


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.: STAR #311

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/03/25/

Temp.(C)/Hum.(%) 26 C / 55 %

Time: 9/36/19

EUT: HDMI WI-FI Smart TV Stick

Engineer Signature: STAR

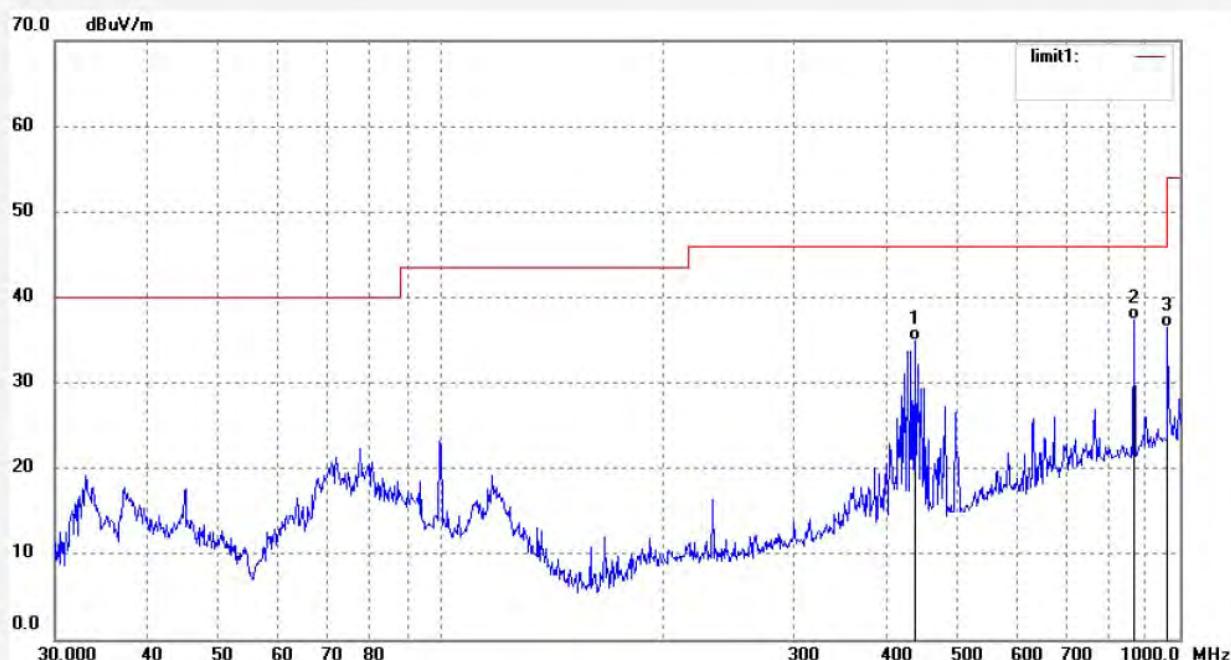
Mode: TX Channel 6 (802.11n)

Distance: 3m

Model: ST-W

Manufacturer: NEWMI

Note: Report No.:ATE20130457



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	437.1198	49.10	-14.10	35.00	46.00	-11.00	QP			
2	866.0878	44.10	-6.69	37.41	46.00	-8.59	QP			
3	962.1622	41.77	-5.23	36.54	54.00	-17.46	QP			


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

Job No.: STAR #4075

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2013-4-11

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

Time: 16:13:50

EUT: HDMI WI-FI Smart TV Stick

Engineer Signature:

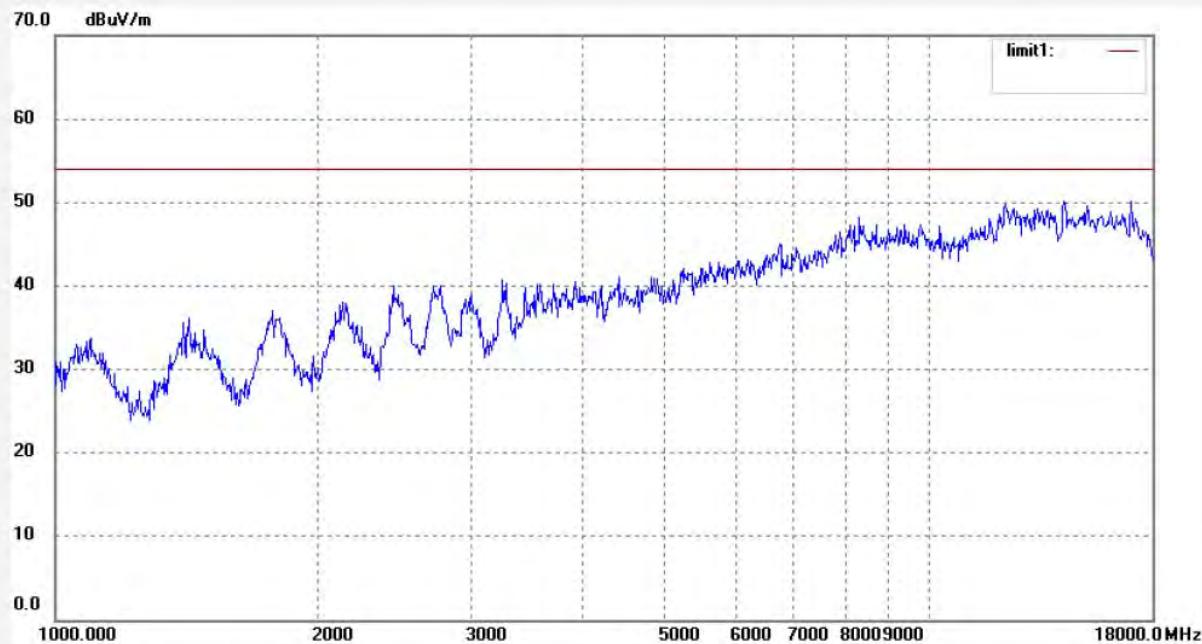
Mode: TX Channel 6 (802.11n)

Distance: 3m

Model: ST-W

Manufacturer: NEWMI

Note: Report No.:ATE20130457



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

Job No.: STAR #4074

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2013-4-11

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

Time: 16:08:31

EUT: HDMI WI-FI Smart TV Stick

Engineer Signature:

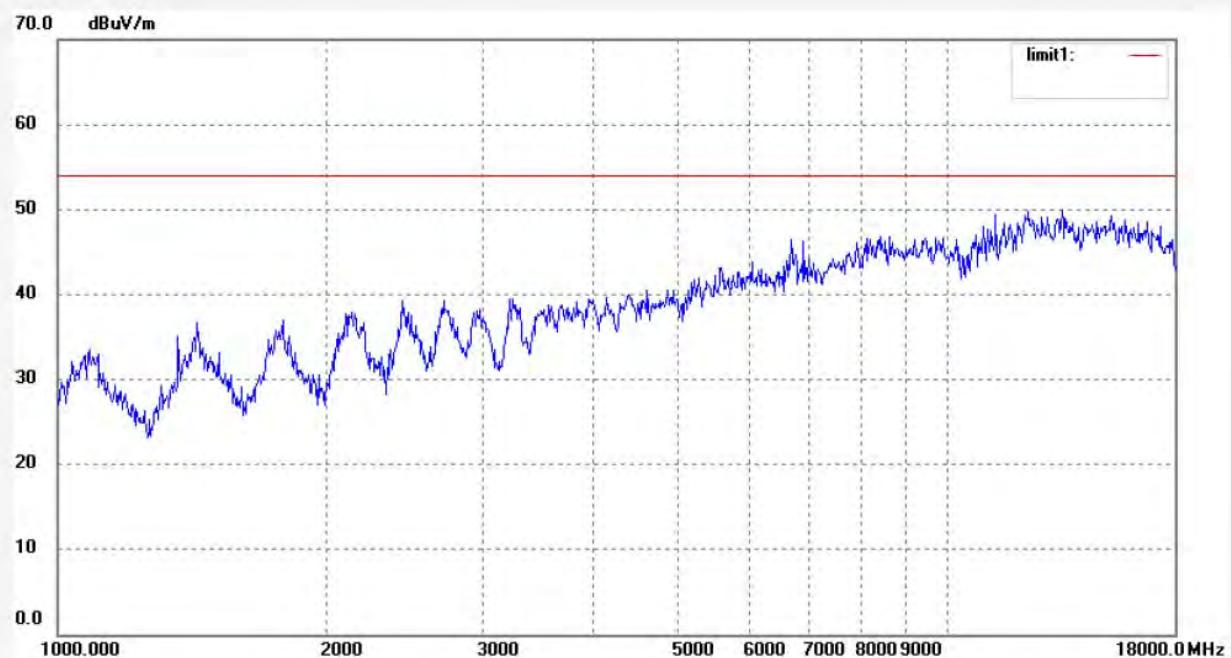
Mode: TX Channel 6 (802.11n)

Distance: 3m

Model: ST-W

Manufacturer: NEWMI

Note: Report No.:ATE20130457



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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Job No.: star #360

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/03/25/

Temp.(C)/Hum.(%) 26 C / 55 %

Time: 11/22/00

EUT: HDMI WI-FI Smart TV Stick

Engineer Signature: STAR

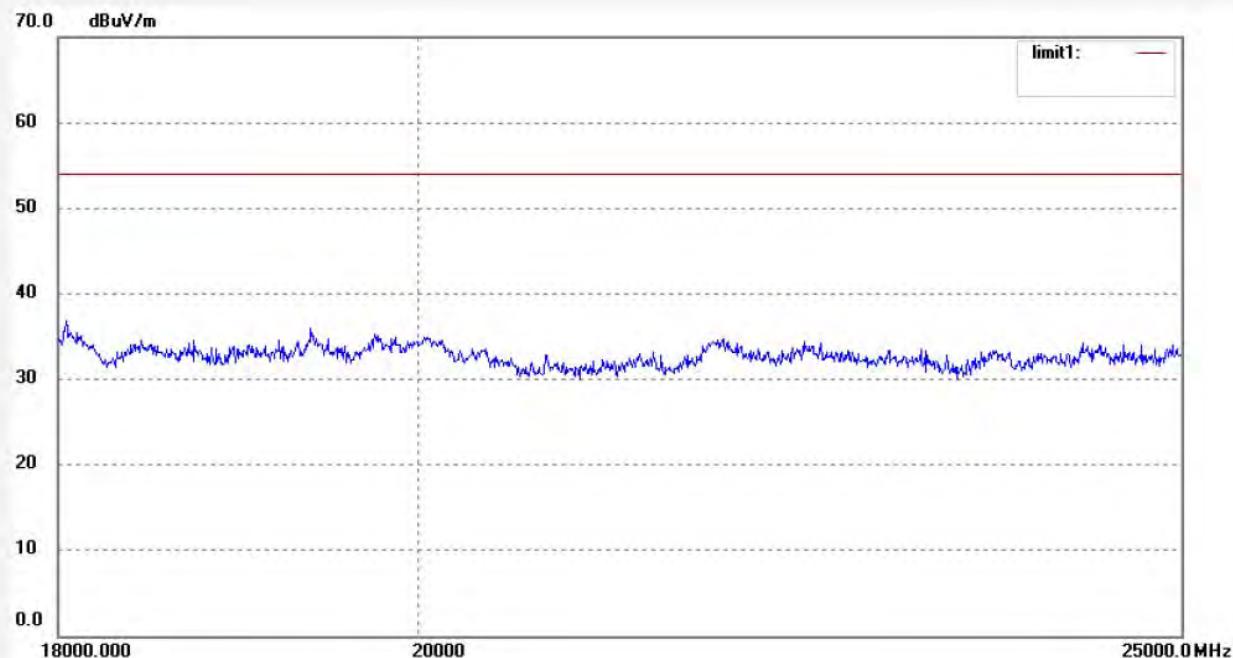
Mode: TX Channel 6 (802.11n)

Distance: 3m

Model: ST-W

Manufacturer: NEWMI

Note: Report No.:ATE20130457



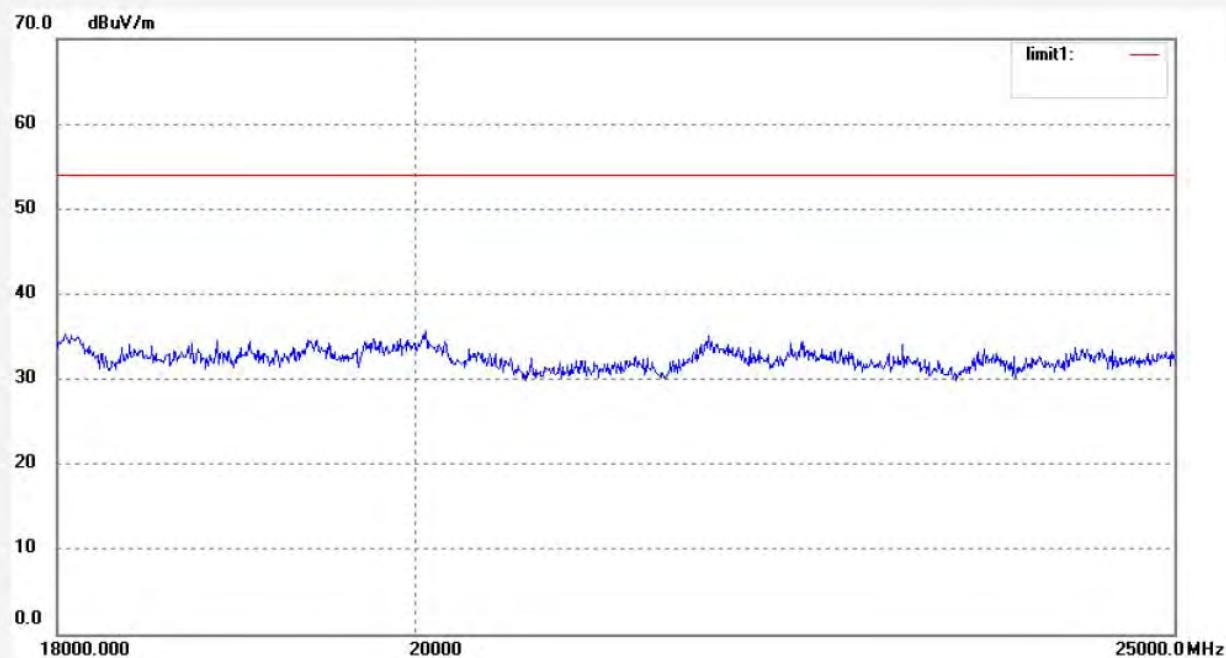
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.:	star #359	Polarization:	Vertical
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	13/03/25/
Temp.(C)/Hum.(%)	26 C / 55 %	Time:	11/18/31
EUT:	HDMI WI-FI Smart TV Stick	Engineer Signature:	STAR
Mode:	TX Channel 6 (802.11n)	Distance:	3m
Model:	ST-W		
Manufacturer:	NEWMI		
Note:	Report No.:ATE20130457		



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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Job No.: STAR #313	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/03/25/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 9/43/51
EUT: HDMI WI-FI Smart TV Stick	Engineer Signature: STAR
Mode: TX Channel 11 (802.11n)	Distance: 3m
Model: ST-W	
Manufacturer: NEWMI	
Note: Report No.:ATE20130457	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	370.7022	43.85	-15.85	28.00	46.00	-18.00	QP			
2	866.0878	45.27	-6.69	38.58	46.00	-7.42	QP			
3	962.1622	41.02	-5.23	35.79	54.00	-18.21	QP			


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 Site: 1# Chamber
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Job No.: STAR #314

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/03/25/

Temp. (C)/Hum.(%) 26 C / 55 %

Time: 9/45/43

EUT: HDMI WI-FI Smart TV Stick

Engineer Signature: STAR

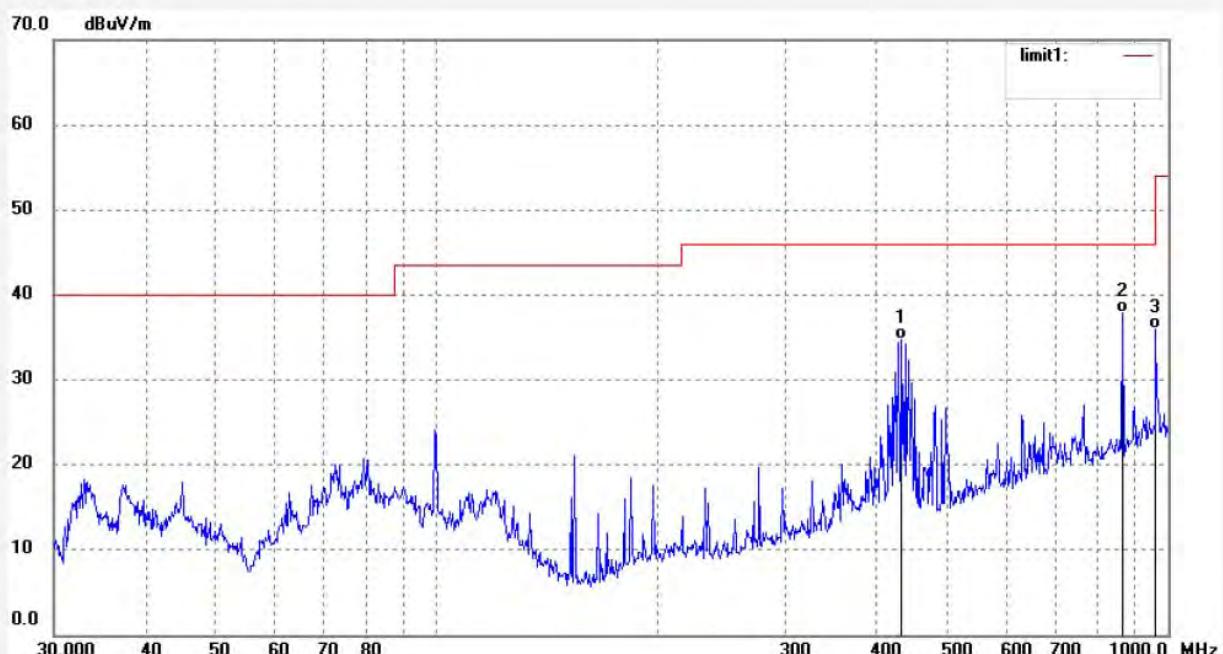
Mode: TX Channel 11 (802.11n)

