



ACCURATE TECHNOLOGY CO., LTD.

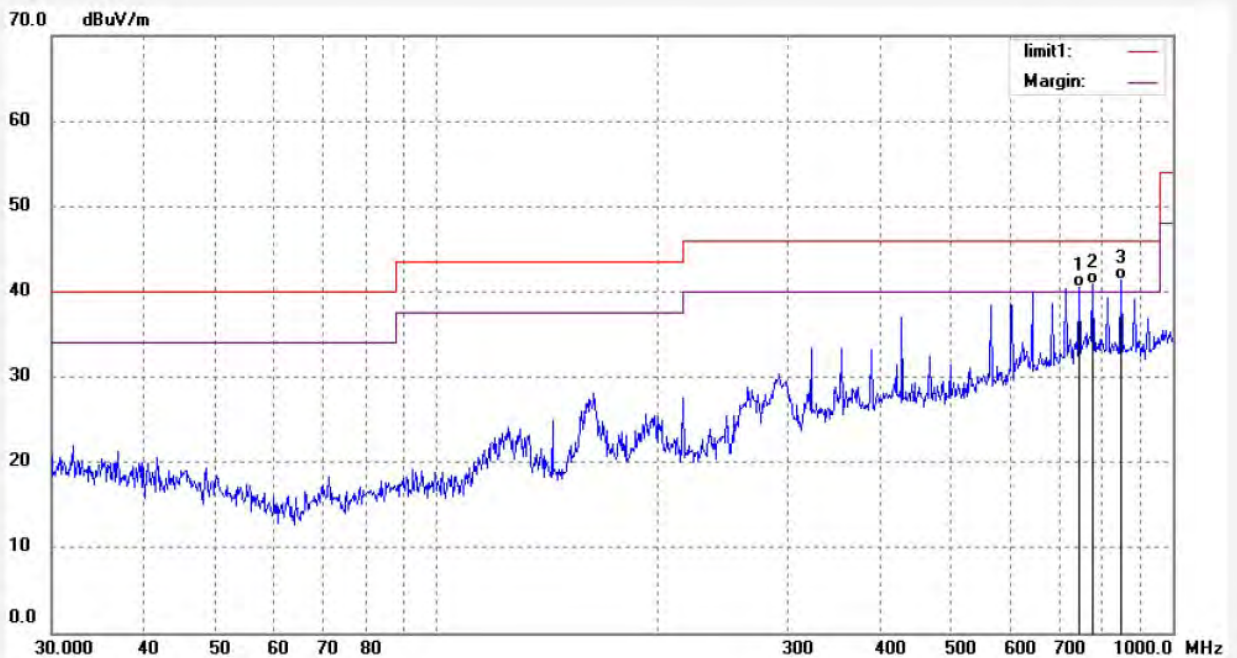
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1938
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: TV BOX
Mode: TX Channel 11(802.11g)
Model: IS-TV1200K
Manufacturer: SWAGTEK

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 12/06/28/
Time: 11/05/16
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20121277



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	747.0467	12.99	27.57	40.56	46.00	-5.44	QP			
2	779.2179	13.02	27.83	40.85	46.00	-5.15	QP			
3	850.7603	13.03	28.36	41.39	46.00	-4.61	QP			



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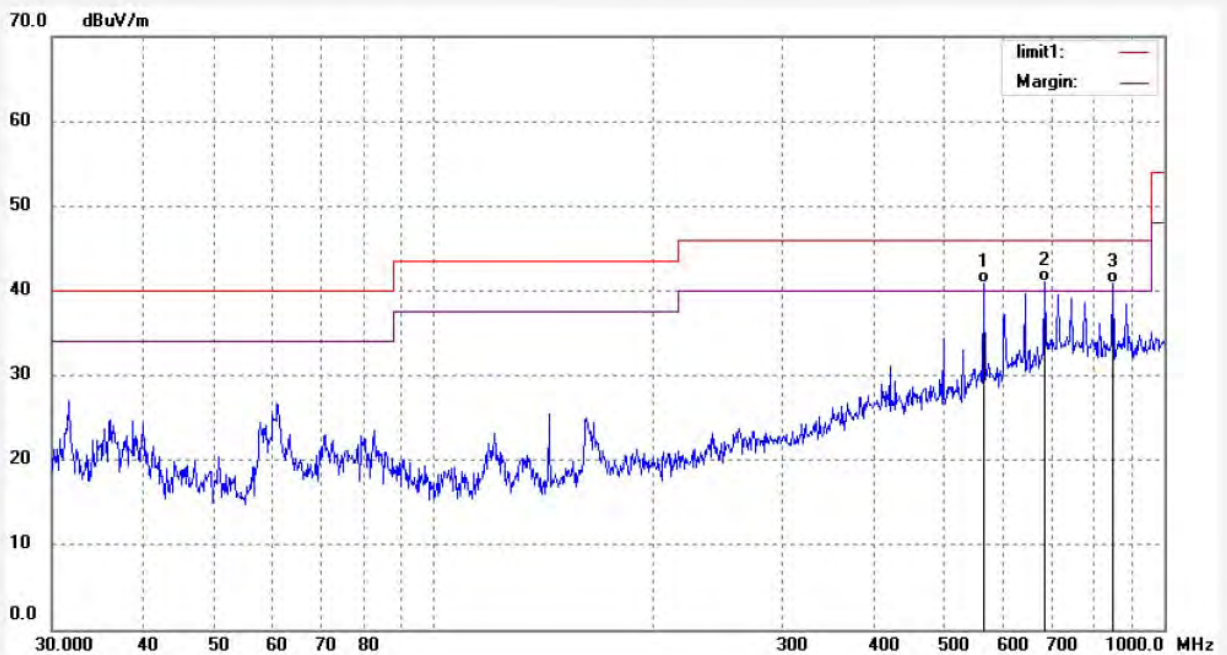
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1939
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: TV BOX
Mode: TX Channel 11(802.11g)
Model: IS-TV1200K
Manufacturer: SWAGTEK

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 12/06/28/
Time: 11/08/46
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20121277



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	565.9776	15.66	25.27	40.93	46.00	-5.07	QP			
2	686.6342	14.60	26.37	40.97	46.00	-5.03	QP			
3	850.7603	12.50	28.36	40.86	46.00	-5.14	QP			



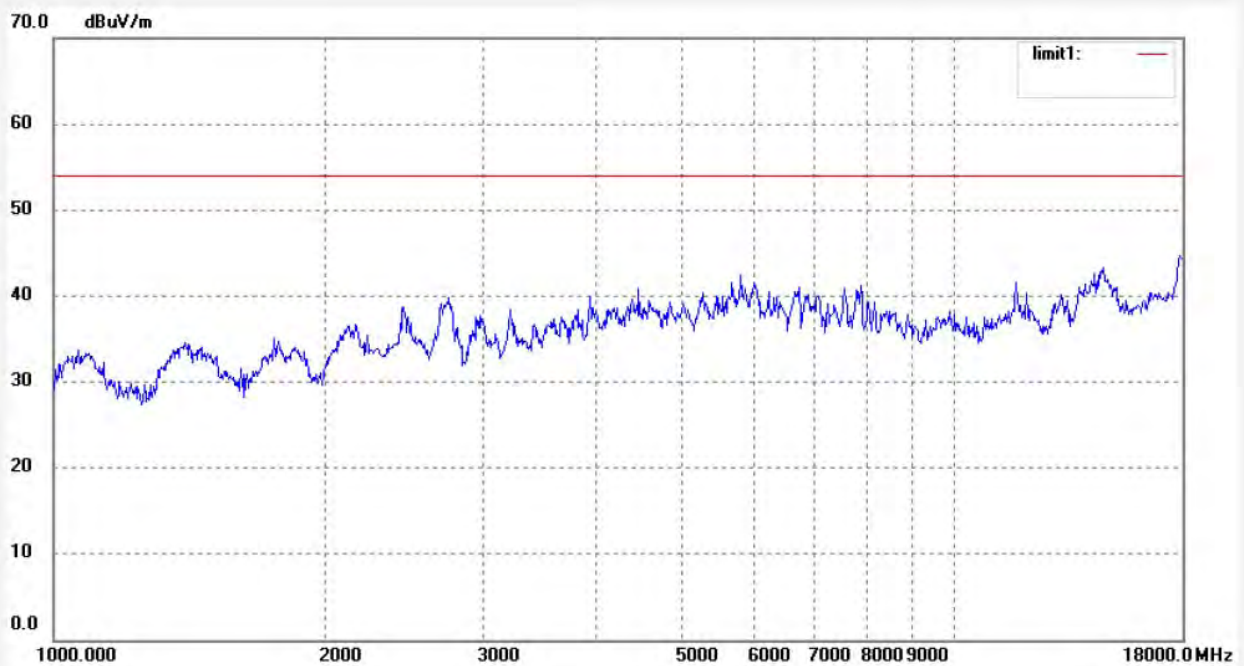
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2578	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/29/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 12:18:54
EUT: TV BOX	Engineer Signature: Bob
Mode: TX Channel 11 (802.11g)	Distance: 3m
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report No.:ATE20121277



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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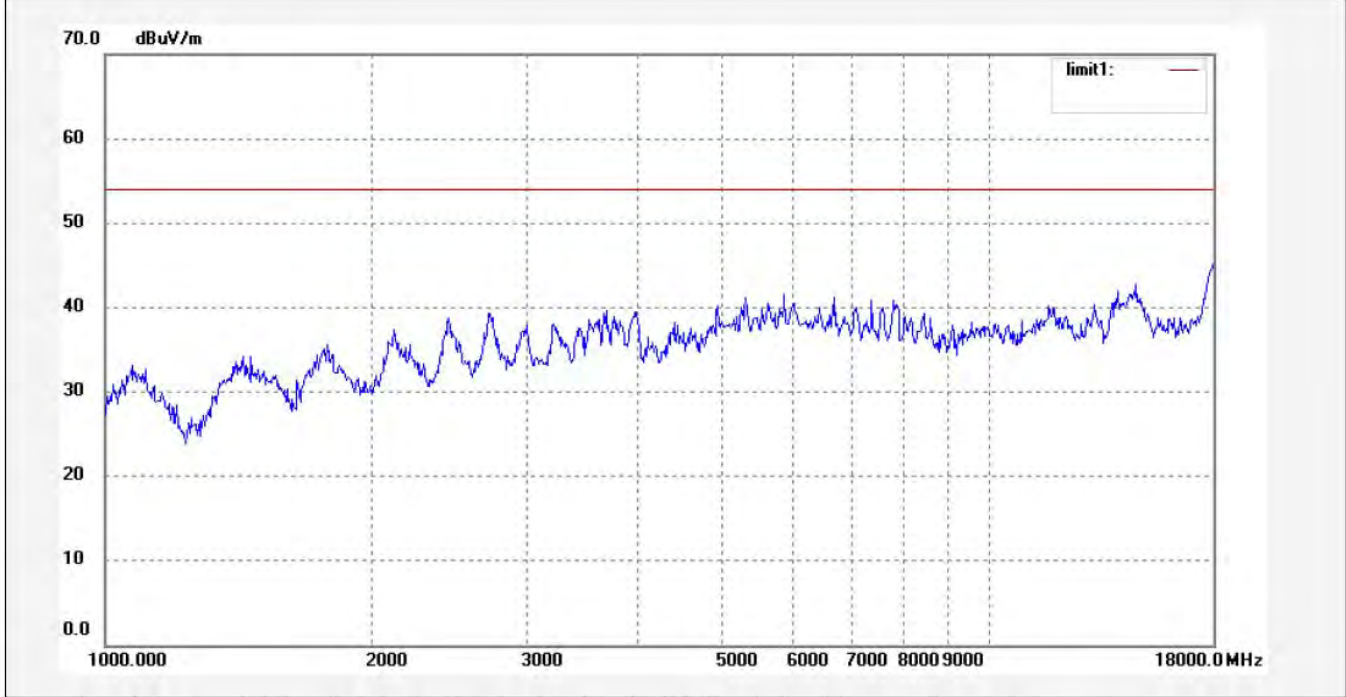
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2577	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/29/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 12:15:47
EUT: TV BOX	Engineer Signature: Bob
Mode: TX Channel 11 (802.11g)	Distance: 3m
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report No.:ATE20121277



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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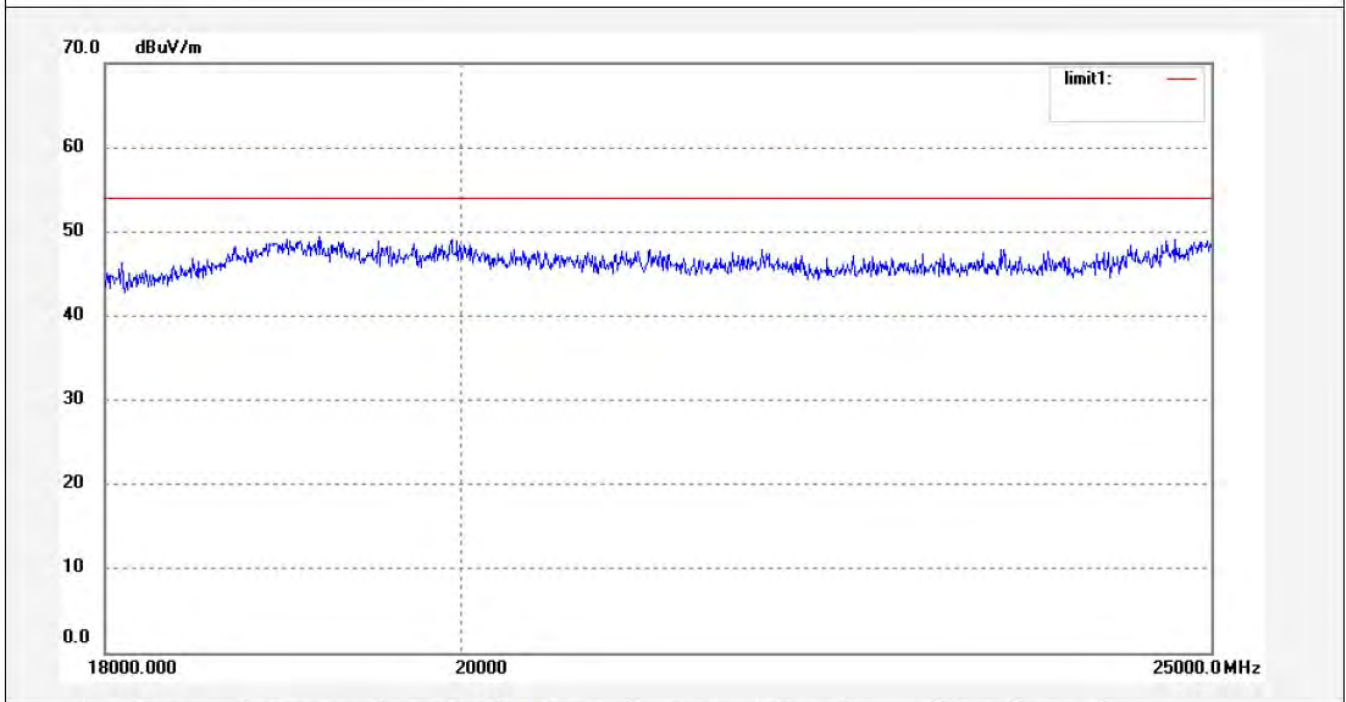
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1612	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/27/
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 10:50:47
EUT: TV BOX	Engineer Signature: Bob
Mode: TX Channel 11 (802.11g)	Distance: 3m
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report No.:ATE20121277



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.

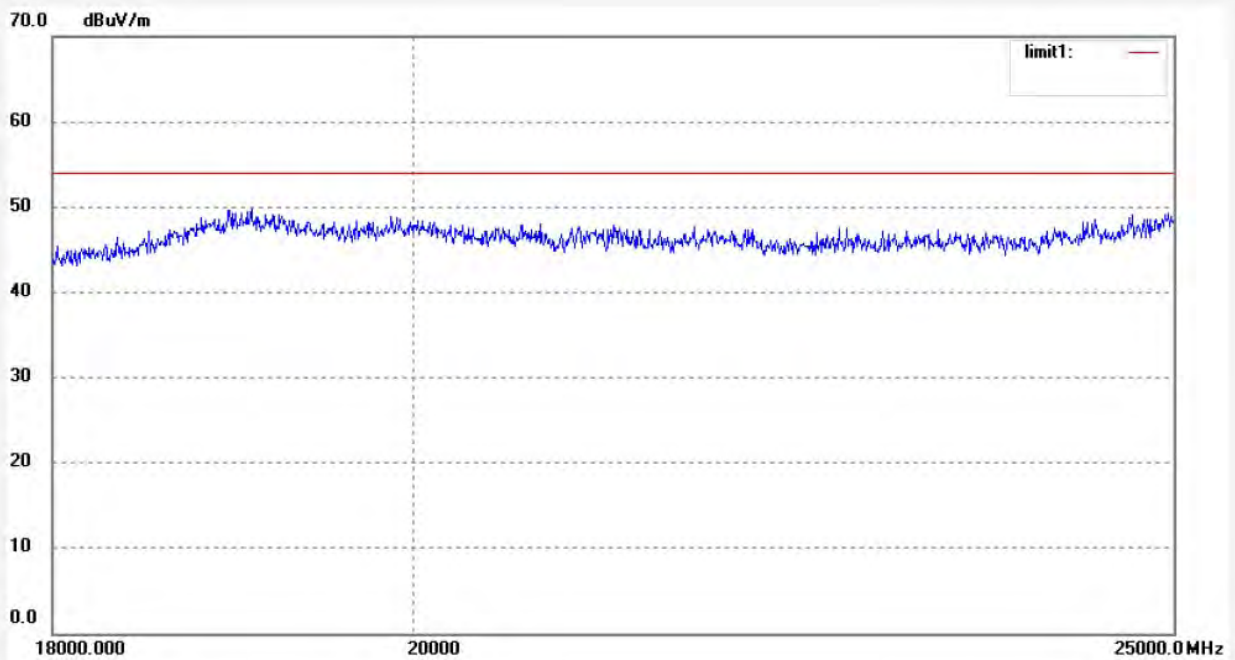
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1611
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: TV BOX
Mode: TX Channel 11 (802.11g)
Model: IS-TV1200K
Manufacturer: SWAGTEK

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 12/06/27/
Time: 10:47:55
Engineer Signature: Bob
Distance: 3m

Note: Report No.:ATE20121277



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.

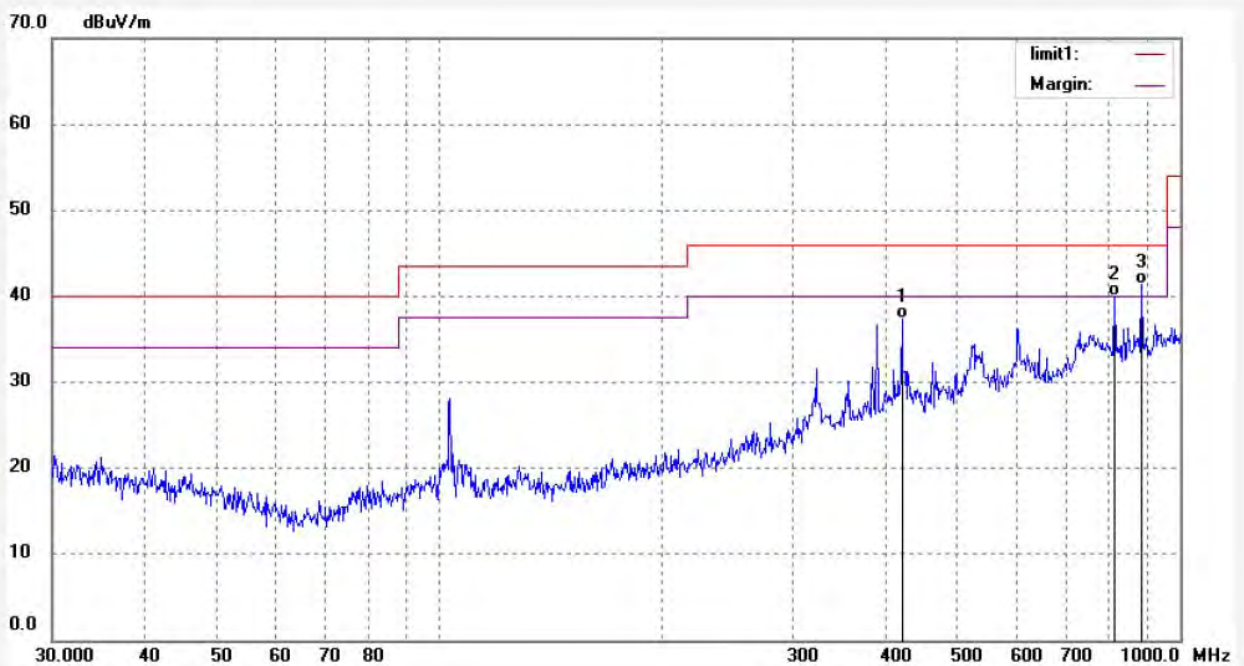
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1929
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: TV BOX
Mode: TX Channel 1(802.11n)
Model: IS-TV1200K
Manufacturer: SWAGTEK

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 12/06/28/
Time: 10/38/35
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20121277



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	421.3287	14.17	23.16	37.33	46.00	-8.67	QP			
2	815.6352	12.04	28.02	40.06	46.00	-5.94	QP			
3	887.3976	12.59	28.77	41.36	46.00	-4.64	QP			



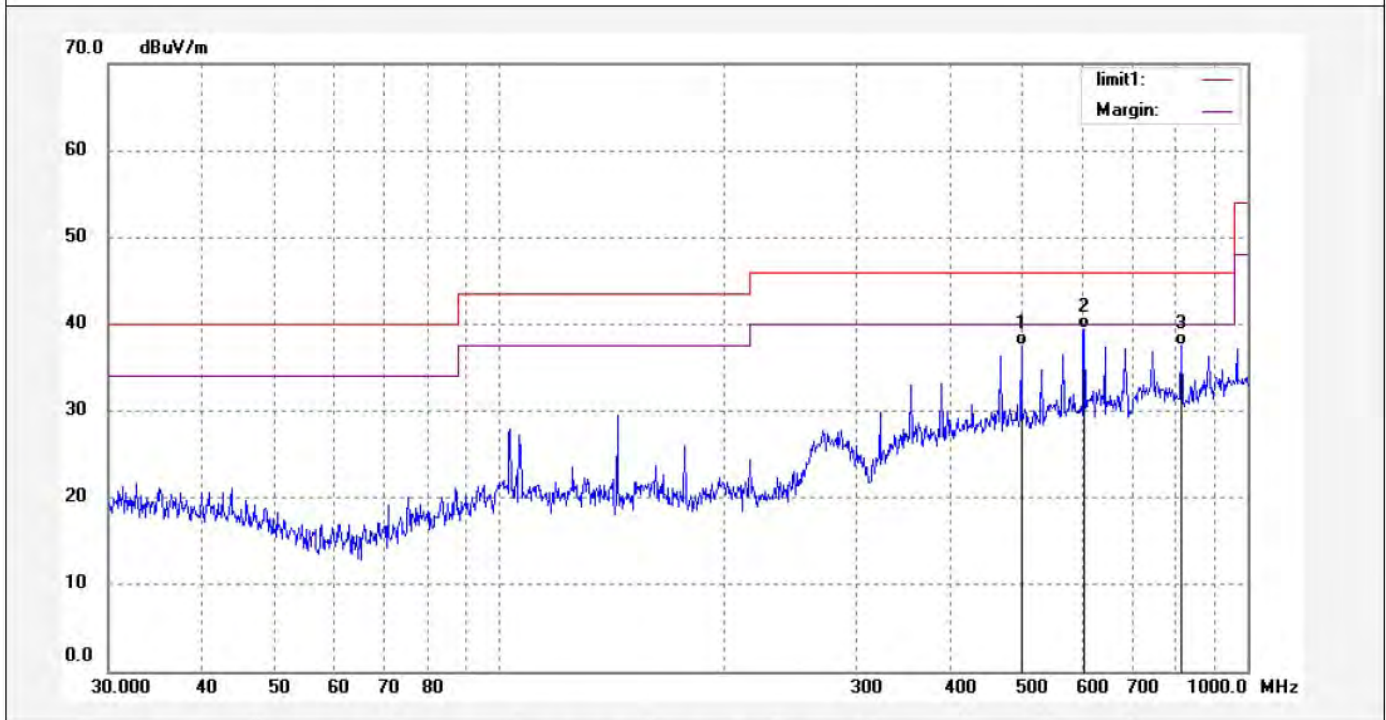
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1928	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/28/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 10/35/09
EUT: TV BOX	Engineer Signature:
Mode: TX Channel 1(802.11n)	Distance: 3m
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report NO.:ATE20121277



