



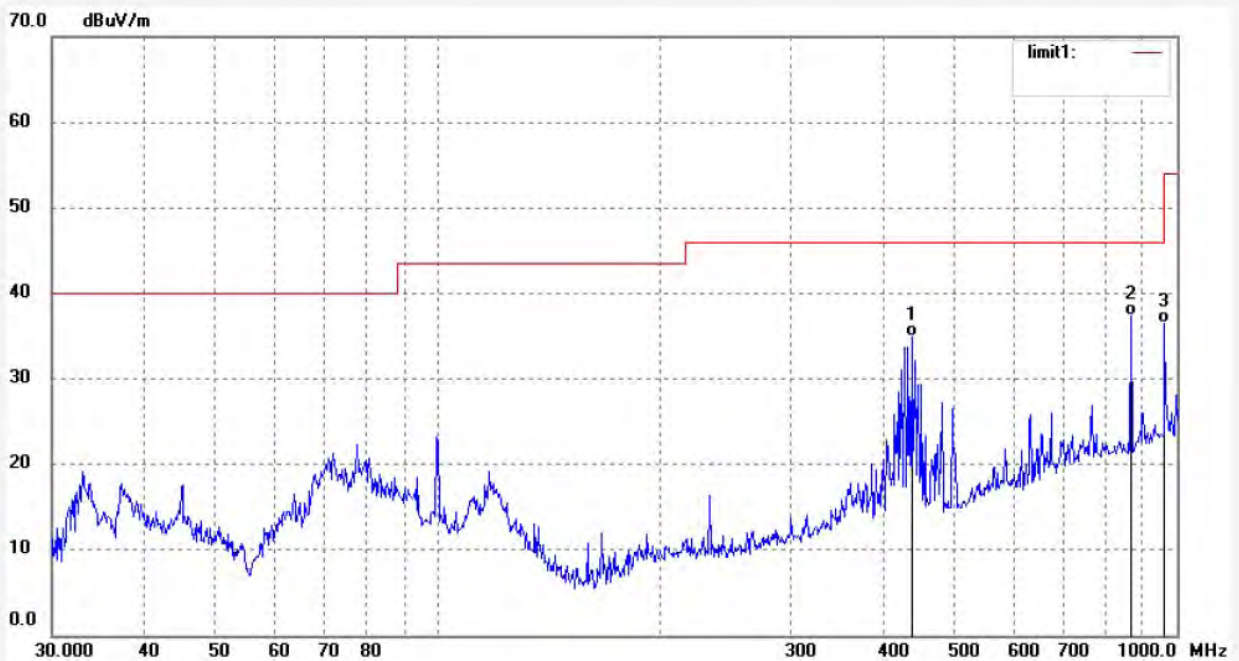
**ACCURATE TECHNOLOGY CO., LTD.**

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			



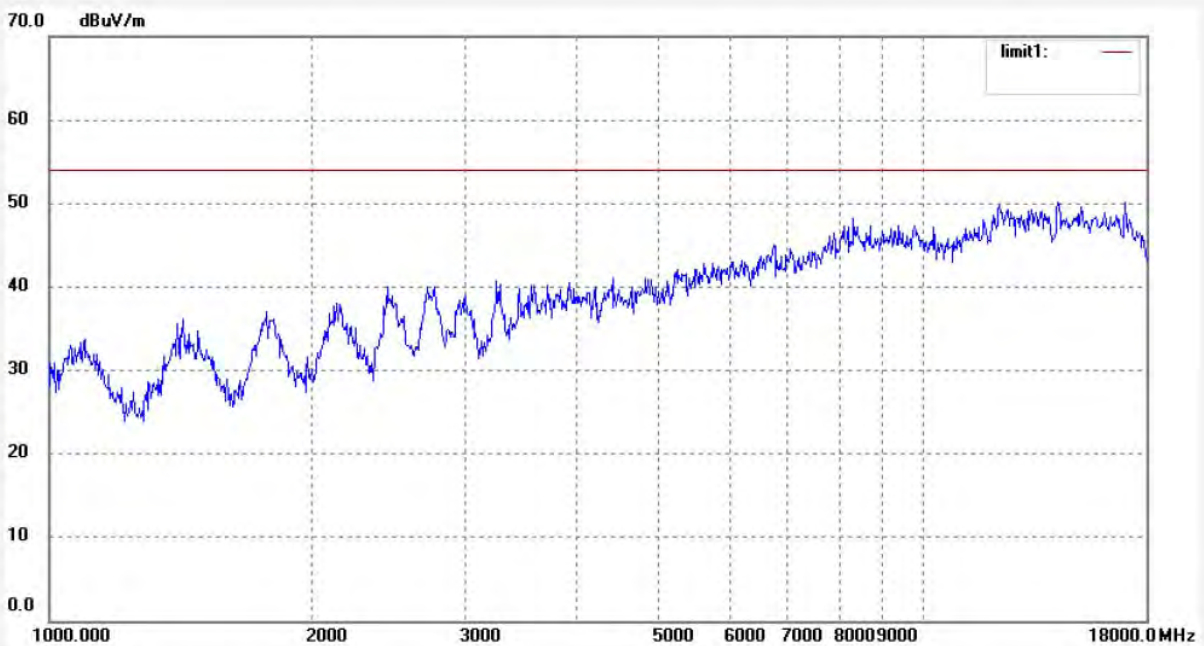
**ACCURATE TECHNOLOGY CO., LTD.**

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

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

Job No.: 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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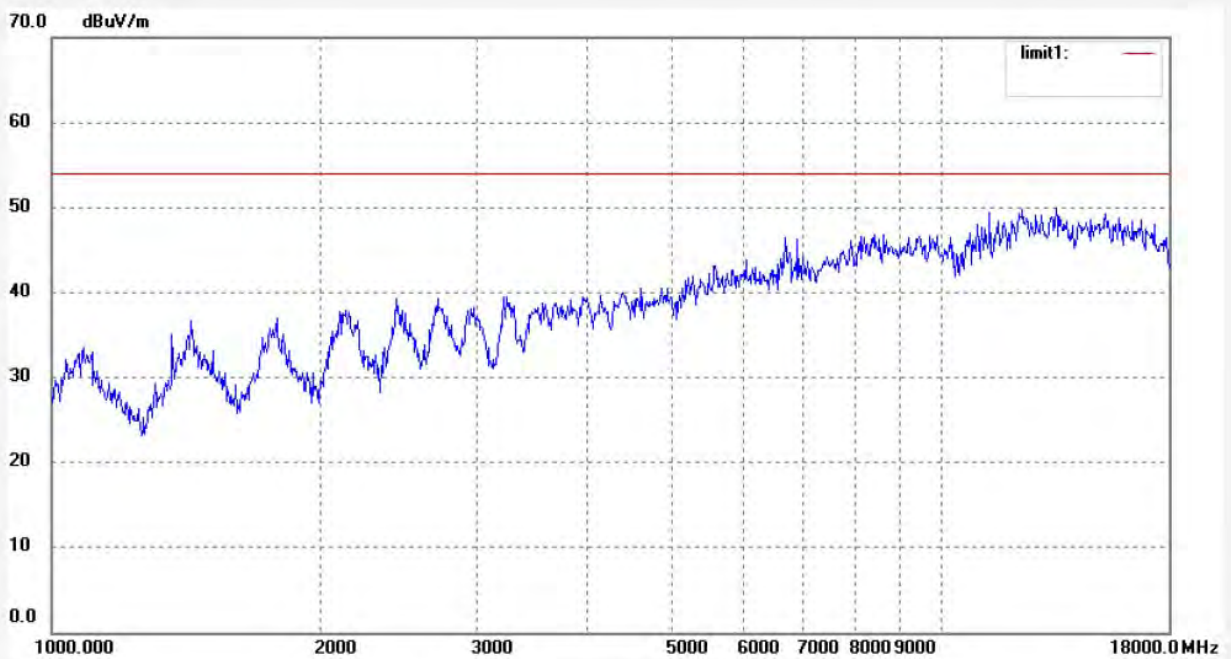
**ACCURATE TECHNOLOGY CO., LTD.**

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

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

Job No.: 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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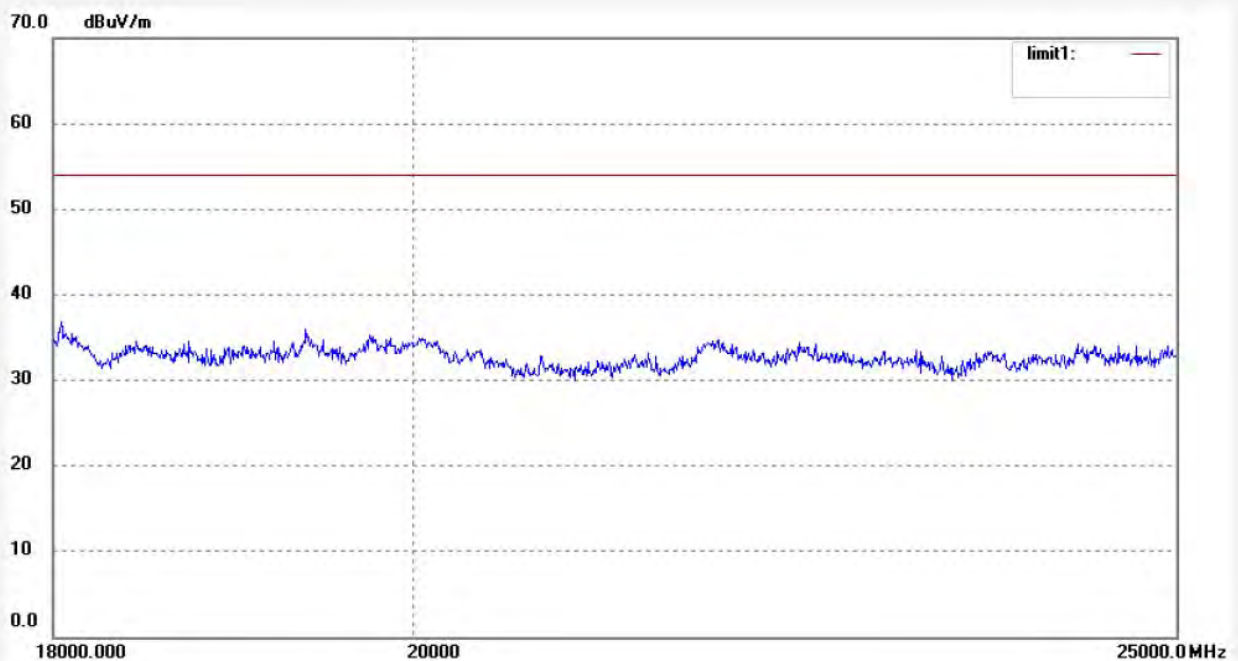
**ACCURATE TECHNOLOGY CO., LTD.**

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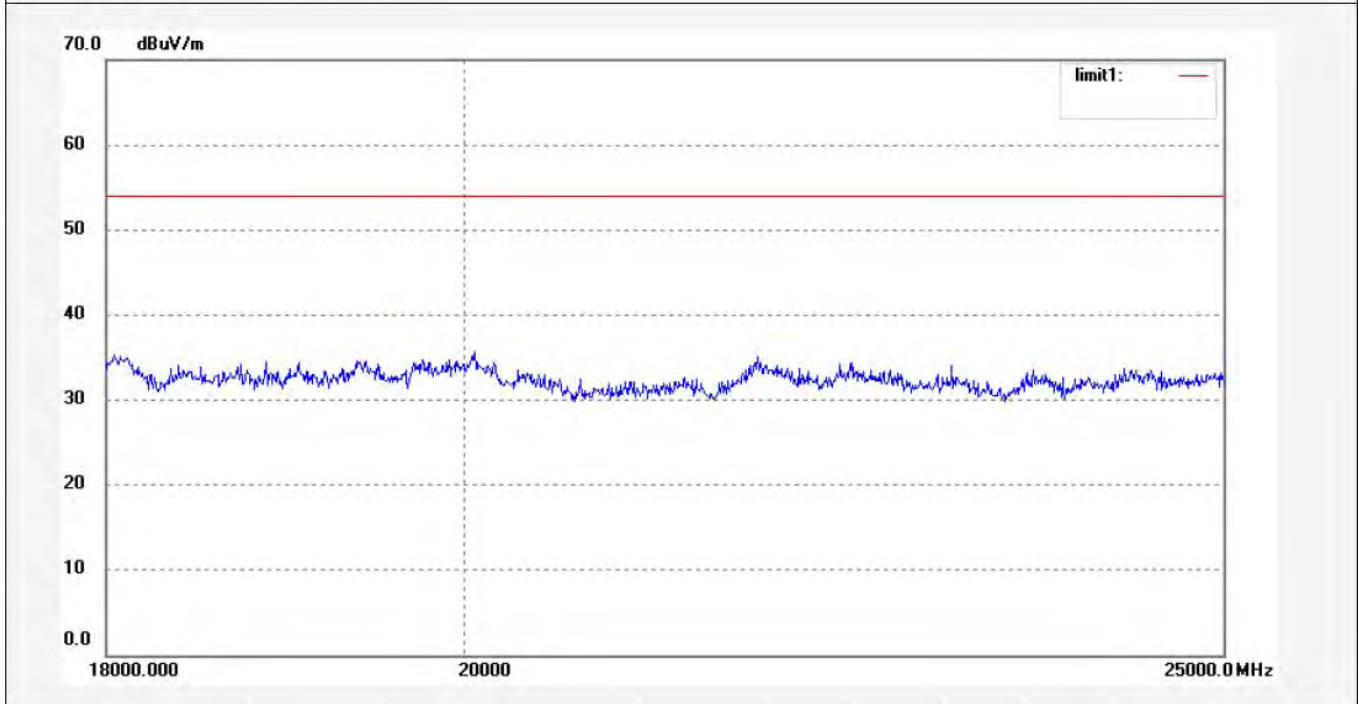
**ACCURATE TECHNOLOGY CO., LTD.**

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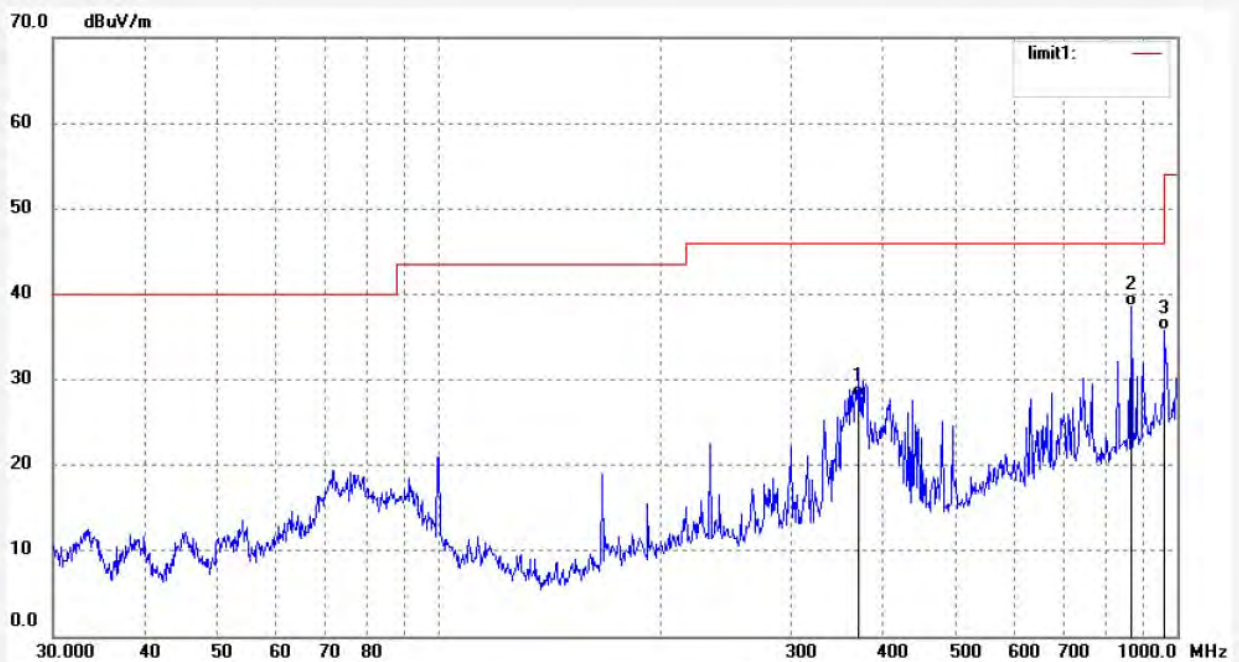
**ACCURATE TECHNOLOGY CO., LTD.**

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 #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			





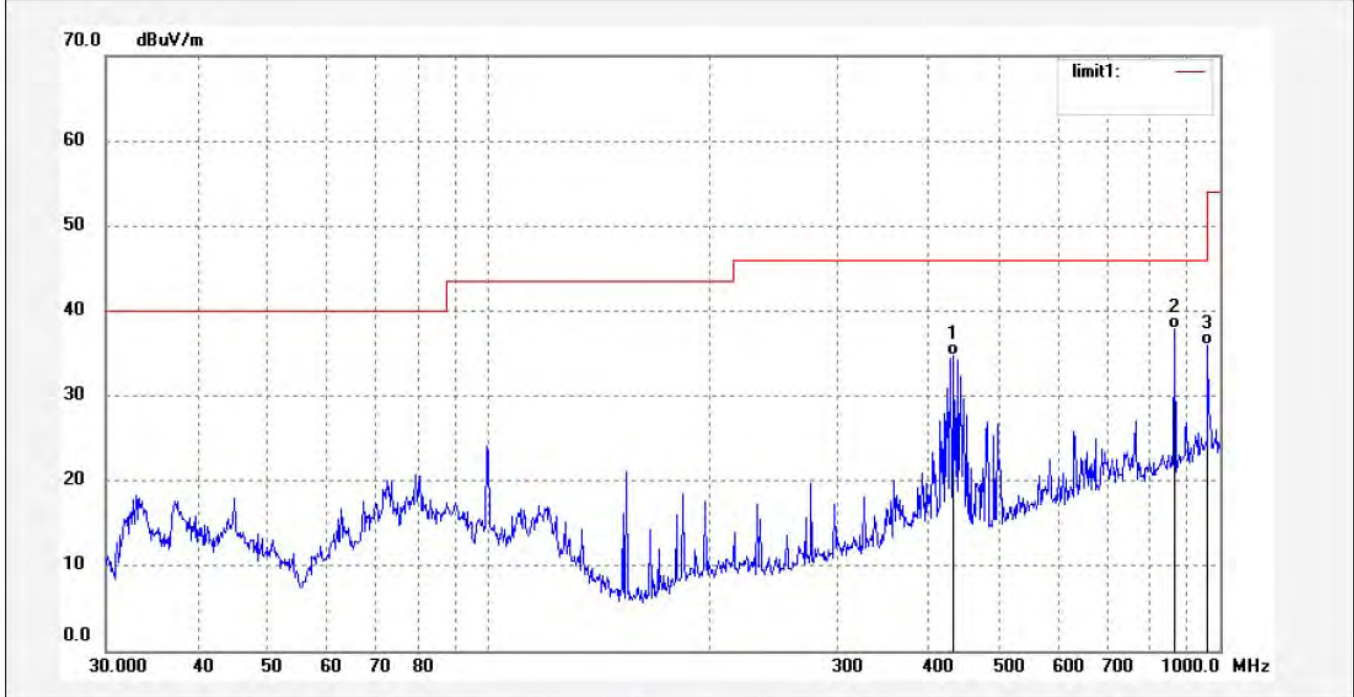
**ACCURATE TECHNOLOGY CO., LTD.**

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 #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			



