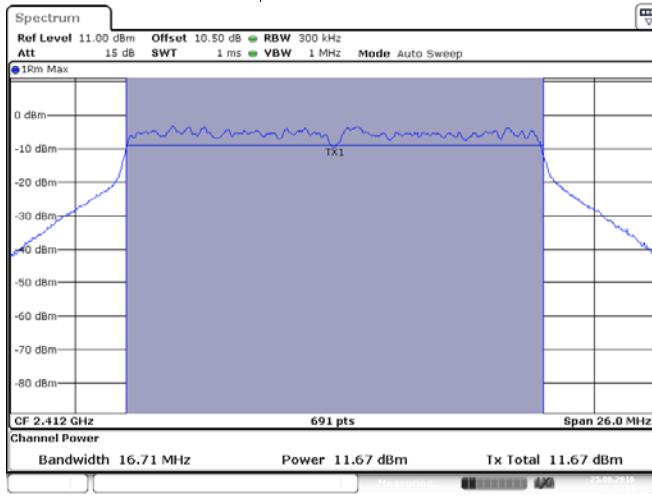
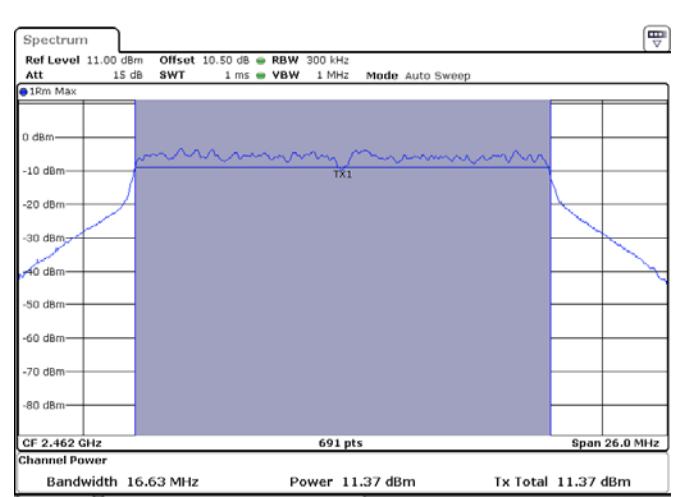
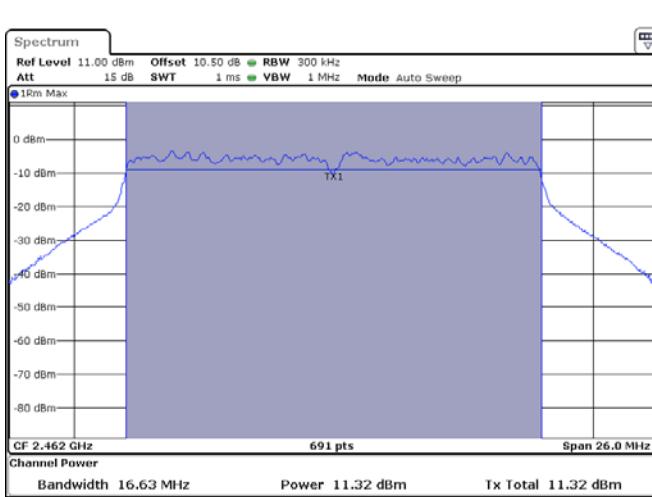
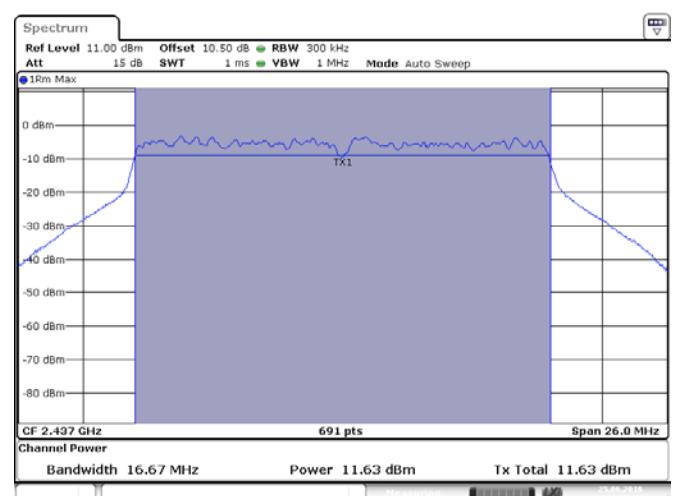
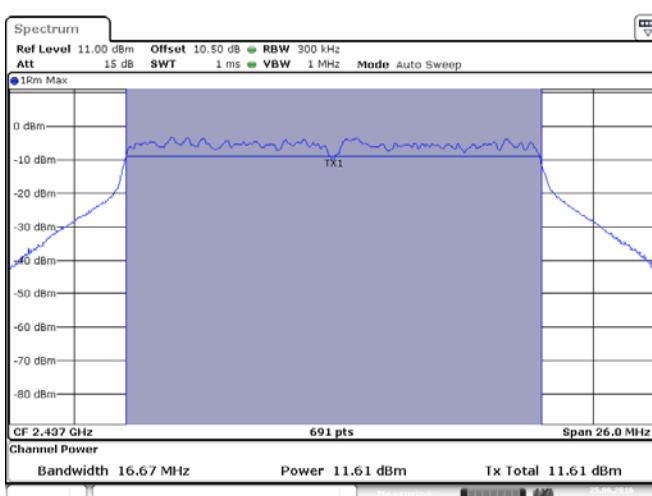
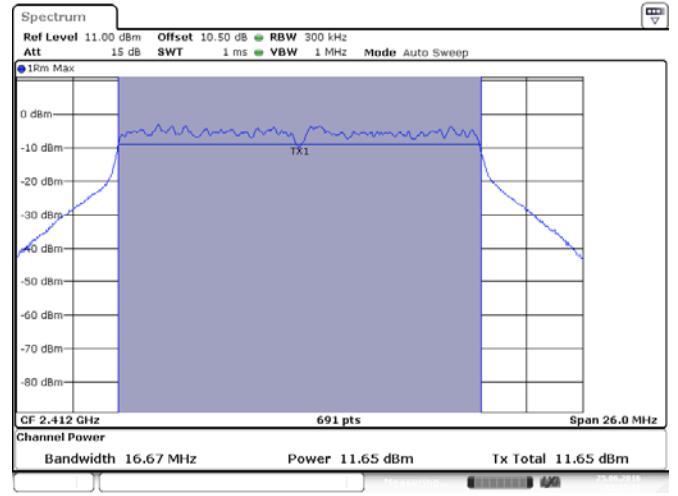


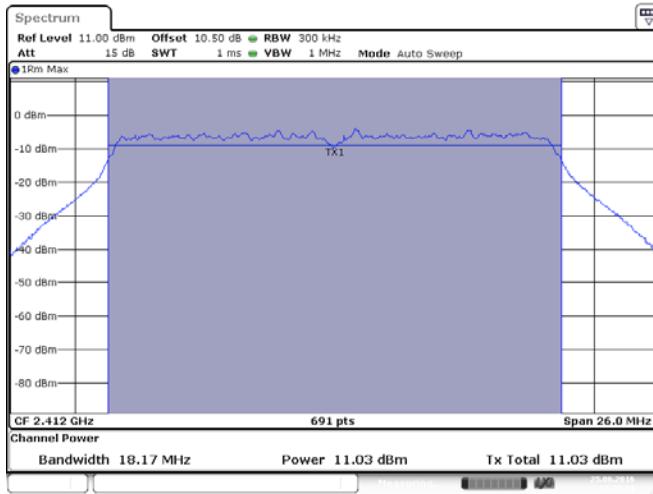
ANT 1(802.11g)