Distance: 3m

Model: ST-W

Manufacturer: NEWMI

Note: Report No.:ATE20130457



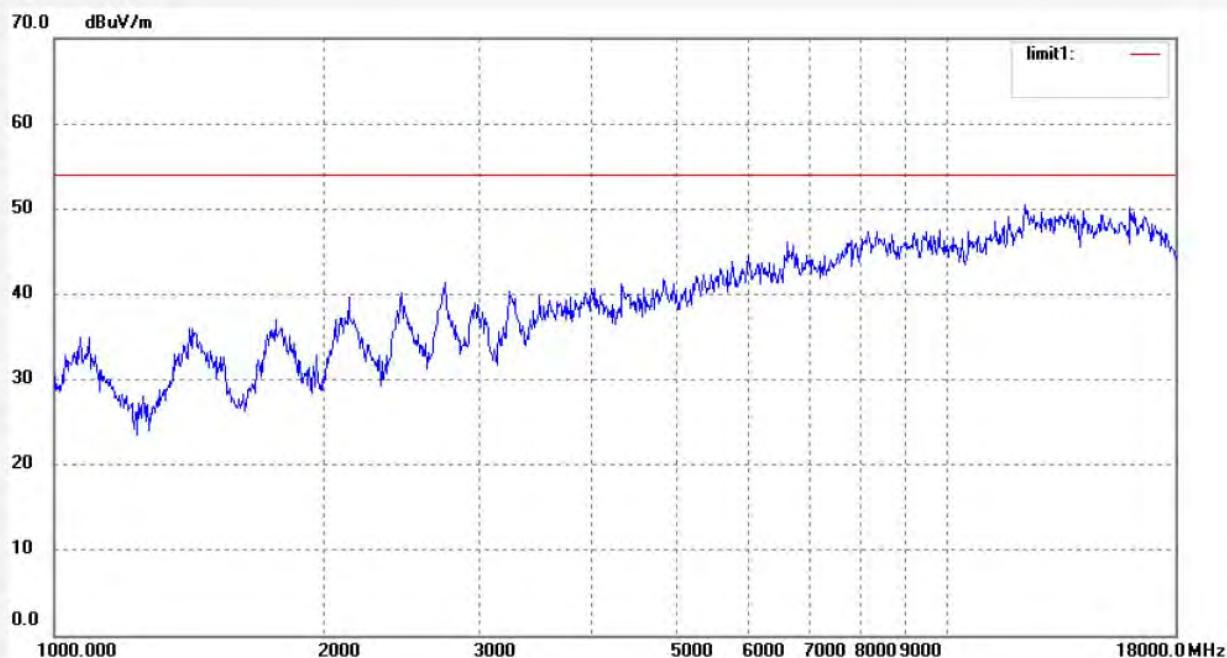
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	432.5457	48.86	-14.15	34.71	46.00	-11.29	QP			
2	866.0879	44.66	-6.69	37.97	46.00	-8.03	QP			
3	962.1623	41.11	-5.23	35.88	54.00	-18.12	QP			


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

Job No.: STAR #4076	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013-4-11
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 16:16:09
EUT: HDMI WI-FI Smart TV Stick	Engineer Signature:
Mode: TX Channel 11 (802.11n)	Distance: 3m
Model: ST-W	
Manufacturer: NEWMI	
Note: Report No.:ATE20130457	



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: 2# Chamber
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Job No.: STAR #4077

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2013-4-11

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

Time: 16:20:32

EUT: HDMI WI-FI Smart TV Stick

Engineer Signature:

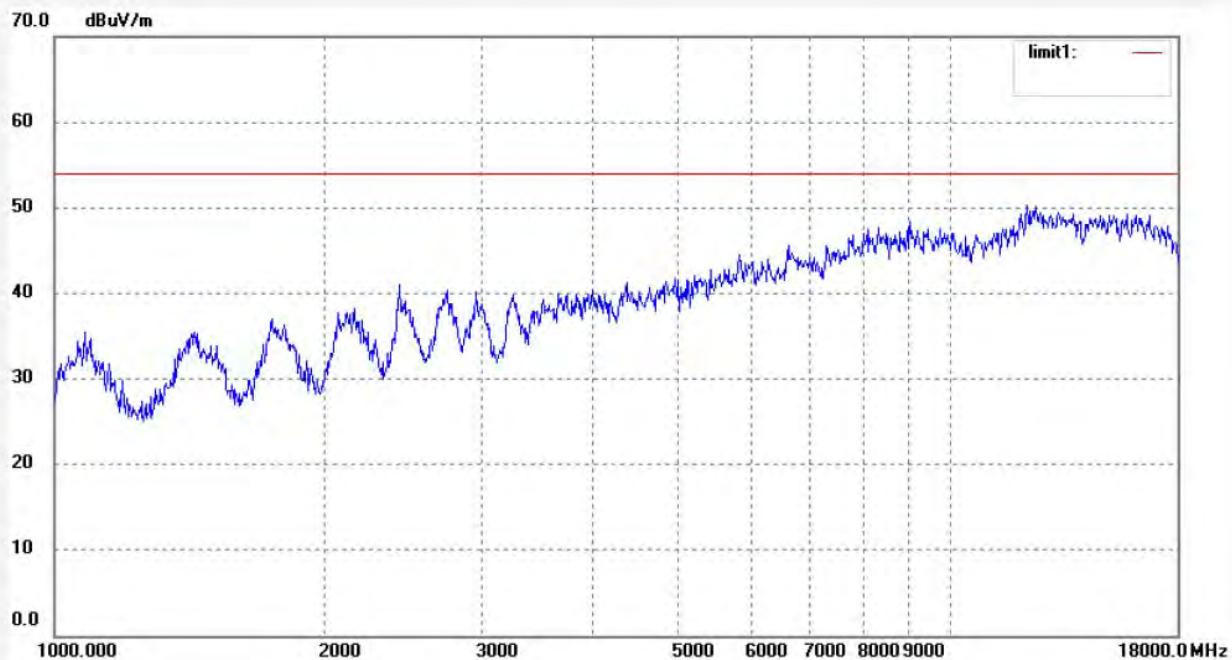
Mode: TX Channel 11 (802.11n)

Distance: 3m

Model: ST-W

Manufacturer: NEWMI

Note: Report No.:ATE20130457



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 #361

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/03/25/

Temp.(C)/Hum.(%) 26 C / 55 %

Time: 11/25/38

EUT: HDMI WI-FI Smart TV Stick

Engineer Signature: STAR

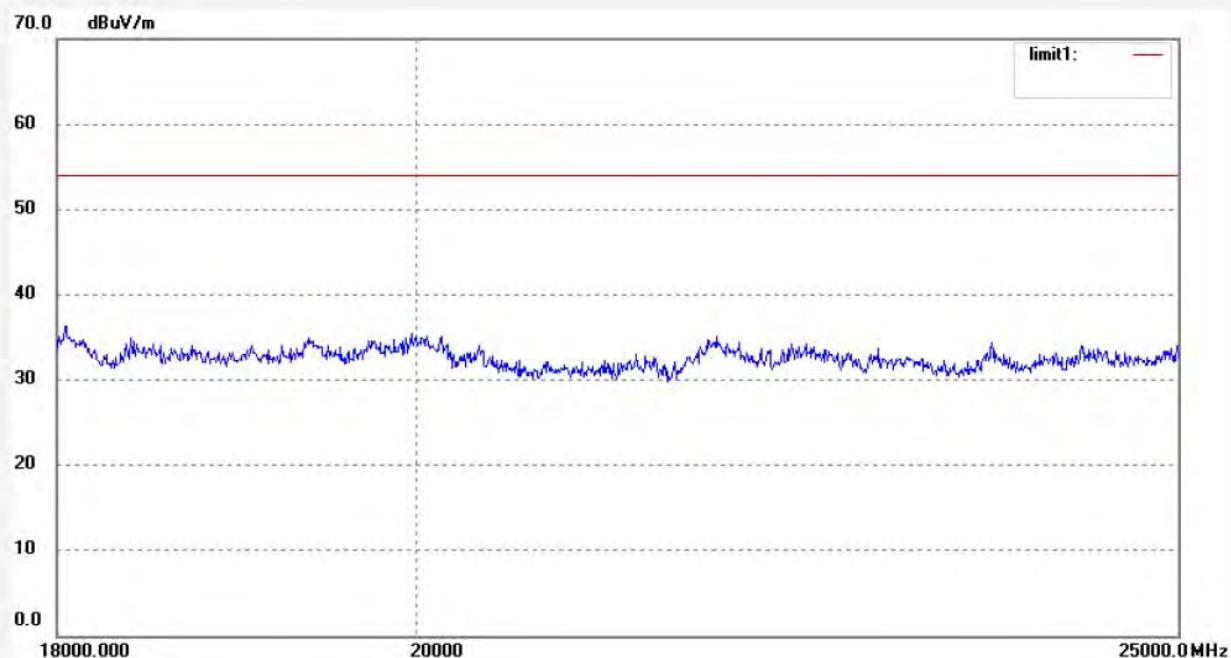
Mode: TX Channel 11 (802.11n)

Distance: 3m

Model: ST-W

Manufacturer: NEWMI

Note: Report No.:ATE20130457



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 #362	Polarization:	Vertical							
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz							
Test item:	Radiation Test	Date:	13/03/25/							
Temp. (C)/Hum.(%)	26 C / 55 %	Time:	11/28/05							
EUT:	HDMI WI-FI Smart TV Stick	Engineer Signature:	STAR							
Mode:	TX Channel 11 (802.11n)	Distance:	3m							
Model:	ST-W									
Manufacturer:	NEWMI									
Note:	Report No.:ATE20130457									
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

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Job No.: STAR #316

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/03/25

Temp.(C)/Hum.(%) 26 C / 55 %

Time: 9/52/25

EUT: HDMI WI-FI Smart TV Stick

Engineer Signature: STAR

Mode: TX Channel 3 (802.11n)

Distance: 3m

Model: ST-W

Manufacturer: NEWMI

Note: Report No.:ATE20130457



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	364.2595	43.58	-15.88	27.70	46.00	-18.30	QP			
2	866.0879	44.94	-6.69	38.25	46.00	-7.75	QP			
3	962.1623	40.97	-5.23	35.74	54.00	-18.26	QP			


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 Site: 1# Chamber
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Job No.: STAR #315

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/03/25/

Temp. (C)/Hum.(%) 26 C / 55 %

Time: 9/49/41

EUT: HDMI WI-FI Smart TV Stick

Engineer Signature: STAR

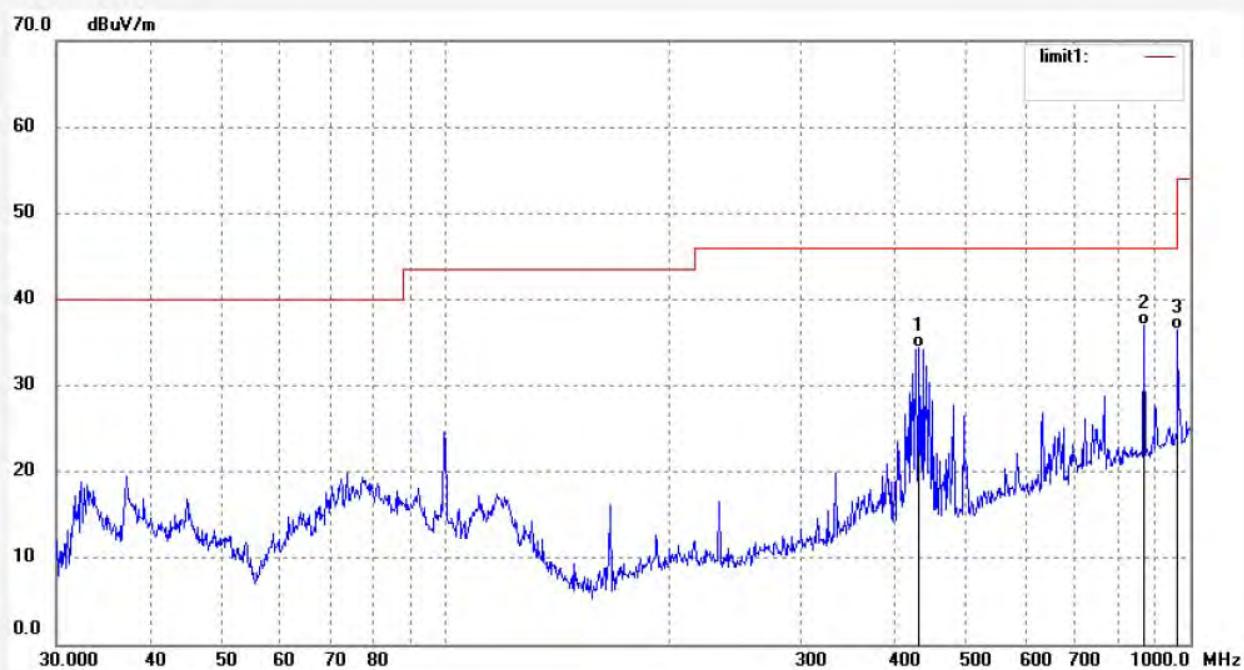
Mode: TX Channel 3 (802.11n)

Distance: 3m

Model: ST-W

Manufacturer: NEWMI

Note: Report No.:ATE20130457



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	432.5457	48.47	-14.15	34.32	46.00	-11.68	QP			
2	866.0878	43.68	-6.69	36.99	46.00	-9.01	QP			
3	962.1622	41.77	-5.23	36.54	54.00	-17.46	QP			


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 Site: 2# Chamber
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Job No.: STAR #4079

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2013-4-11

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

Time: 16:27:25

EUT: HDMI WI-FI Smart TV Stick

Engineer Signature:

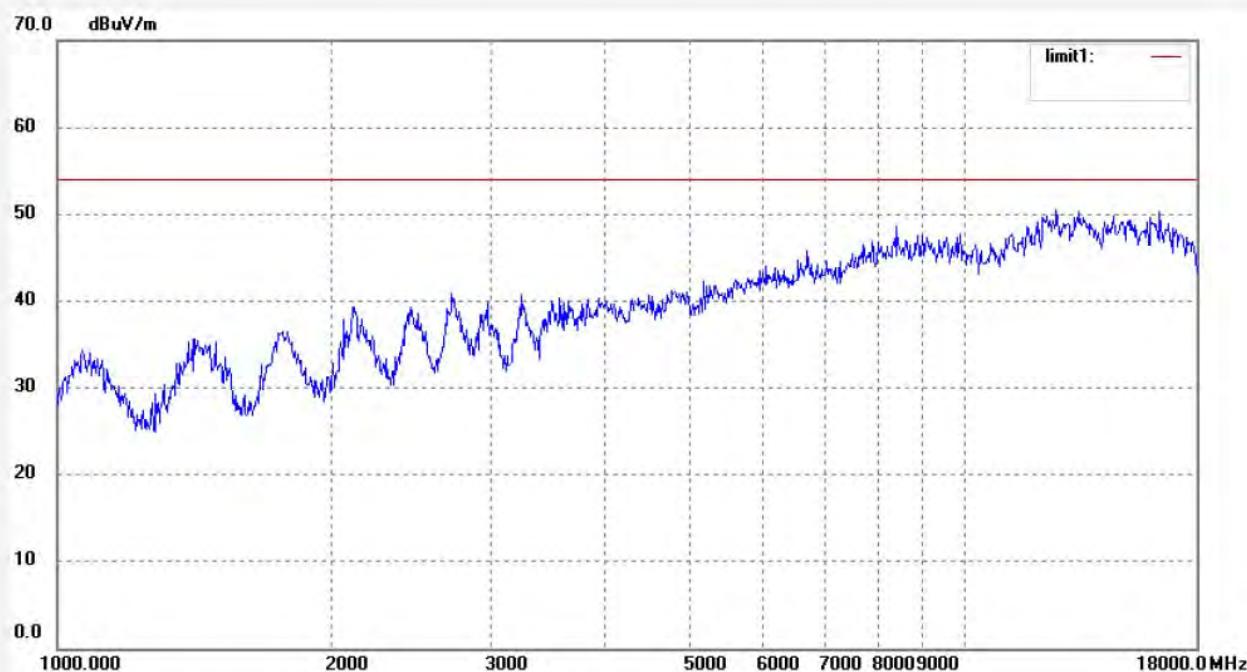
Mode: TX Channel 3 (802.11n)

Distance: 3m

Model: ST-W

Manufacturer: NEWMI

Note: Report No.:ATE20130457



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: 2# Chamber
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Job No.: STAR #4078

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2013-4-11

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

Time: 16:23:00

EUT: HDMI WI-FI Smart TV Stick

Engineer Signature:

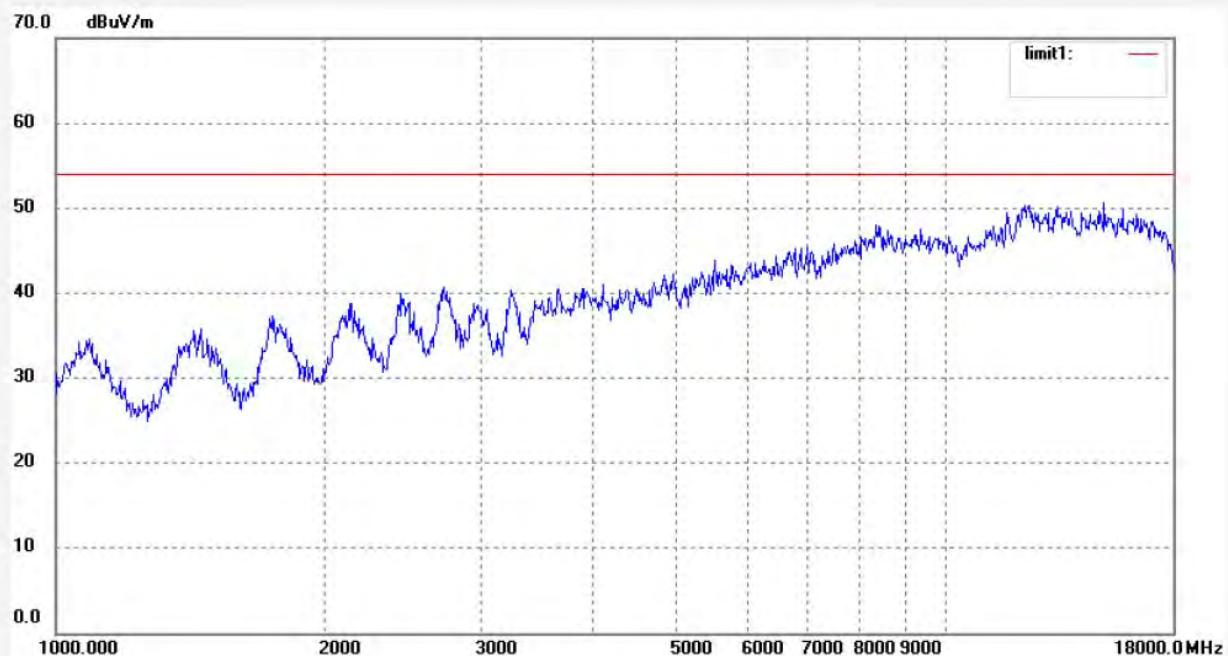
Mode: TX Channel 3 (802.11n)

