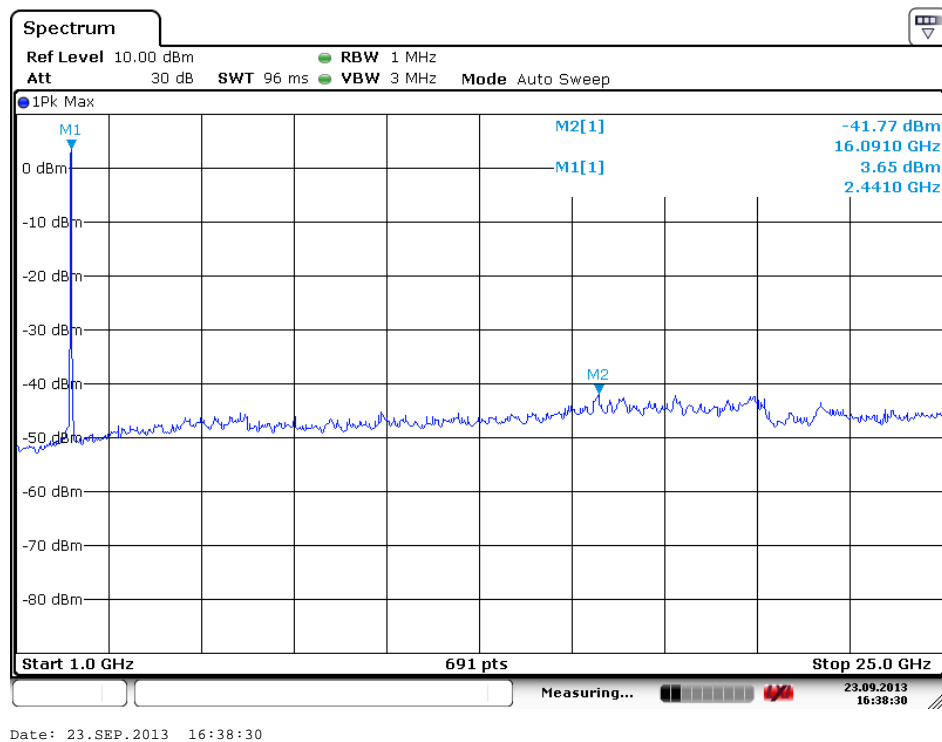
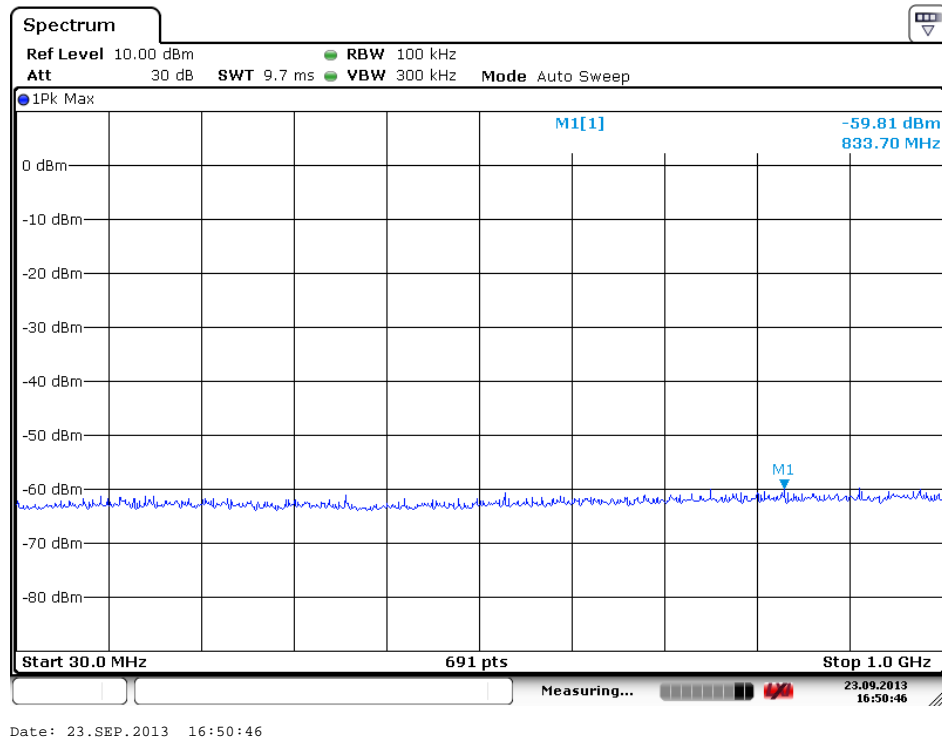
TX 802.11n Channel High 2462MHz (20MHz)



