

Report No.: ATE20142548

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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396



ACCURATE TECHNOLOGY CO., LTD.

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

> Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 2014-12-27 Time: 3:34:37

Engineer Signature: Distance: 3m

Job No.: star2014 #1129

Standard: FCC Class B 3M Radiated

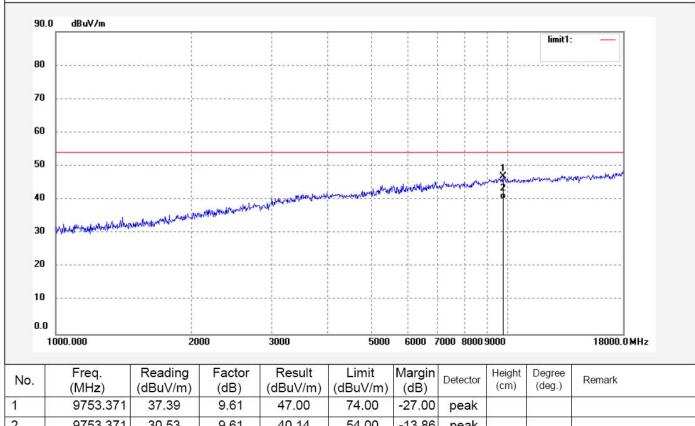
Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 % EUT: TuppTV Media Player Mode: TX Channel 1(802.11b)

Model: Y001

Manufacturer: YuppTV

Report No.:ATE20142548 Note:





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

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Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 2014-12-27 Time: 3:42:00

Engineer Signature: Distance: 3m

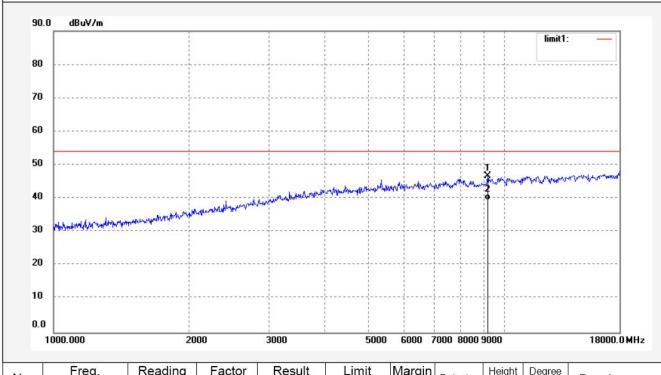
Job No.: star2014 #1131

Standard: FCC Class B 3M Radiated
Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 % EUT: TuppTV Media Player Mode: TX Channel 6(802.11b)

Model: Y001

Manufacturer: YuppTV



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	9178.971	38.69	8.00	46.69	74.00	-27.31	peak			
2	9178.971	31.57	8.00	39.57	54.00	-14.43	peak			



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Vertical

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Job No.: star2014 #1130 Polarization:

Standard: FCC Class B 3M Radiated Power Source: AC 120V/60Hz

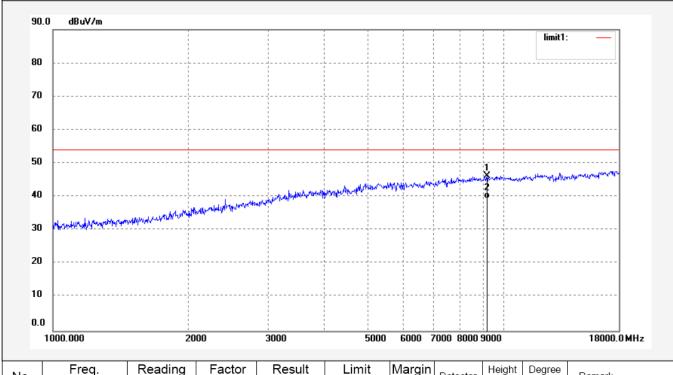
Test item: Radiation Test Date: 2014-12-27
Temp.(C)/Hum.(%) 23 C / 48 % Time: 3:38:25
EUT: TuppTV Media Player Engineer Signature:

EUT: TuppTV Media Player Engineer Signa

Mode: TX Channel 6(802.11b) Distance: 3m

Model: Y001

Manufacturer: YuppTV



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	9178.971	38.19	8.00	46.19	74.00	-27.81	peak			
2	9178.971	31.53	8.00	39.53	54.00	-14.47	peak			



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Distance: 3m

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

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Job No.: star2014 #1132 Polarization: Horizontal

Standard: FCC Class B 3M Radiated Power Source: AC 120V/60Hz

Test item: Radiation Test Date: 2014-12-27
Temp.(C)/Hum.(%) 23 C / 48 % Time: 3:46:49
EUT: TuppTV Media Player Engineer Signature:

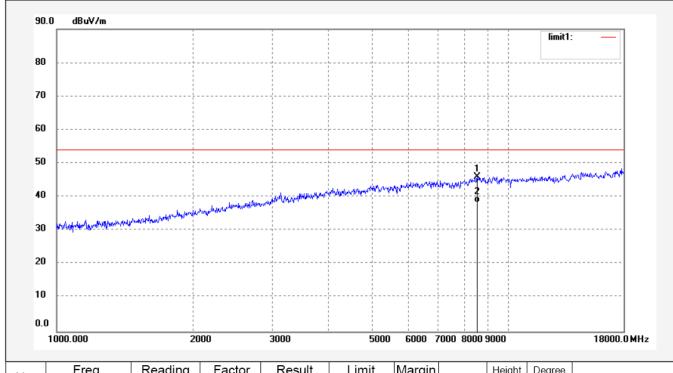
Model: Y001

Mode:

Manufacturer: YuppTV

Note: Report No.:ATE20142548

TX Channel 11(802.11b)



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	8539.102	38.33	7.79	46.12	74.00	-27.88	peak			
2	8539.102	30.53	7.79	38.32	54.00	-15.68	peak			





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Job No.: star2014 #1133 Polarization: Vertical

Standard: FCC Class B 3M Radiated Power Source: AC 120V/60Hz

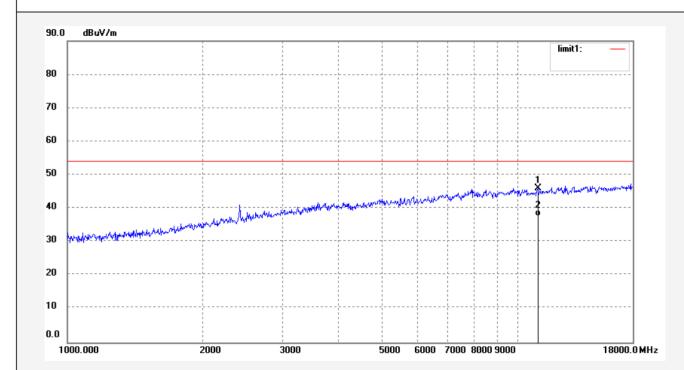
Test item: Radiation Test Date: 2014-12-27 Temp.(C)/Hum.(%) 23 C / 48 % Time: 3:50:30 TuppTV Media Player Engineer Signature: TX Channel 11(802.11b) Distance: 3m

Model: Y001

EUT:

Mode:

Manufacturer: YuppTV



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11076.096	36.49	9.54	46.03	74.00	-27.97	peak			
2	11076.096	28.19	9.54	37.73	54.00	-16.27	peak			



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Job No.: star2014 #1136 Polarization: Horizontal

Standard: FCC Class B 3M Radiated Power Source: AC 120V/60Hz

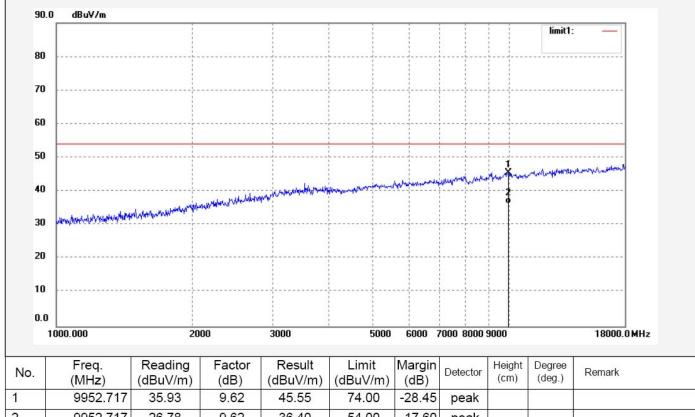
Test item: Radiation Test Date: 2014-12-27 Temp.(C)/Hum.(%) 23 C / 48 % Time: 3:57:34

EUT: TuppTV Media Player Engineer Signature: Mode: TX Channel 1(802.11g) Distance: 3m

Model: Y001

Manufacturer: YuppTV

Report No.:ATE20142548 Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)		Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	9952.717	35.93	9.62	45.55	74.00	-28.45	peak			
2	9952.717	26.78	9.62	36.40	54.00	-17.60	peak			



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Job No.: star2014 #1135

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %
EUT: TuppTV Media Player
Mode: TX Channel 1(802.11g)

Model: Y001

Manufacturer: YuppTV

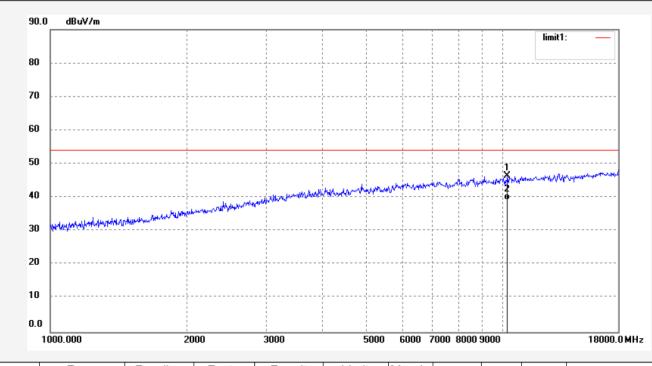
Note: Report No.:ATE20142548

Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 2014-12-27 Time: 3:53:44 Engineer Signature:

Distance: 3m





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Site: 2# Chamber

Job No.: star2014 #1137

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 % EUT: TuppTV Media Player Mode: TX Channel 6(802.11g)