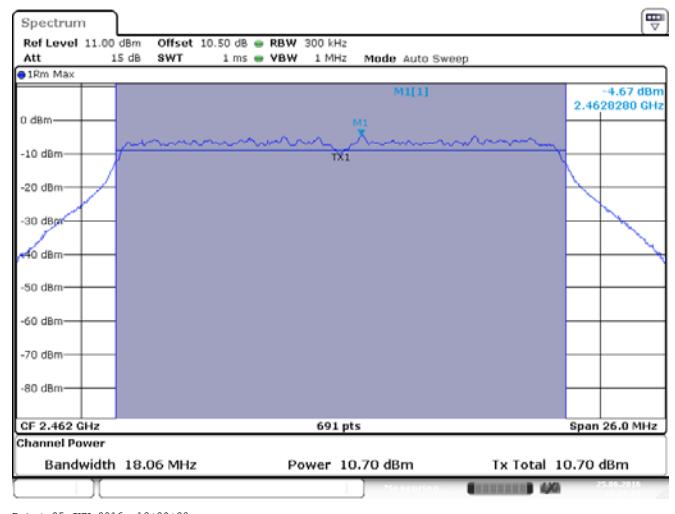
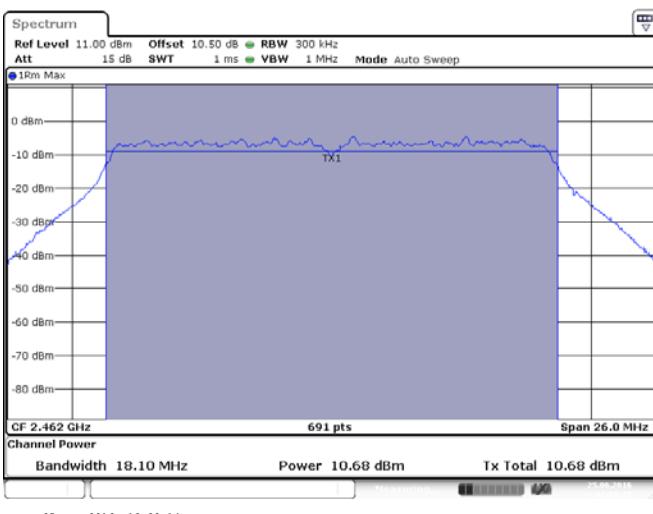
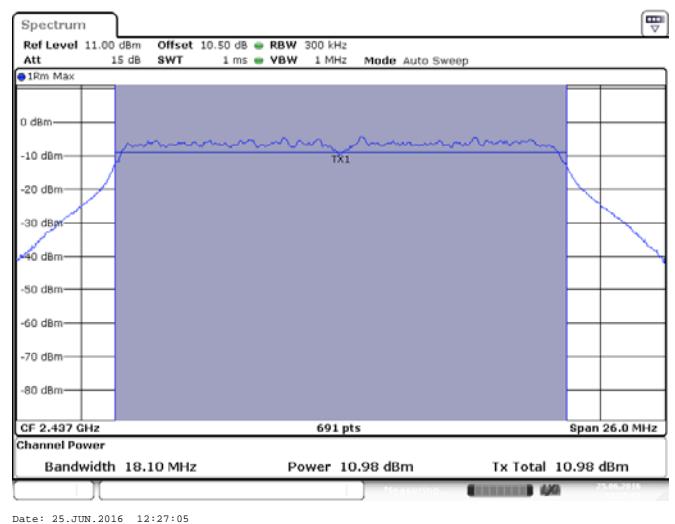
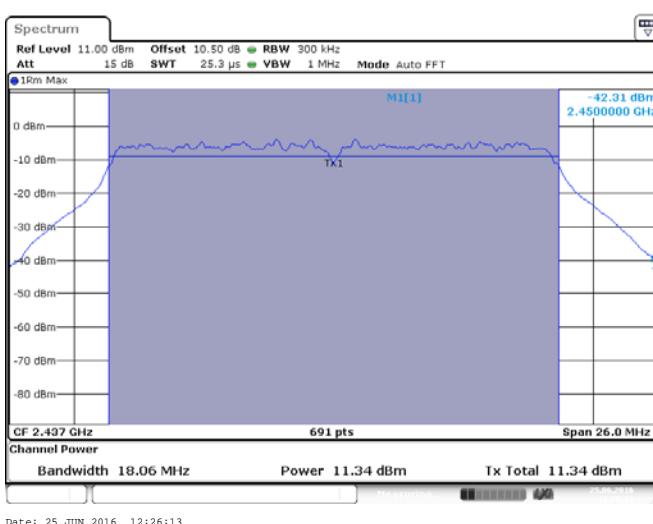
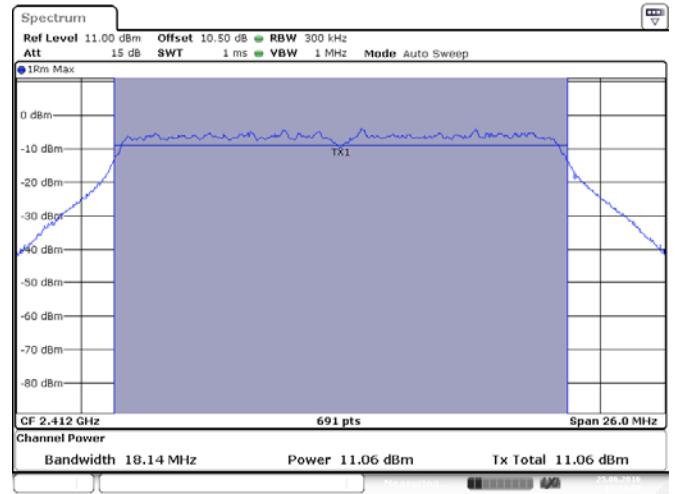
ANT 2(802.11g)



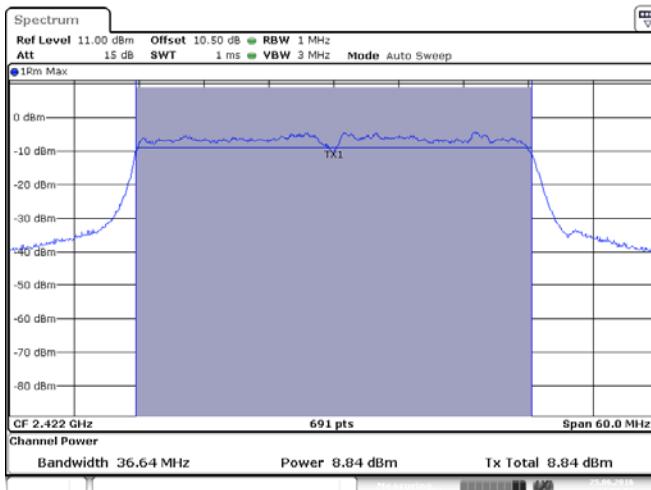
ANT 1(802.11n20)