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	498.7302	13.56	23.98	37.54	46.00	-8.46	QP			
2	605.0507	13.75	25.64	39.39	46.00	-6.61	QP			
3	815.6352	9.46	28.02	37.48	46.00	-8.52	QP			



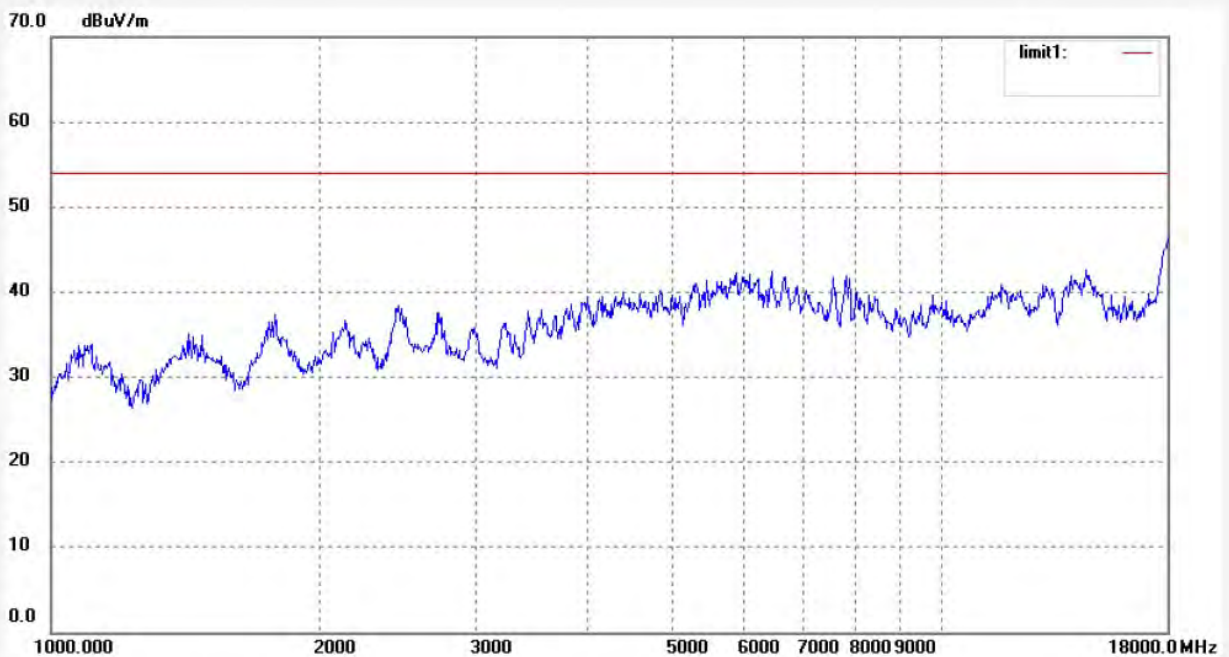
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2579	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/29/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 12:21:30
EUT: TV BOX	Engineer Signature: Bob
Mode: TX Channel 1 (802.11n)	Distance: 3m
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report No.:ATE20121277



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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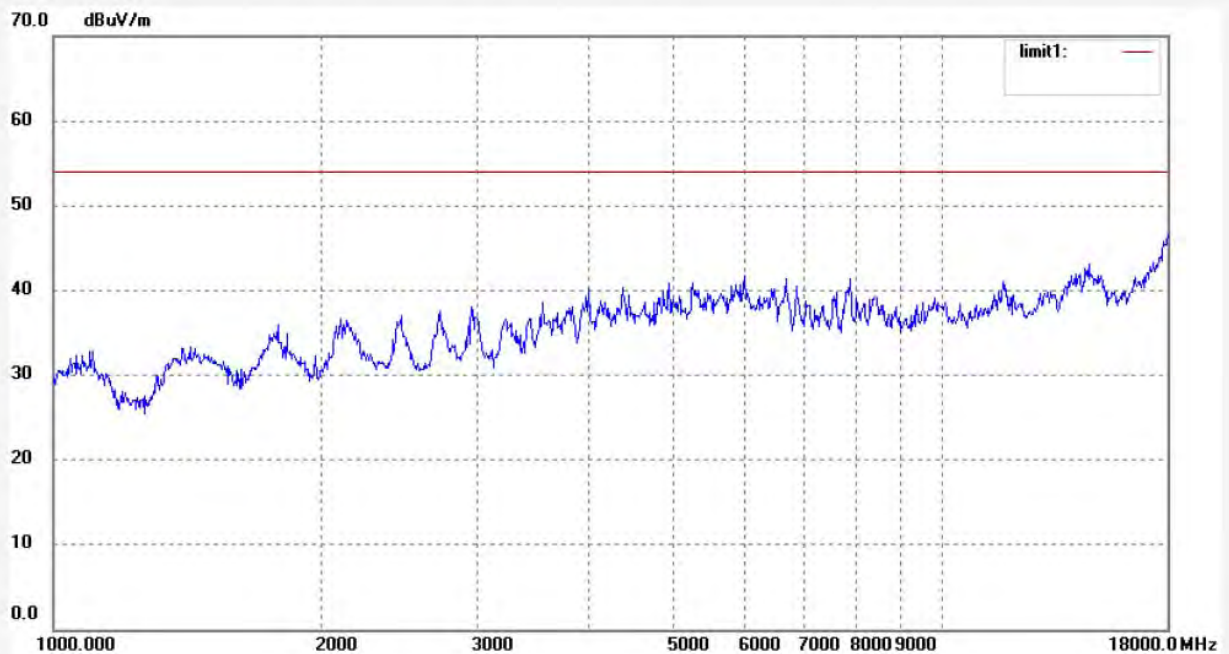
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2580	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/29/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 12:23:06
EUT: TV BOX	Engineer Signature: Bob
Mode: TX Channel 1 (802.11n)	Distance: 3m
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report No.:ATE20121277



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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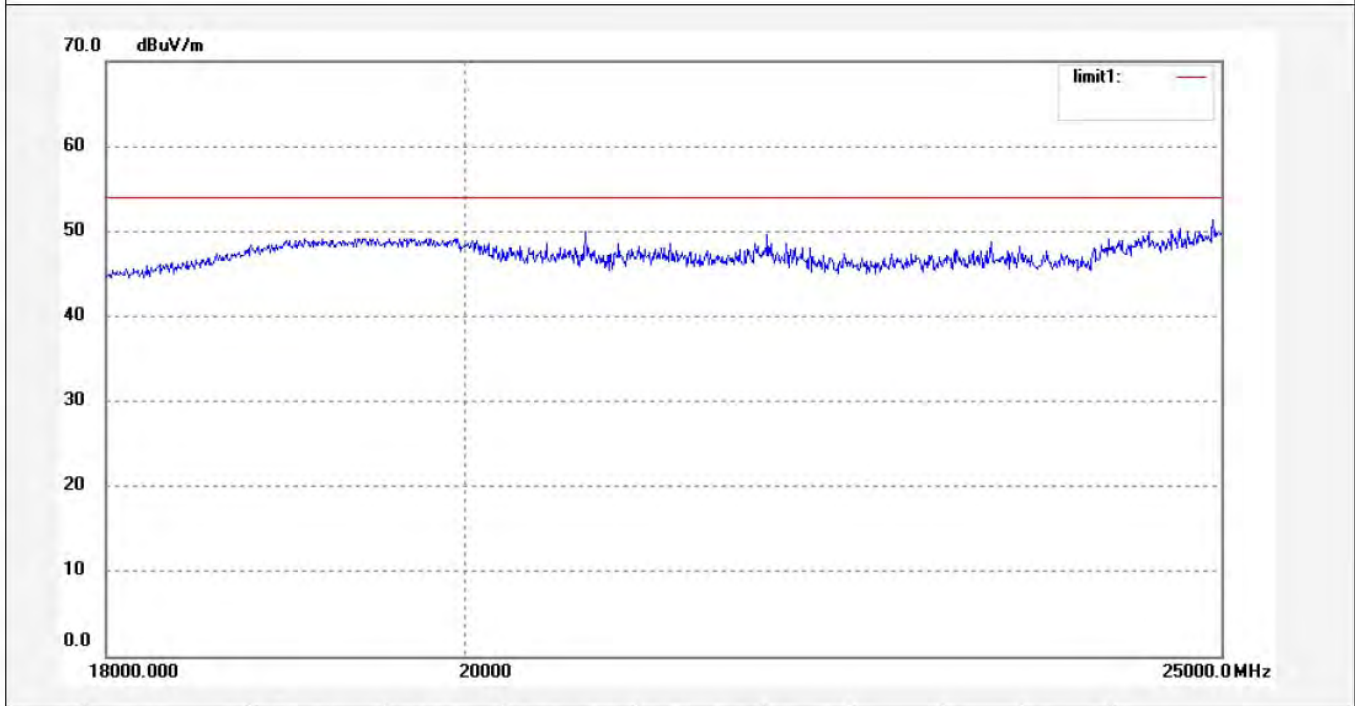
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1613	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/27/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 10:53:17
EUT: TV BOX	Engineer Signature: Bob
Mode: TX Channel 11 (802.11n)	Distance:
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report No.:ATE20121277



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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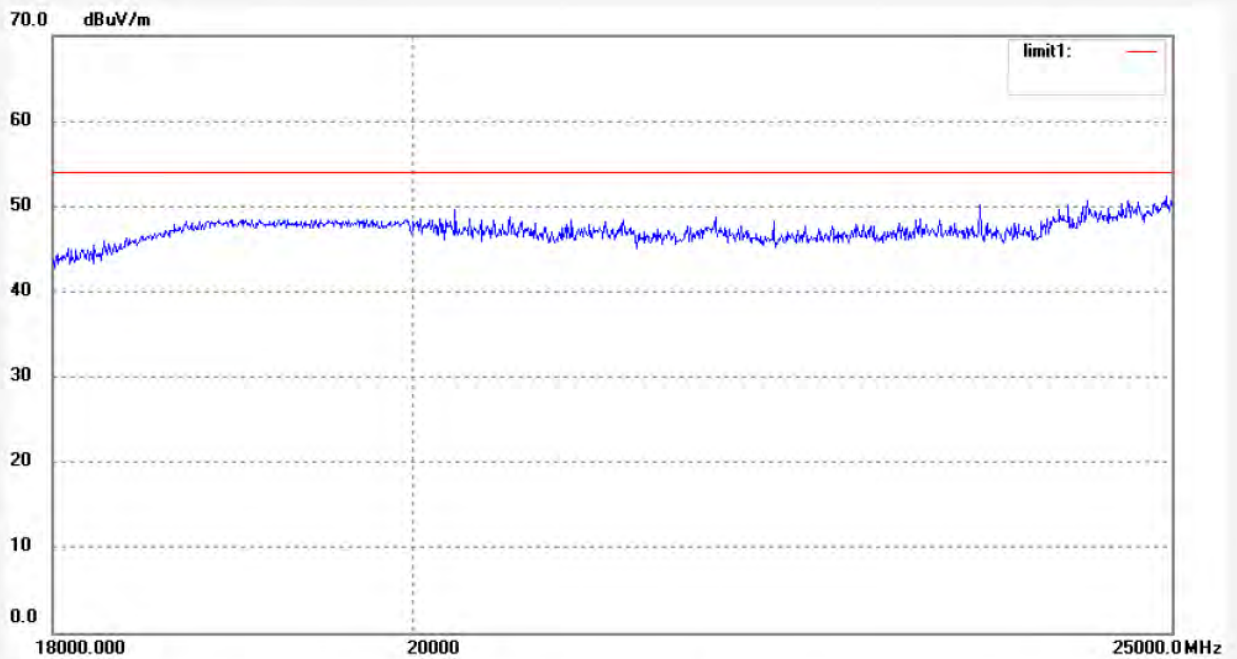
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1614	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/27/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 10:57:05
EUT: TV BOX	Engineer Signature: Bob
Mode: TX Channel 11 (802.11n)	Distance:
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report No.:ATE20121277



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.

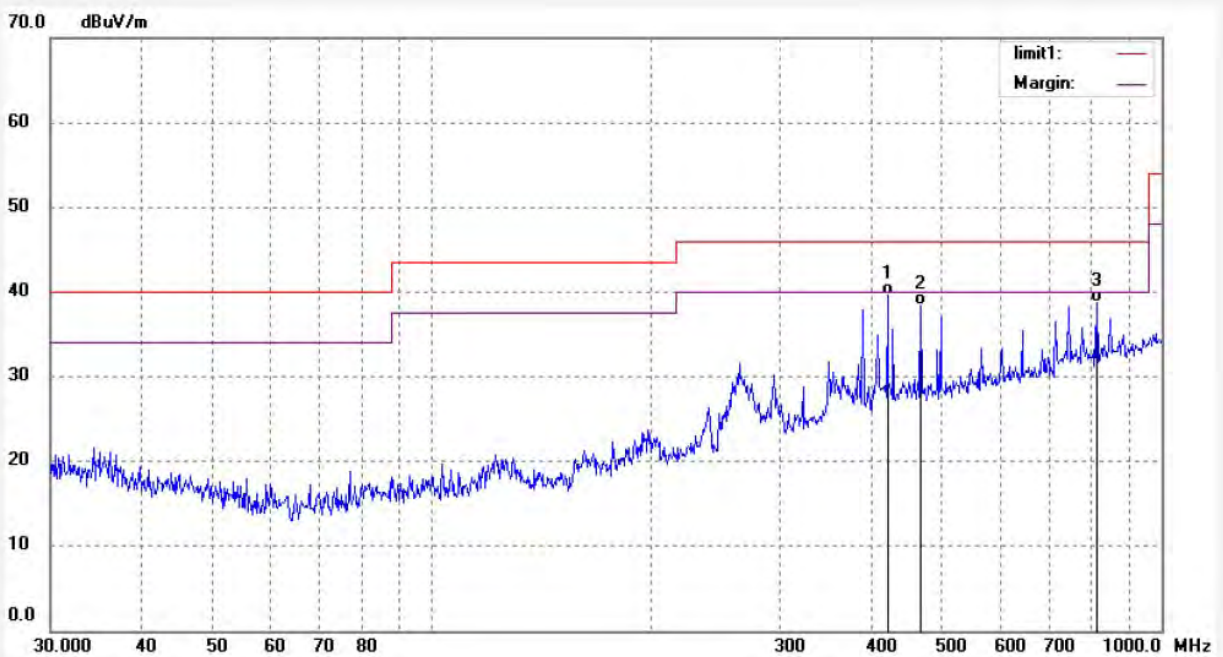
F1,Bldg,A.Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1930
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: TV BOX
Mode: TX Channel 6(802.11n)
Model: IS-TV1200K
Manufacturer: SWAGTEK

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 12/06/28/
Time: 10/41/46
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20121277



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	421.3287	16.41	23.16	39.57	46.00	-6.43	QP			
2	468.1650	14.81	23.55	38.36	46.00	-7.64	QP			
3	815.6352	10.67	28.02	38.69	46.00	-7.31	QP			



ACCURATE TECHNOLOGY CO., LTD.

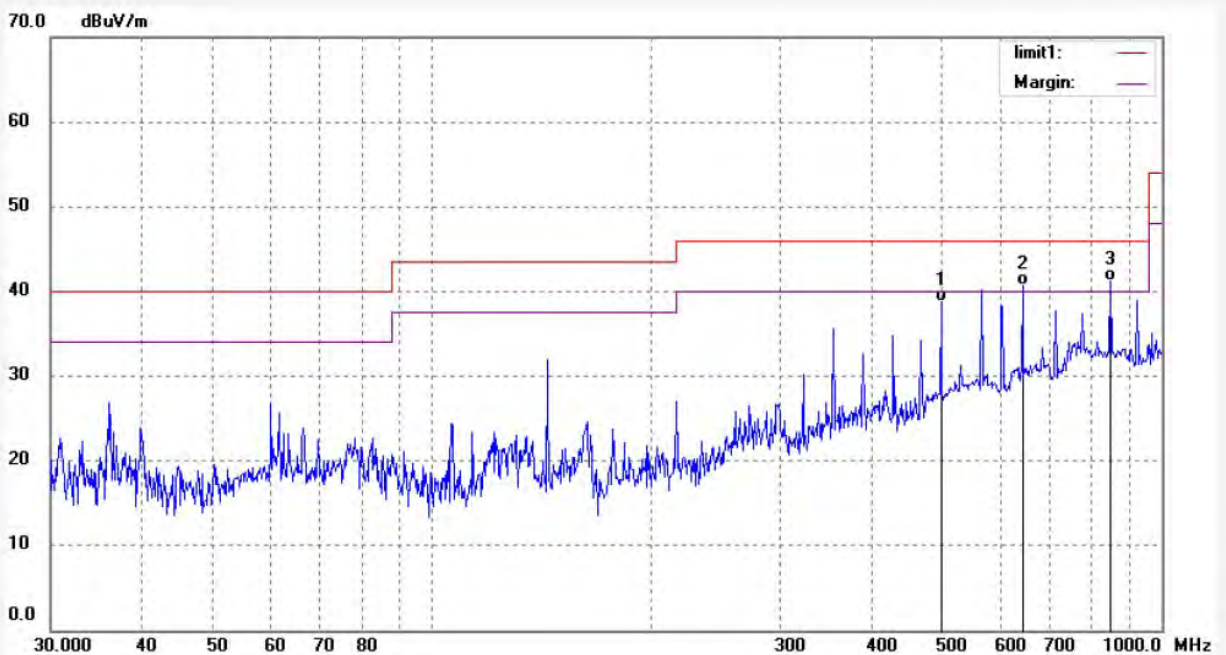
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1931
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: TV BOX
Mode: TX Channel 6(802.11n)
Model: IS-TV1200K
Manufacturer: SWAGTEK

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 12/06/28/
Time: 10/44/24
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20121277



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	498.7303	14.85	23.98	38.83	46.00	-7.17	QP			
2	644.5531	14.63	26.08	40.71	46.00	-5.29	QP			
3	850.7603	12.92	28.36	41.28	46.00	-4.72	QP			



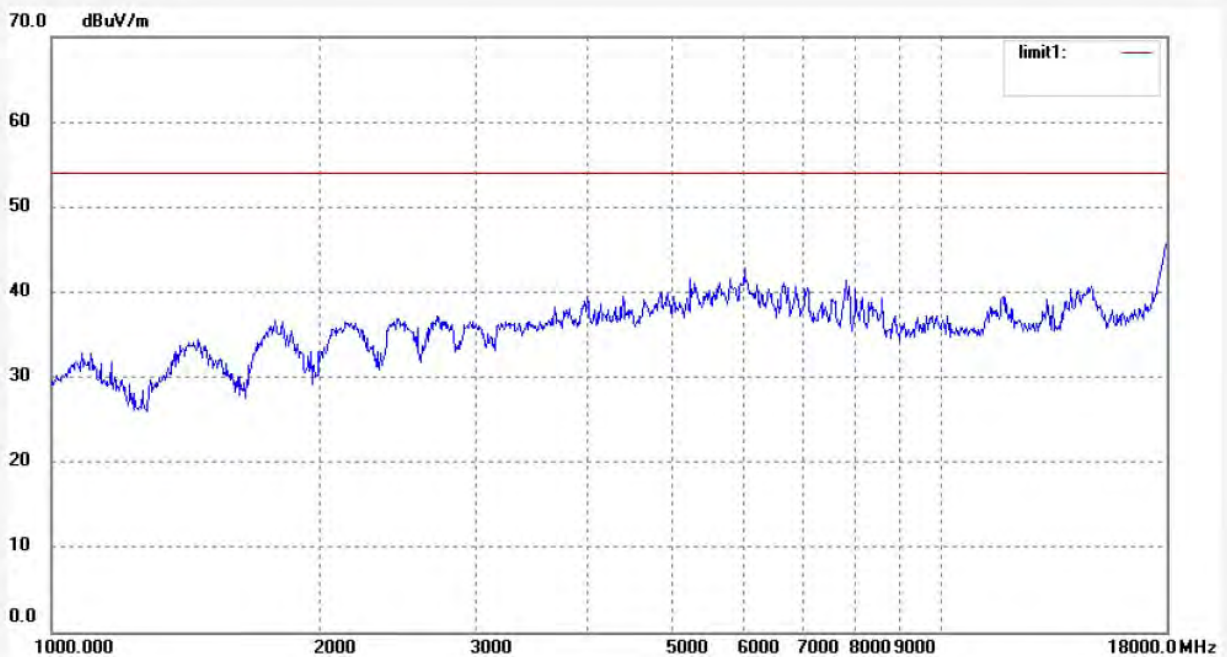
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2582	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/29/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 12:29:53
EUT: TV BOX	Engineer Signature: Bob
Mode: TX Channel 6 (802.11n)	Distance: 3m
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report No.:ATE20121277



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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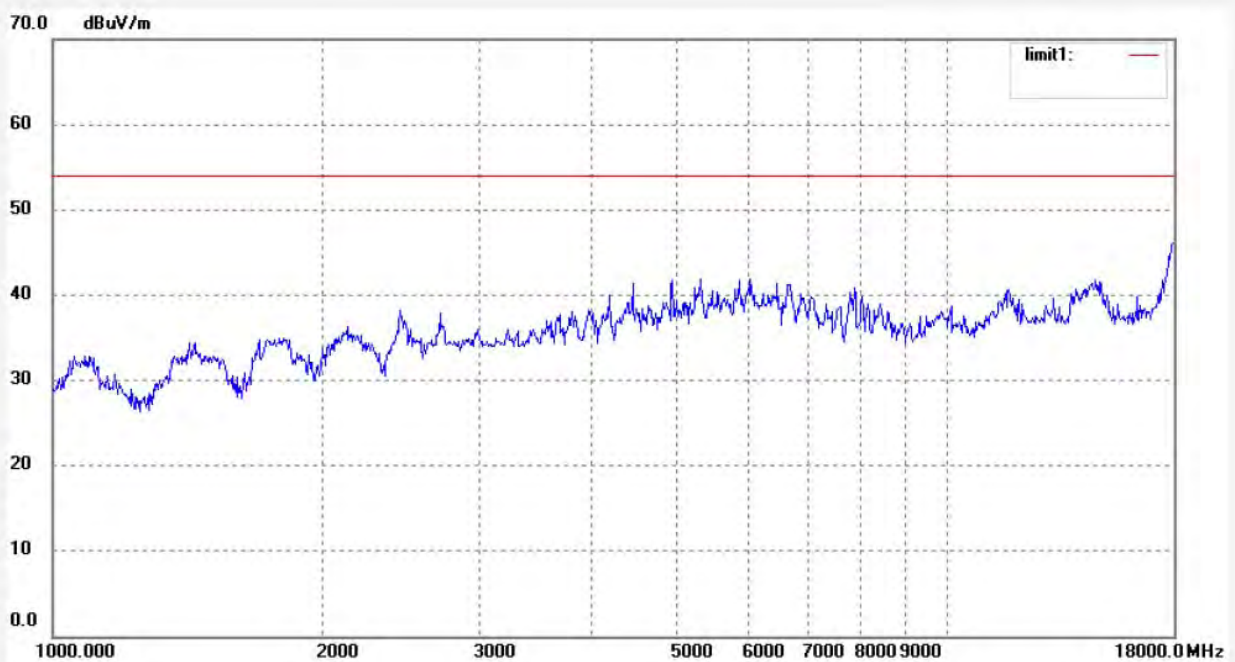
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2581	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/29/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 12:26:47
EUT: TV BOX	Engineer Signature: Bob
Mode: TX Channel 6 (802.11n)	Distance: 3m
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report No.:ATE20121277