Model: Y001

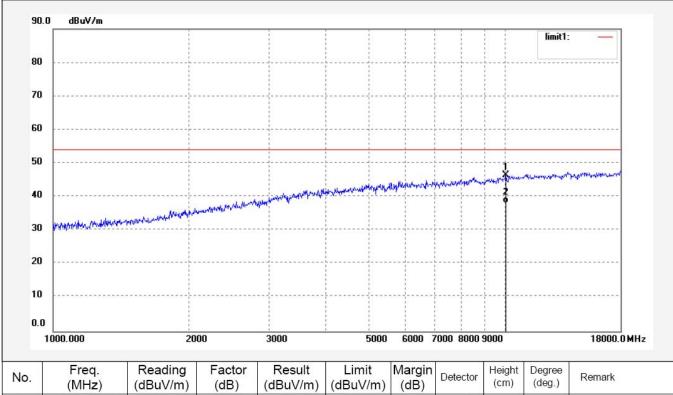
Manufacturer: YuppTV

Note: Report No.:ATE20142548 Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 2014-12-27 Time: 4:01:31 Engineer Signature:

Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	10039.393	36.80	9.55	46.35	74.00	-27.65	peak			
2	10039.393	28.66	9.55	38.21	54.00	-15.79	peak			



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Job No.: star2014 #1138

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 % EUT: TuppTV Media Player Mode: TX Channel 6(802.11g)

Model: Y001

Manufacturer: YuppTV

Note: Report No.:ATE20142548

30.50

8.97

39.47

54.00

-14.53

peak

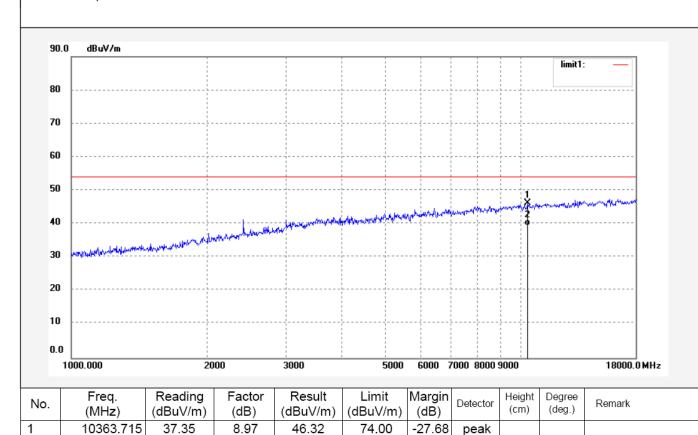
10363.715

Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 2014-12-27 Time: 4:05:22 Engineer Signature:

Distance: 3m



2



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Distance: 3m

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

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Job No.: star2014 #1140 Polarization: Horizontal

Standard: FCC Class B 3M Radiated Power Source: AC 120V/60Hz

Test item: Radiation Test Date: 2014-12-27 Temp.(C)/Hum.(%) 23 C / 48 % Time: 4:13:57 EUT: TuppTV Media Player Engineer Signature:

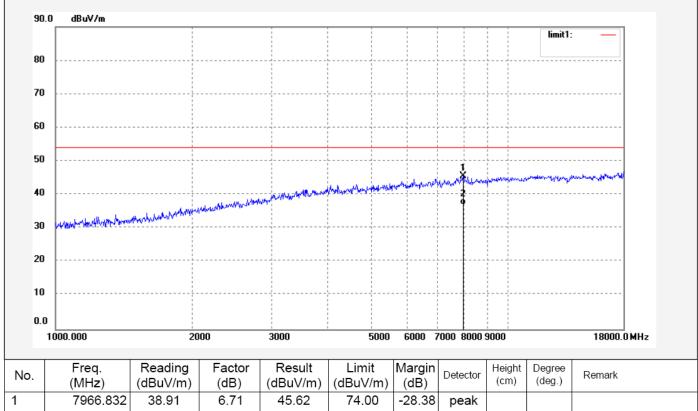
Model: Y001

Mode:

Manufacturer: YuppTV

Note: Report No.:ATE20142548

TX Channel 11(802.11g)



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)		Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	7966.832	38.91	6.71	45.62	74.00	-28.38	peak			
2	7966.832	30.23	6.71	36.94	54.00	-17.06	peak			



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> Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 2014-12-27 Time: 4:09:19 Engineer Signature:

Distance: 3m

Job No.: star2014 #1139

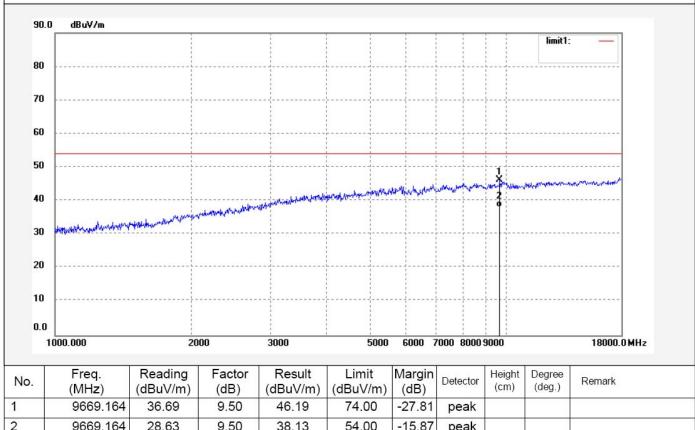
Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 % EUT: TuppTV Media Player Mode: TX Channel 11(802.11g)

Model: Y001

Manufacturer: YuppTV



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)		Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	9669.164	36.69	9.50	46.19	74.00	-27.81	peak			
2	9669.164	28.63	9.50	38.13	54.00	-15.87	peak			



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Job No.: star2014 #1141 Polarization: Horizontal

