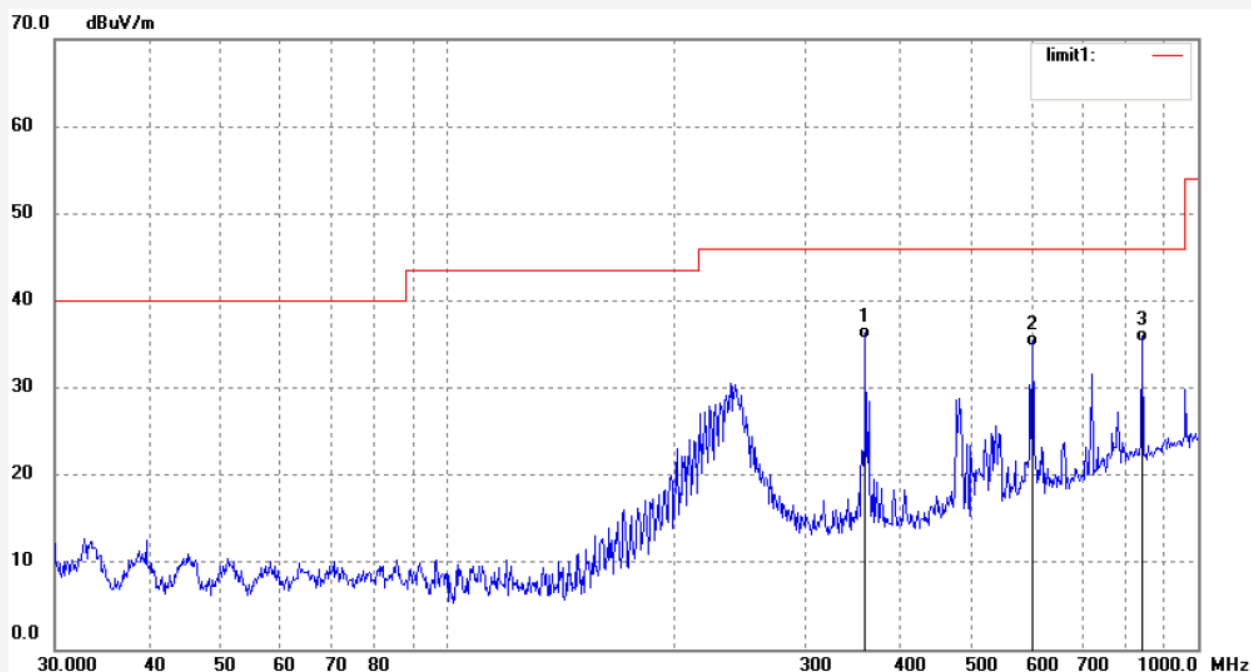


Job No.: ALIEN #1321
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Router&Power Bank
Mode: TX 2462MHz(802.11n20)
Model: MOCA XP
Manufacturer: MaxTAR

Polarization: Horizontal
Power Source: DC 3.7V
Date: 13/11/11/
Time: 17/39/35
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20132359

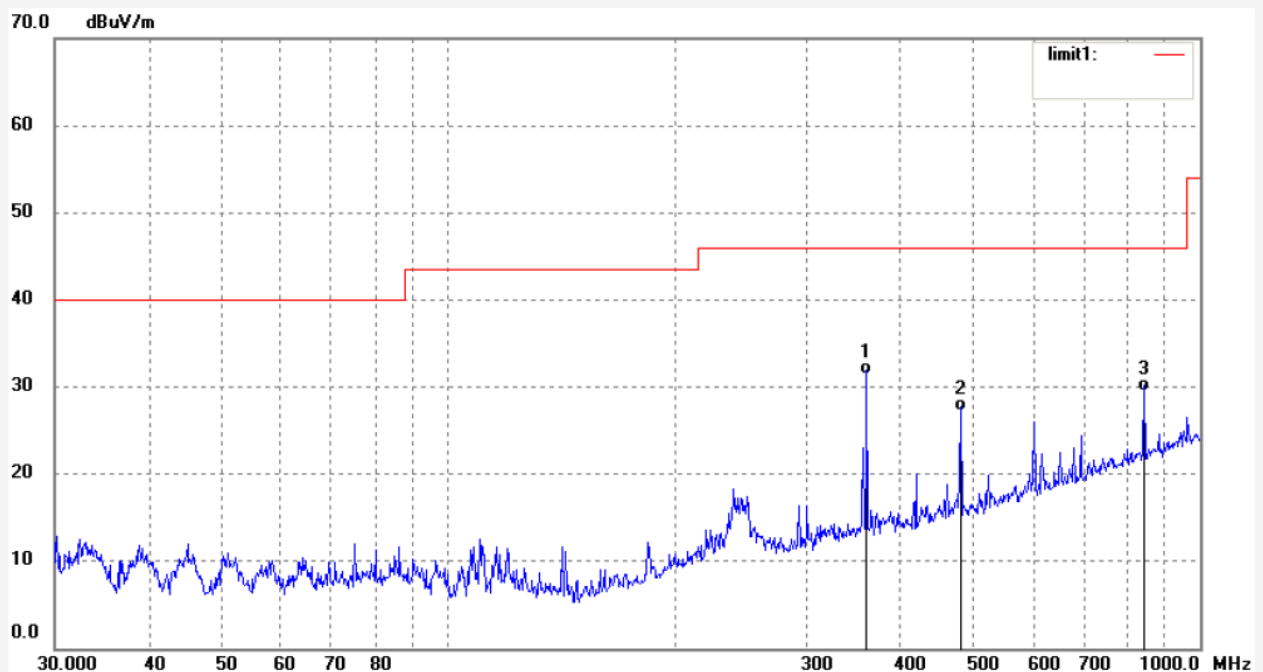


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	360.4476	51.54	-15.92	35.62	46.00	-10.38	QP			
2	601.4265	46.39	-11.65	34.74	46.00	-11.26	QP			
3	842.1295	42.41	-7.10	35.31	46.00	-10.69	QP			

Job No.: ALIEN #1322
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Router&Power Bank
Mode: TX 2462MHz(802.11n20)
Model: MOCA XP
Manufacturer: MaxTAR

Polarization: Vertical
Power Source: DC 3.7V
Date: 13/11/11/
Time: 17/40/18
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20132359

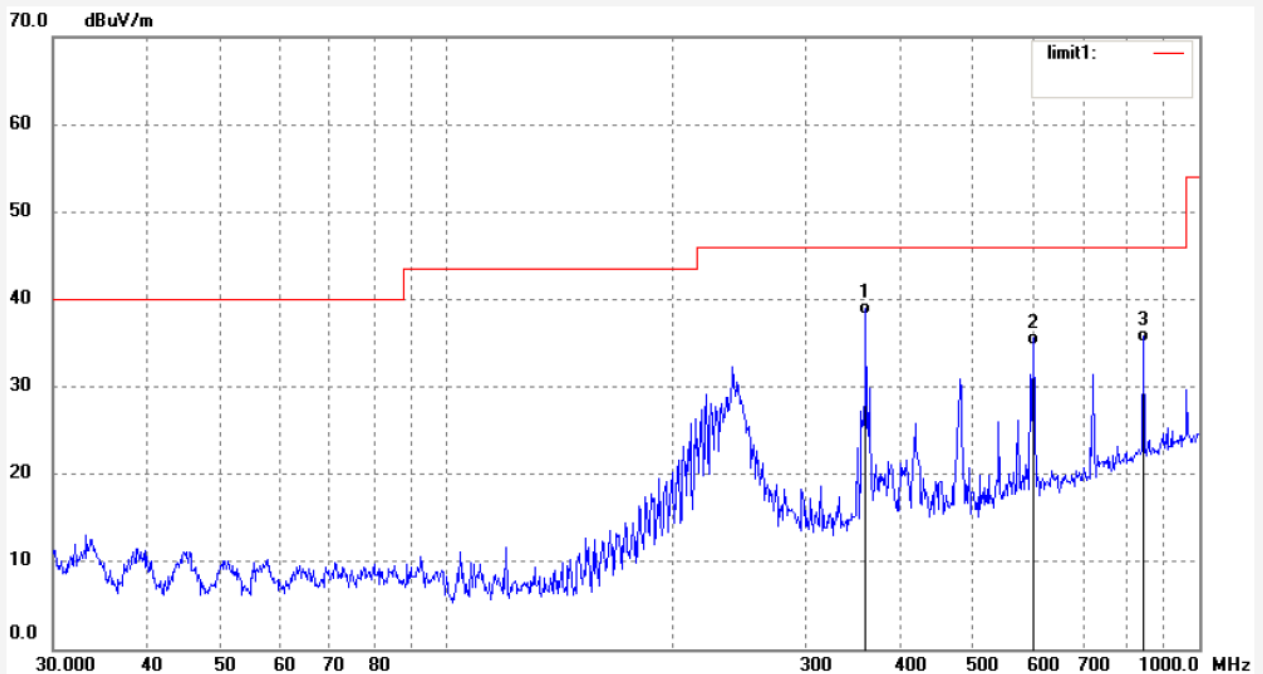


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	360.4476	47.29	-15.92	31.37	46.00	-14.63	QP			
2	480.5276	41.32	-14.16	27.16	46.00	-18.84	QP			
3	842.1295	36.58	-7.10	29.48	46.00	-16.52	QP			

Job No.: ALIEN #1328
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Router&Power Bank
Mode: TX 2422MHz(802.11n40)
Model: MOCA XP
Manufacturer: MaxTAR

Polarization: Horizontal
Power Source: DC 3.7V
Date: 13/11/11/
Time: 17/44/47
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20132359

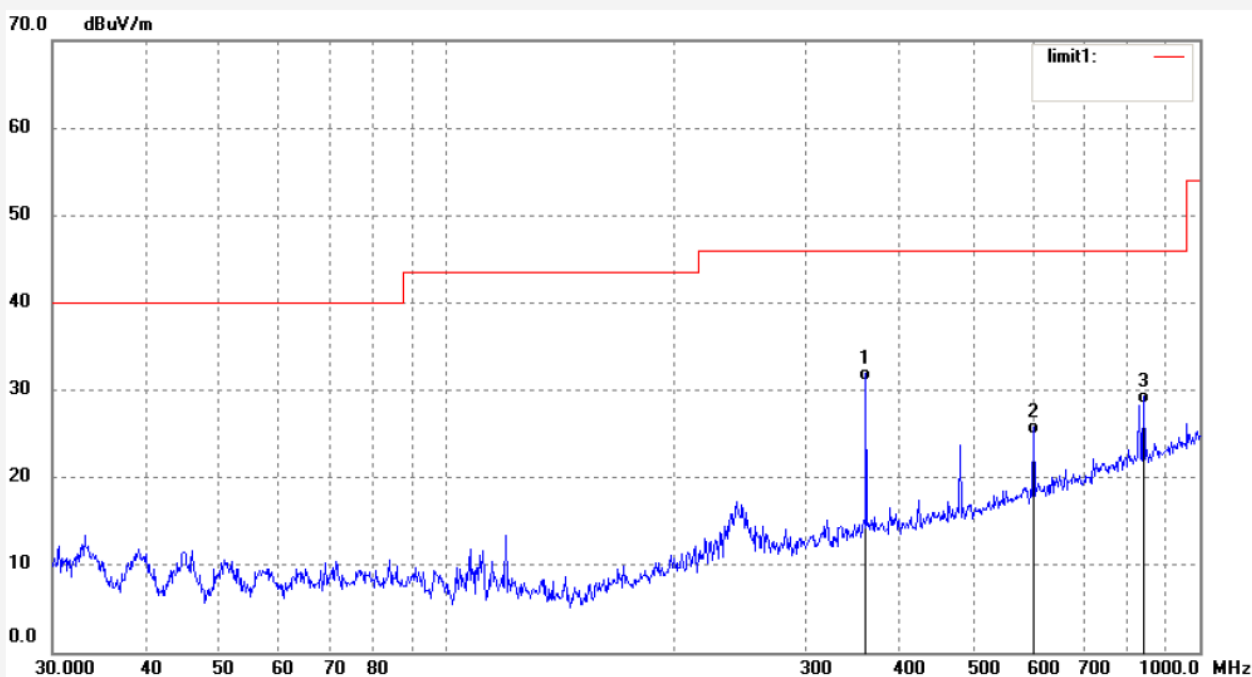


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	360.4476	54.20	-15.92	38.28	46.00	-7.72	QP			
2	601.4265	46.45	-11.65	34.80	46.00	-11.20	QP			
3	842.1295	42.21	-7.10	35.11	46.00	-10.89	QP			

Job No.: ALIEN #1327
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Router&Power Bank
Mode: TX 2422MHz(802.11n40)
Model: MOCA XP
Manufacturer: MaxTAR

Polarization: Vertical
Power Source: DC 3.7V
Date: 13/11/11/
Time: 17/44/00
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20132359

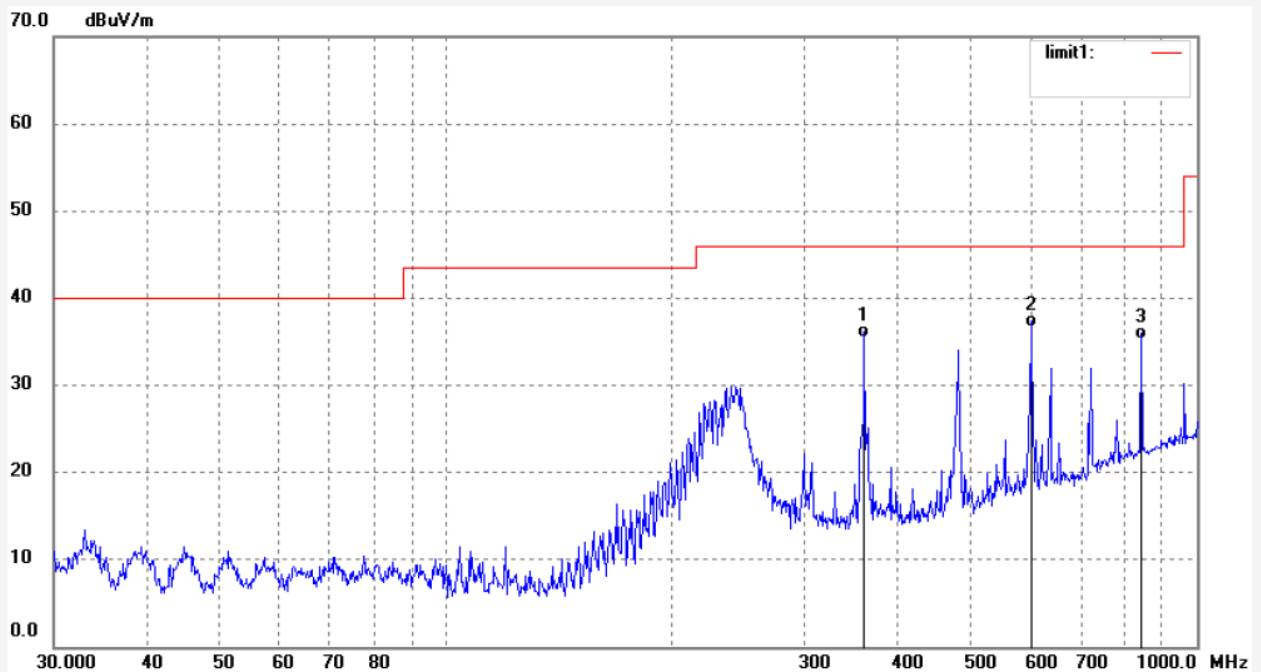


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	360.4476	47.02	-15.92	31.10	46.00	-14.90	QP			
2	601.4265	36.67	-11.65	25.02	46.00	-20.98	QP			
3	842.1295	35.61	-7.10	28.51	46.00	-17.49	QP			

Job No.: ALIEN #1325
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Router&Power Bank
Mode: TX 2437MHz(802.11n40)
Model: MOCA XP
Manufacturer: MaxTAR

Polarization: Horizontal
Power Source: DC 3.7V
Date: 13/11/11/
Time: 17/42/28
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20132359