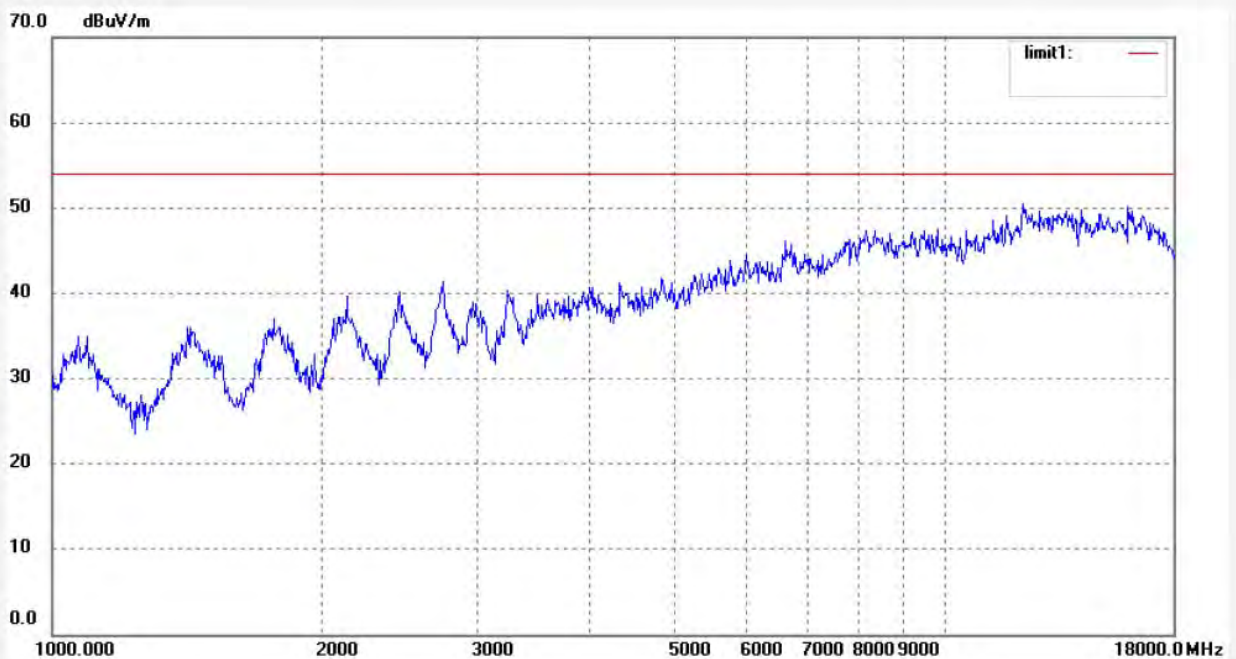
**ACCURATE TECHNOLOGY CO., LTD.**

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

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

Job No.: 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: NEWMII	

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.**

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

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

Job No.: STAR #4077

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: HDMI WI-FI Smart TV Stick

Mode: TX Channel 11 (802.11n)

Model: ST-W

Manufacturer: NEWMI

Polarization: Vertical

Power Source: AC 120V/60Hz

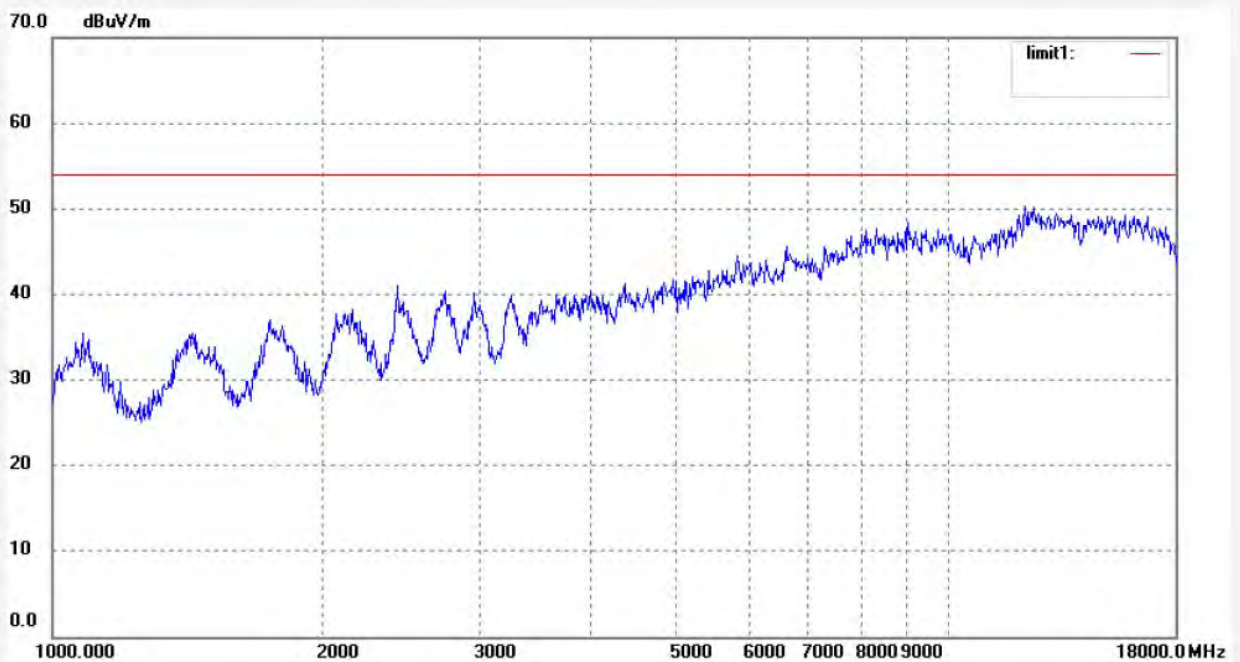
Date: 2013-4-11

Time: 16:20:32

Engineer Signature:

Distance: 3m

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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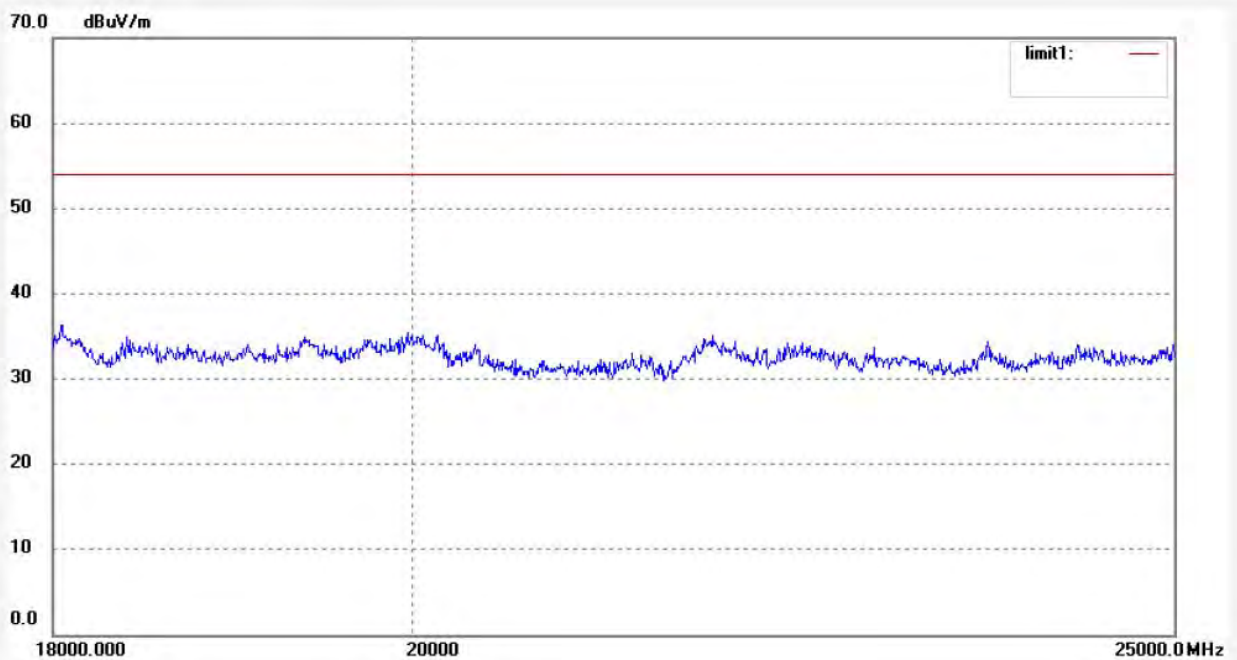
**ACCURATE TECHNOLOGY CO., LTD.**

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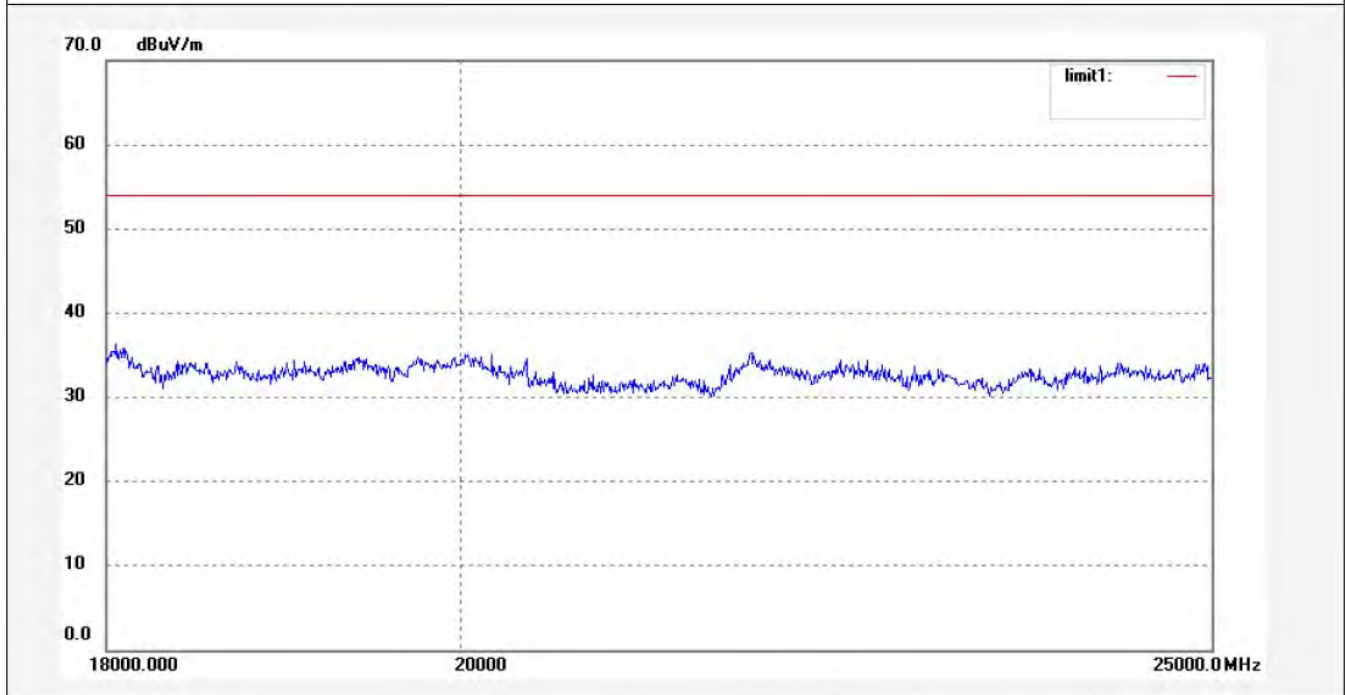
**ACCURATE TECHNOLOGY CO., LTD.**

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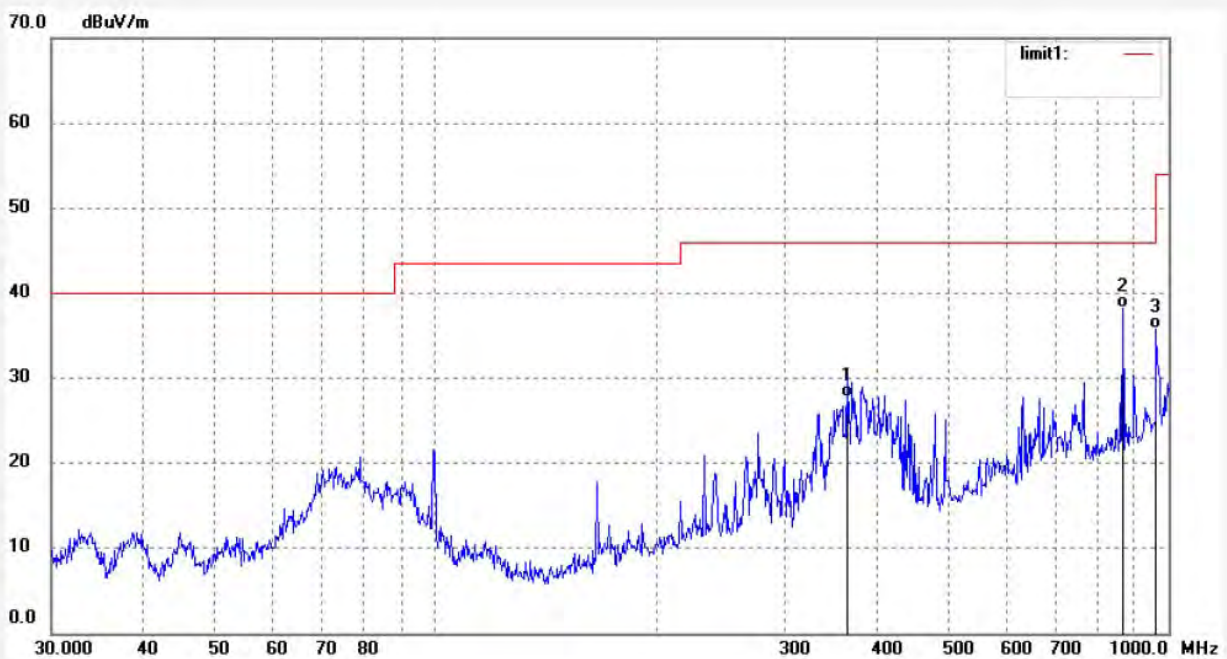
**ACCURATE TECHNOLOGY CO., LTD.**

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 #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			



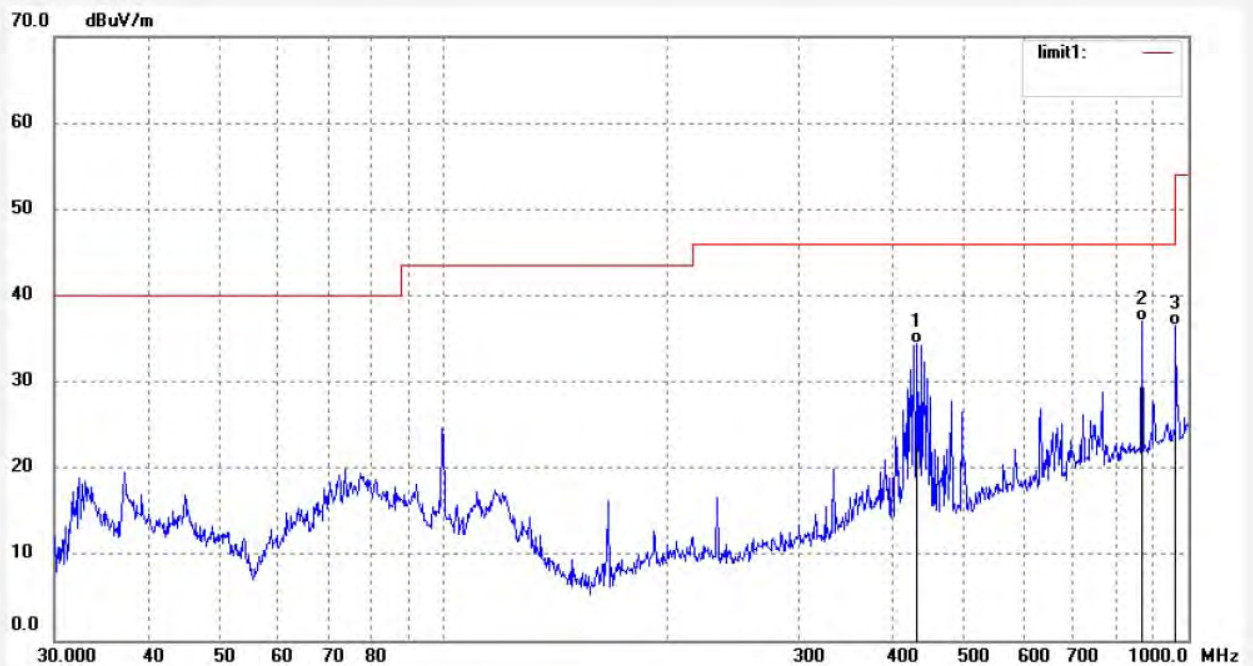
**ACCURATE TECHNOLOGY CO., LTD.**

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 #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			