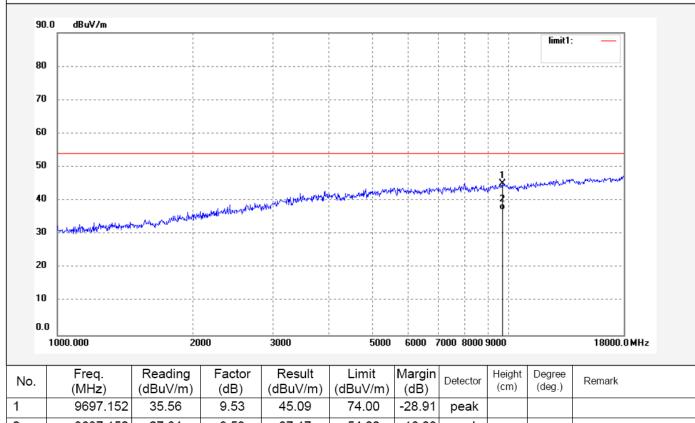
Standard: FCC Class B 3M Radiated Power Source: AC 120V/60Hz

Test item: Radiation Test Date: 2014-12-27 Temp.(C)/Hum.(%) 23 C / 48 % Time: 4:16:53 EUT: TuppTV Media Player Engineer Signature:

TX Channel 1(802.11n)20MHz Distance: 3m Mode:

Model: Y001

Manufacturer: YuppTV



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)		Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	9697.152	35.56	9.53	45.09	74.00	-28.91	peak			
2	9697.152	27.64	9.53	37.17	54.00	-16.83	peak			



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Site: 2# Chamber



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> Polarization: Vertical

> > Power Source: AC 120V/60Hz

Date: 2014-12-27 Time: 4:20:45

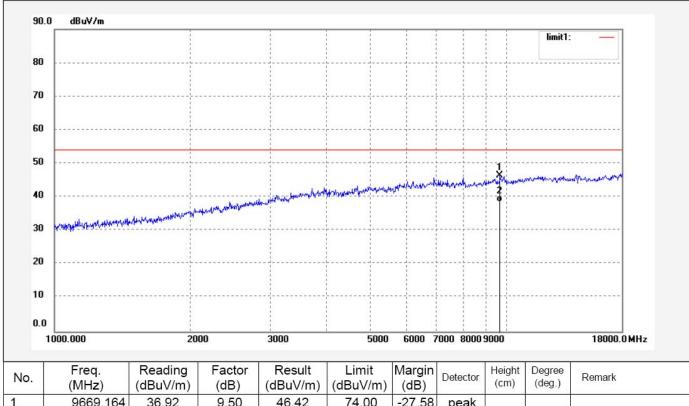
Engineer Signature: Distance: 3m

Job No.: star2014 #1142 Standard: FCC Class B 3M Radiated Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 % EUT: TuppTV Media Player Mode: TX Channel 1(802.11n)20MHz

Model: Y001

Manufacturer: YuppTV



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)		Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	9669.164	36.92	9.50	46.42	74.00	-27.58	peak			
2	9669.164	28.99	9.50	38.49	54.00	-15.51	peak			



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Site: 2# Chamber

Job No.: star2014 #1144 Polarization: Horizontal

Standard: FCC Class B 3M Radiated Power Source: AC 120V/60Hz

> Date: 2014-12-27 Time: 4:28:59

EUT: TuppTV Media Player Engineer Signature: Mode: TX Channel 6(802.11n)20MHz Distance: 3m

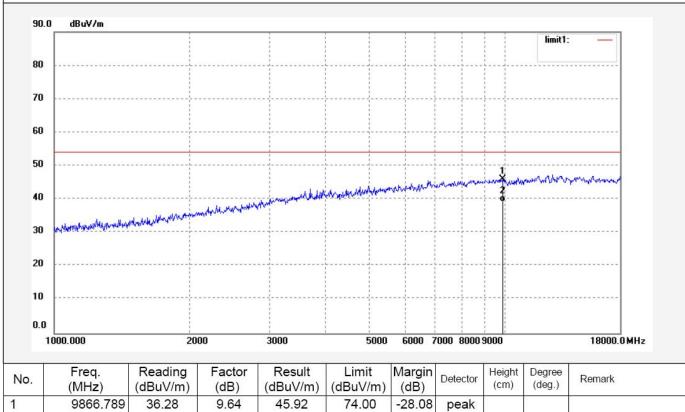
Model: Y001

Manufacturer: YuppTV

Test item: Radiation Test

Note: Report No.:ATE20142548

Temp.(C)/Hum.(%) 23 C / 48 %





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Job No.: star2014 #1143 Polarization: Vertical

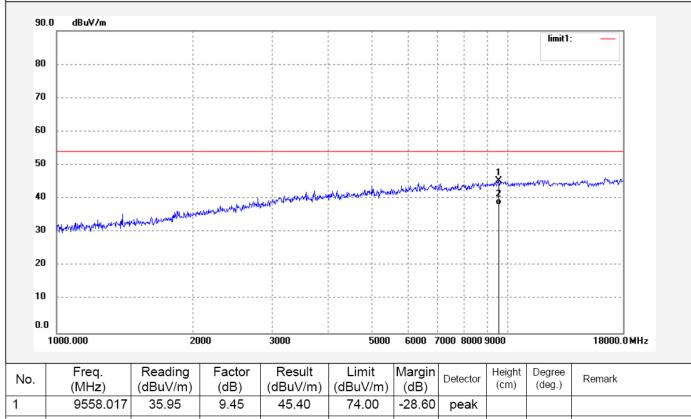
Standard: FCC Class B 3M Radiated Power Source: AC 120V/60Hz