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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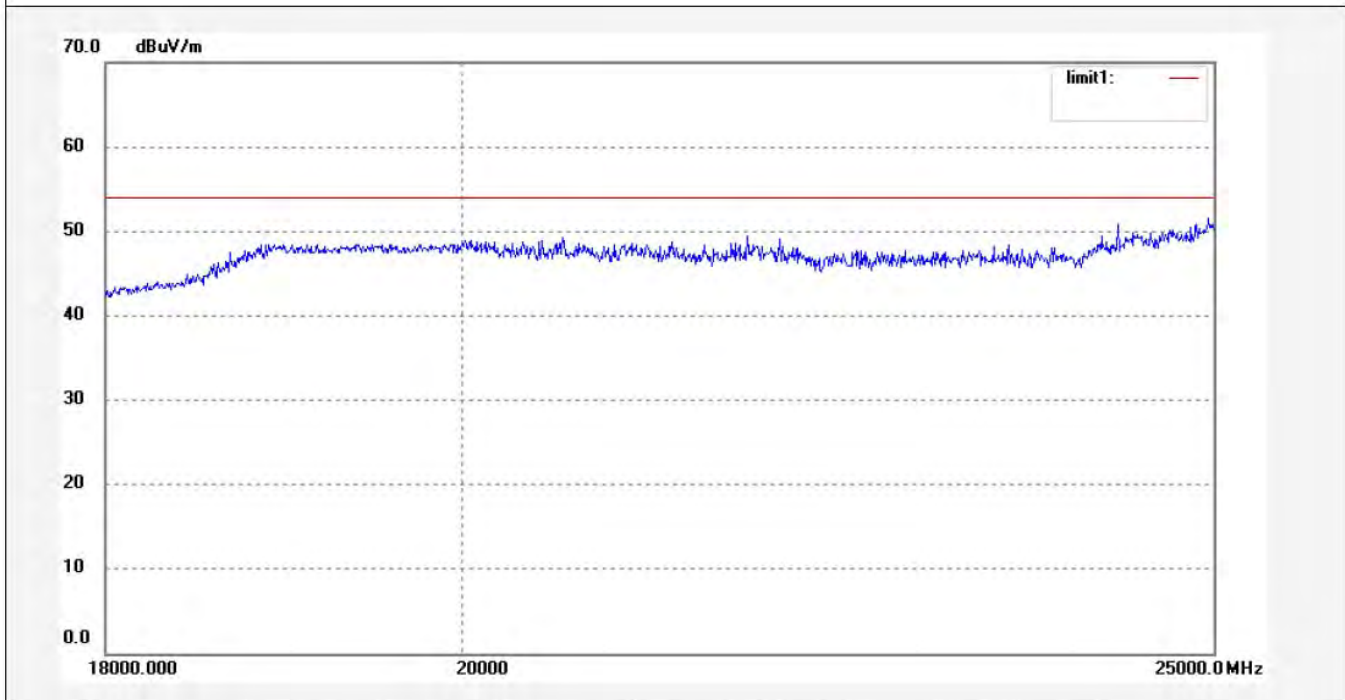
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1616	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/27/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 11:05:58
EUT: TV BOX	Engineer Signature: Bob
Mode: TX Channel 6 (802.11n)	Distance:
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report No.:ATE20121277



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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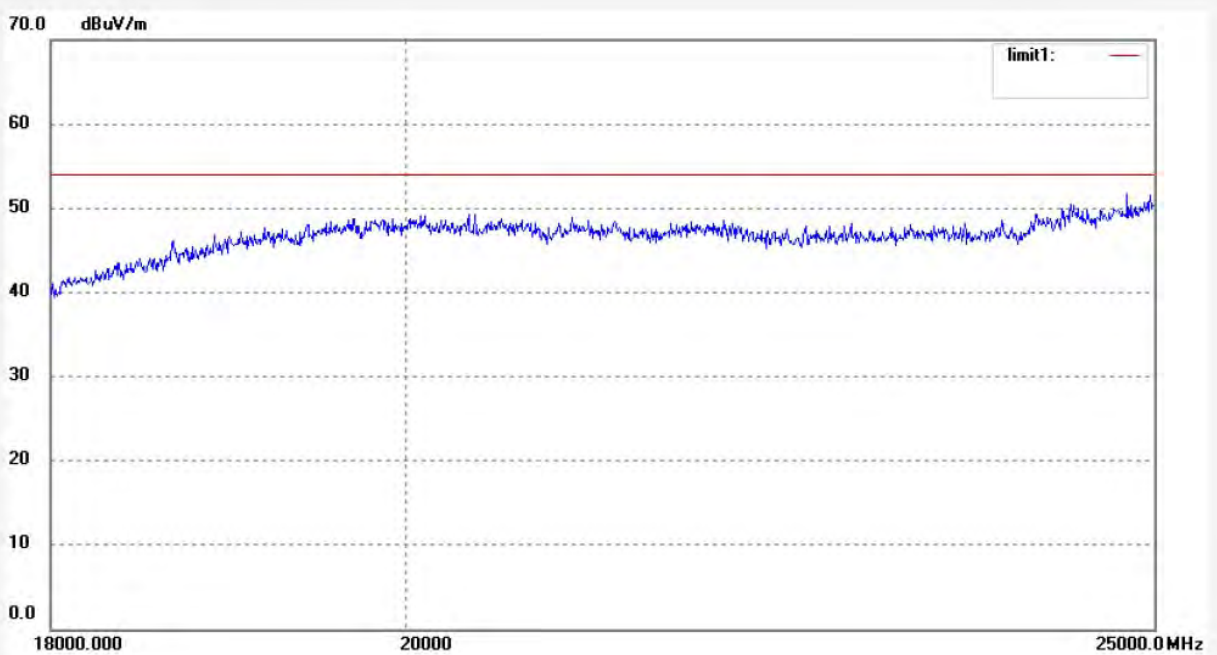
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1615	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/27/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 11:02:36
EUT: TV BOX	Engineer Signature: Bob
Mode: TX Channel 6 (802.11n)	Distance:
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report No.:ATE20121277



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.

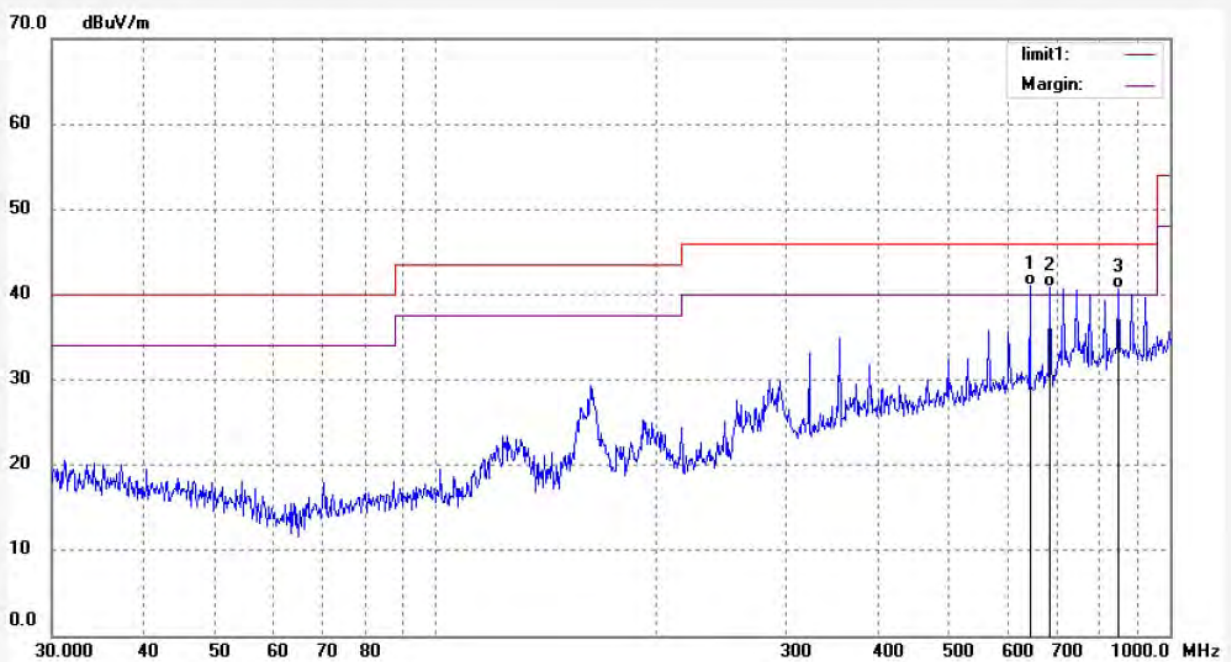
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1941
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: TV BOX
Mode: TX Channel 11(802.11n)
Model: IS-TV1200K
Manufacturer: SWAGTEK

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 12/06/28/
Time: 11/14/57
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20121277



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	644.5531	14.93	26.08	41.01	46.00	-4.99	QP			
2	686.6342	14.47	26.37	40.84	46.00	-5.16	QP			
3	850.7603	12.27	28.36	40.63	46.00	-5.37	QP			



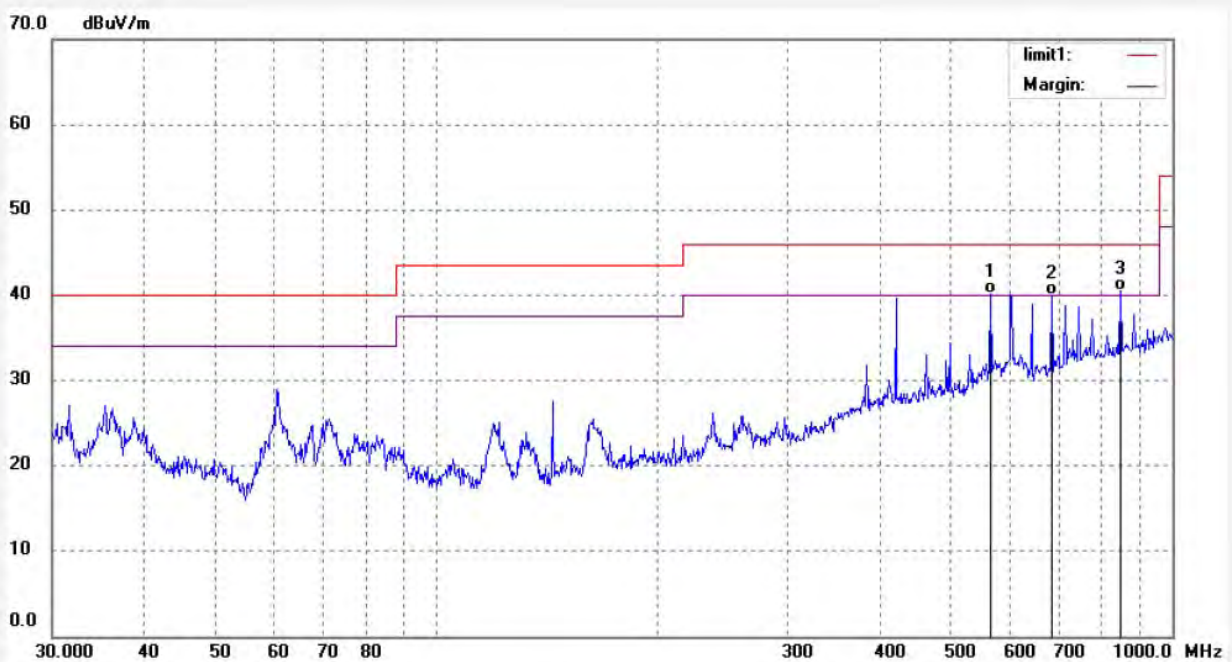
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1940	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/28/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 11/11/21
EUT: TV BOX	Engineer Signature:
Mode: TX Channel 11(802.11n)	Distance: 3m
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report NO.:ATE20121277



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	565.9776	14.87	25.27	40.14	46.00	-5.86	QP			
2	686.6342	13.67	26.37	40.04	46.00	-5.96	QP			
3	850.7603	12.19	28.36	40.55	46.00	-5.45	QP			



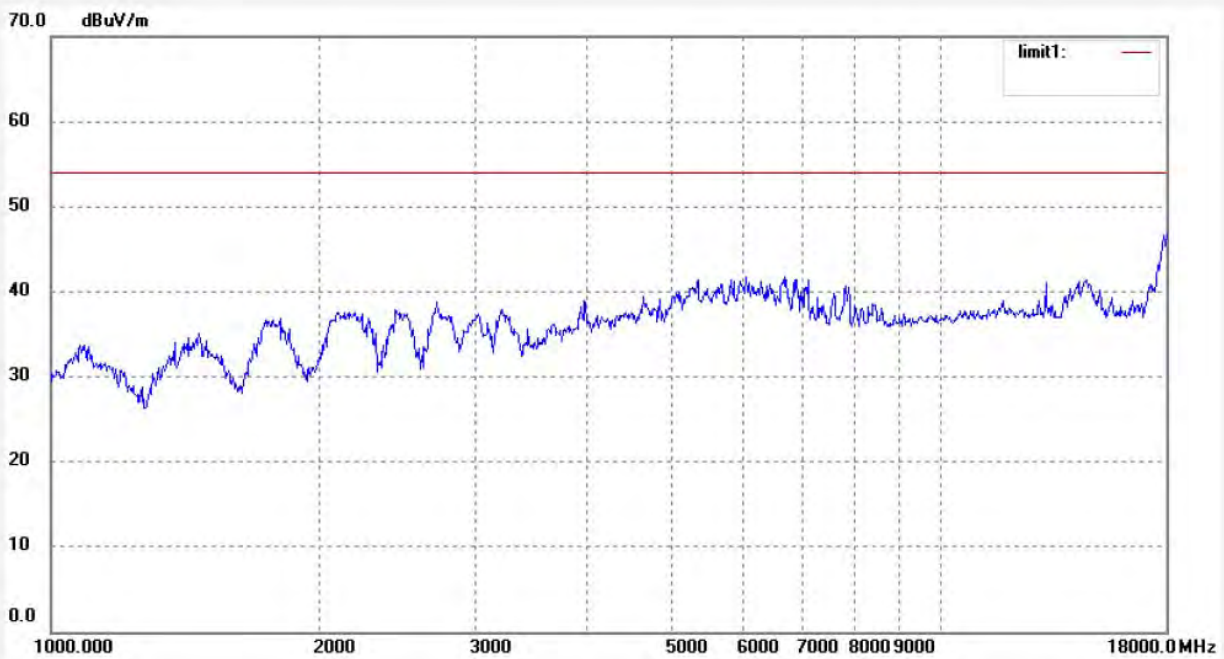
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2583	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/29/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 12:33:17
EUT: TV BOX	Engineer Signature: Bob
Mode: TX Channel 11 (802.11n)	Distance: 3m
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report No.:ATE20121277



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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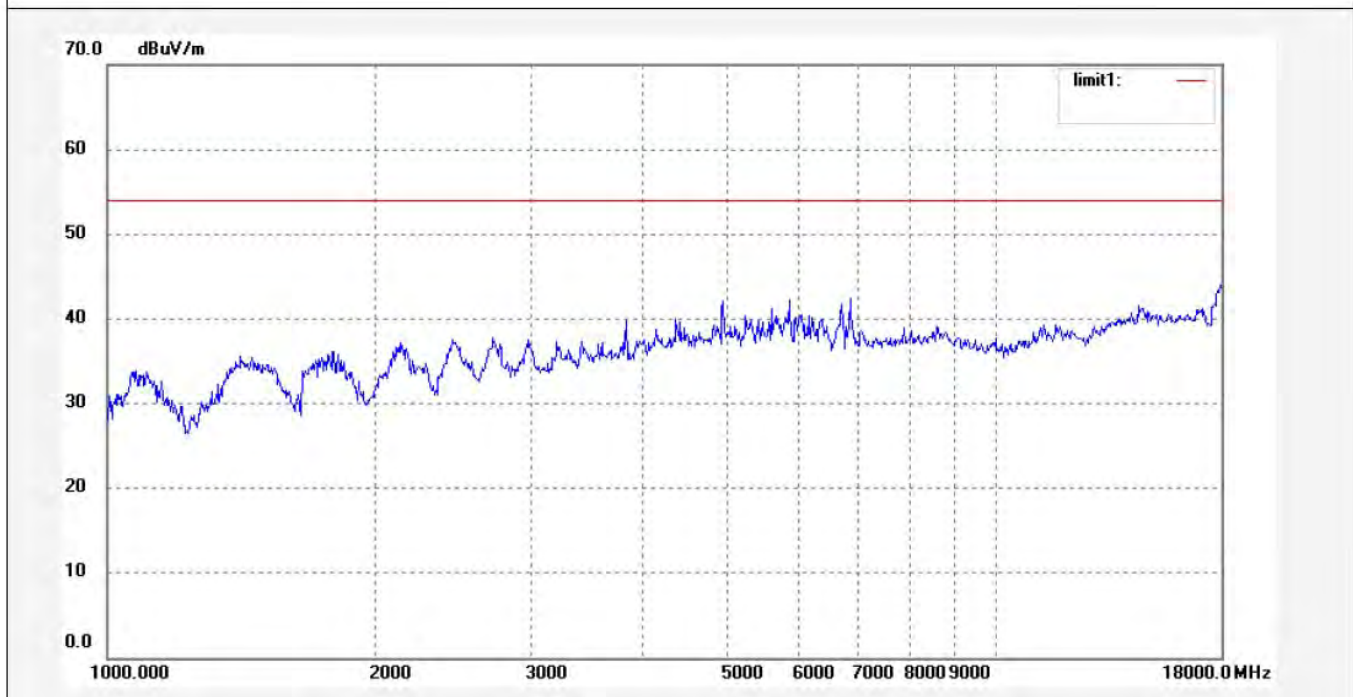
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2584	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/29/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 12:36:07
EUT: TV BOX	Engineer Signature: Bob
Mode: TX Channel 11 (802.11n)	Distance: 3m
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report No.:ATE20121277



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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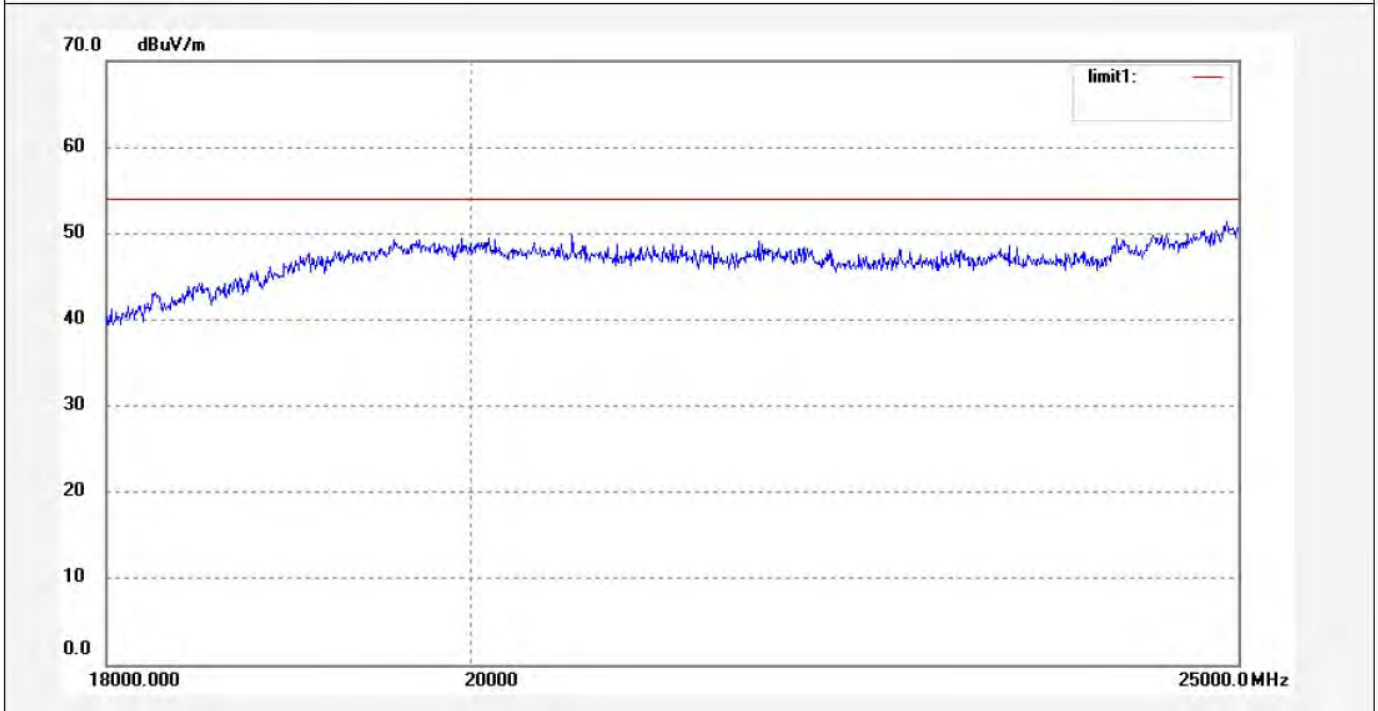
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1617	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/27/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 11:09:37
EUT: TV BOX	Engineer Signature: Bob
Mode: TX Channel 1 (802.11n)	Distance:
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report No.:ATE20121277



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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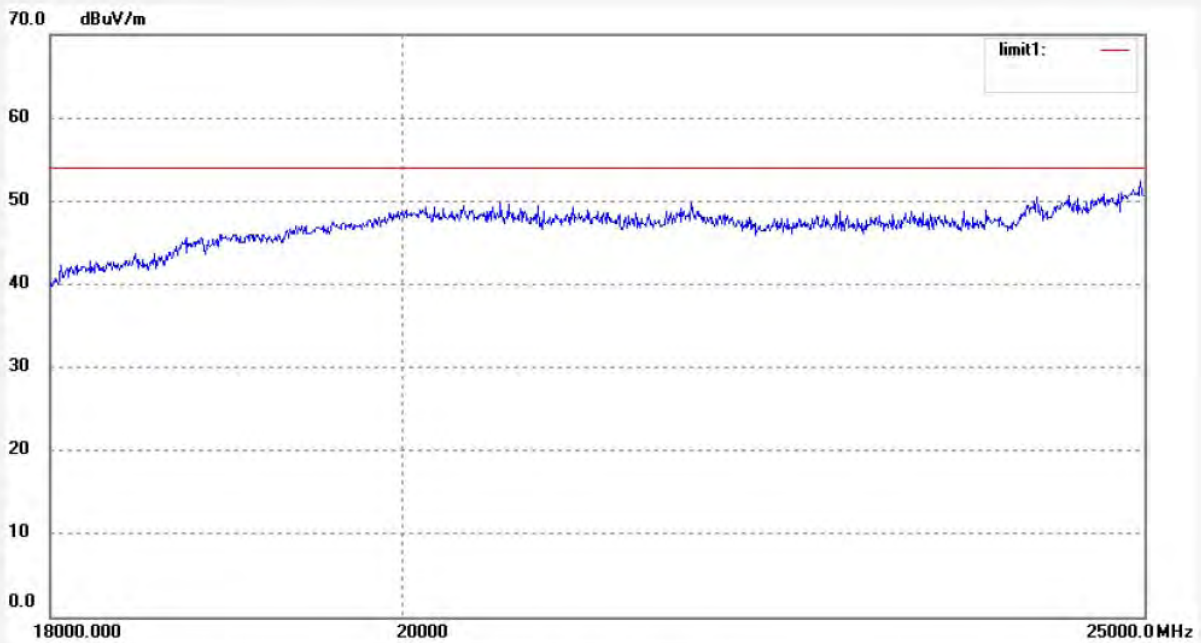
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1618	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/27/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 11:14:41
EUT: TV BOX	Engineer Signature: Bob
Mode: TX Channel 1 (802.11n)	Distance:
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report No.:ATE20121277



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.