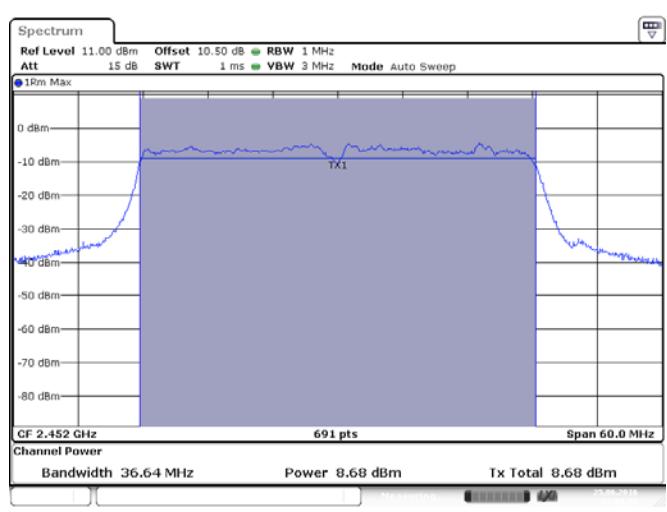
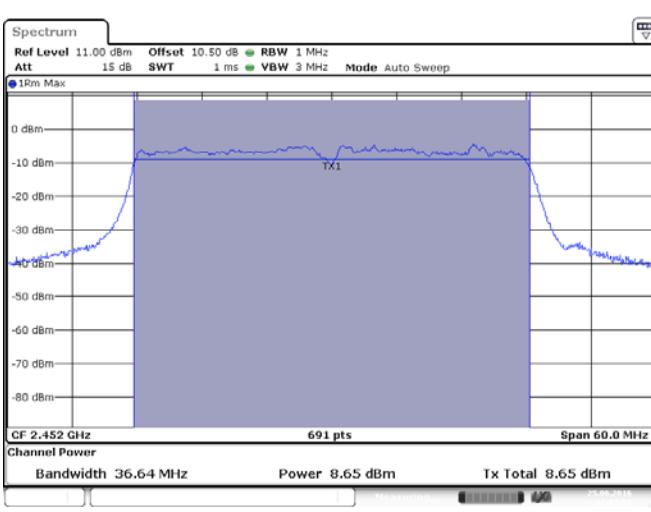
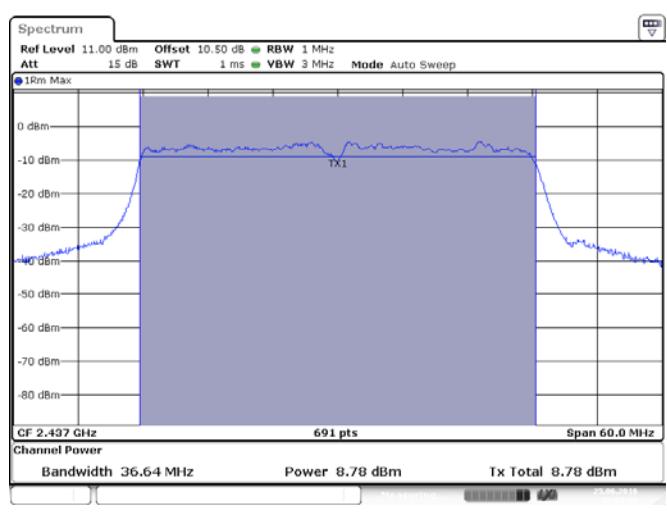
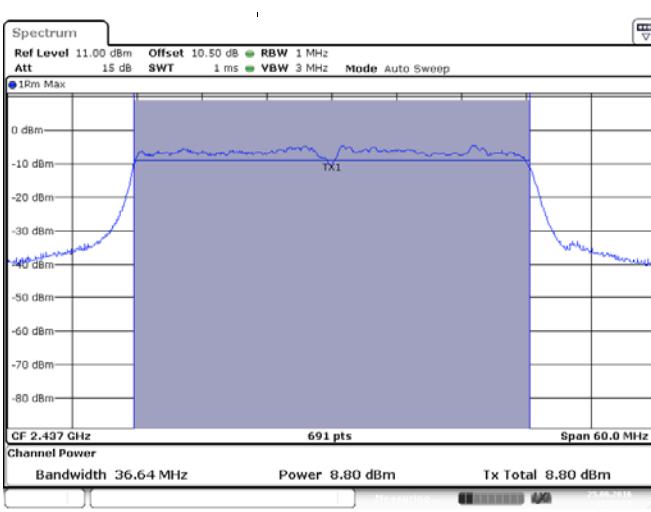
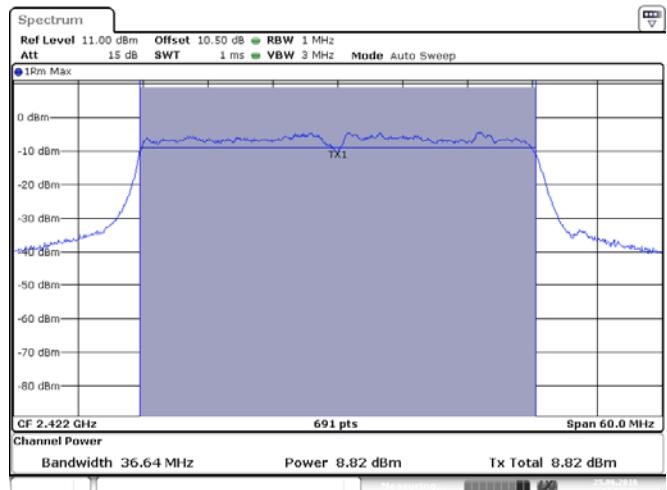
ANT 2(802.11 n20)



ANT 1(802.11n40)



ANT 2(802.11n40)



10. RADIATED SPURIOUS EMISSION TEST

10.1. Block Diagram of Test Setup

10.1.1. Block diagram of connection between the EUT and peripherals

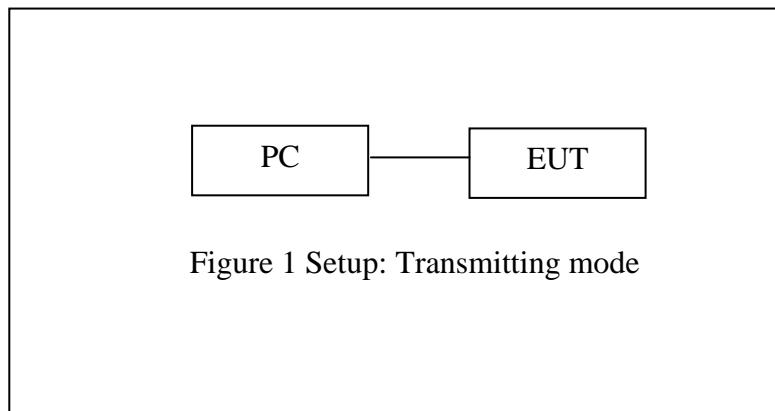
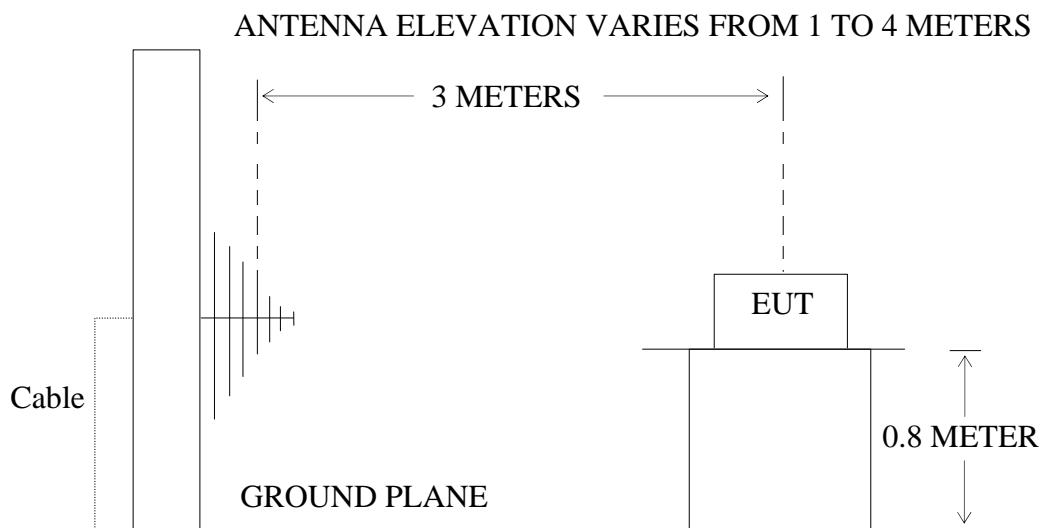


Figure 1 Setup: Transmitting mode

10.1.2. Semi-Anechoic Chamber Test Setup Diagram



10.2. The Limit 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. Restricted bands of operation

10.3.1. FCC Part 15.205 Restricted bands of operation

(a) Except as shown in paragraph (d) of this section, Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

¹Until February 1, 1999, this restricted band shall be 0.490-0.510

²Above 38.6

(b) Except as provided in paragraphs (d) and (e), the field strength of emission appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000MHz, Compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

10.4. Configuration of EUT on Measurement

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

10.5.Operating Condition of EUT

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

10.5.2.Turn on the power of all equipment.

10.5.3.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.

10.6.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground(Below 1GHz). The EUT and its simulators are placed on a turntable, which is 1.5 meter high above ground(Above 1GHz). The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bi-log antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the EUT location must be manipulated according to ANSI C63.10:2013 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

The worst-case data rate for this channel to be 1Mbps for 802.11b mode and 6Mbps for 802.11g mode and 150Mbps for 802.11n mode, based on previous with 802.11 WLAN product design architectures.

The frequency range from 30MHz to 25000MHz is checked.

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

During the radiated emission test, the spectrum analyzer was set with the following configurations:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for peak measurement with peak detector at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average measurement with peak detection at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

10.7. The Field Strength of Radiation Emission Measurement Results

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

3. The fundamental radiated emissions were reduced by Band Reject Filter in the attached plots.

4. The EUT is tested radiation emission at each test mode (802.11b/g/n) in three axes. Besides, We have tested the single antenna transmit mode and the dual antenna emission mode. The worst emissions(the dual antenna emission mode) are reflected in the following plots.

