

Job No.: STAR #4142

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Numpy 3G serials-AX1 SPEC

Mode: TX Channel 11(802.11g)

Model: Numpy 3G

Manufacturer: AINOL

Polarization: Vertical

Power Source: AC 120V/60Hz

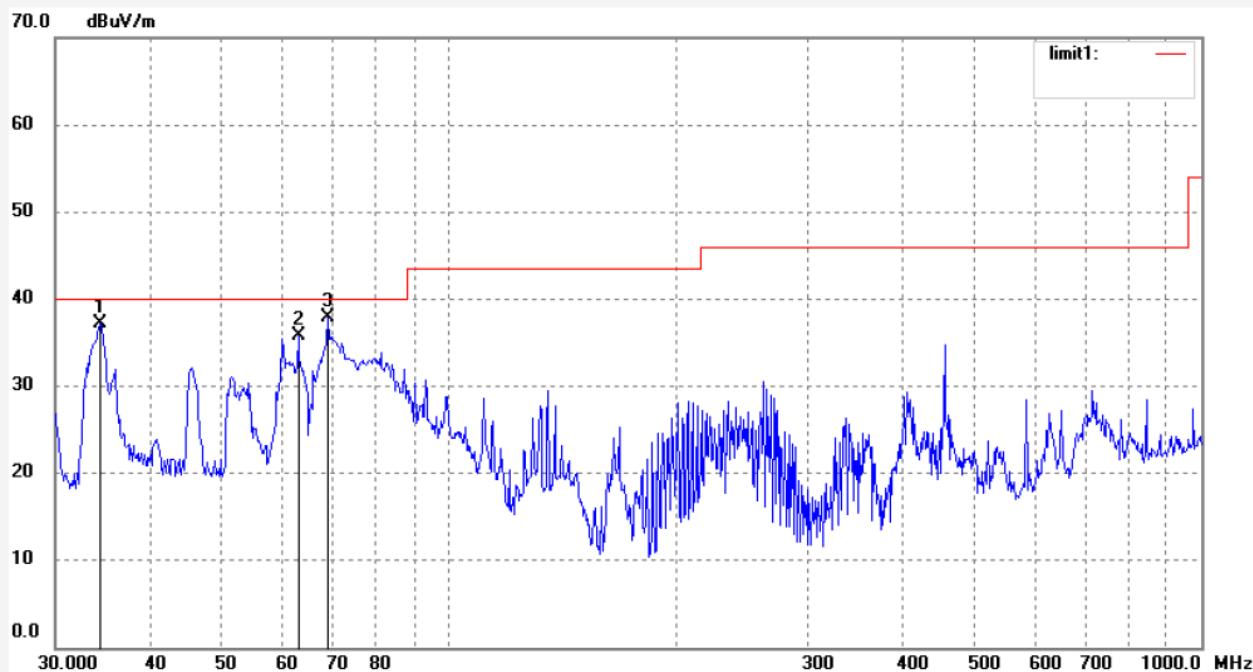
Date: 13/12/12/

Time: 9/58/50

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132564



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.3964	56.57	-19.30	37.27	40.00	-2.73	peak			
2	63.0916	56.90	-21.15	35.75	40.00	-4.25	peak			
3	69.1141	59.17	-21.32	37.85	40.00	-2.15	peak			



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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.: STAR #4144

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/00/52

EUT: Nume 3G serials-AX1 SPEC

Engineer Signature:

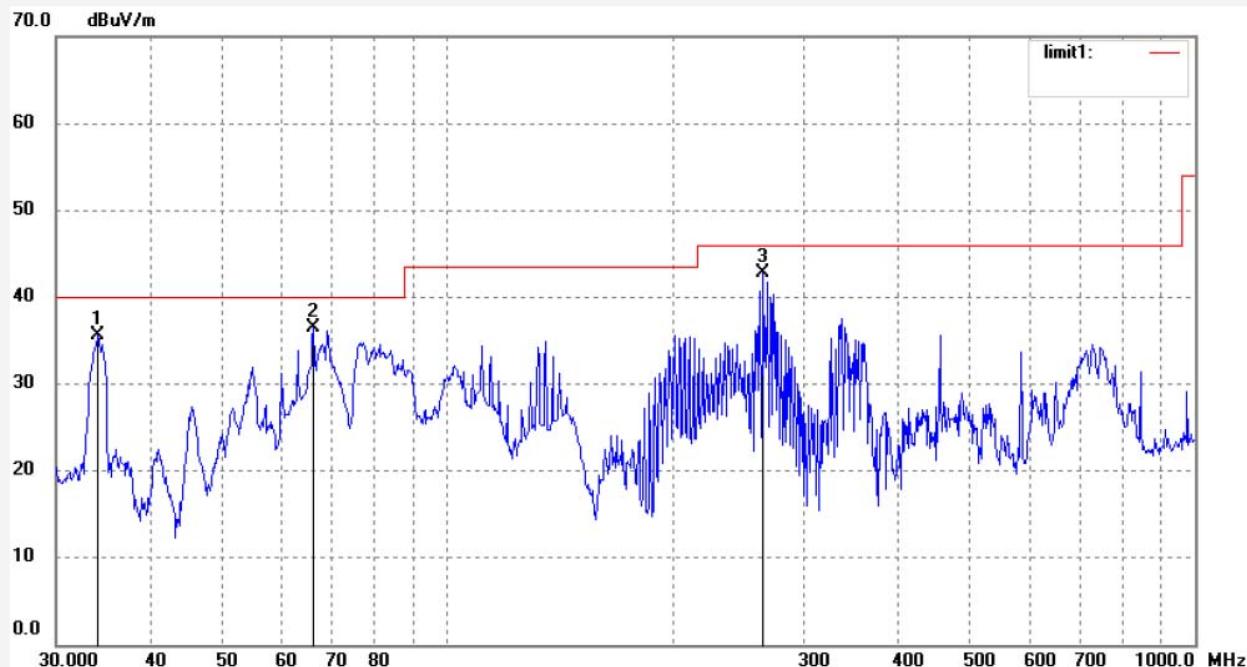
Mode: TX Channel 1(802.11n20)

Distance: 3m

Model: Nume 3G

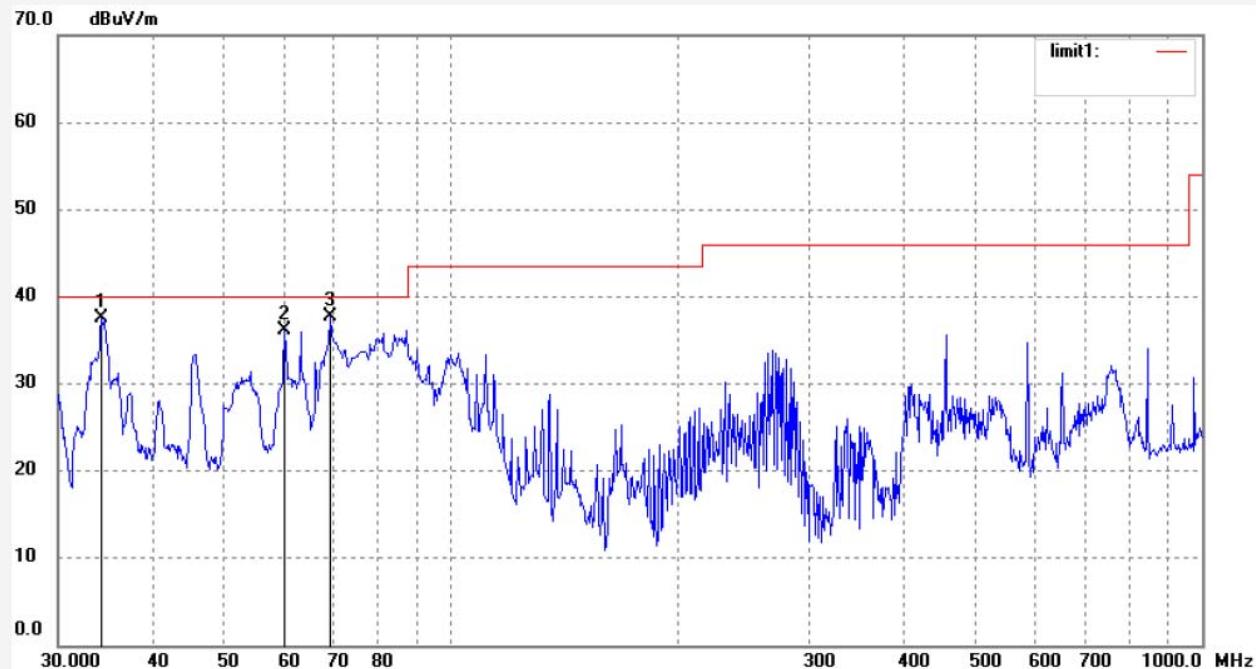
Manufacturer: AINOL

Note: Report No.:ATE20132564



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.1561	54.77	-19.22	35.55	40.00	-4.45	peak			
2	66.2662	57.68	-21.23	36.45	40.00	-3.55	peak			
3	264.7457	61.70	-18.87	42.83	46.00	-3.17	peak			

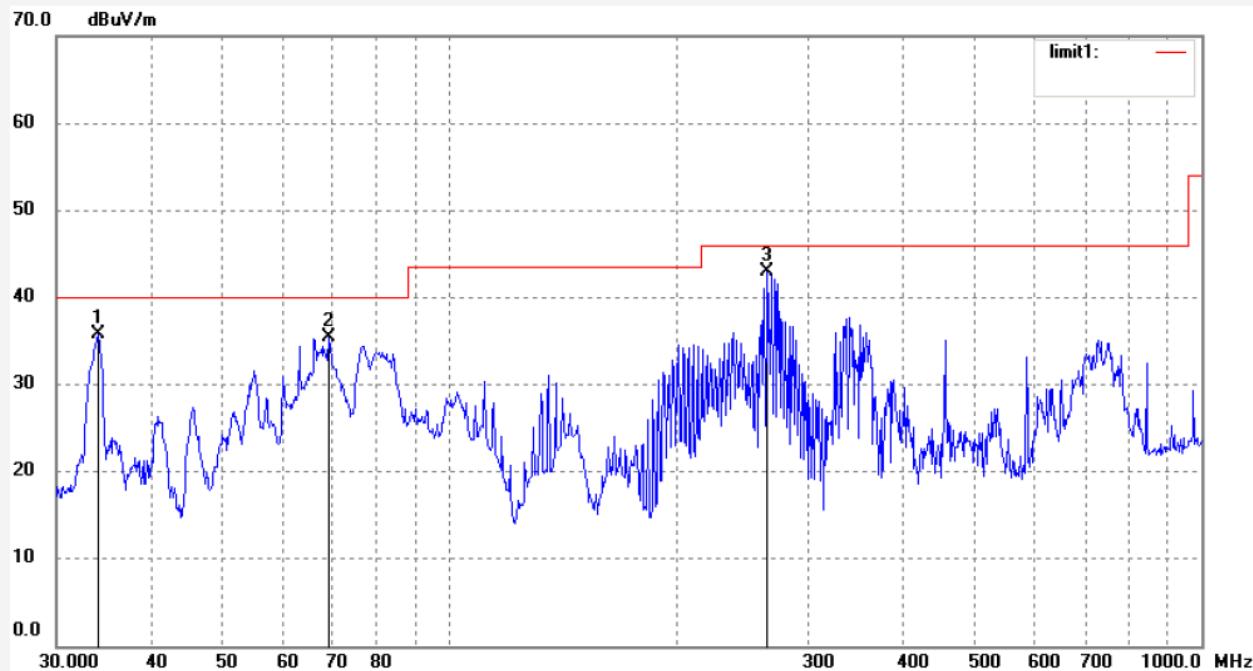
Job No.: STAR #4145	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/12/12/
Temp. (C)/Hum.(%) 25 C / 55 %	Time: 10/01/44
EUT: Numpy 3G serials-AX1 SPEC	Engineer Signature:
Mode: TX Channel 1(802.11n20)	Distance: 3m
Model: Numpy 3G	
Manufacturer: AINOL	
Note: Report No.:ATE20132564	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.2760	56.72	-19.26	37.46	40.00	-2.54	peak			
2	60.0691	57.22	-21.09	36.13	40.00	-3.87	peak			
3	69.1141	59.06	-21.32	37.74	40.00	-2.26	peak			

Job No.:	STAR #4147	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	13/12/12/
Temp. (C)/Hum.(%)	25 C / 55 %	Time:	10/03/02
EUT:	Numy 3G serials-AX1 SPEC	Engineer Signature:	
Mode:	TX Channel 6(802.11n20)	Distance:	3m
Model:	Numy 3G		
Manufacturer:	AINOL		

Note: Report No.:ATE20132564



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.1561	55.05	-19.22	35.83	40.00	-4.17	peak			
2	69.1140	56.68	-21.32	35.36	40.00	-4.64	peak			
3	264.7456	61.91	-18.87	43.04	46.00	-2.96	peak			

Job No.: STAR #4146

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/02/17

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

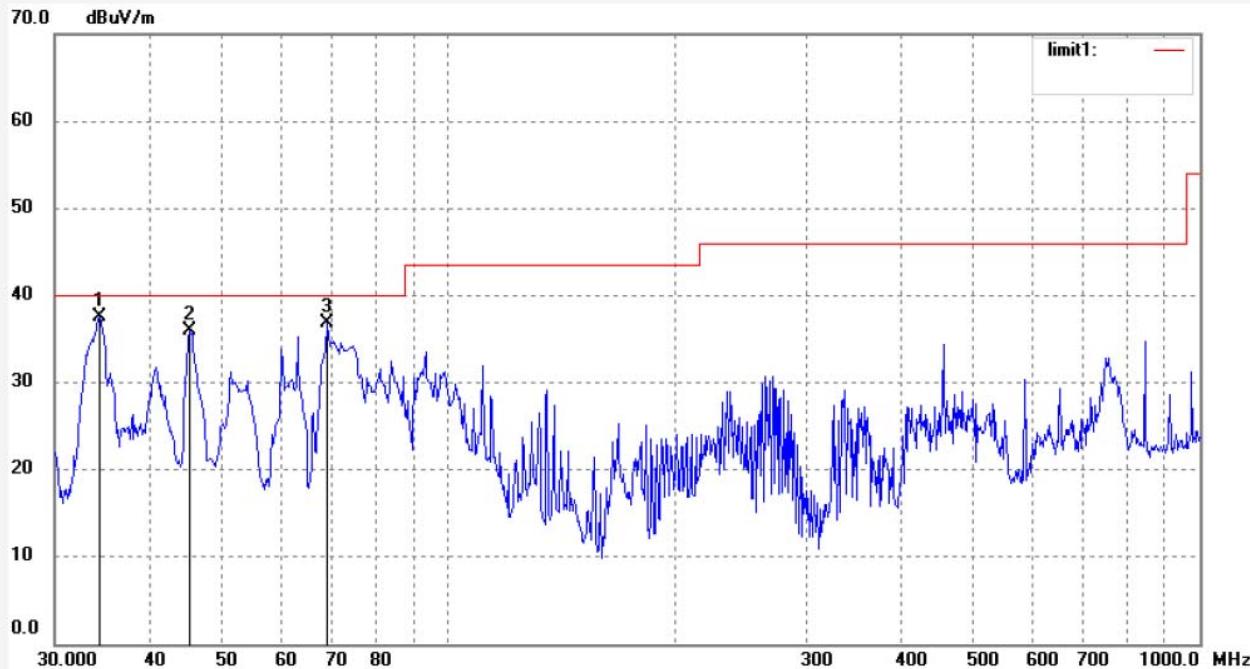
Mode: TX Channel 6(802.11n20)

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.3963	56.75	-19.30	37.45	40.00	-2.55	peak			
2	45.3755	56.31	-20.40	35.91	40.00	-4.09	peak			
3	69.1140	58.23	-21.32	36.91	40.00	-3.09	peak			

Job No.: STAR #4148

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Numpy 3G serials-AX1 SPEC

Mode: TX Channel 11(802.11n20)