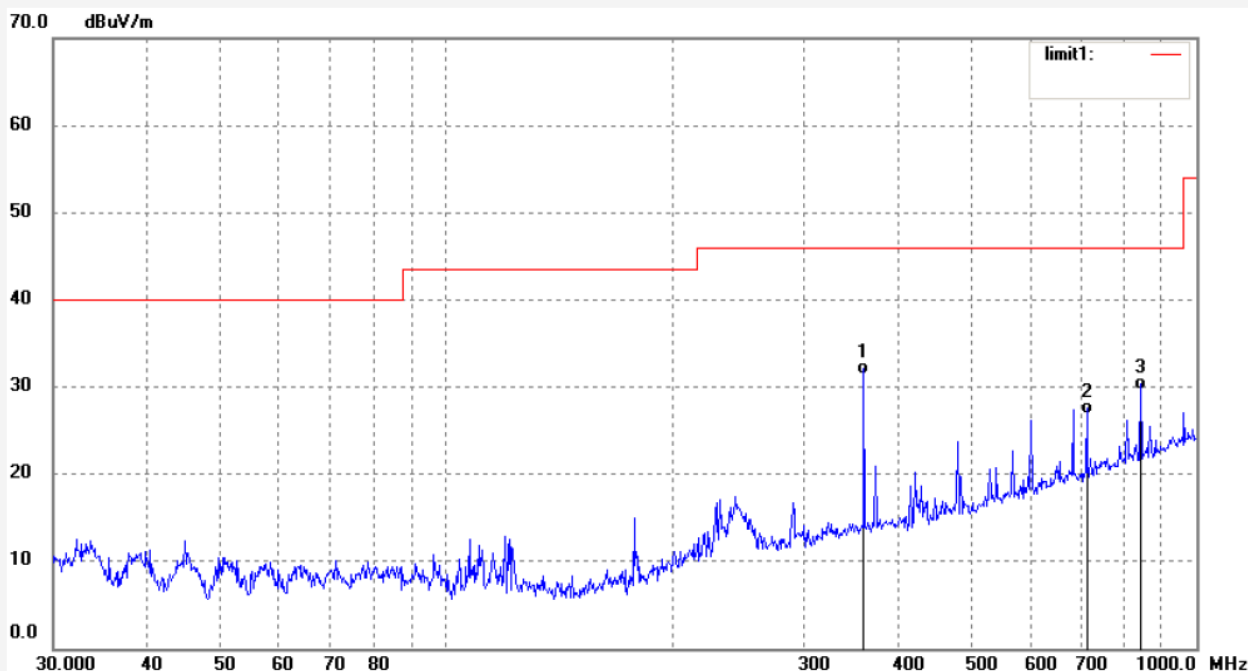


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	360.4476	51.36	-15.92	35.44	46.00	-10.56	QP			
2	601.4265	48.32	-11.65	36.67	46.00	-9.33	QP			
3	842.1295	42.35	-7.10	35.25	46.00	-10.75	QP			

Job No.: ALIEN #1326
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Router&Power Bank
Mode: TX 2437MHz(802.11n40)
Model: MOCA XP
Manufacturer: MaxTAR

Polarization: Vertical
Power Source: DC 3.7V
Date: 13/11/11/
Time: 17/43/15
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20132359

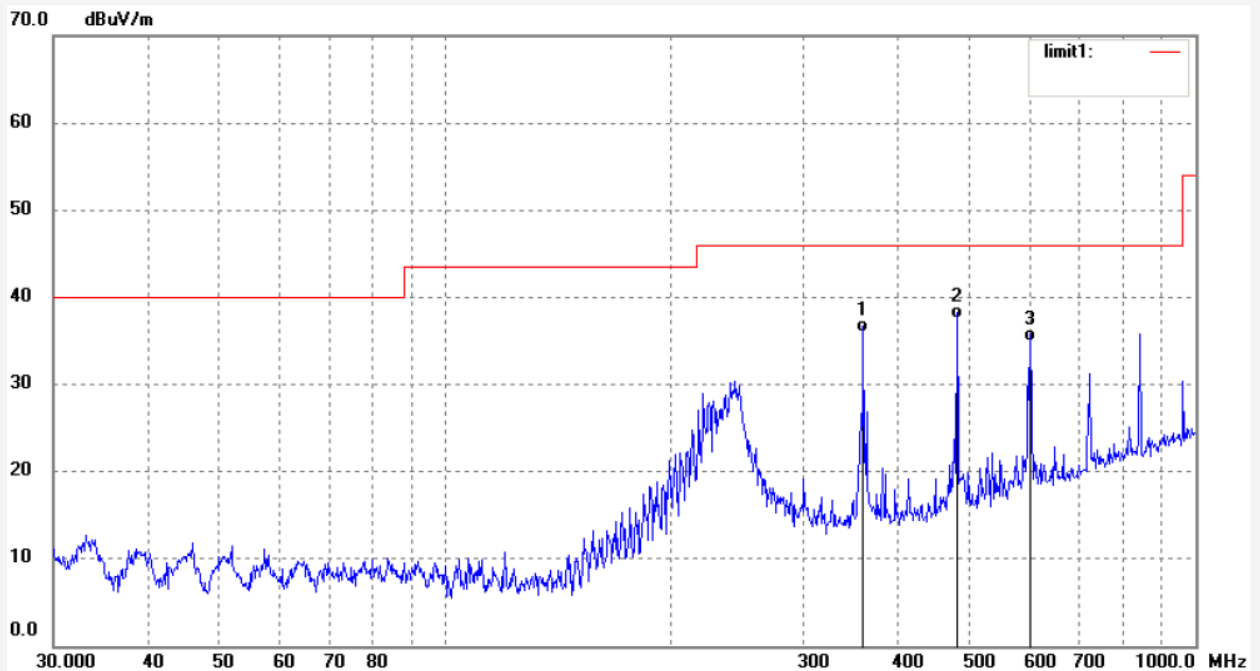


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	360.4476	47.39	-15.92	31.47	46.00	-14.53	QP			
2	714.1734	36.38	-9.46	26.92	46.00	-19.08	QP			
3	842.1295	36.78	-7.10	29.68	46.00	-16.32	QP			

Job No.: ALIEN #1324
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Router&Power Bank
Mode: TX 2452MHz(802.11n40)
Model: MOCA XP
Manufacturer: MaxTAR

Polarization: Horizontal
Power Source: DC 3.7V
Date: 13/11/11/
Time: 17/41/43
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20132359

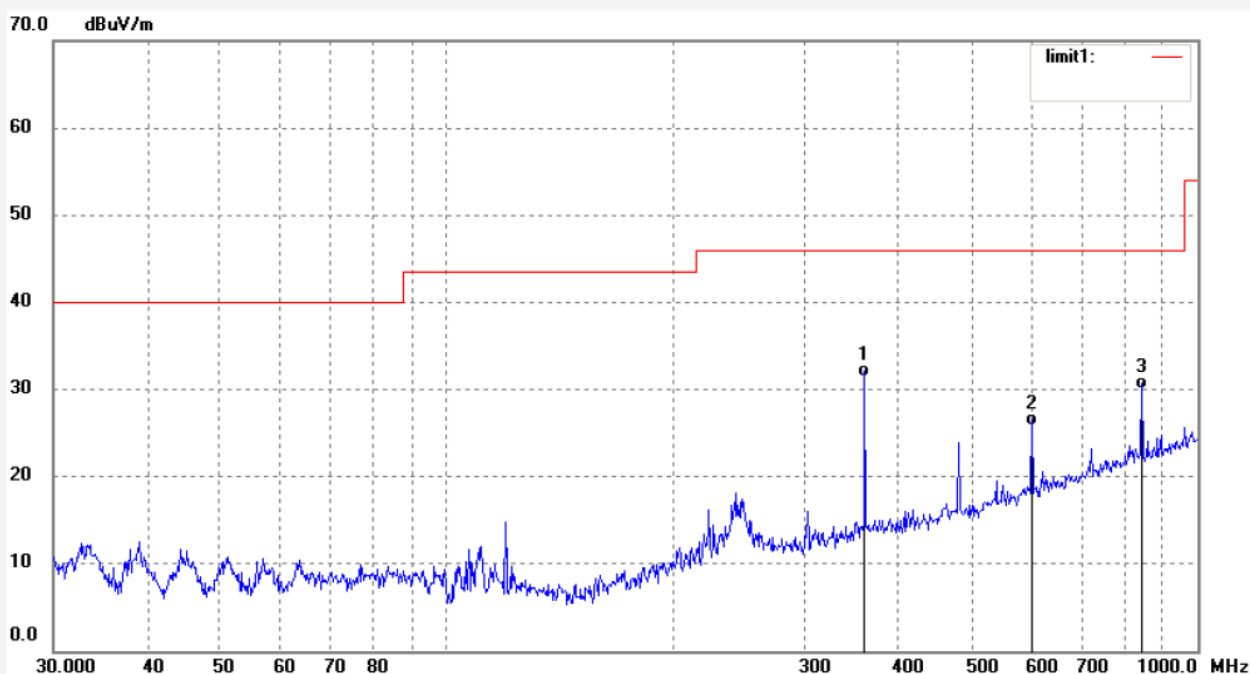


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	360.4476	51.89	-15.92	35.97	46.00	-10.03	QP			
2	480.5276	51.75	-14.16	37.59	46.00	-8.41	QP			
3	601.4265	46.65	-11.65	35.00	46.00	-11.00	QP			

Job No.: ALIEN #1323
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Router&Power Bank
Mode: TX 2452MHz(802.11n40)
Model: MOCA XP
Manufacturer: MaxTAR

Polarization: Vertical
Power Source: DC 3.7V
Date: 13/11/11/
Time: 17/40/57
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20132359



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	360.4476	47.34	-15.92	31.42	46.00	-14.58	QP			
2	601.4265	37.54	-11.65	25.89	46.00	-20.11	QP			
3	842.1295	37.10	-7.10	30.00	46.00	-16.00	QP			

Above 1G



ACCURATE TECHNOLOGY CO., LTD.

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 #1369

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Wireless Router&Power Bank

Mode: TX 2412MHz(802.11b)

Model: MOCA XP

Manufacturer: MaxTAR

Polarization: Horizontal

Power Source: DC 3.7V

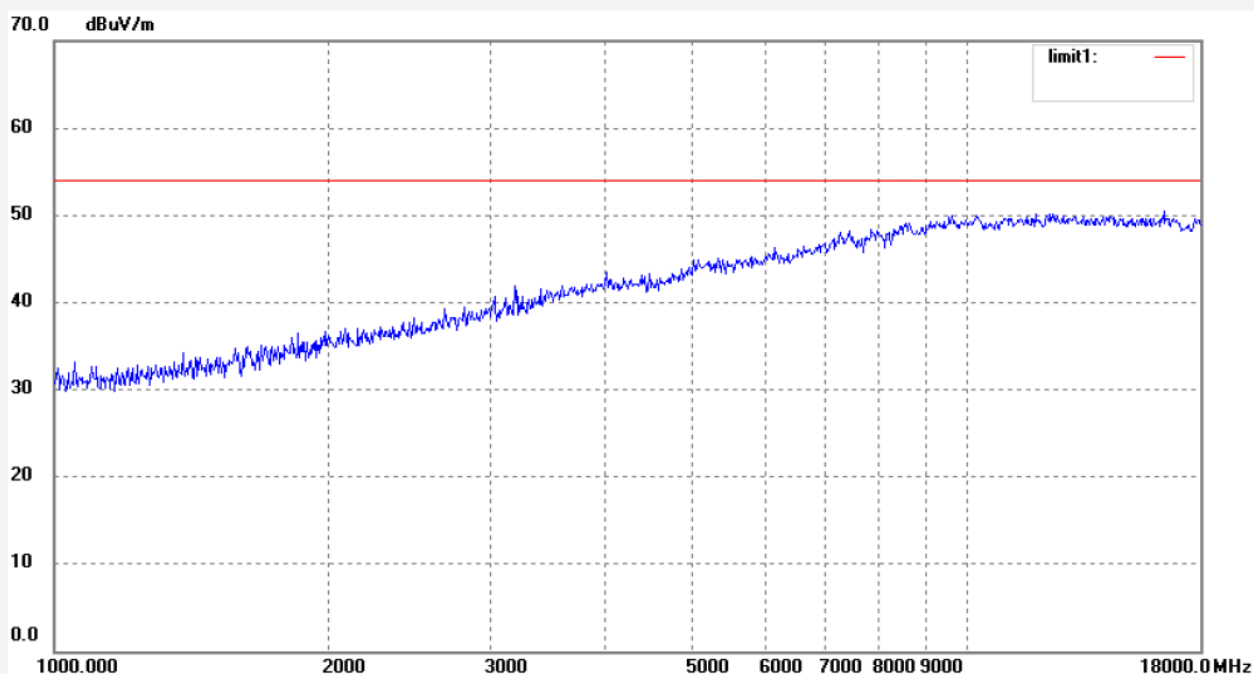
Date: 2013/11/22

Time: 12:05:31

Engineer Signature:

Distance: 3m

Note: Report No:ATE20132359

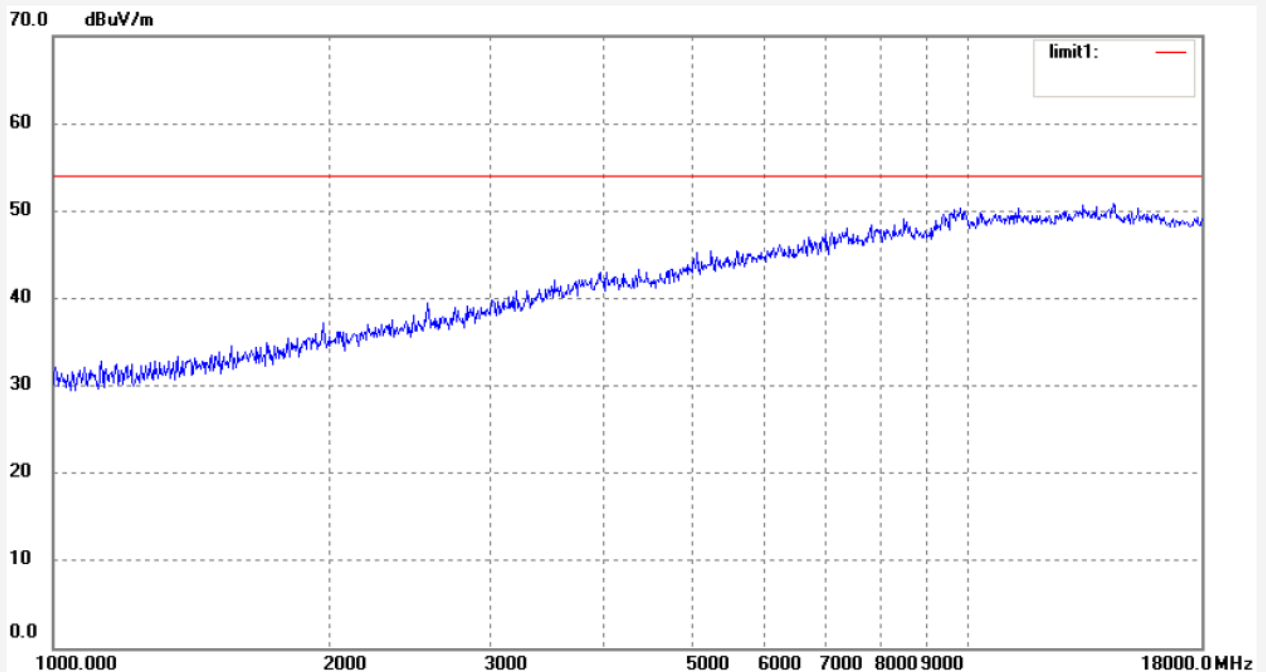


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Job No.: alen #1370
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Router&Power Bank
Mode: TX 2412MHz(802.11b)
Model: MOCA XP
Manufacturer: MaxTAR

Polarization: Vertical
Power Source: DC 3.7V
Date: 2013/11/22
Time: 12:06:08
Engineer Signature:
Distance: 3m