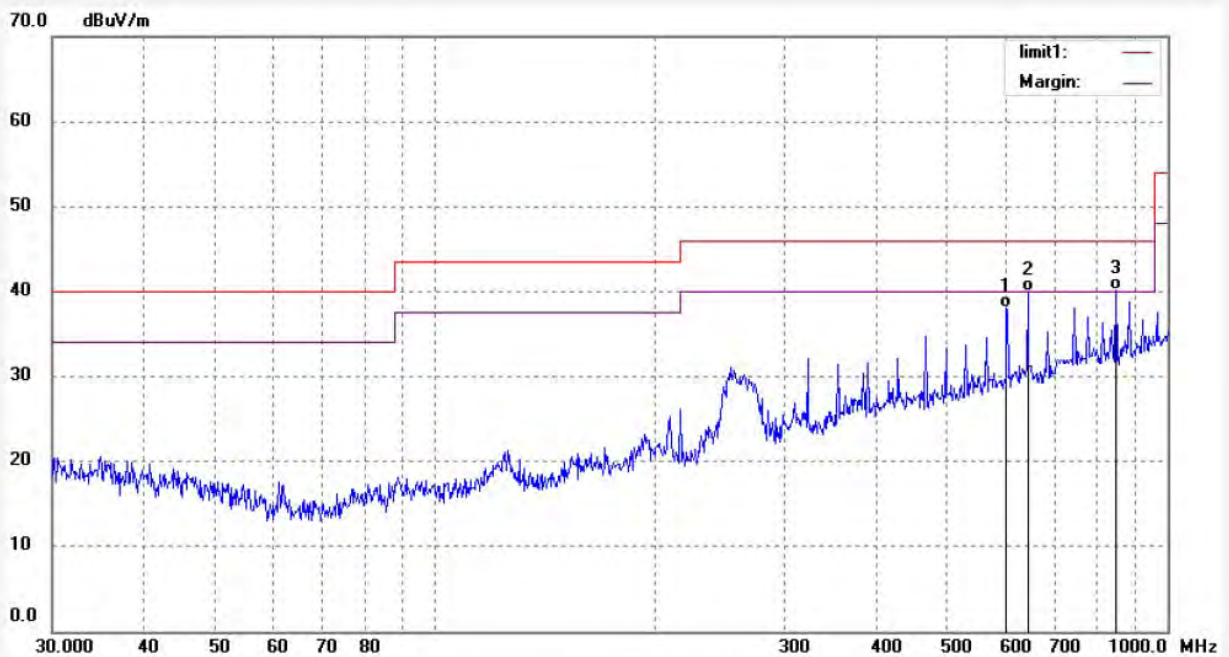
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2009
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: TV BOX
Mode: TX Channel 3(802.11n)
Model: IS-TV1200K
Manufacturer: SWAGTEK

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 12/06/28/
Time: 20:44:26
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20121277



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	602.9287	12.42	25.59	38.01	46.00	-7.99	QP			
2	644.5531	13.94	26.08	40.02	46.00	-5.98	QP			
3	850.7603	11.81	28.36	40.17	46.00	-5.83	QP			



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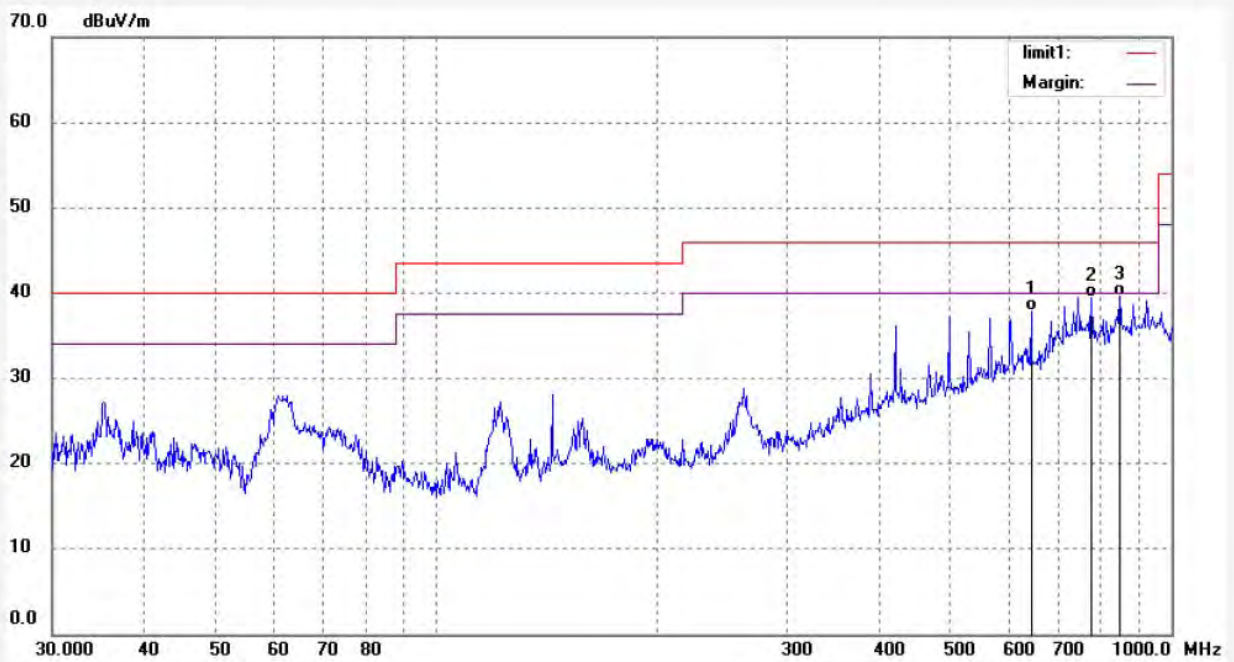
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2010
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: TV BOX
Mode: TX Channel 3(802.11n)
Model: IS-TV1200K
Manufacturer: SWAGTEK

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 12/06/28/
Time: 20:47:05
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20121277



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	644.5531	11.76	26.08	37.84	46.00	-8.16	QP			
2	779.2179	11.58	27.83	39.41	46.00	-6.59	QP			
3	850.7603	11.27	28.36	39.63	46.00	-6.37	QP			



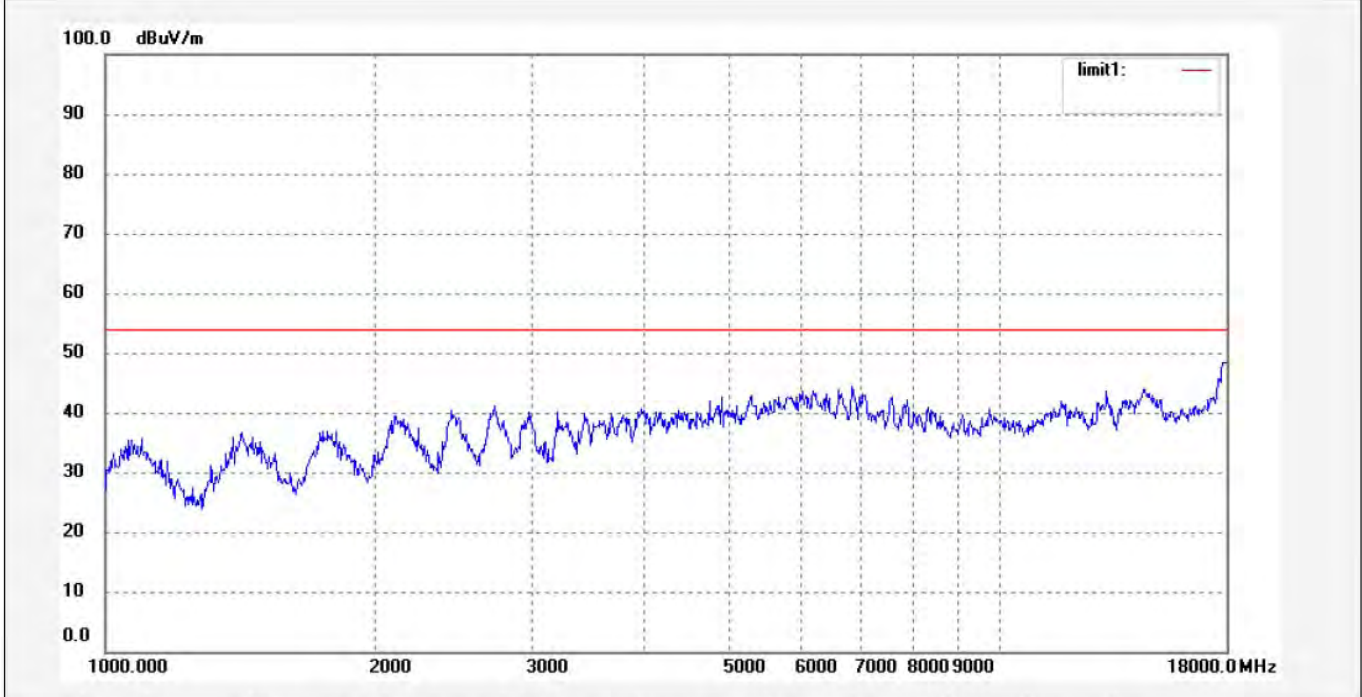
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2586	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/29/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9/18/19
EUT: TV BOX	Engineer Signature:
Mode: TX Channel 3(802.11n)	Distance:
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report NO.:ATE20121277



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.

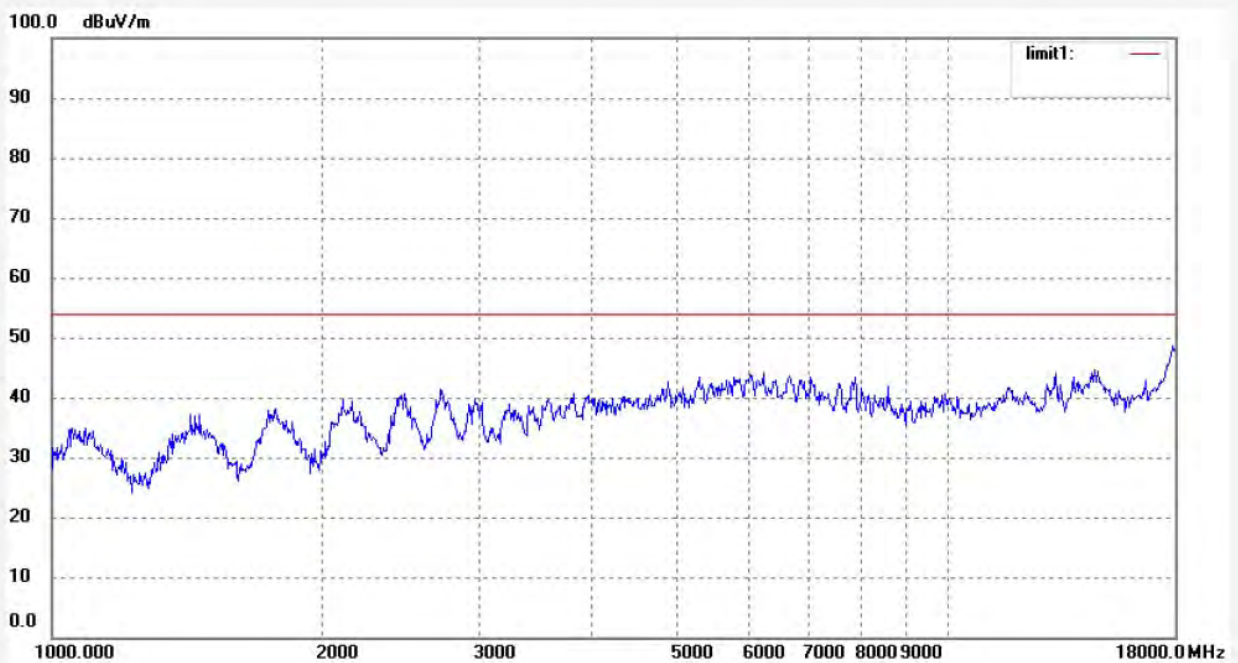
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2585
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: TV BOX
Mode: TX Channel 3(802.11n)
Model: IS-TV1200K
Manufacturer: SWAGTEK

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 12/06/29/
Time: 9/15/37
Engineer Signature:
Distance:

Note: Report NO.:ATE20121277



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.

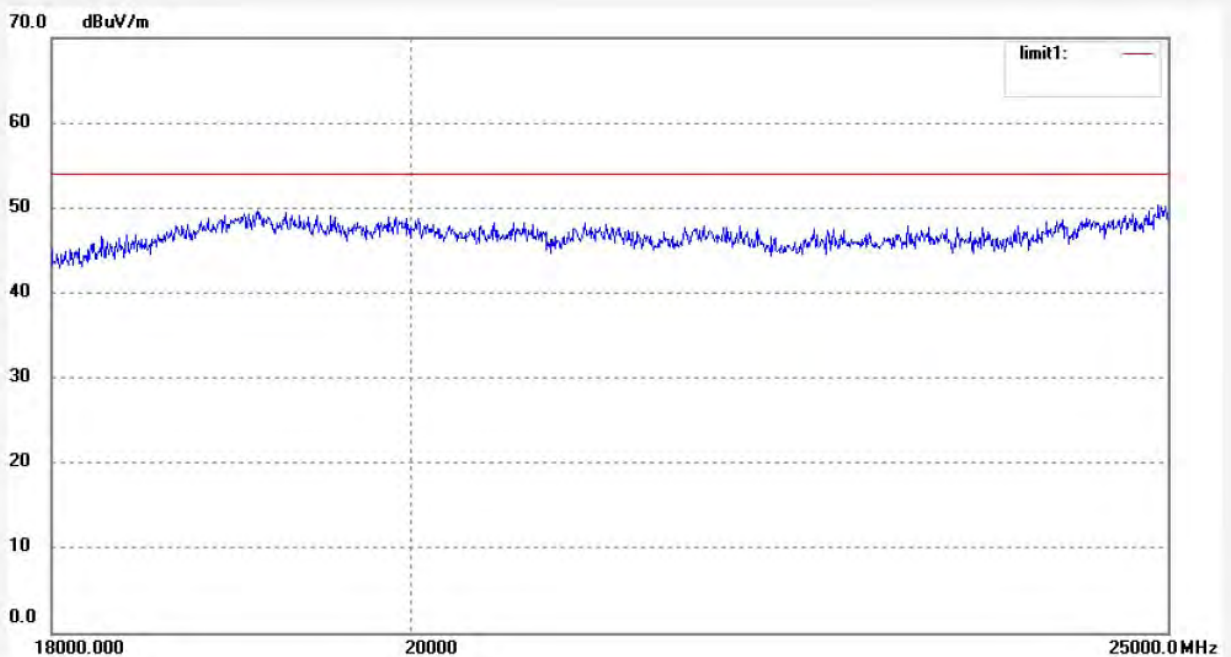
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #5916
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: TV BOX
Mode: TX Channel 3 (802.11n)
Model: IS-TV1200K
Manufacturer: SWAGTEK

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 12/06/27/
Time: 11:52:09
Engineer Signature: Bob
Distance:

Note: Report No.:ATE20121277



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.

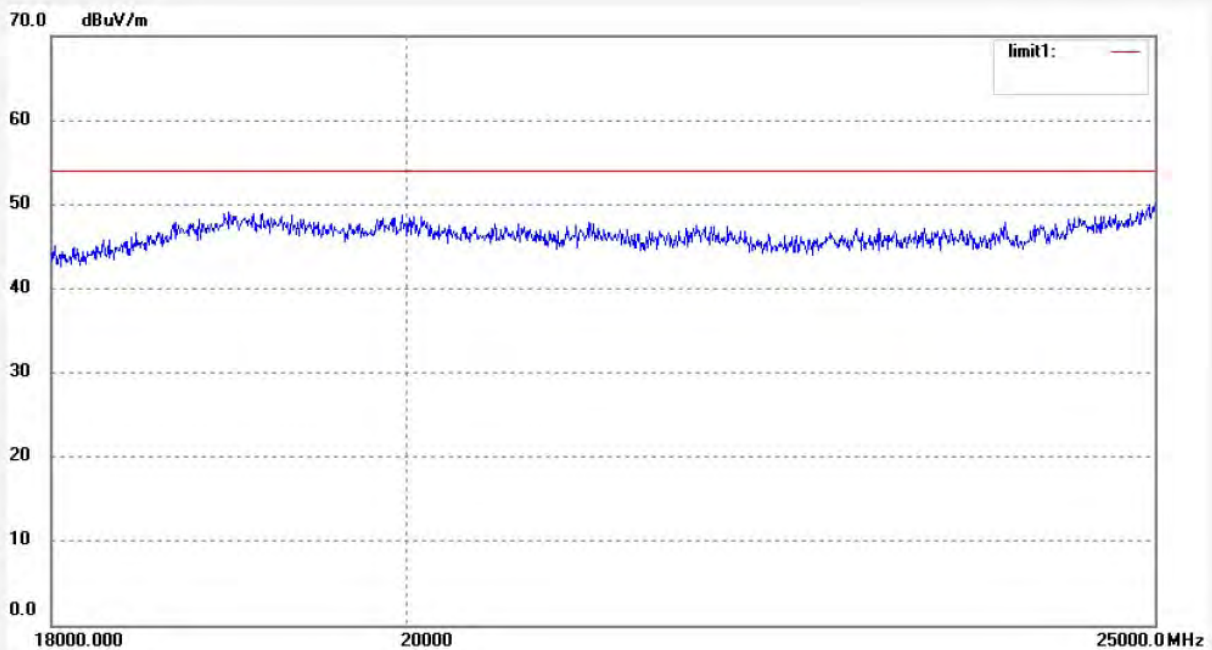
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #5917
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: TV BOX
Mode: TX Channel 3 (802.11n)
Model: IS-TV1200K
Manufacturer: SWAGTEK

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 12/06/27/
Time: 11:56:43
Engineer Signature: Bob
Distance:

Note: Report No.:ATE20121277



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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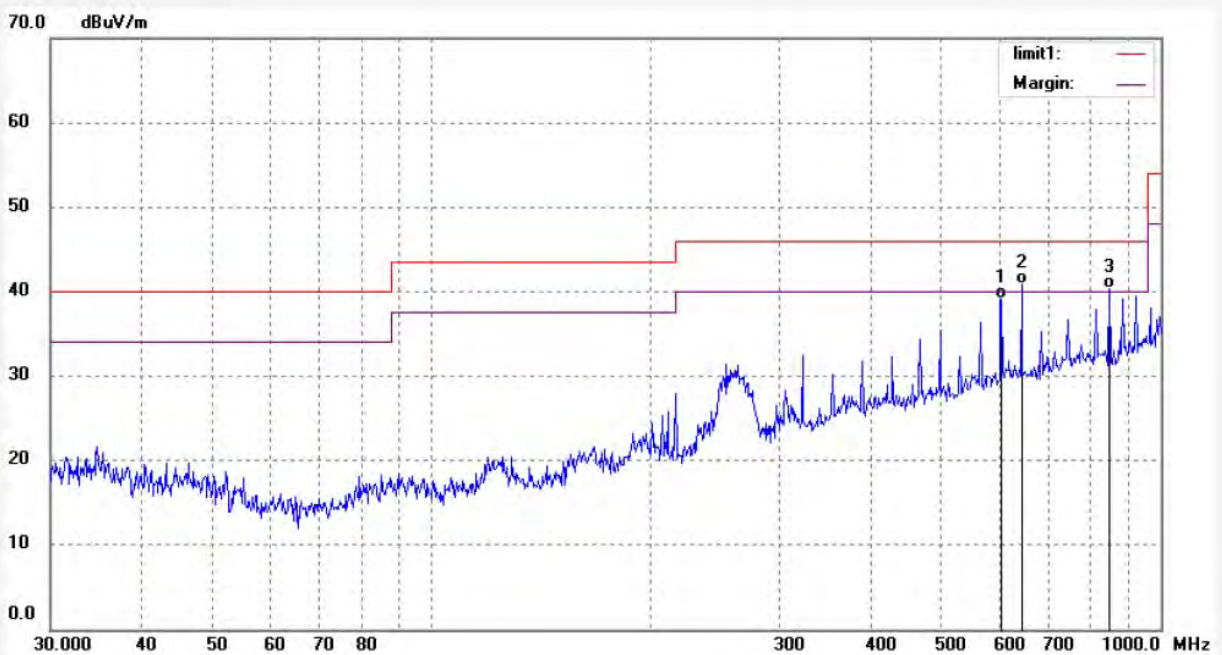
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2012	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/28/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 20:53:21
EUT: TV BOX	Engineer Signature:
Mode: TX Channel 6(802.11n)	Distance: 3m
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report NO.:ATE20121277



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	605.0509	13.42	25.64	39.06	46.00	-6.94	QP			
2	644.5531	14.83	26.08	40.91	46.00	-5.09	QP			
3	850.7603	12.04	28.36	40.40	46.00	-5.60	QP			



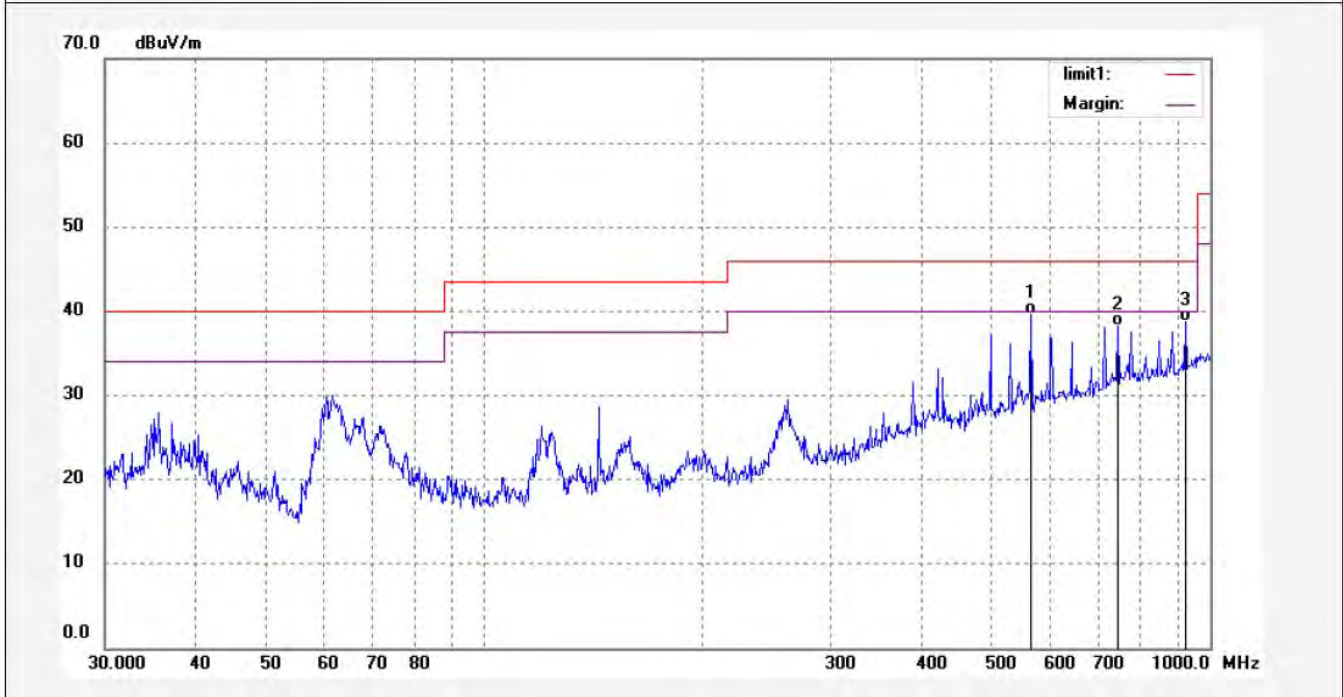
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2011	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/28/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 20:50:46
EUT: TV BOX	Engineer Signature:
Mode: TX Channel 6(802.11n)	Distance: 3m
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report NO.:ATE20121277



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	565.9776	14.43	25.27	39.70	46.00	-6.30	QP			
2	747.0467	10.72	27.57	38.29	46.00	-7.71	QP			
3	925.6132	9.53	29.16	38.69	46.00	-7.31	QP			



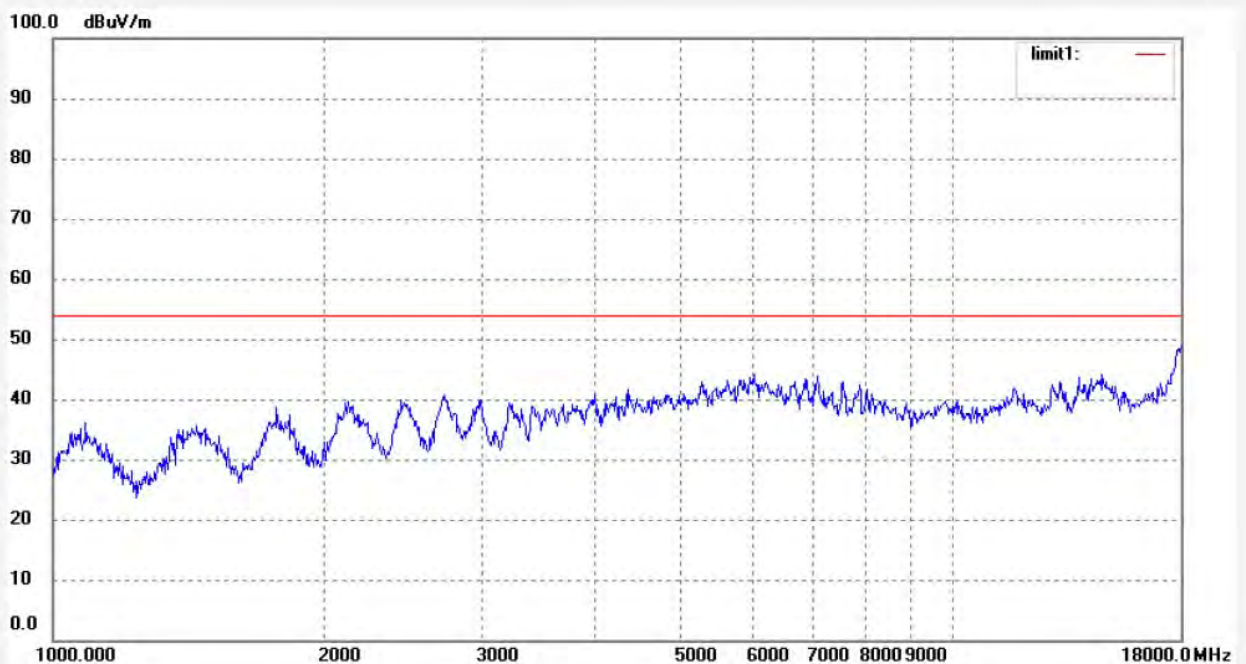
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2587	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/29/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9/22/38
EUT: TV BOX	Engineer Signature:
Mode: TX Channel 6(802.11n)	Distance:
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report NO.:ATE20121277