Model: Numpy 3G

Manufacturer: AINOL

Polarization: Horizontal

Power Source: AC 120V/60Hz

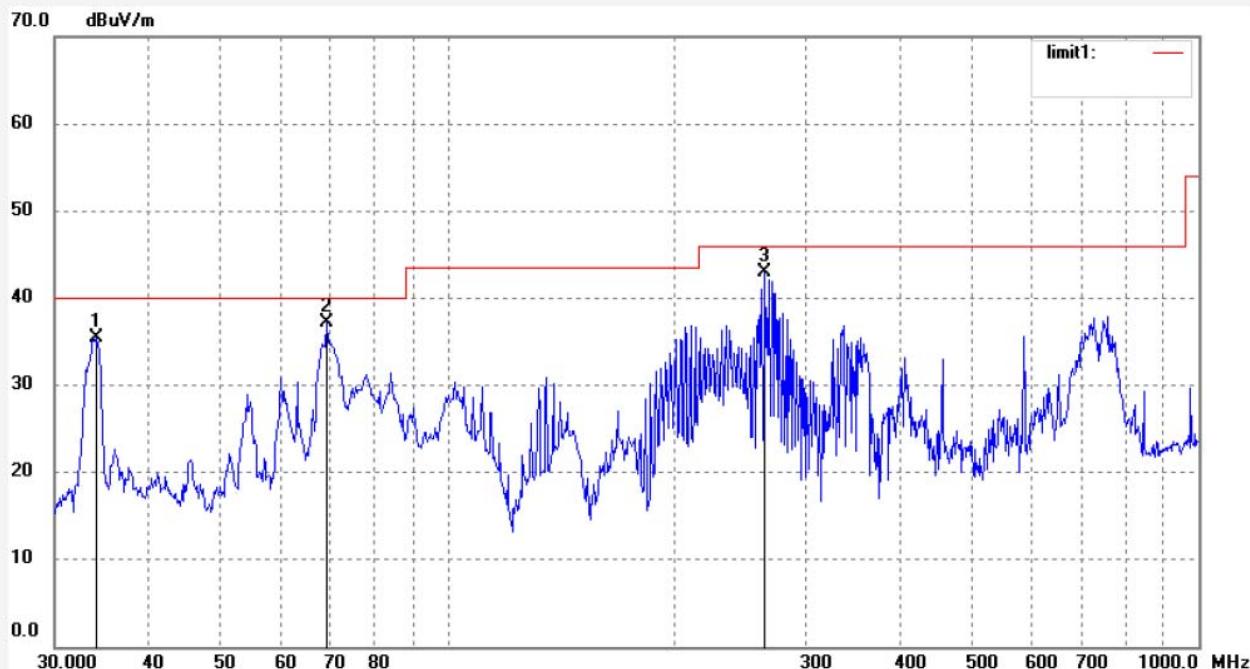
Date: 13/12/12/

Time: 10/03/27

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132564



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.0363	54.54	-19.17	35.37	40.00	-4.63	peak			
2	69.1140	58.55	-21.32	37.23	40.00	-2.77	peak			
3	264.7456	61.79	-18.87	42.92	46.00	-3.08	peak			

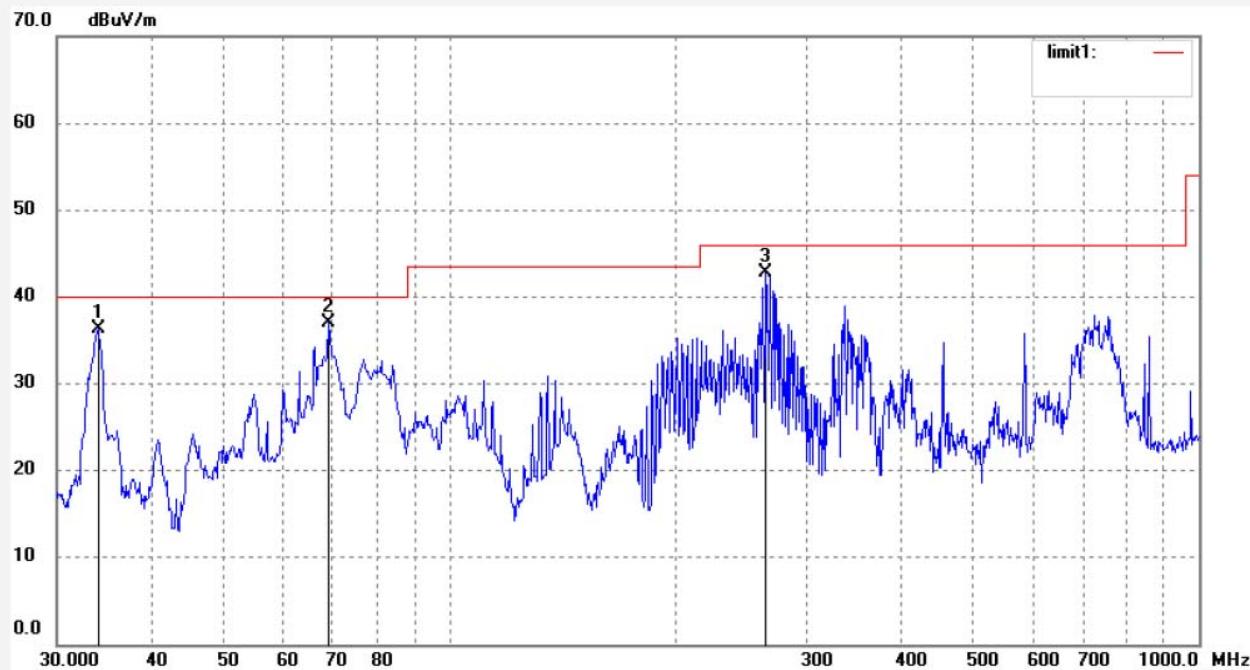


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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: STAR #4151	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/12/12/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/05/31
EUT: Numpy 3G serials-AX1 SPEC	Engineer Signature:
Mode: TX Channel 3(802.11n)40MHz	Distance: 3m
Model: Numpy 3G	
Manufacturer: AINOL	
Note: Report No.:ATE20132564	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.0365	55.48	-19.17	36.31	40.00	-3.69	peak			
2	69.1141	58.31	-21.32	36.99	40.00	-3.01	peak			
3	264.7457	61.61	-18.87	42.74	46.00	-3.26	peak			

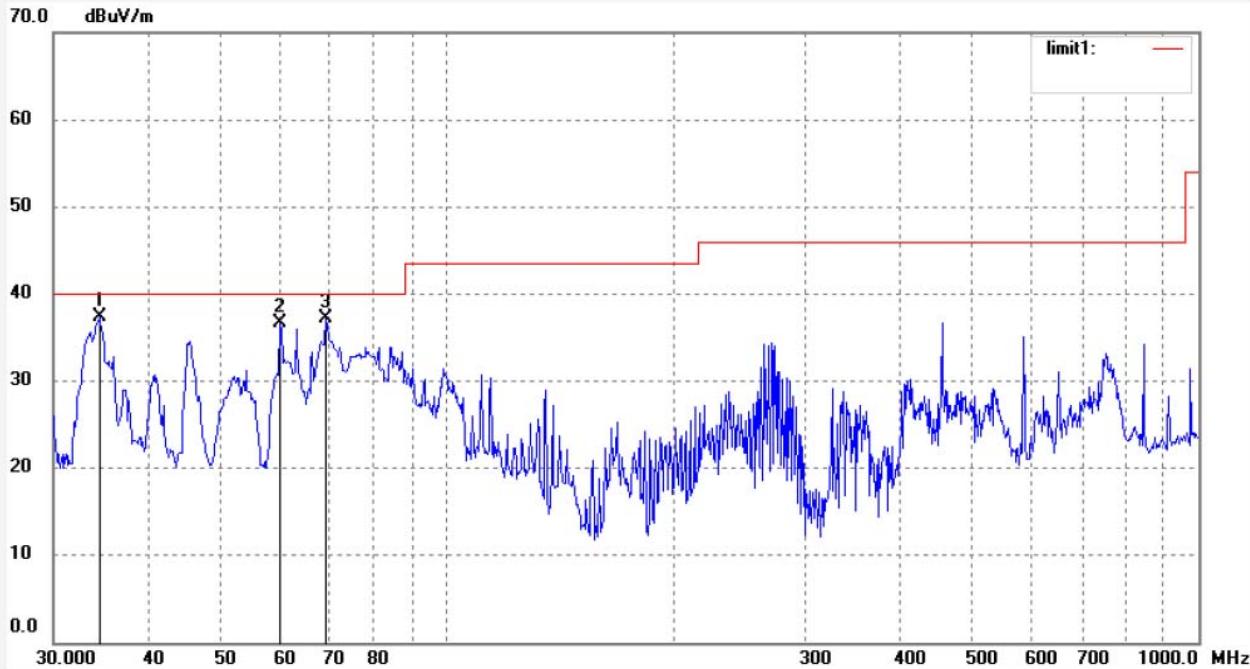


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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.:	STAR #4150	Polarization:	Vertical
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	13/12/12/
Temp.(C)/Hum.(%)	25 C / 55 %	Time:	10/04/49
EUT:	Numy 3G serials-AX1 SPEC	Engineer Signature:	
Mode:	TX Channel 3(802.11n)40MHz	Distance:	3m
Model:	Numy 3G		
Manufacturer:	AINOL		
Note:	Report No.:ATE20132564		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.5173	56.66	-19.34	37.32	40.00	-2.68	peak			
2	60.0691	57.73	-21.09	36.64	40.00	-3.36	peak			
3	69.1141	58.50	-21.32	37.18	40.00	-2.82	peak			

Job No.: STAR #4152

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/06/03

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

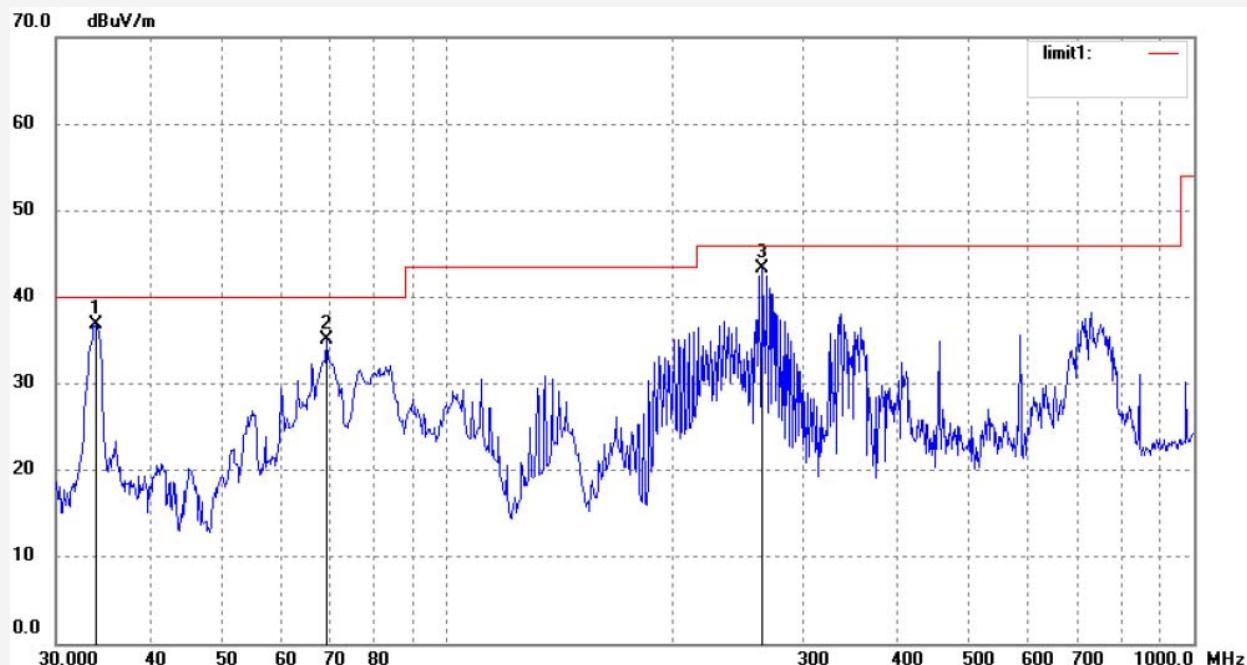
Mode: TX Channel 6(802.11n)40MHz

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	33.9174	55.97	-19.14	36.83	40.00	-3.17	peak			
2	69.1141	56.46	-21.32	35.14	40.00	-4.86	peak			
3	264.7457	62.15	-18.87	43.28	46.00	-2.72	peak			

Job No.: STAR #4153

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/06/40

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

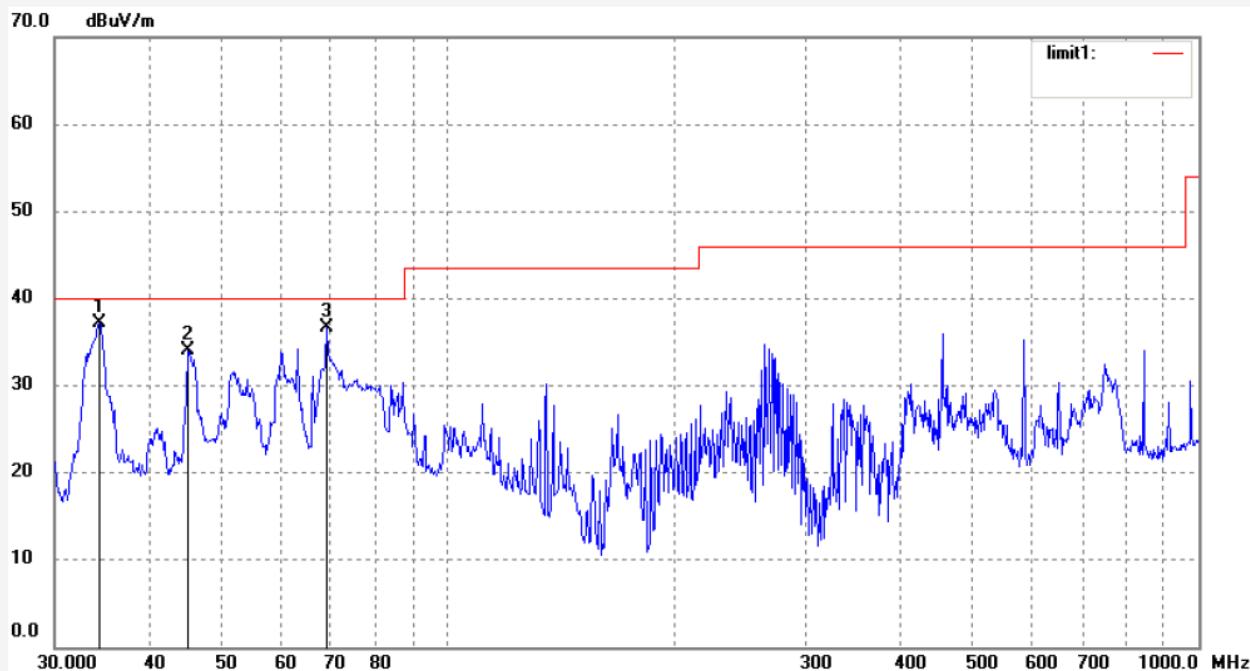
Mode: TX Channel 6(802.11n)40MHz

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.3964	56.46	-19.30	37.16	40.00	-2.84	peak			
2	45.2166	54.43	-20.39	34.04	40.00	-5.96	peak			
3	69.1141	58.01	-21.32	36.69	40.00	-3.31	peak			