Test item: Radiation Test Date: 2014-12-27 Temp.(C)/Hum.(%) 23 C / 48 % Time: 4:24:52

EUT: TuppTV Media Player Engineer Signature: Mode: TX Channel 6(802.11n)20MHz Distance: 3m

Model: Y001

Manufacturer: YuppTV



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	9558.017	35.95	9.45	45.40	74.00	-28.60	peak			
2	9558.017	28.63	9.45	38.08	54.00	-15.92	peak			



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Job No.: star2014 #1145

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 % EUT: TuppTV Media Player

Mode: TX Channel 11(802.11n)20MHz

Model: Y001

Manufacturer: YuppTV

Note: Report No.:ATE20142548

Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 2014-12-27 Time: 4:32:57 Engineer Signature:

Distance: 3m

	0 dBuV/m									
									limit1:	
80										
70										
60				-			; ; ; ;			
50								1 ×		
40	derstand of manifest state and	. أ	and a straight of the straight	A THE THE THE PARTY AND THE PA	profiperior	MANAMAN	managed with	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
30	Artemis American Control	Healthan washing to								
20										
10				-						
0.0										
	1000.000	20	000	3000	5000	6000	7000 8000	9000		18000.0 MHz
	Freq.	Reading	Factor	Result	Limit	Margin	Detector	Height	Degree	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)		(cm)	(deg.)	



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Distance: 3m

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Job No.: star2014 #1146 Polarization: Vertical

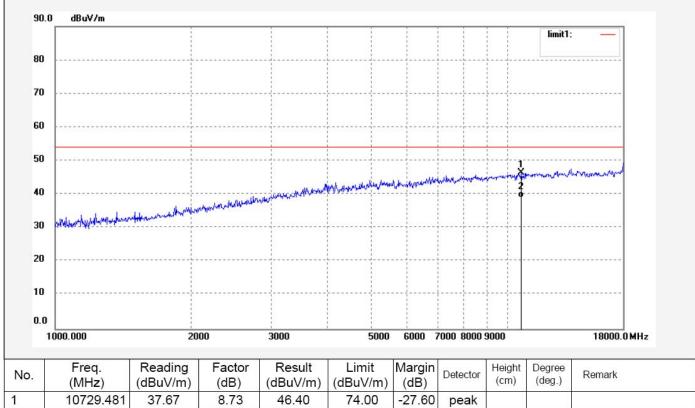
Standard: FCC Class B 3M Radiated Power Source: AC 120V/60Hz

Test item: Radiation Test Date: 2014-12-27 Temp.(C)/Hum.(%) 23 C / 48 % Time: 4:36:41 EUT: TuppTV Media Player Engineer Signature:

Mode: TX Channel 11(802.11n)20MHz

Model: Y001

Manufacturer: YuppTV



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	10729.481	37.67	8.73	46.40	74.00	-27.60	peak			
2	10729.481	30.25	8.73	38.98	54.00	-15.02	peak			



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Job No.: star2014 #1148

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: TuppTV Media Player

Mode: TX Channel 3(802.11n)40MHz

Model: Y001

Manufacturer: YuppTV

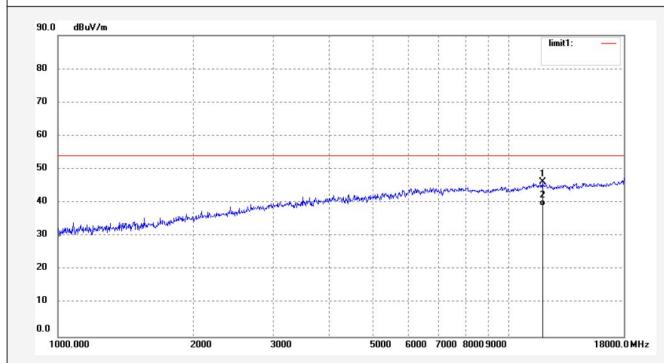
Note: Report No.:ATE20142548

Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 2014-12-27 Time: 4:44:16 Engineer Signature:

Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11871.710	34.83	11.51	46.34	74.00	-27.66	peak			
2	11871.710	27.60	11.51	39.11	54.00	-14.89	peak			



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Vertical

Polarization:

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

Job No.: star2014 #1147

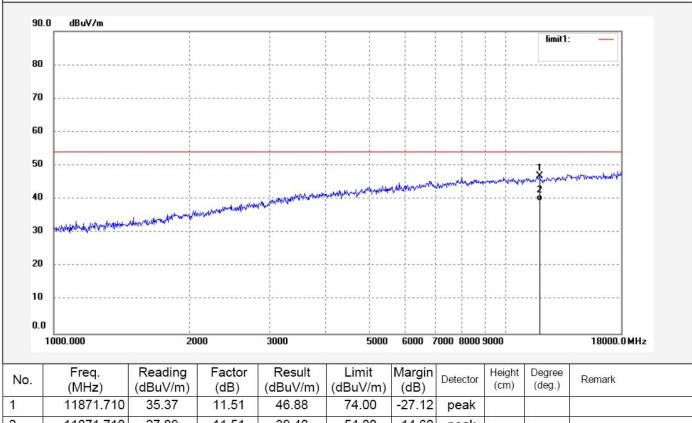
Standard: FCC Class B 3M Radiated Power Source: AC 120V/60Hz