Distance: 3m

Model: ST-W

Manufacturer: NEWMI

Note: Report No.:ATE20130457



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
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Job No.: star #364

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/03/25/

Temp. (C)/Hum.(%) 26 C / 55 %

Time: 11/34/29

EUT: HDMI WI-FI Smart TV Stick

Engineer Signature: STAR

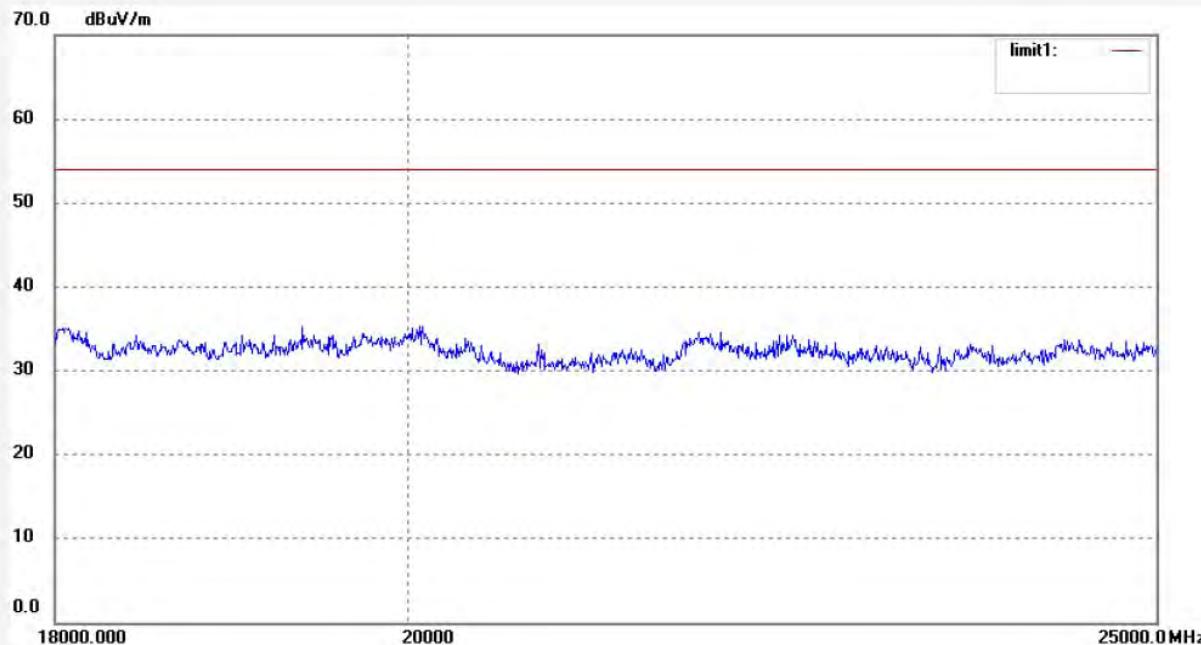
Mode: TX Channel 3 (802.11n)

Distance: 3m

Model: ST-W

Manufacturer: NEWMI

Note: Report No.:ATE20130457



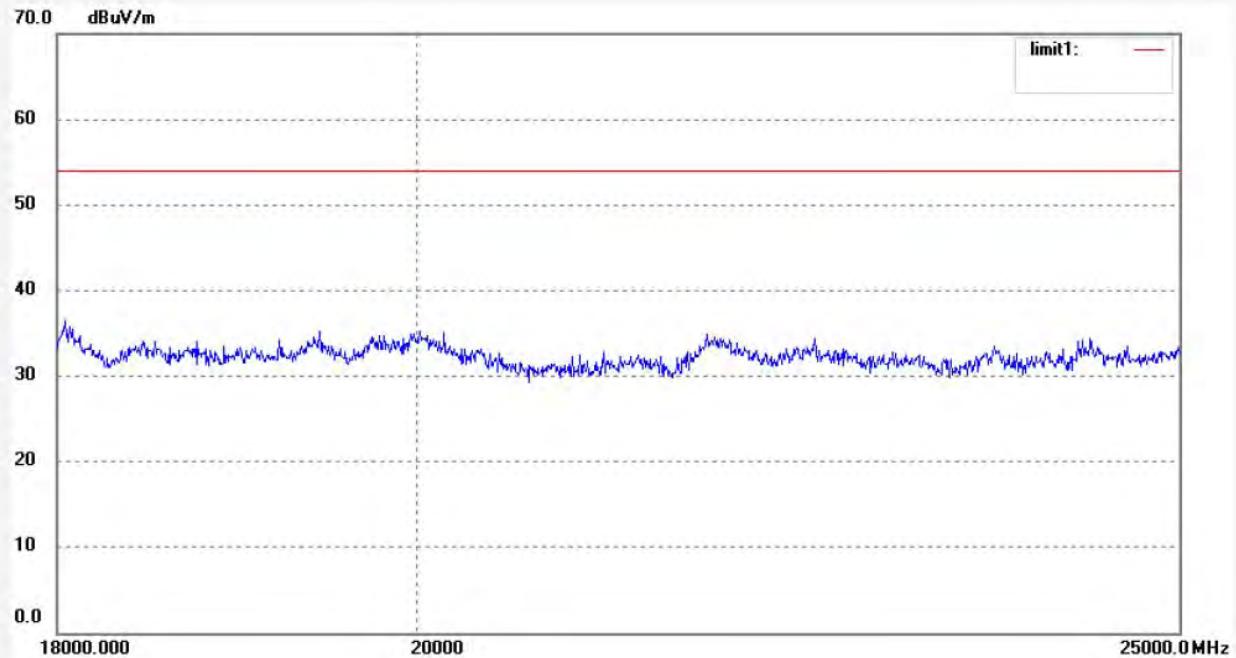
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.: star #363	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/03/25/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 11/31/15
EUT: HDMI WI-FI Smart TV Stick	Engineer Signature: STAR
Mode: TX Channel 3 (802.11n)	Distance: 3m
Model: ST-W	
Manufacturer: NEWMI	
Note: Report No.:ATE20130457	



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 #317	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	13/03/25/
Temp.(C)/Hum.(%)	26 C / 55 %	Time:	9/55/19
EUT:	HDMI WI-FI Smart TV Stick	Engineer Signature:	STAR
Mode:	TX Channel 6 (802.11n)	Distance:	3m
Model:	ST-W		
Manufacturer:	NEWMI		
Note:	Report No.:ATE20130457		



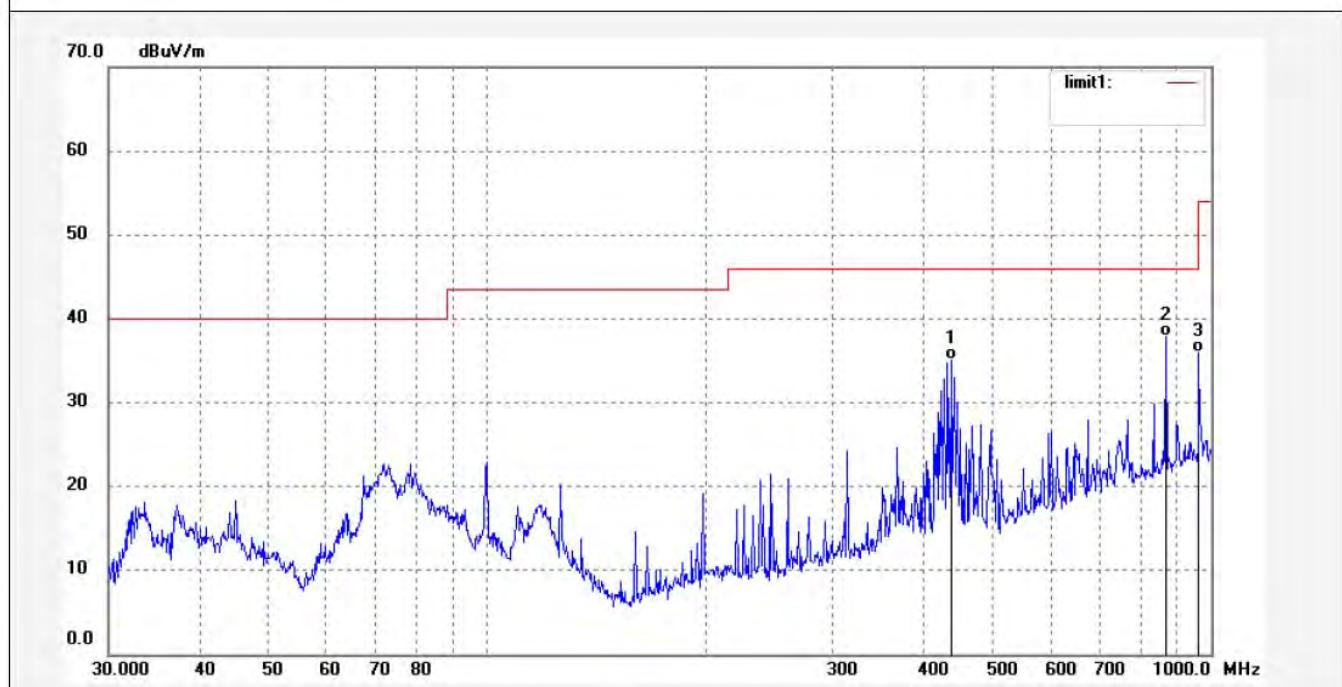
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	368.1116	46.85	-15.86	30.99	46.00	-15.01	QP			
2	866.0878	44.89	-6.69	38.20	46.00	-7.80	QP			
3	962.1622	40.38	-5.23	35.15	54.00	-18.85	QP			


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 Fax:+86-0755-26503396

Job No.:	STAR #318	Polarization:	Vertical
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	13/03/25/
Temp. (C)/Hum.(%)	26 C / 55 %	Time:	9/58/15
EUT:	HDMI WI-FI Smart TV Stick	Engineer Signature:	STAR
Mode:	TX Channel 6 (802.11n)	Distance:	3m
Model:	ST-W		
Manufacturer:	NEWMI		
Note:	Report No.:ATE20130457		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	437.1198	49.20	-14.10	35.10	46.00	-10.90	QP			
2	866.0878	44.60	-6.69	37.91	46.00	-8.09	QP			
3	962.1622	41.24	-5.23	36.01	54.00	-17.99	QP			


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

Job No.: STAR #4080

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2013-4-11

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

Time: 16:30:42

EUT: HDMI WI-FI Smart TV Stick

Engineer Signature:

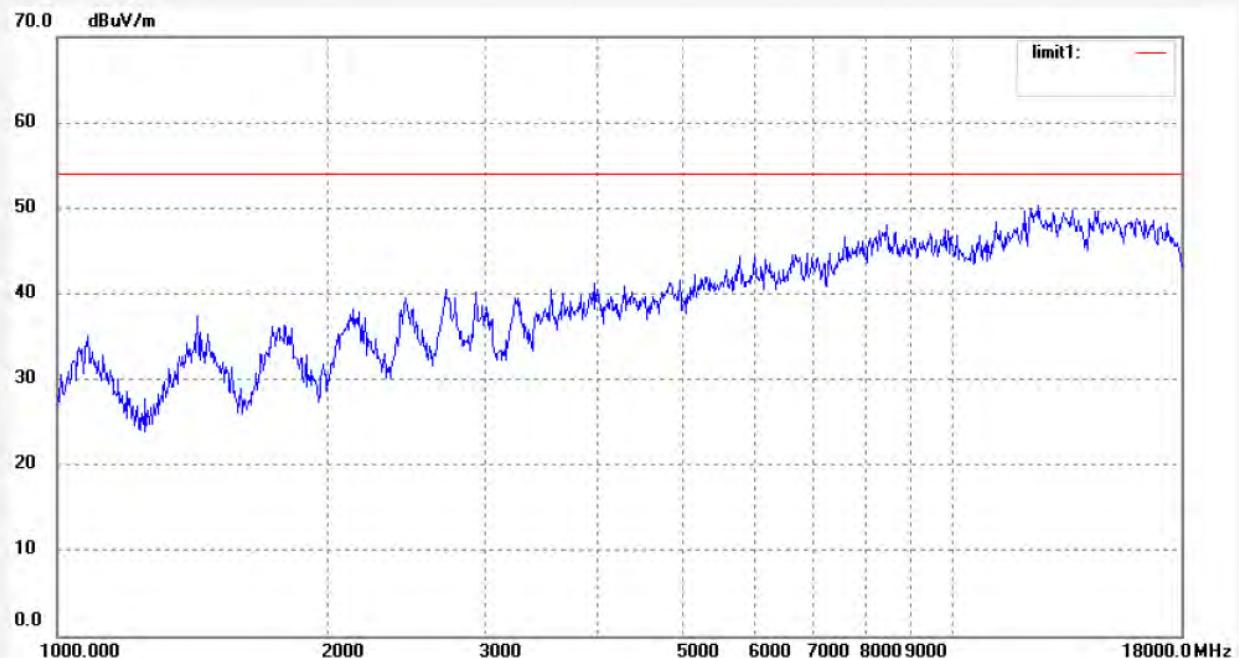
Mode: TX Channel 6 (802.11n)

Distance: 3m

Model: ST-W

Manufacturer: NEWMI

Note: Report No.:ATE20130457



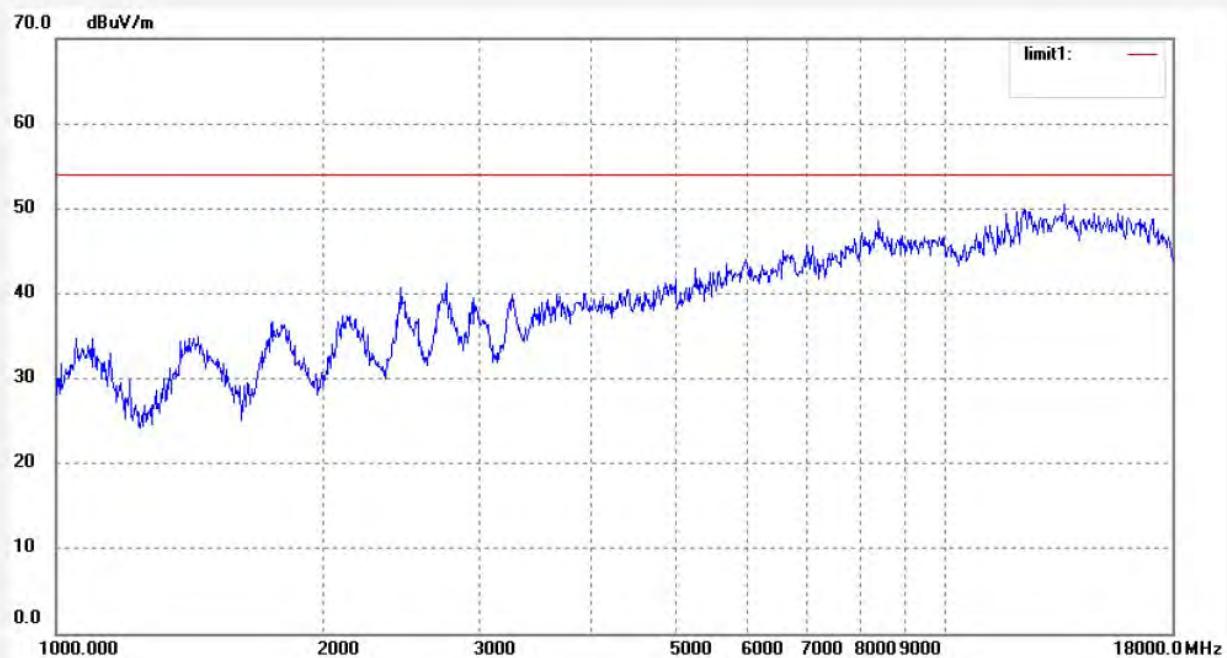
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.:	STAR #4081	Polarization:	Vertical
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2013-4-11
Temp.(C)/Hum.(%)	25 C / 55 %	Time:	16:33:02
EUT:	HDMI WI-FI Smart TV Stick	Engineer Signature:	
Mode:	TX Channel 6 (802.11n)	Distance:	3m
Model:	ST-W		
Manufacturer:	NEWMI		
Note:	Report No.:ATE20130457		



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 #365

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/03/25/

Temp.(C)/Hum.(%) 26 C / 55 %

Time: 11/37/40

EUT: HDMI WI-FI Smart TV Stick

Engineer Signature: STAR

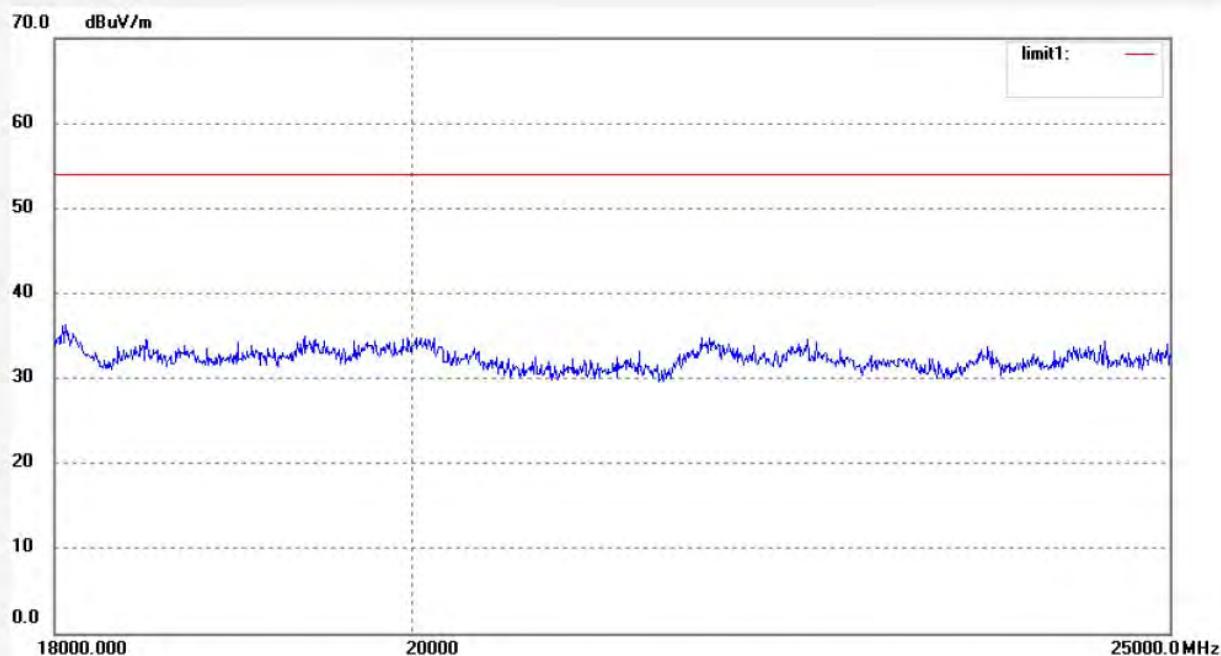
Mode: TX Channel 6 (802.11n)