Job No.: STAR #4155

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/08/04

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

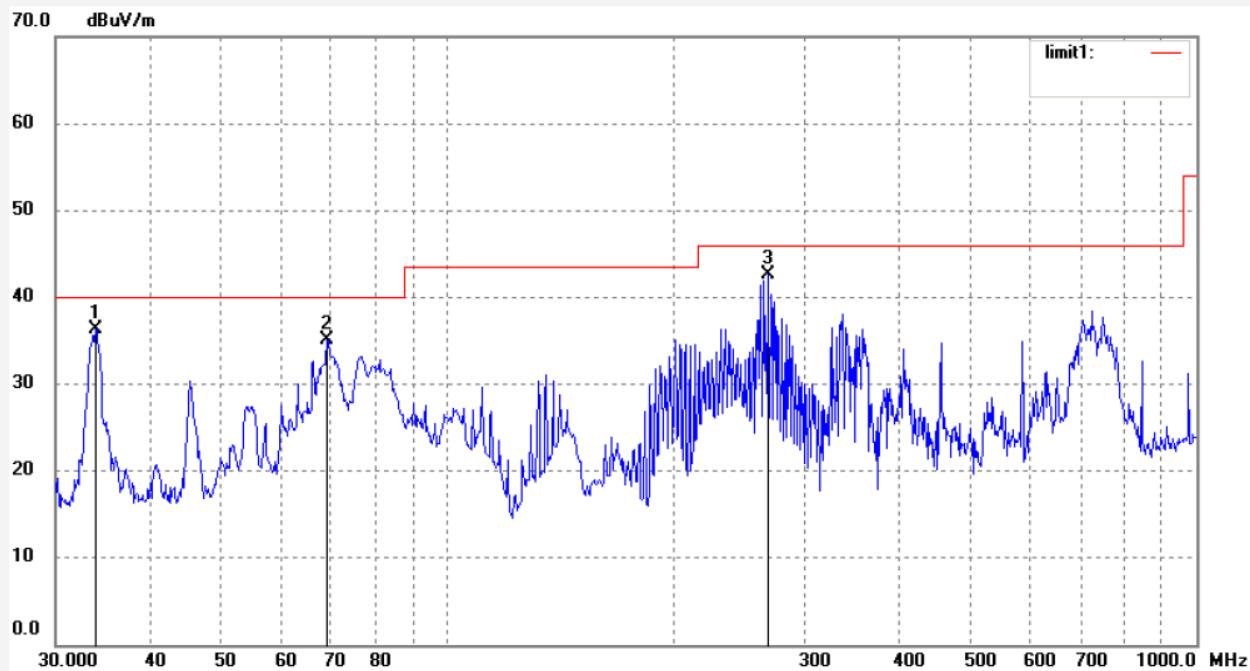
Mode: TX Channel 9(802.11n)40MHz

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	33.9174	55.50	-19.14	36.36	40.00	-3.64	peak			
2	69.1141	56.49	-21.32	35.17	40.00	-4.83	peak			
3	268.4853	61.37	-18.74	42.63	46.00	-3.37	peak			



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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.: STAR #4154

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/07/15

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

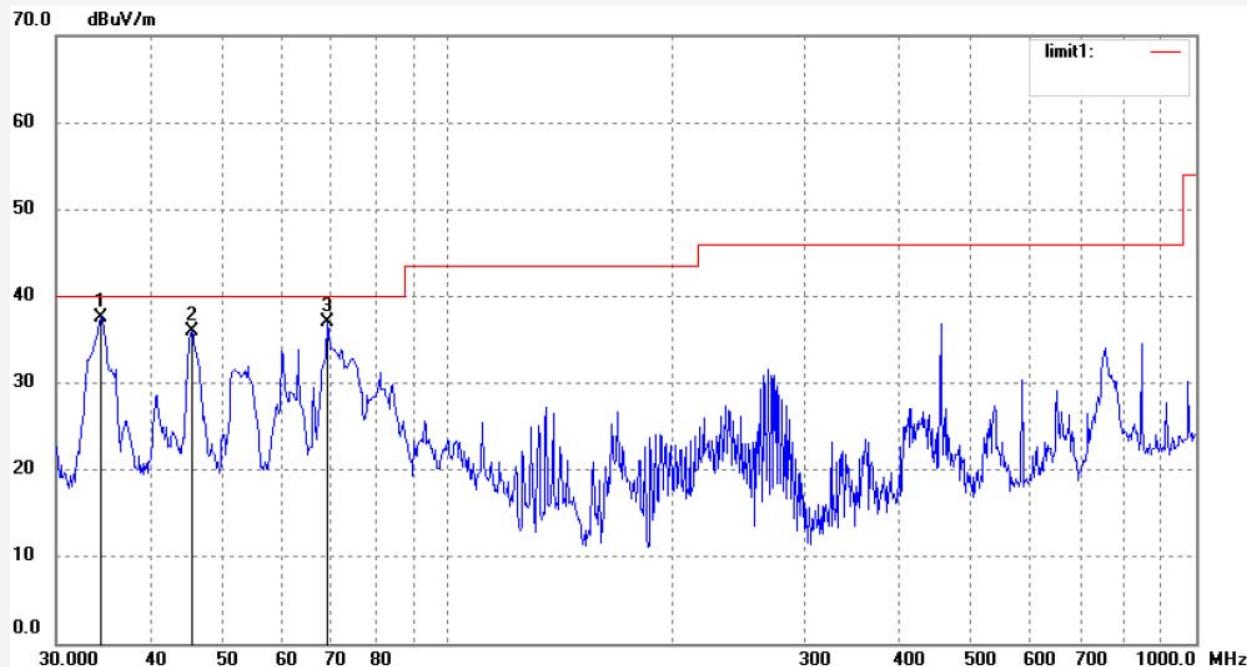
Mode: TX Channel 9(802.11n)40MHz

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.3963	56.87	-19.30	37.57	40.00	-2.43	peak			
2	45.5347	56.36	-20.41	35.95	40.00	-4.05	peak			
3	69.1140	58.35	-21.32	37.03	40.00	-2.97	peak			

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.: STAR #4156

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/10/04

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

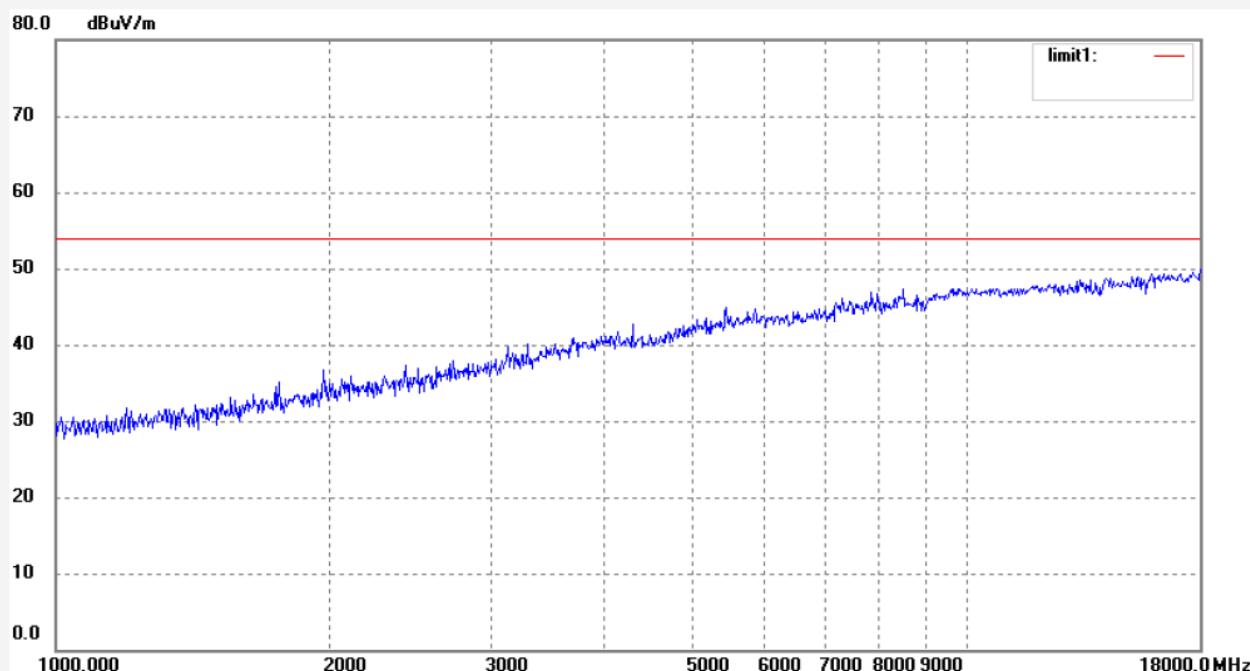
Mode: TX Channel 1(802.11b)

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



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.: STAR #4157

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/10/32

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

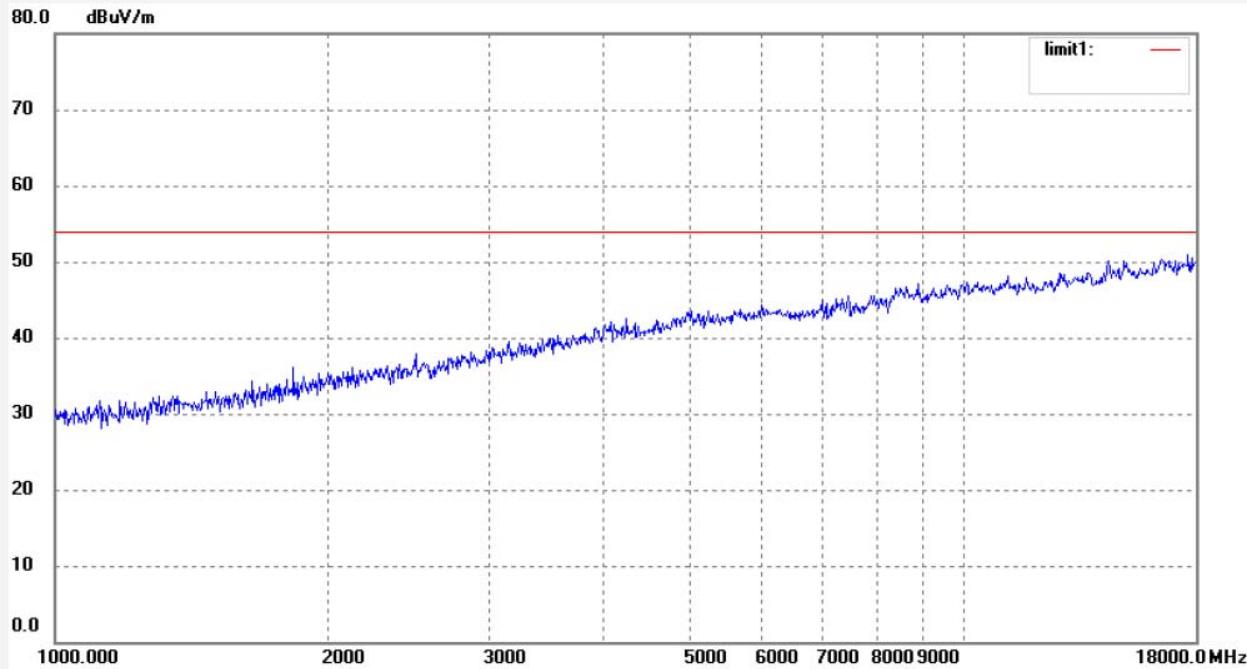
Mode: TX Channel 1(802.11b)

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



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.: STAR #4159

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/11/30

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

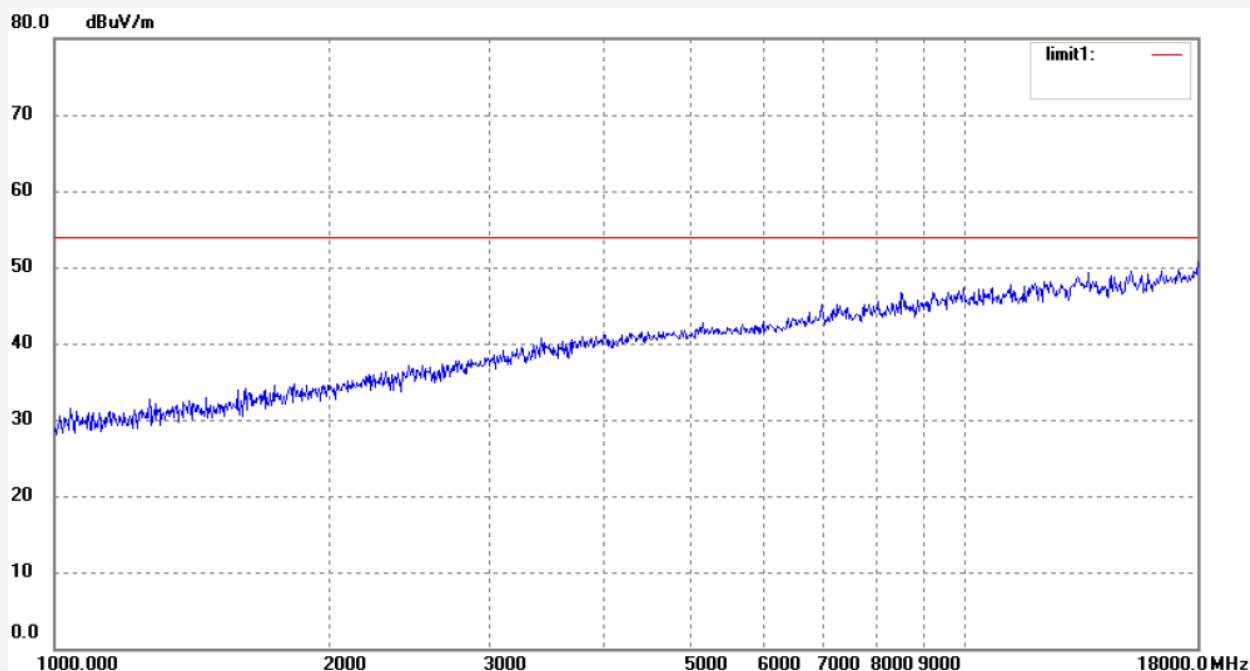
Mode: TX Channel 6(802.11b)

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



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

Job No.: STAR #4158

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/11/02

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

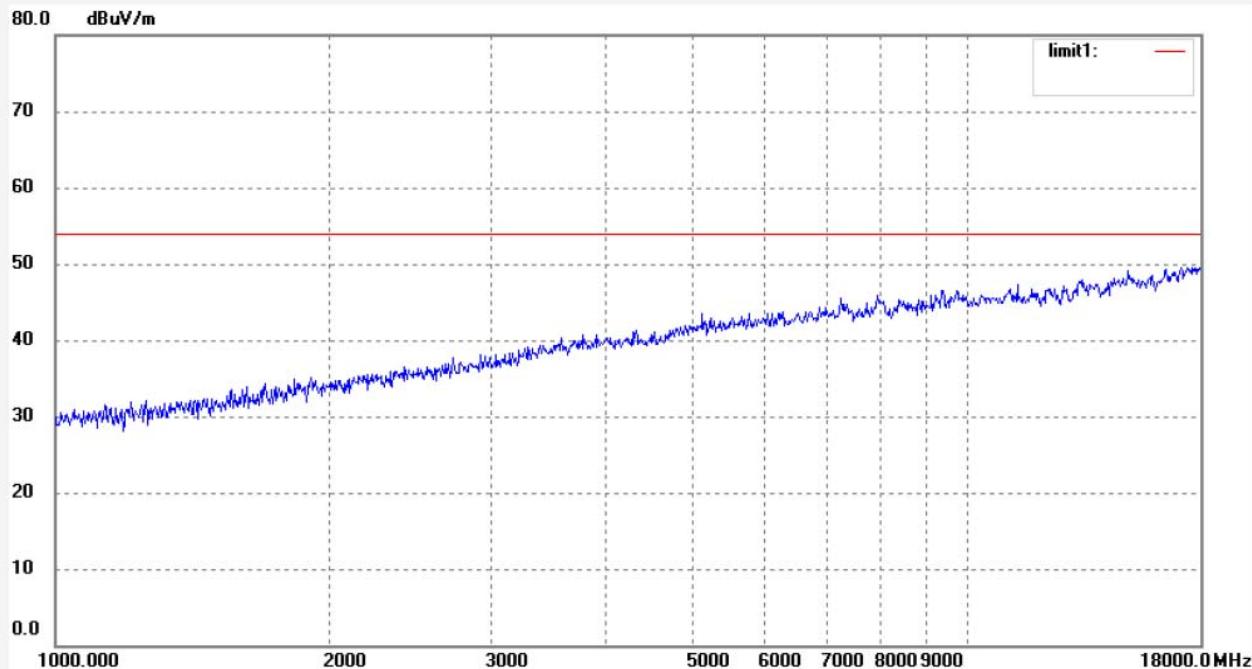
Mode: TX Channel 6(802.11b)