Note: Report No:ATE20132359



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 #1372

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Wireless Router&Power Bank

Mode: TX 2437MHz(802.11b)

Model: MOCA XP

Manufacturer: MaxTAR

Polarization: Horizontal

Power Source: DC 3.7V

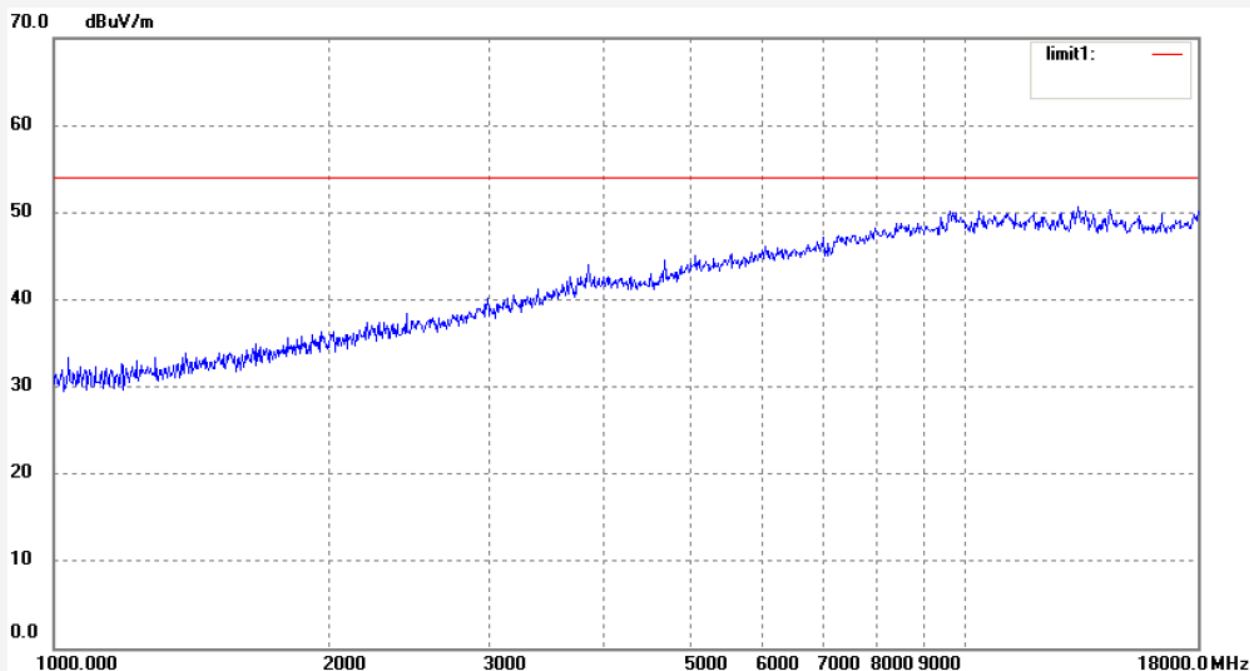
Date: 2013/11/22

Time: 12:08:23

Engineer Signature:

Distance: 3m

Note: Report No:ATE20132359



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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ACCURATE TECHNOLOGY CO., LTD.

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 #1371

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Wireless Router&Power Bank

Mode: TX 2437MHz(802.11b)

Model: MOCA XP

Manufacturer: MaxTAR

Polarization: Vertical

Power Source: DC 3.7V

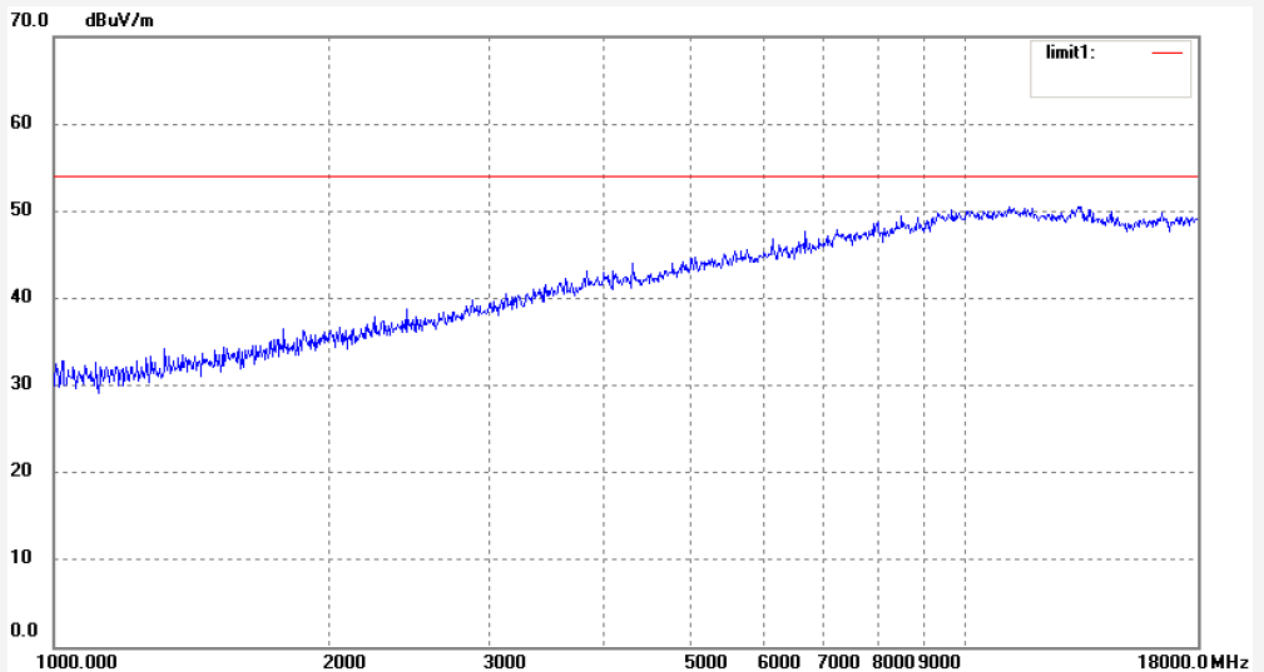
Date: 2013/11/22

Time: 12:07:41

Engineer Signature:

Distance: 3m

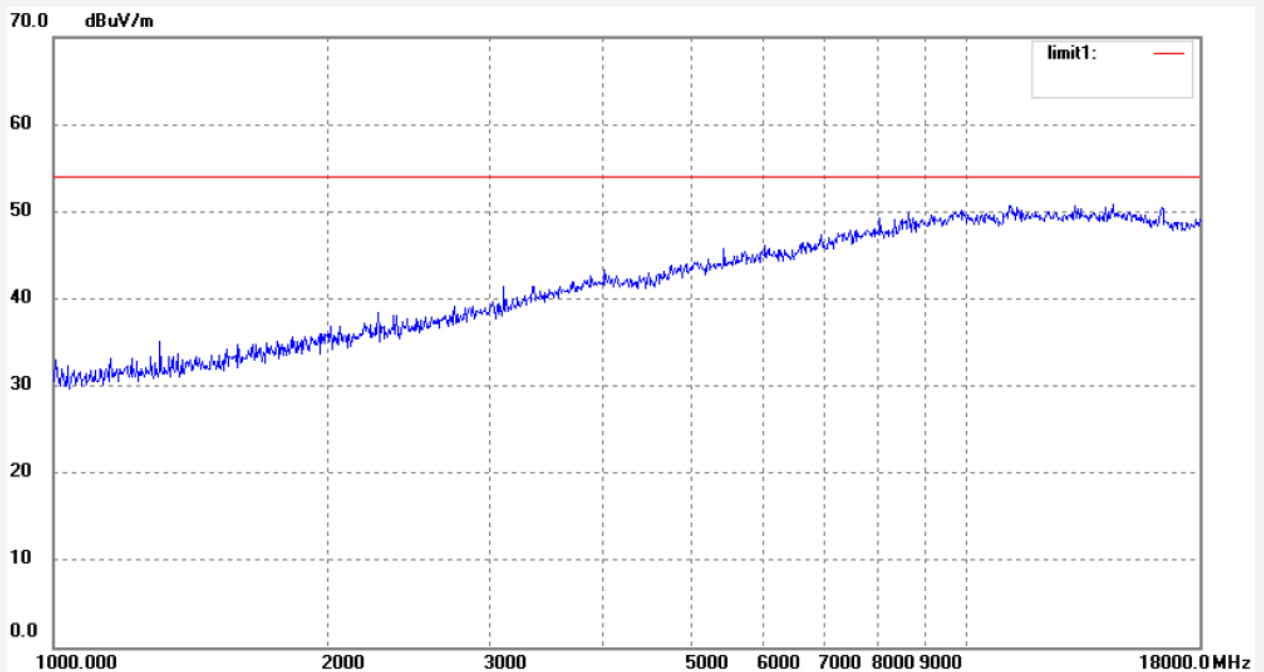
Note: Report No:ATE20132359



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 #1373	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 2013/11/22
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 12:09:49
EUT: Wireless Router&Power Bank	Engineer Signature:
Mode: TX 2462MHz(802.11b)	Distance: 3m
Model: MOCA XP	
Manufacturer: MaxTAR	

Note: Report No:ATE20132359

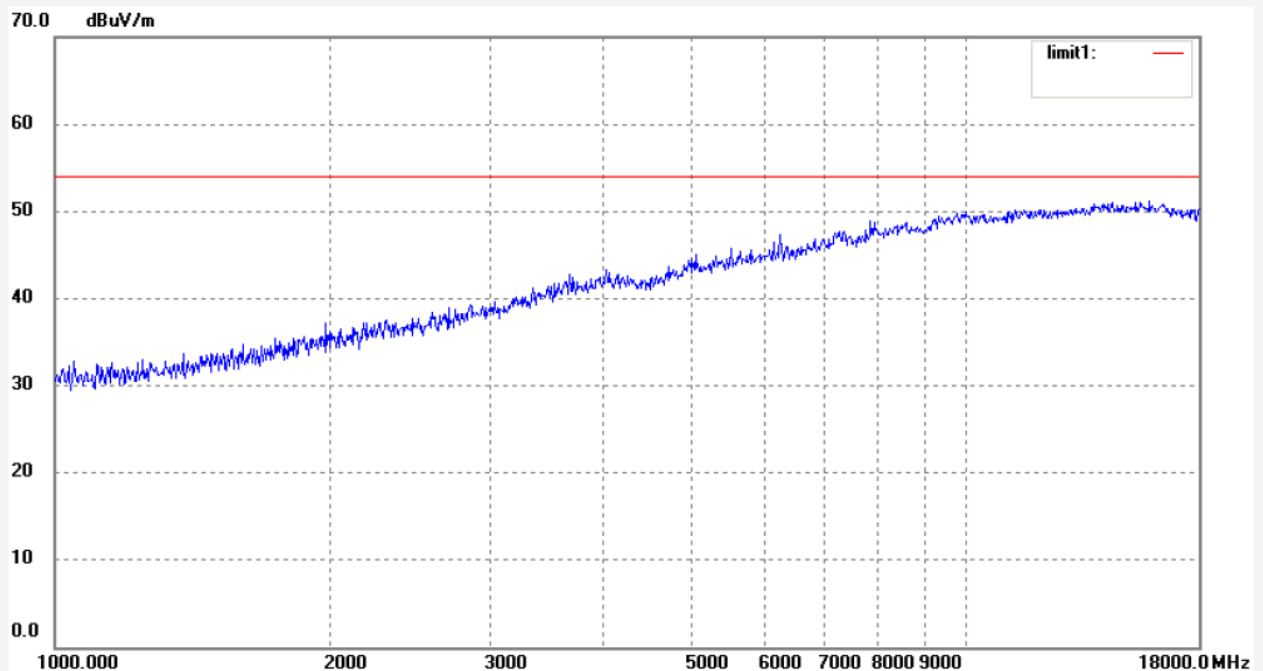


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Job No.: alen #1374
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Router&Power Bank
Mode: TX 2462MHz(802.11b)
Model: MOCA XP
Manufacturer: MaxTAR

Polarization: Vertical
Power Source: DC 3.7V
Date: 2013/11/22
Time: 12:10:26
Engineer Signature:
Distance: 3m

Note: Report No:ATE20132359

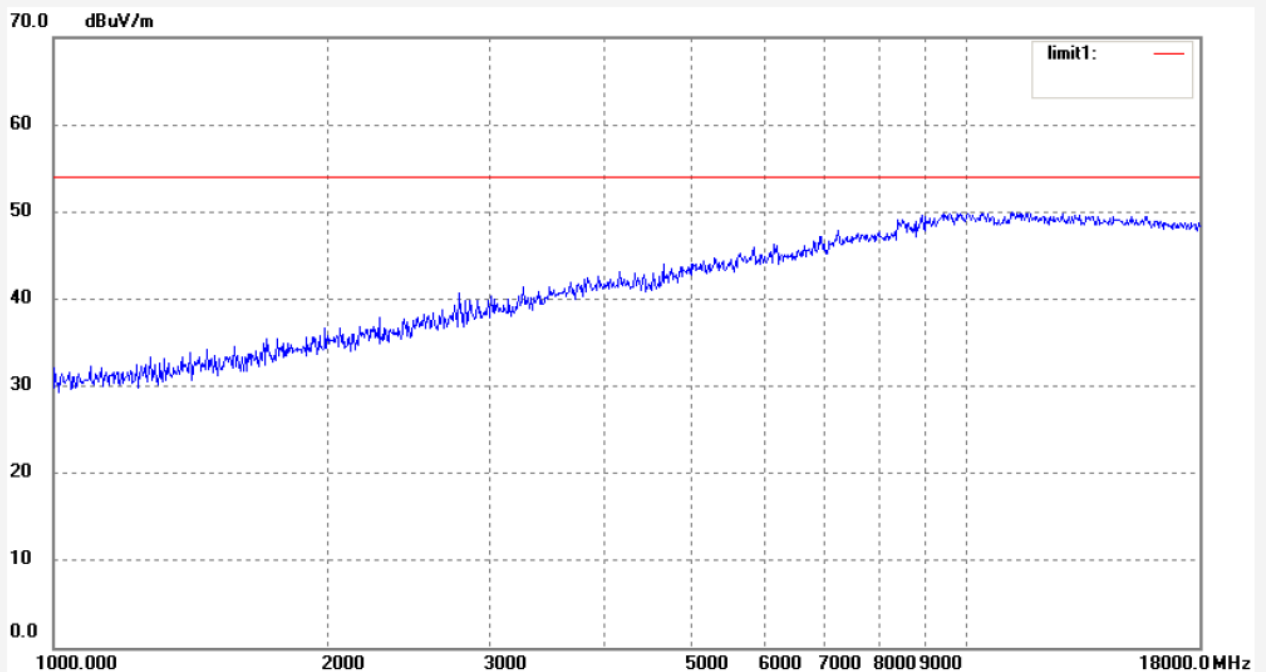


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Job No.: alen #1368
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Router&Power Bank
Mode: TX 2412MHz(802.11g)
Model: MOCA XP
Manufacturer: MaxTAR

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2013/11/22
Time: 11:53:44
Engineer Signature:
Distance: 3m