Distance: 3m

Model: ST-W

Manufacturer: NEWMI

Note: Report No.:ATE20130457



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 #366

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/03/25/

Temp.(C)/Hum.(%) 26 C / 55 %

Time: 11/40/53

EUT: HDMI WI-FI Smart TV Stick

Engineer Signature: STAR

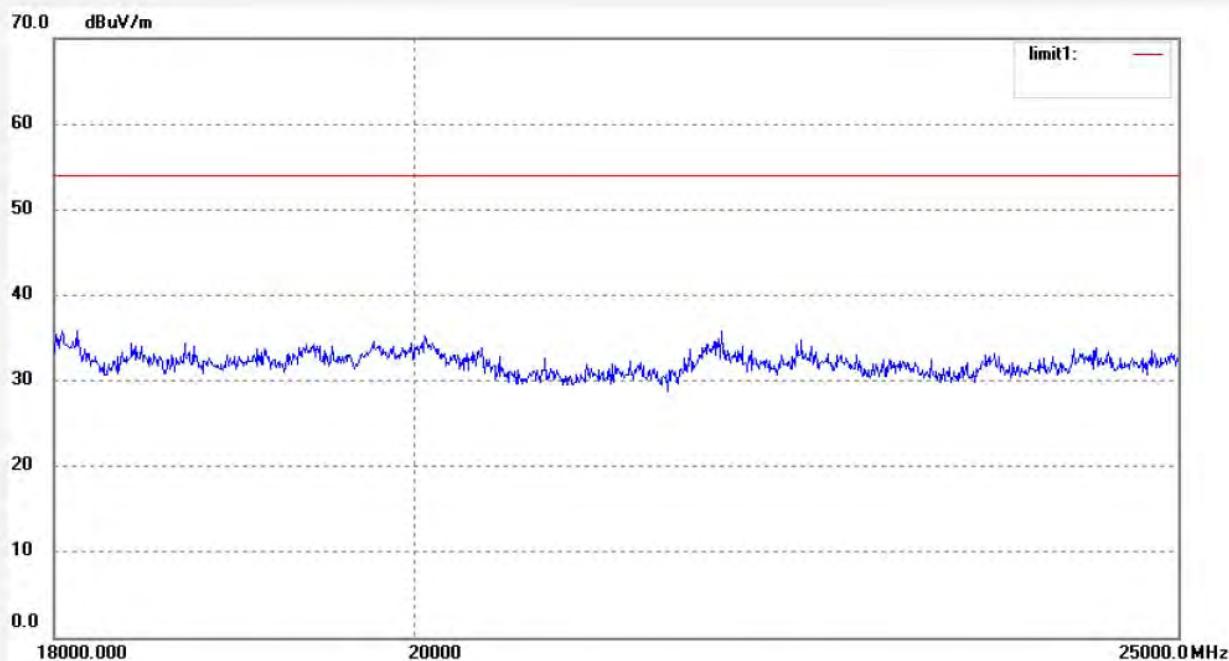
Mode: TX Channel 6 (802.11n)

Distance: 3m

Model: ST-W

Manufacturer: NEWMI

Note: Report No.:ATE20130457



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 #320

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/03/25/

Temp.(C)/Hum.(%) 26 C / 55 %

Time: 10/06/52

EUT: HDMI WI-FI Smart TV Stick

Engineer Signature: STAR

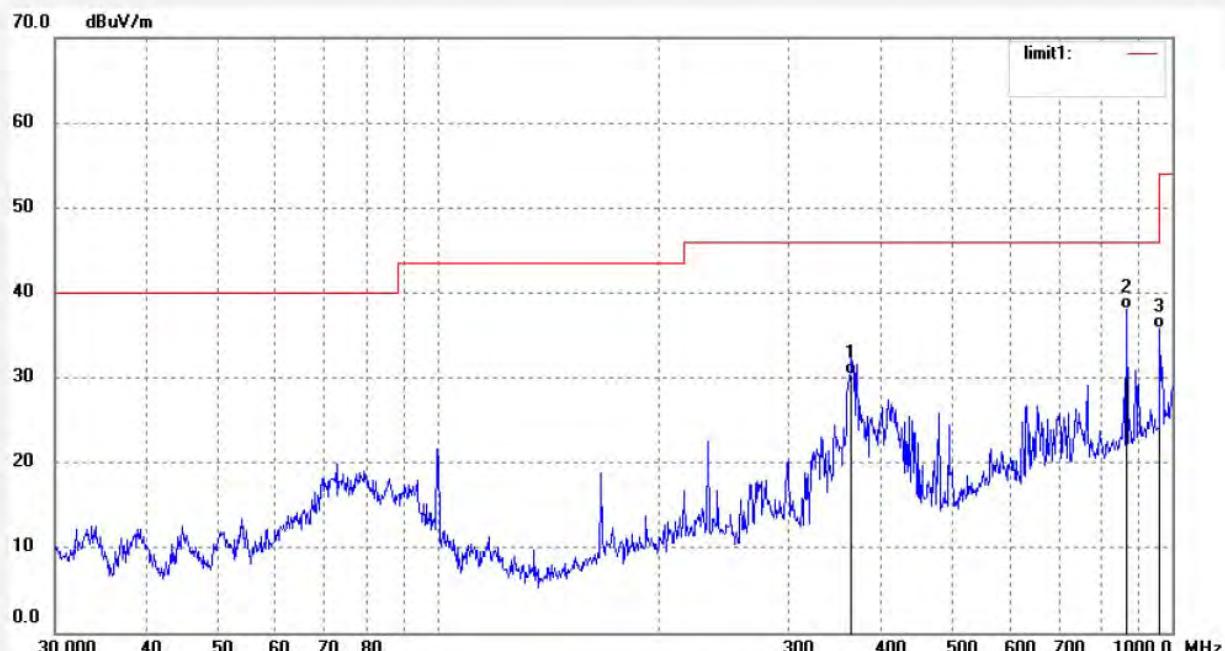
Mode: TX Channel 9 (802.11n)

Distance: 3m

Model: ST-W

Manufacturer: NEWMI

Note: Report No.:ATE20130457



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	365.5391	46.17	-15.88	30.29	46.00	-15.71	QP			
2	866.0879	44.79	-6.69	38.10	46.00	-7.90	QP			
3	962.1623	40.95	-5.23	35.72	54.00	-18.28	QP			


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Job No.: STAR #319

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/03/25/

Temp.(C)/Hum.(%) 26 C / 55 %

Time: 10/03/01

EUT: HDMI WI-FI Smart TV Stick

Engineer Signature: STAR

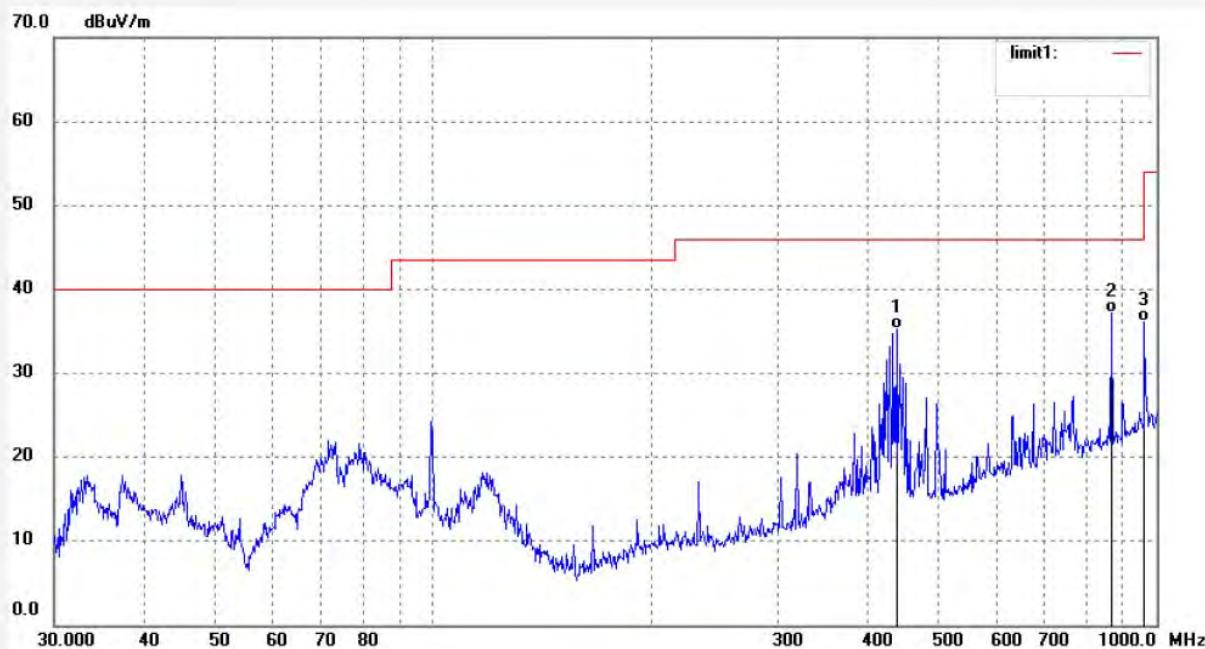
Mode: TX Channel 9 (802.11n)

Distance: 3m

Model: ST-W

Manufacturer: NEWMI

Note: Report No.:ATE20130457



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	437.1198	49.39	-14.10	35.29	46.00	-10.71	QP			
2	866.0878	43.95	-6.69	37.26	46.00	-8.74	QP			
3	962.1622	41.30	-5.23	36.07	54.00	-17.93	QP			

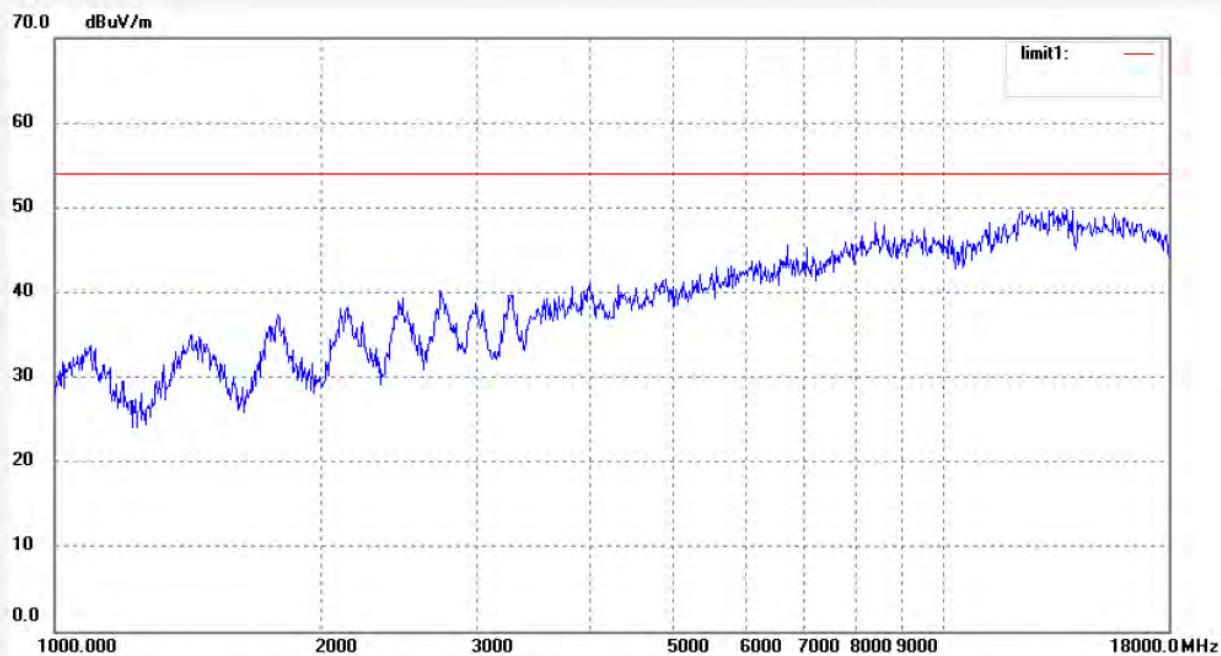

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 Site: 2# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: STAR #4083	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013-4-11
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 16:40:37
EUT: HDMI WI-FI Smart TV Stick	Engineer Signature:
Mode: TX Channel 9 (802.11n)	Distance: 3m
Model: ST-W	
Manufacturer: NEWMI	

Note: Report No.:ATE20130457



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.

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

Job No.: STAR #4082

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2013-4-11

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

Time: 16:36:19

EUT: HDMI WI-FI Smart TV Stick

Engineer Signature:

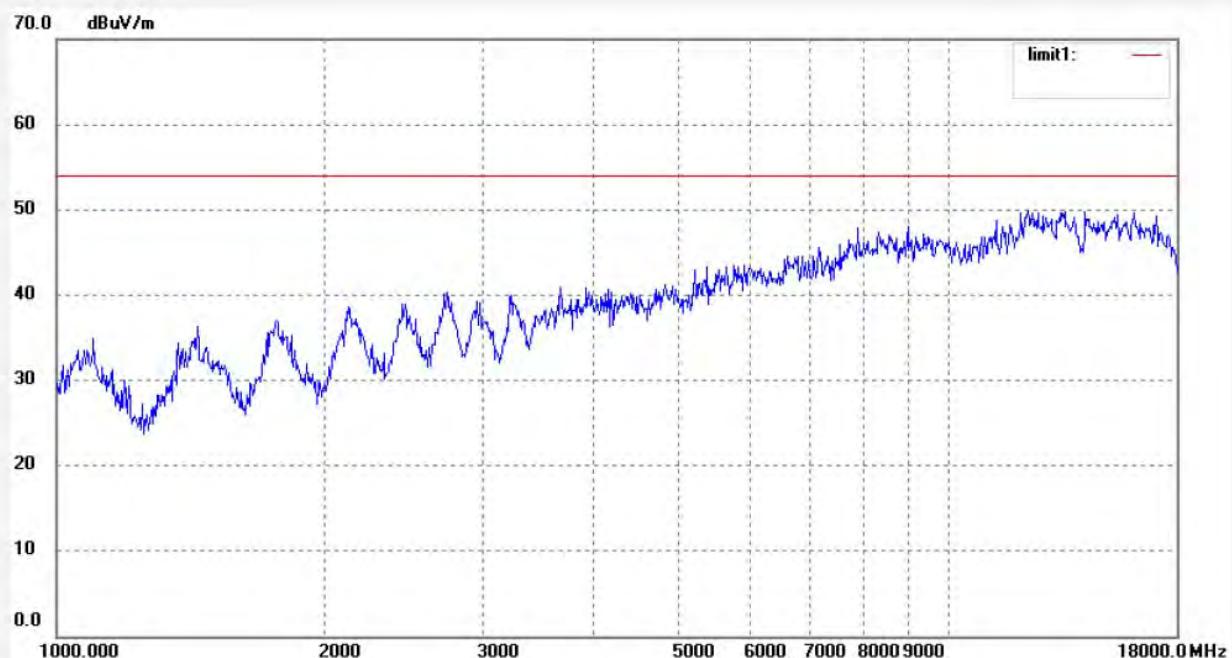
Mode: TX Channel 9 (802.11n)

Distance: 3m

Model: ST-W

Manufacturer: NEWMI

Note: Report No.:ATE20130457



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 #368	Polarization: Horizontal									
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz									
Test item: Radiation Test	Date: 13/03/25/									
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 11/48/15									
EUT: HDMI WI-FI Smart TV Stick	Engineer Signature: STAR									
Mode: TX Channel 9 (802.11n)	Distance: 3m									
Model: ST-W										
Manufacturer: NEWMI										
Note: Report No.:ATE20130457										
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

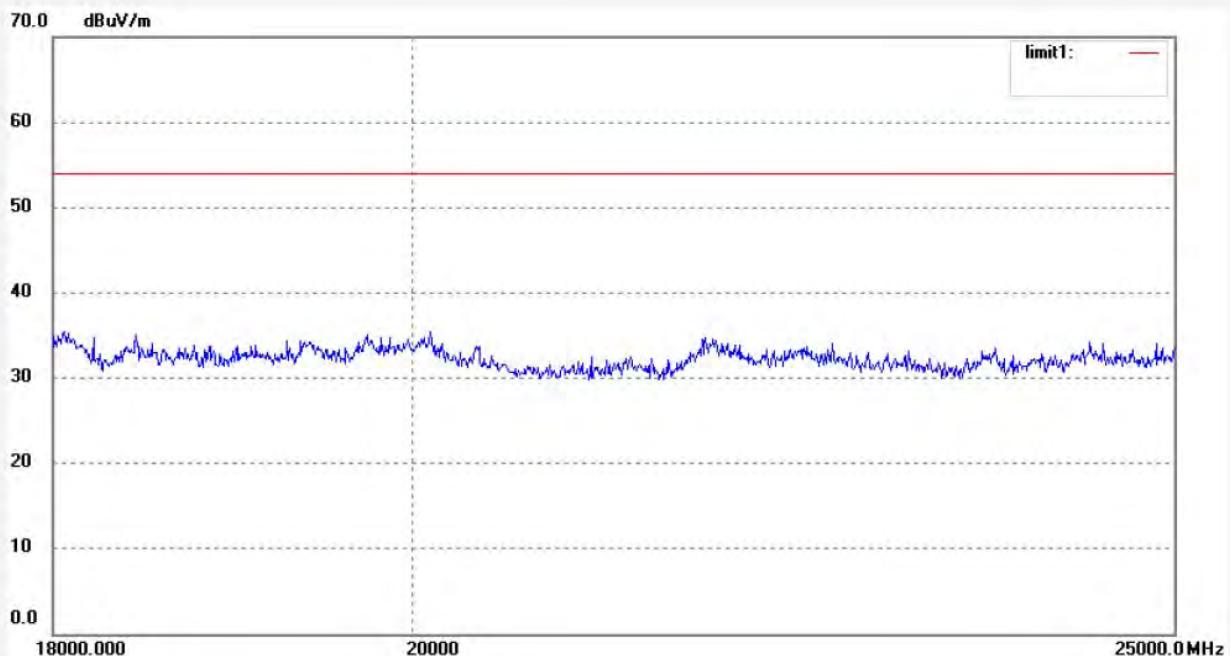

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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.: star #367	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/03/25
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 11/45/03
EUT: HDMI WI-FI Smart TV Stick	Engineer Signature: STAR
Mode: TX Channel 9 (802.11n)	Distance: 3m
Model: ST-W	
Manufacturer: NEWMI	

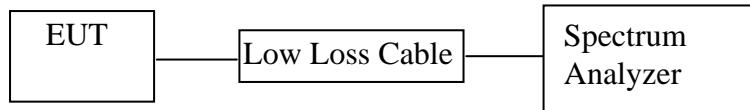
Note: Report No.:ATE20130457



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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10.CONDUCTED SPURIOUS EMISSION COMPLIANCE TEST

10.1.Block Diagram of Test Setup



(EUT: HDMI WI-FI Smart TV Stick)

10.2.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).