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



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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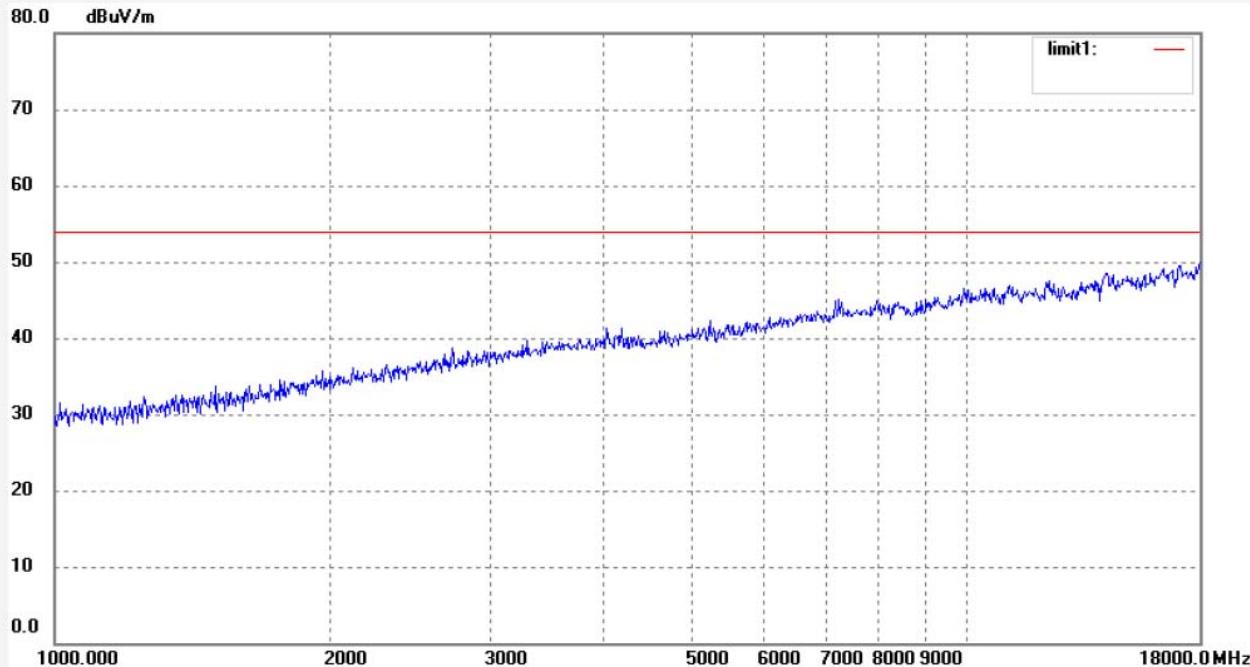


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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: STAR #4160	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/12/12/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/12/07
EUT: Numpy 3G serials-AX1 SPEC	Engineer Signature:
Mode: TX Channel 11(802.11b)	Distance: 3m
Model: Numpy 3G	
Manufacturer: AINOL	
Note: Report No.:ATE20132564	



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.: STAR #4161

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/12/40

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

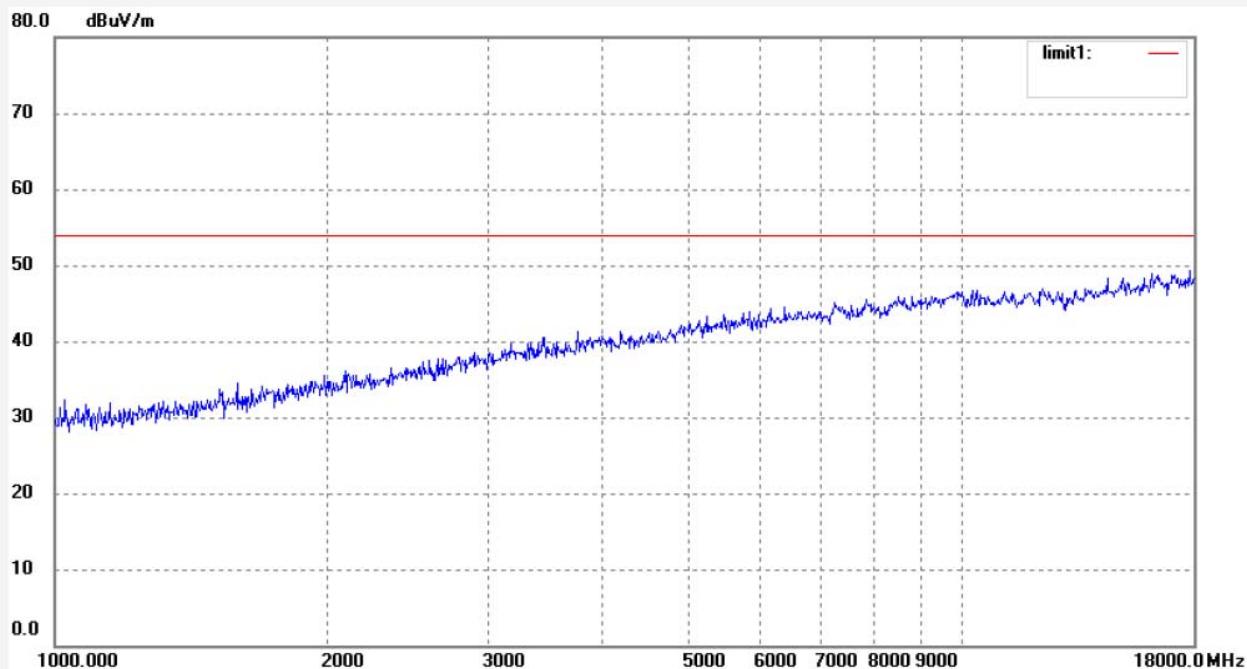
Mode: TX Channel 11(802.11b)

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



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.: STAR #4163

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/13/51

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

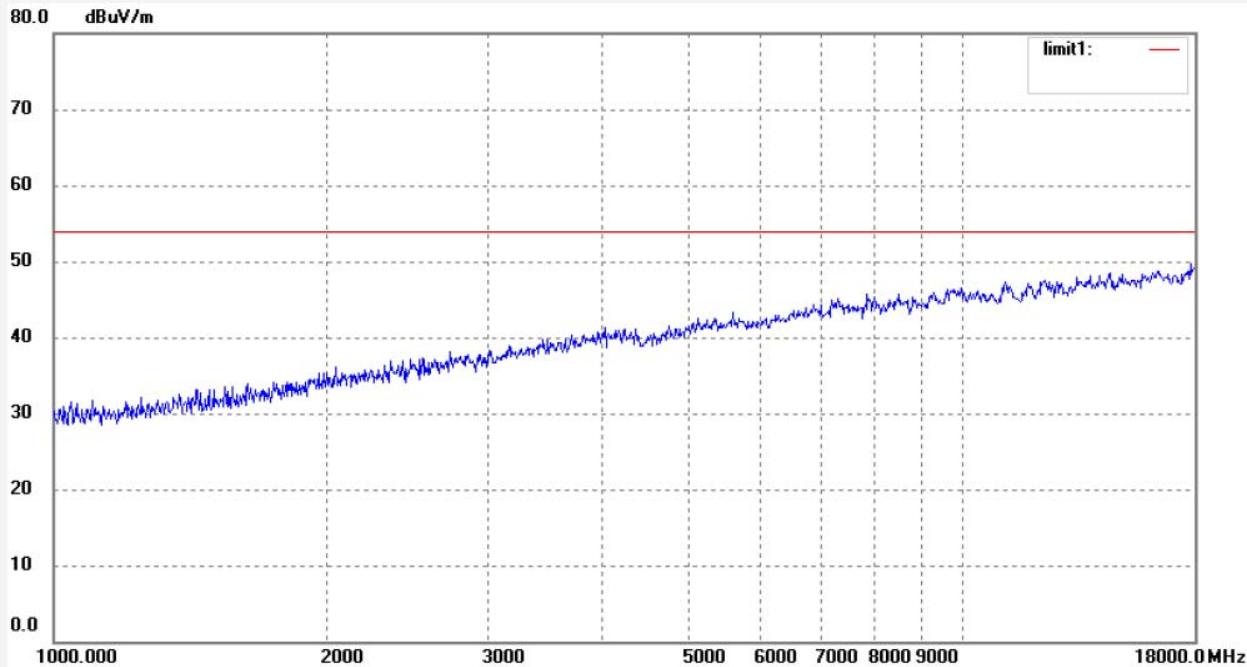
Mode: TX Channel 1(802.11g)

Distance: 3m

Model: Numpy 3G

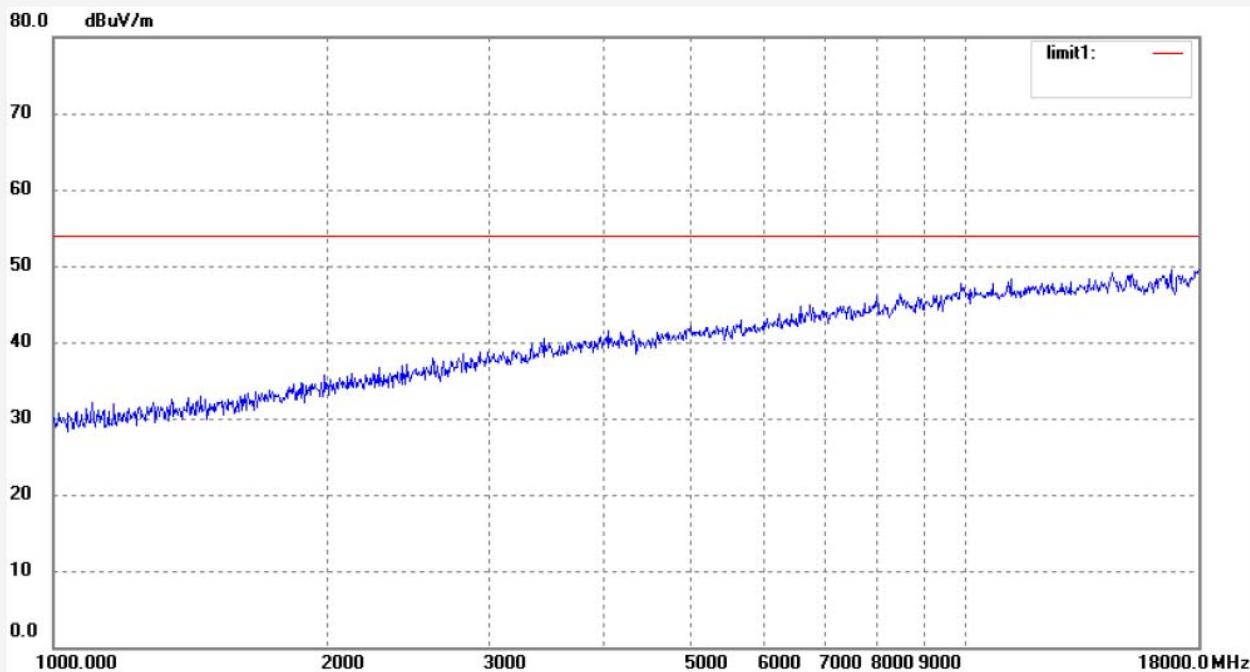
Manufacturer: AINOL

Note: Report No.:ATE20132564



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.: STAR #4162	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/12/12/
Temp. (C)/Hum.(%) 25 C / 55 %	Time: 10/13/16
EUT: Numpy 3G serials-AX1 SPEC	Engineer Signature:
Mode: TX Channel 1(802.11g)	Distance: 3m
Model: Numpy 3G	
Manufacturer: AINOL	
Note: Report No.:ATE20132564	



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.: STAR #4164

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/14/31

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

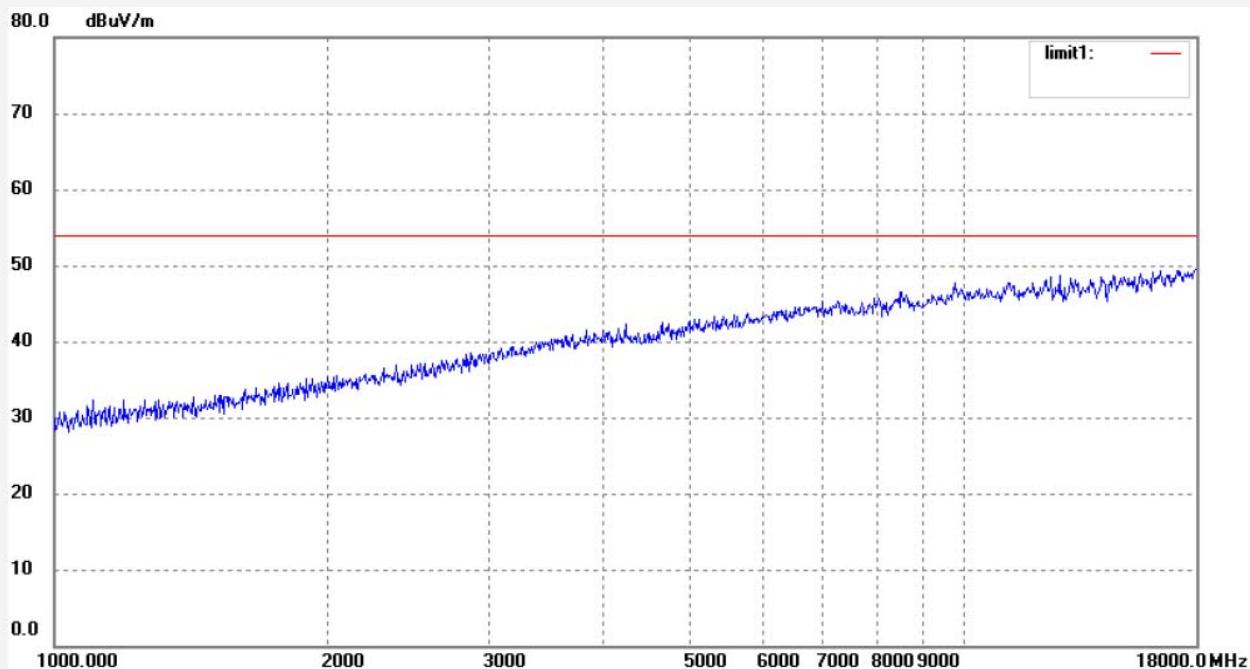
Mode: TX Channel 6(802.11g)

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



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.: STAR #4165

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/15/05

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

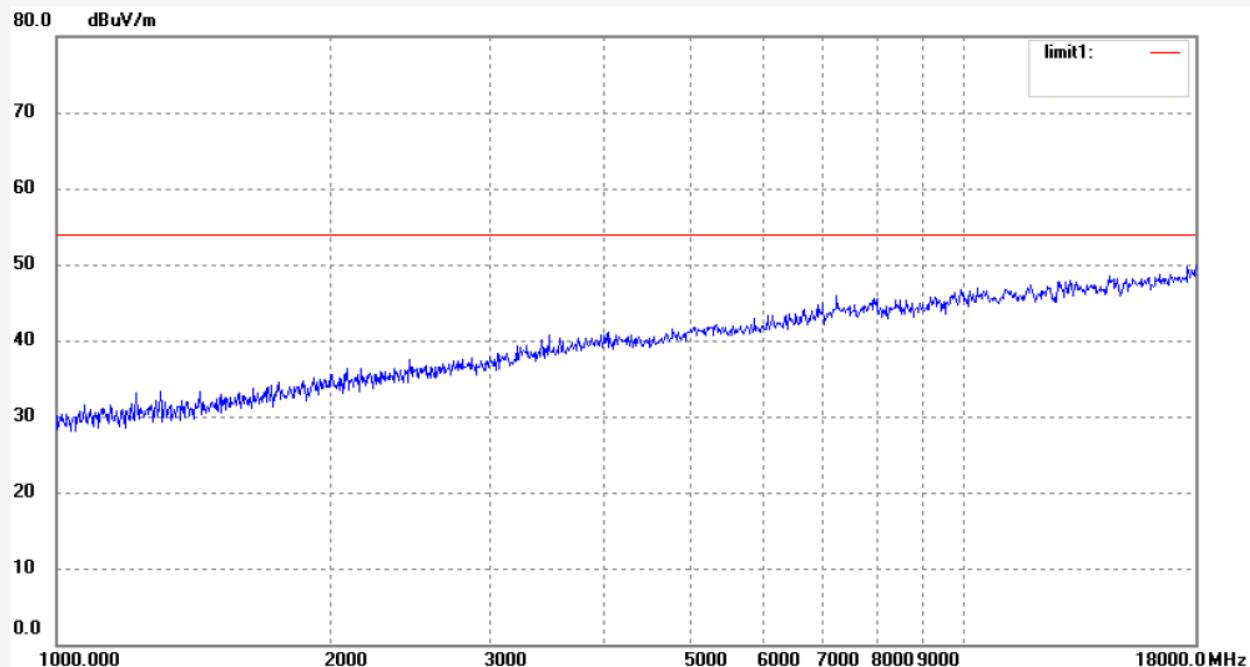
Mode: TX Channel 6(802.11g)