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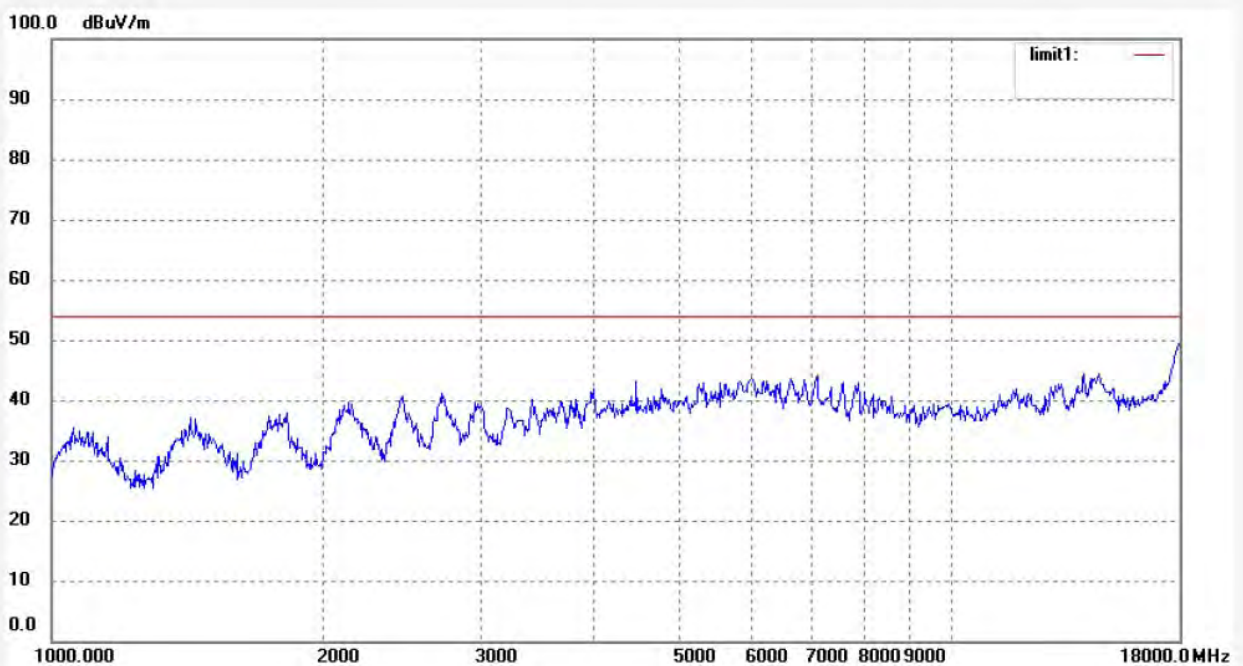
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2588
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: TV BOX
Mode: TX Channel 6(802.11n)
Model: IS-TV1200K
Manufacturer: SWAGTEK

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 12/06/29/
Time: 9/25/22
Engineer Signature:
Distance:

Note: Report NO.:ATE20121277



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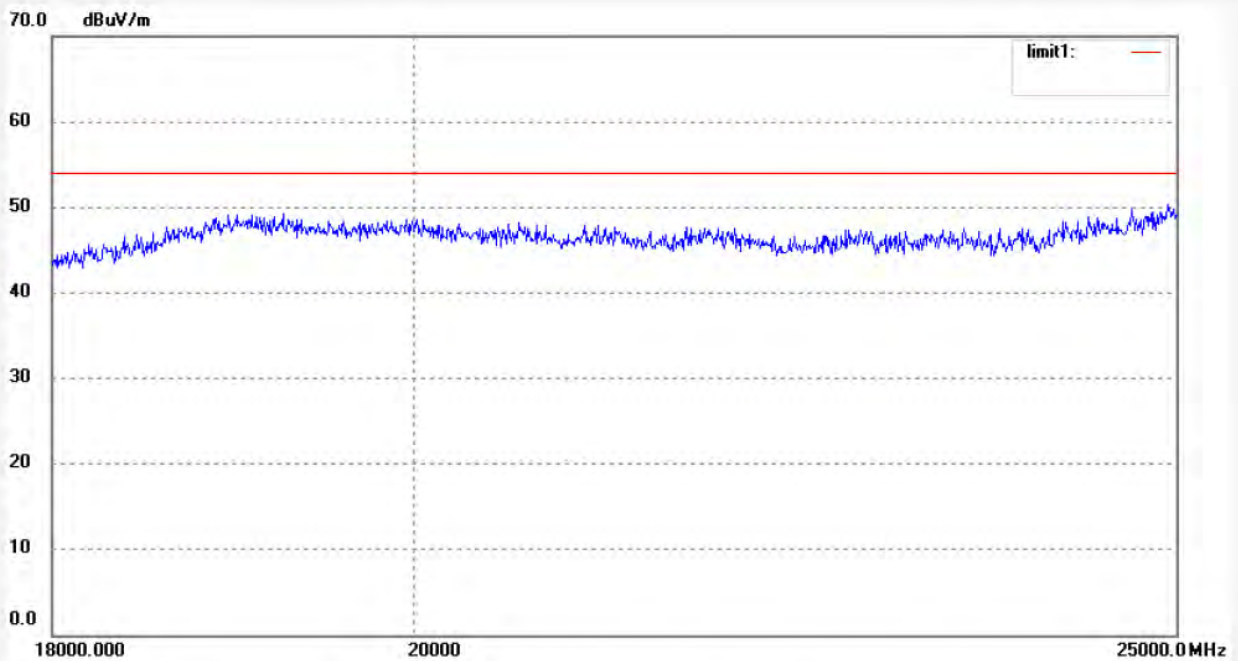
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #5919
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: TV BOX
Mode: TX Channel 6 (802.11n)
Model: IS-TV1200K
Manufacturer: SWAGTEK

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 12/06/27/
Time: 12:05:30
Engineer Signature: Bob
Distance:

Note: Report No.:ATE20121277



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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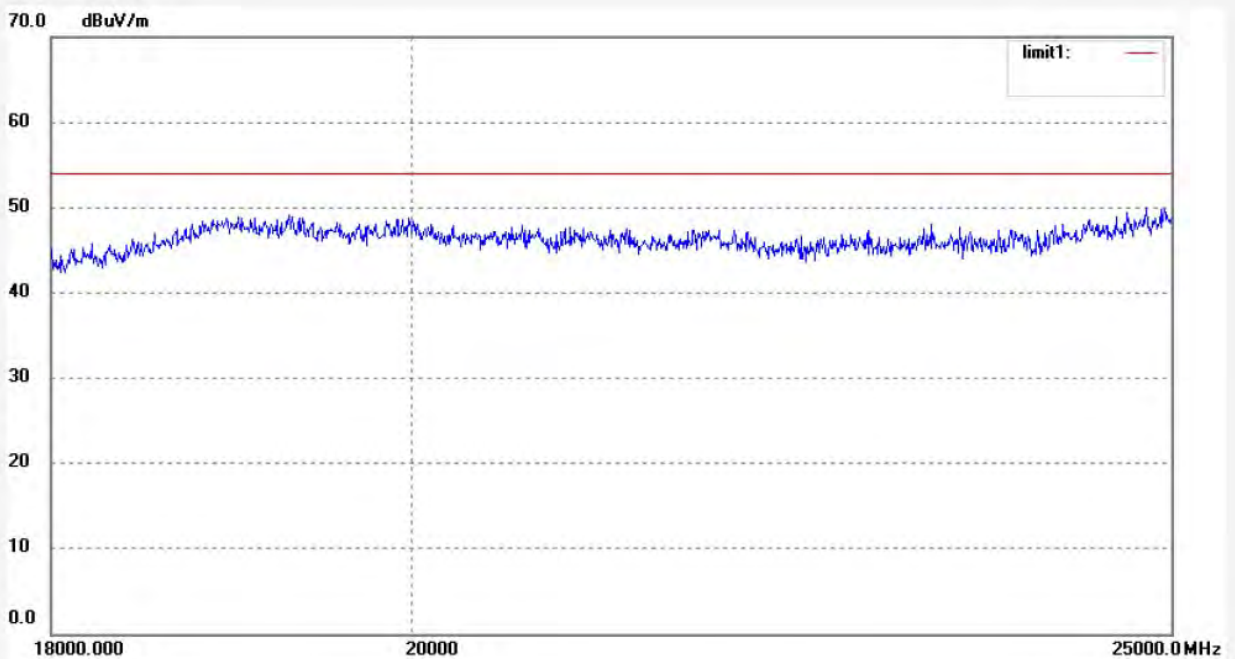
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #5918	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/27/
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 12:01:19
EUT: TV BOX	Engineer Signature: Bob
Mode: TX Channel 6 (802.11n)	Distance:
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report No.:ATE20121277



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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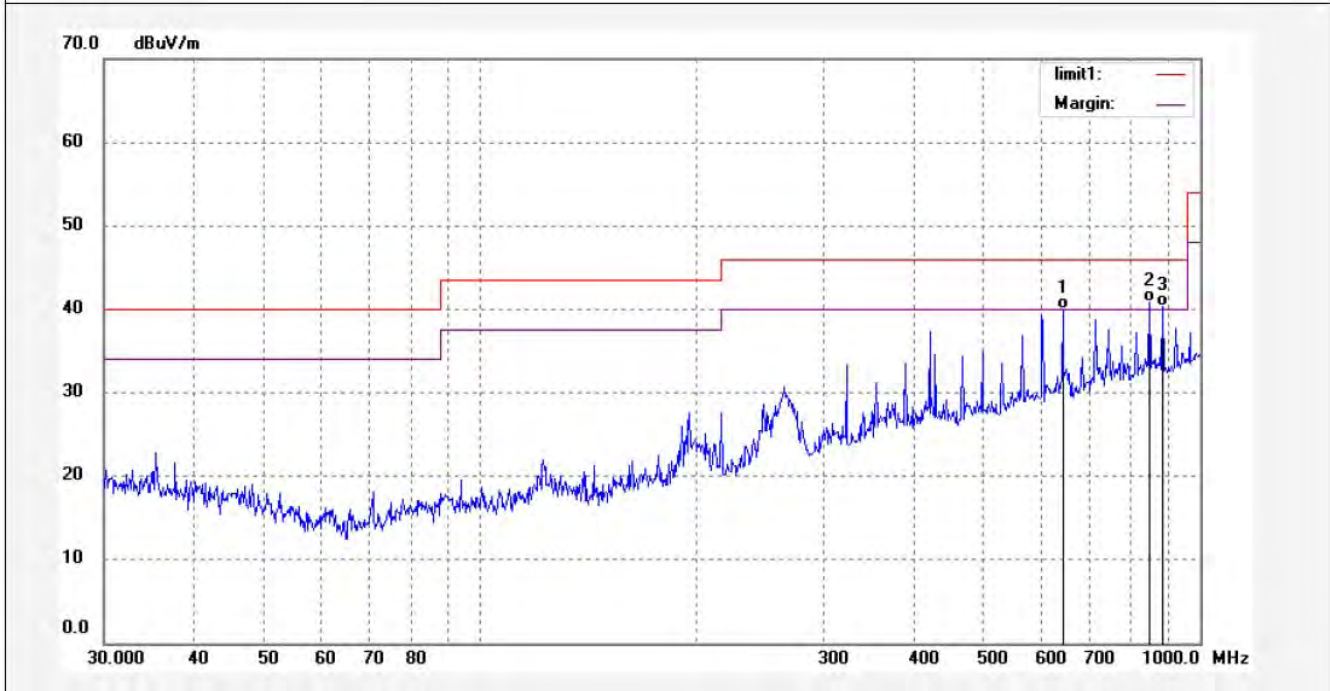
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2013	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/28/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 20:56:56
EUT: TV BOX	Engineer Signature:
Mode: TX Channel 9(802.11n)	Distance: 3m
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report NO.:ATE20121277



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	644.5531	13.90	26.08	39.98	46.00	-6.02	QP			
2	850.7603	12.42	28.36	40.78	46.00	-5.22	QP			
3	887.3978	11.53	28.77	40.30	46.00	-5.70	QP			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2014
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: TV BOX
Mode: TX Channel 9(802.11n)
Model: IS-TV1200K
Manufacturer: SWAGTEK

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 12/06/28/
Time: 20:59:39
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20121277



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	565.9776	12.78	25.27	38.05	46.00	-7.95	QP			
2	605.0509	12.69	25.64	38.33	46.00	-7.67	QP			
3	850.7603	12.46	28.36	40.82	46.00	-5.18	QP			



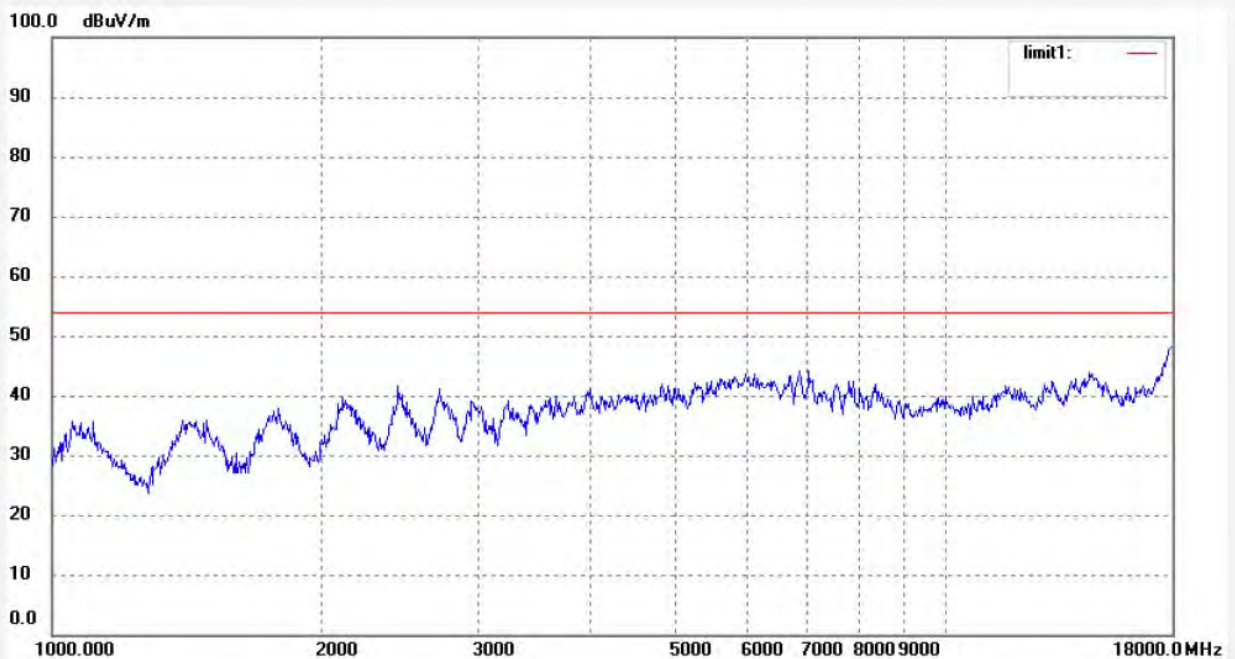
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2590	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/29/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9/32/54
EUT: TV BOX	Engineer Signature:
Mode: TX Channel 9(802.11n)	Distance:
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report NO.:ATE20121277



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



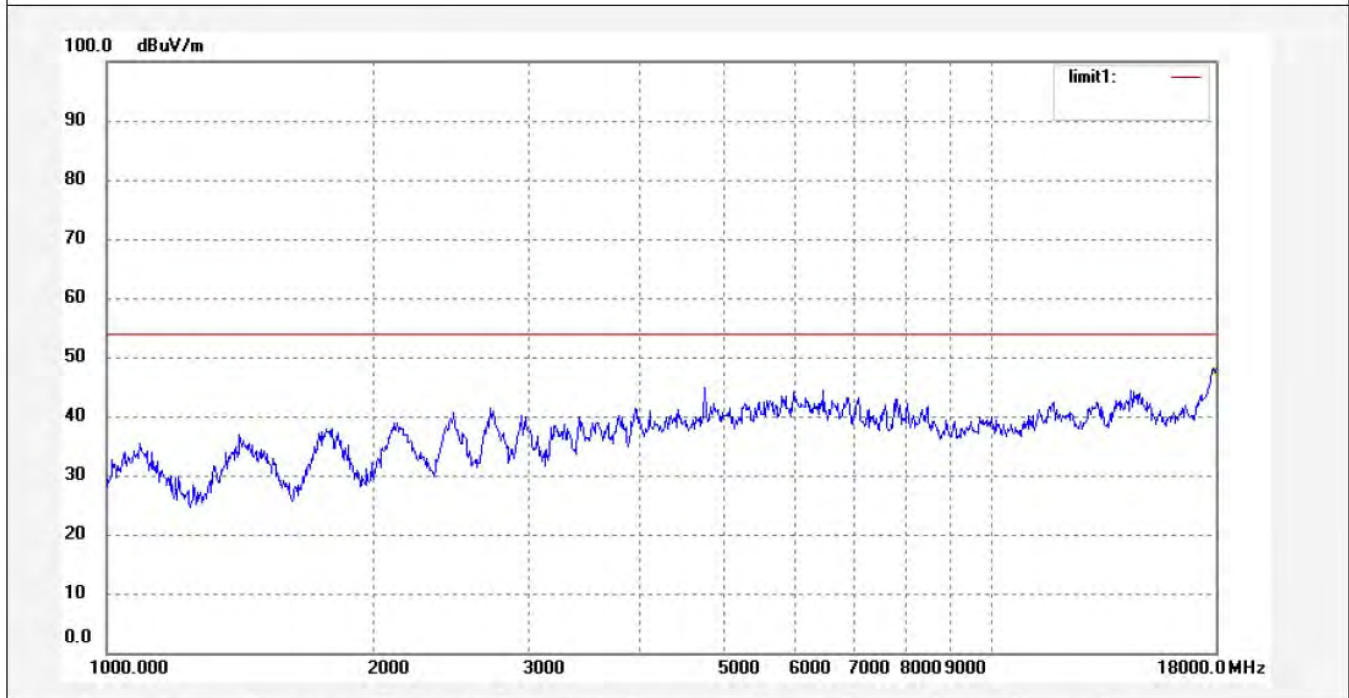
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2589	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/29/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9/28/51
EUT: TV BOX	Engineer Signature:
Mode: TX Channel 9(802.11n)	Distance:
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report NO.:ATE20121277



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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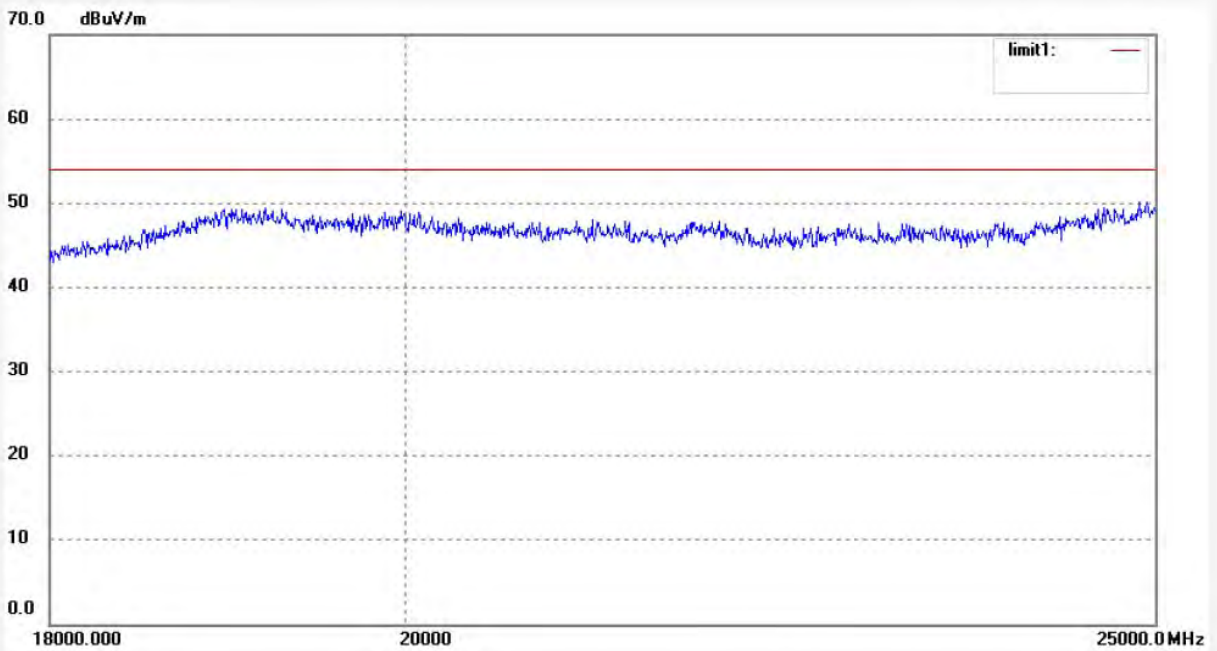
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #5920	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/27/
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 12:10:41
EUT: TV BOX	Engineer Signature: Bob
Mode: TX Channel 9 (802.11n)	Distance:
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

Note: Report No.:ATE20121277



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

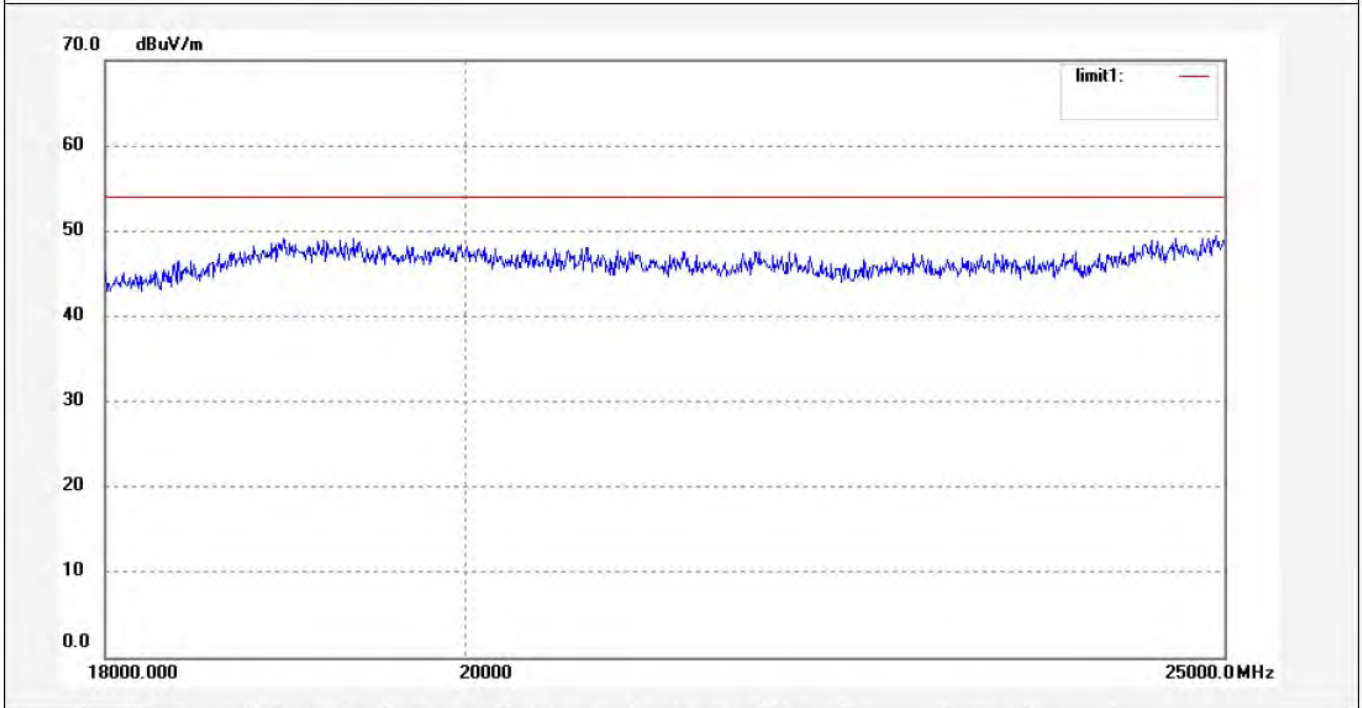


ACCURATE TECHNOLOGY CO., LTD.
 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: Bob #5921	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/27/
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 12:15:08
EUT: TV BOX	Engineer Signature: Bob
Mode: TX Channel 9 (802.11n)	Distance:
Model: IS-TV1200K	
Manufacturer: SWAGTEK	

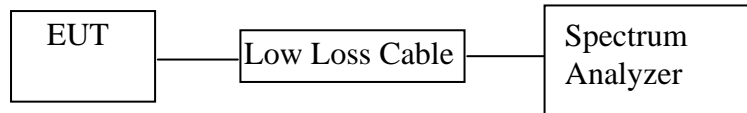
Note: Report No.:ATE20121277



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: TV BOX)

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. TV BOX (EUT)

Model Number	:	IS-TV1200K
Serial Number	:	N/A
Manufacturer	:	SWAGTEK

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).