10.3.EUT Configuration on Measurement

The following 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.

10.3.1.HDMI WI-FI Smart TV Stick (EUT)

Model Number	:	ST-W
Serial Number	:	N/A
Manufacturer	:	NEWMI TECH.(HK)CO., LTD.

10.4.Operating Condition of EUT

10.4.1.Setup the EUT and simulator as shown as Section 10.1.

10.4.2.Turn on the power of all equipment.

10.4.3.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.

10.5.Test Procedure

10.5.1.The transmitter output was connected to the spectrum analyzer via a low loss cable.

10.5.2.Set RBW of spectrum analyzer to 100kHz and VBW to 300kHz (below 1GHz).

10.5.3.Set RBW of spectrum analyzer to 1MHz and VBW to 3MHz (above 1GHz).

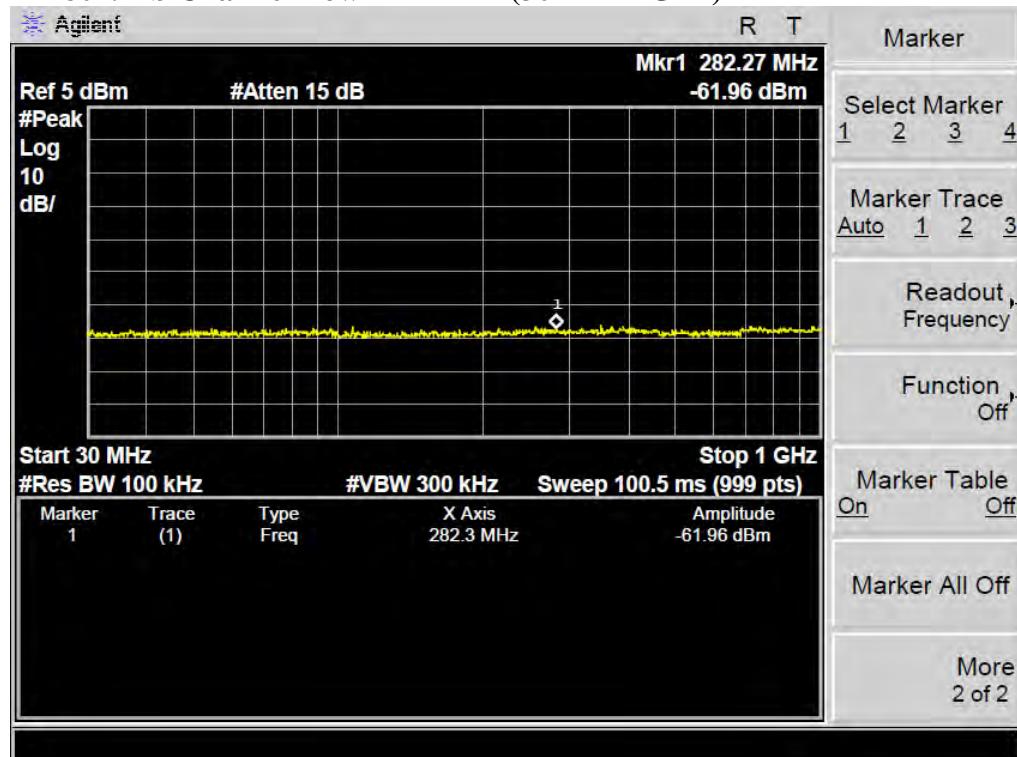
10.5.4.The Conducted Spurious Emission was measured and recorded.

10.6.Test Result

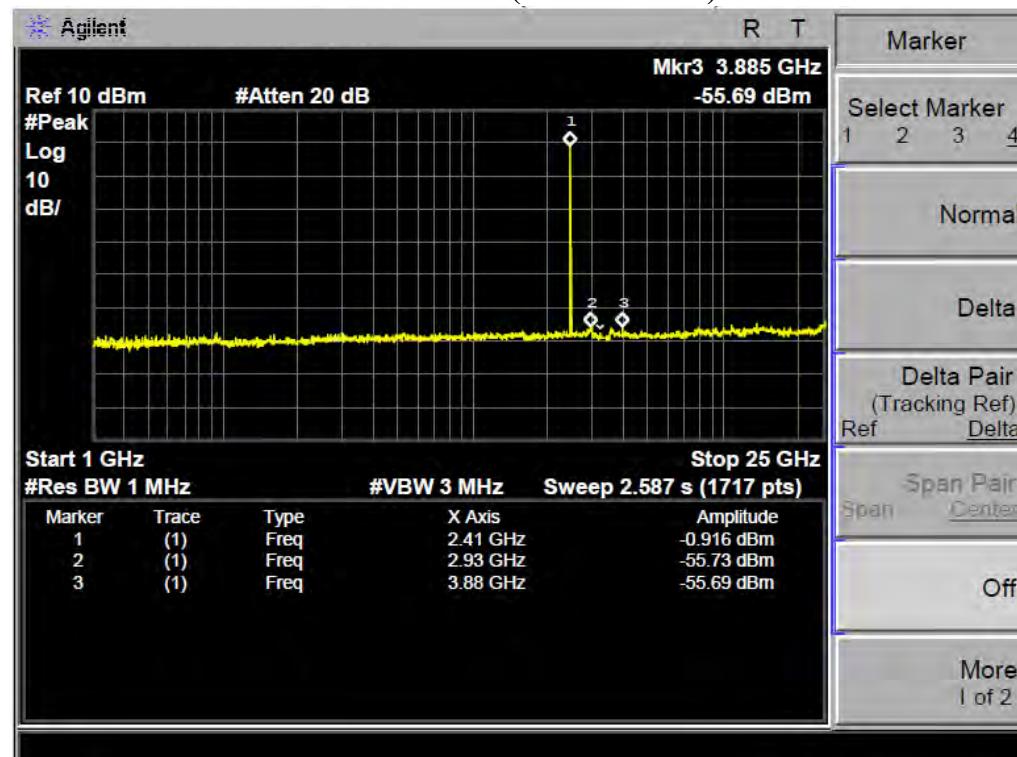
Pass.

The spectrum analyzer plots are attached as below.

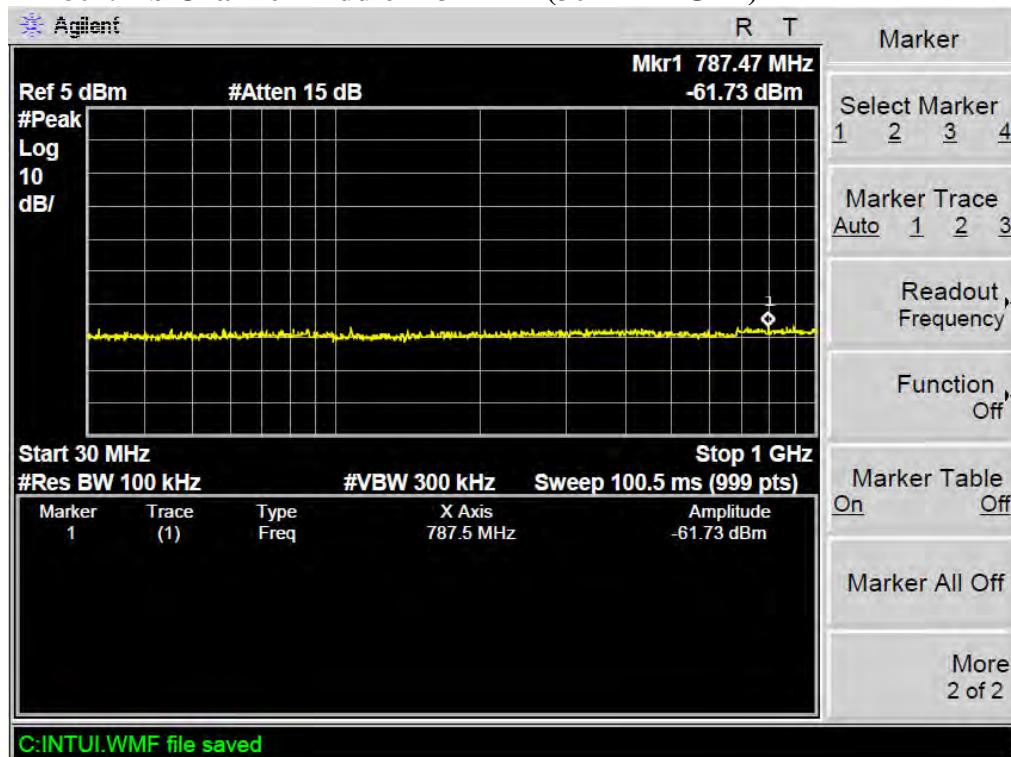
TX 802.11b Channel Low 2412MHz (30MHz-1GHz)



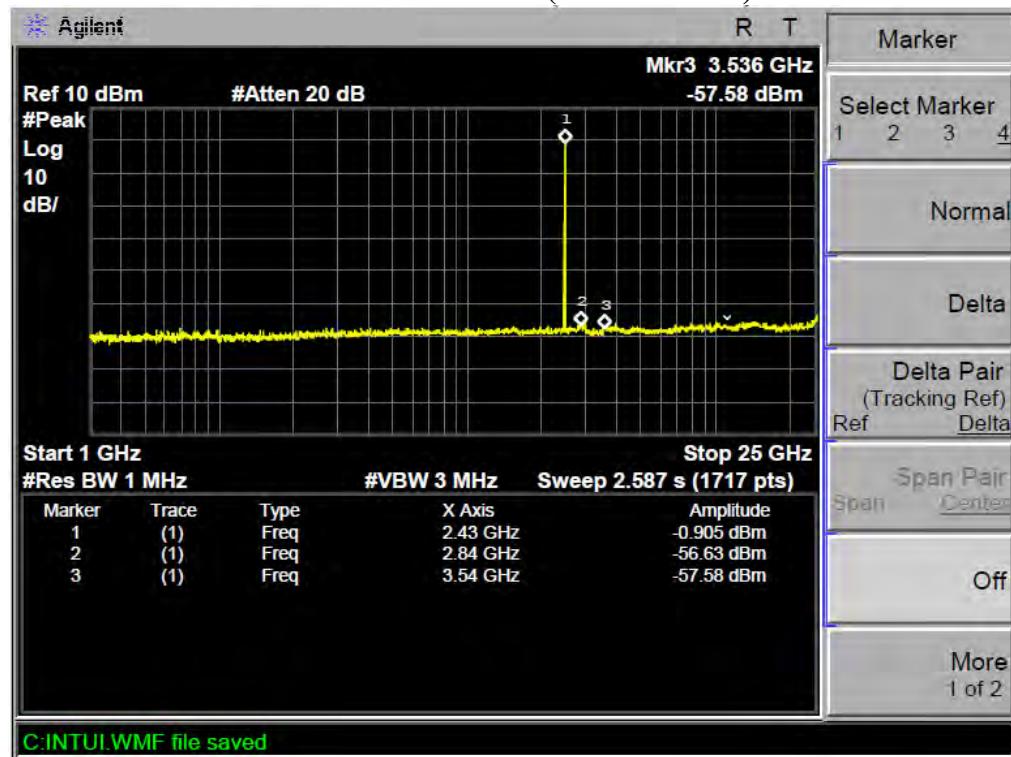
TX 802.11b Channel Low 2412MHz (1GHz-25GHz)



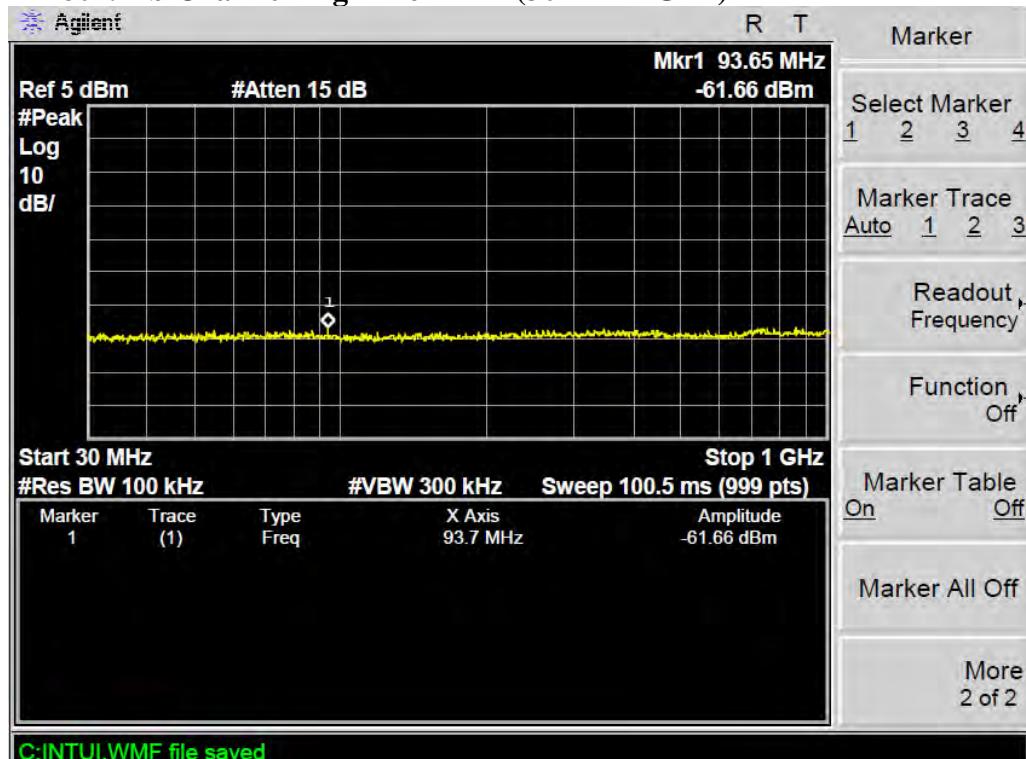
TX 802.11b Channel Middle 2437MHz (30MHz-1GHz)



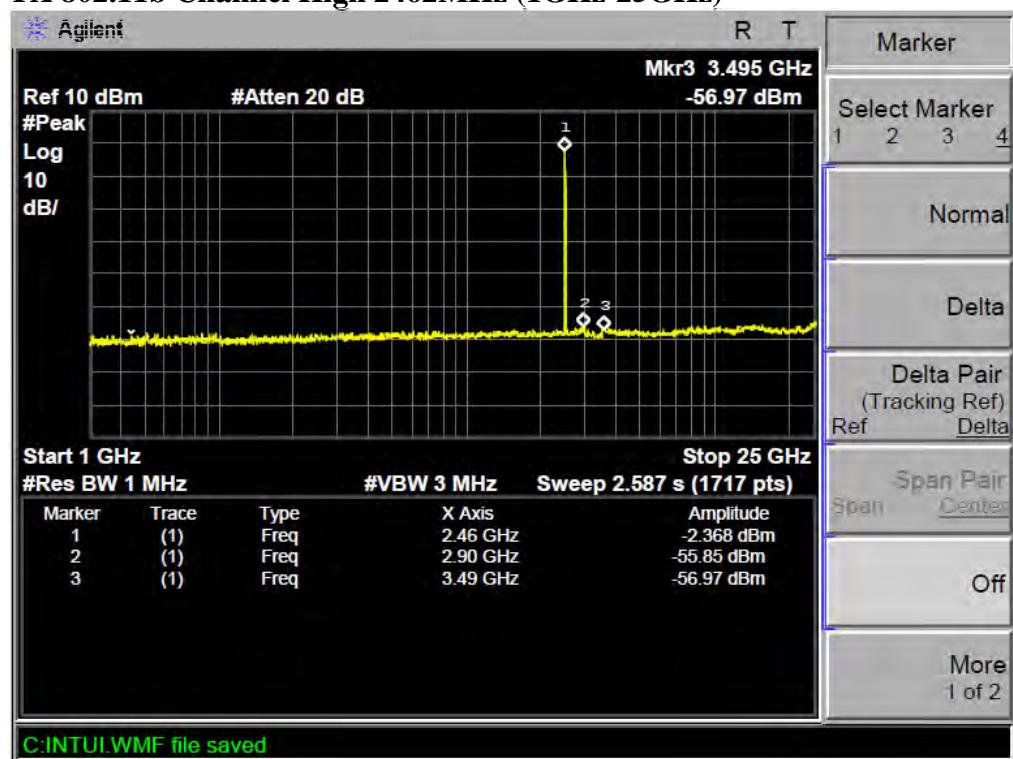
TX 802.11b Channel Middle 2437MHz (1GHz-25GHz)