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



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.: STAR #4167

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/16/17

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

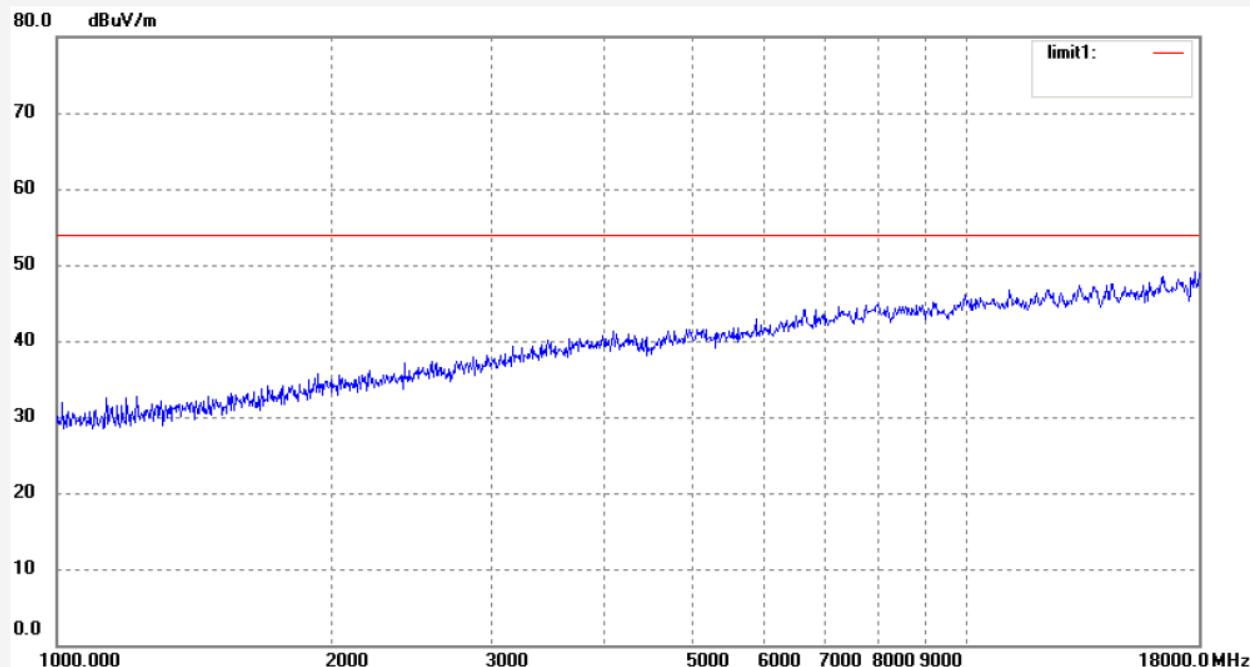
Mode: TX Channel 11(802.11g)

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



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.: STAR #4166

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/15/44

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

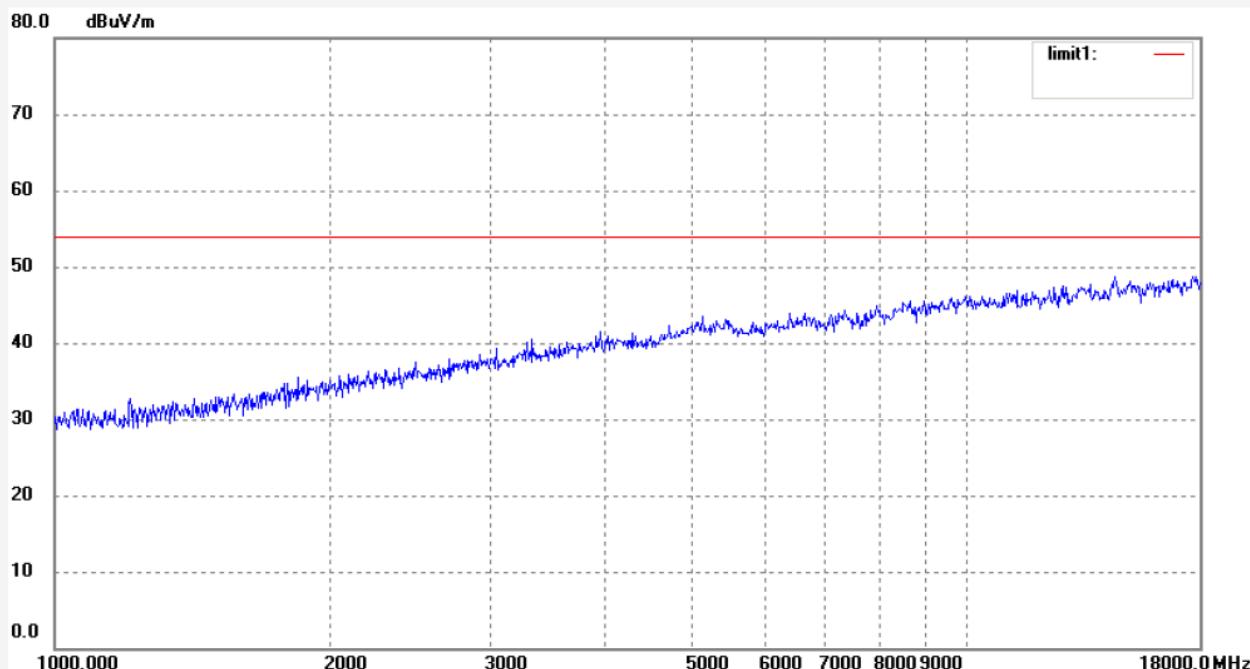
Mode: TX Channel 11(802.11g)

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



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.: STAR #4168

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/16/50

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

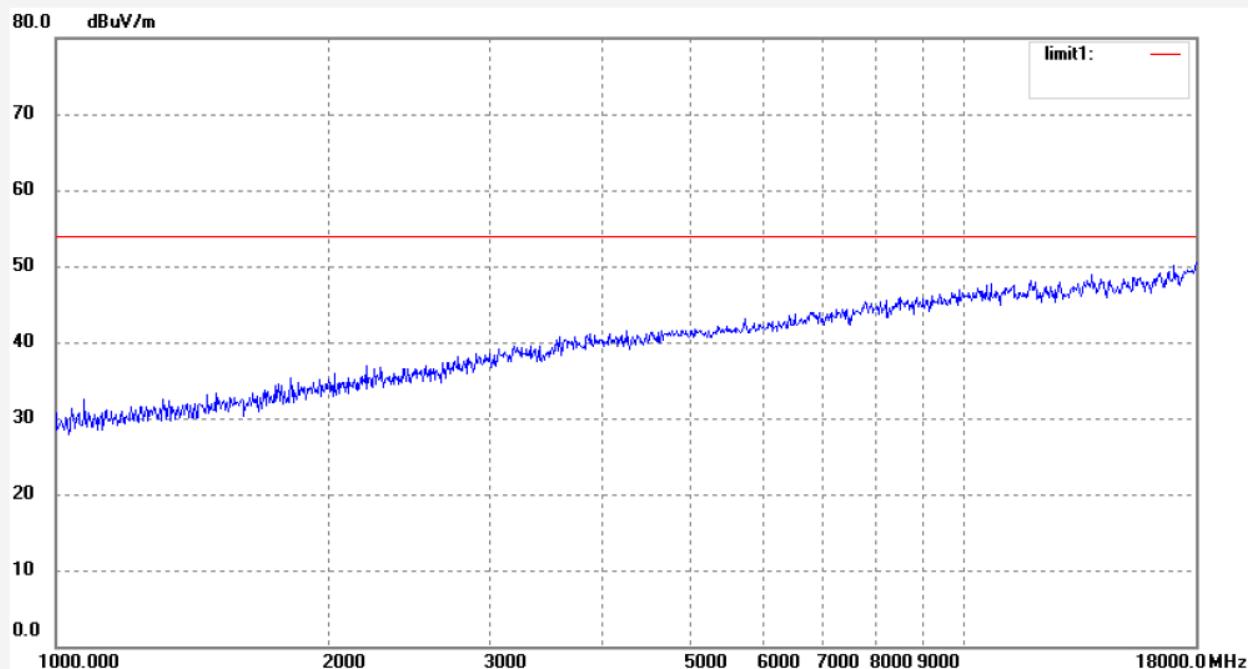
Mode: TX Channel 1(802.11n20)

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



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.: STAR #4169

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/17/29

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

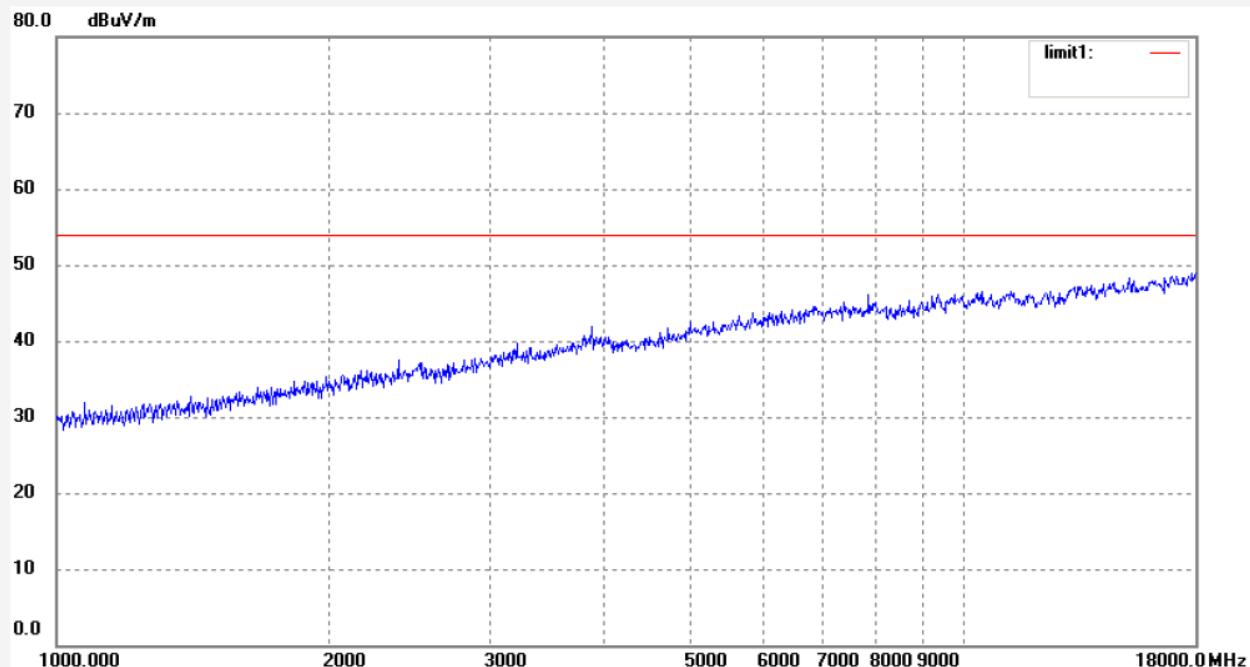
Mode: TX Channel 1(802.11n20)

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



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.: STAR #4171

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/19/07

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

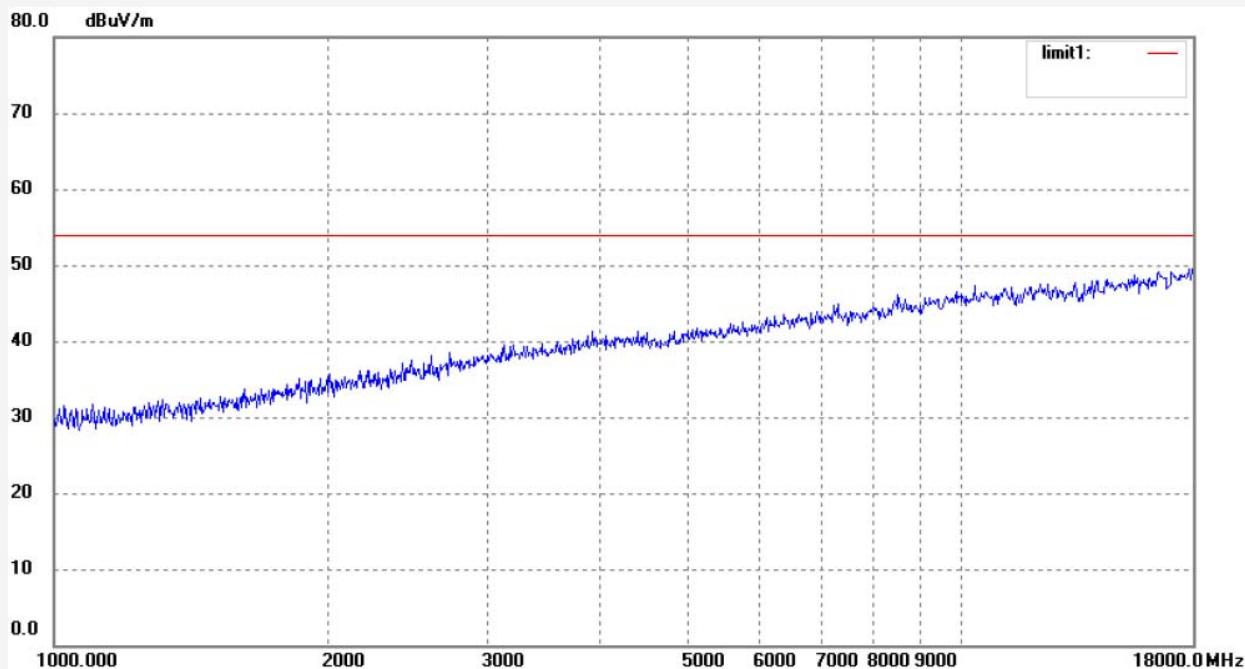
Mode: TX Channel 6(802.11n20)

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



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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Fax:+86-0755-26503396

Job No.: STAR #4170

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/18/29

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

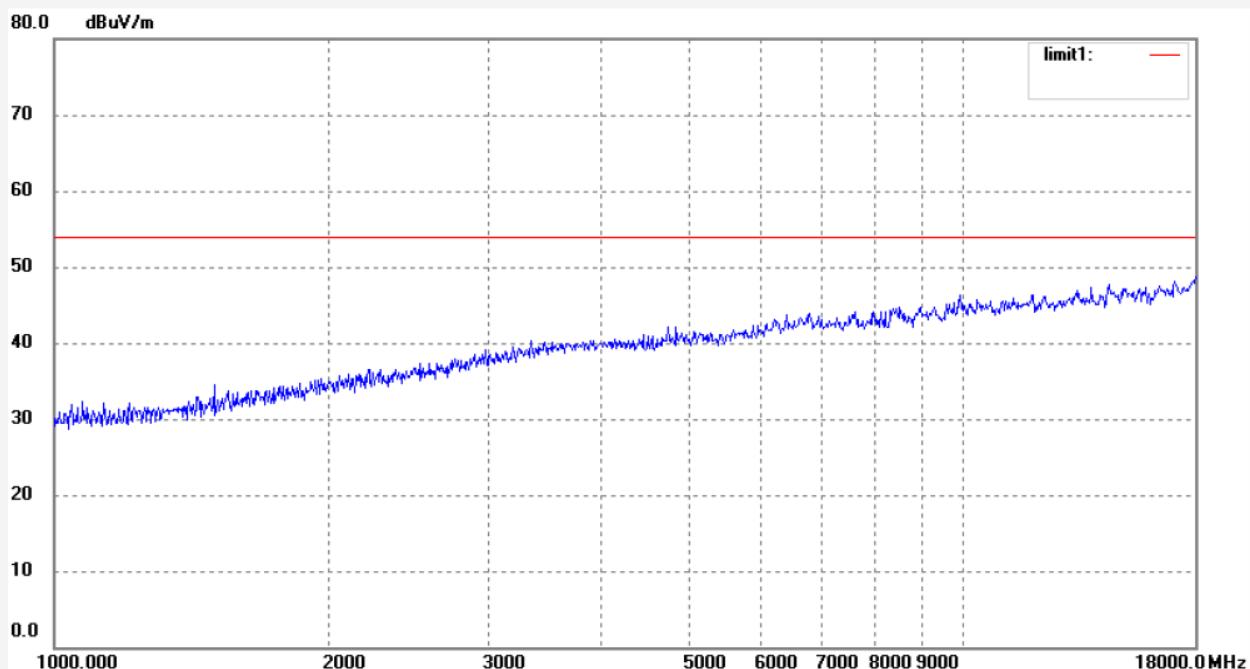
Mode: TX Channel 6(802.11n20)