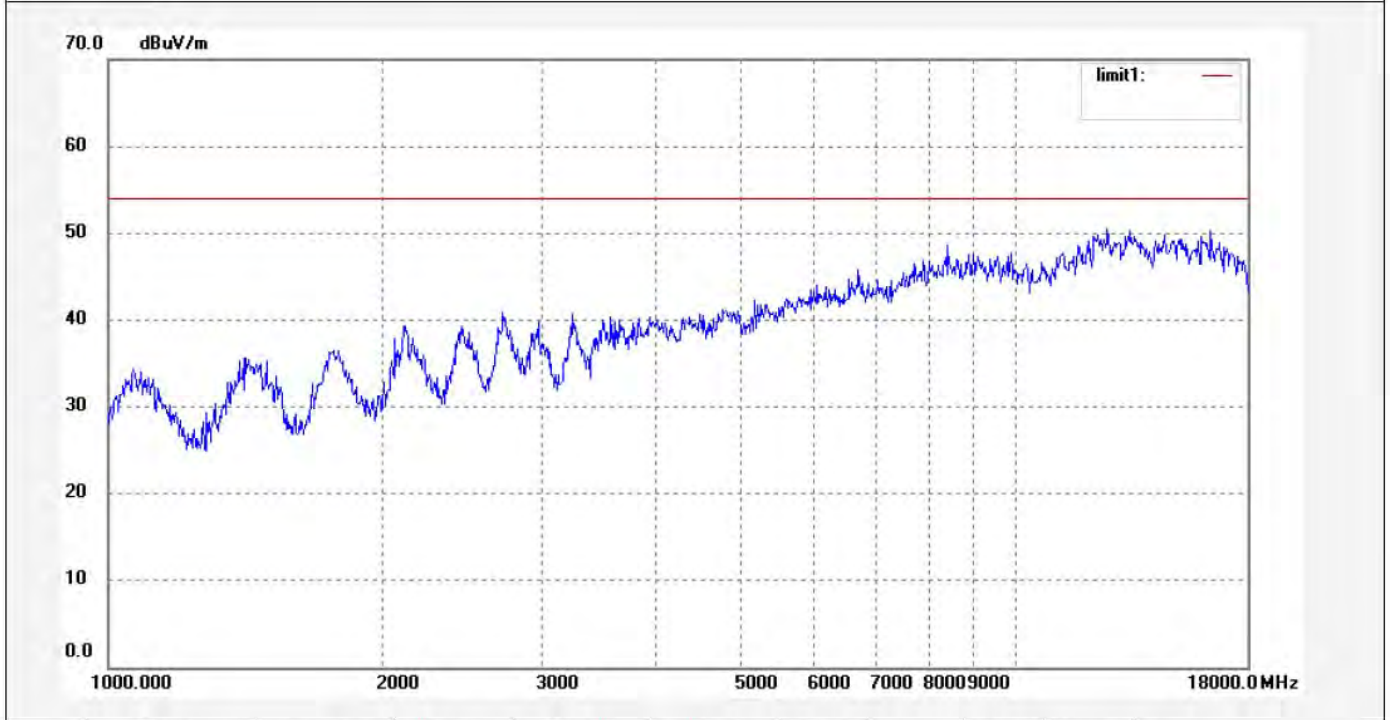
**ACCURATE TECHNOLOGY CO., LTD.**

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

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

Job No.: 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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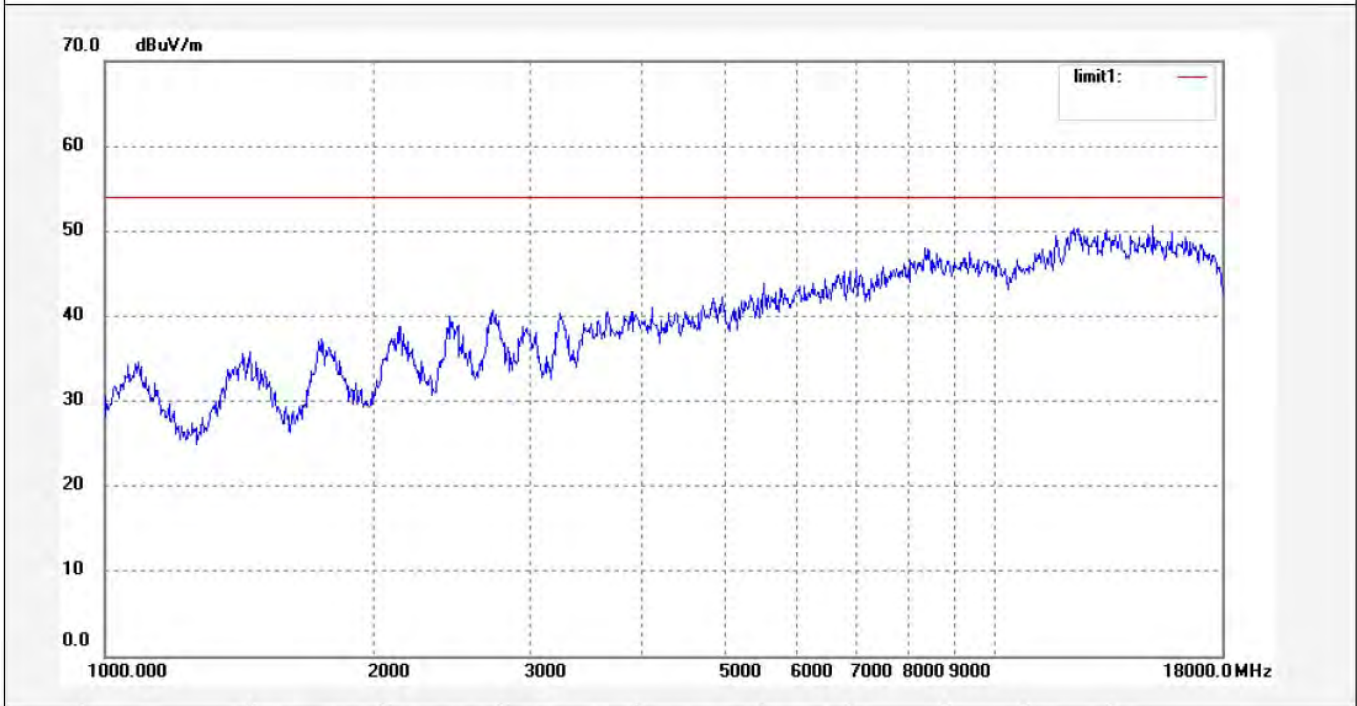
**ACCURATE TECHNOLOGY CO., LTD.**

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

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

Job No.: 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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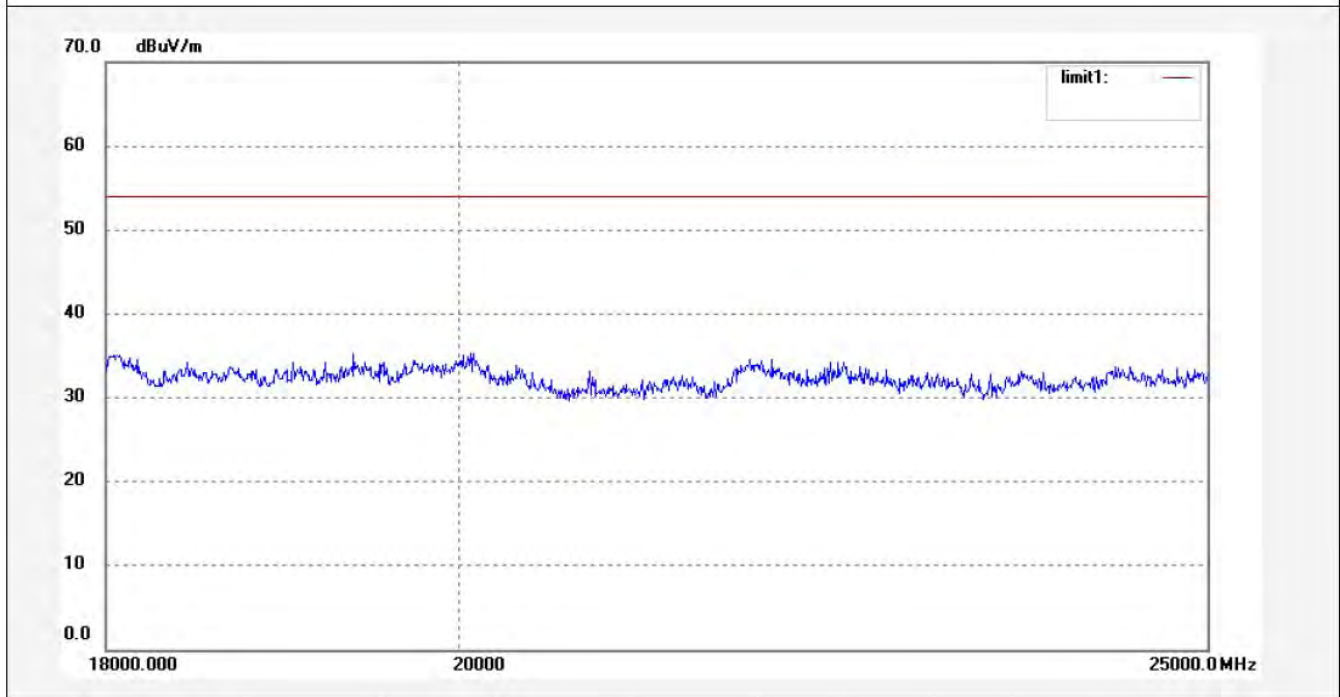
**ACCURATE TECHNOLOGY CO., LTD.**

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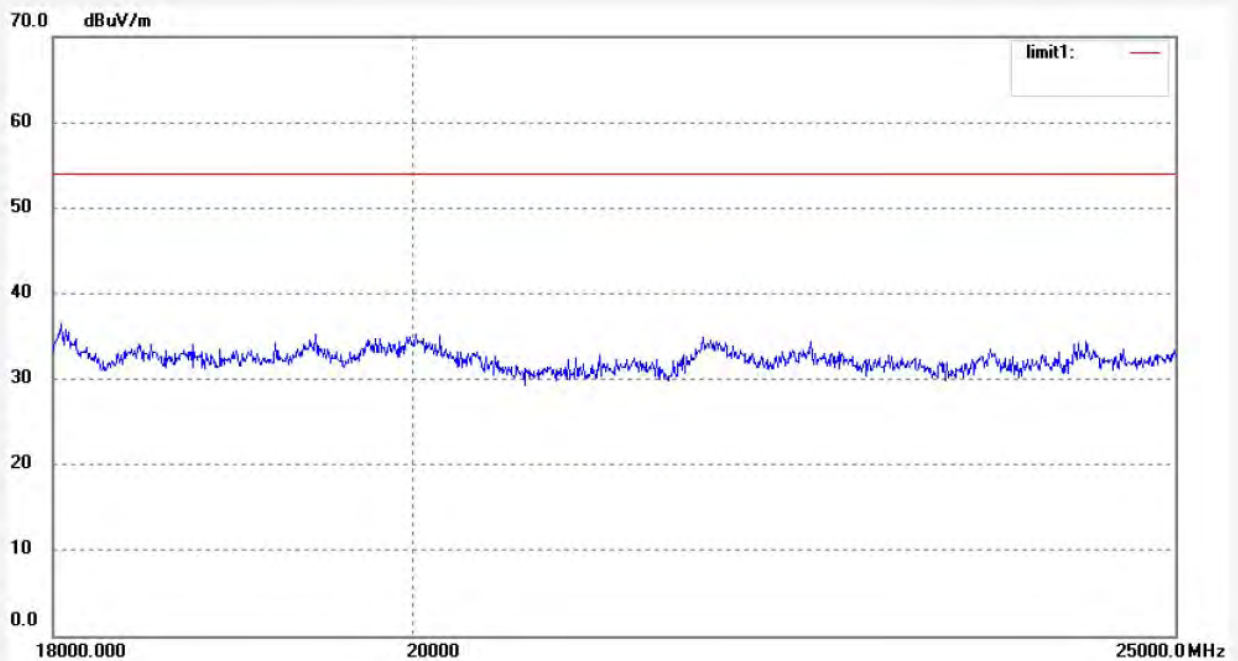
**ACCURATE TECHNOLOGY CO., LTD.**

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 #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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**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 #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			



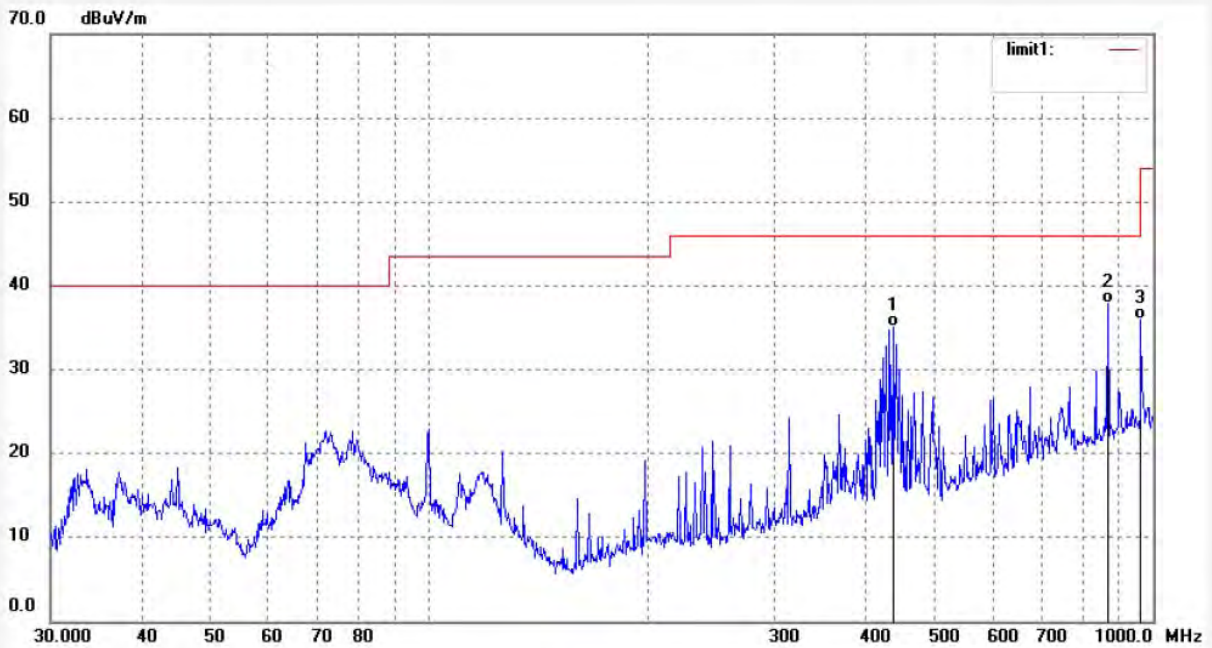
**ACCURATE TECHNOLOGY CO., LTD.**

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 #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			