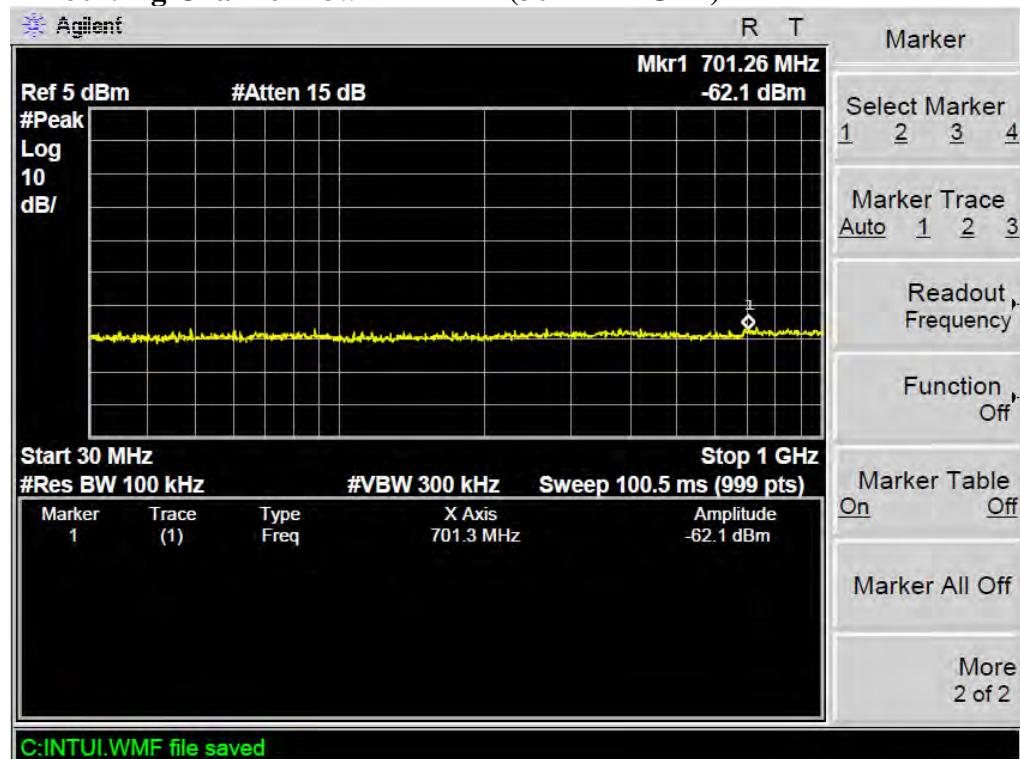
TX 802.11b Channel High 2462MHz (30MHz-1GHz)



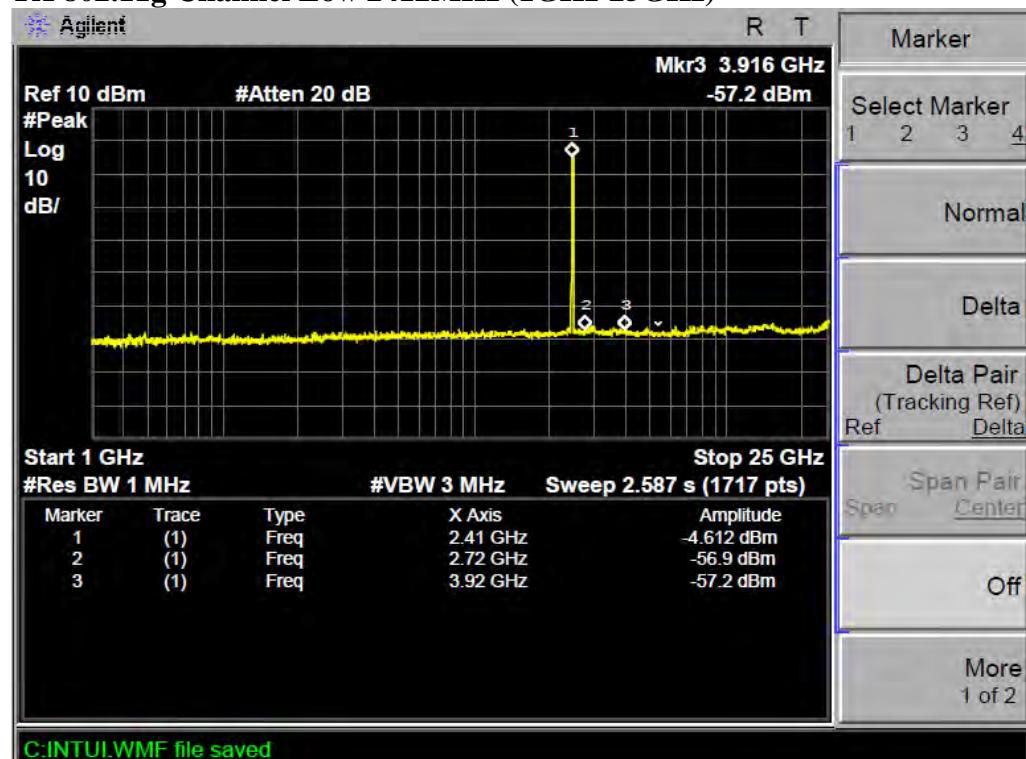
TX 802.11b Channel High 2462MHz (1GHz-25GHz)



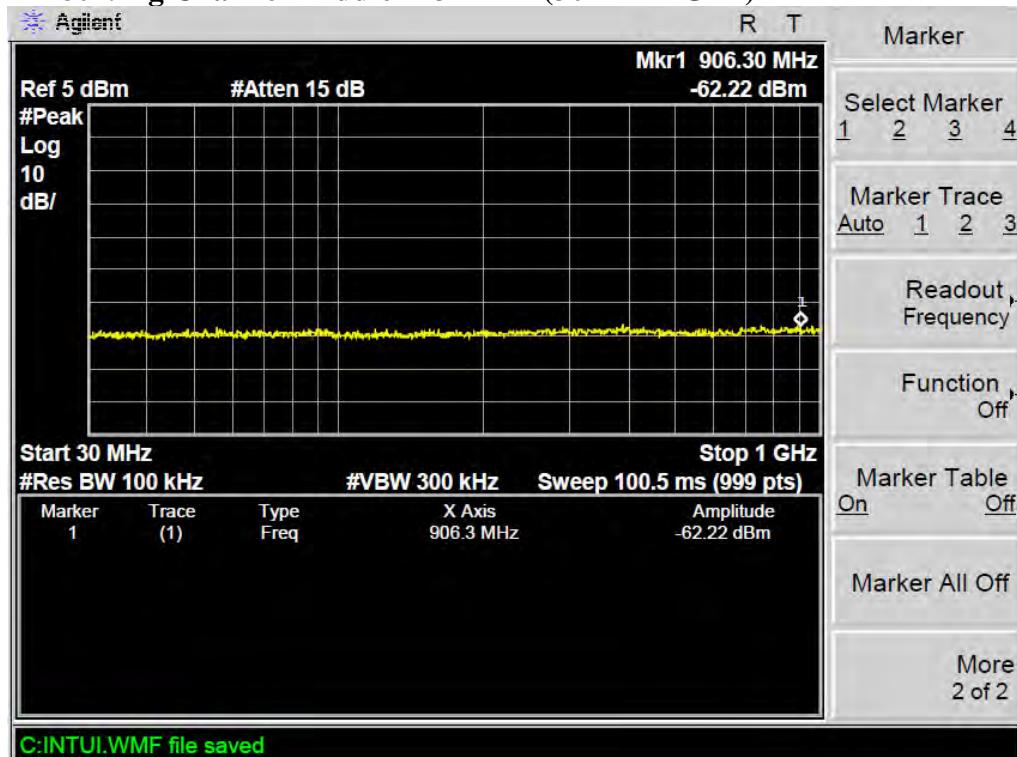
TX 802.11g Channel Low 2412MHz (30MHz-1GHz)



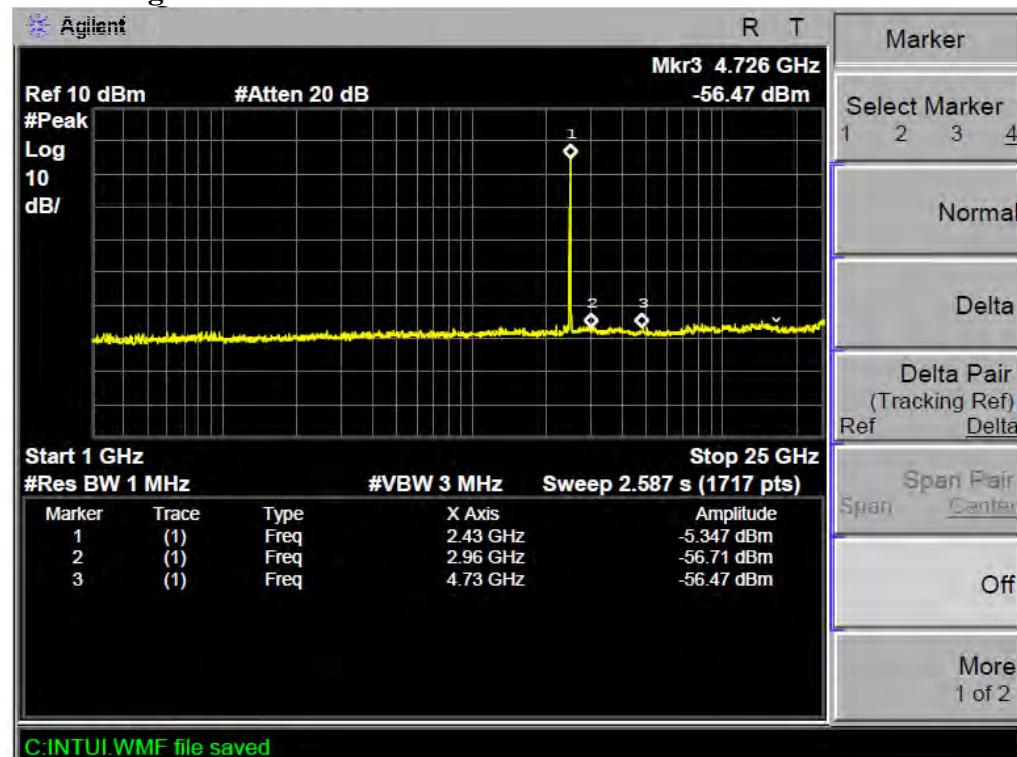
TX 802.11g Channel Low 2412MHz (1GHz-25GHz)



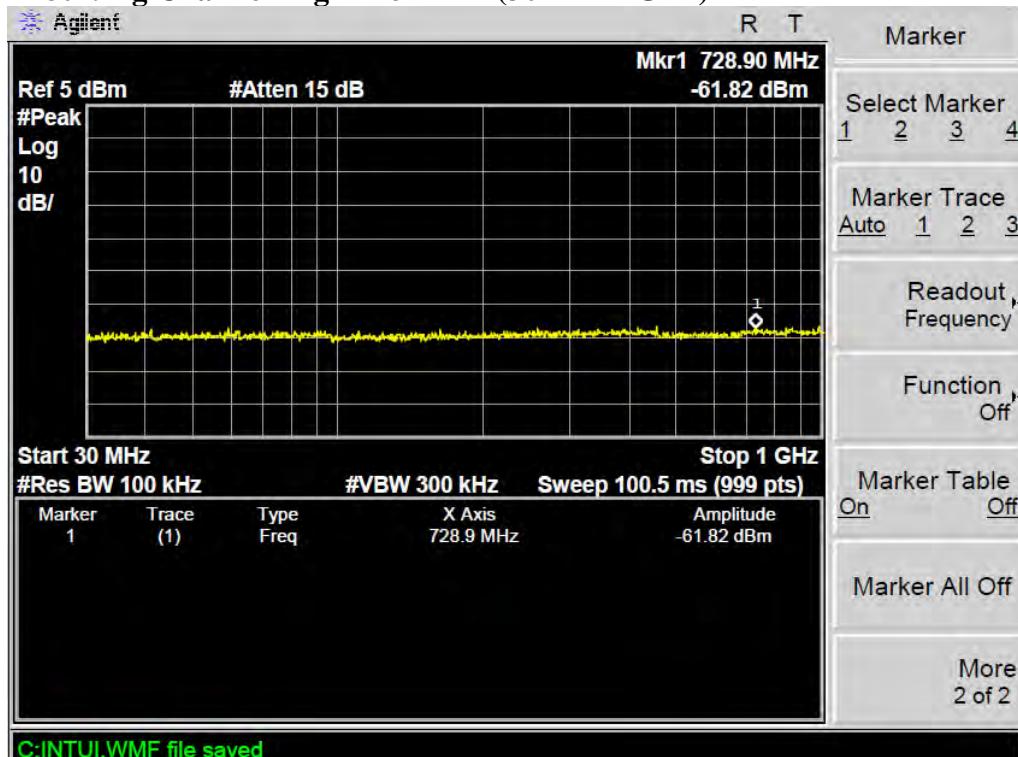
TX 802.11g Channel Middle 2437MHz (30MHz-1GHz)



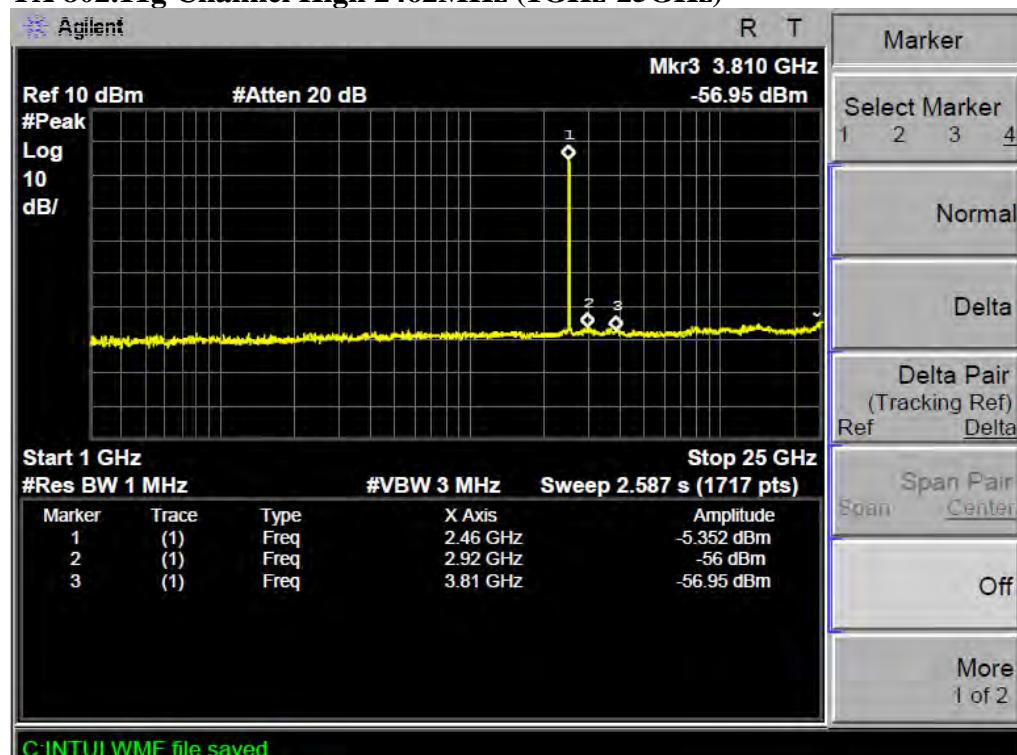
TX 802.11g Channel Middle 2437MHz



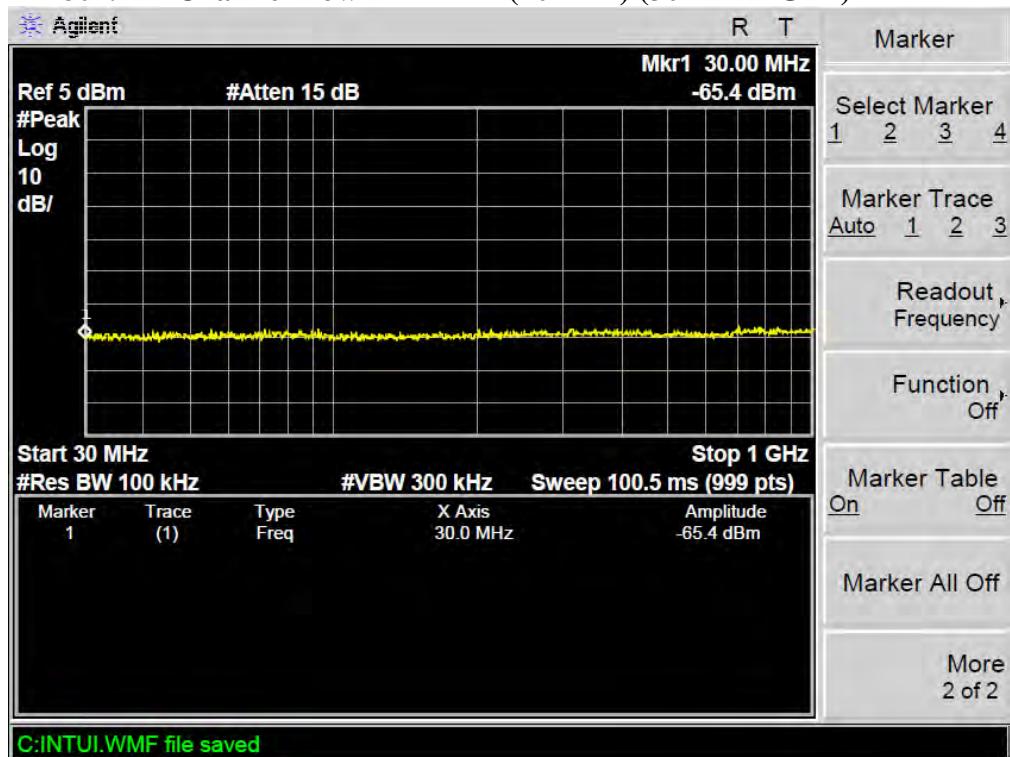
TX 802.11g Channel High 2462MHz (30MHz-1GHz)



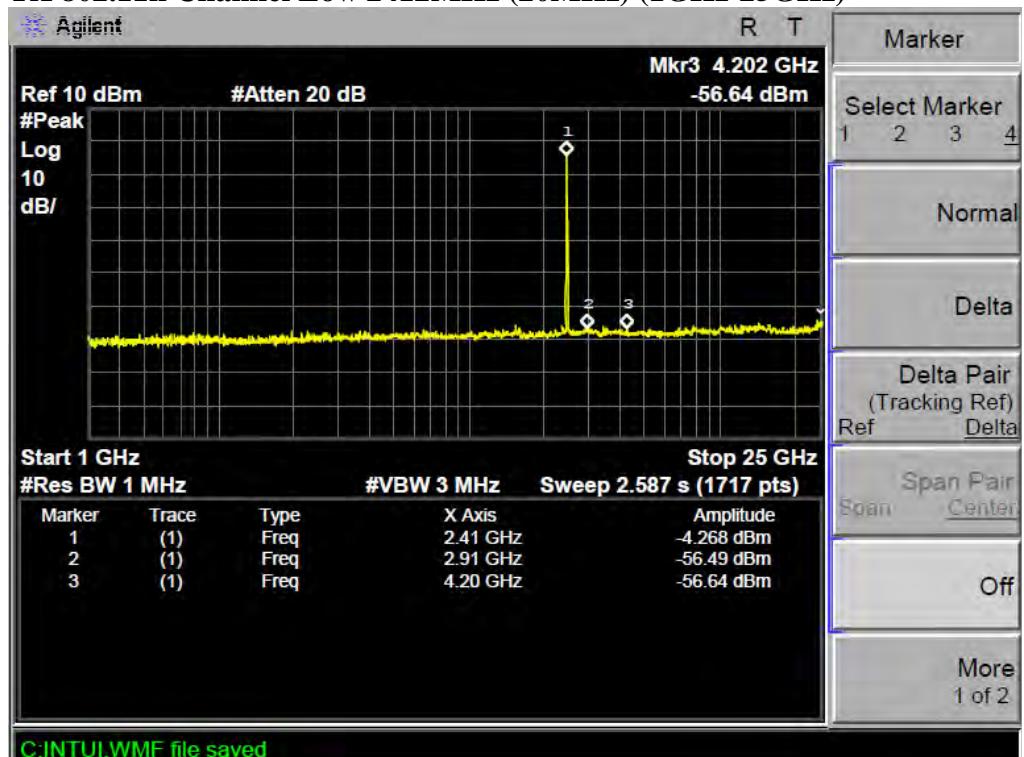
TX 802.11g Channel High 2462MHz (1GHz-25GHz)