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



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

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Fax:+86-0755-26503396

Job No.: STAR #4172

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/20/07

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

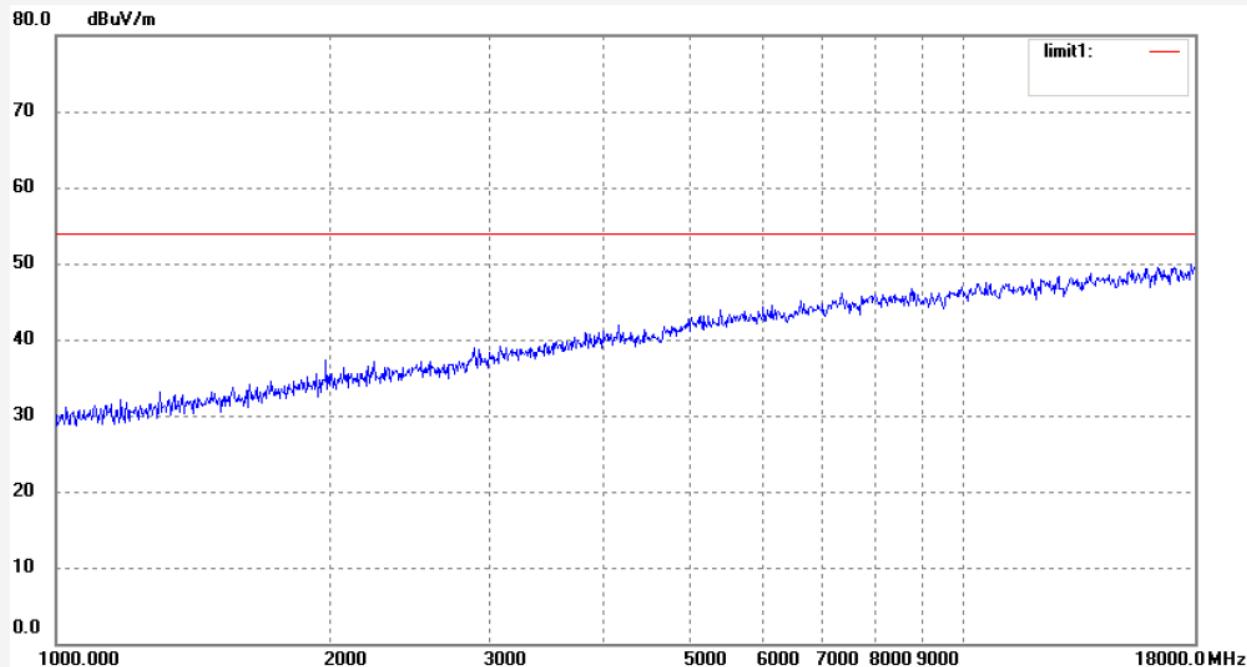
Mode: TX Channel 11(802.11n20)

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



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.: STAR #4173

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/20/43

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

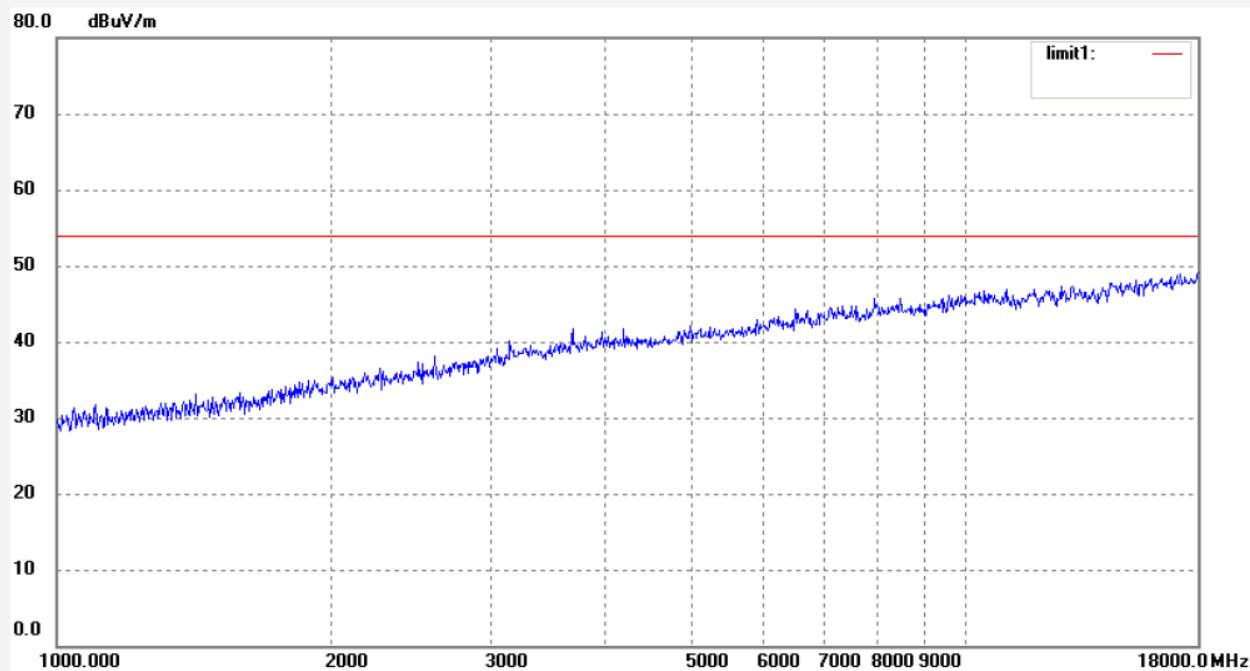
Mode: TX Channel 11(802.11n20)

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



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.: STAR #4175

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/22/05

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

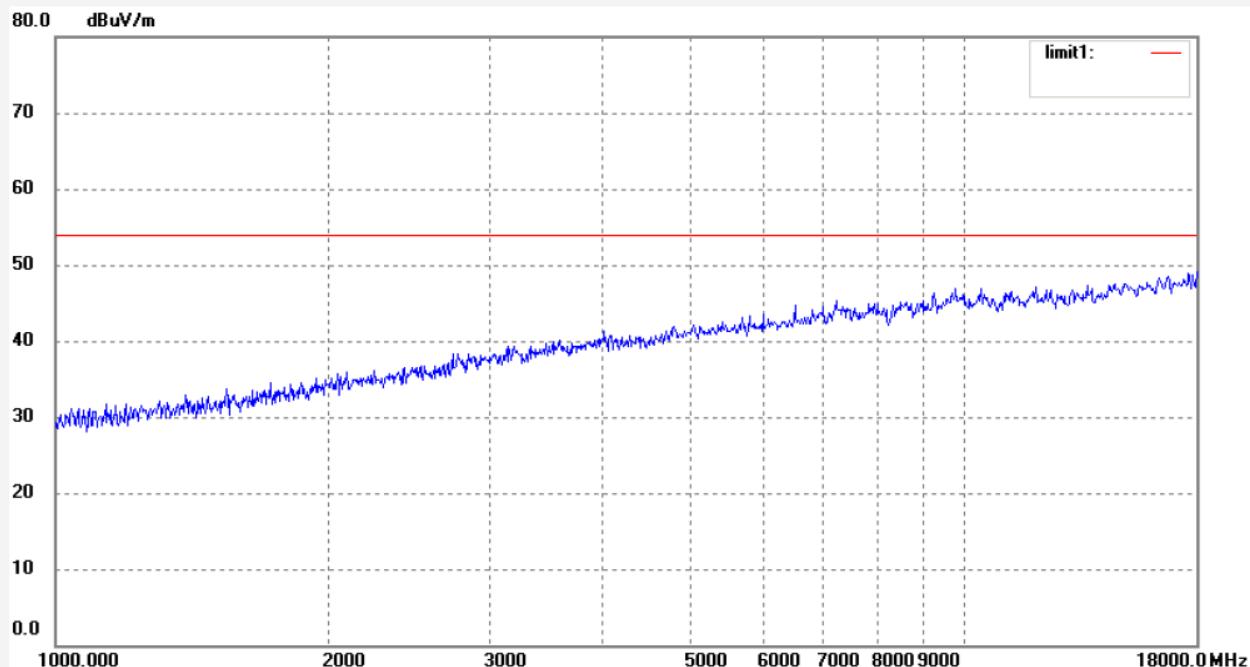
Mode: TX Channel 3(802.11n)40MHz

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



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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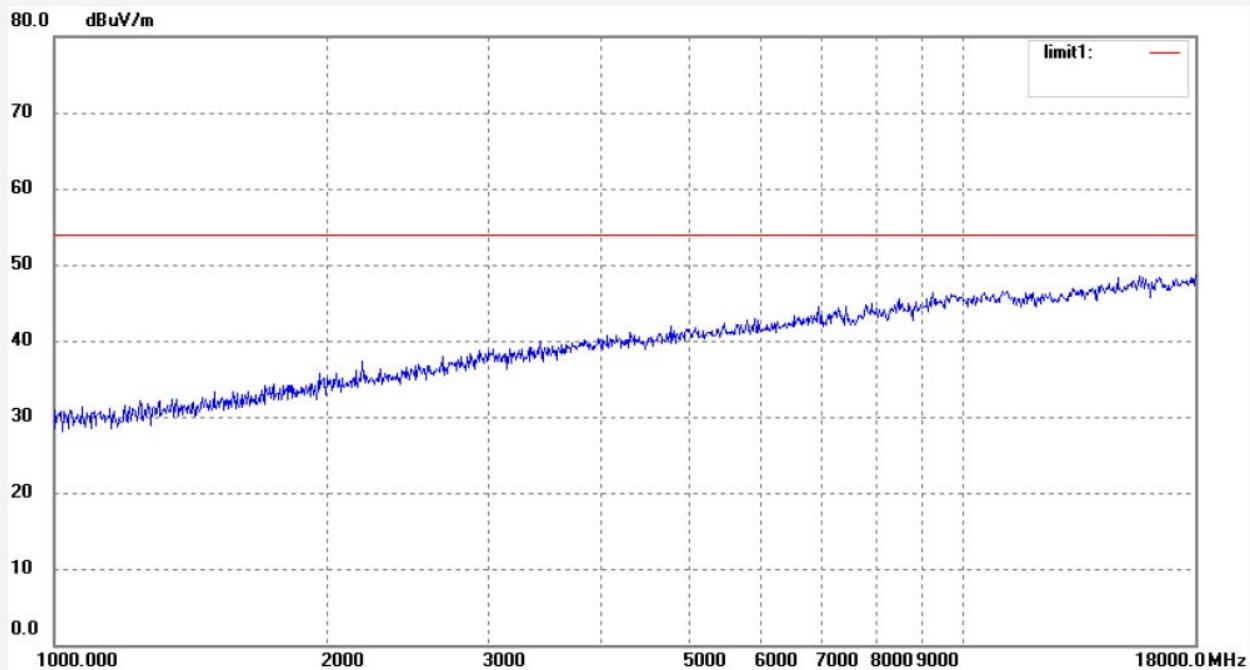


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Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: STAR #4174	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/12/12/
Temp. (C)/Hum.(%) 25 C / 55 %	Time: 10/21/28
EUT: Numpy 3G serials-AX1 SPEC	Engineer Signature:
Mode: TX Channel 3(802.11n)40MHz	Distance: 3m
Model: Numpy 3G	
Manufacturer: AINOL	
Note: Report No.:ATE20132564	



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

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Fax:+86-0755-26503396

Job No.: STAR #4176

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/22/45

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

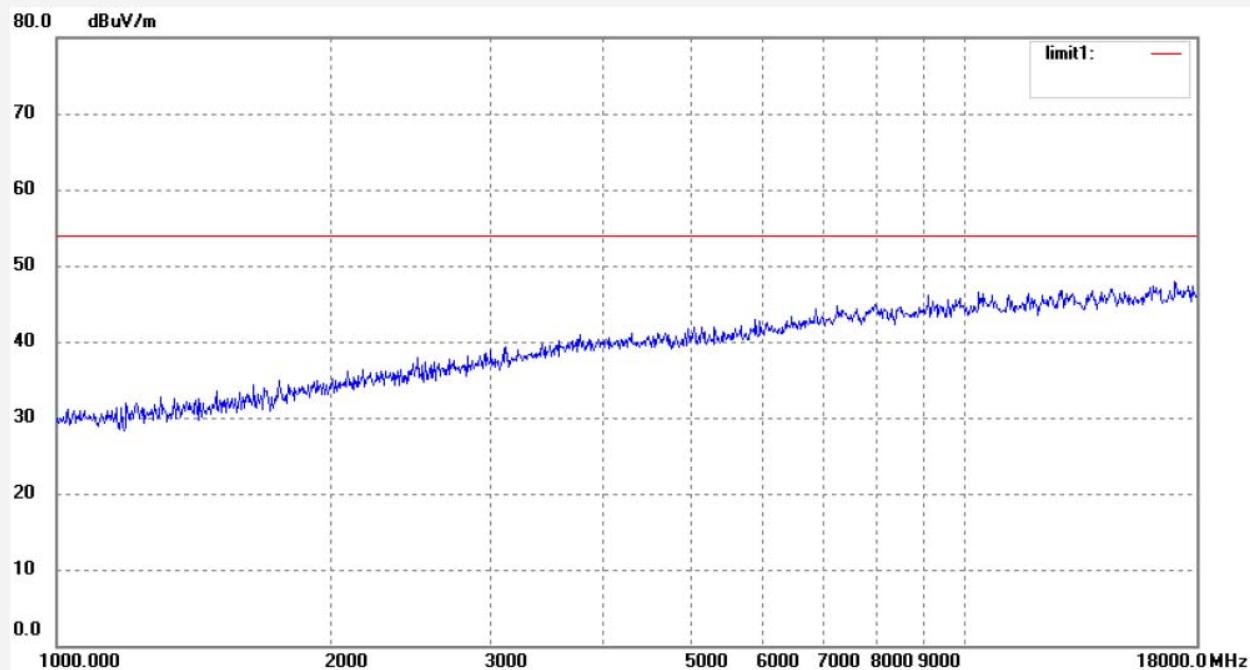
Mode: TX Channel 6(802.11n)40MHz

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



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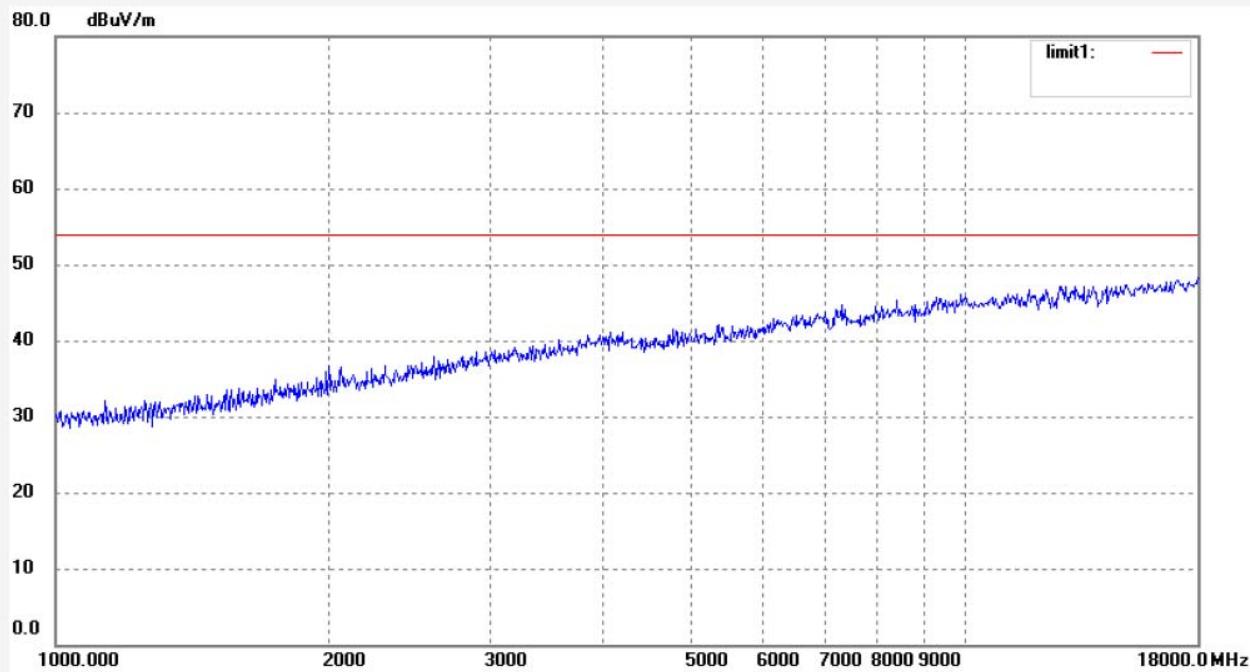
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #4177	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/12/12/
Temp. (C)/Hum.(%) 25 C / 55 %	Time: 10/23/24
EUT: Numpy 3G serials-AX1 SPEC	Engineer Signature:
Mode: TX Channel 6(802.11n)40MHz	Distance: 3m
Model: Numpy 3G	
Manufacturer: AINOL	
Note: Report No.:ATE20132564	