Test item: Radiation Test Date: 2014-12-27 Temp.(C)/Hum.(%) 23 C / 48 % Time: 4:40:38 EUT: TuppTV Media Player Engineer Signature:

Mode: TX Channel 3(802.11n)40MHz Distance: 3m

Model: Y001

Manufacturer: YuppTV



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11871.710	35.37	11.51	46.88	74.00	-27.12	peak			
2	11871.710	27.89	11.51	39.40	54.00	-14.60	peak			



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Distance: 3m

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

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Job No.: star2014 #1149 Polarization: Horizontal

Standard: FCC Class B 3M Radiated Power Source: AC 120V/60Hz

Test item: Radiation Test Date: 2014-12-27
Temp.(C)/Hum.(%) 23 C / 48 % Time: 4:48:08
EUT: TuppTV Media Player Engineer Signature:

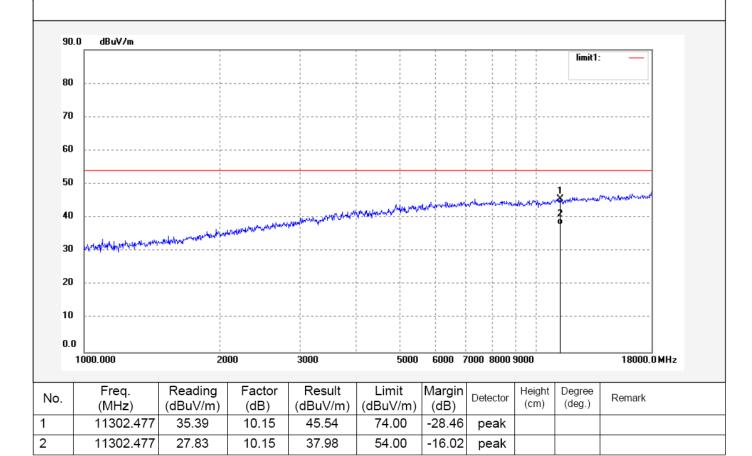
Model: Y001

Mode:

Manufacturer: YuppTV

Note: Report No.:ATE20142548

TX Channel 6(802.11n)40MHz







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Job No.: star2014 #1150 Polarization: Vertical

Standard: FCC Class B 3M Radiated Power Source: AC 120V/60Hz

 Test item:
 Radiation Test
 Date: 2014-12-27

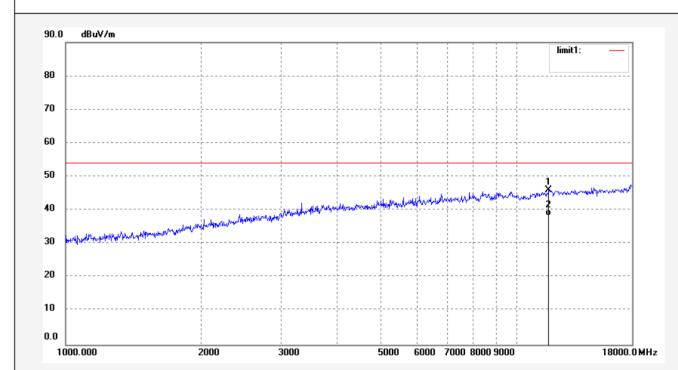
 Temp.(C)/Hum.(%)
 23 C / 48 %
 Time: 4:52:57

EUT: TuppTV Media Player Engineer Signature:

Mode: TX Channel 6(802.11n)40MHz Distance: 3m

Model: Y001

Manufacturer: YuppTV



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11769.214	34.15	11.84	45.99	74.00	-28.01	peak			
2	11769.214	26.50	11.84	38.34	54.00	-15.66	peak			



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Job No.: star2014 #1152 Polarization: Horizontal

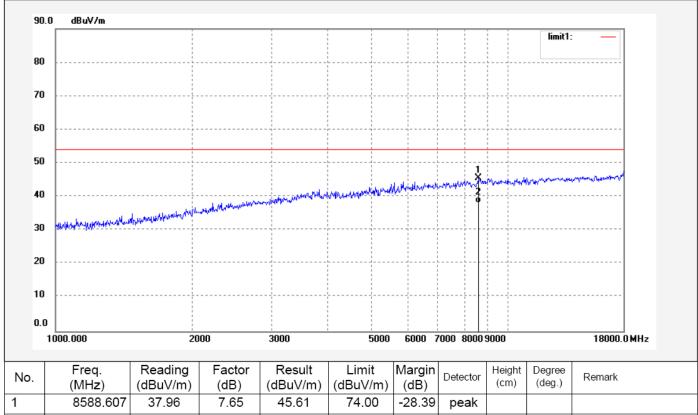
Standard: FCC Class B 3M Radiated Power Source: AC 120V/60Hz

Radiation Test Date: 2014-12-27 Test item: Temp.(C)/Hum.(%) 23 C / 48 % Time: 4:59:29 EUT: TuppTV Media Player Engineer Signature:

TX Channel 9(802.11n)40MHz Mode: Distance: 3m

Model: Y001

Manufacturer: YuppTV



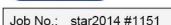


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Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396



Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: TuppTV Media Player

Mode: TX Channel 9(802.11n)40MHz

Model: Y001

Manufacturer: YuppTV

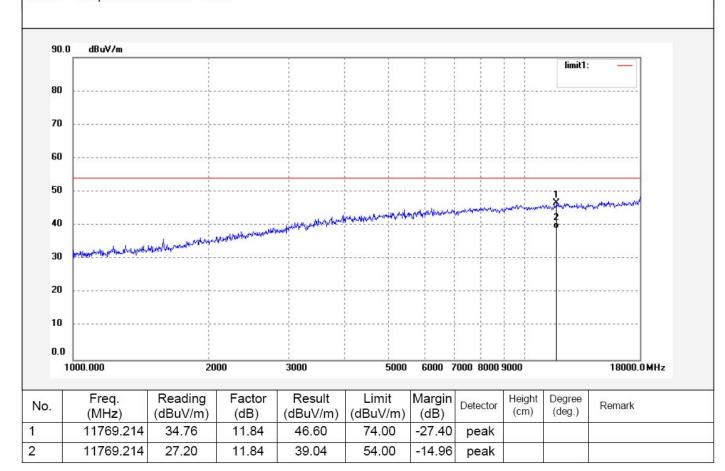
Note: Report No.:ATE20142548

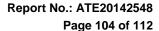
Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 2014-12-27 Time: 4:56:32 Engineer Signature:

Distance: 3m







11. CONDUCTED SPURIOUS EMISSION COMPLIANCE TEST

11.1.Block Diagram of Test Setup



11.2.The Requirement For Section 15.247(d)

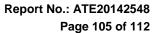
Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

11.3.EUT Configuration on Measurement

The equipment is installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

11.4. Operating Condition of EUT

- 11.4.1. Setup the EUT and simulator as shown as Section 11.1.
- 11.4.2. Turn on the power of all equipment.
- 11.4.3.Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.





11.5.Test Procedure

- 11.5.1.The transmitter output was connected to the spectrum analyzer via a low loss cable.
- 11.5.2.Set RBW of spectrum analyzer to 100kHz and VBW to 300kHz.
- 11.5.3. The Conducted Spurious Emission was measured and recorded.

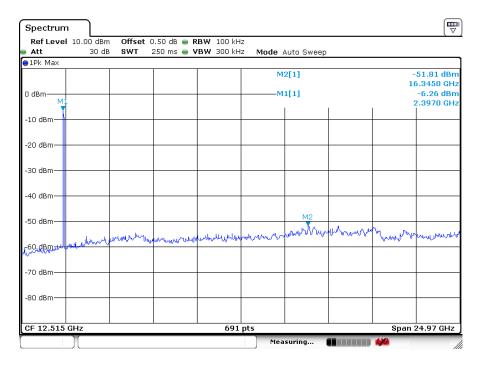
11.6.Test Result

Pass.

The spectrum analyzer plots are attached as below.