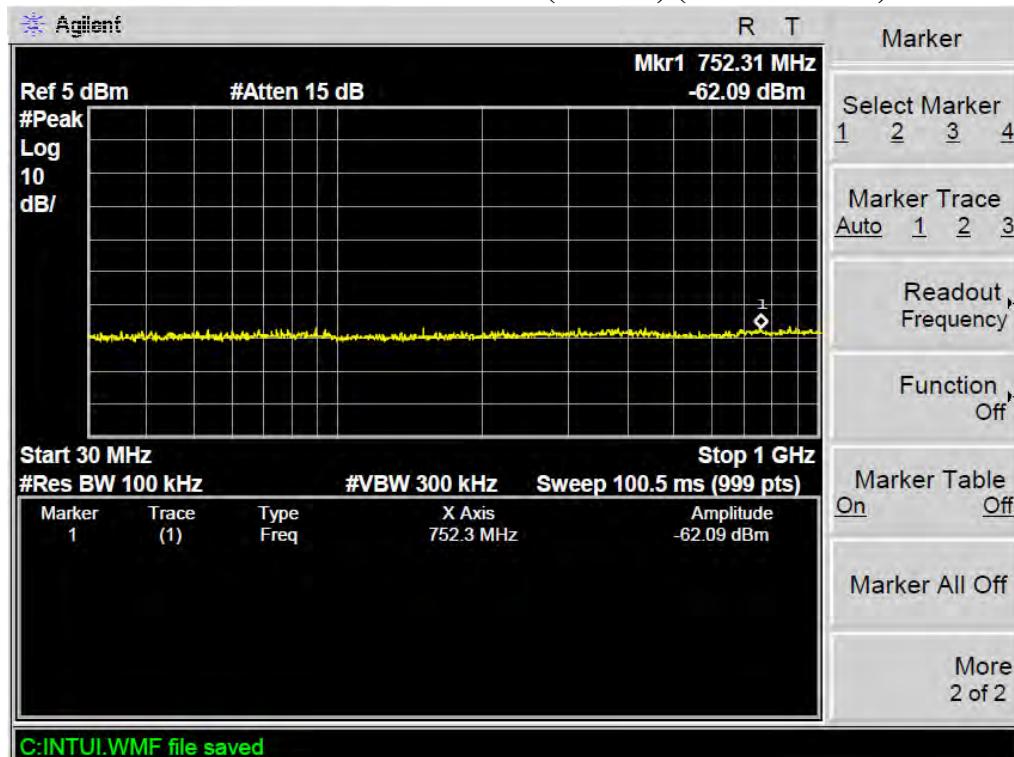
TX 802.11n Channel Low 2412MHz (20MHz) (30MHz-1GHz)



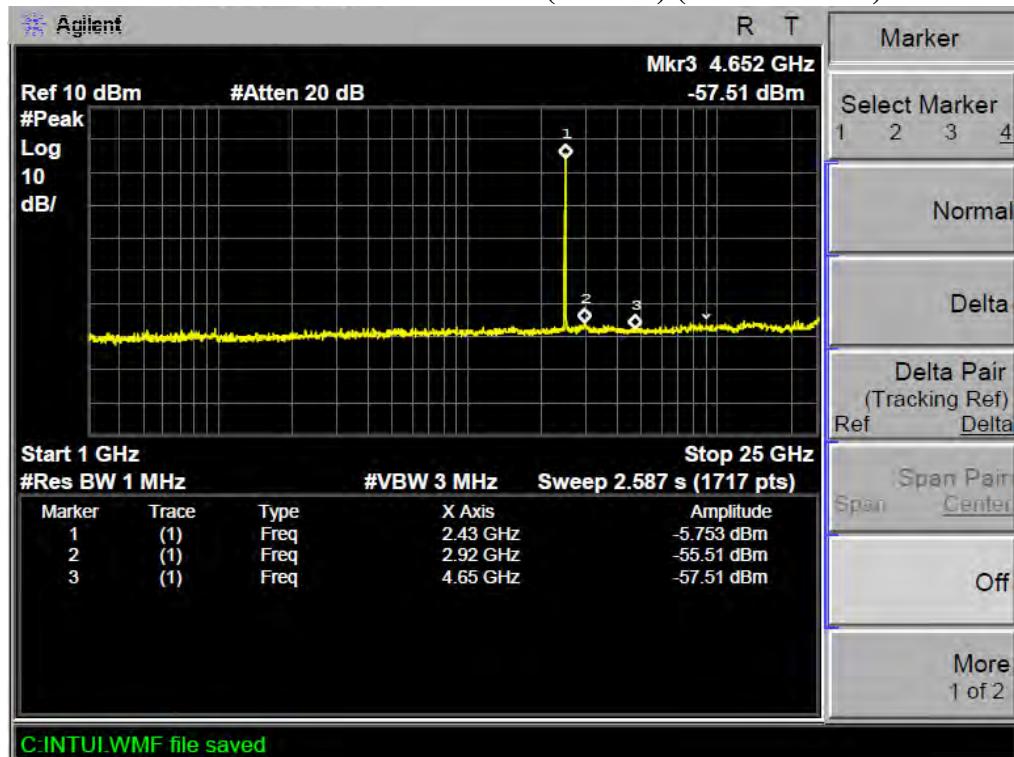
TX 802.11n Channel Low 2412MHz (20MHz) (1GHz-25GHz)



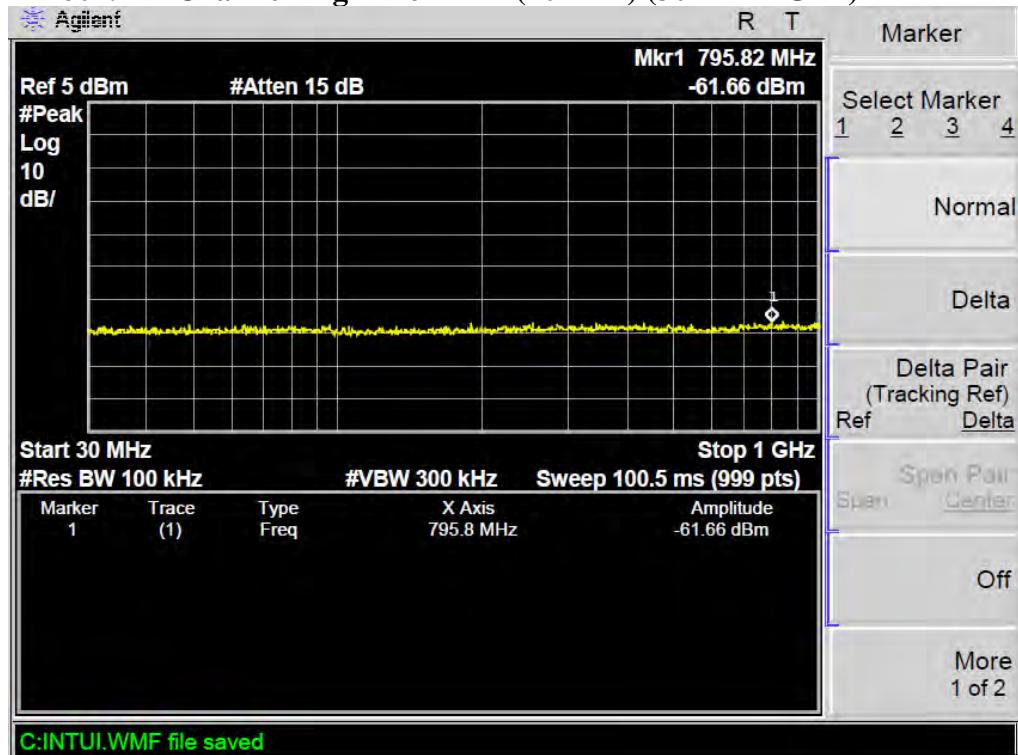
TX 802.11n Channel Middle 2437MHz (20MHz) (30MHz-1GHz)



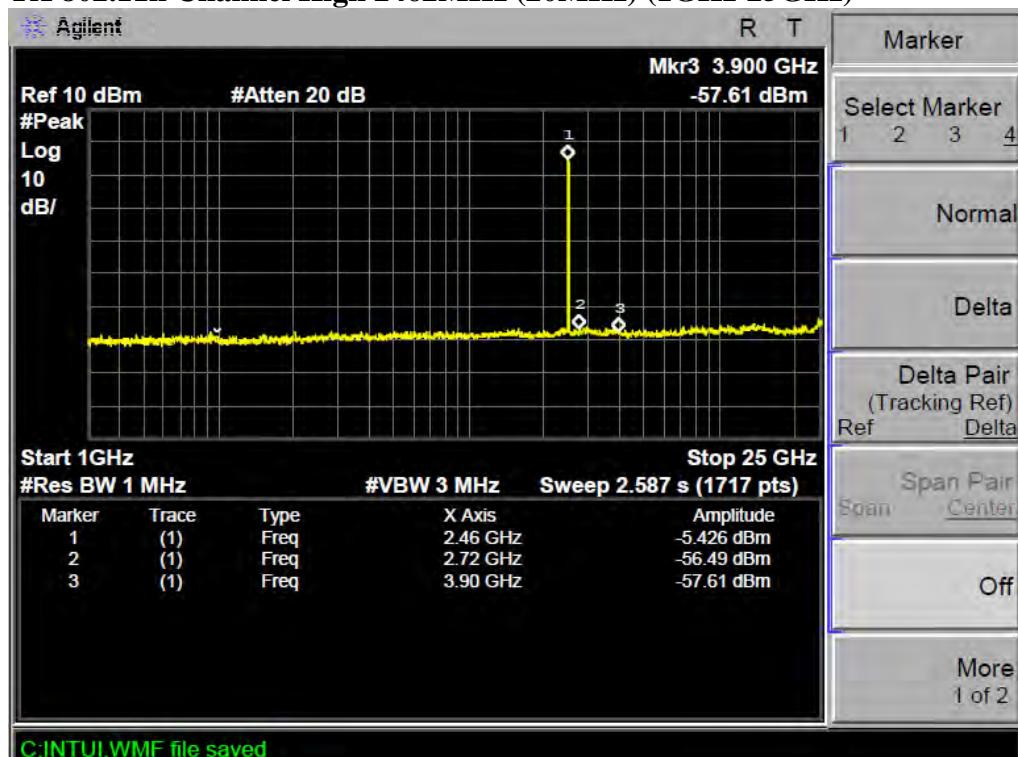
TX 802.11n Channel Middle 2437MHz (20MHz) (1GHz-25GHz)



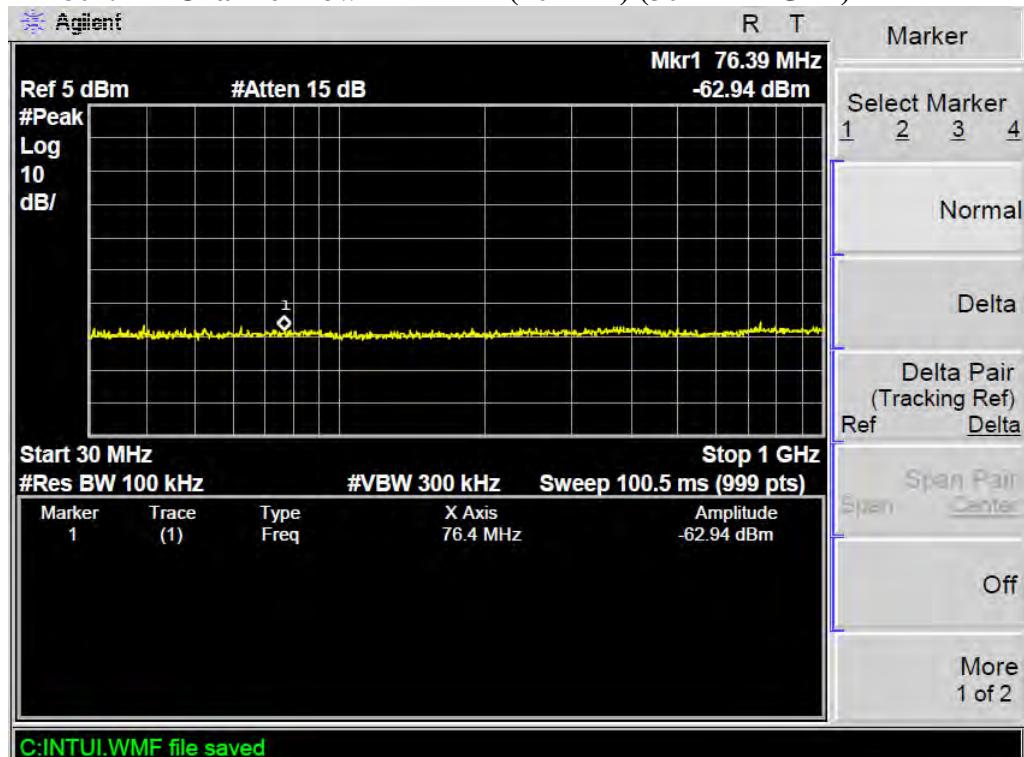
TX 802.11n Channel High 2462MHz (20MHz) (30MHz-1GHz)



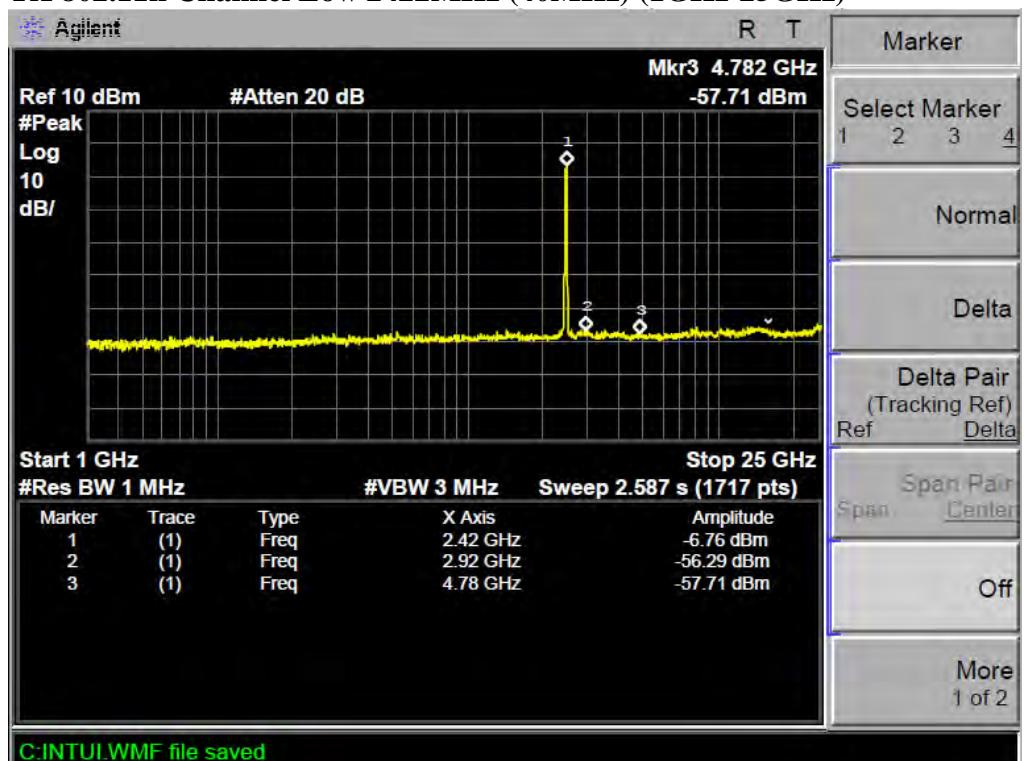
TX 802.11n Channel High 2462MHz (20MHz) (1GHz-25GHz)



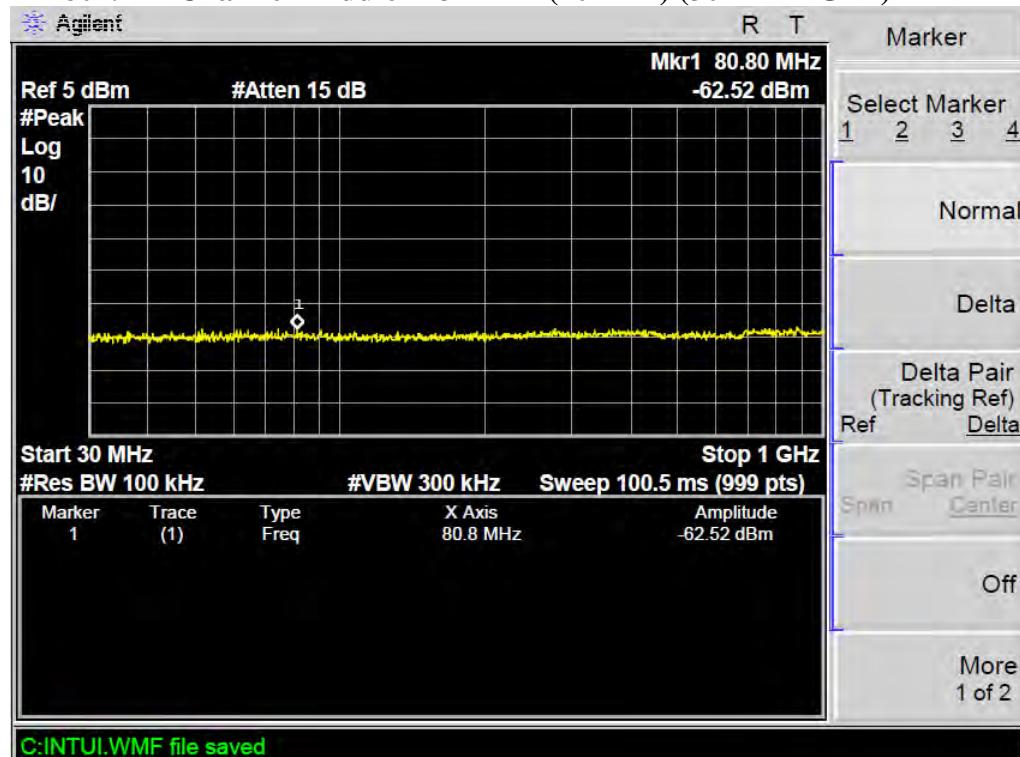
TX 802.11n Channel Low 2422MHz (40MHz) (30MHz-1GHz)