Note: Report No:ATE20132359

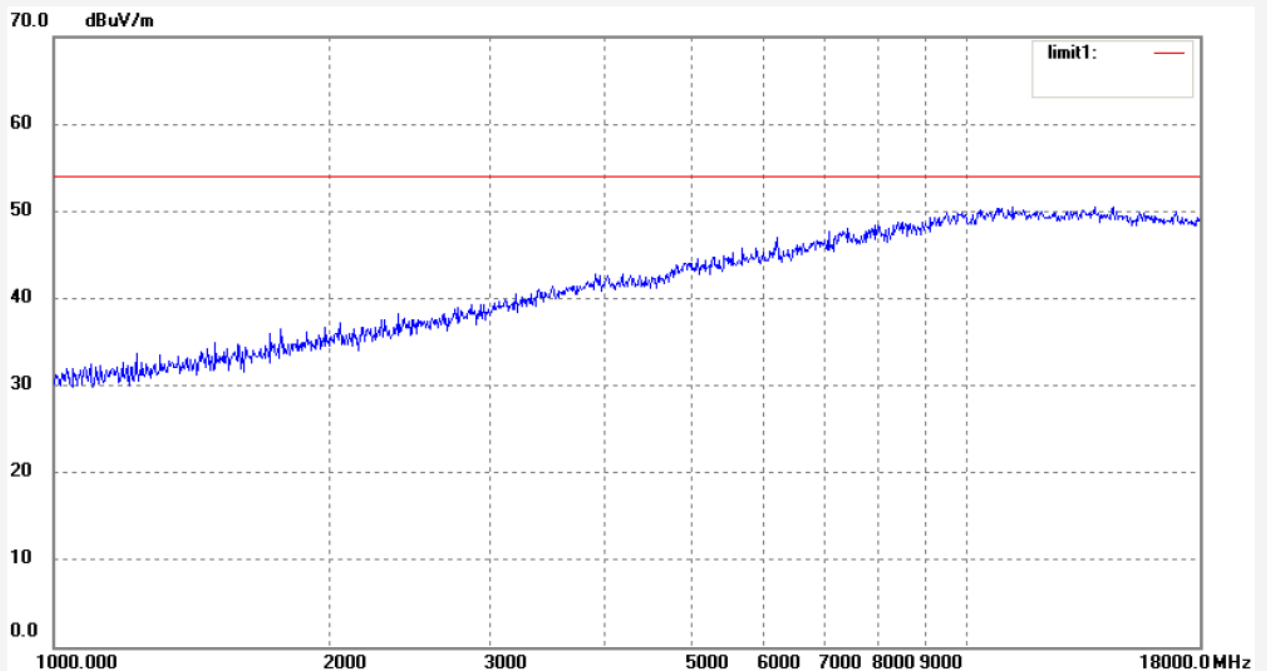


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Job No.: alen #1367
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Router&Power Bank
Mode: TX 2412MHz(802.11g)
Model: MOCA XP
Manufacturer: MaxTAR

Polarization: Vertical
Power Source: DC 3.7V
Date: 2013/11/22
Time: 11:53:13
Engineer Signature:
Distance: 3m

Note: Report No:ATE20132359



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 #1365

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Wireless Router&Power Bank

Mode: TX 2437MHz(802.11g)

Model: MOCA XP

Manufacturer: MaxTAR

Polarization: Horizontal

Power Source: DC 3.7V

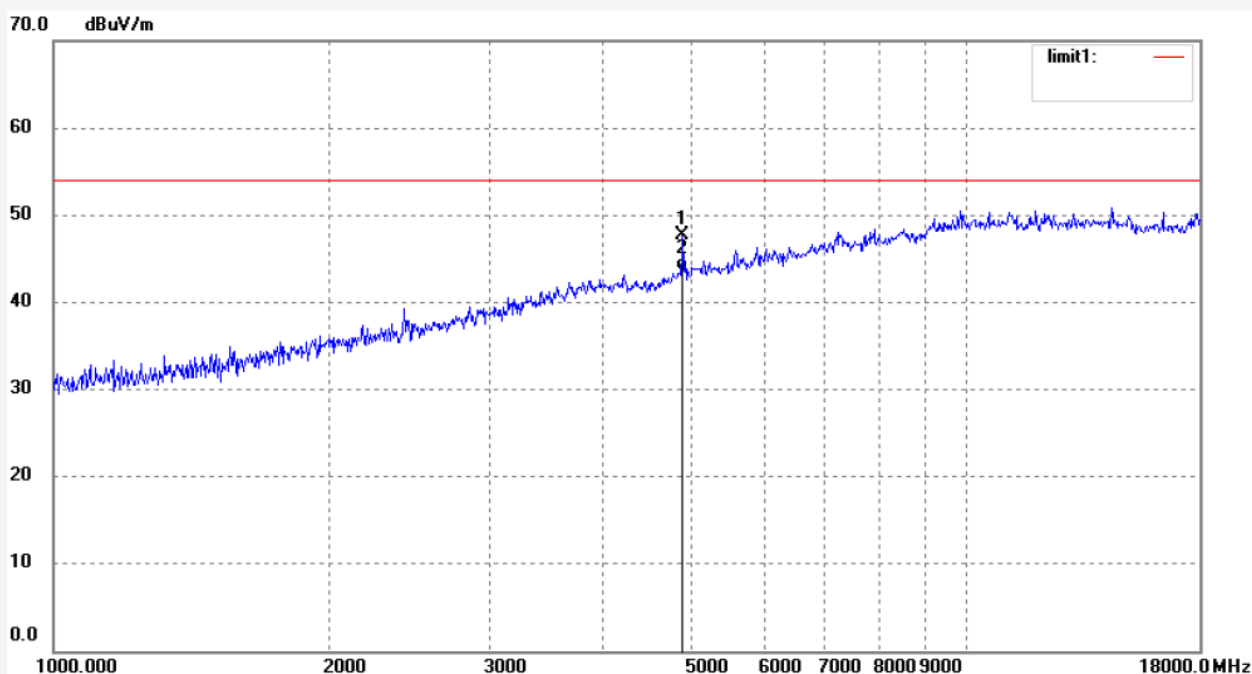
Date: 2013/11/22

Time: 11:51:13

Engineer Signature:

Distance: 3m

Note: Report No:ATE20132359



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.151	49.01	-1.33	47.68	54.00	-6.32	peak			
2	4874.151	45.01	-1.33	43.68	54.00	-10.32	AVG			

Job No.: alen #1366

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Wireless Router&Power Bank

Mode: TX 2437MHz(802.11g)

Model: MOCA XP

Manufacturer: MaxTAR

Polarization: Vertical

Power Source: DC 3.7V

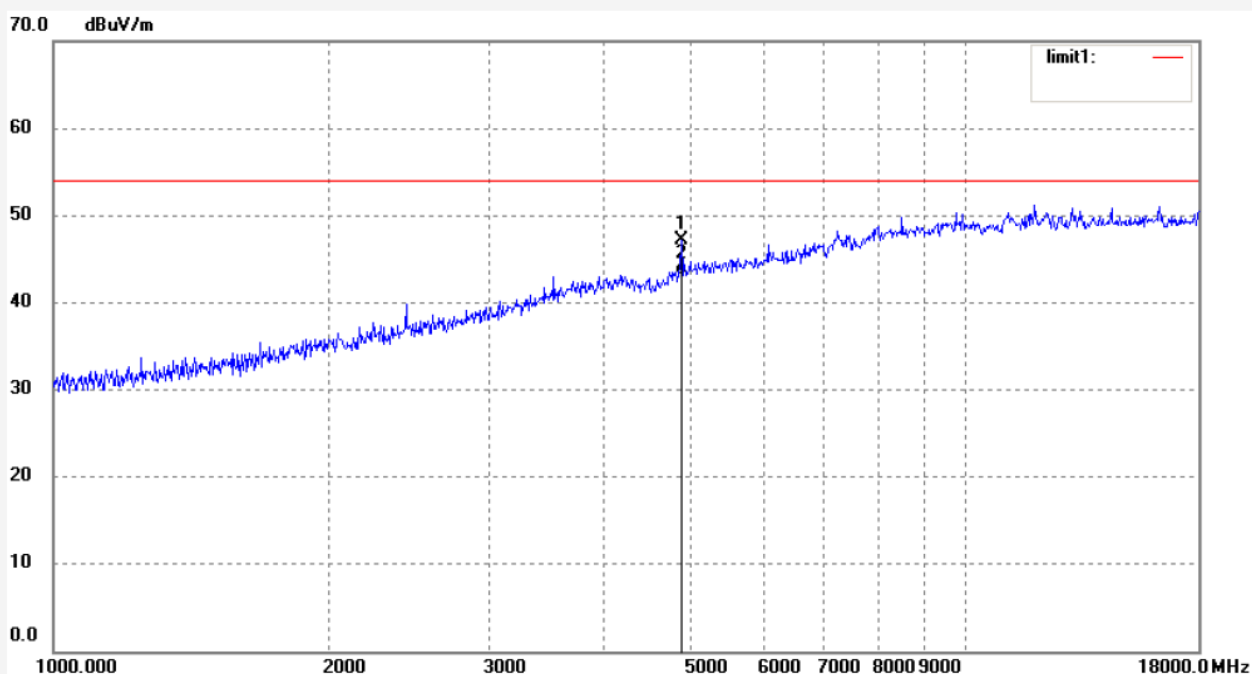
Date: 2013/11/22

Time: 11:52:02

Engineer Signature:

Distance: 3m

Note: Report No:ATE20132359

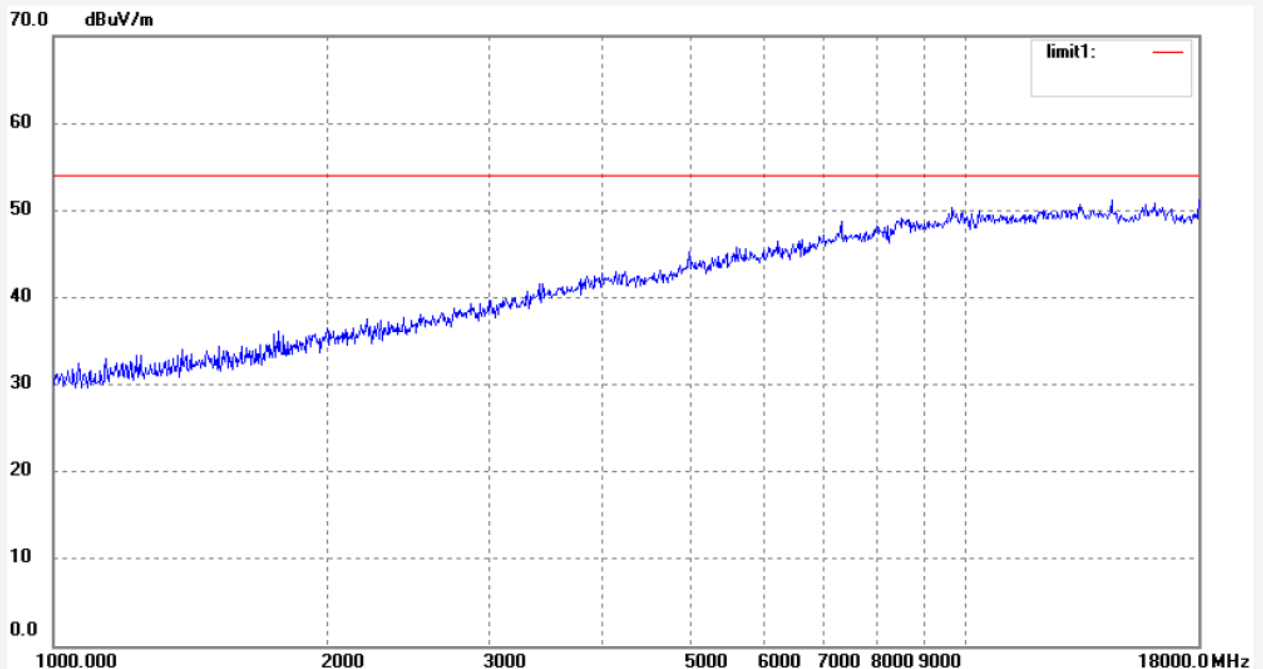


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.151	48.55	-1.33	47.22	54.00	-6.78	peak			
2	4874.151	44.55	-1.33	43.22	54.00	-10.78	AVG			

Job No.: alen #1364
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Router&Power Bank
Mode: TX 2462MHz(802.11g)
Model: MOCA XP
Manufacturer: MaxTAR

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2013/11/22
Time: 11:49:53
Engineer Signature:
Distance: 3m

Note: Report No:ATE20132359



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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**ACCURATE TECHNOLOGY CO., LTD.**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 #1363

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Wireless Router&Power Bank

Mode: TX 2462MHz(802.11g)

Model: MOCA XP

Manufacturer: MaxTAR

Polarization: Vertical

Power Source: DC 3.7V

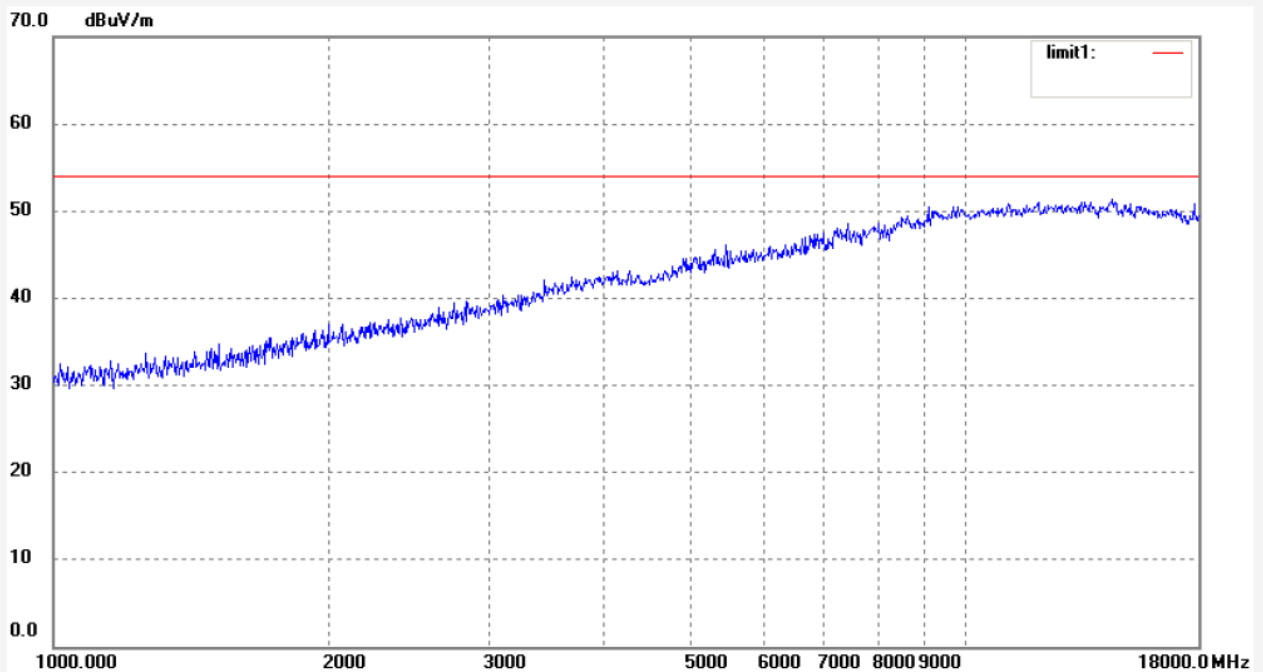
Date: 2013/11/22

Time: 11:49:11

Engineer Signature:

Distance: 3m

Note: Report No:ATE20132359



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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**ACCURATE TECHNOLOGY CO., LTD.**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 #1357