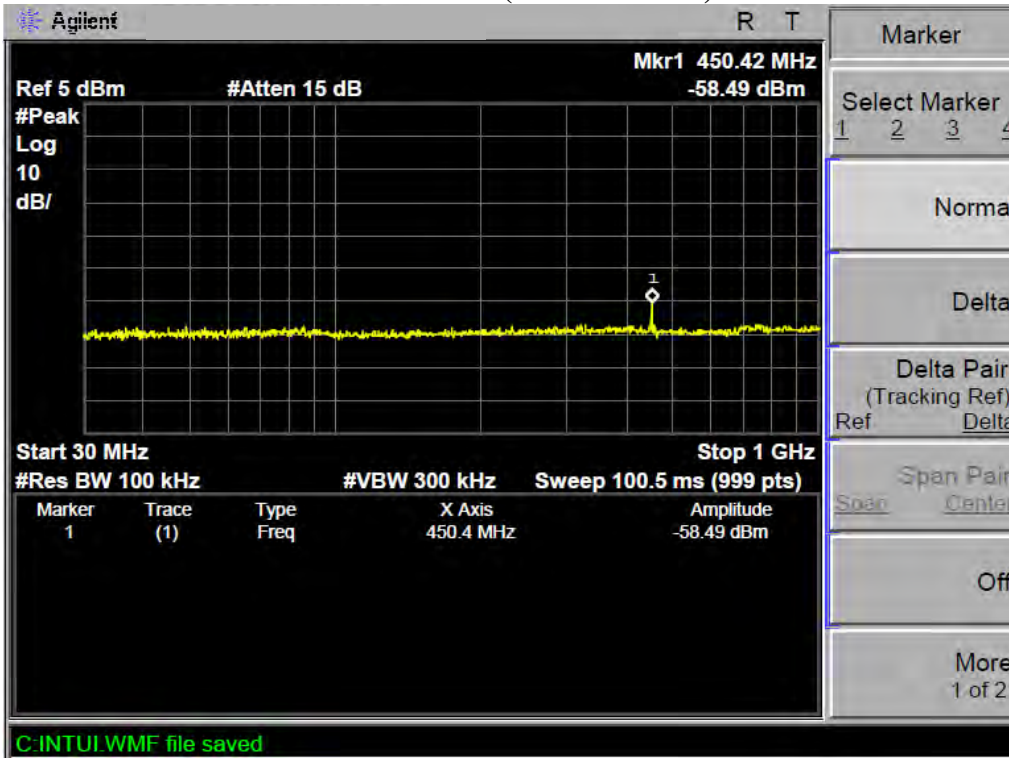
10.5.4. The Conducted Spurious Emission was measured and recorded.

10.6. Test Result

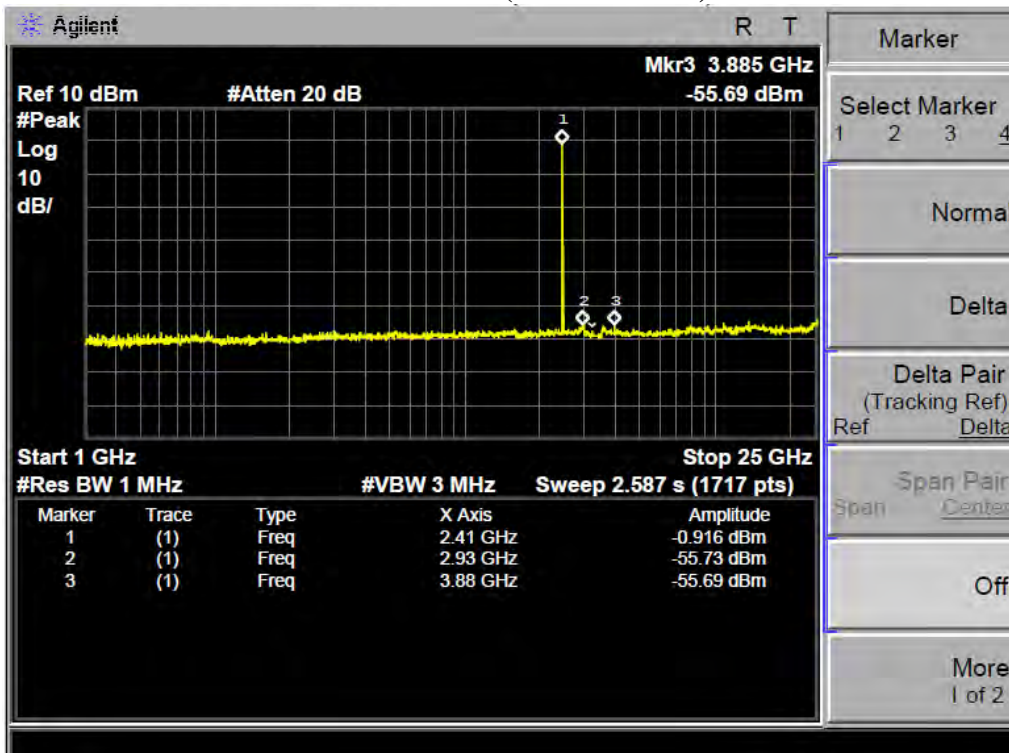
Pass.

The spectrum analyzer plots are attached as below.

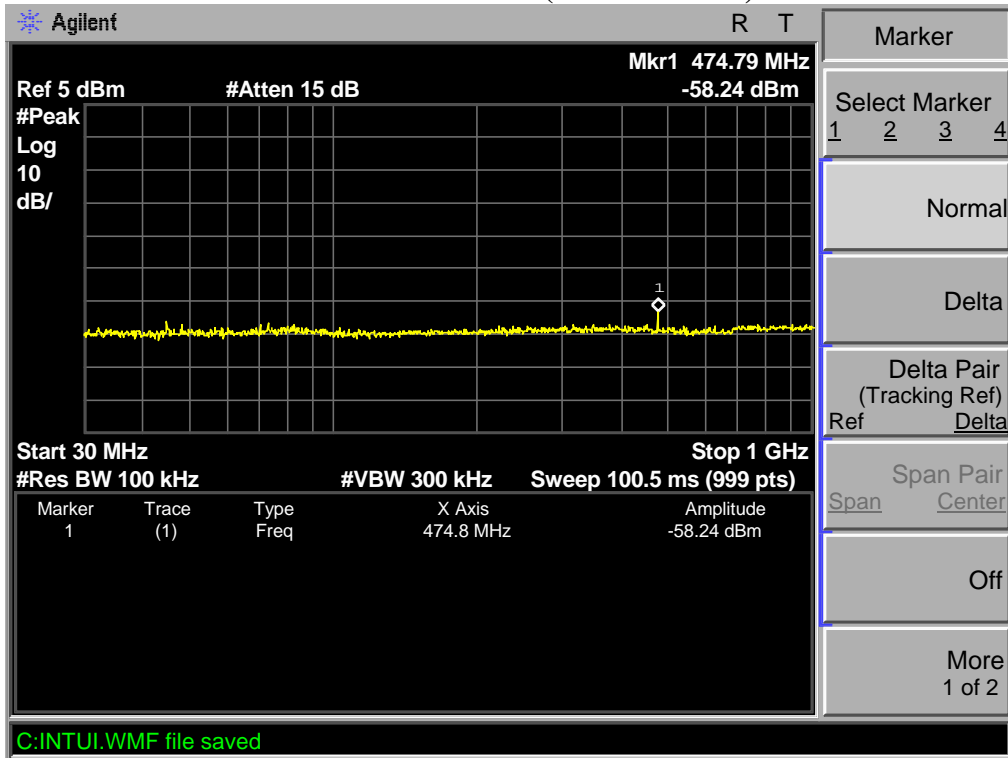
TX 802.11b Channel Low 2412MHz (30MHz-1GHz)



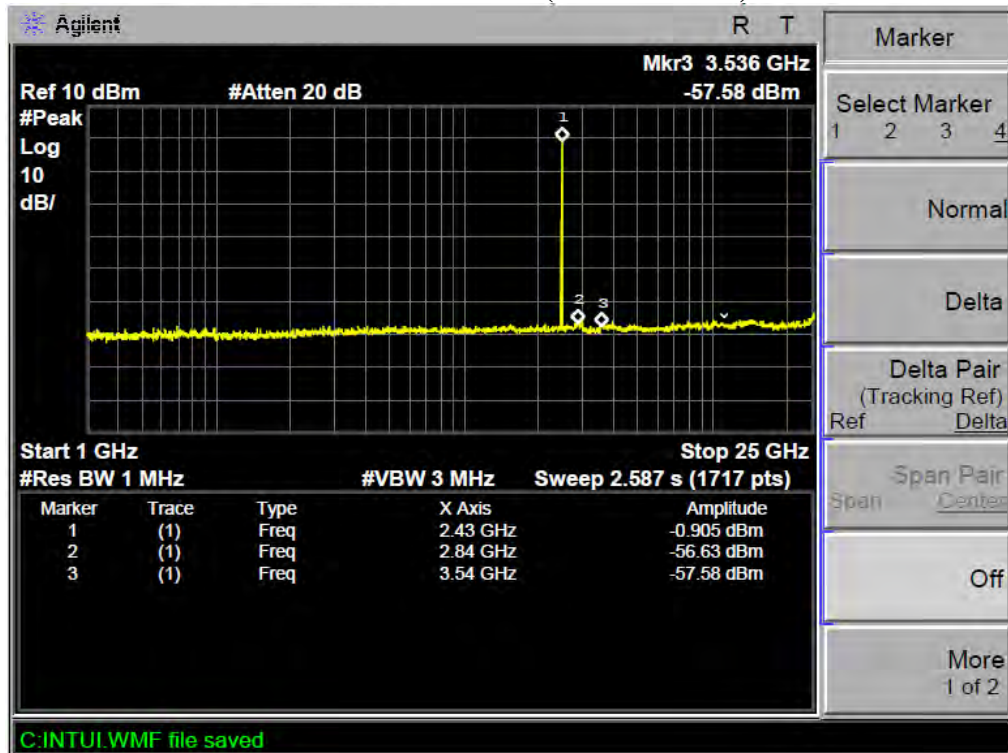
TX 802.11b Channel Low 2412MHz (1GHz-25GHz)



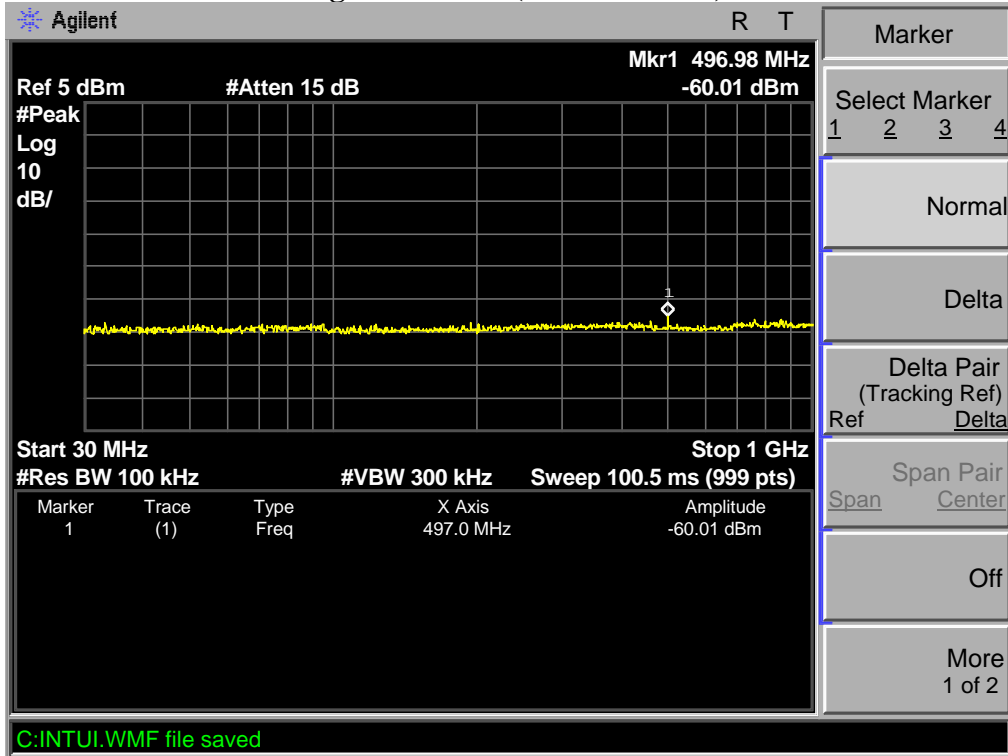
TX 802.11b Channel Middle 2437MHz (30MHz-1GHz)



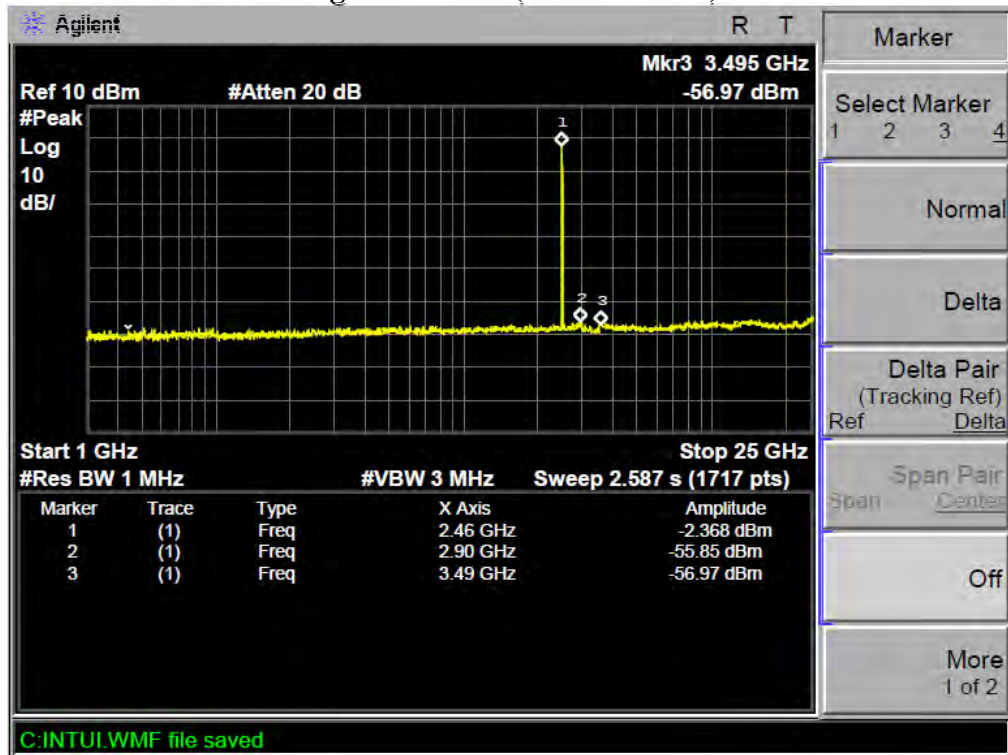
TX 802.11b Channel Middle 2437MHz (1GHz-25GHz)



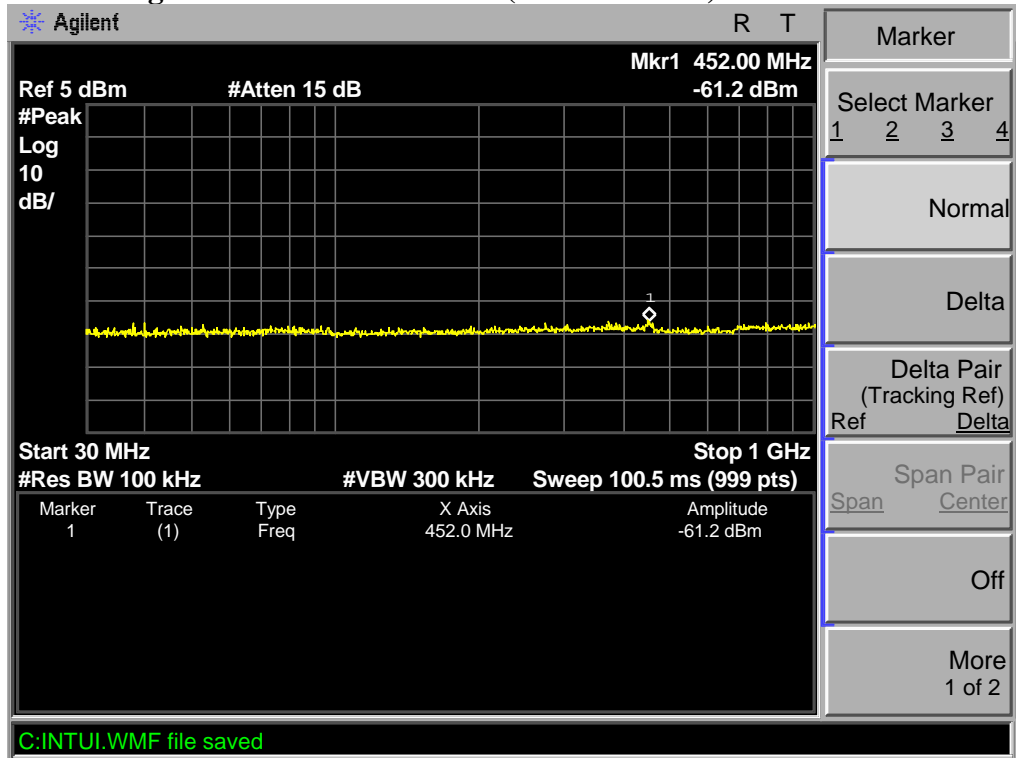
TX 802.11b Channel High 2462MHz (30MHz-1GHz)



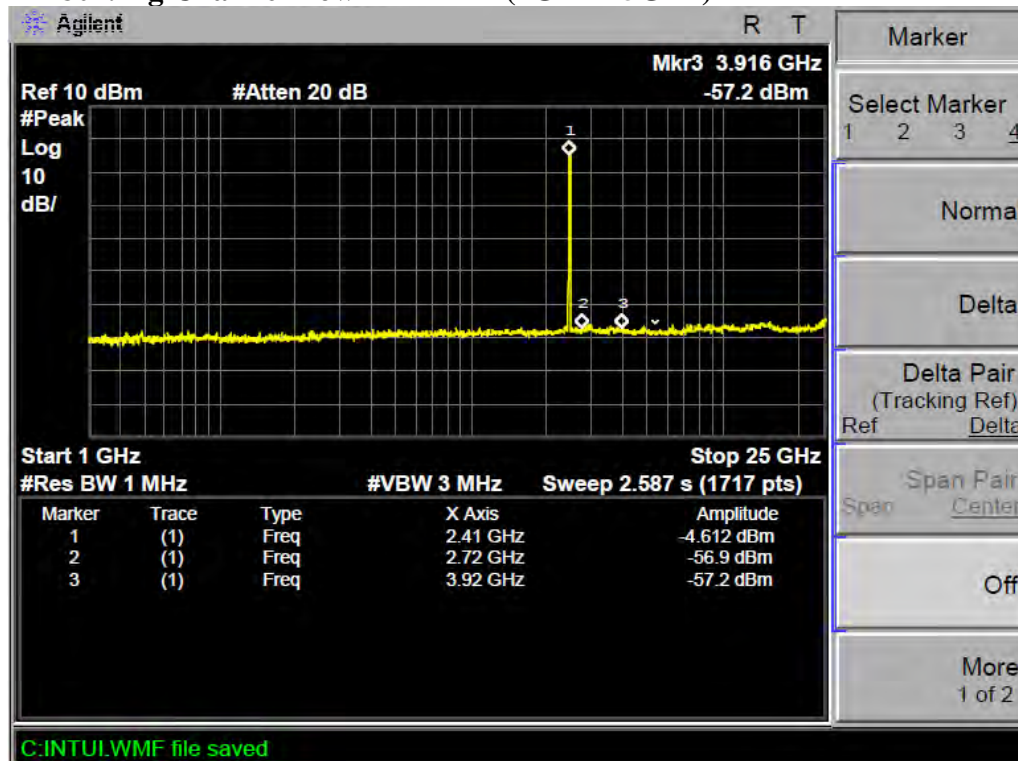
TX 802.11b Channel High 2462MHz (1GHz-25GHz)



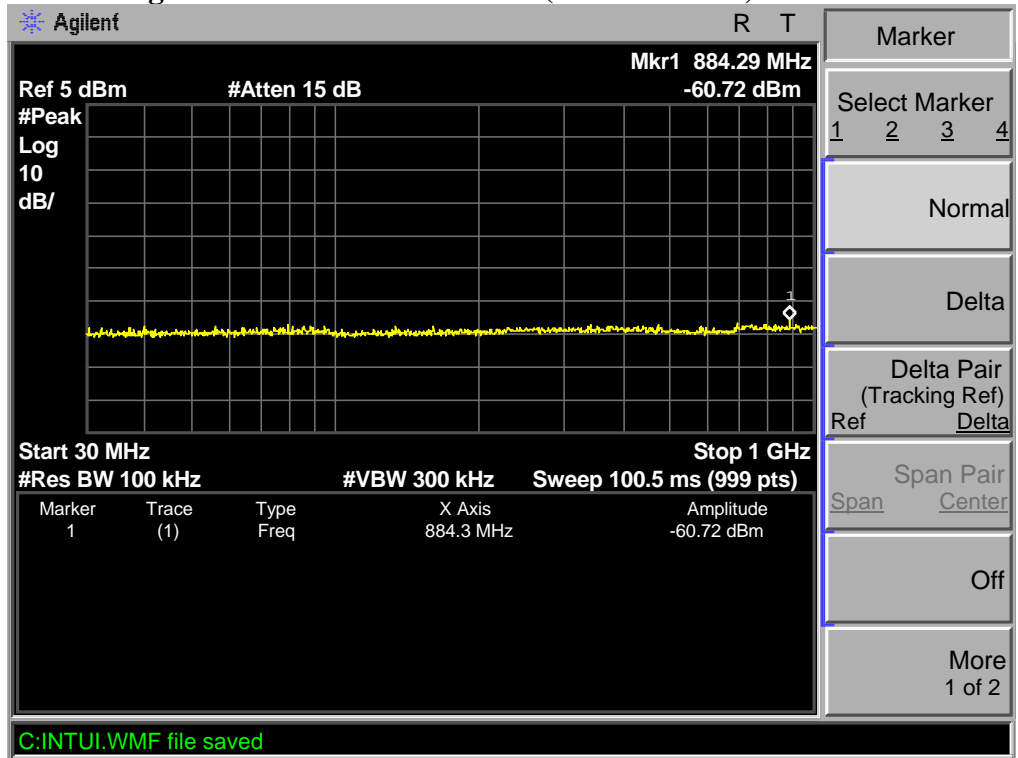
TX 802.11g Channel Low 2412MHz (30MHz-1GHz)