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

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Fax:+86-0755-26503396

Job No.: STAR #4179

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/24/51

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

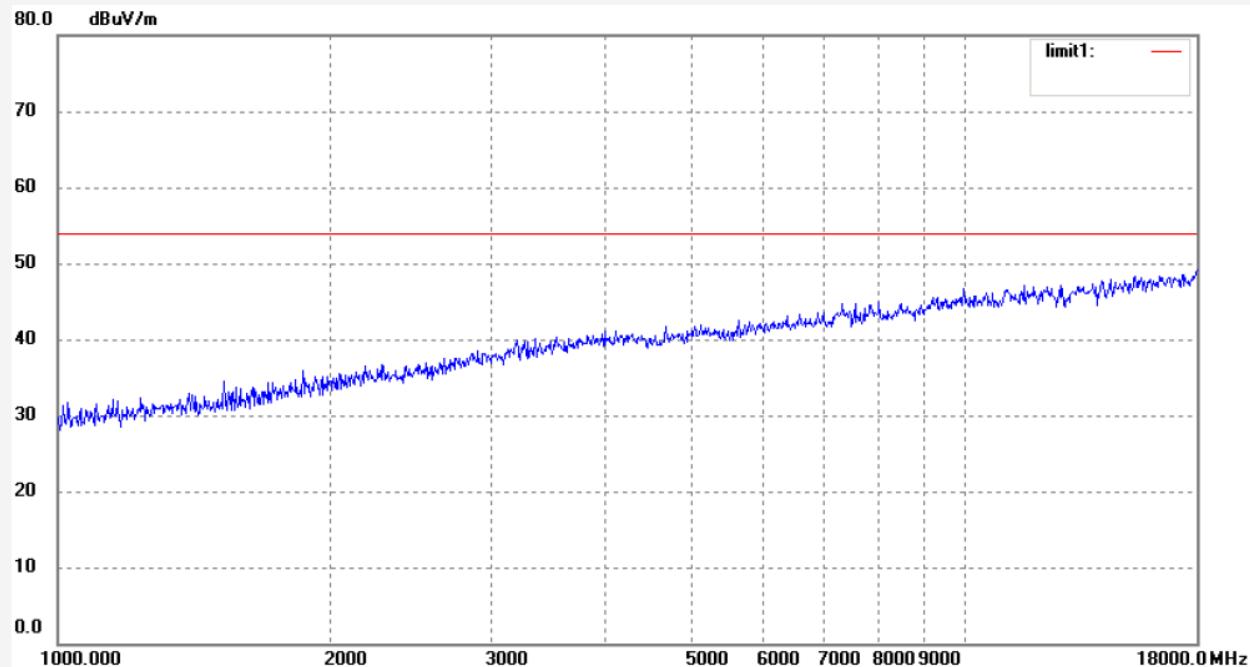
Mode: TX Channel 9(802.11n)40MHz

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

Note: Report No.:ATE20132564



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

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Fax:+86-0755-26503396

Job No.: STAR #4178

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/12/12/

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

Time: 10/24/06

EUT: Numpy 3G serials-AX1 SPEC

Engineer Signature:

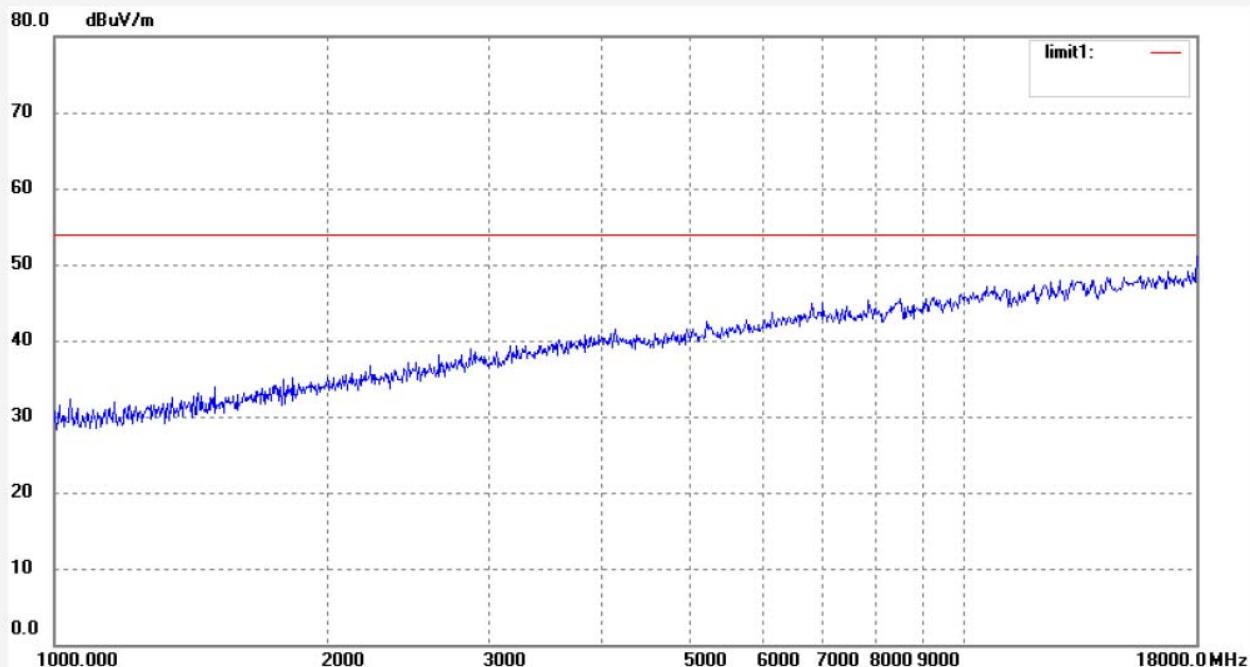
Mode: TX Channel 9(802.11n)40MHz

Distance: 3m

Model: Numpy 3G

Manufacturer: AINOL

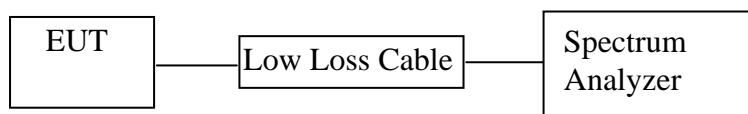
Note: Report No.:ATE20132564



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

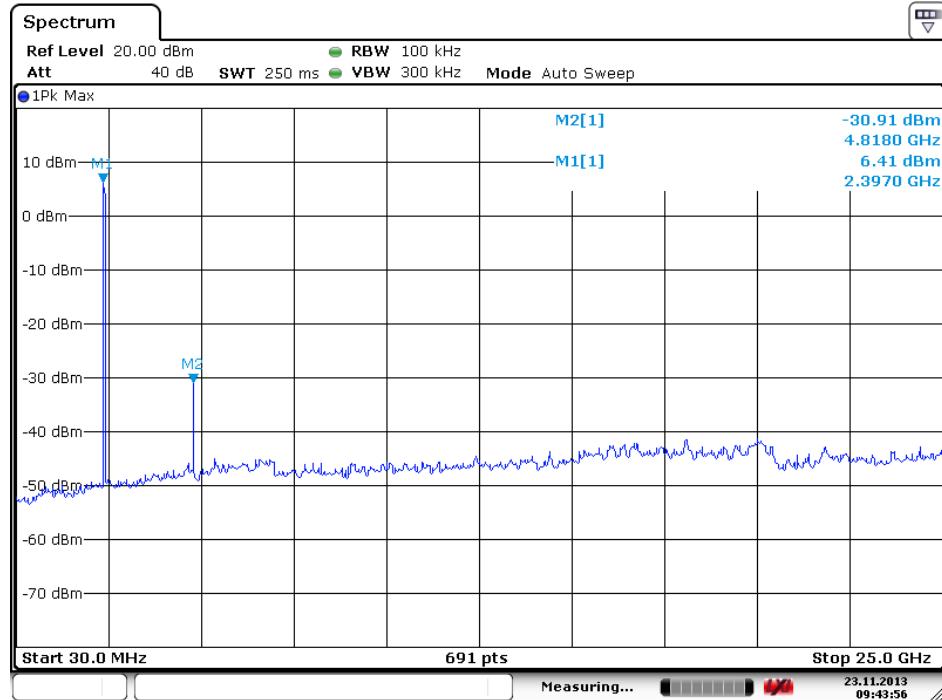
- 11.5.1. The transmitter output was connected to the spectrum analyzer via a low loss cable.
- 11.5.2. Set RBW of spectrum analyzer to 100kHz and VBW to 300kHz (below 1GHz).
- 11.5.3. Set RBW of spectrum analyzer to 1MHz and VBW to 3MHz (above 1GHz).
- 11.5.4. The Conducted Spurious Emission was measured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

11.6. Test Result

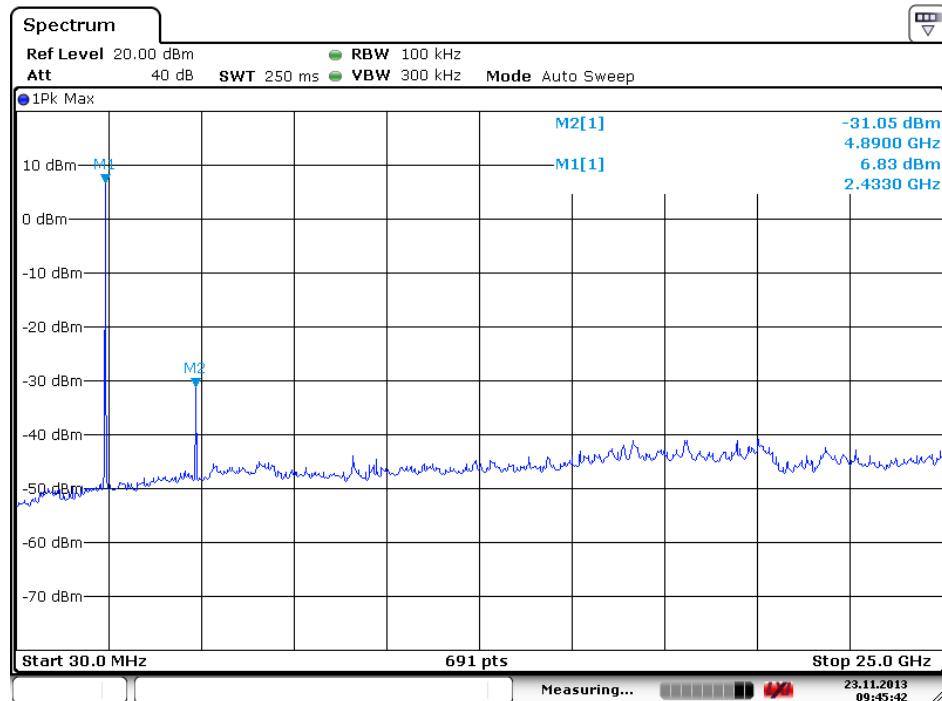
Pass.

The spectrum analyzer plots are attached as below.