5. The radiation emissions from 18-25GHz are not reported, because the test values lower than the limits of 20dB

6. The average measurement was not performed when peak measured data under the limit of average detection.

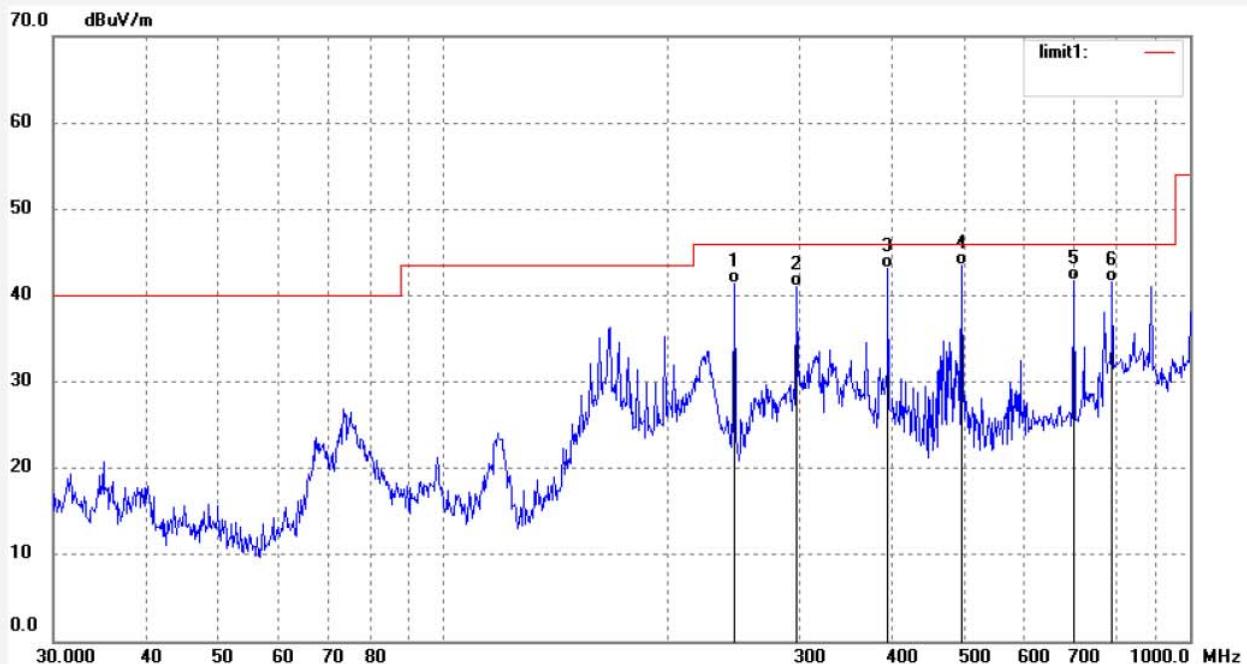
Below 1G



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.ChinaSite: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.:	star2017 #855	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	DC 12V
Test item:	Radiation Test	Date:	17/10/16/
Temp.(C)/Hum.(%)	25 C / 55 %	Time:	14/21/48
EUT:	WiFi module	Engineer Signature:	star
Mode:	TX Channel 1(802.11b)	Distance:	3m
Model:	WPC0GR2231R		
Manufacturer:	Prima		
Note:	Report No.:ATE20171983		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	245.2606	59.59	-18.15	41.44	46.00	-4.56	QP	200	63	
2	297.5459	56.86	-15.82	41.04	46.00	-4.96	QP	200	118	
3	394.1198	56.23	-13.09	43.14	46.00	-2.86	QP	200	294	
4	495.2379	54.50	-10.98	43.52	46.00	-2.48	QP	200	171	
5	698.8034	48.05	-6.39	41.66	46.00	-4.34	QP	200	194	
6	787.4749	46.03	-4.40	41.63	46.00	-4.37	QP	200	149	



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

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

Job No.: star2017 #854

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 12V

Test item: Radiation Test

Date: 17/10/16/

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

Time: 14/20/43

EUT: WiFi module

Engineer Signature: star

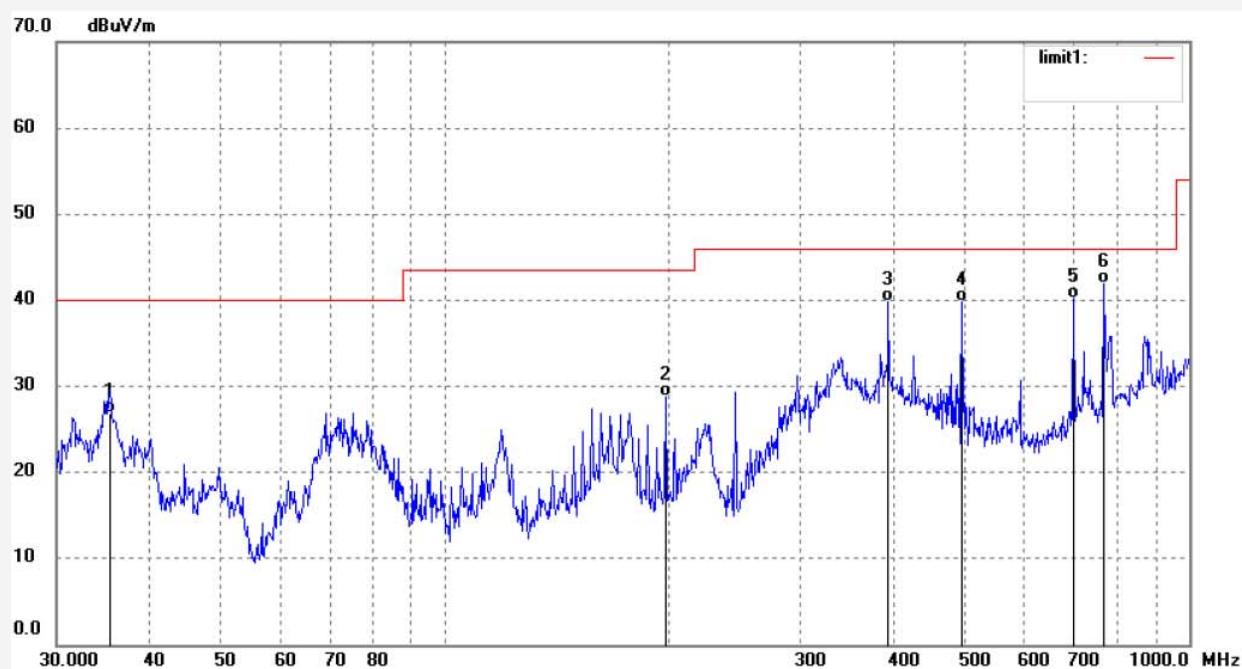
Mode: TX Channel 1(802.11b)

Distance: 3m

Model: WPC0GR2231R

Manufacturer: Prima

Note: Report No.:ATE20171983



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	35.3867	43.04	-16.12	26.92	40.00	-13.08	QP	200	142	
2	197.9457	47.55	-18.78	28.77	43.50	-14.73	QP	200	271	
3	394.1199	52.97	-13.09	39.88	46.00	-6.12	QP	200	194	
4	495.2379	50.72	-10.98	39.74	46.00	-6.26	QP	200	300	
5	698.8035	46.54	-6.39	40.15	46.00	-5.85	QP	200	168	
6	768.3431	46.65	-4.77	41.88	46.00	-4.12	QP	200	145	