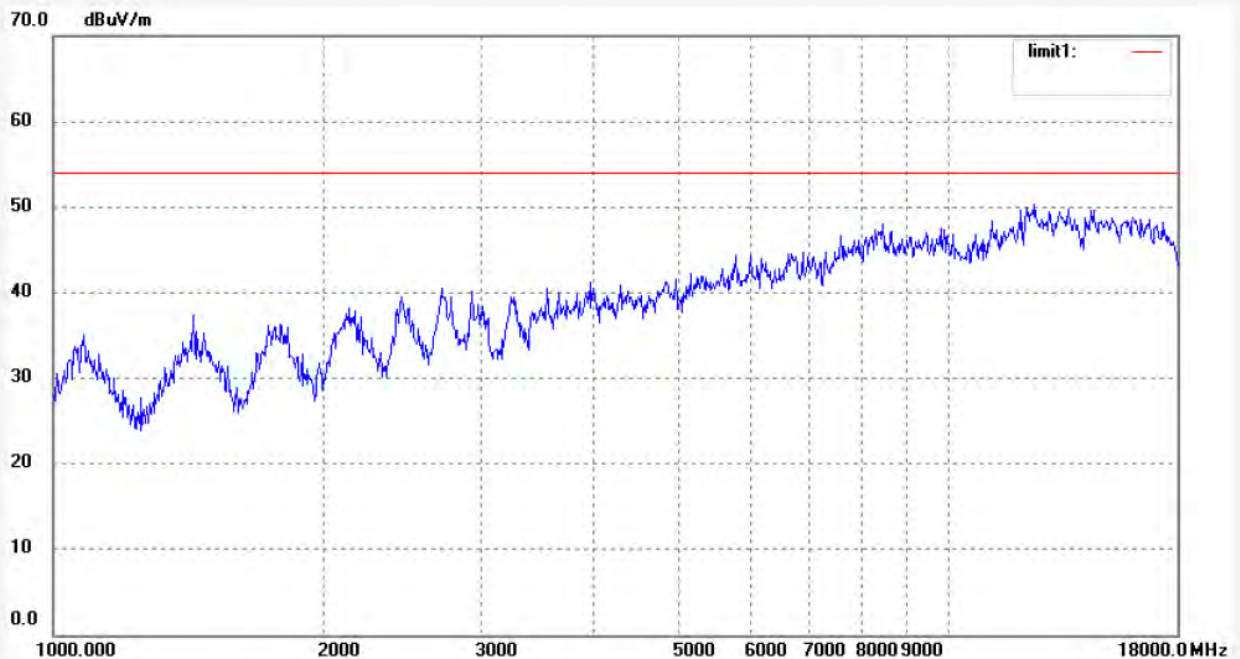
**ACCURATE TECHNOLOGY CO., LTD.**

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

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

Job No.: 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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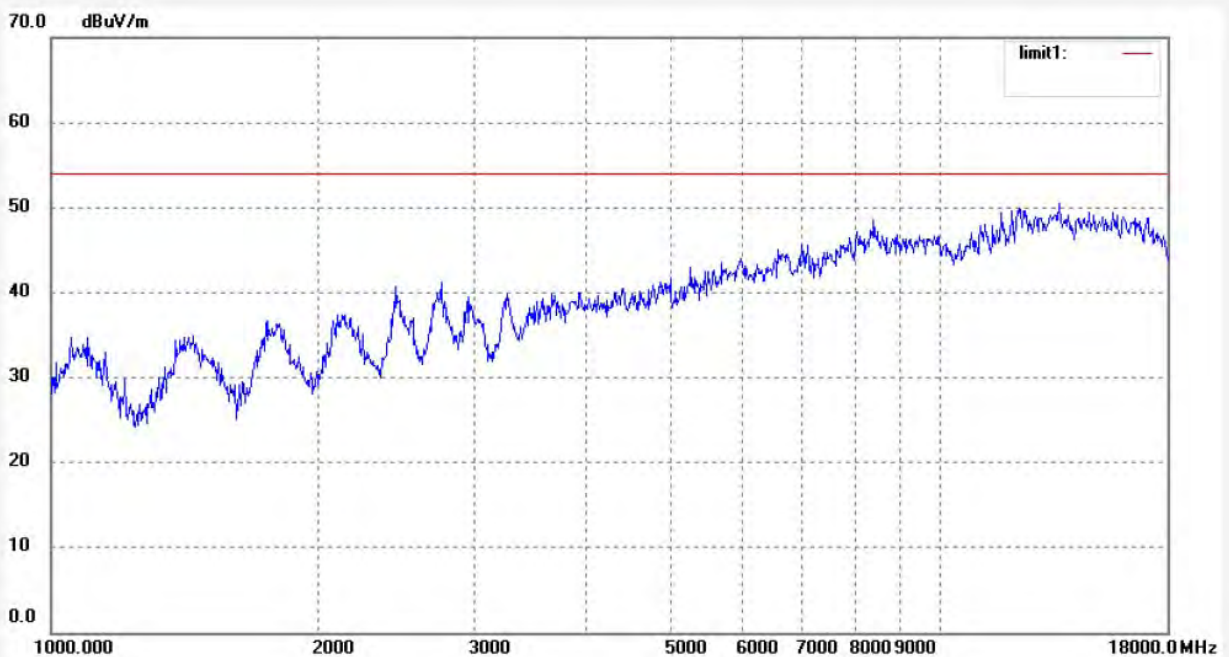
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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: 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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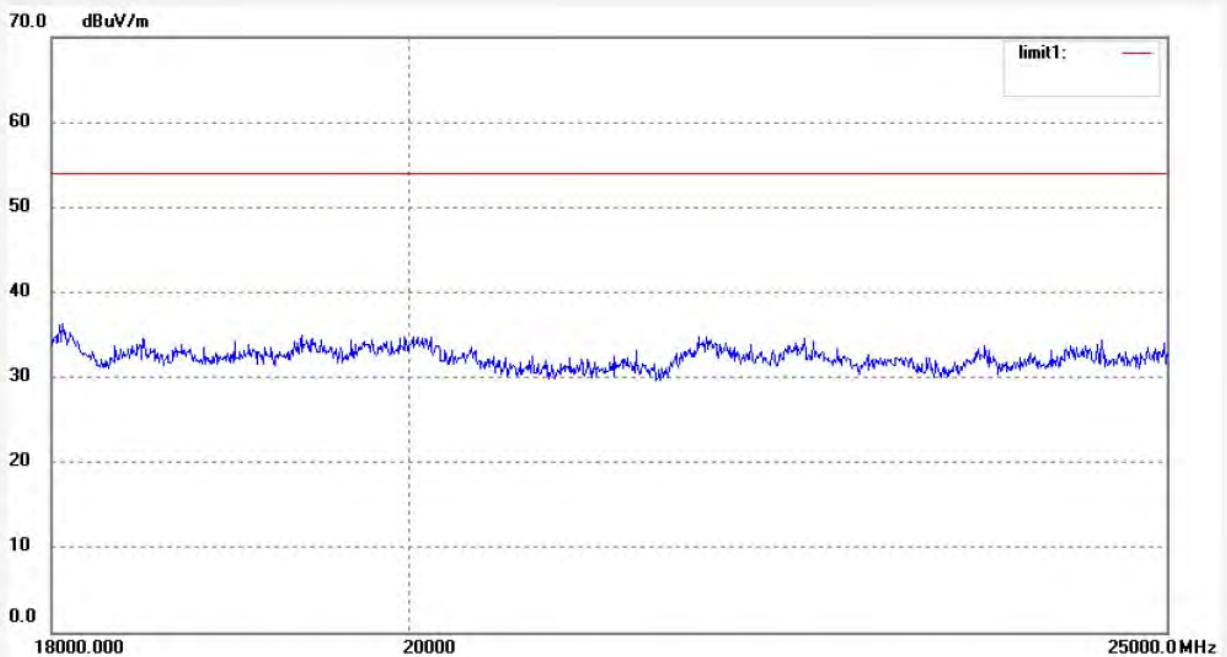
**ACCURATE TECHNOLOGY CO., LTD.**

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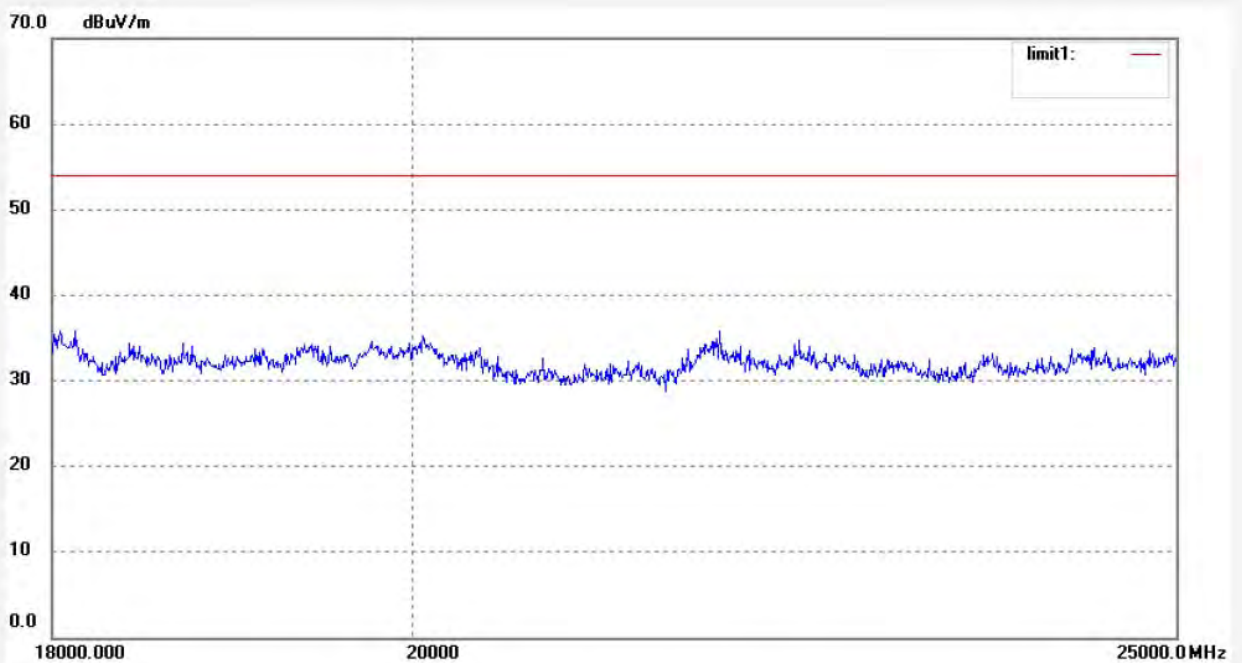
**ACCURATE TECHNOLOGY CO., LTD.**

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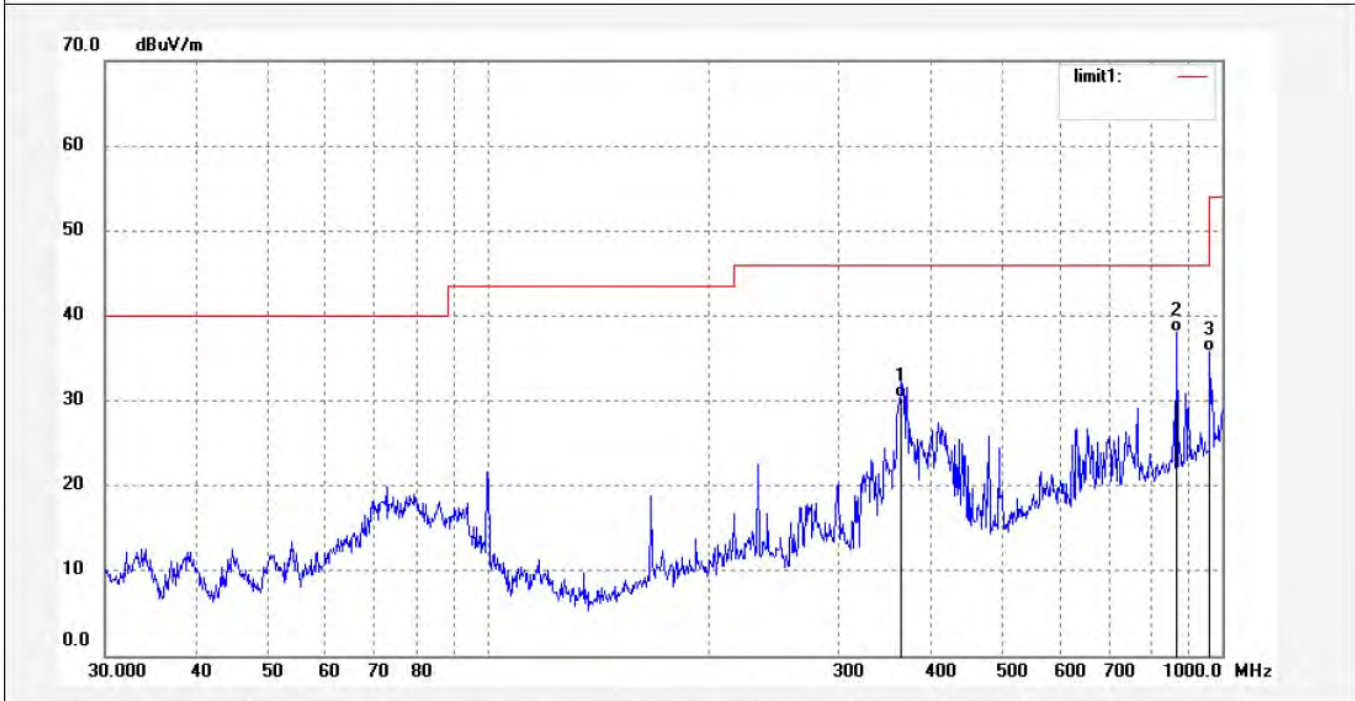
**ACCURATE TECHNOLOGY CO., LTD.**

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 #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			



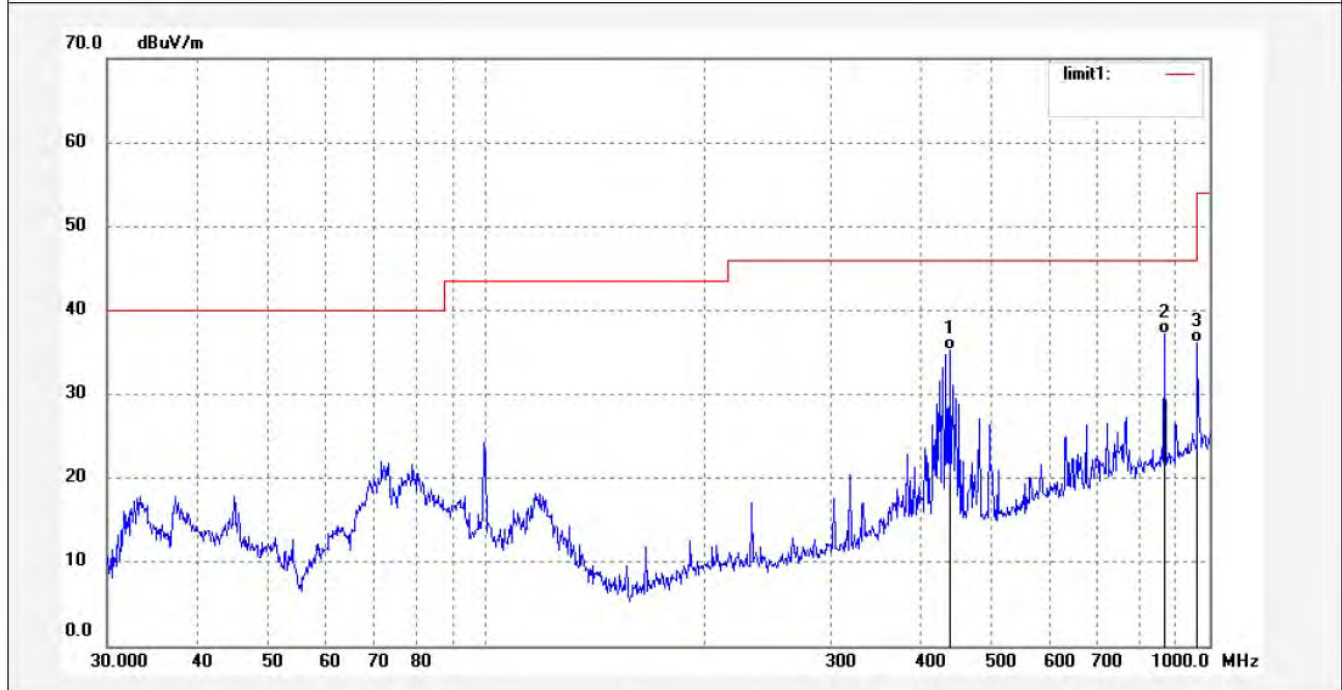
**ACCURATE TECHNOLOGY CO., LTD.**

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 #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			



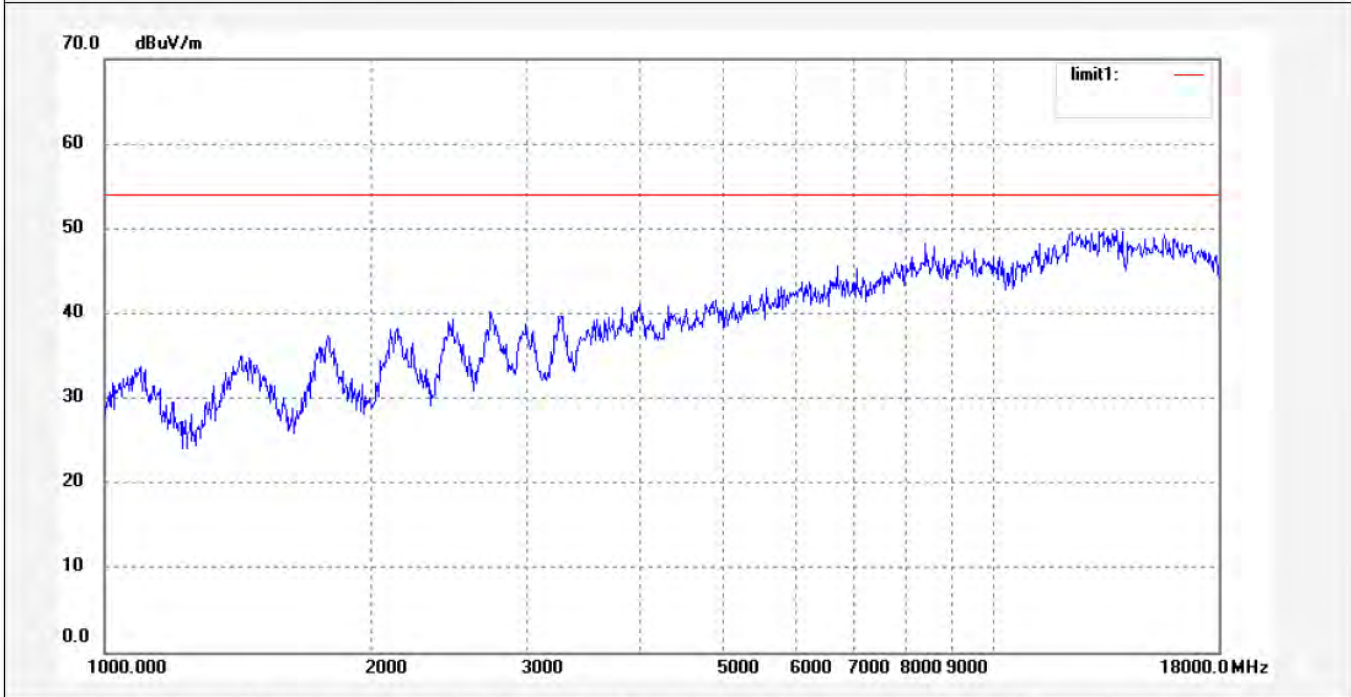
**ACCURATE TECHNOLOGY CO., LTD.**

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

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

Job No.: 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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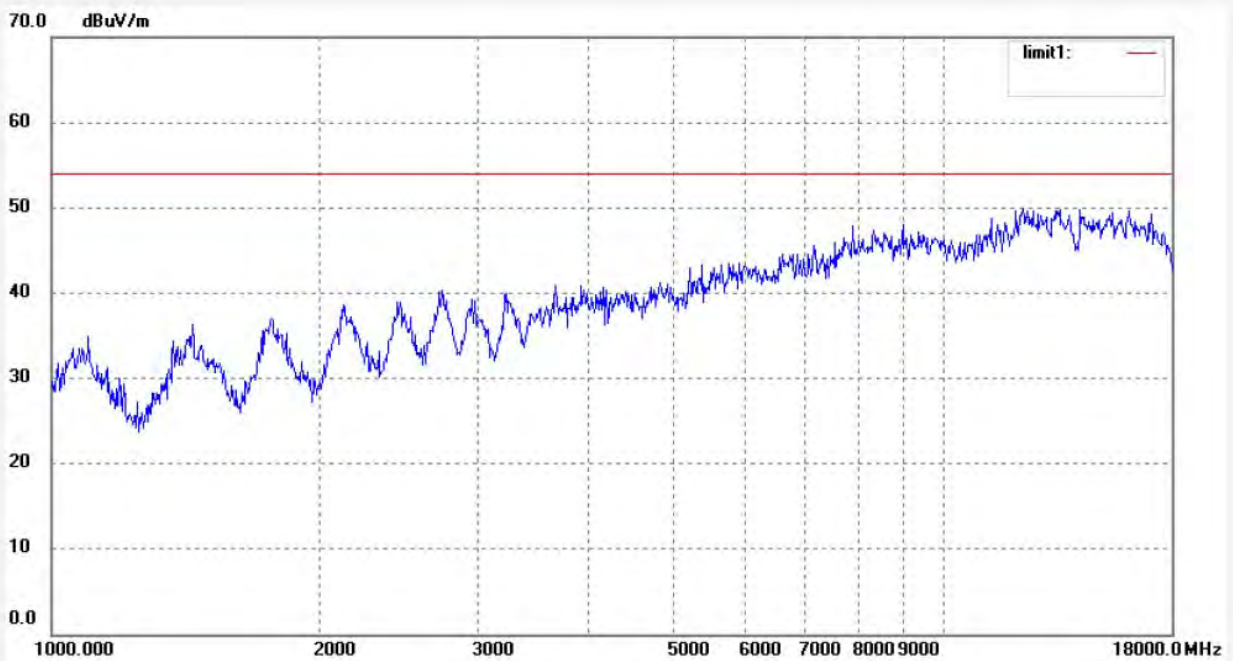
**ACCURATE TECHNOLOGY CO., LTD.**