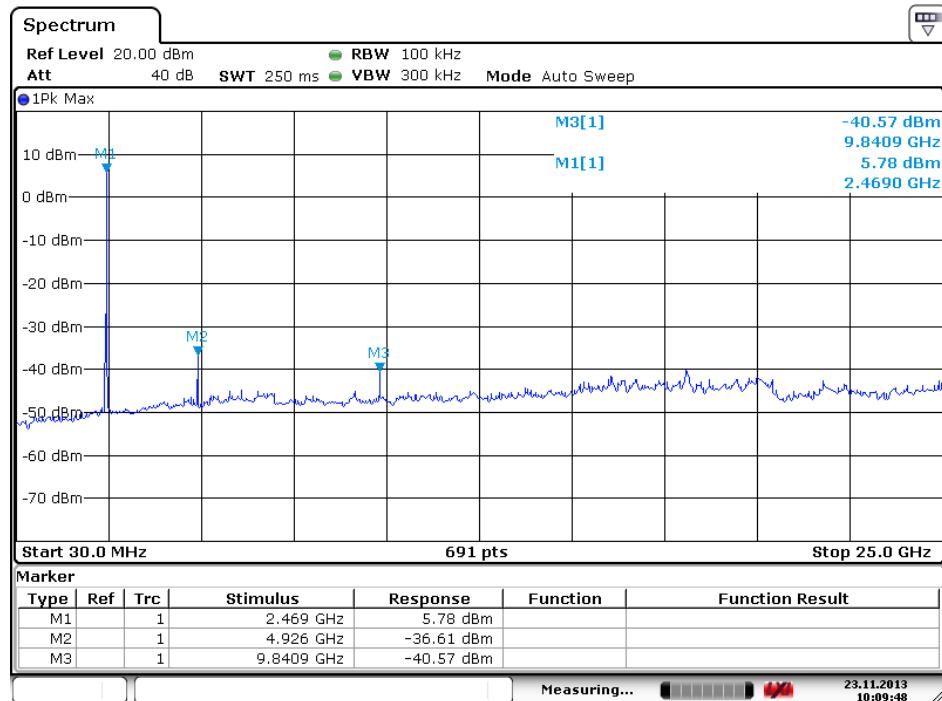
TX 802.11b Channel Low 2412MHz



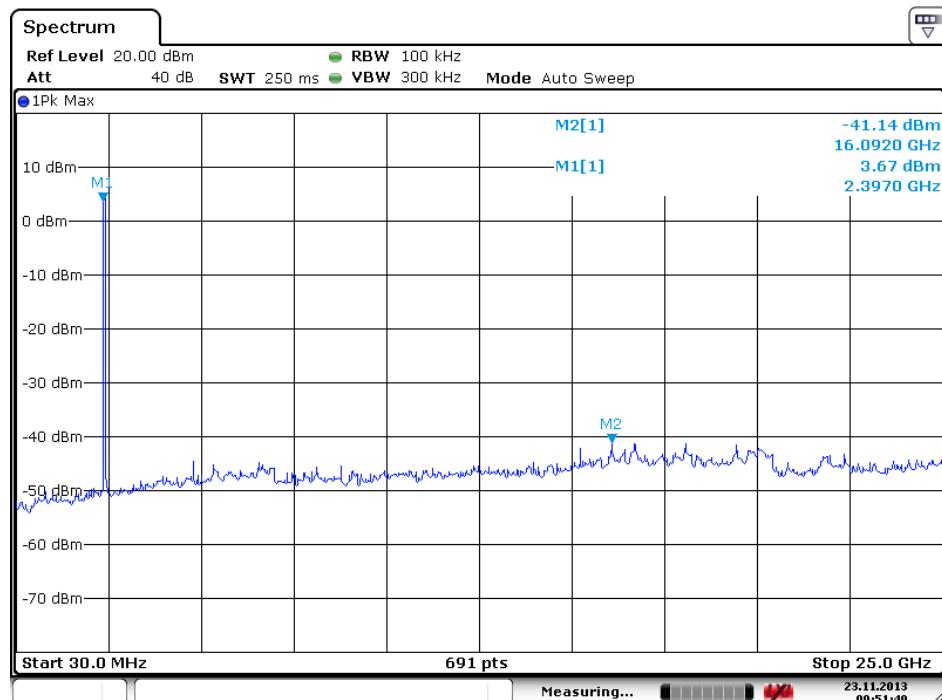
TX 802.11b Channel Middle 2437MHz



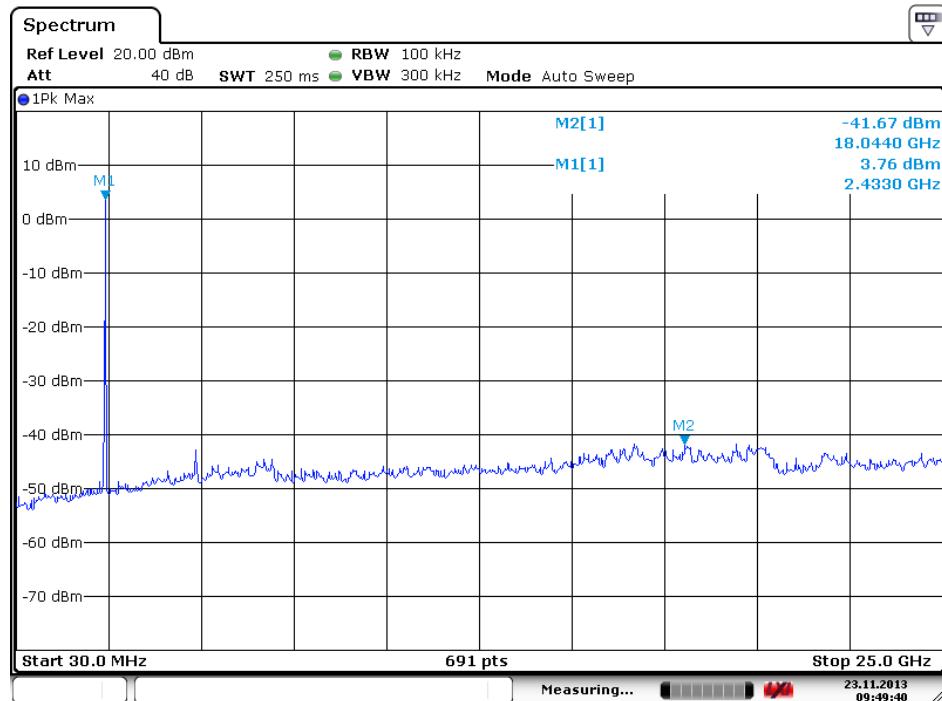
TX 802.11b Channel High 2462MHz



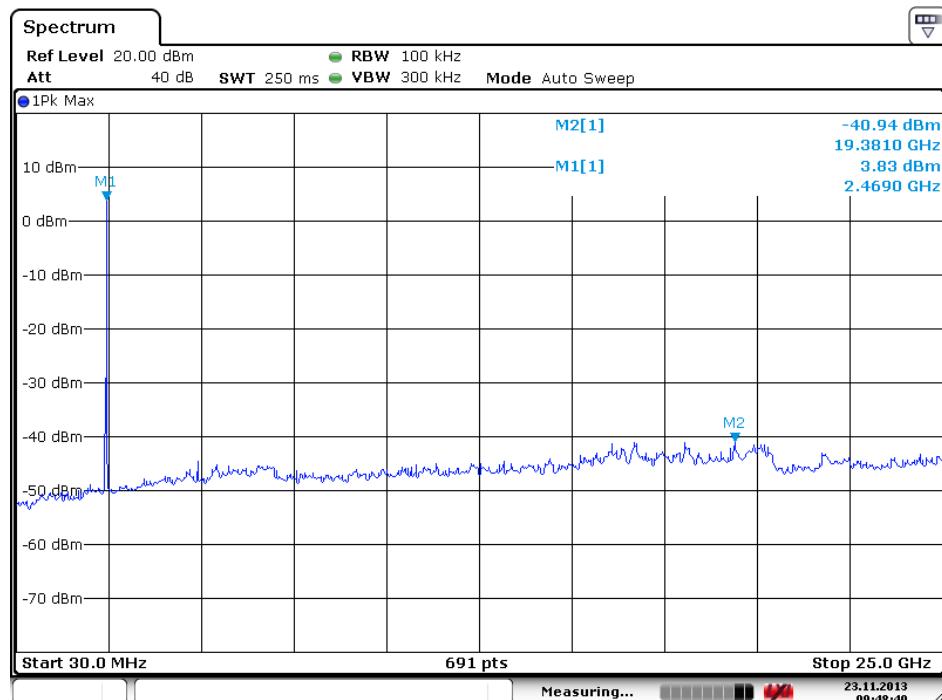
TX 802.11g Channel Low 2412MHz



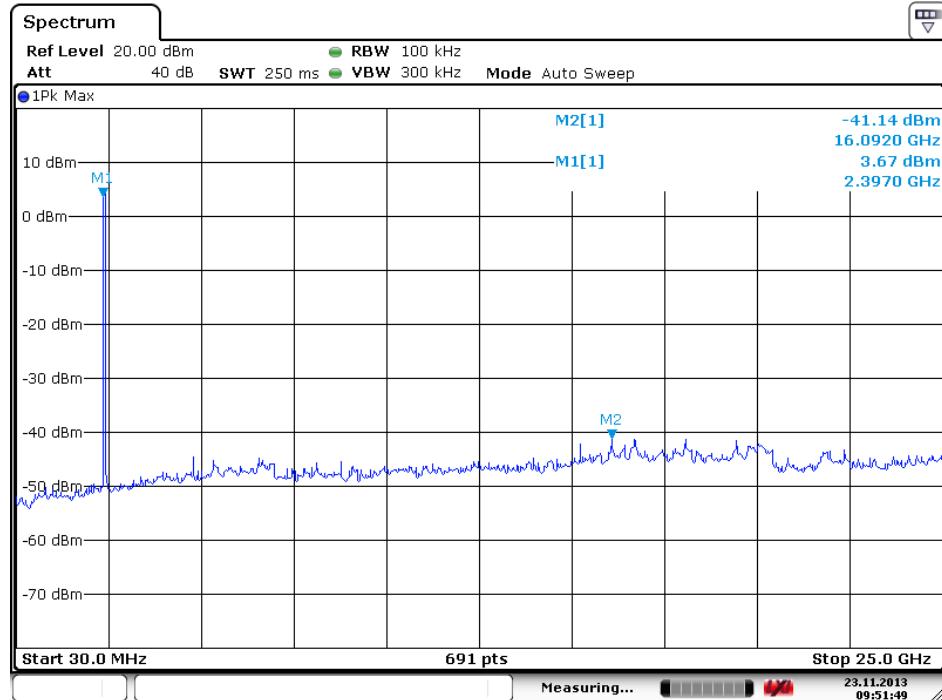
TX 802.11g Channel Middle 2437MHz



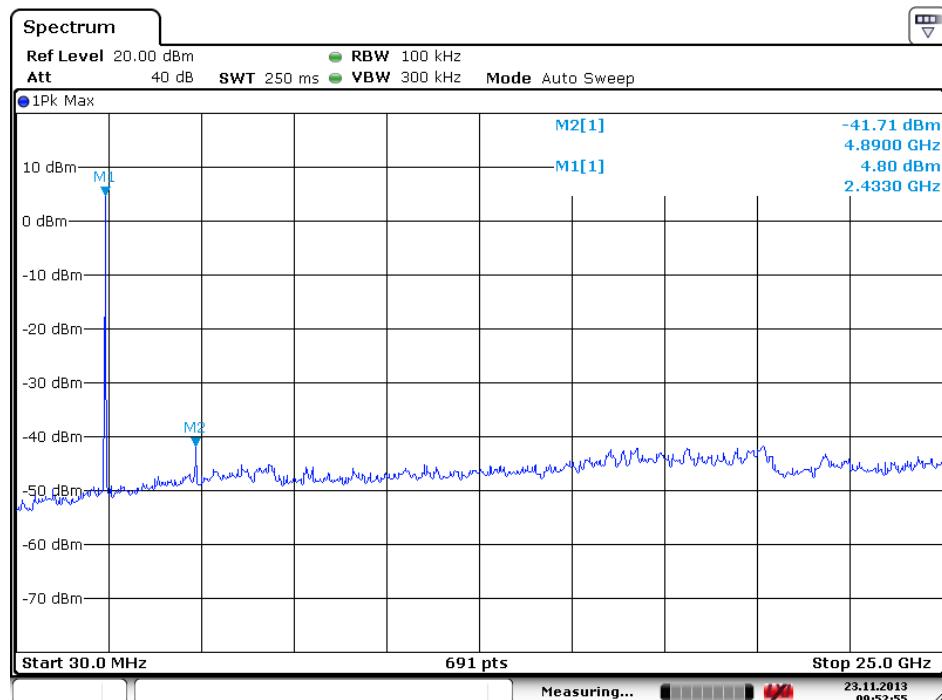
TX 802.11g Channel High 2462MHz



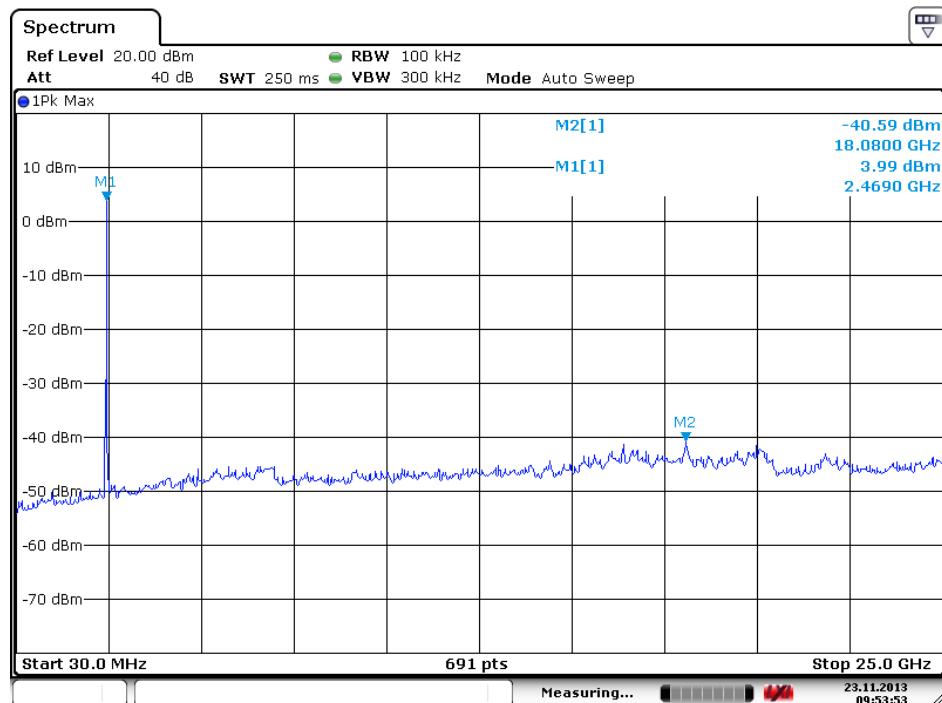
TX 802.11n Channel Low 2412MHz (20MHz)



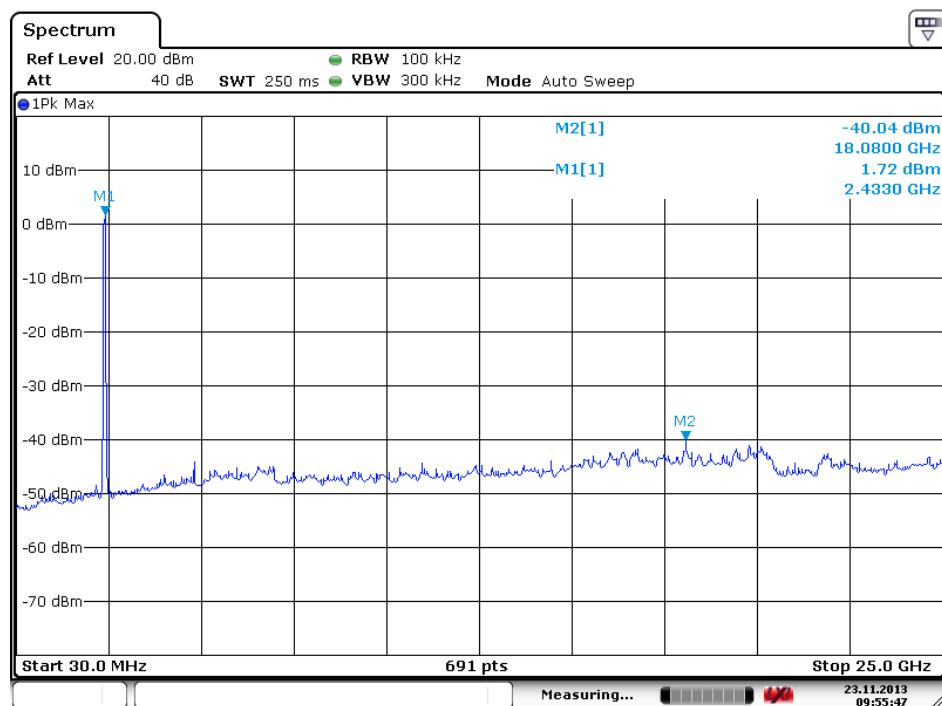
TX 802.11n Channel Middle 2437MHz (20MHz)



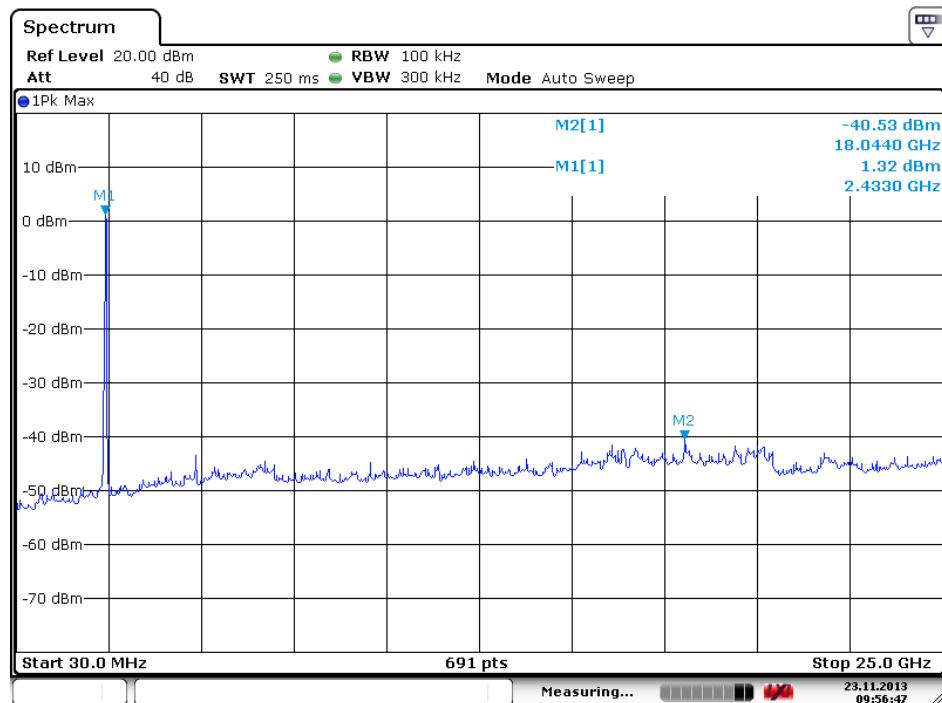
TX 802.11n Channel High 2462MHz (20MHz)



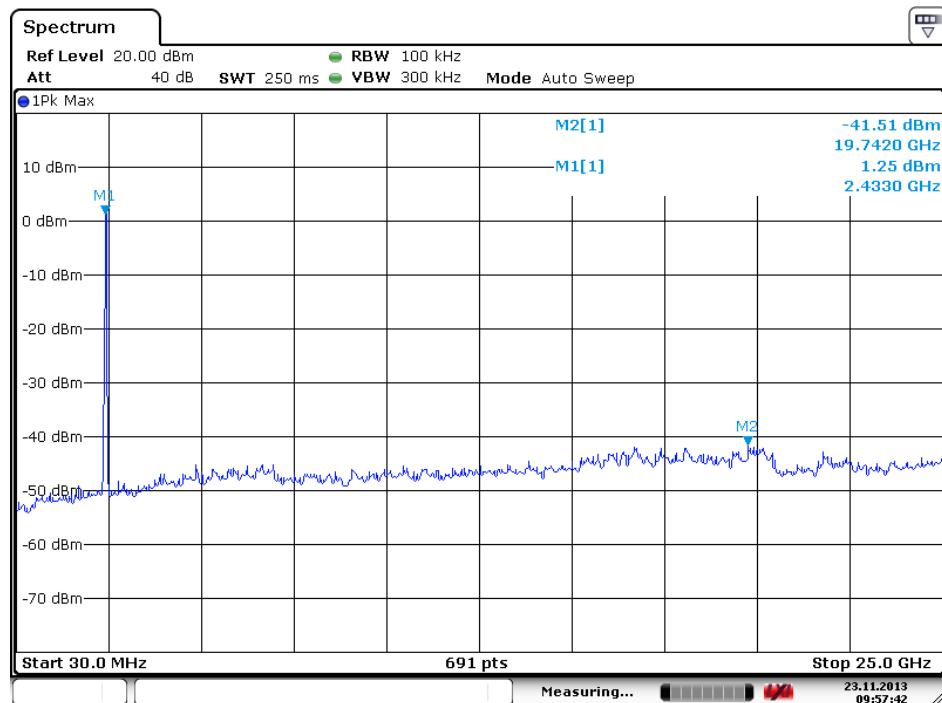
TX 802.11n Channel Low 2422MHz (40MHz)



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.