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

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

Job No.: star2017 #856

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 12V

Test item: Radiation Test

Date: 17/10/16/

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

Time: 14/22/41

EUT: WiFi module

Engineer Signature: star

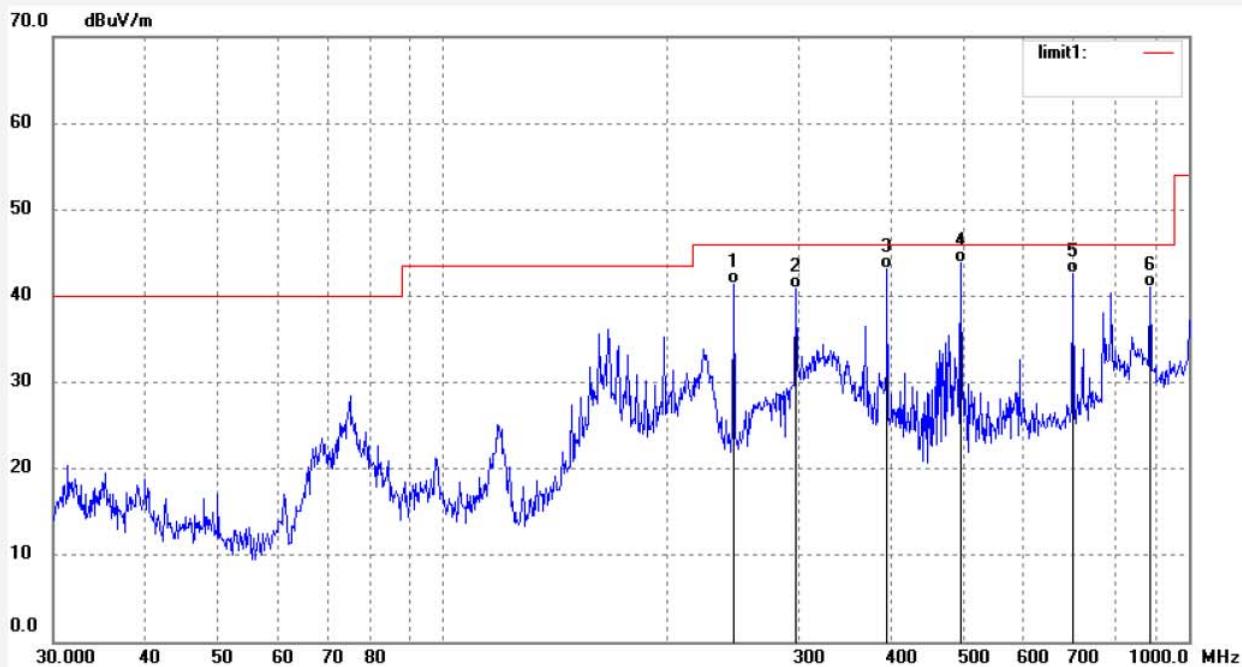
Mode: TX Channel 6(802.11b)

Distance: 3m

Model: WPC0GR2231R

Manufacturer: Prima

Note: Report No.:ATE20171983



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	245.2606	59.46	-18.15	41.31	46.00	-4.69	QP	200	68	
2	297.5459	56.75	-15.82	40.93	46.00	-5.07	QP	200	142	
3	394.1198	56.22	-13.09	43.13	46.00	-2.87	QP	200	140	
4	495.2379	54.76	-10.98	43.78	46.00	-2.22	QP	200	183	
5	698.8034	48.96	-6.39	42.57	46.00	-3.43	QP	200	234	
6	887.3977	43.63	-2.54	41.09	46.00	-4.91	QP	200	39	



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

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

Job No.: star2017 #857

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 12V

Test item: Radiation Test

Date: 17/10/16/

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

Time: 14/23/24

EUT: WiFi module

Engineer Signature: star

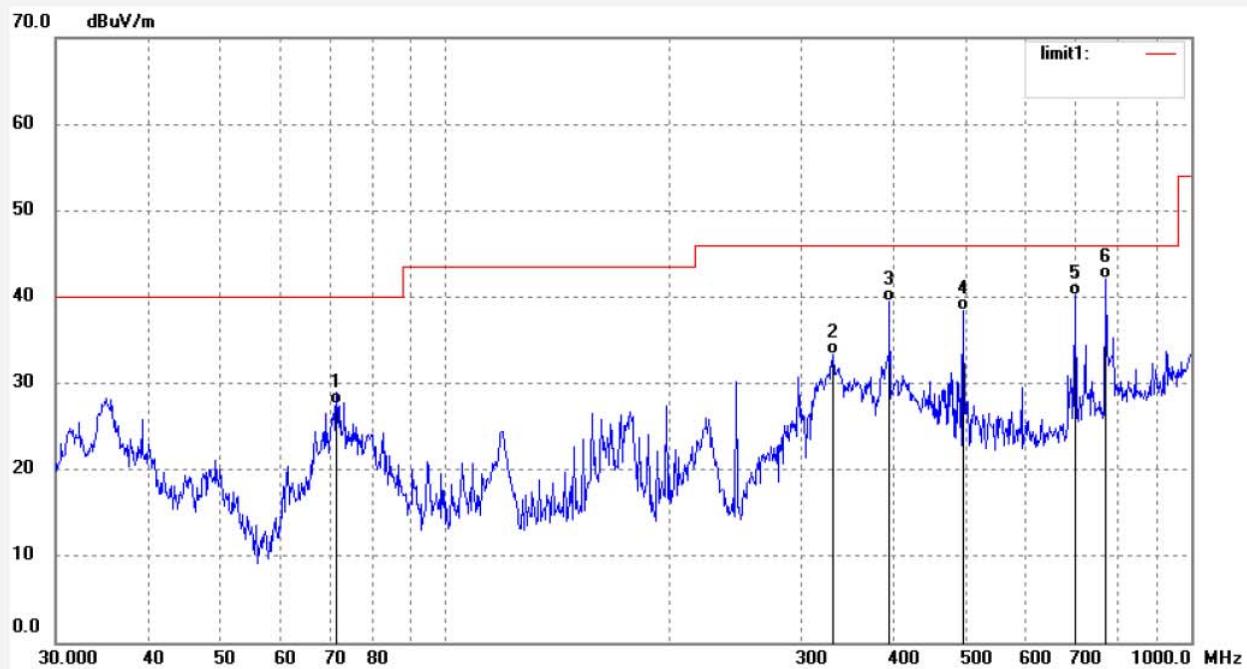
Mode: TX Channel 6(802.11b)