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

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

Job No.: 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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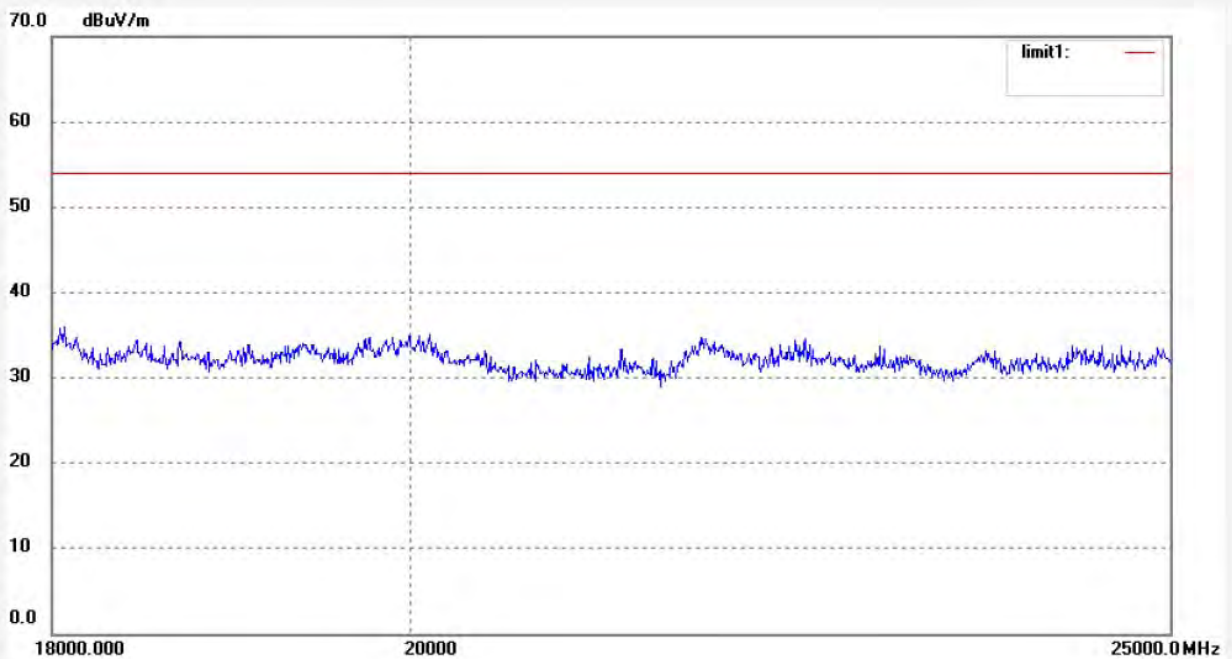
**ACCURATE TECHNOLOGY CO., LTD.**

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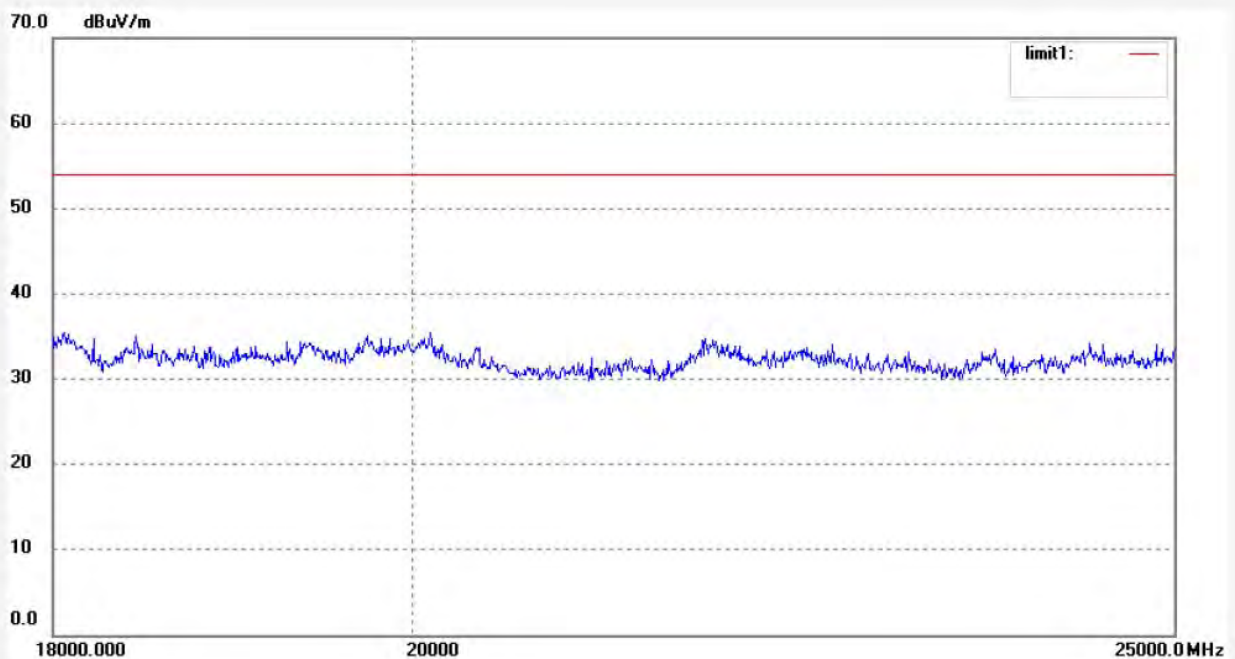
**ACCURATE TECHNOLOGY CO., LTD.**

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 #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

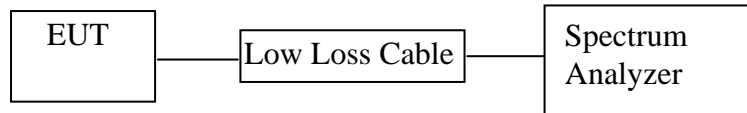


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark



## 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).

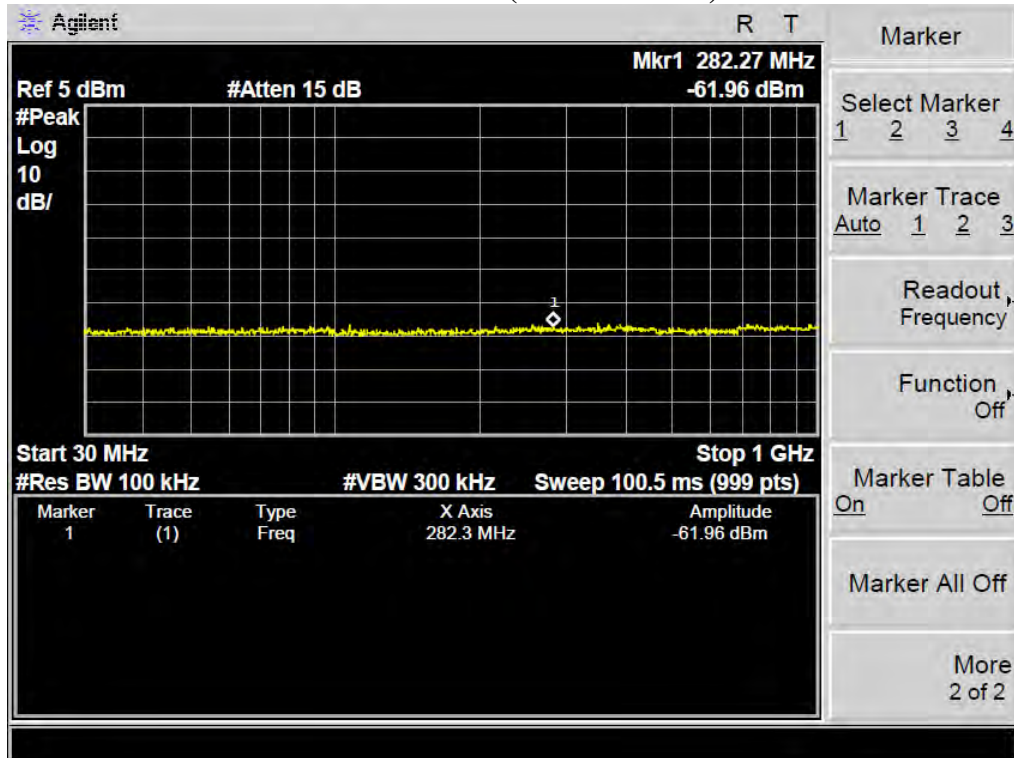
10.5.4. The Conducted Spurious Emission was measured and recorded.

## 10.6. Test Result

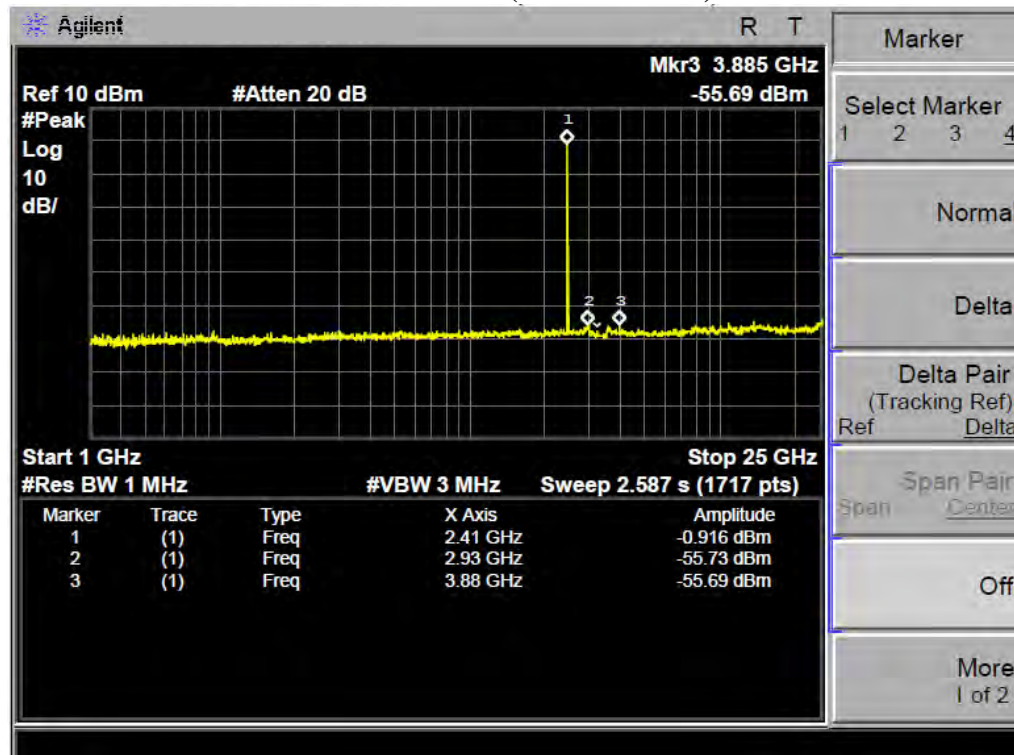
**Pass.**

The spectrum analyzer plots are attached as below.

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

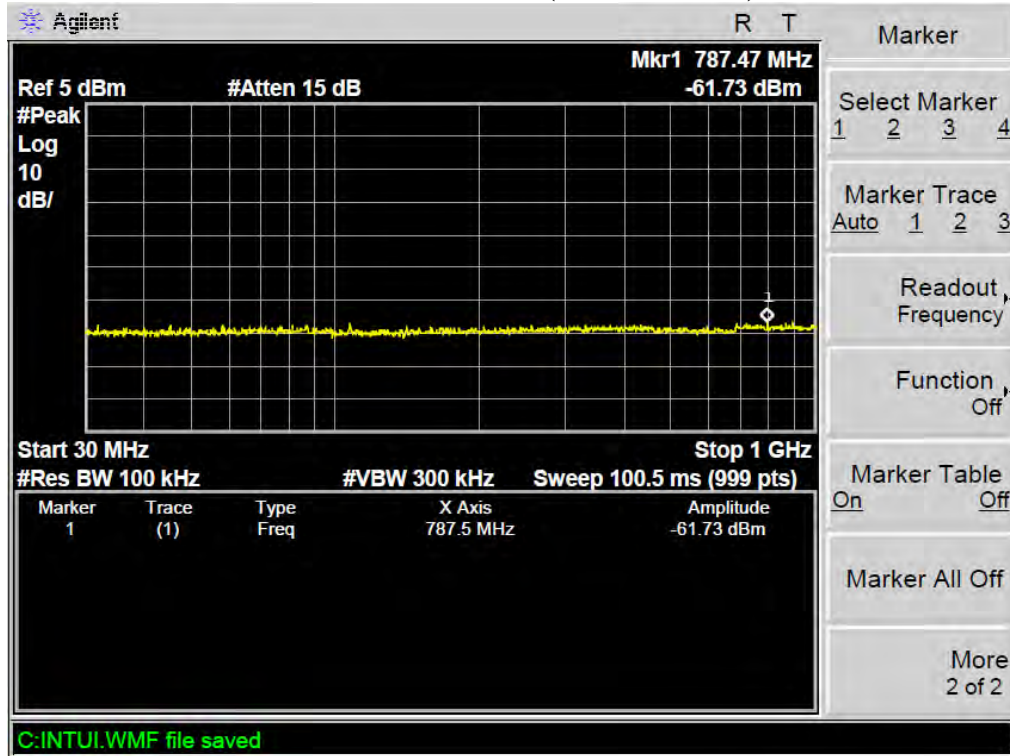


**TX 802.11b Channel Low 2412MHz (1GHz-25GHz)**

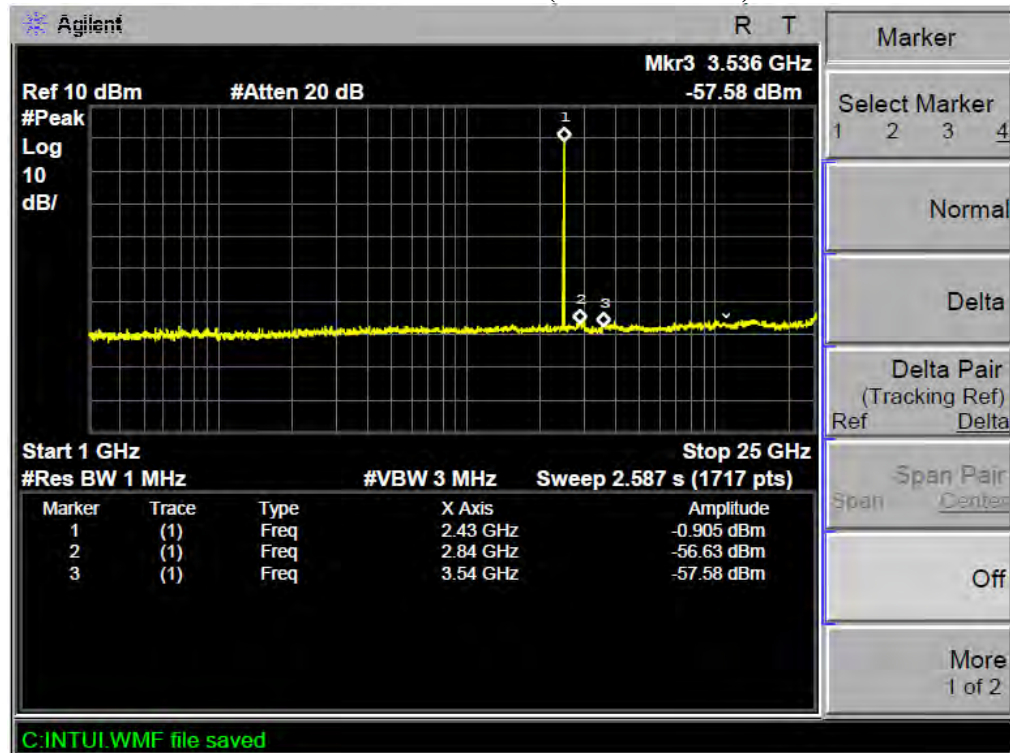




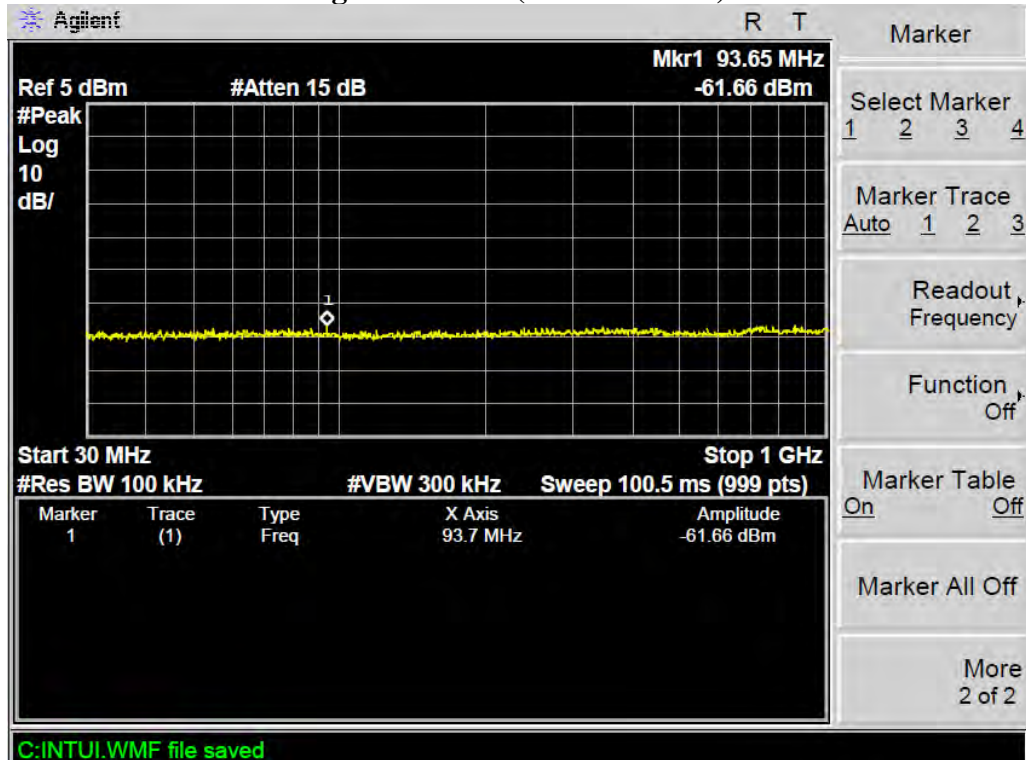
**TX 802.11b Channel Middle 2437MHz (30MHz-1GHz)**