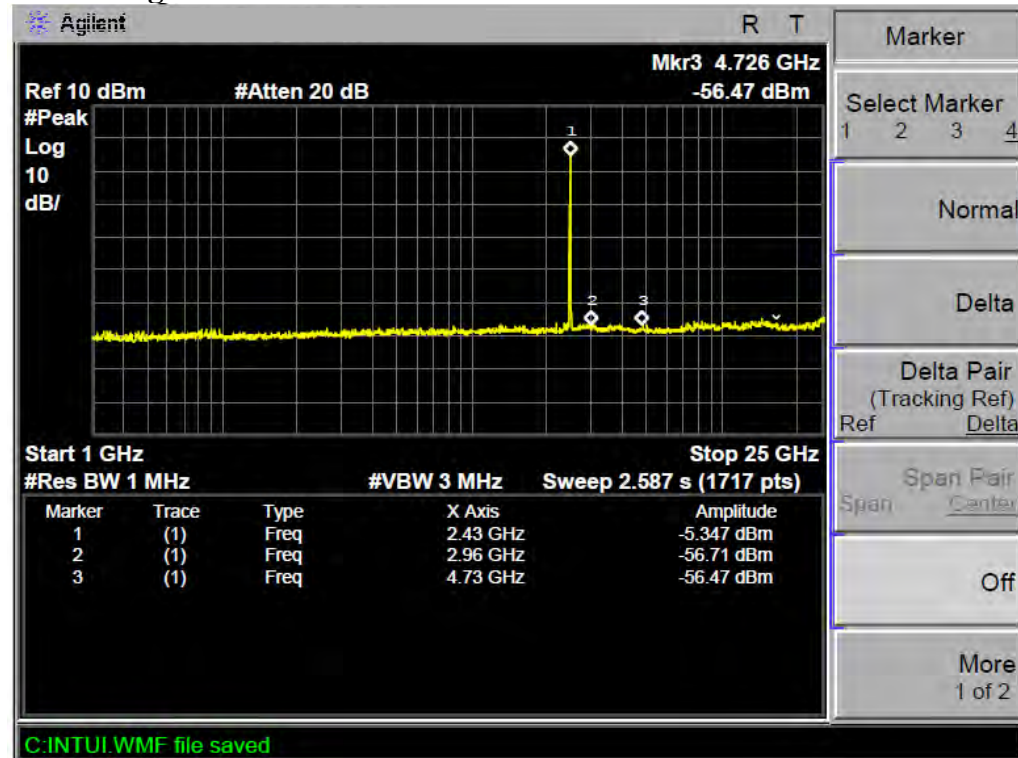
TX 802.11g Channel Low 2412MHz (1GHz-25GHz)



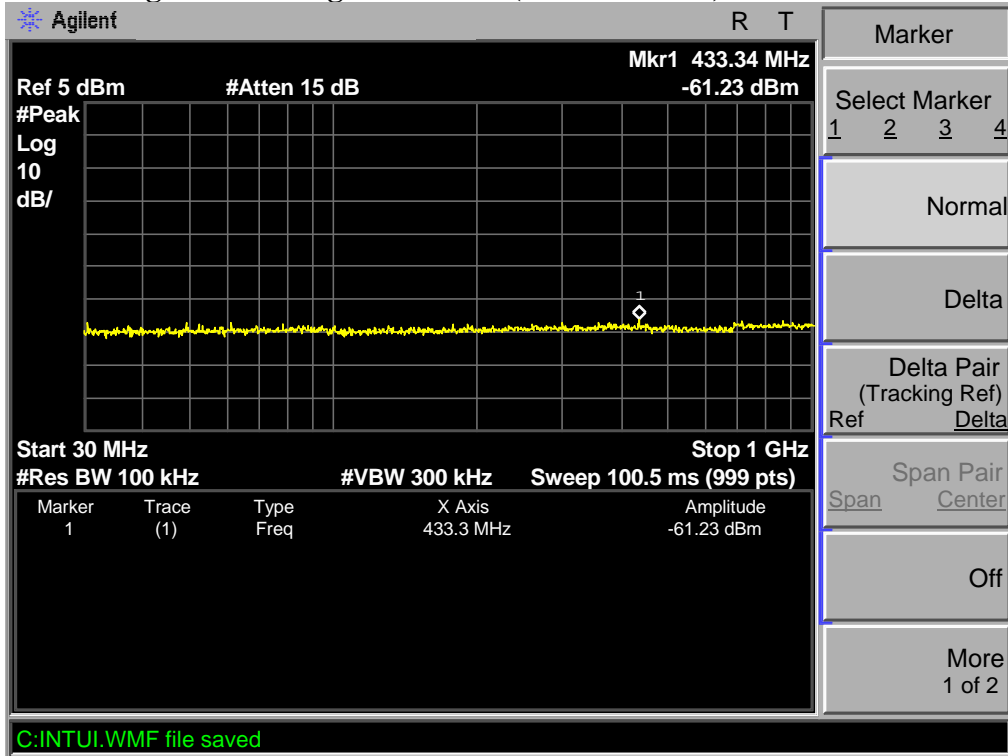
TX 802.11g Channel Middle 2437MHz (30MHz-1GHz)



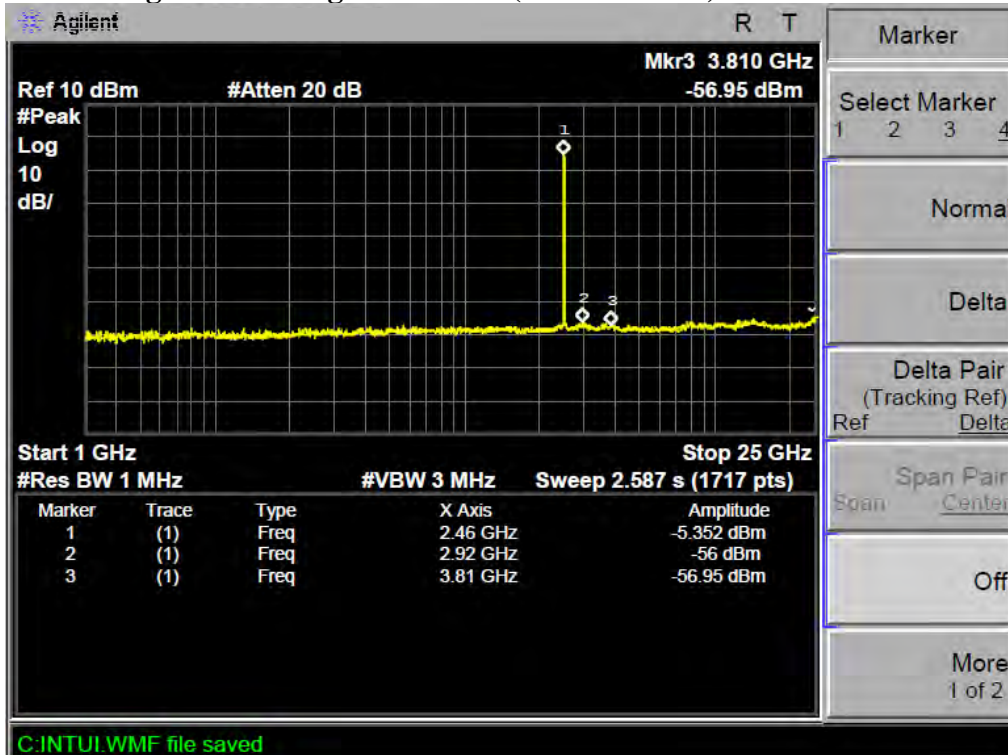
TX 802.11g Channel Middle 2437MHz



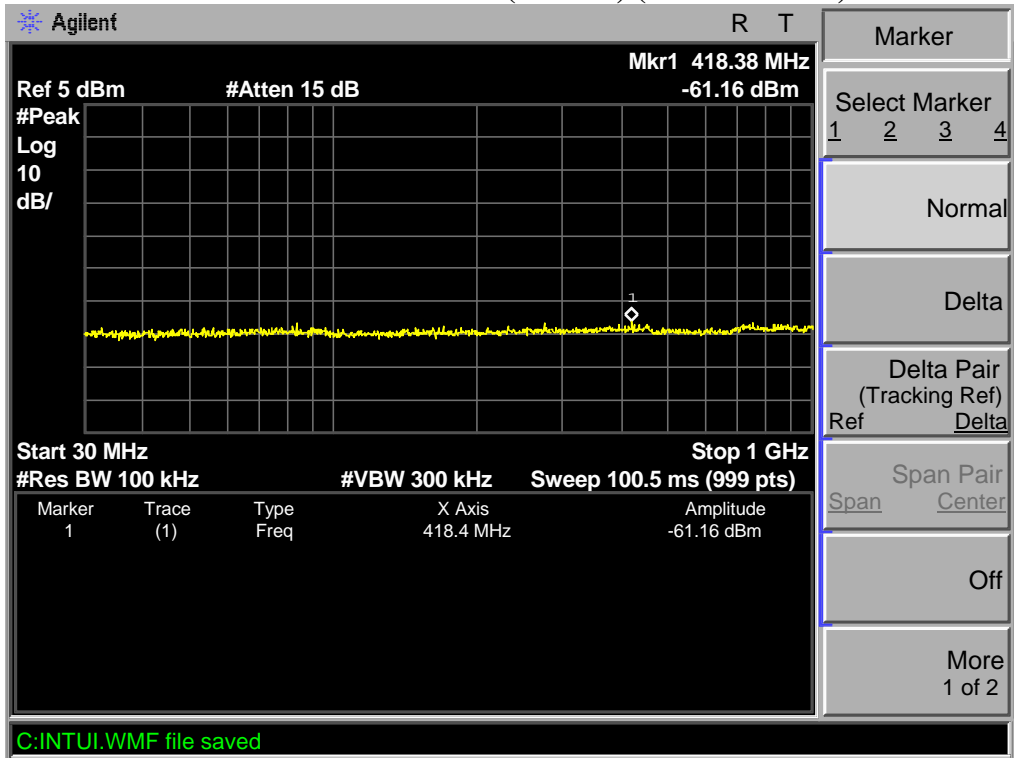
TX 802.11g Channel High 2462MHz (30MHz-1GHz)



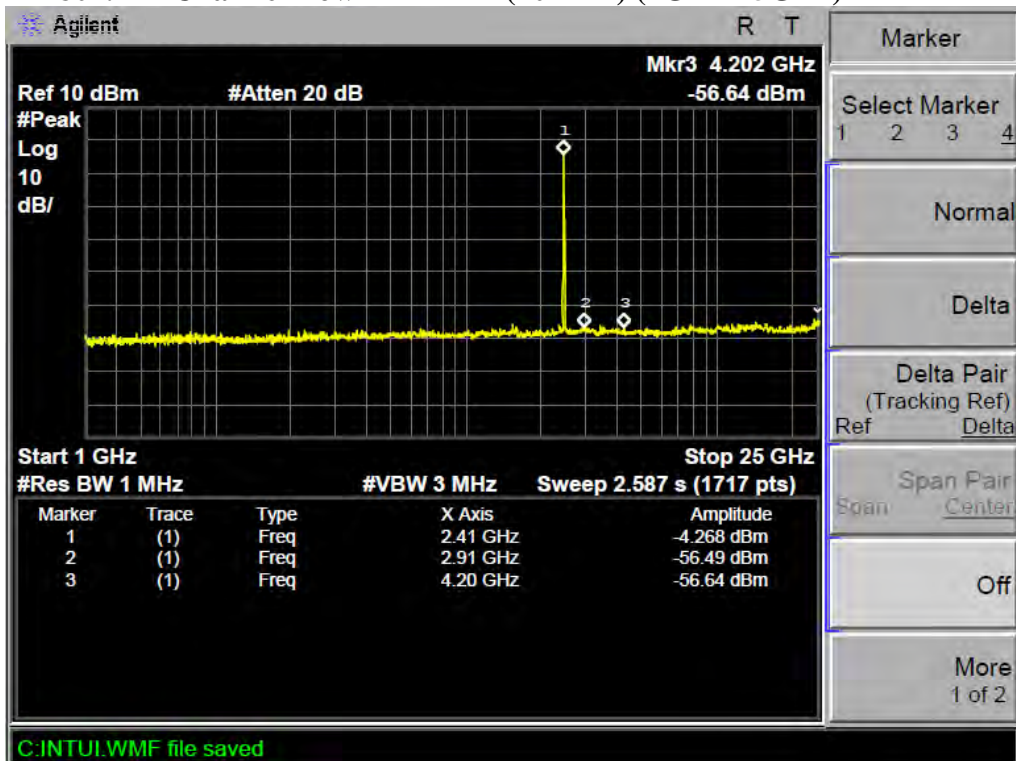
TX 802.11g Channel High 2462MHz (1GHz-25GHz)



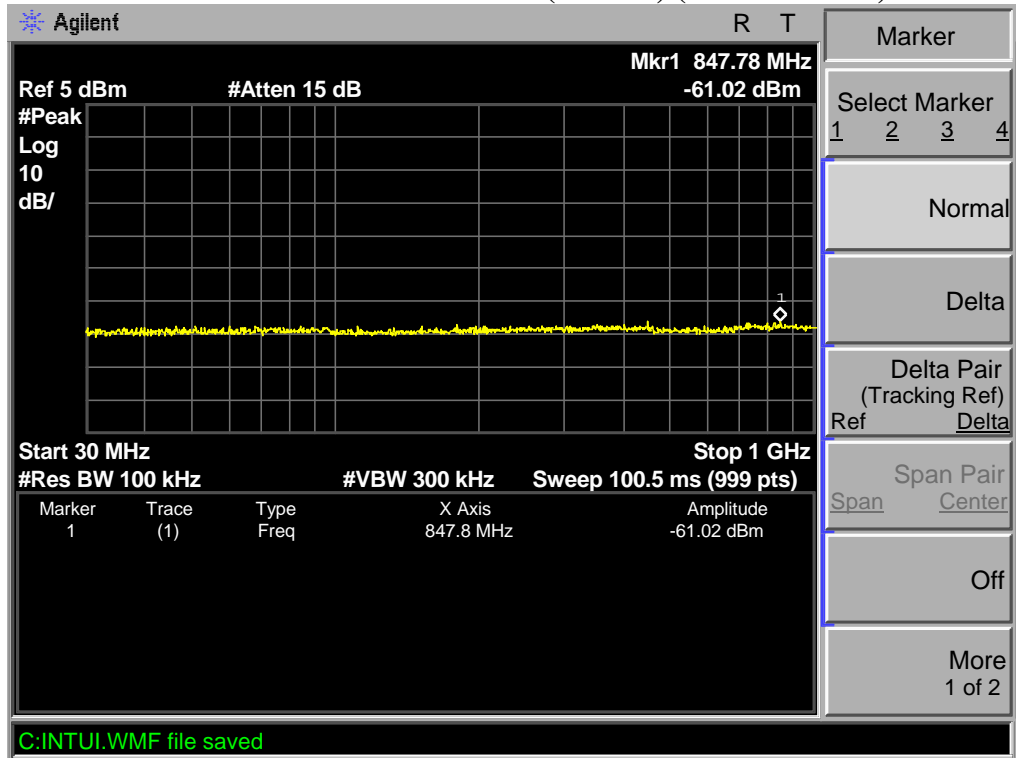
TX 802.11n Channel Low 2412MHz (20MHz) (30MHz-1GHz)



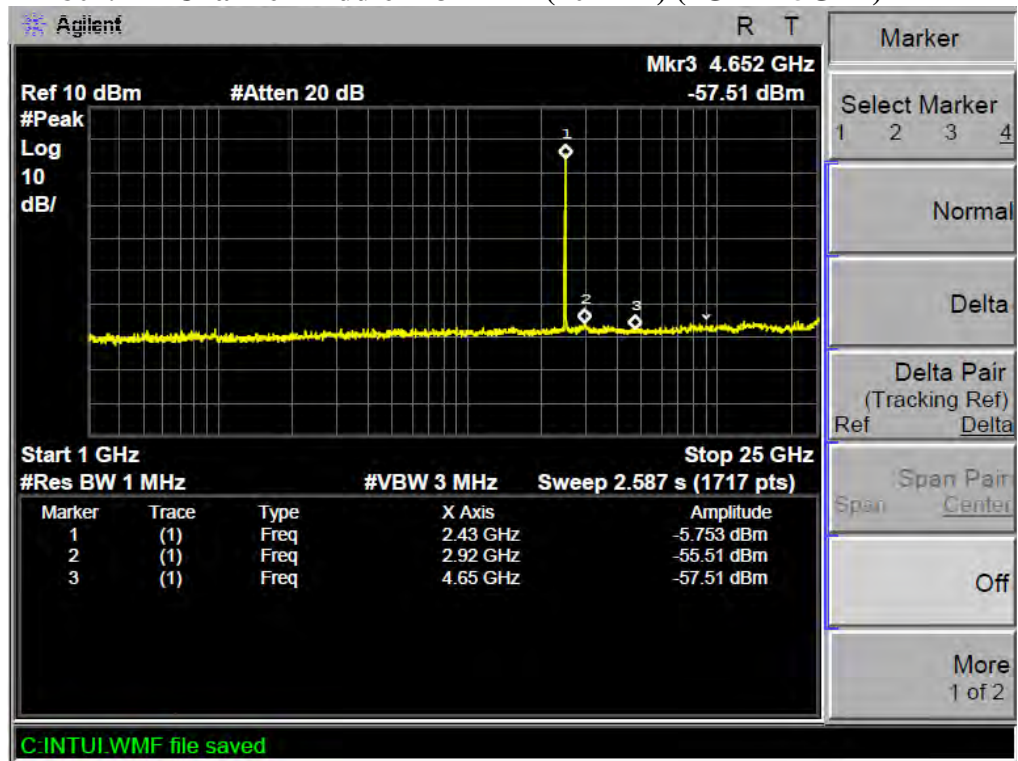
TX 802.11n Channel Low 2412MHz (20MHz) (1GHz-25GHz)



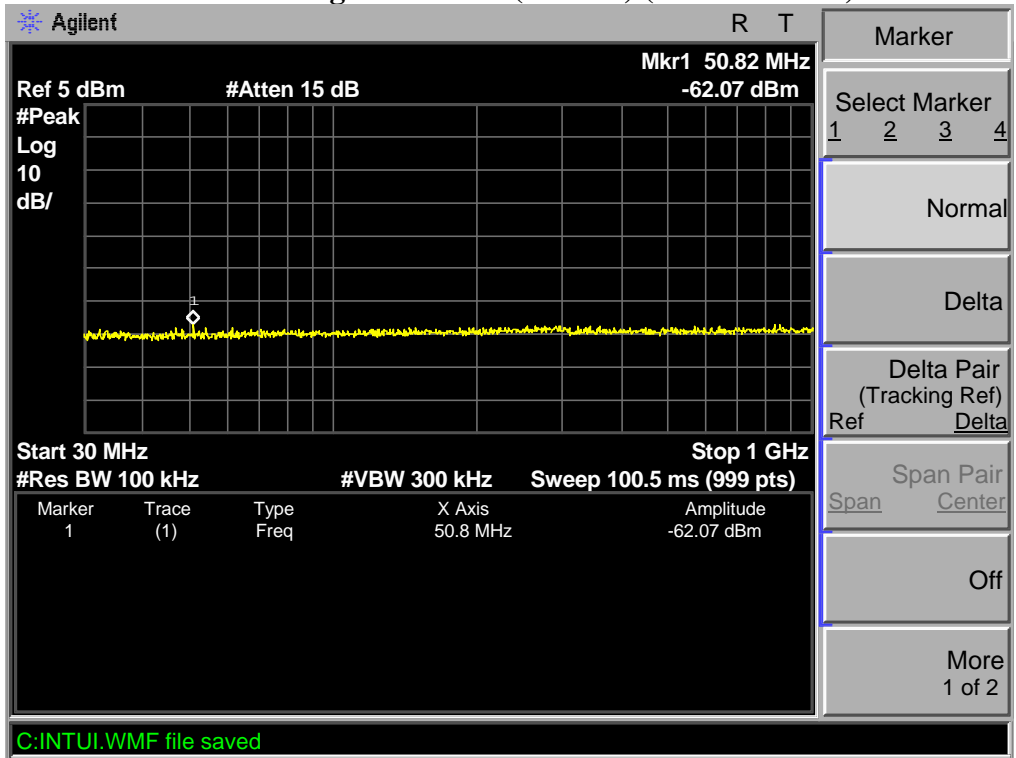
TX 802.11n Channel Middle 2437MHz (20MHz) (30MHz-1GHz)



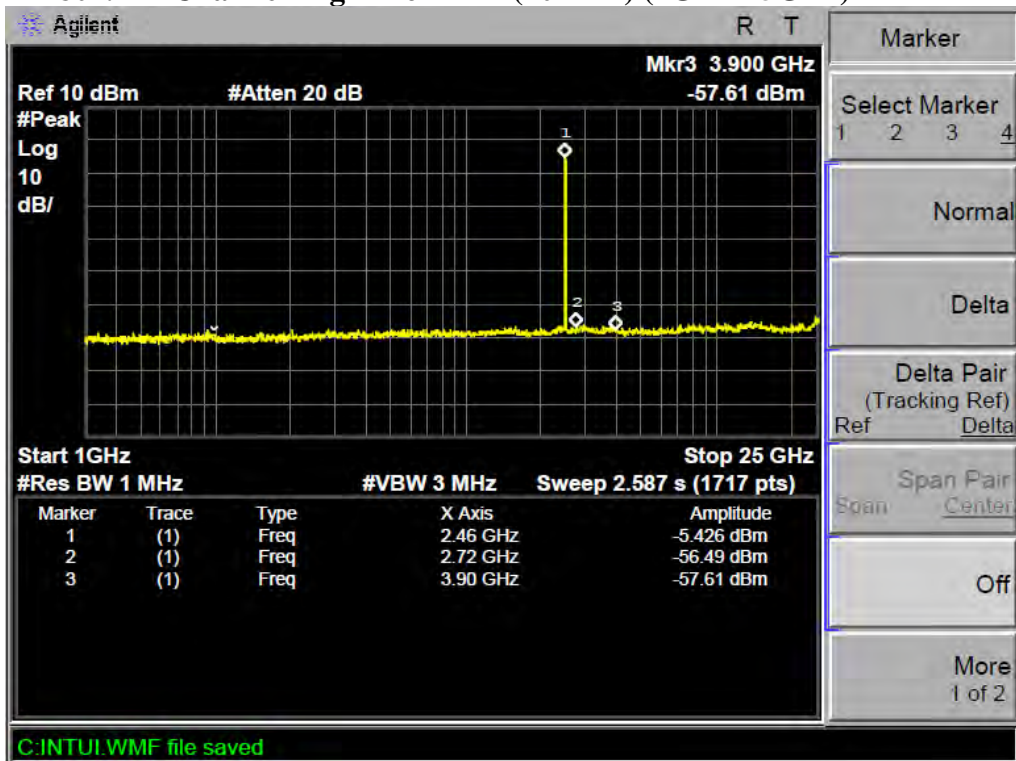
TX 802.11n Channel Middle 2437MHz (20MHz) (1GHz-25GHz)



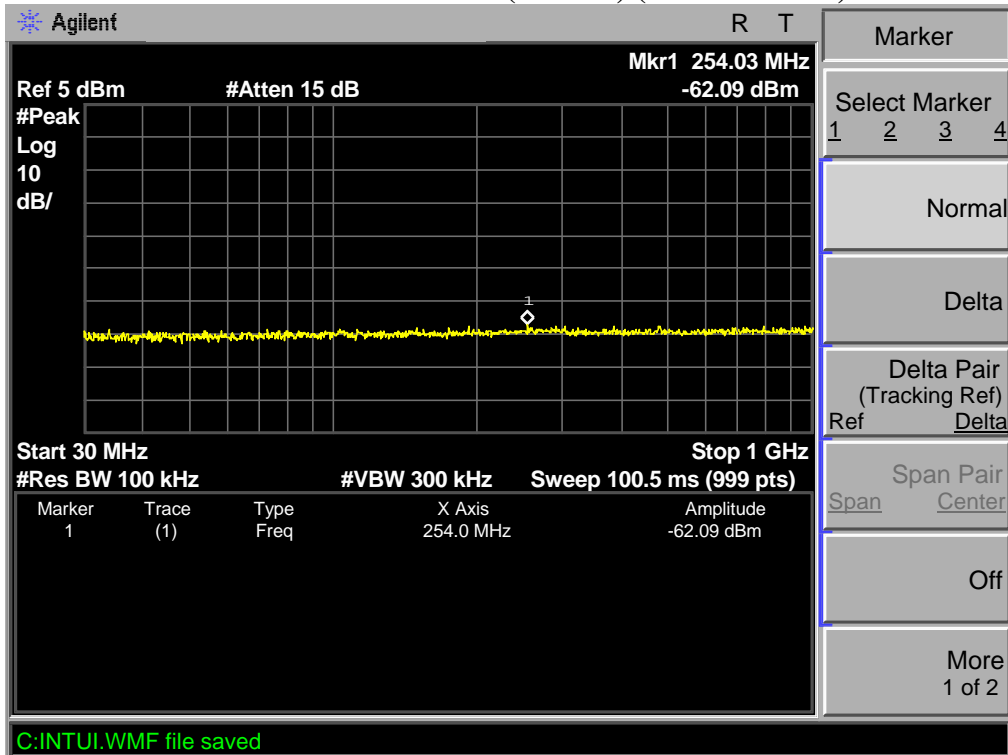
TX 802.11n Channel High 2462MHz (20MHz) (30MHz-1GHz)