Distance: 3m

Model: WPC0GR2231R

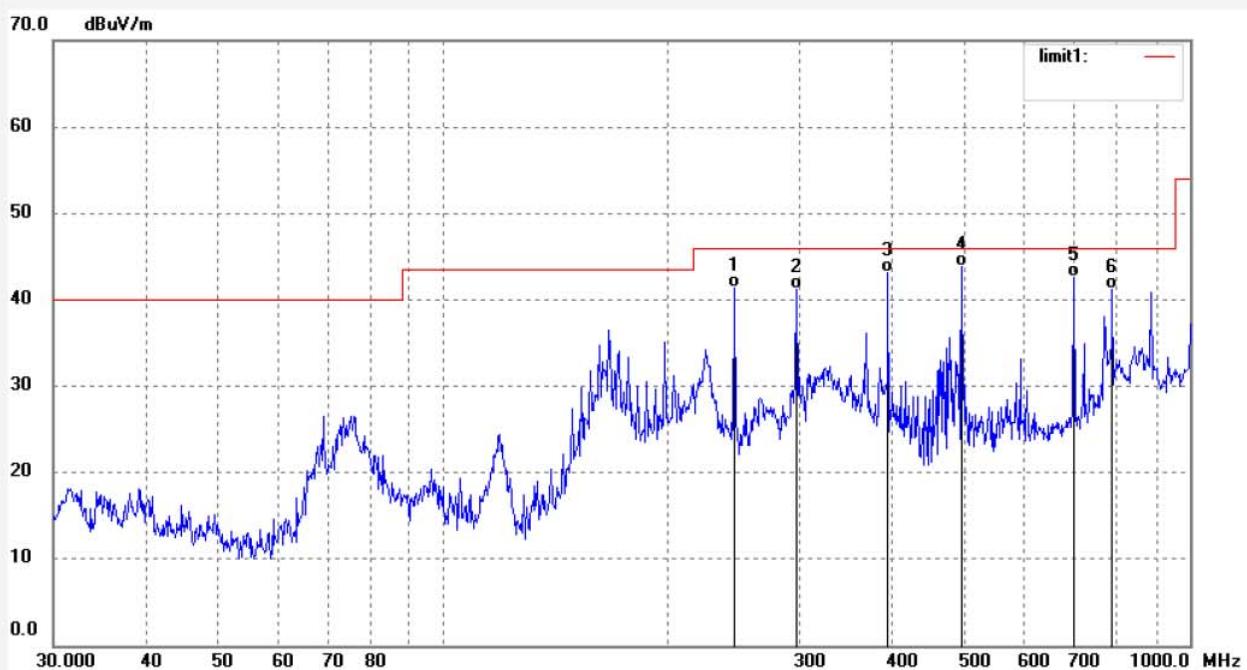
Manufacturer: Prima

Note: Report No.:ATE20171983



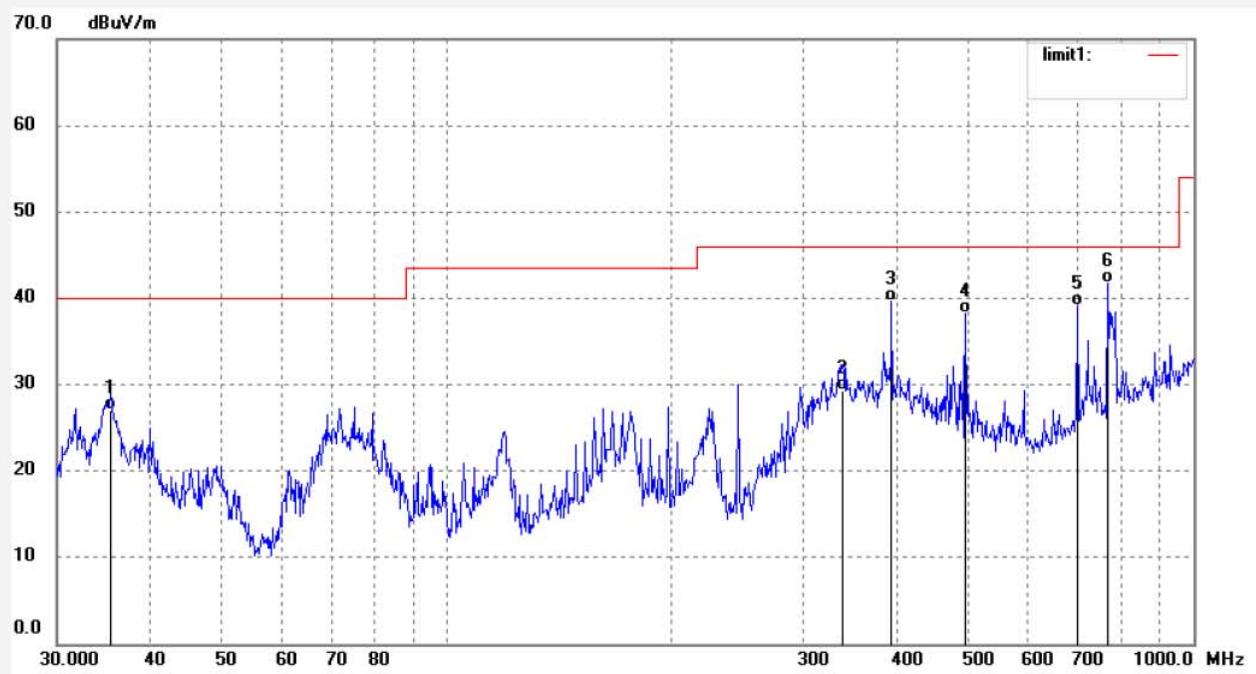
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	71.4539	49.70	-22.14	27.56	40.00	-12.44	QP	150	245	
2	330.6220	47.94	-14.63	33.31	46.00	-12.69	QP	150	302	
3	394.1198	52.47	-13.09	39.38	46.00	-6.62	QP	150	266	
4	495.2379	49.37	-10.98	38.39	46.00	-7.61	QP	150	271	
5	698.8034	46.56	-6.39	40.17	46.00	-5.83	QP	150	146	
6	768.3431	46.83	-4.77	42.06	46.00	-3.94	QP	150	133	

Job No.: star2017 #859	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/16/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 14/25/03
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 11(802.11b)	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	
Note: Report No.:ATE20171983	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	245.2606	59.46	-18.15	41.31	46.00	-4.69	QP	200	316	
2	297.5459	57.05	-15.82	41.23	46.00	-4.77	QP	200	261	
3	394.1198	56.22	-13.09	43.13	46.00	-2.87	QP	200	177	
4	495.2379	54.90	-10.98	43.92	46.00	-2.08	QP	200	146	
5	698.8034	49.04	-6.39	42.65	46.00	-3.35	QP	200	163	
6	787.4749	45.55	-4.40	41.15	46.00	-4.85	QP	200	295	

Job No.: star2017 #858	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/16/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 14/24/10
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 11(802.11b)	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	
Note: Report No.:ATE20171983	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	35.3866	43.14	-16.12	27.02	40.00	-12.98	QP	150	255	
2	338.8546	43.56	-14.29	29.27	46.00	-16.73	QP	150	168	
3	394.1197	52.67	-13.09	39.58	46.00	-6.42	QP	150	234	
4	495.2379	49.21	-10.98	38.23	46.00	-7.77	QP	150	200	
5	698.8034	45.58	-6.39	39.19	46.00	-6.81	QP	150	169	
6	768.3431	46.46	-4.77	41.69	46.00	-4.31	QP	150	176	

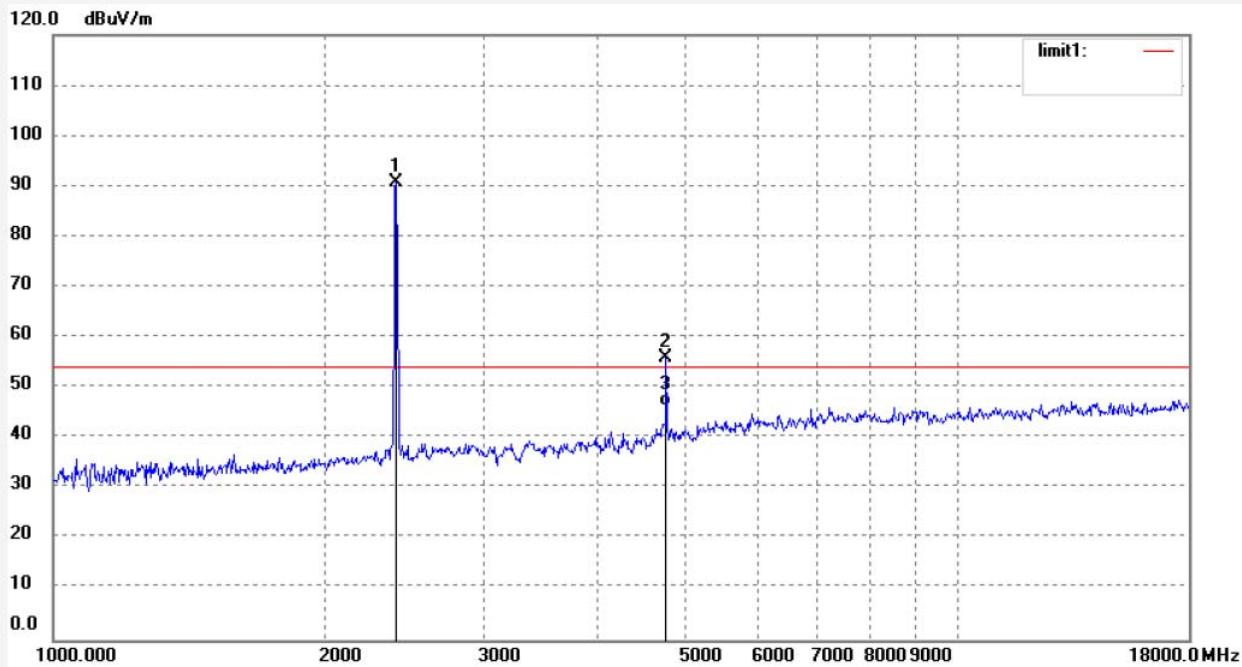
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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.ChinaSite: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: star2017 #861	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/16/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 14/32/17
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 1(802.11b)	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	
Note: Report No.:ATE20171983	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2412.119	97.01	-6.29	90.72			peak	200	39	
2	4824.284	55.11	0.82	55.93	74.00	-18.07	peak	200	142	
3	4824.284	45.64	0.82	46.46	54.00	-7.54	AVG	200	231	