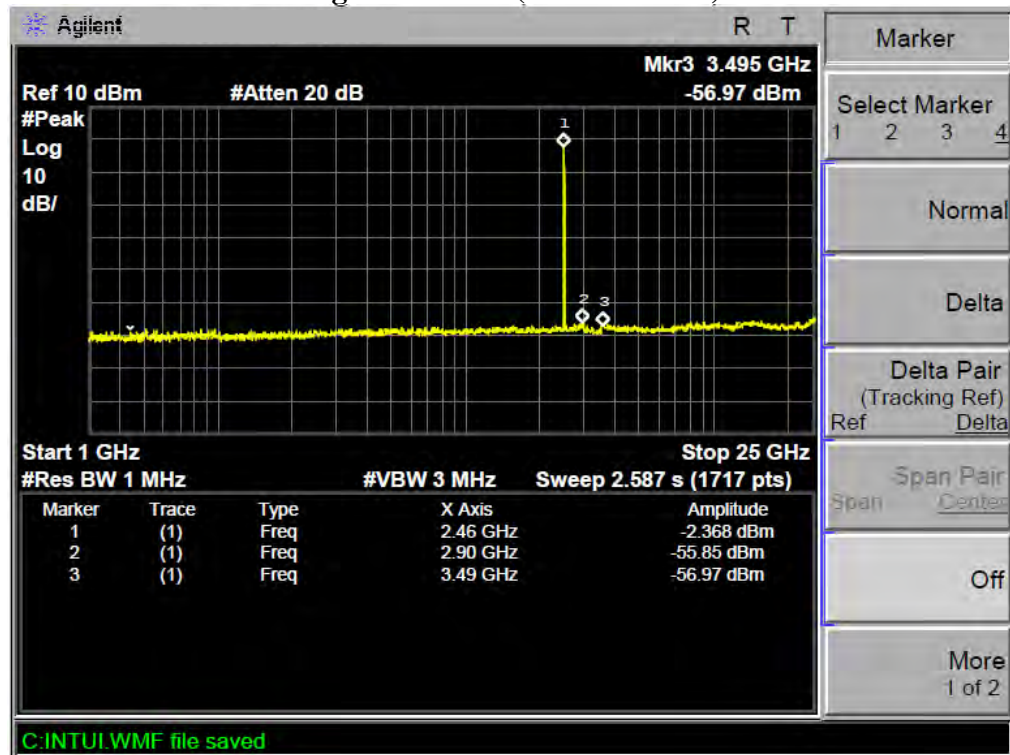
**TX 802.11b Channel Middle 2437MHz (1GHz-25GHz)**



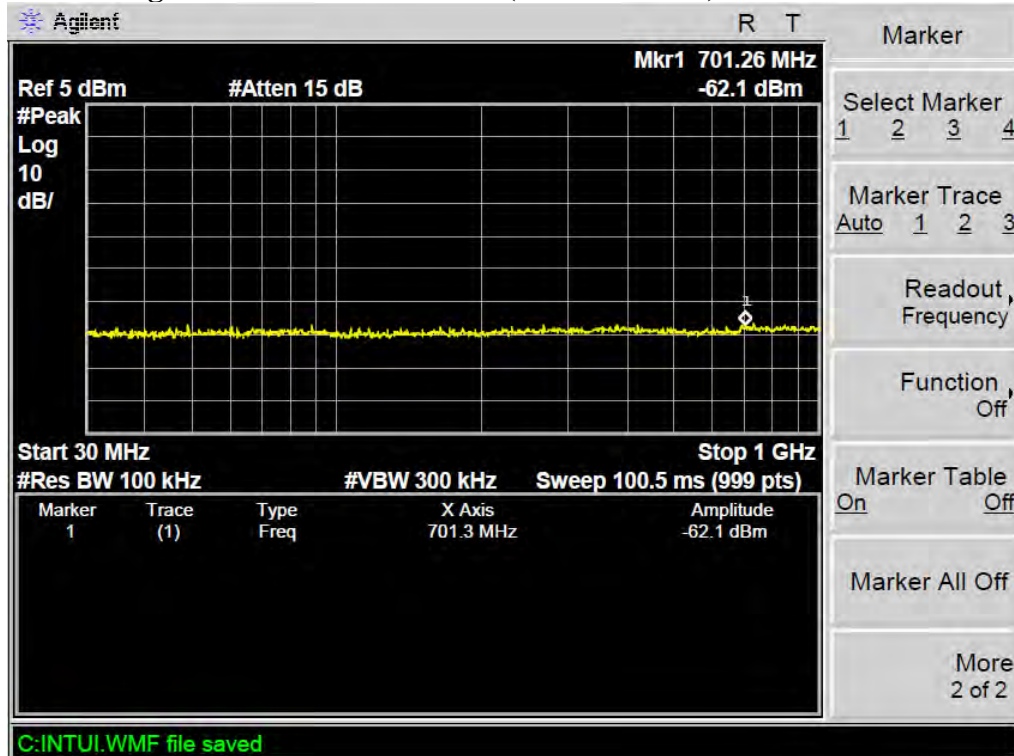
### TX 802.11b Channel High 2462MHz (30MHz-1GHz)



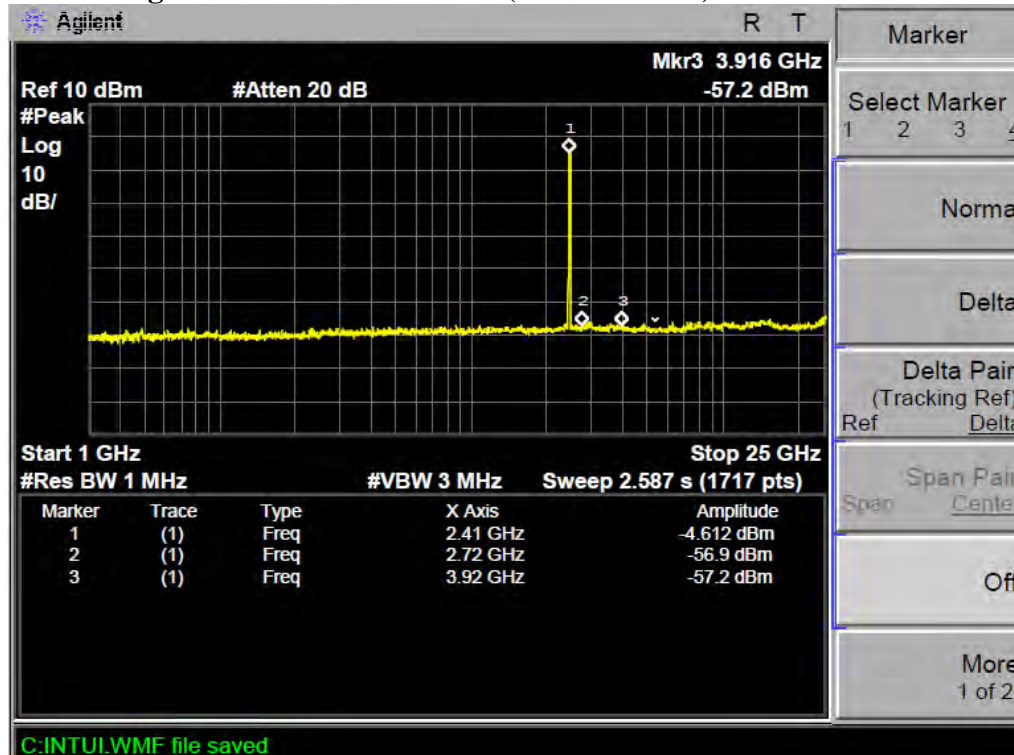
### TX 802.11b Channel High 2462MHz (1GHz-25GHz)



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

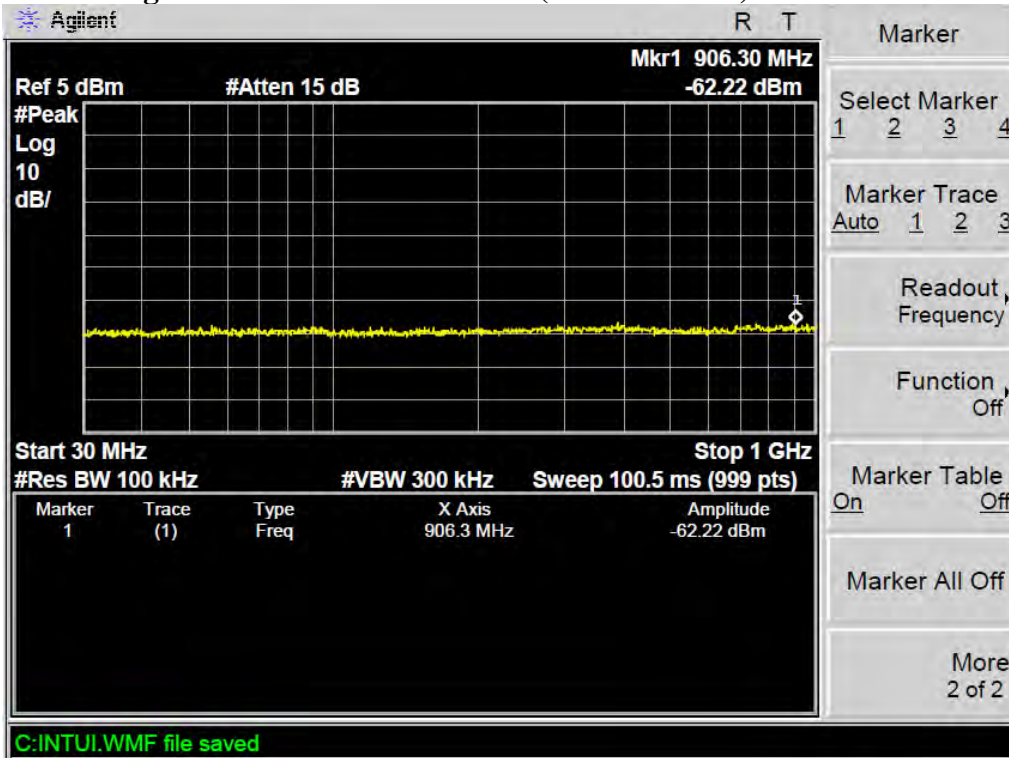


### TX 802.11g Channel Low 2412MHz (1GHz-25GHz)

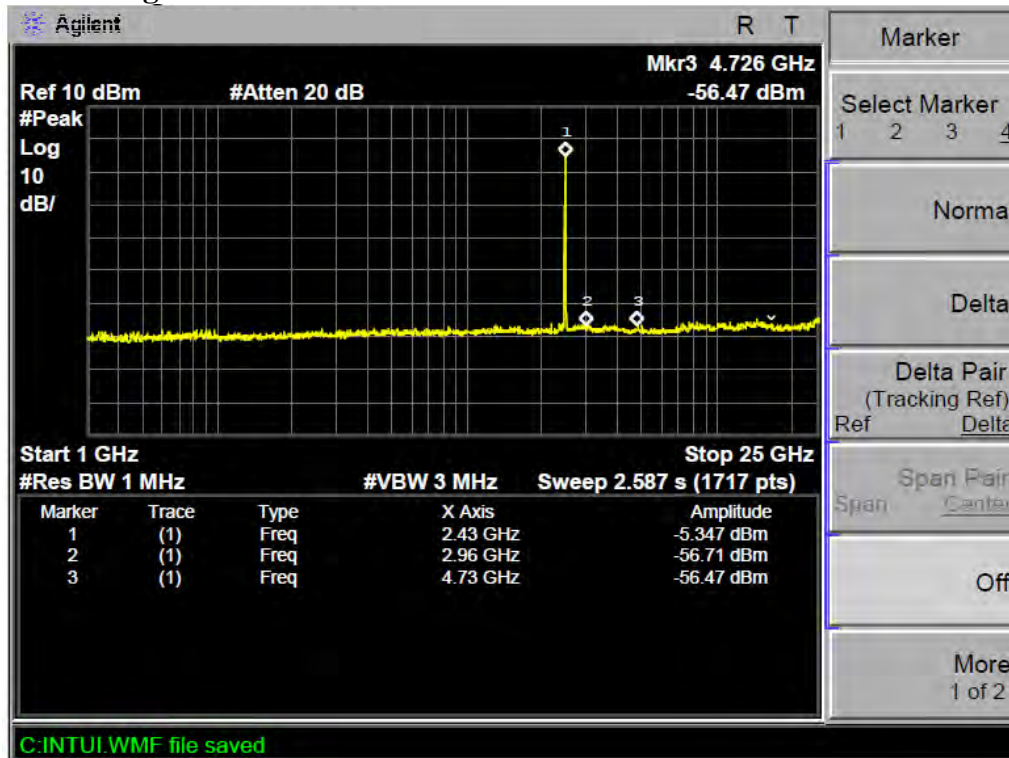




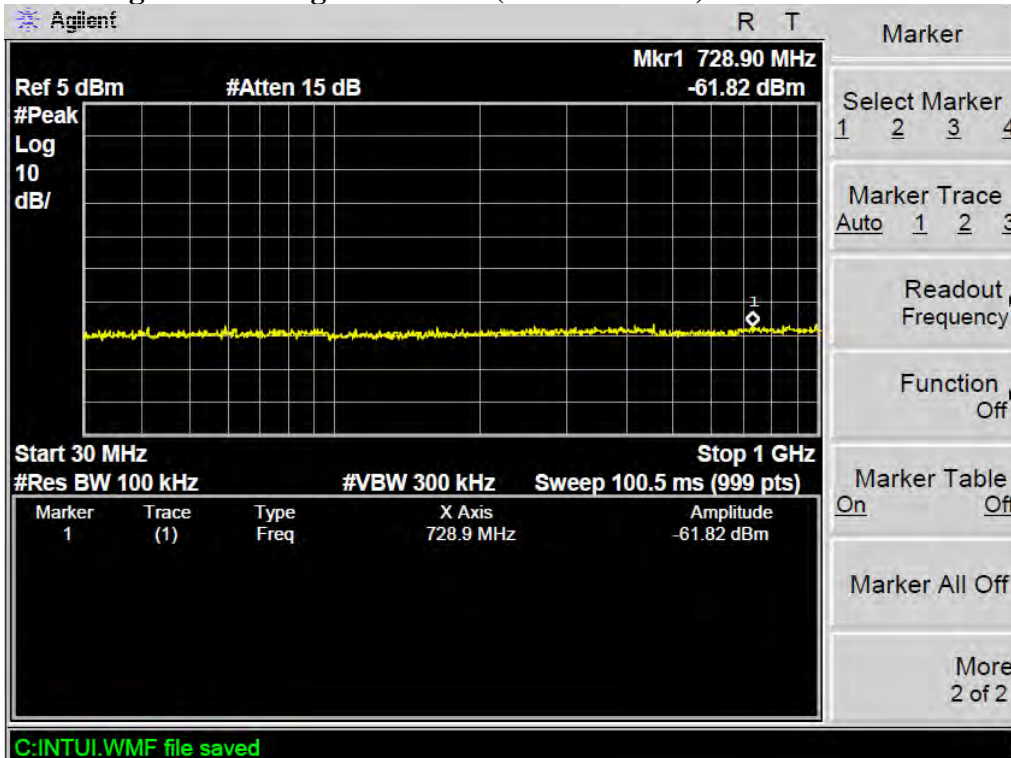
**TX 802.11g Channel Middle 2437MHz (30MHz-1GHz)**



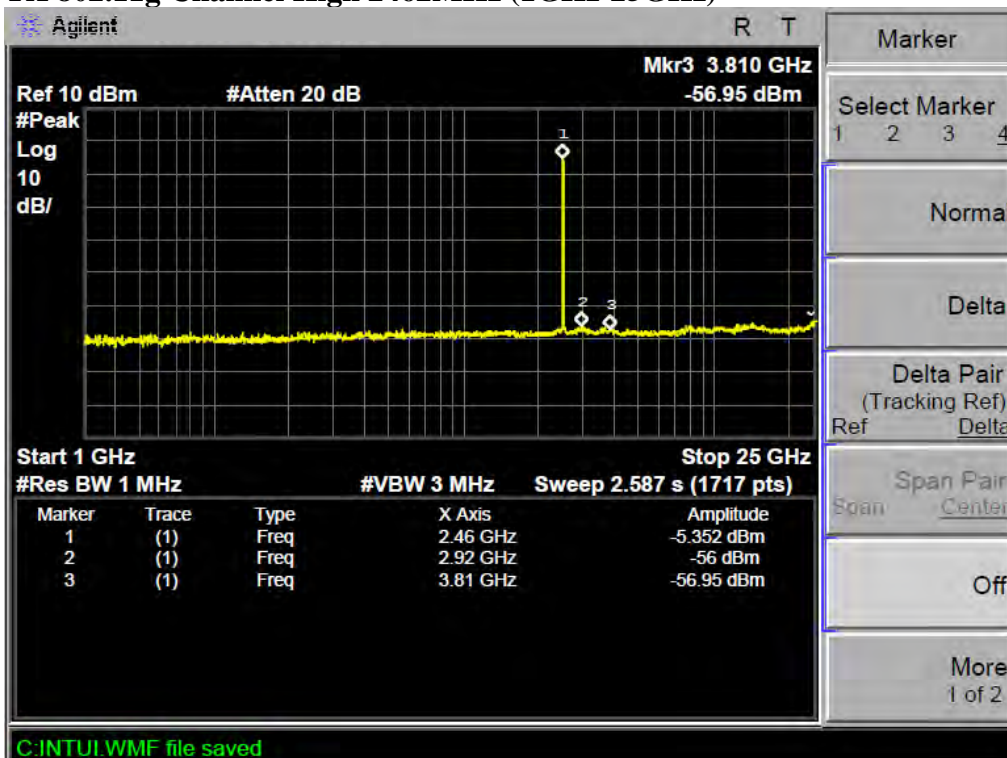
**TX 802.11g Channel Middle 2437MHz**



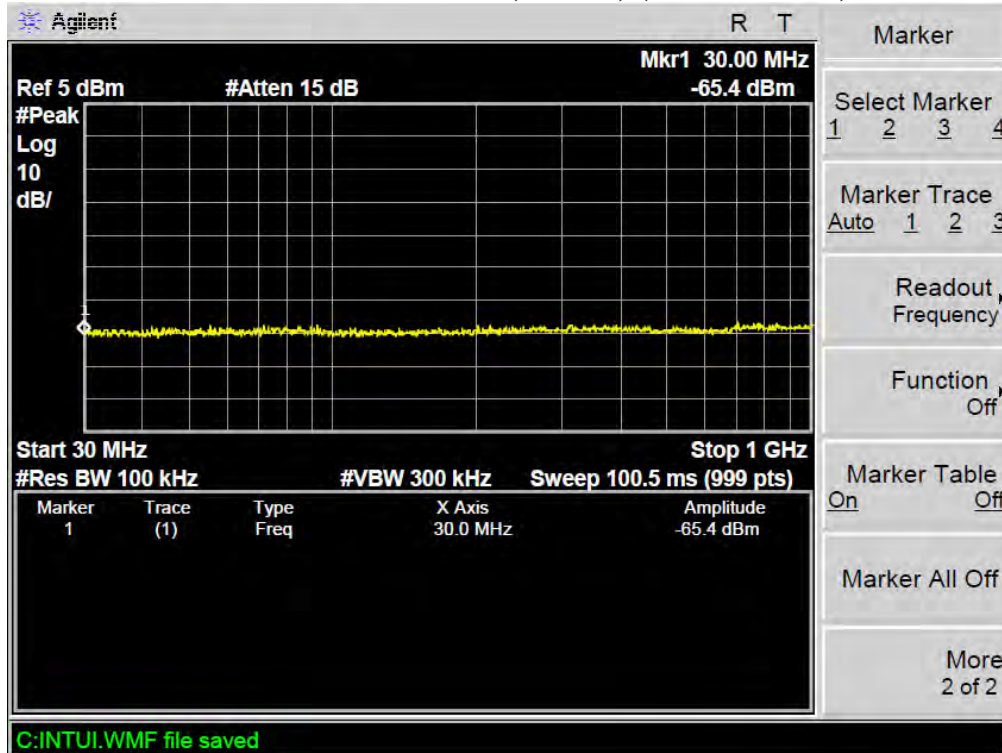
**TX 802.11g Channel High 2462MHz (30MHz-1GHz)**