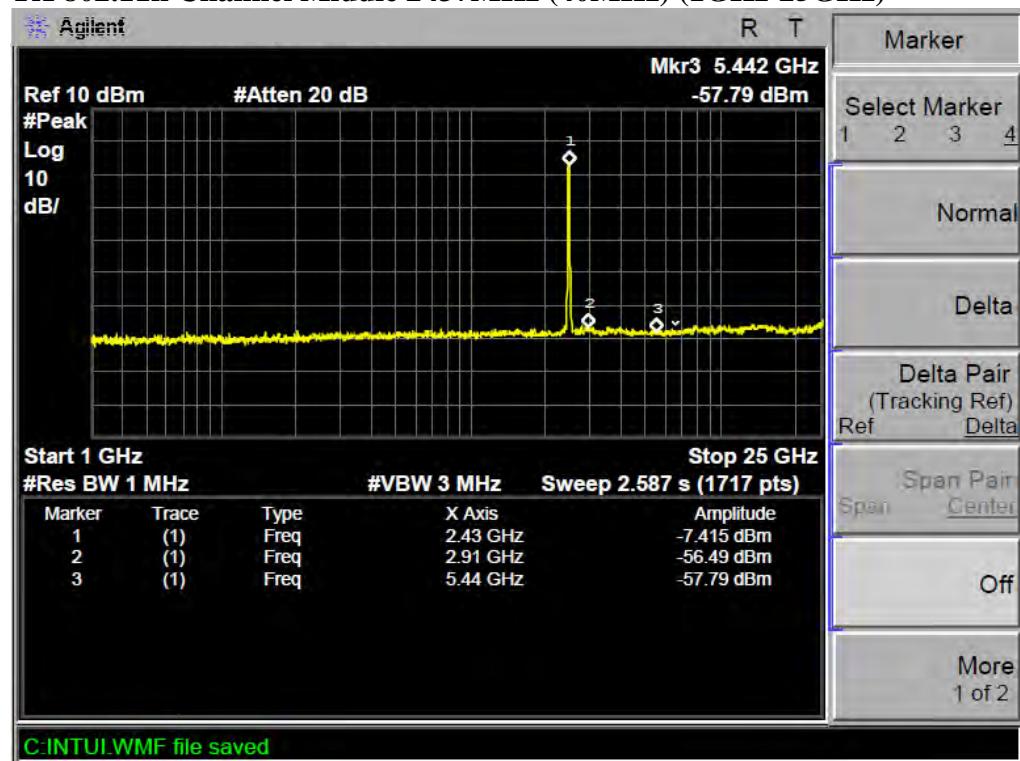
TX 802.11n Channel Low 2422MHz (40MHz) (1GHz-25GHz)



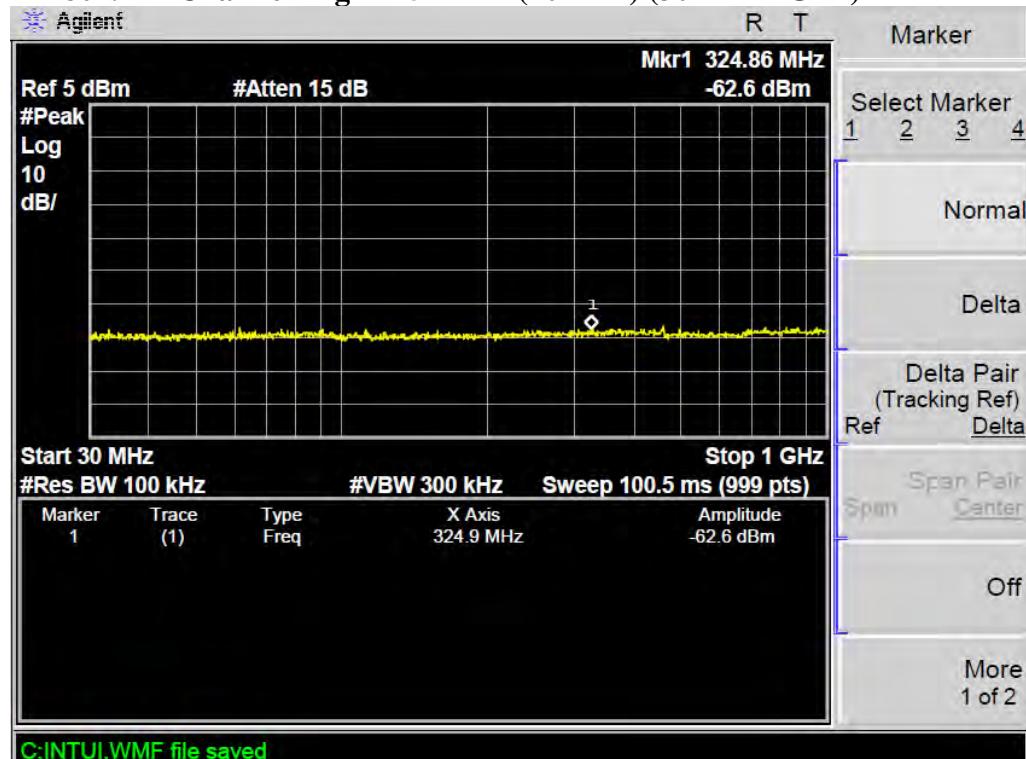
TX 802.11n Channel Middle 2437MHz (40MHz) (30MHz-1GHz)



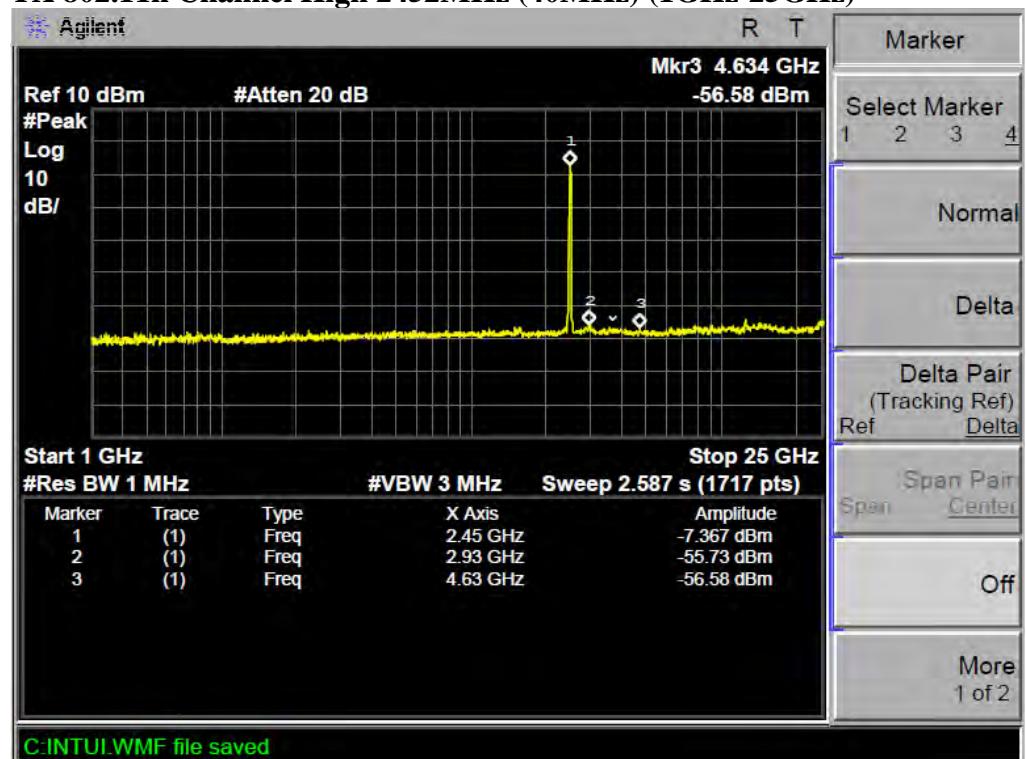
TX 802.11n Channel Middle 2437MHz (40MHz) (1GHz-25GHz)



TX 802.11n Channel High 2452MHz (40MHz) (30MHz-1GHz)



TX 802.11n Channel High 2452MHz (40MHz) (1GHz-25GHz)

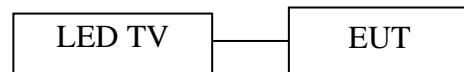


11.AC POWER LINE CONDUCTED EMISSION FOR FCC PART

15 SECTION 15.207(A)

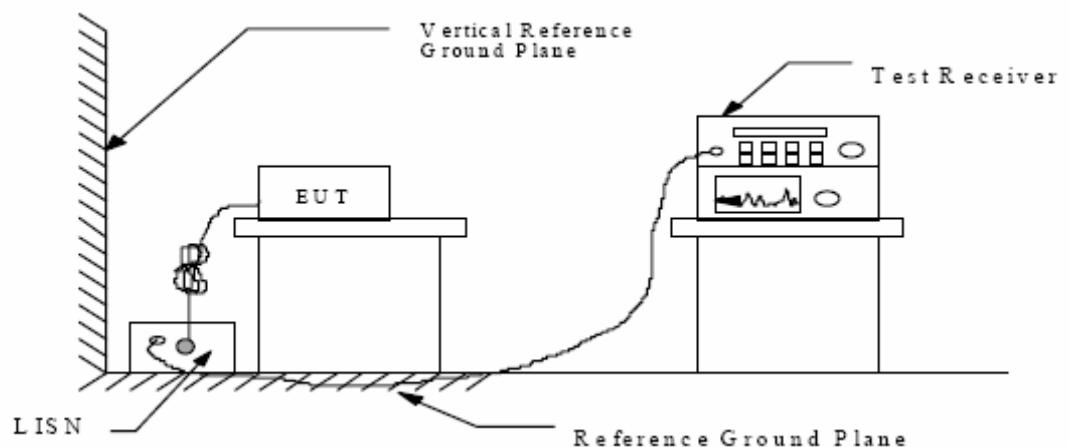
11.1.Block Diagram of Test Setup

11.1.1.Block diagram of connection between the EUT and simulators



(EUT: HDMI WI-FI Smart TV Stick)

11.1.2.Shielding Room Test Setup Diagram



(EUT: HDMI WI-FI Smart TV Stick)

11.2.The Emission Limit

11.2.1.Conducted Emission Measurement Limits According to Section 15.207(a)

Frequency (MHz)	Limit dB(μ V)	
	Quasi-peak Level	Average Level
0.15 - 0.50	66.0 - 56.0 *	56.0 - 46.0 *
0.50 - 5.00	56.0	46.0
5.00 - 30.00	60.0	50.0

* Decreases with the logarithm of the frequency.

11.3.Configuration of EUT on Measurement

The following equipment are installed on the Conducted Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

11.3.1.HDMI WI-FI Smart TV Stick (EUT)

Model Number	:	ST-W
Serial Number	:	N/A
Manufacturer	:	NEWMI TECH.(HK)CO., LTD.

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) mode measure it.

11.5.Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2009 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

11.6. Power Line Conducted Emission Measurement Results

PASS.

The frequency range from 150kHz to 30MHz is checked.

Date of Test:	April 12, 2013	Temperature:	25°C
EUT:	HDMI WI-FI Smart TV Stick	Humidity:	50%
Model No.:	ST-W	Power Supply:	AC 120V/60Hz
Test Mode:	Tx	Test Engineer:	Pei

Frequency (MHz)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	Line
0.498814	38.80	56	-17.2	QP	Neutral
4.777715	37.10	56	-18.9	QP	
5.216293	37.70	60	-22.3	QP	
0.488957	34.50	46	-11.7	AV	
4.777715	29.00	46	-17.0	AV	
17.837973	31.40	50	-18.60	AV	
0.485068	35.80	56	-20.5	QP	Live
4.874037	34.90	56	-21.1	QP	
14.321592	40.30	60	-19.7	QP	
0.485068	29.60	46	-16.7	AV	
14.321592	35.20	50	-14.8	AV	

Emissions attenuated more than 20 dB below the permissible value are not reported.
The spectral diagrams are attached as below.

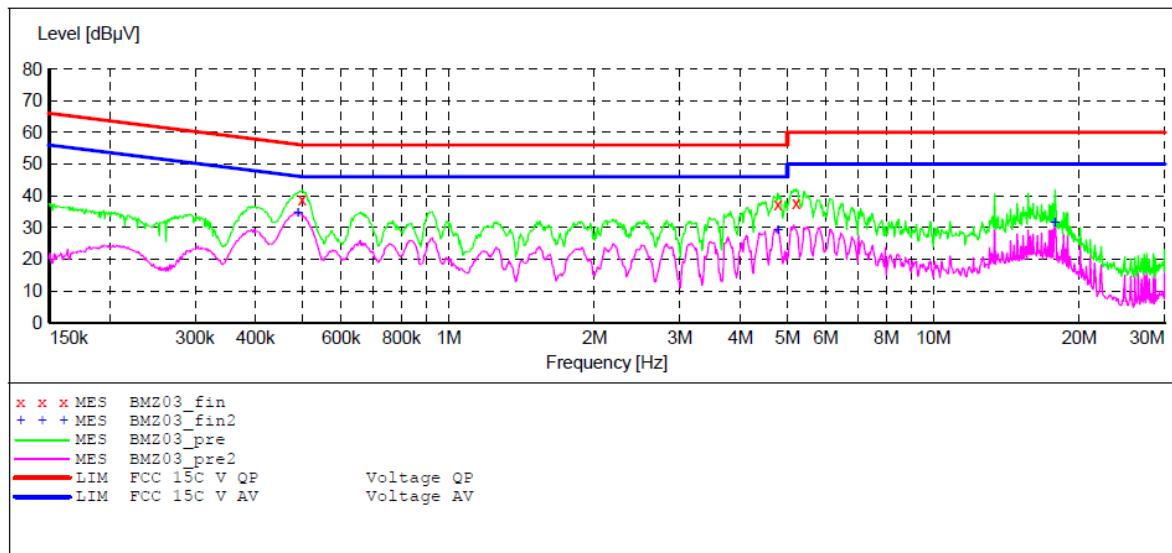
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15C

EUT: HDMI WI-FI Smart TV Stick M/N:ST-W
 Manufacturer: NEWMI
 Operating Condition: ON
 Test Site: 1#Shielding Room
 Operator: Star
 Test Specification: N 120V/60Hz
 Comment: Report No.:ATE20130457
 Start of Test: 4/12/2013 / 5:25:08PM

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "BMZ03_fin"

4/12/2013 5:27PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.498814	38.80	12.6	56	17.2	QP	N	GND
4.777715	37.10	12.3	56	18.9	QP	N	GND
5.216293	37.70	12.3	60	22.3	QP	N	GND

MEASUREMENT RESULT: "BMZ03_fin2"

4/12/2013 5:27PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.488957	34.50	12.6	46	11.7	AV	N	GND
4.777715	29.00	12.3	46	17.0	AV	N	GND
17.837973	31.40	12.1	50	18.6	AV	N	GND

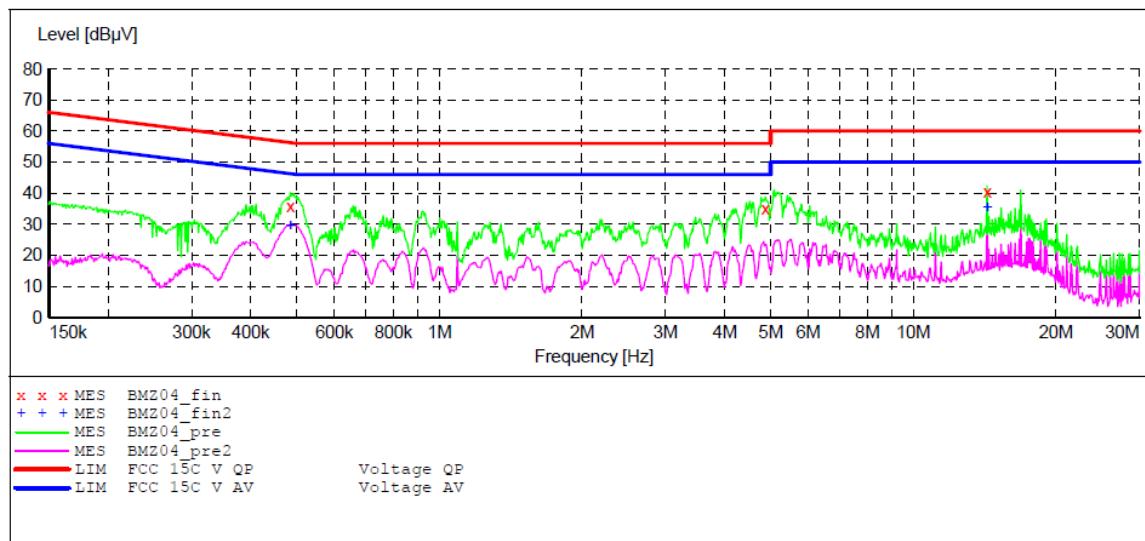
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15C

EUT: HDMI WI-FI Smart TV Stick M/N:ST-W
 Manufacturer: NEWMI
 Operating Condition: ON
 Test Site: 1#Shielding Room
 Operator: Star
 Test Specification: L 120V/60Hz
 Comment: Report No.:ATE20130457
 Start of Test: 4/12/2013 / 5:27:40PM

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "BMZ04_fin"

4/12/2013 5:29PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.485068	35.80	12.6	56	20.5	QP	L1	GND
4.874037	34.90	12.3	56	21.1	QP	L1	GND
14.321592	40.30	12.1	60	19.7	QP	L1	GND

MEASUREMENT RESULT: "BMZ04_fin2"

4/12/2013 5:29PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.485068	29.60	12.6	46	16.7	AV	L1	GND
14.321592	35.20	12.1	50	14.8	AV	L1	GND

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 unique antenna, which isn't displaced by other antenna. Therefore, the equipment complies with the antenna requirement of Section 15.203.