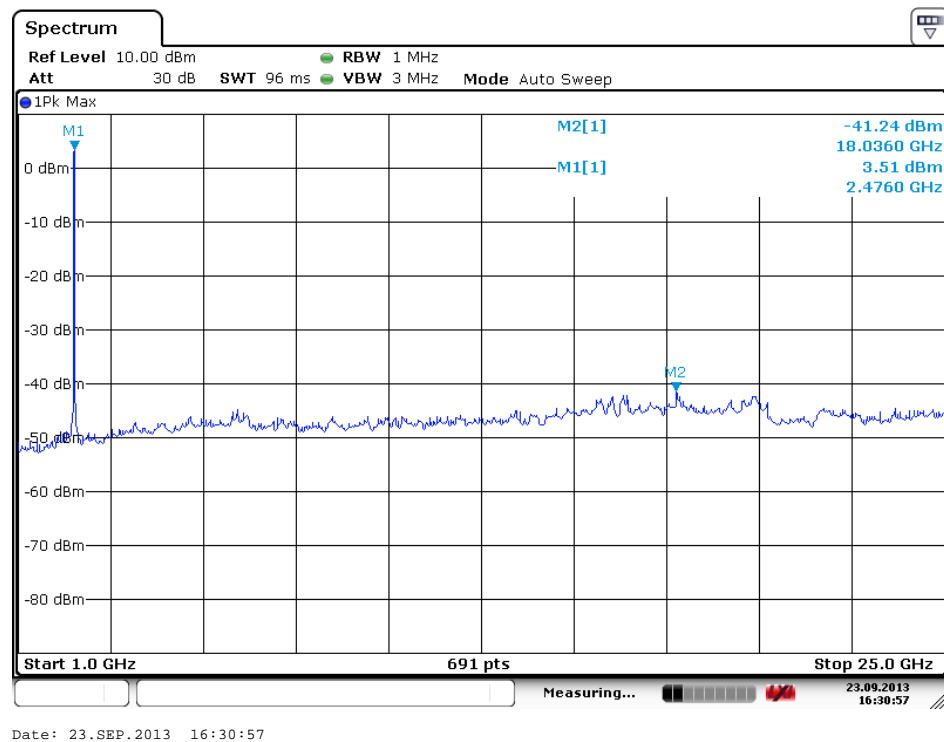
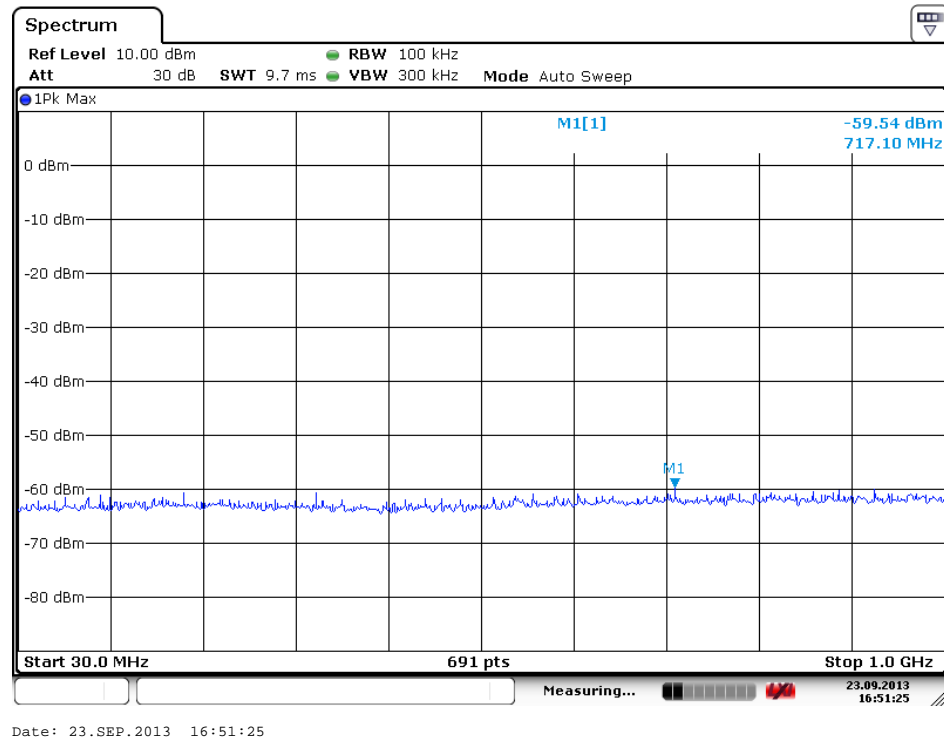
TX 802.11n Channel Low 2422MHz (40MHz)



TX 802.11n Channel Middle 2437MHz (40MHz)



TX 802.11n Channel High 2452MHz (40MHz)



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.