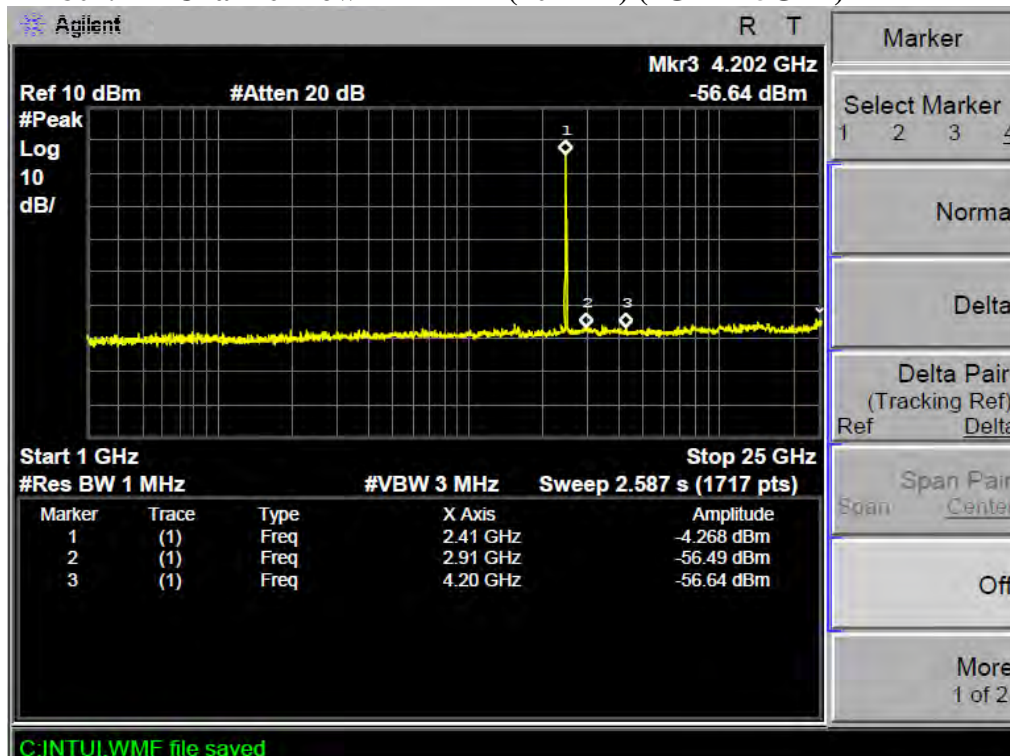
**TX 802.11g Channel High 2462MHz (1GHz-25GHz)**



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

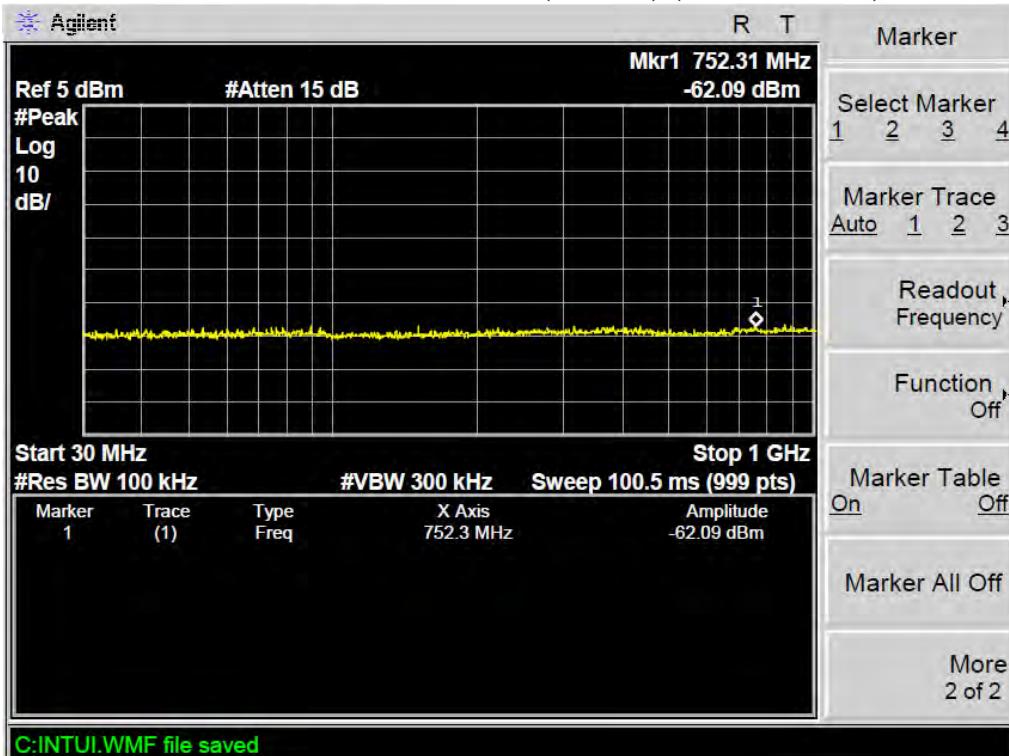


**TX 802.11n Channel Low 2412MHz (20MHz) (1GHz-25GHz)**

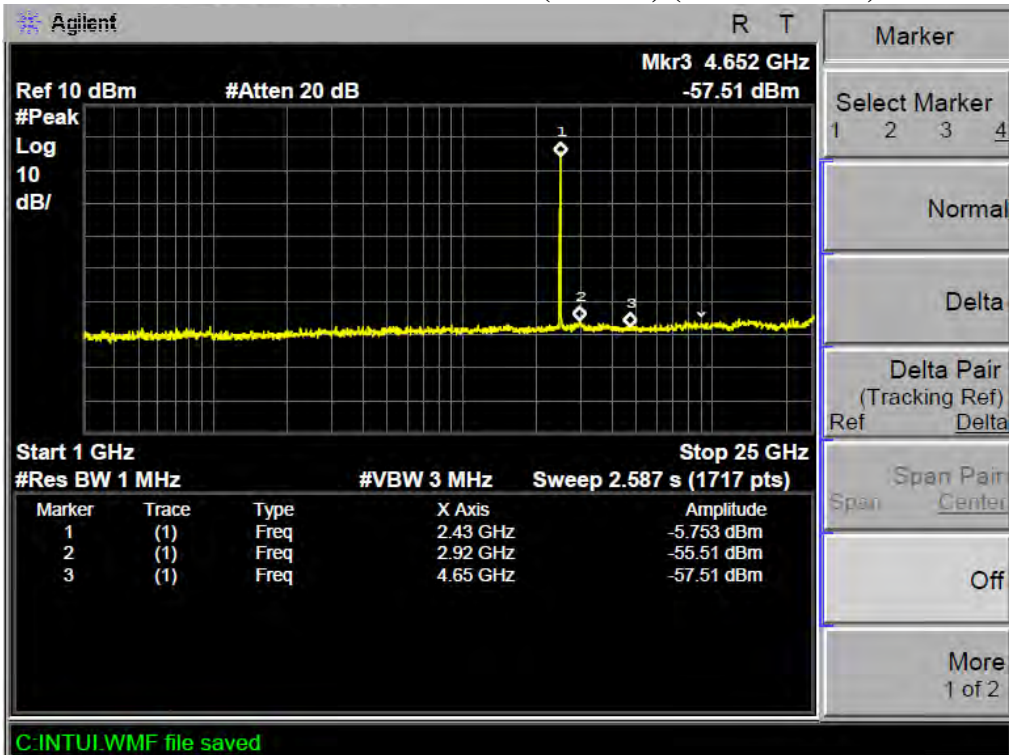




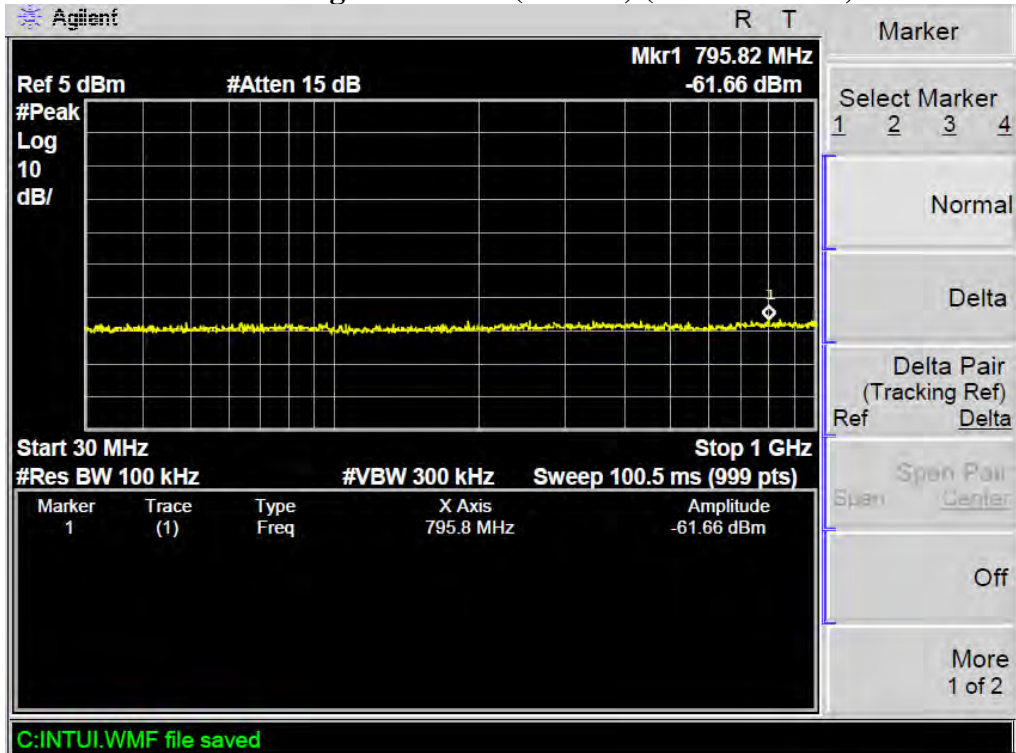
**TX 802.11n Channel Middle 2437MHz (20MHz) (30MHz-1GHz)**



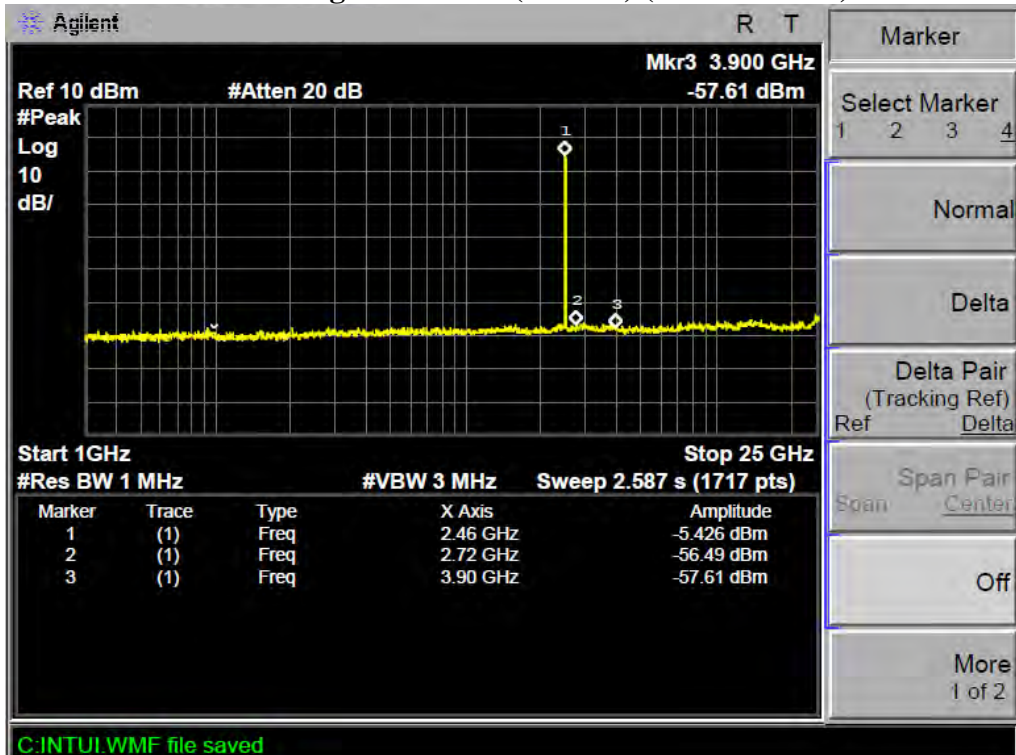
**TX 802.11n Channel Middle 2437MHz (20MHz) (1GHz-25GHz)**



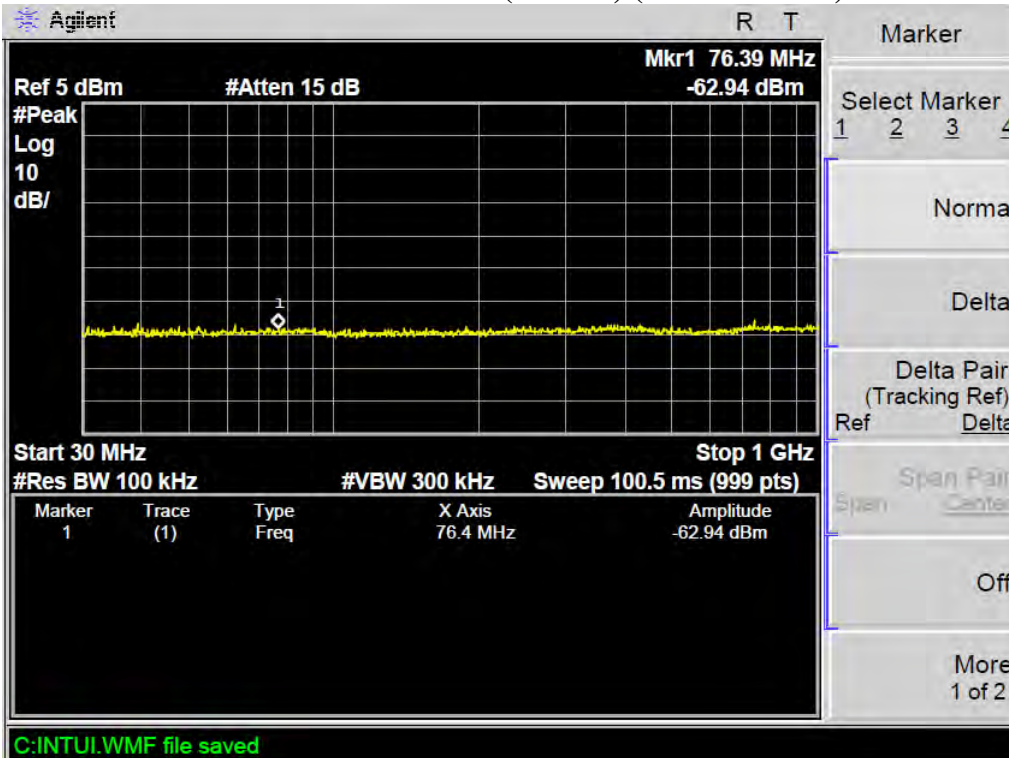
**TX 802.11n Channel High 2462MHz (20MHz) (30MHz-1GHz)**



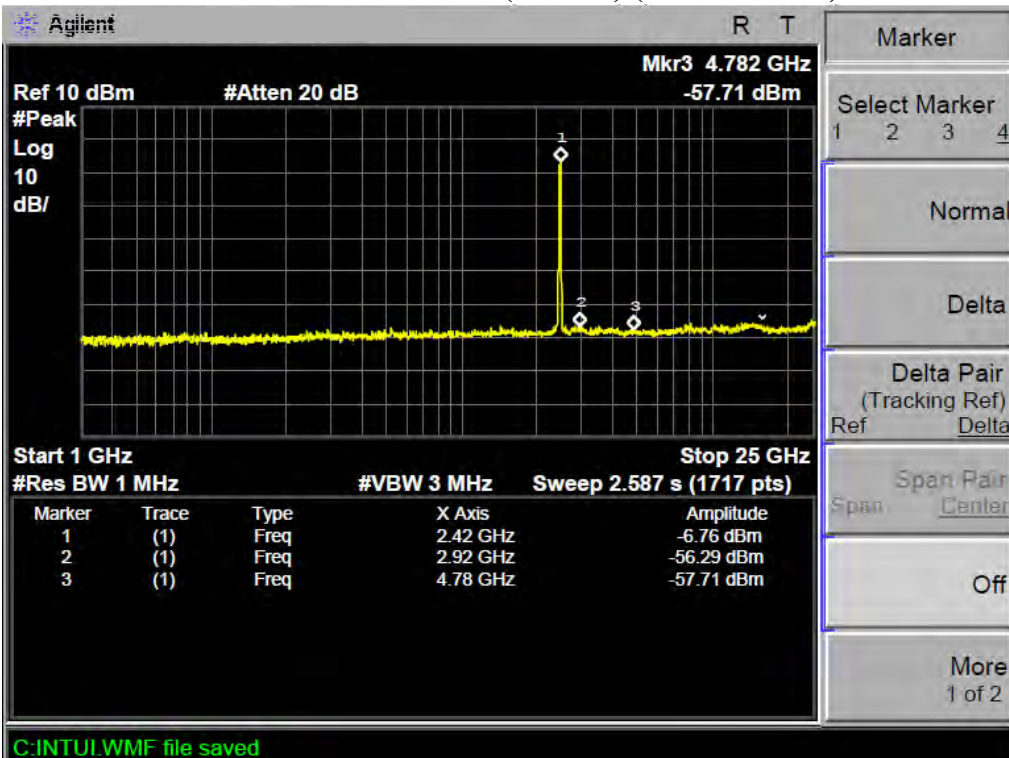
**TX 802.11n Channel High 2462MHz (20MHz) (1GHz-25GHz)**