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Wireless Router&Power Bank

Mode: TX 2412MHz(802.11n)20MHz

Model: MOCA XP

Manufacturer: MaxTAR

Polarization: Horizontal

Power Source: DC 3.7V

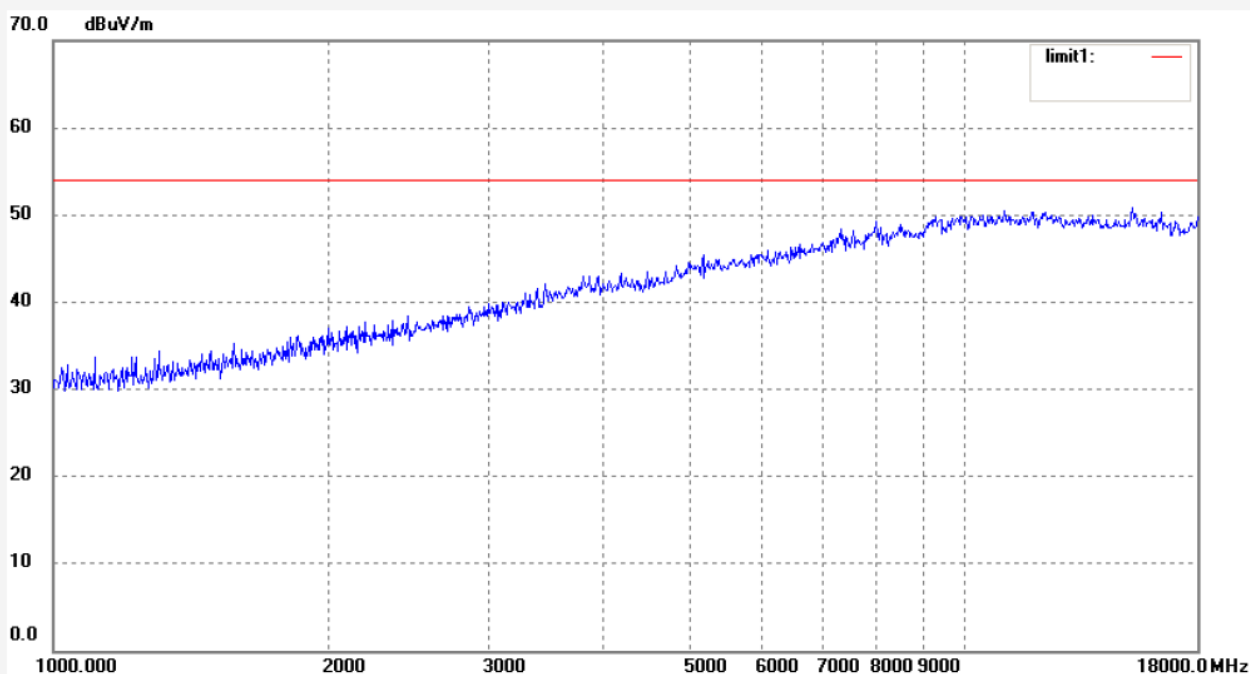
Date: 2013/11/22

Time: 11:41:43

Engineer Signature:

Distance: 3m

Note: Report No:ATE20132359



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 #1358

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Wireless Router&Power Bank

Mode: TX 2412MHz(802.11n)20MHz

Model: MOCA XP

Manufacturer: MaxTAR

Polarization: Vertical

Power Source: DC 3.7V

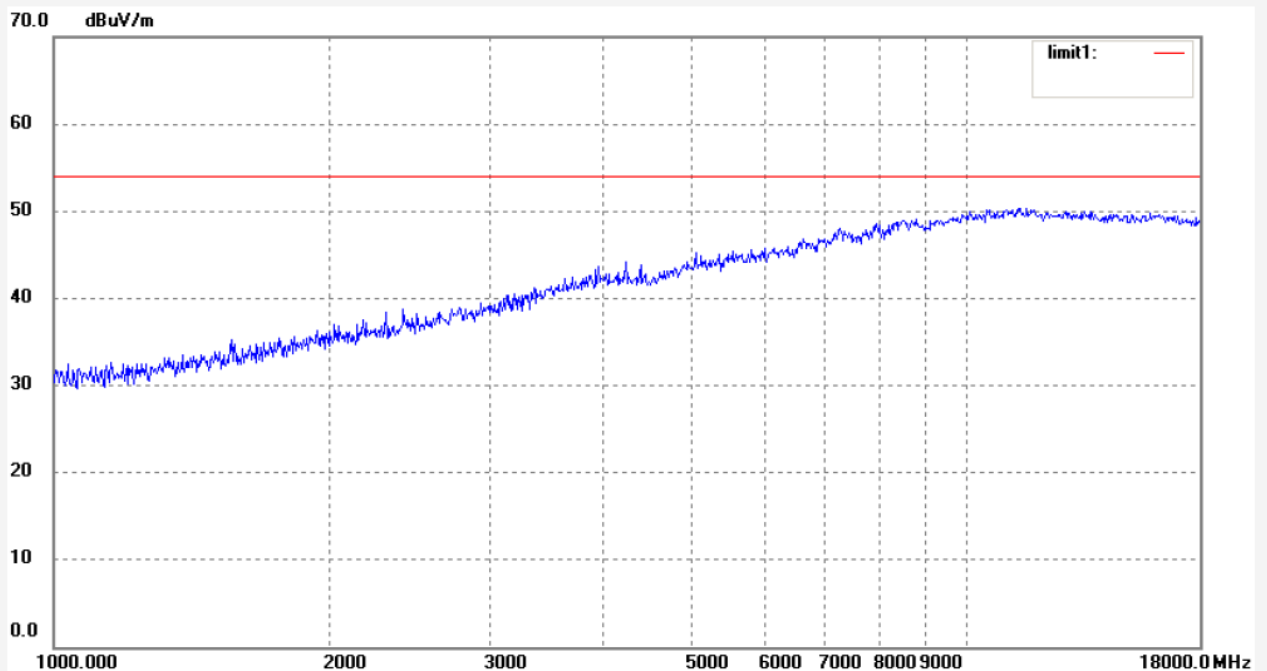
Date: 2013/11/22

Time: 11:42:43

Engineer Signature:

Distance: 3m

Note: Report No:ATE20132359



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 #1360

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Wireless Router&Power Bank

Mode: TX 2437MHz(802.11n)20MHz

Model: MOCA XP

Manufacturer: MaxTAR

Polarization: Horizontal

Power Source: DC 3.7V

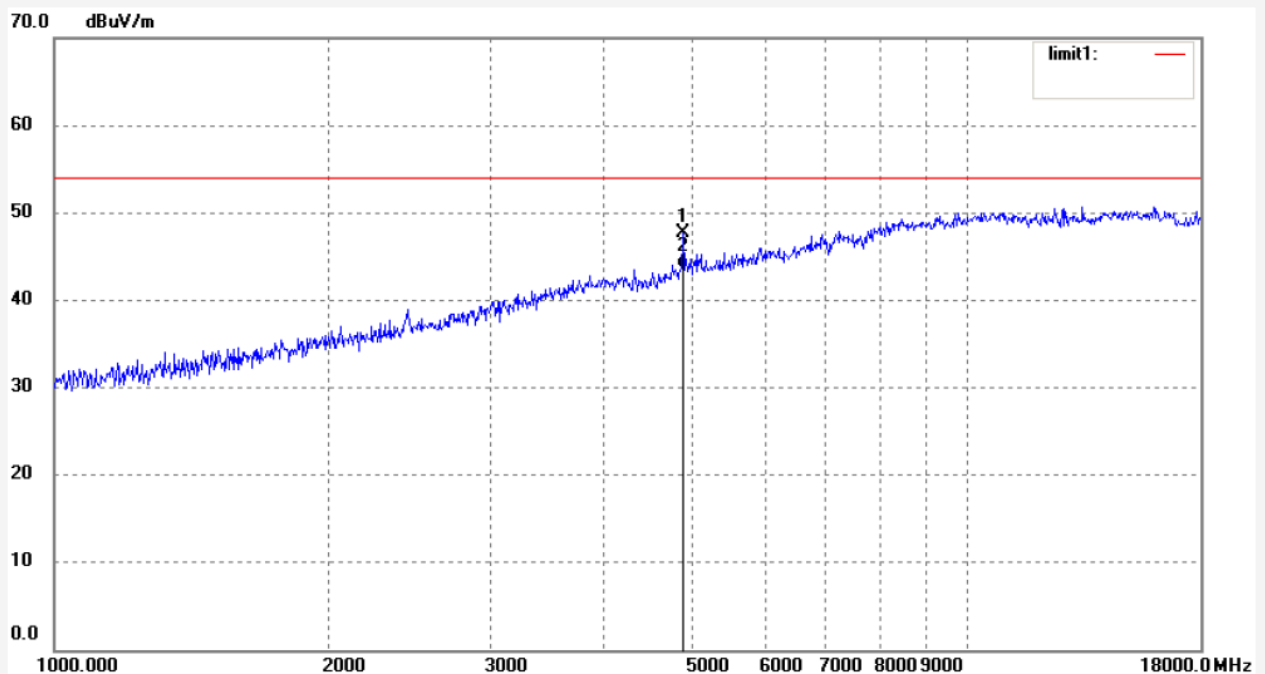
Date: 2013/11/22

Time: 11:45:31

Engineer Signature:

Distance: 3m

Note: Report No:ATE20132359



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.151	48.94	-1.33	47.61	54.00	-6.39	peak			
2	4874.151	44.94	-1.33	43.61	54.00	-10.39	AVG			

Job No.: alen #1359

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Wireless Router&Power Bank

Mode: TX 2437MHz(802.11n)20MHz

Model: MOCA XP

Manufacturer: MaxTAR

Polarization: Vertical

Power Source: DC 3.7V

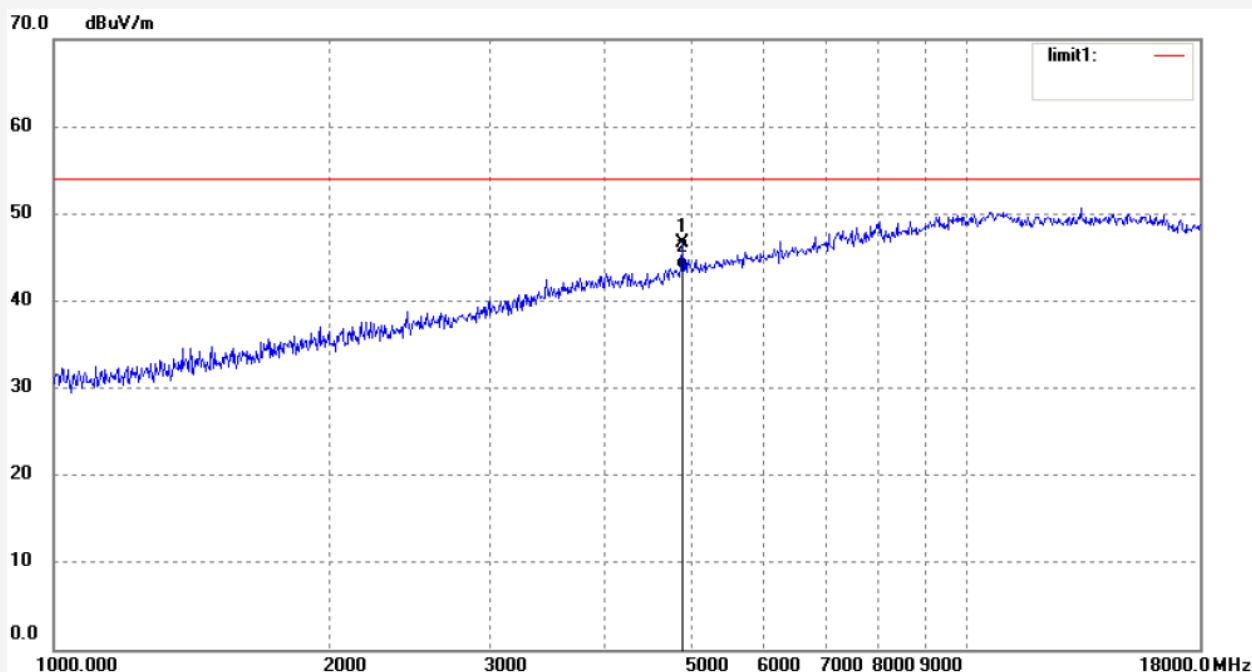
Date: 2013/11/22

Time: 11:44:36

Engineer Signature:

Distance: 3m

Note: Report No:ATE20132359

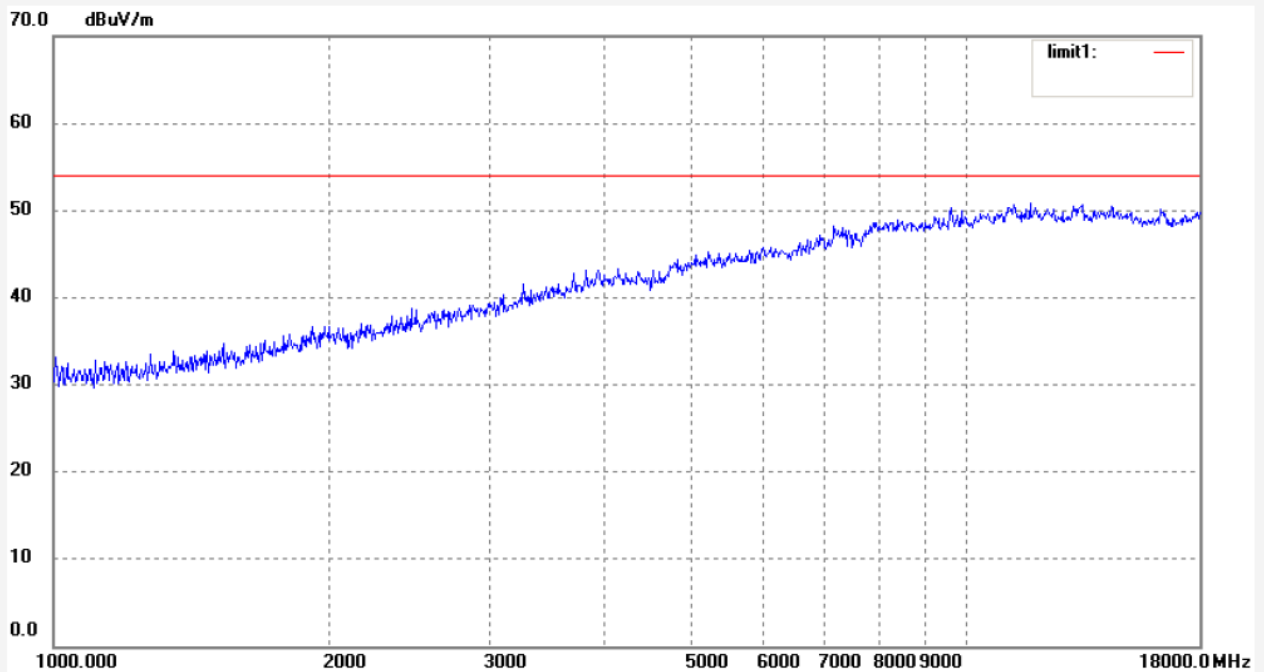


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.151	48.02	-1.33	46.69	54.00	-7.31	peak			
2	4874.151	45.01	-1.33	43.68	54.00	-10.32	AVG			

Job No.: alen #1361
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Router&Power Bank
Mode: TX 2462MHz(802.11n)20MHz
Model: MOCA XP
Manufacturer: MaxTAR

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2013/11/22
Time: 11:47:05
Engineer Signature:
Distance: 3m

Note: Report No:ATE20132359



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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**ACCURATE TECHNOLOGY CO., LTD.**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 #1362

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Wireless Router&Power Bank

Mode: TX 2462MHz(802.11n)20MHz

Model: MOCA XP

Manufacturer: MaxTAR

Polarization: Vertical

Power Source: DC 3.7V

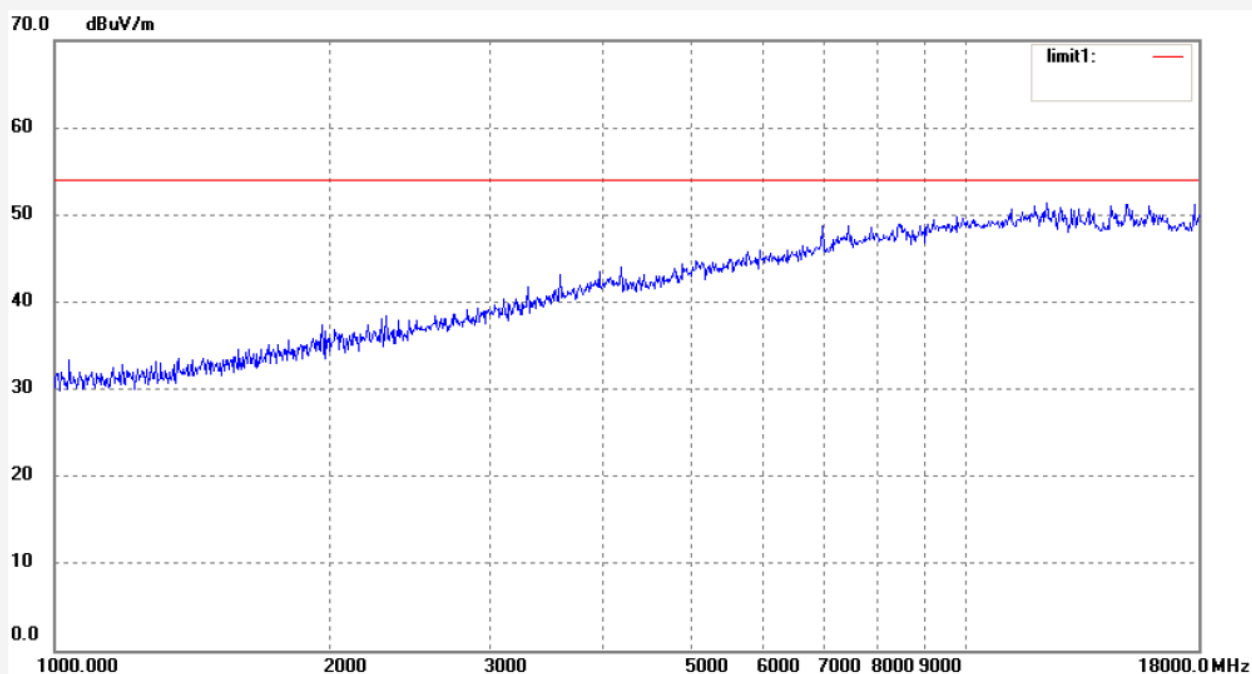
Date: 2013/11/22

Time: 11:47:42

Engineer Signature:

Distance: 3m

Note: Report No:ATE20132359



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 #1352

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Wireless Router&Power Bank

Mode: TX 2422MHz(802.11n)40MHz

Model: MOCA XP

Manufacturer: MaxTAR

Polarization: Horizontal

Power Source: DC 3.7V

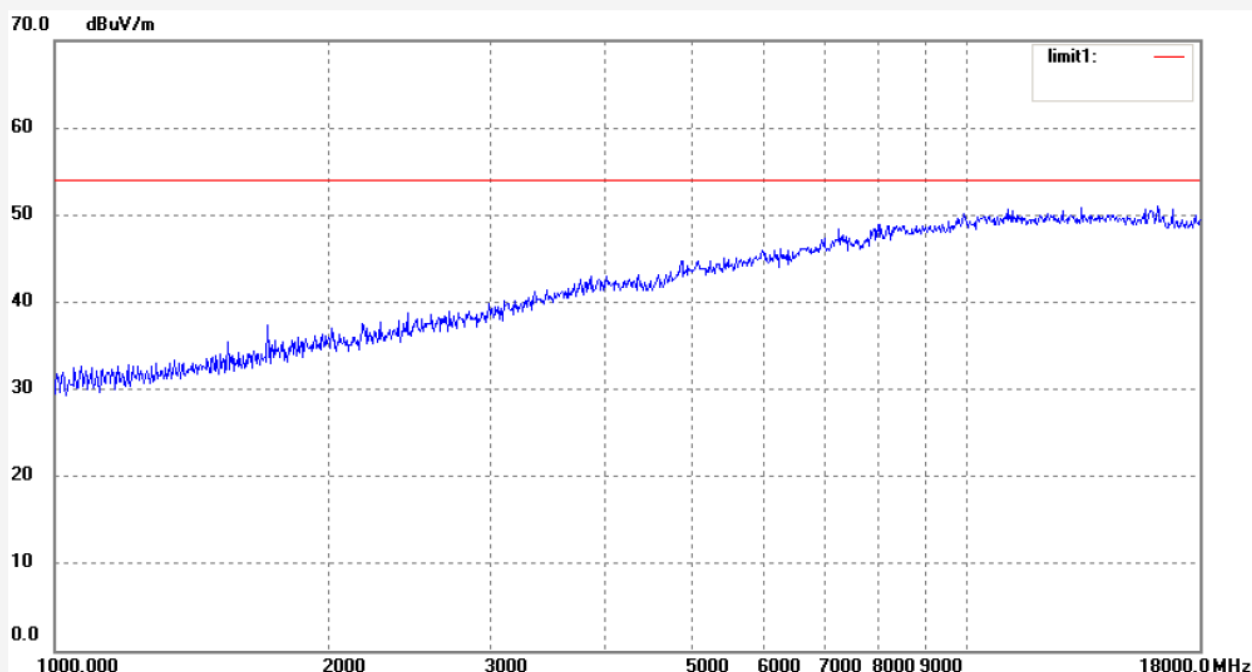
Date: 2013/11/22

Time: 11:34:23

Engineer Signature:

Distance: 3m

Note: Report No:ATE20132359

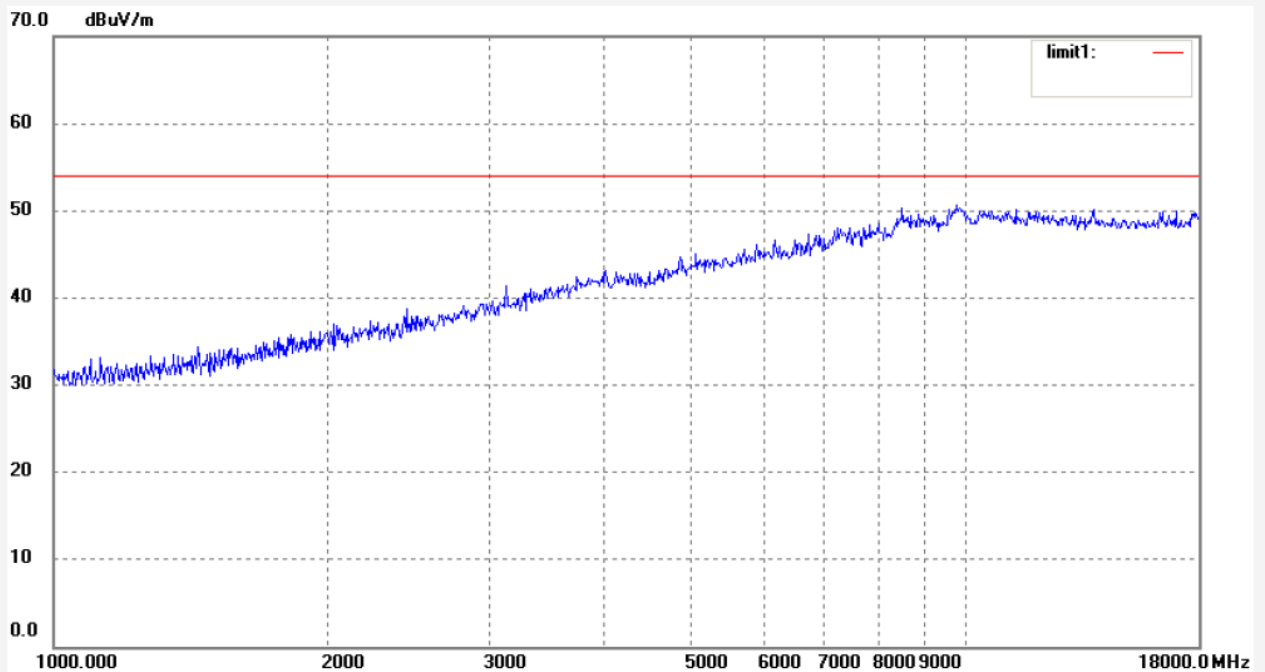


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
-----	----------------	---------------------	----------------	--------------------	-------------------	----------------	----------	----------------	------------------	--------

Job No.: alen #1351
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Router&Power Bank
Mode: TX 2422MHz(802.11n)40MHz
Model: MOCA XP
Manufacturer: MaxTAR

Polarization: Vertical
Power Source: DC 3.7V
Date: 2013/11/22
Time: 11:32:39
Engineer Signature:
Distance: 3m

Note: Report No:ATE20132359



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

Job No.: alen #1353

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Wireless Router&Power Bank

Mode: TX 2437MHz(802.11n)40MHz

Model: MOCA XP

Manufacturer: MaxTAR

Polarization: Horizontal

Power Source: DC 3.7V

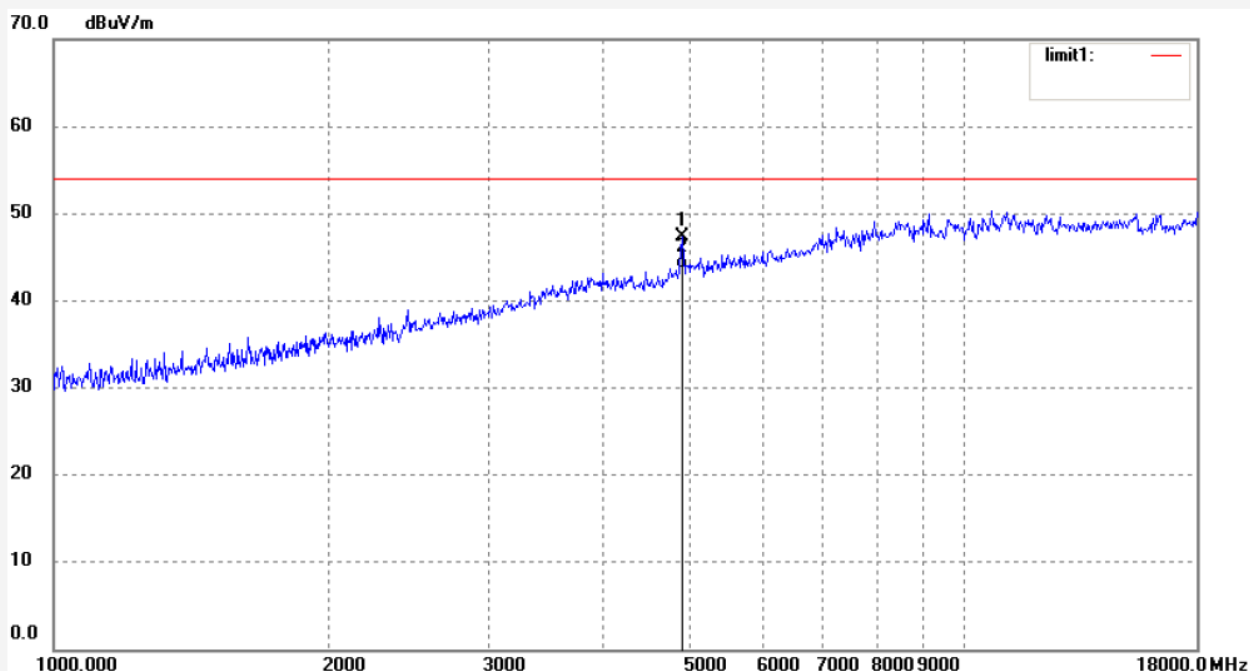
Date: 2013/11/22

Time: 11:36:06

Engineer Signature:

Distance: 3m

Note: Report No:ATE20132359



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.300	48.68	-1.29	47.39	54.00	-6.61	peak			
2	4874.300	44.97	-1.29	43.68	54.00	-10.32	AVG			

Job No.: alen #1354

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Wireless Router&Power Bank

Mode: TX 2437MHz(802.11n)40MHz

Model: MOCA XP

Manufacturer: MaxTAR

Polarization: Vertical

Power Source: DC 3.7V

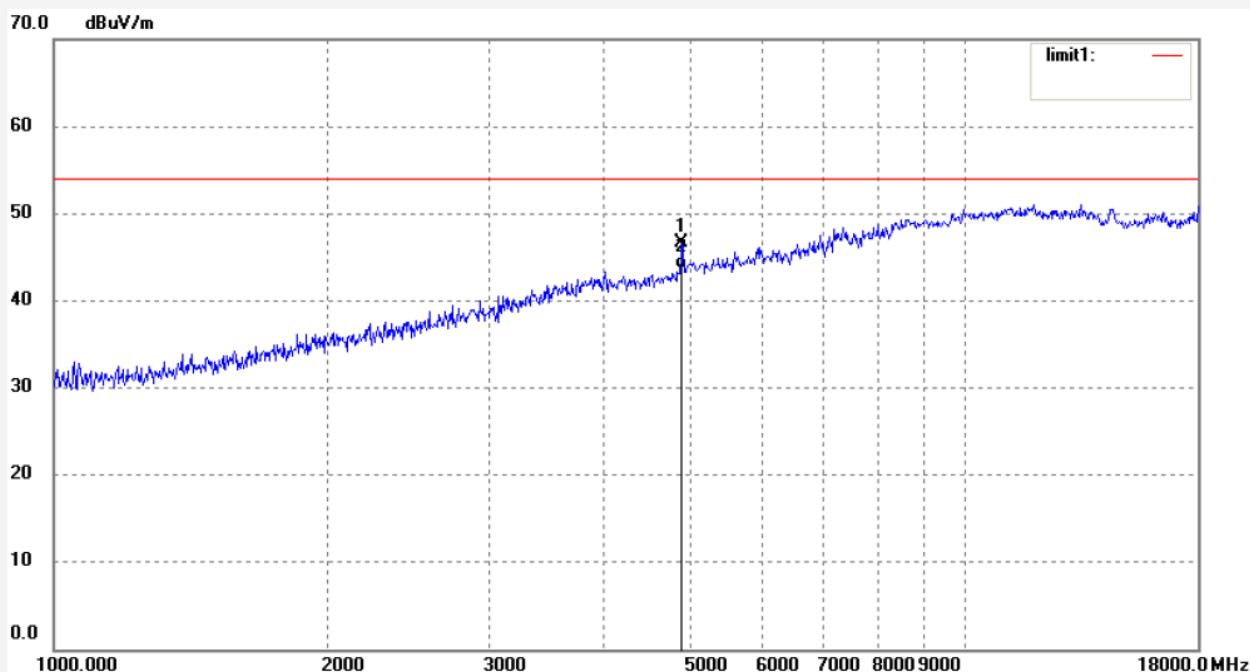
Date: 2013/11/22

Time: 11:36:54

Engineer Signature:

Distance: 3m

Note: Report No:ATE20132359



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.151	48.03	-1.33	46.70	54.00	-7.30	peak			
2	4874.151	45.01	-1.33	43.68	54.00	-10.32	AVG			

**ACCURATE TECHNOLOGY CO., LTD.**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 #1356

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Wireless Router&Power Bank

Mode: TX 2452MHz(802.11n)40MHz

Model: MOCA XP

Manufacturer: MaxTAR

Polarization: Horizontal

Power Source: DC 3.7V

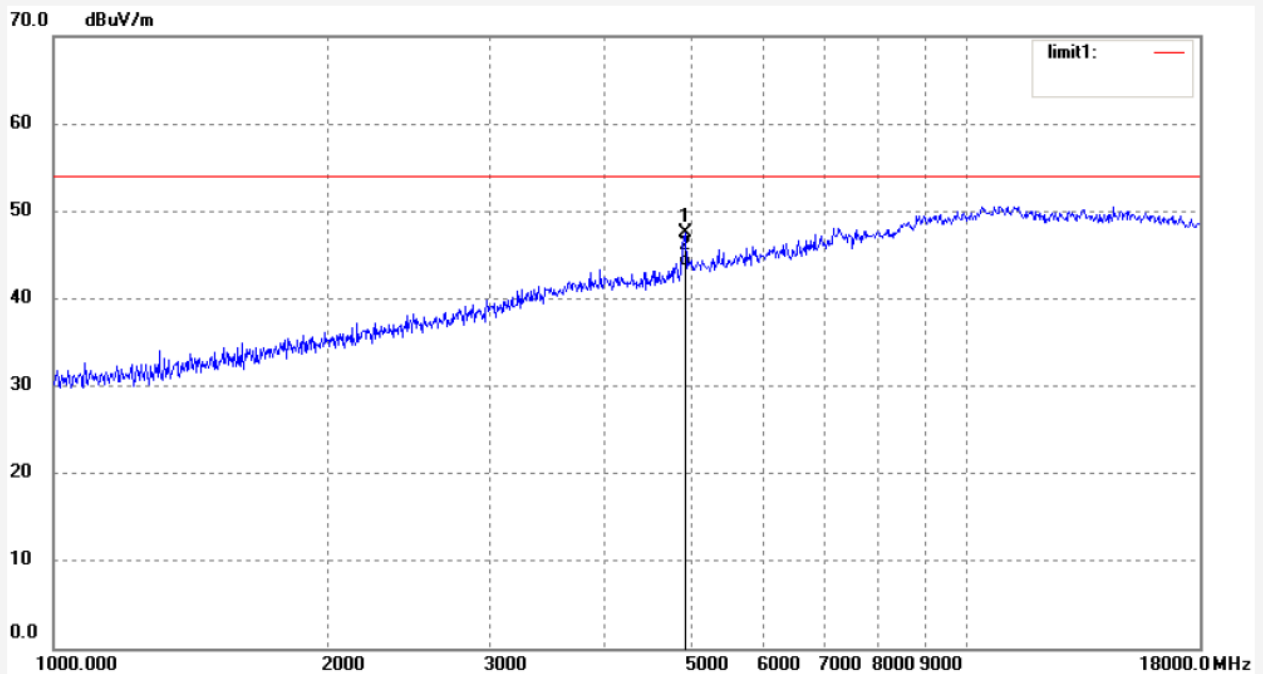
Date: 2013/11/22

Time: 11:39:24

Engineer Signature:

Distance: 3m

Note: Report No:ATE20132359



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4904.490	48.79	-1.25	47.54	54.00	-6.46	peak			
2	4904.490	44.98	-1.25	43.73	54.00	-10.27	AVG			

Job No.: alen #1355

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Wireless Router&Power Bank

Mode: TX 2452MHz(802.11n)40MHz

Model: MOCA XP

Manufacturer: MaxTAR

Polarization: Vertical

Power Source: DC 3.7V

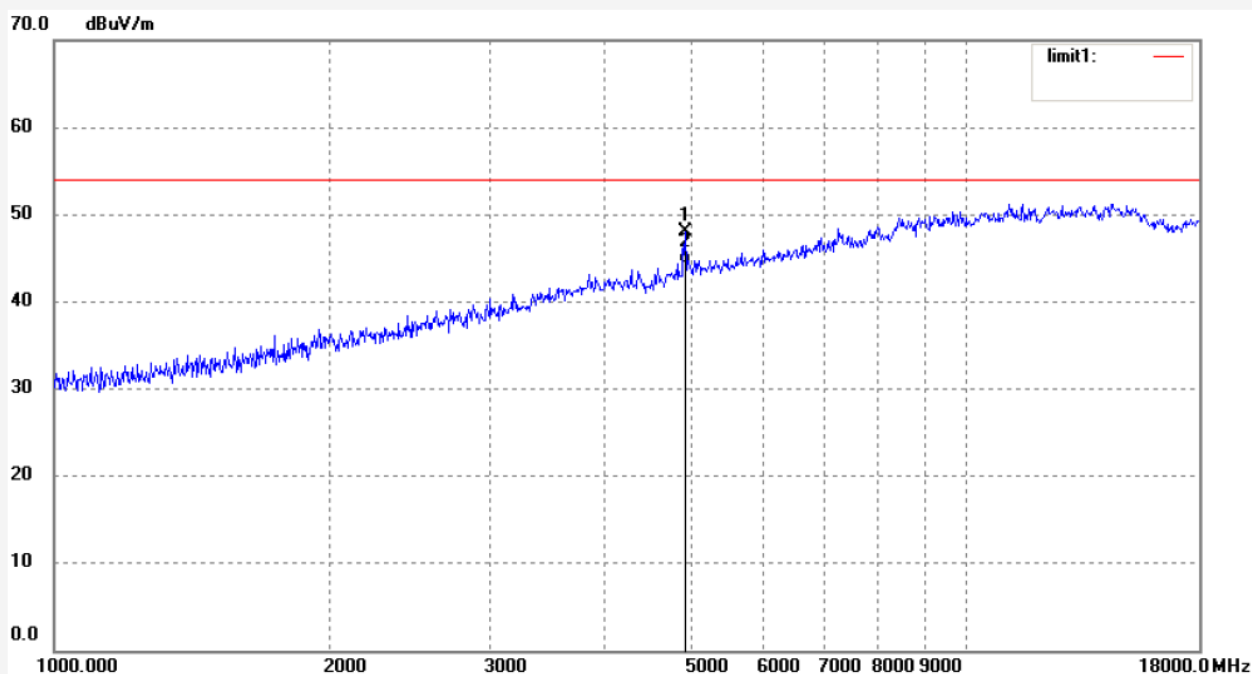
Date: 2013/11/22

Time: 11:38:40

Engineer Signature:

Distance: 3m

Note: Report No:ATE20132359



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4904.490	49.27	-1.25	48.02	54.00	-5.98	peak			
2	4904.490	45.68	-1.25	44.43	54.00	-9.57	AVG			

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).

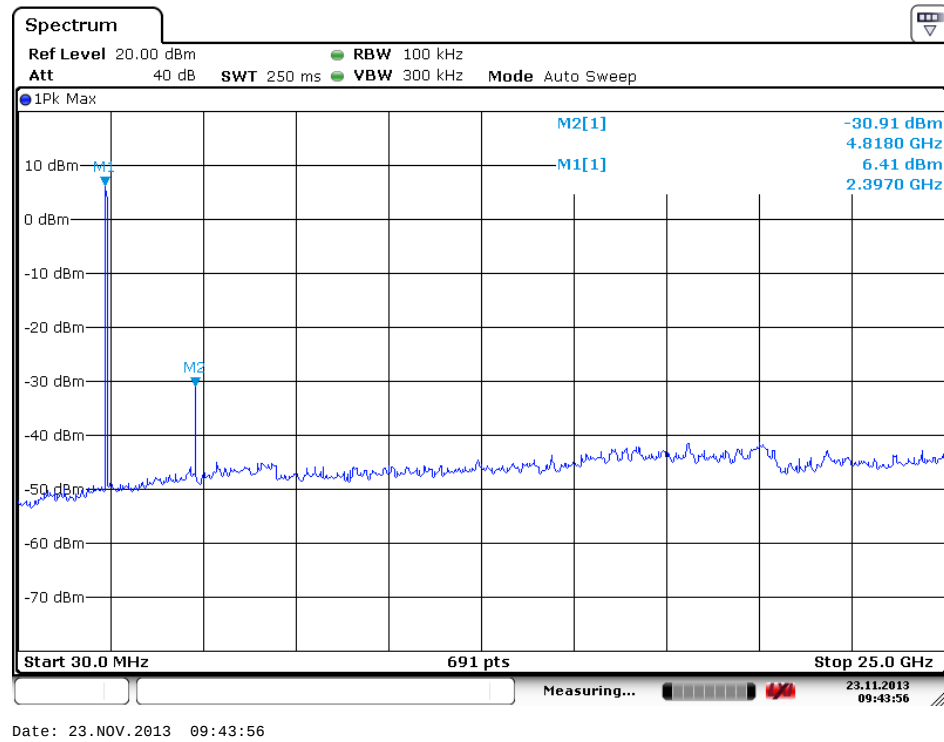
11.5.4. The Conducted Spurious Emission was measured and recorded.

11.6. Test Result

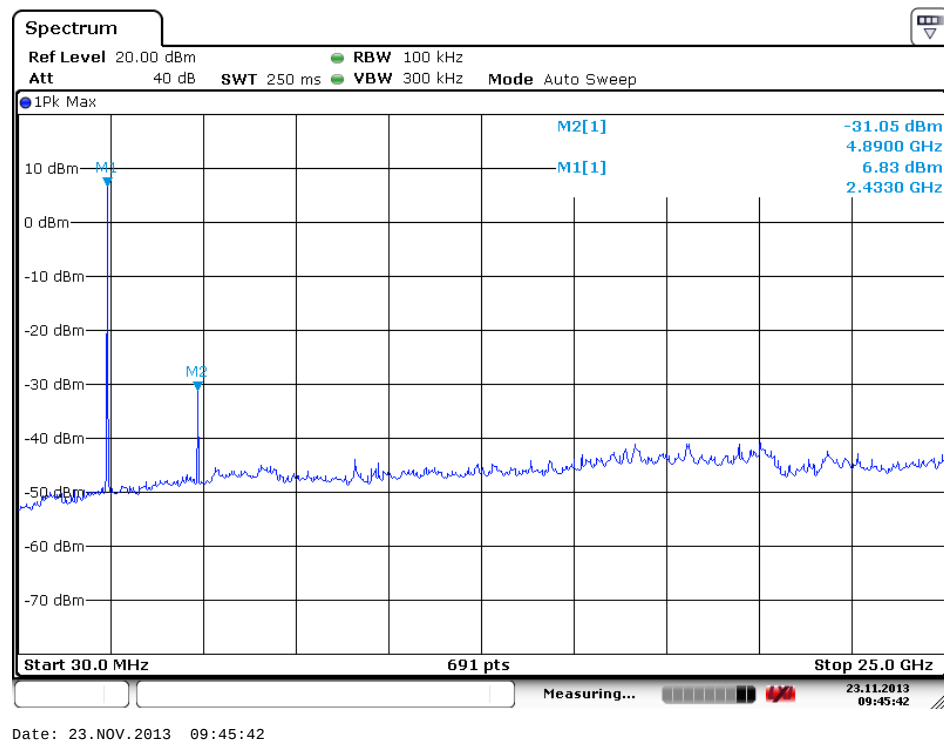
Pass.

The spectrum analyzer plots are attached as below.