Job No.: star2017 #860

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 12V

Test item: Radiation Test

Date: 17/10/16/

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

Time: 14/30/21

EUT: WiFi module

Engineer Signature: star

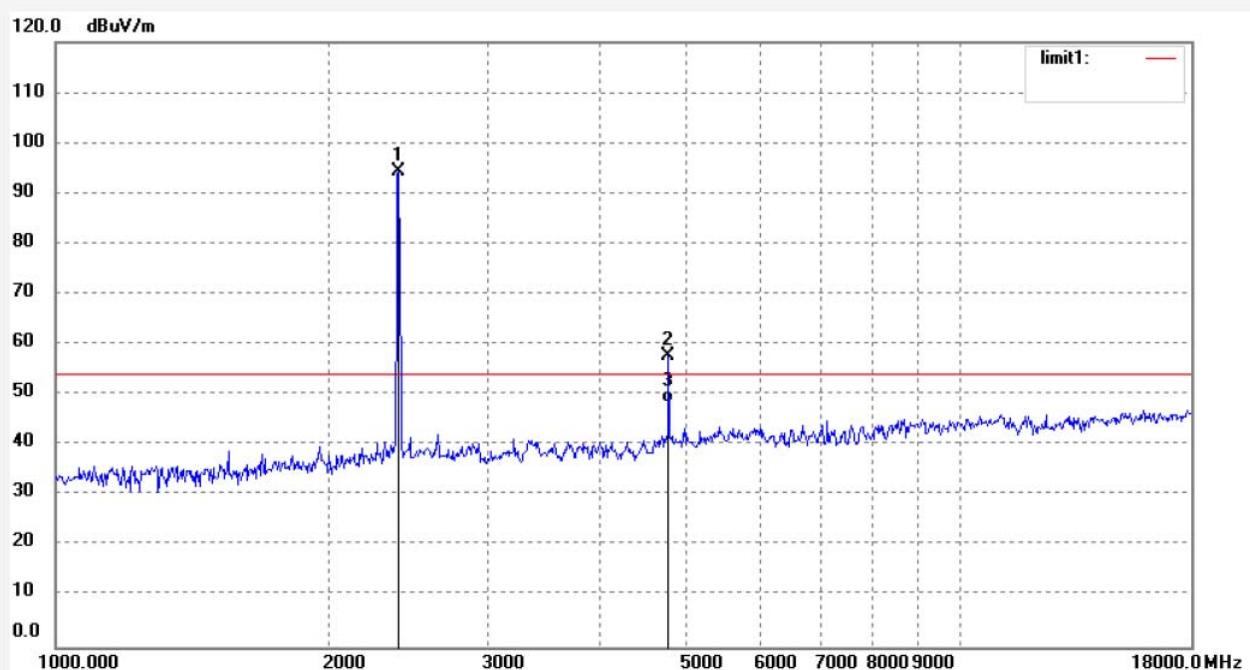
Mode: TX Channel 1(802.11b)

Distance: 3m

Model: WPC0GR2231R

Manufacturer: Prima

Note: Report No.:ATE20171983



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2412.119	100.57	-6.29	94.28			peak	150	344	
2	4824.284	56.89	0.82	57.71	74.00	-16.29	peak	150	249	
3	4824.284	47.67	0.82	48.49	54.00	-5.51	AVG	150	191	

Job No.: star2017 #862

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 12V

Test item: Radiation Test

Date: 17/10/16/

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

Time: 14/34/49

EUT: WiFi module

Engineer Signature: star

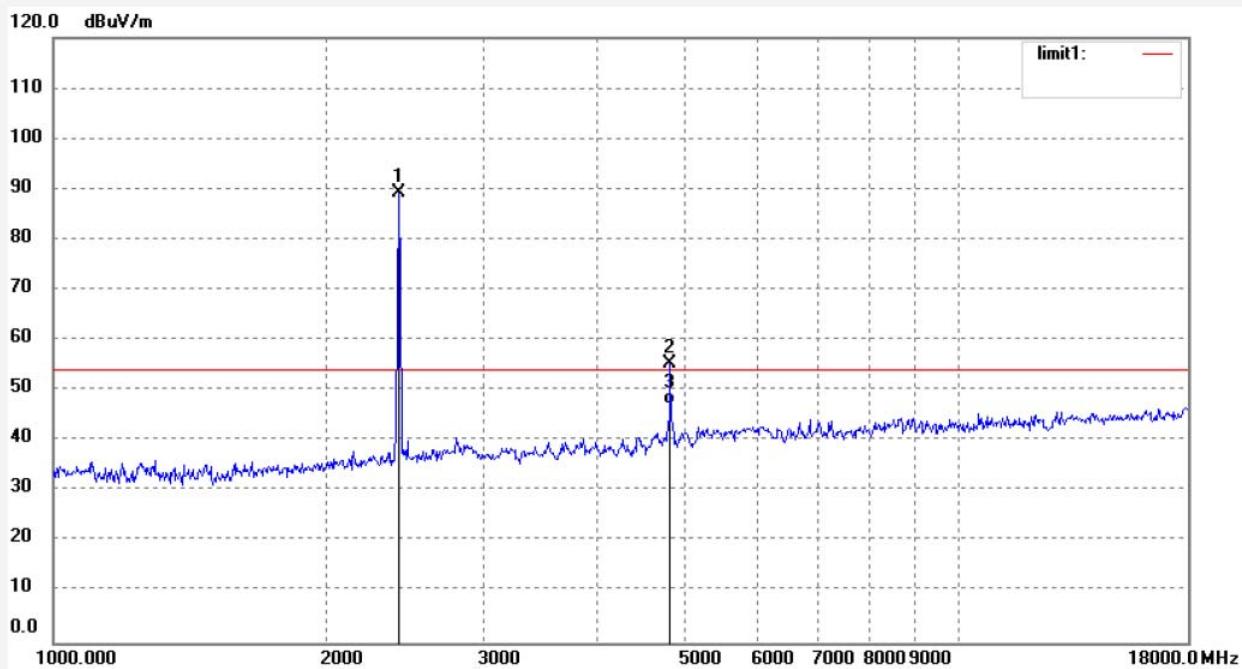
Mode: TX Channel 6(802.11b)

Distance: 3m

Model: WPC0GR2231R

Manufacturer: Prima

Note: Report No.:ATE20171983



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.121	95.39	-6.20	89.19			peak	200	46	
2	4874.224	54.42	1.07	55.49	74.00	-18.51	peak	200	100	
3	4874.224	46.10	1.07	47.17	54.00	-6.83	AVG	200	143	

Job No.: star2017 #863

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 12V

Test item: Radiation Test

Date: 17/10/16/

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

Time: 14/36/05

EUT: WiFi module

Engineer Signature: star

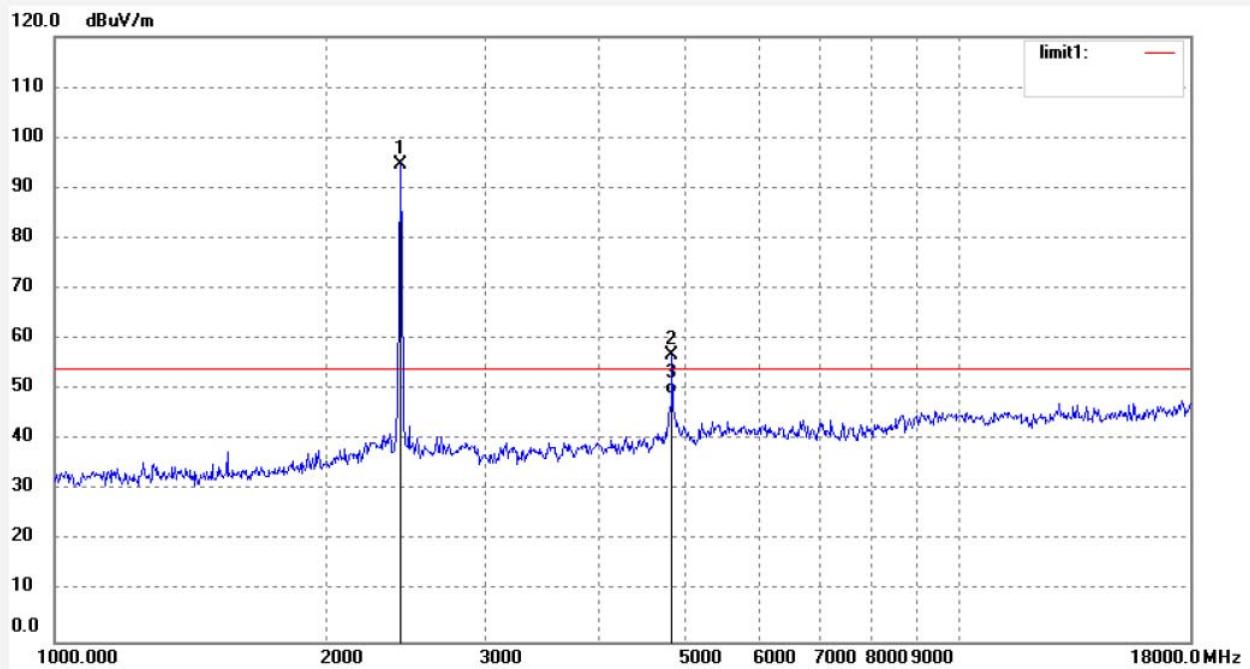
Mode: TX Channel 6(802.11b)