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

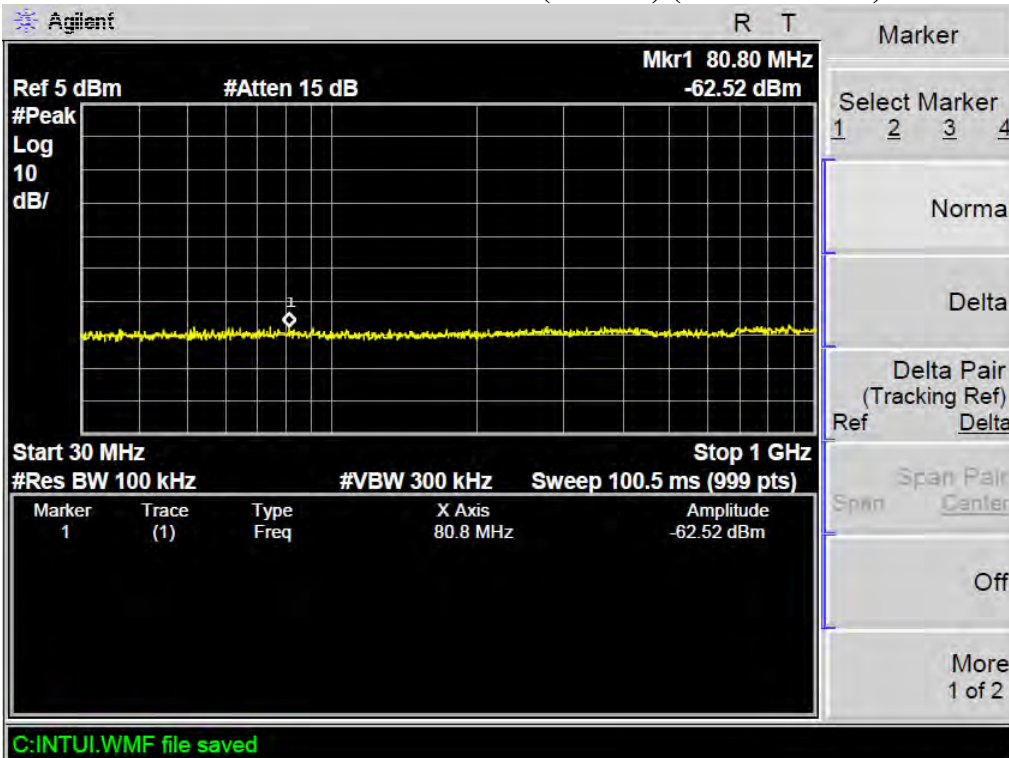


**TX 802.11n Channel Low 2422MHz (40MHz) (1GHz-25GHz)**

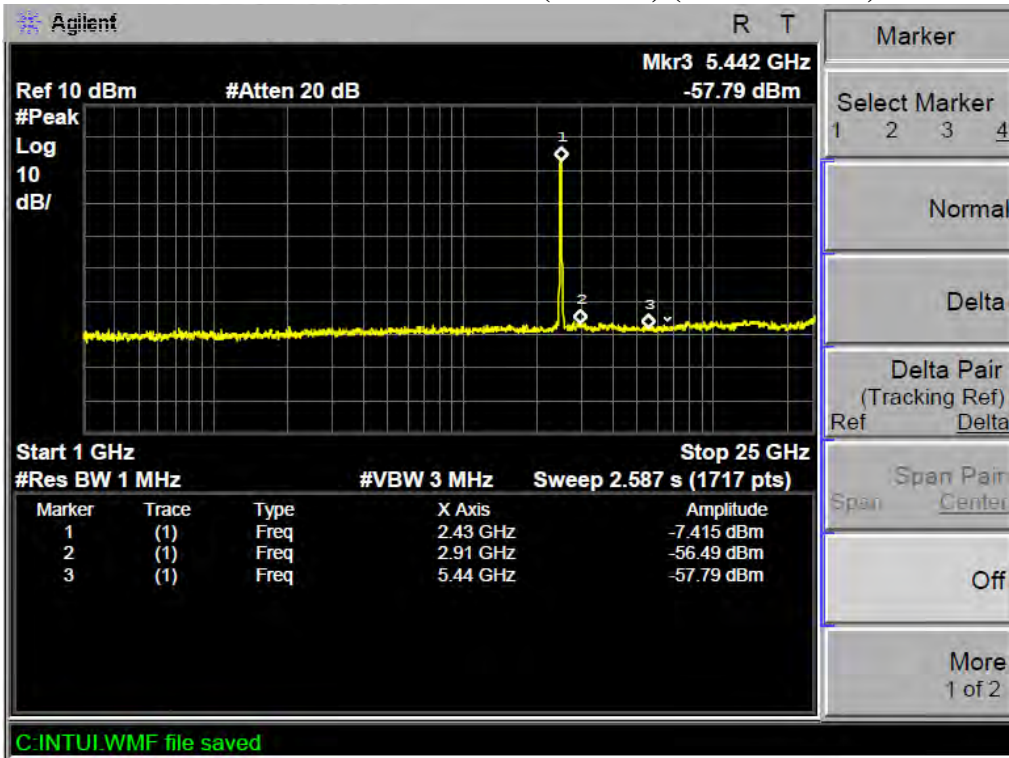




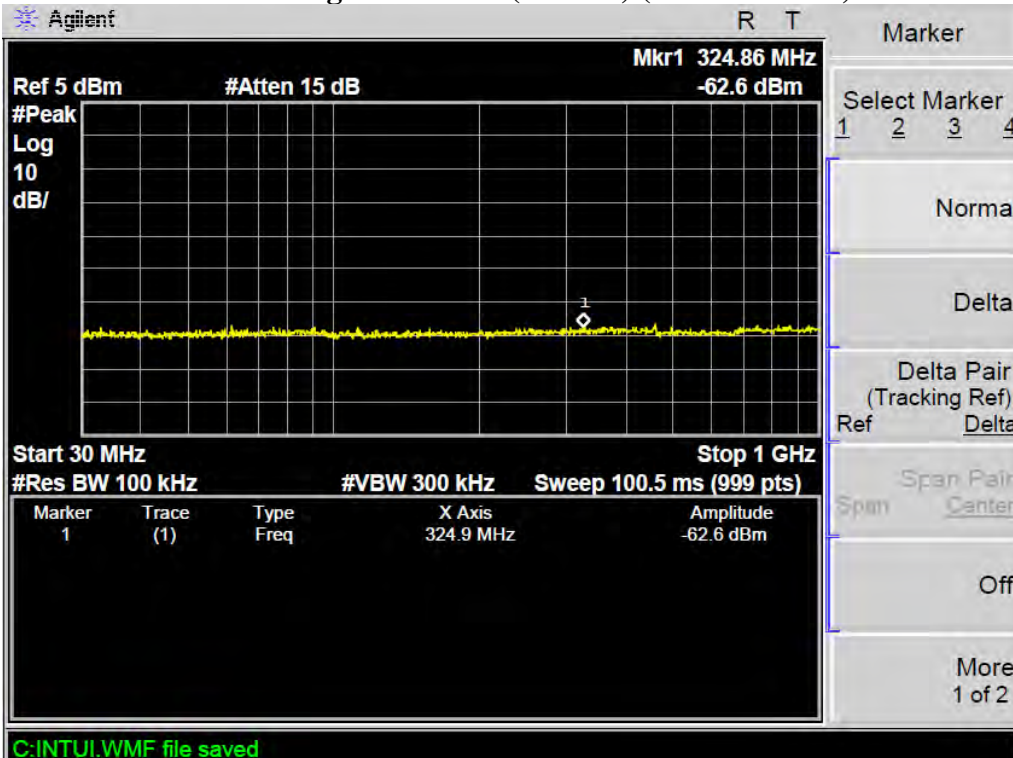
**TX 802.11n Channel Middle 2437MHz (40MHz) (30MHz-1GHz)**



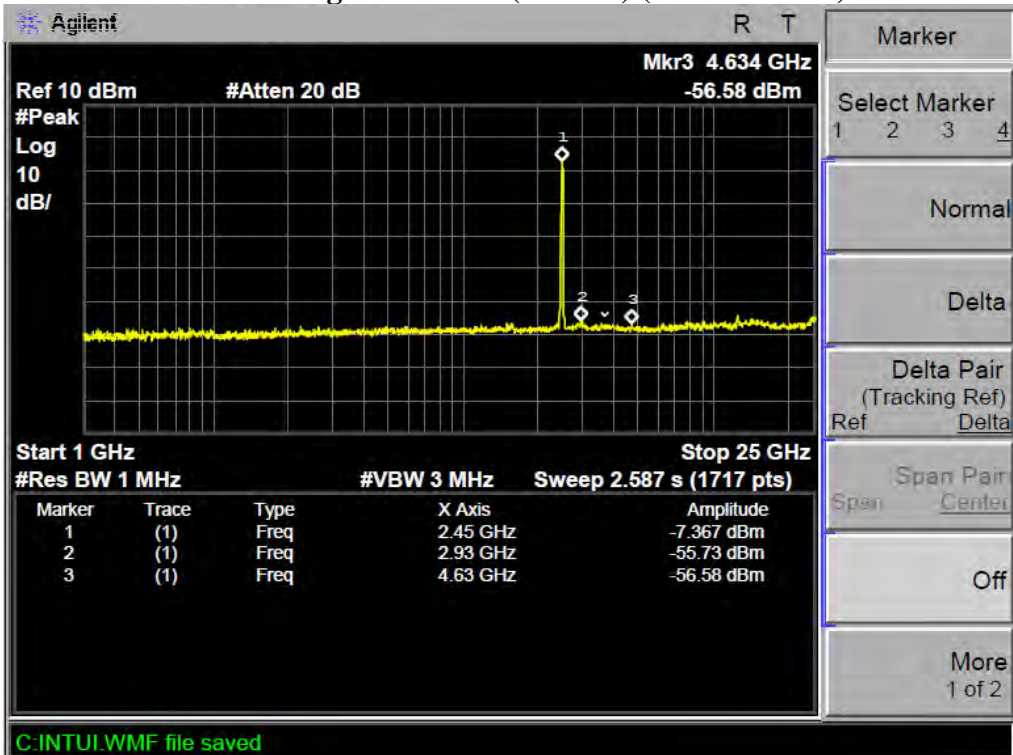
**TX 802.11n Channel Middle 2437MHz (40MHz) (1GHz-25GHz)**



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



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

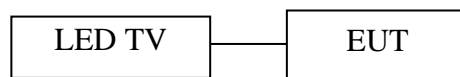


# 11.AC POWER LINE CONDUCTED EMISSION FOR FCC PART

## 15 SECTION 15.207(A)

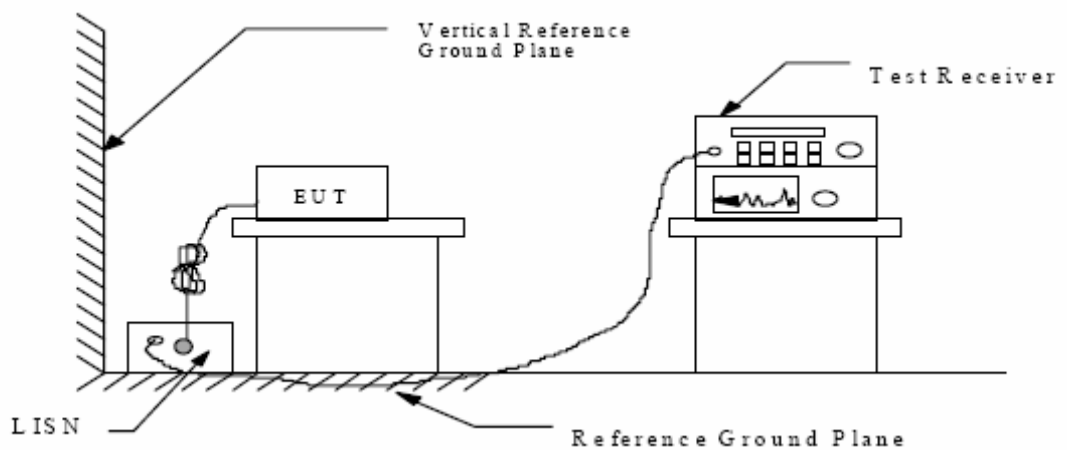
### 11.1.Block Diagram of Test Setup

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

Frequency (MHz)	Result (dB $\mu$ V)	Limit (dB $\mu$ 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.

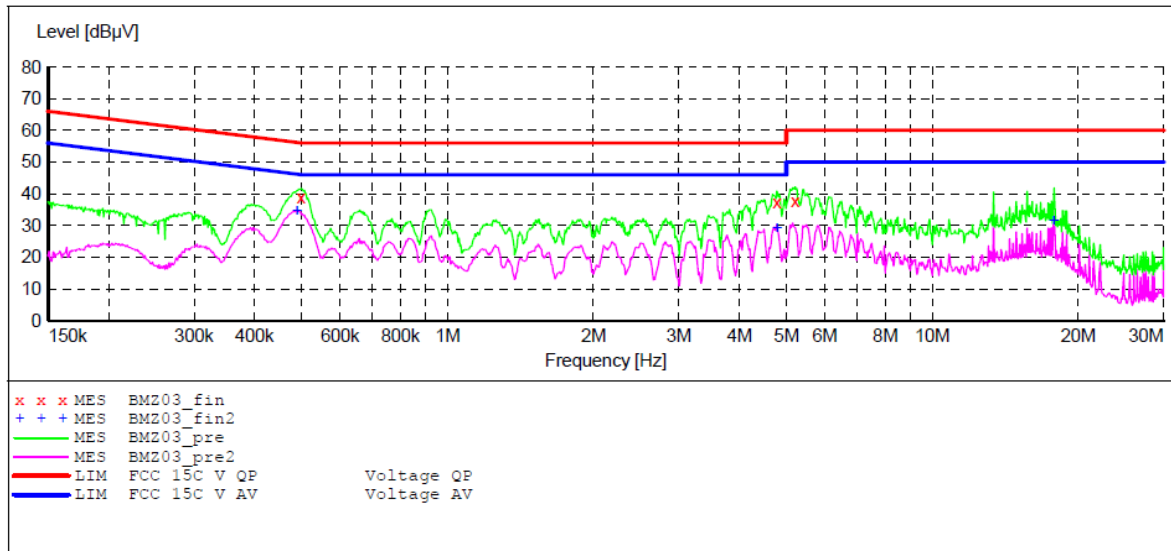
**ACCURATE TECHNOLOGY CO.,LTD**

**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"**

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
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 dBµV	Transd dB	Limit dBµV	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 dBµV	Transd dB	Limit dBµV	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



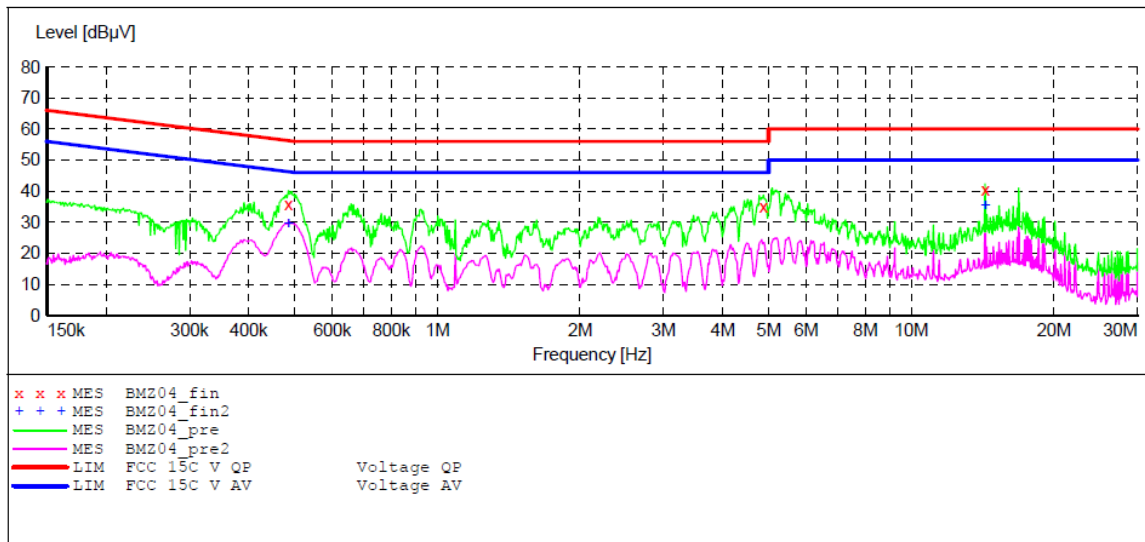
**ACCURATE TECHNOLOGY CO.,LTD**

**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 dBuV	Transd dB	Limit dBuV	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 dBuV	Transd dB	Limit dBuV	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

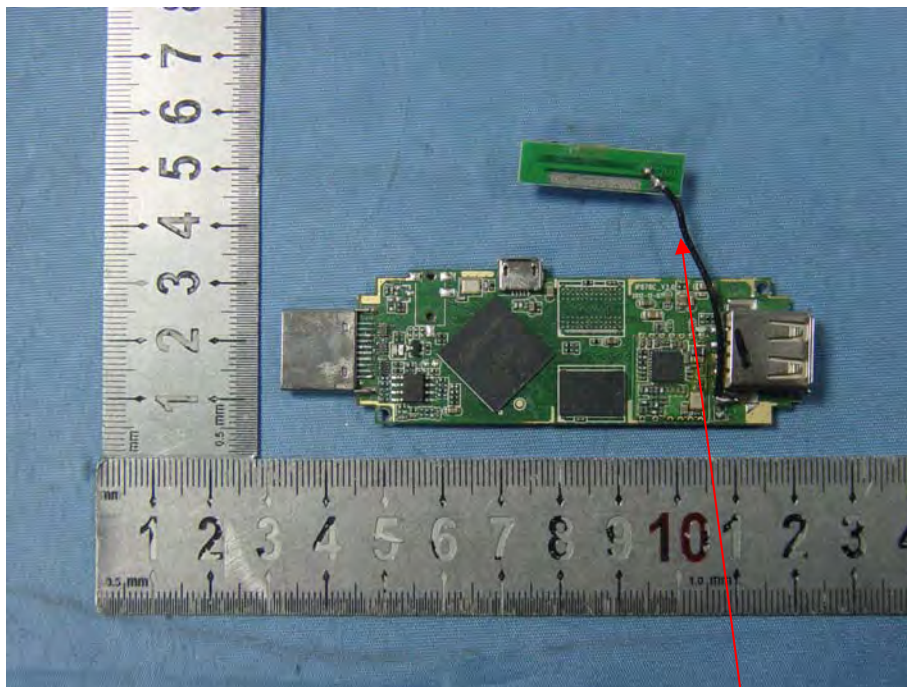
## 12. ANTENNA REQUIREMENT

### 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.



Antenna