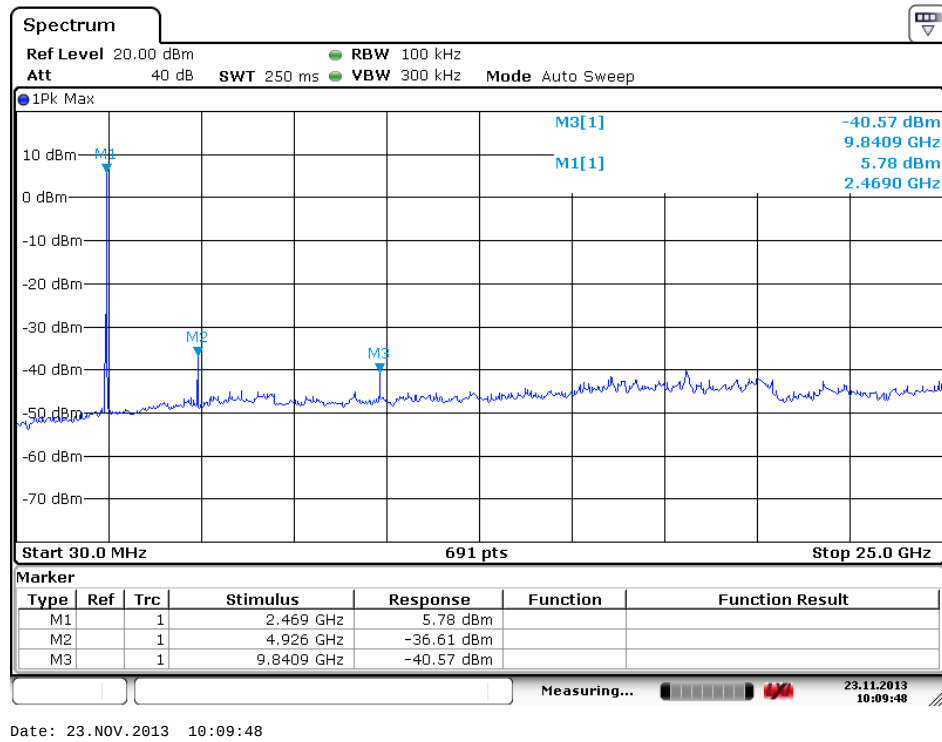
TX 802.11b Channel Low 2412MHz



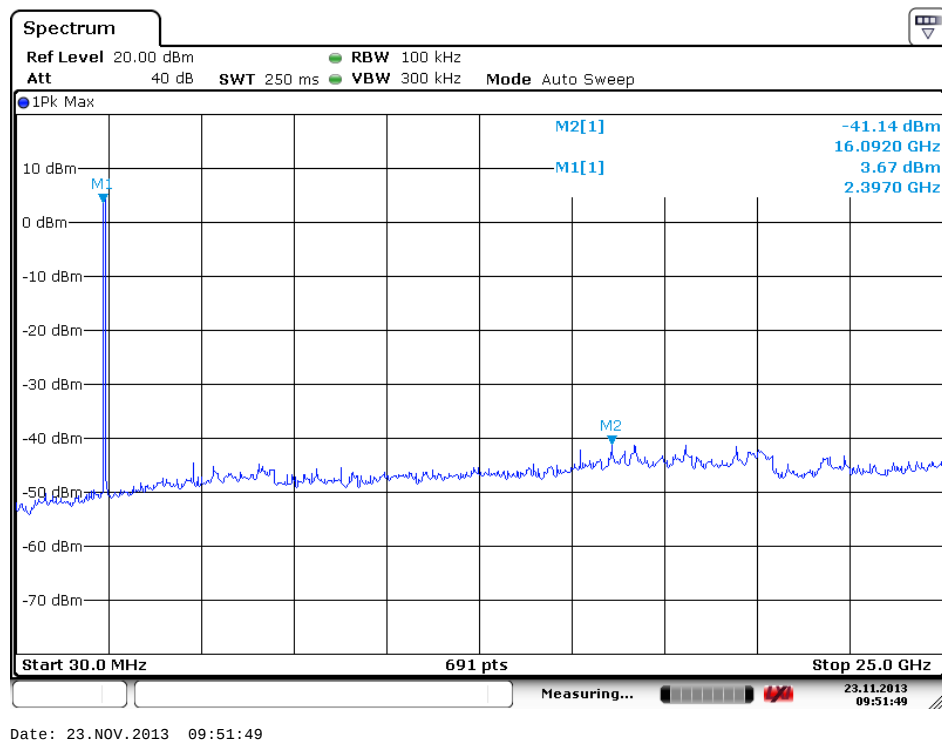
TX 802.11b Channel Middle 2437MHz



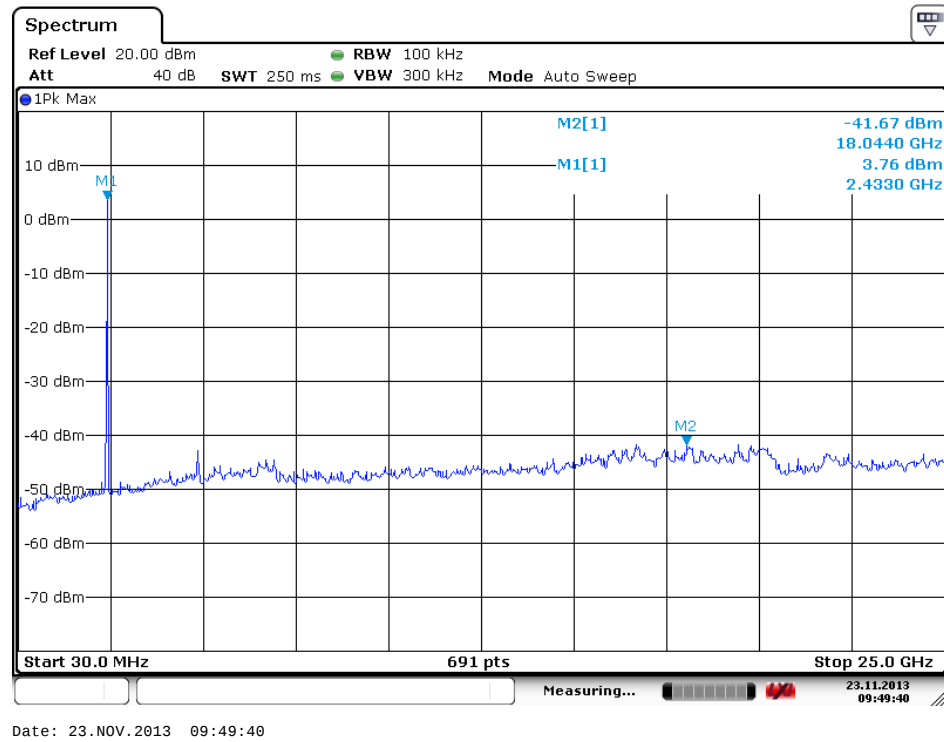
TX 802.11b Channel High 2462MHz



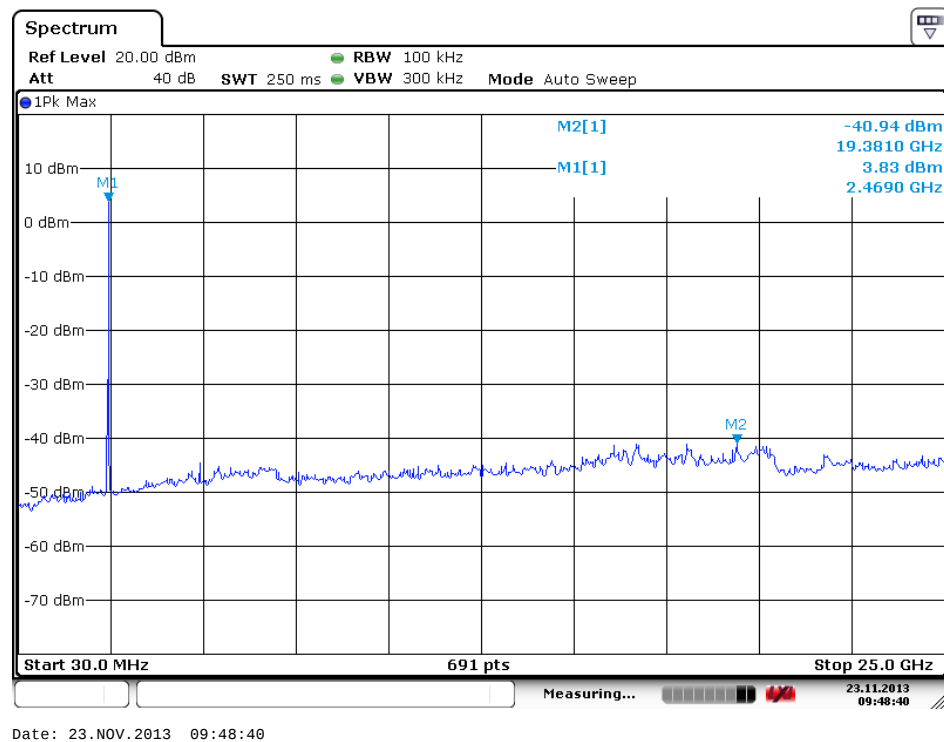
TX 802.11g Channel Low 2412MHz



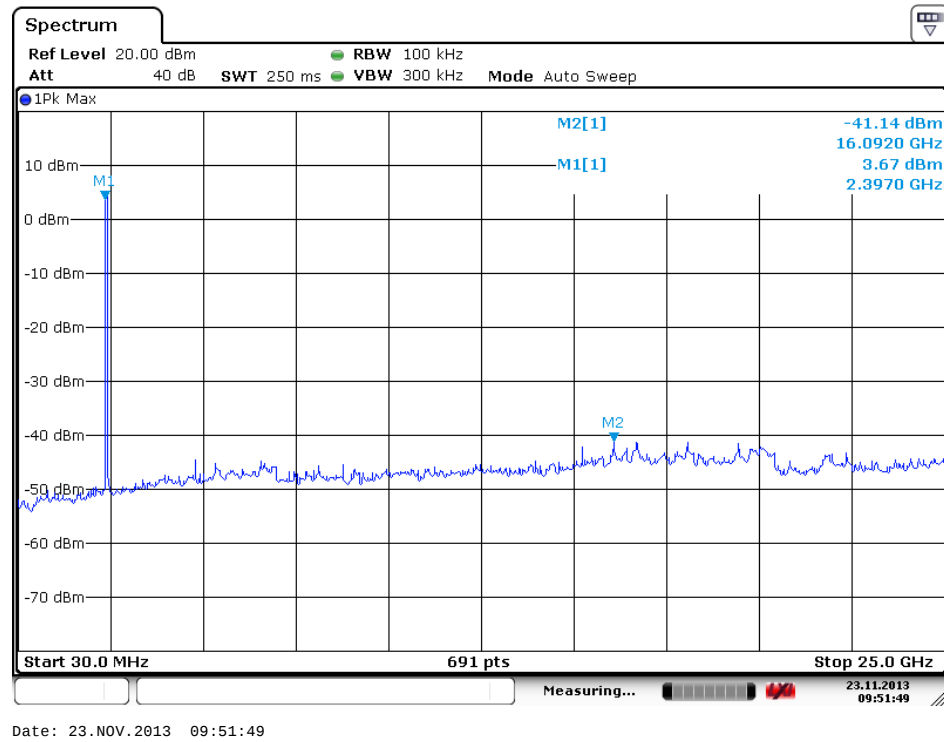
TX 802.11g Channel Middle 2437MHz



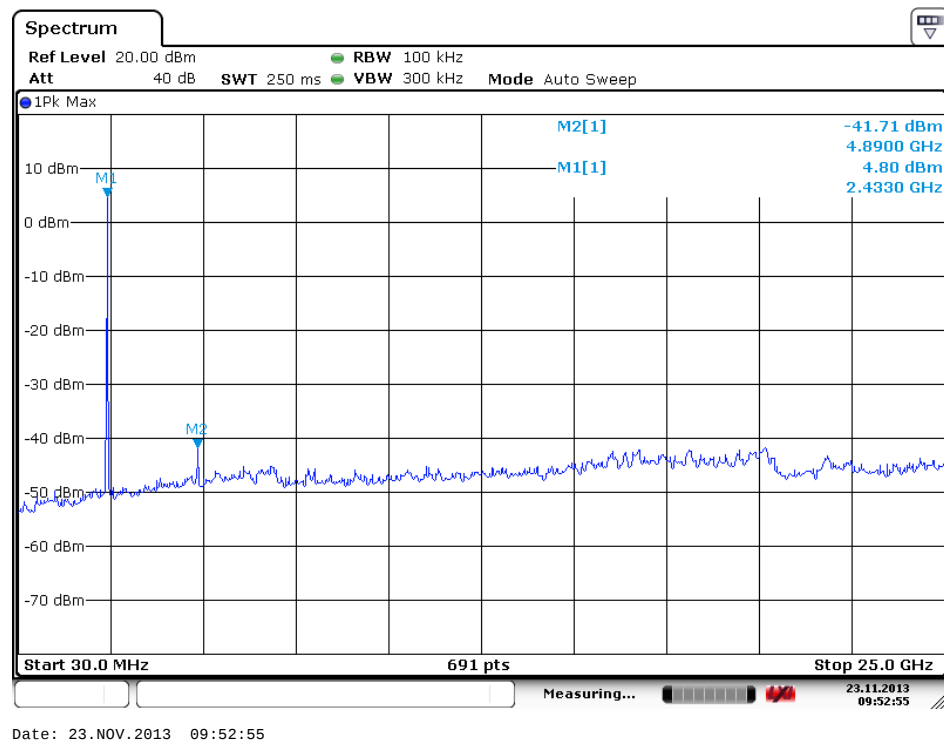
TX 802.11g Channel High 2462MHz



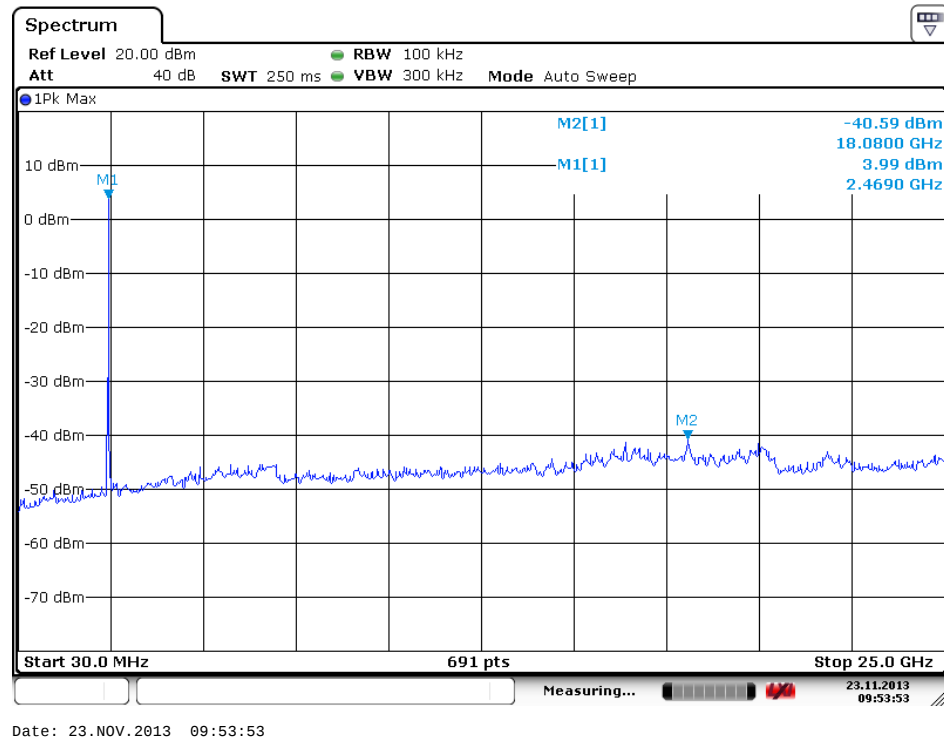
TX 802.11n Channel Low 2412MHz (20MHz)



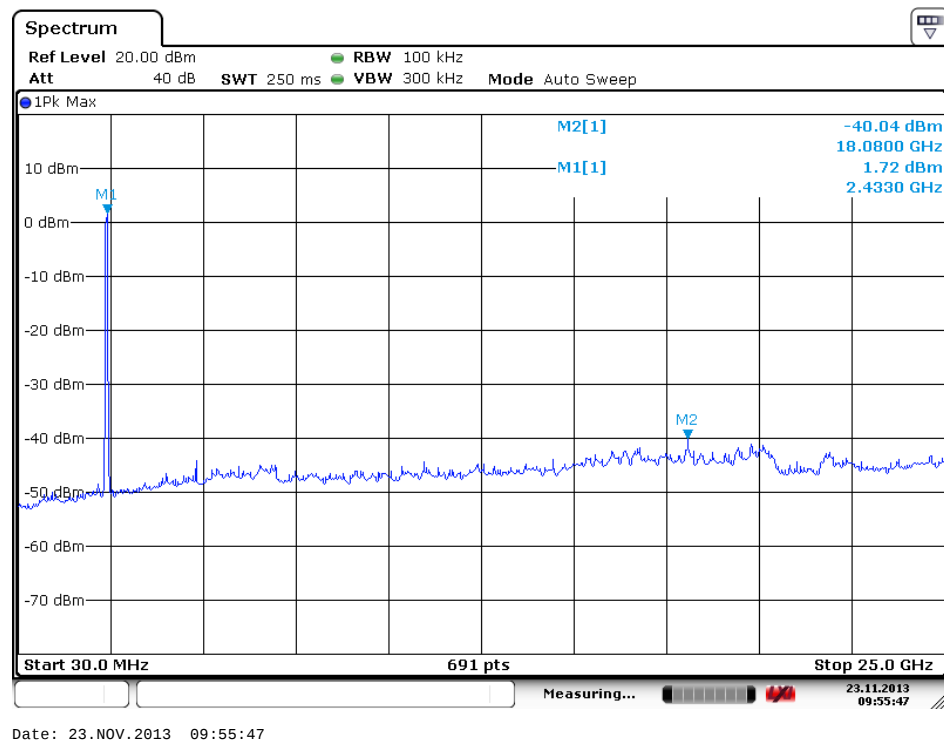
TX 802.11n Channel Middle 2437MHz (20MHz)



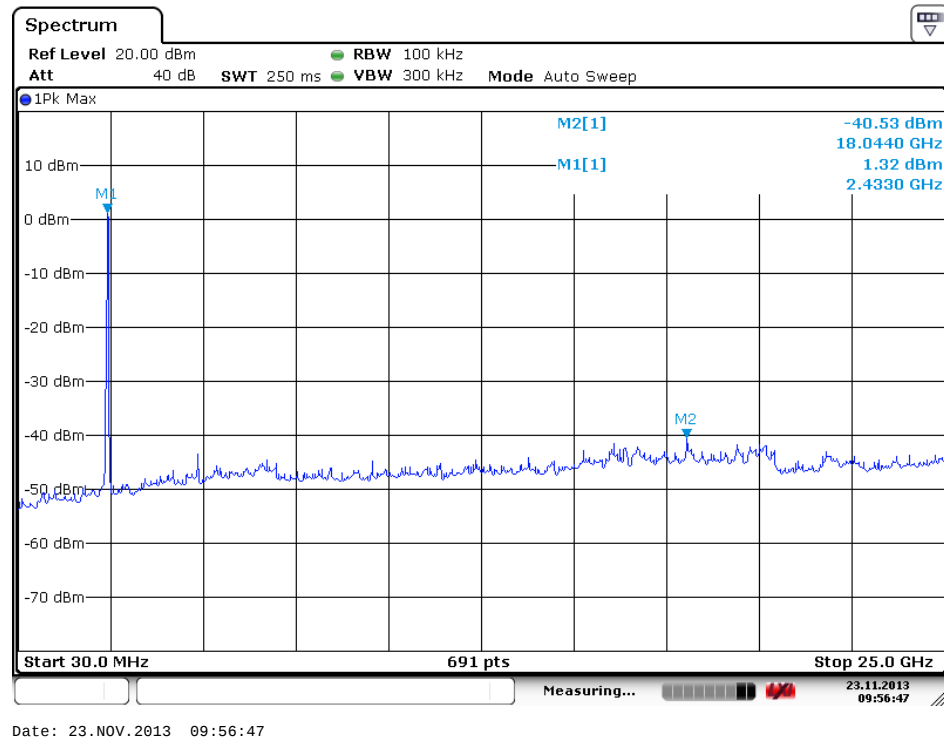
TX 802.11n Channel High 2462MHz (20MHz)



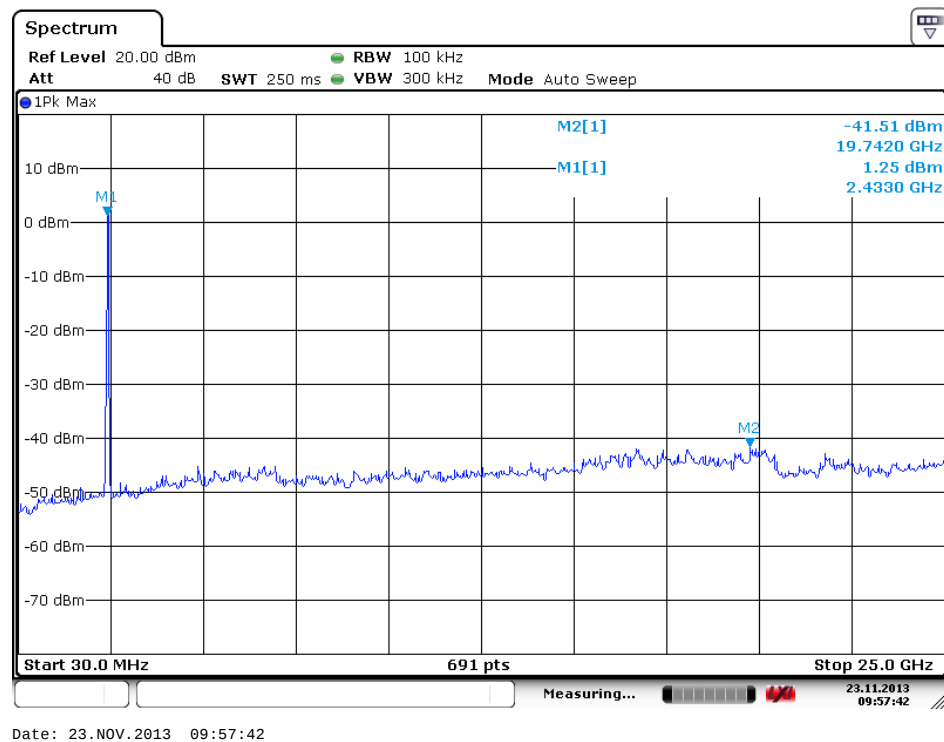
TX 802.11n Channel Low 2422MHz (40MHz)



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.

Antenna