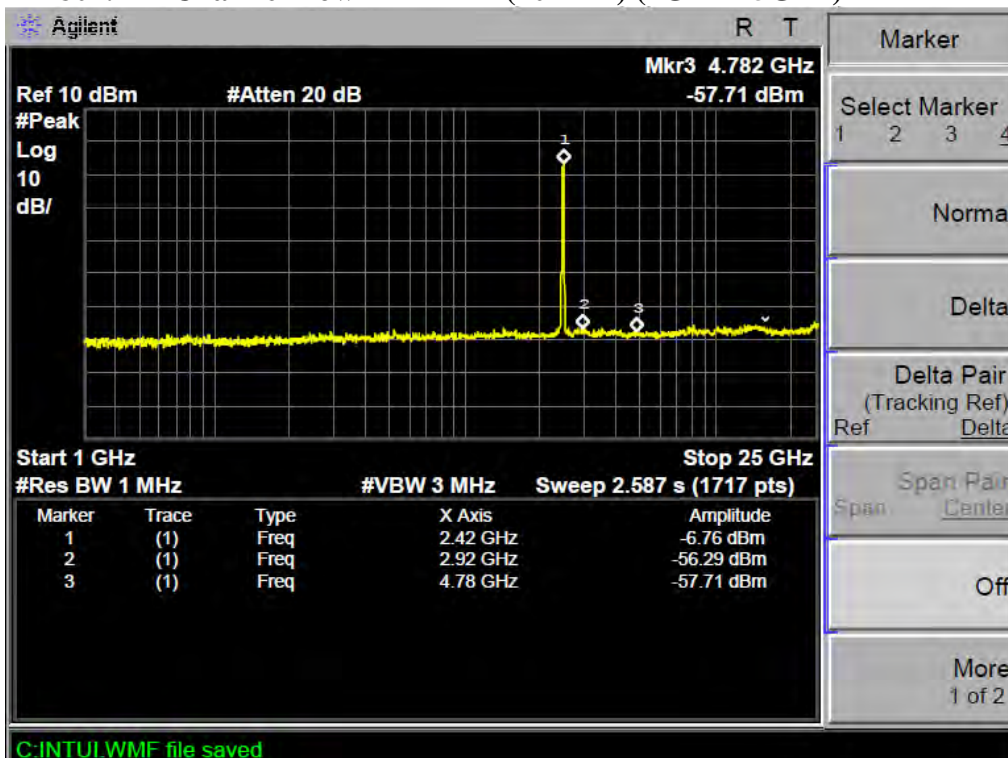
TX 802.11n Channel High 2462MHz (20MHz) (1GHz-25GHz)



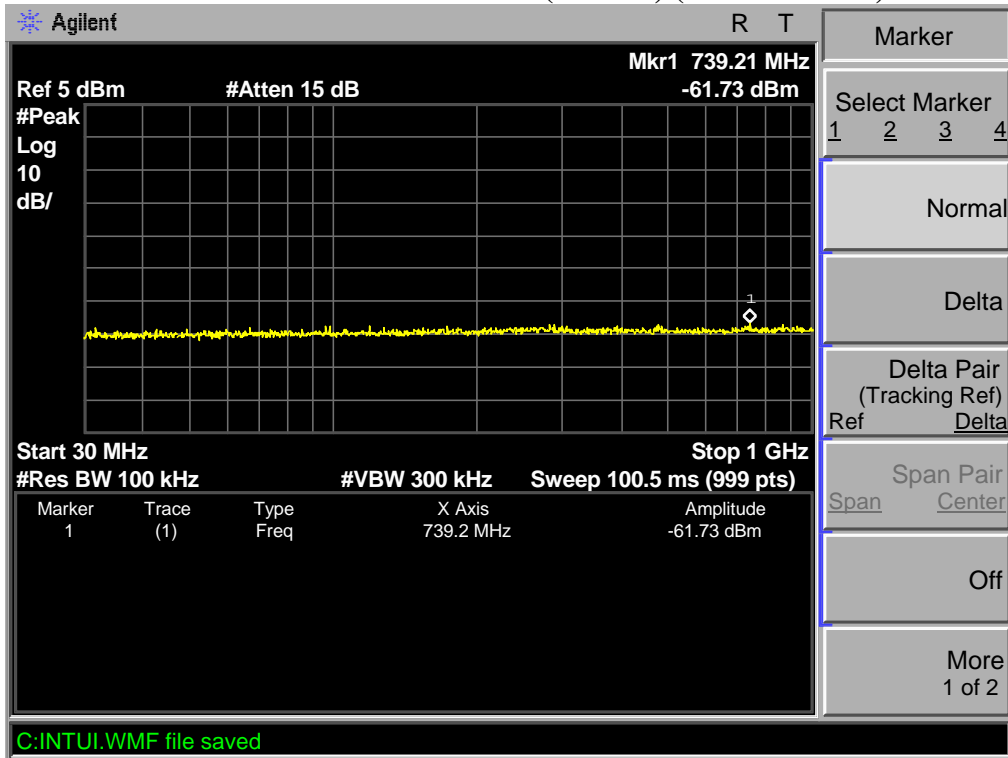
TX 802.11n Channel Low 2422MHz (40MHz) (30MHz-1GHz)



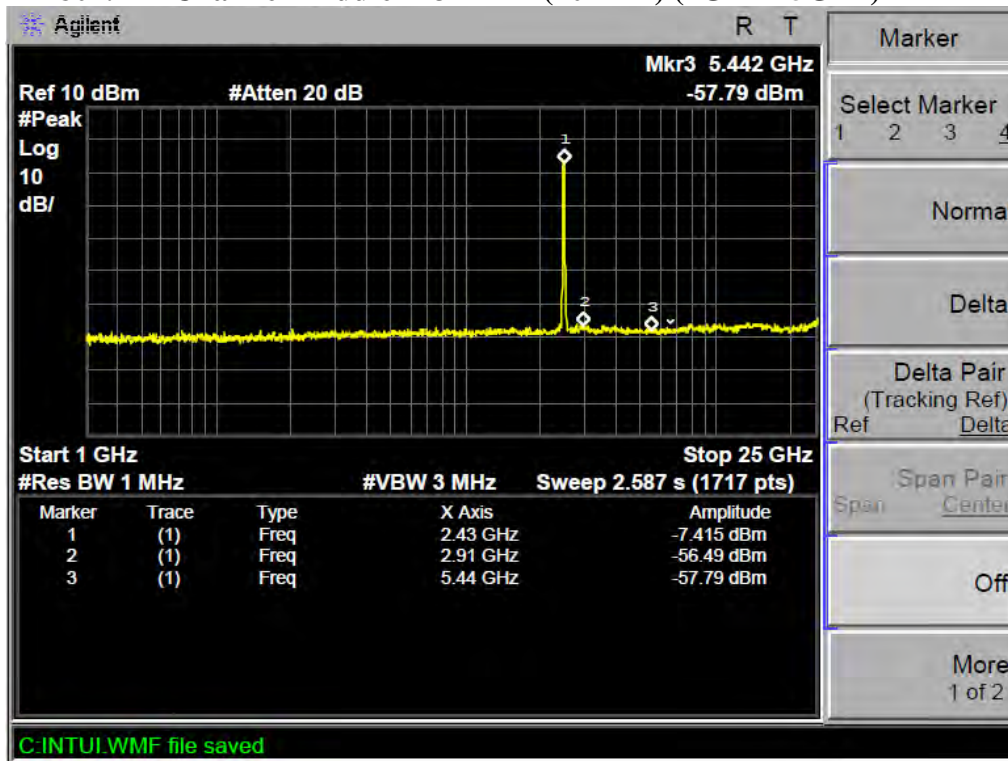
TX 802.11n Channel Low 2422MHz (40MHz) (1GHz-25GHz)



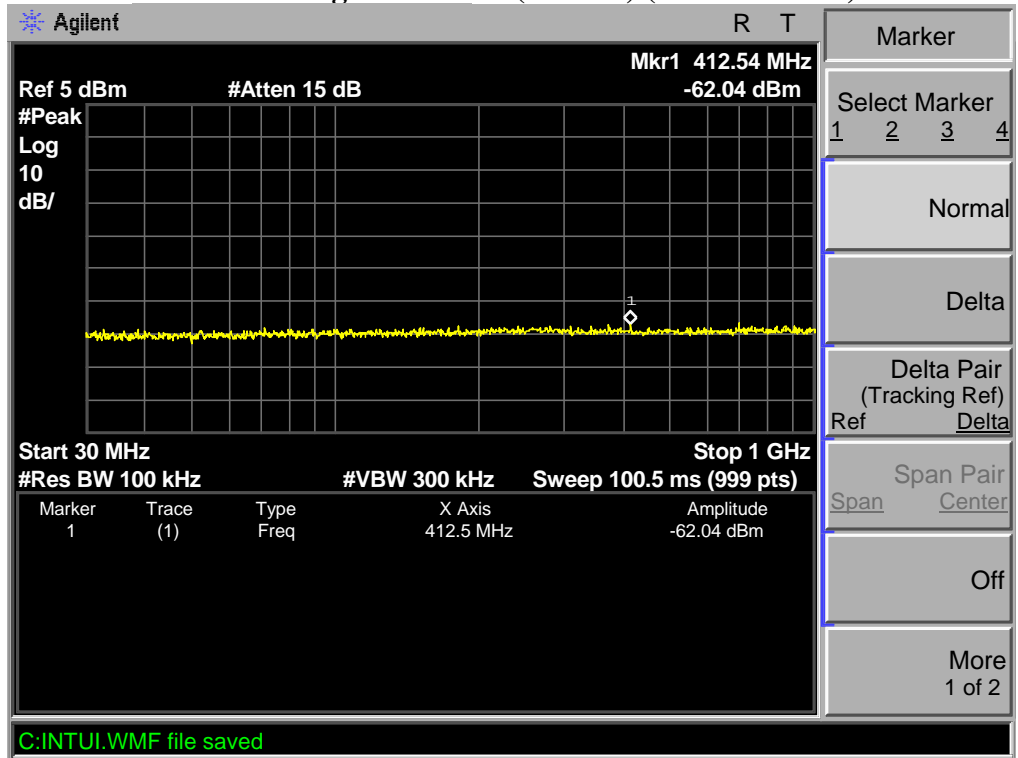
TX 802.11n Channel Middle 2437MHz (40MHz) (30MHz-1GHz)



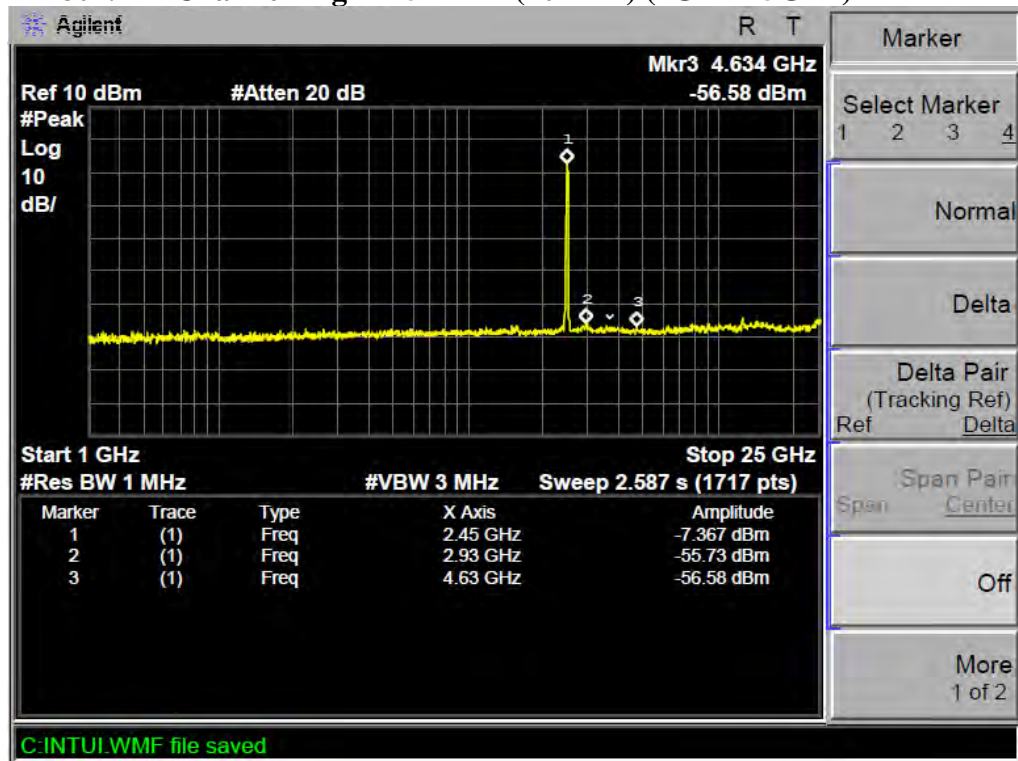
TX 802.11n Channel Middle 2437MHz (40MHz) (1GHz-25GHz)



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



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

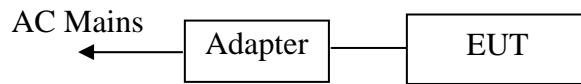


11.AC POWER LINE CONDUCTED EMISSION FOR FCC PART

15 SECTION 15.207(A)

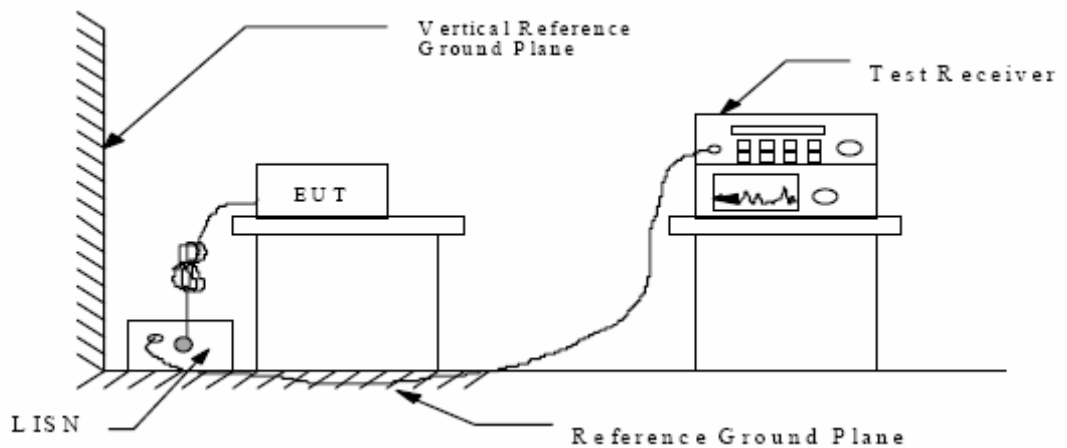
11.1.Block Diagram of Test Setup

11.1.1.Block diagram of connection between the EUT and simulators



(EUT: TV BOX)

11.1.2.Shielding Room Test Setup Diagram



(EUT: TV BOX)

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. TV BOX (EUT)

Model Number : IS-TV1200K
Serial Number : N/A
Manufacturer : SWAGTEK

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: 2003 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>June 29, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>TV BOX</u>	Humidity:	<u>50%</u>
Model No.:	<u>IS-TV1200K</u>	Power Supply:	<u>AC 120V/60Hz</u>
Test Mode:	<u>Tx</u>	Test Engineer:	<u>Pei</u>

Frequency (MHz)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	Line
0.613500	32.70	56	-23.3	QP	Neutral
1.56300	34.10	56	-21.9	QP	
12.646500	47.00	60	-13.0	QP	
12.574500	42.30	50	-7.7	AV	
12.579000	45.20	50	-4.8	AV	
12.849000	44.20	50	-5.8	AV	
0.613500	32.70	56	-23.3	QP	Live
1.356000	35.30	56	-20.7	QP	
12.763500	47.20	60	-12.8	QP	
1.356000	30.70	46	-15.3	AV	
12.493500	45.80	50	-4.2	AV	
12.768000	47.30	50	-2.7	AV	

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

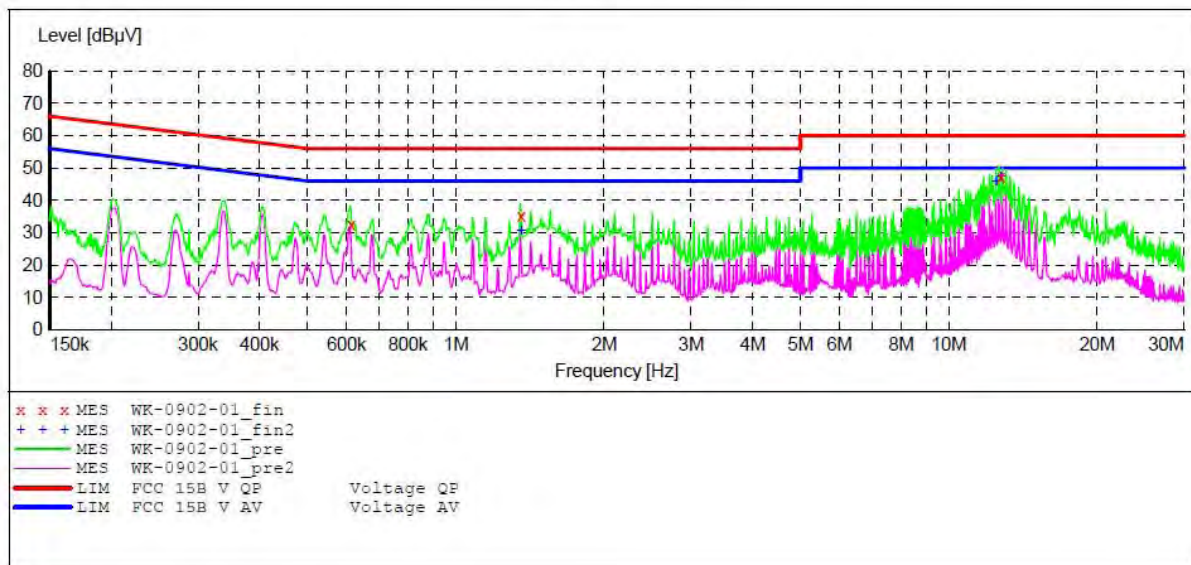
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: TV BOX M/N:IS-TV1200K
 Manufacturer: SWAGTEK
 Operating Condition: TX
 Test Site: 1#Shielding Room
 Operator: Bob
 Test Specification: L 120V/60Hz
 Comment: Mains port
 Report No.: ATE20121277

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 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "WK-0902-01_fin"

6/29/2012 10:16AM

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.613500	32.70	12.0	56	23.3	QP	L1	GND
1.356000	35.30	11.8	56	20.7	QP	L1	GND
12.763500	47.20	11.2	60	12.8	QP	L1	GND

MEASUREMENT RESULT: "WK-0902-01_fin2"

6/29/2012 10:16AM

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
1.356000	30.70	11.8	46	15.3	AV	L1	GND
12.493500	45.80	11.2	50	4.2	AV	L1	GND
12.768000	47.30	11.2	50	2.7	AV	L1	GND

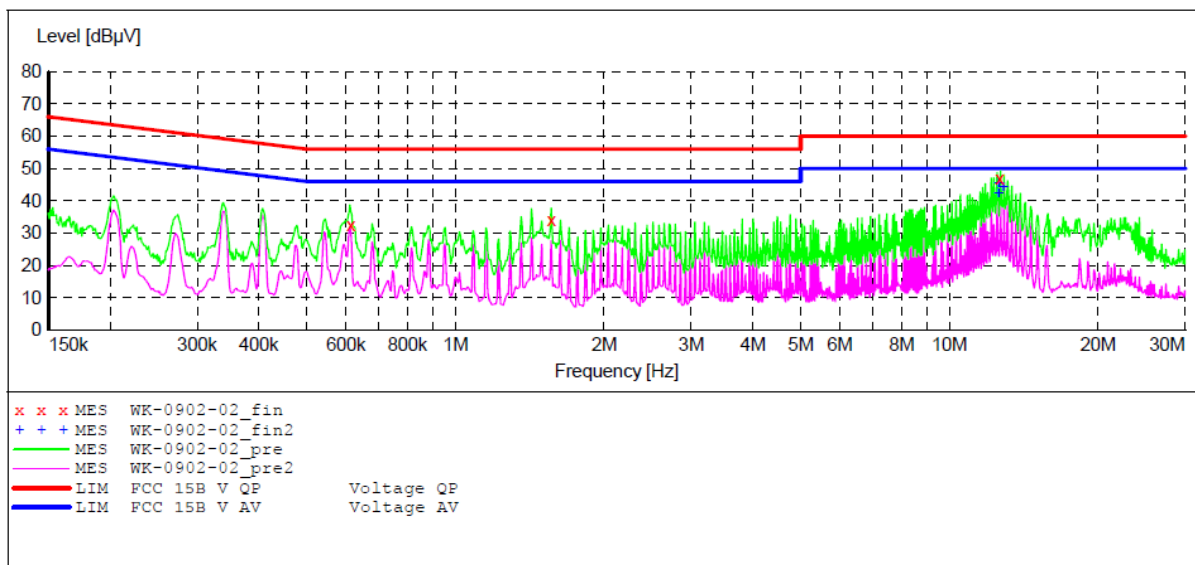
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: TV BOX M/N:IS-TV1200K
 Manufacturer: SWAGTEK
 Operating Condition: TX
 Test Site: 1#Shielding Room
 Operator: Bob
 Test Specification: N 120V/60Hz
 Comment: Mains port
 Report No.: ATE20121277

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 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "WK-0902-02_fin"

6/29/2012 10:23AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.613500	32.70	12.0	56	23.3	QP	N	GND
1.563000	34.10	11.7	56	21.9	QP	N	GND
12.646500	47.00	11.2	60	13.0	QP	N	GND

MEASUREMENT RESULT: "WK-0902-02_fin2"

6/29/2012 10:23AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
12.574500	42.30	11.2	50	7.7	AV	N	GND
12.579000	45.20	11.2	50	4.8	AV	N	GND
12.849000	44.20	11.2	50	5.8	AV	N	GND

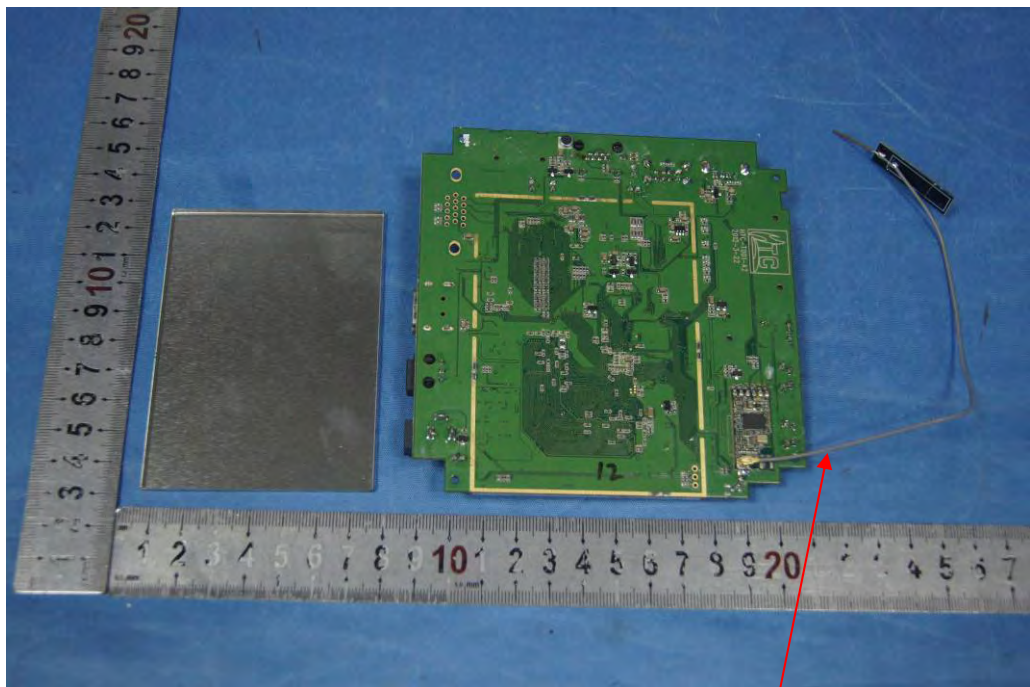
12.ANTENNA REQUIREMENT

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