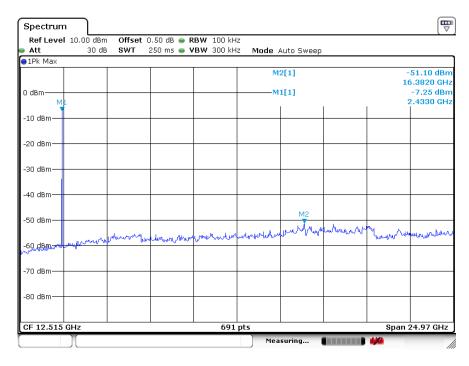


TX 802.11b Channel Low 2412MHz



Date: 26.Dec.2014 10:48:13

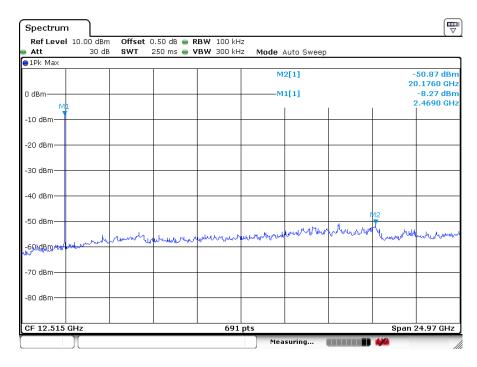
TX 802.11b Channel Middle 2437MHz



Date: 26.Dec.2014 10:47:00

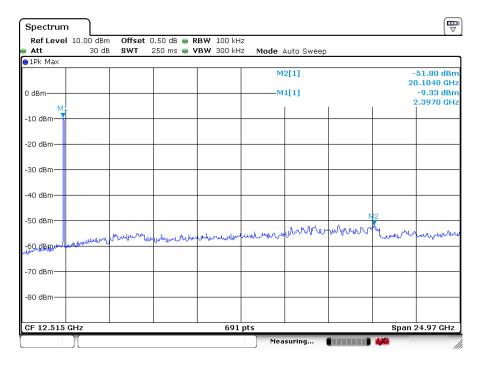


TX 802.11b Channel High 2462MHz



Date: 26.Dec.2014 10:49:12

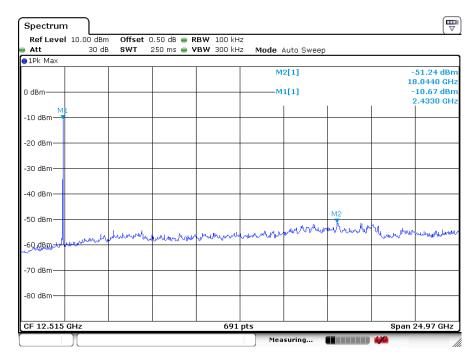
TX 802.11g Channel Low 2412MHz



Date: 26.Dec.2014 10:55:30

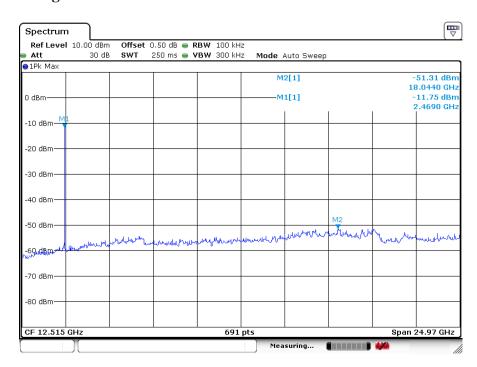


TX 802.11g Channel Middle 2437MHz



Date: 26.Dec.2014 10:53:11

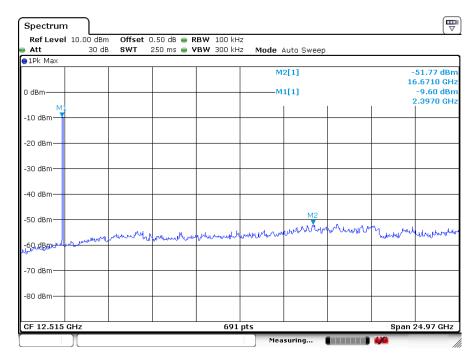
TX 802.11g Channel High 2462MHz



Date: 26.Dec.2014 10:52:12

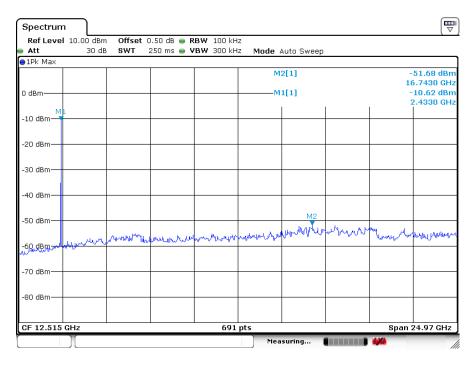


TX 802.11n Channel Low 2412MHz (20MHz)



Date: 26.Dec.2014 10:56:43

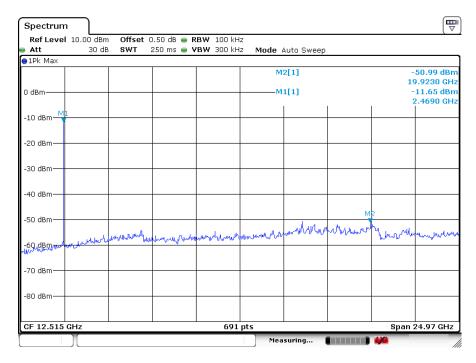
TX 802.11n Channel Middle 2437MHz (20MHz)



Date: 26.Dec.2014 10:57:29

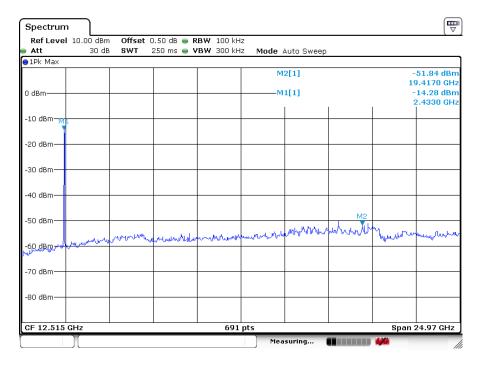


TX 802.11n Channel High 2462MHz (20MHz)



Date: 26.Dec.2014 10:59:15

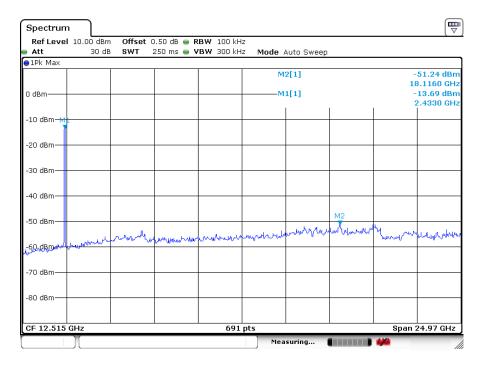
TX 802.11n Channel Low 2422MHz (40MHz)



Date: 26.Dec.2014 11:02:38

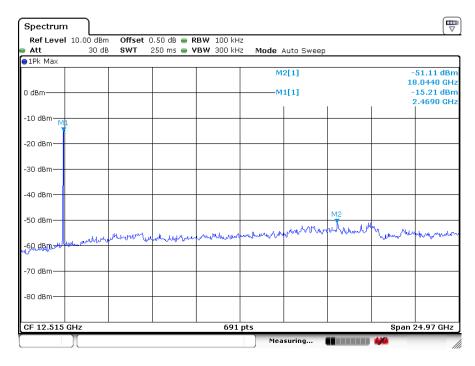


TX 802.11n Channel Middle 2437MHz (40MHz)



Date: 26.Dec.2014 11:00:27

TX 802.11n Channel High 2452MHz (40MHz)



Date: 26.Dec.2014 11:03:35



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