Distance: 3m

Model: WPC0GR2231R

Manufacturer: Prima

Note: Report No.:ATE20171983



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.121	100.86	-6.24	94.62			peak	150	111	
2	4874.224	55.75	1.07	56.82	74.00	-17.18	peak	150	214	
3	4874.224	48.10	1.07	49.17	54.00	-4.83	AVG	150	207	



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

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

Job No.: star2017 #865

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 12V

Test item: Radiation Test

Date: 17/10/16/

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

Time: 14/39/14

EUT: WiFi module

Engineer Signature: star

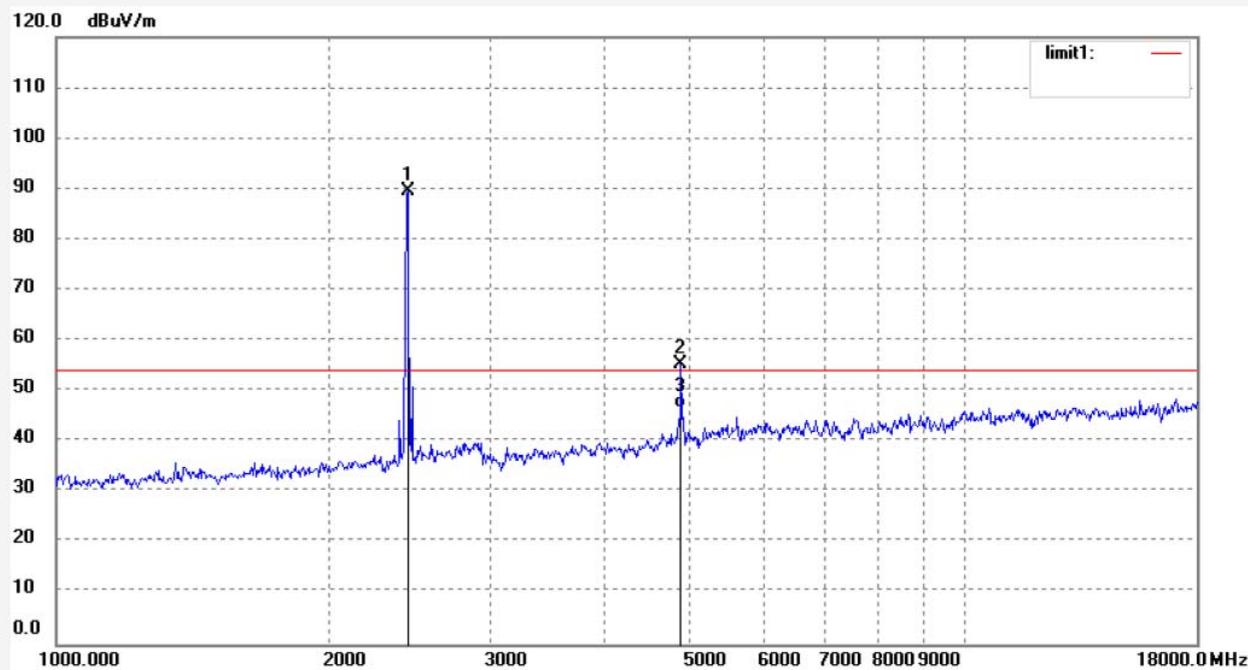
Mode: TX Channel 11(802.11b)

Distance: 3m

Model: WPC0GR2231R

Manufacturer: Prima

Note: Report No.:ATE20171983



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.107	95.55	-6.10	89.45			peak	200	119	
2	4924.217	53.90	1.32	55.22	74.00	-18.78	peak	200	123	
3	4924.217	45.31	1.32	46.63	54.00	-7.37	AVG	200	104	



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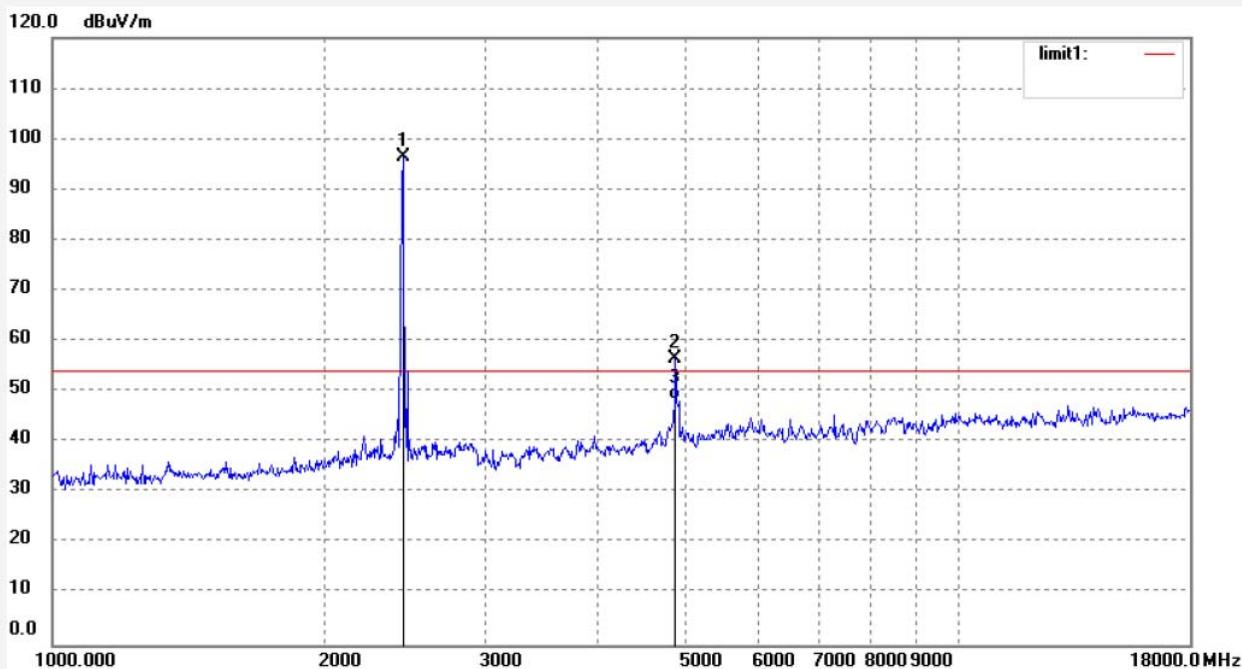
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: star2017 #864
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: WiFi module
Mode: TX Channel 11(802.11b)
Model: WPC0GR2231R
Manufacturer: Prima

Polarization: Vertical
Power Source: DC 12V
Date: 17/10/16/
Time: 14:37:39
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20171983



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.107	102.41	-6.10	96.31			peak	150	112	
2	4924.217	55.29	1.32	56.61	74.00	-17.39	peak	150	263	
3	4924.217	47.00	1.32	48.32	54.00	-5.68	AVG	150	208	



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

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

Job No.: star2017 #866

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 12V

Test item: Radiation Test

Date: 17/10/16/

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

Time: 14/45/24

EUT: WiFi module

Engineer Signature: star

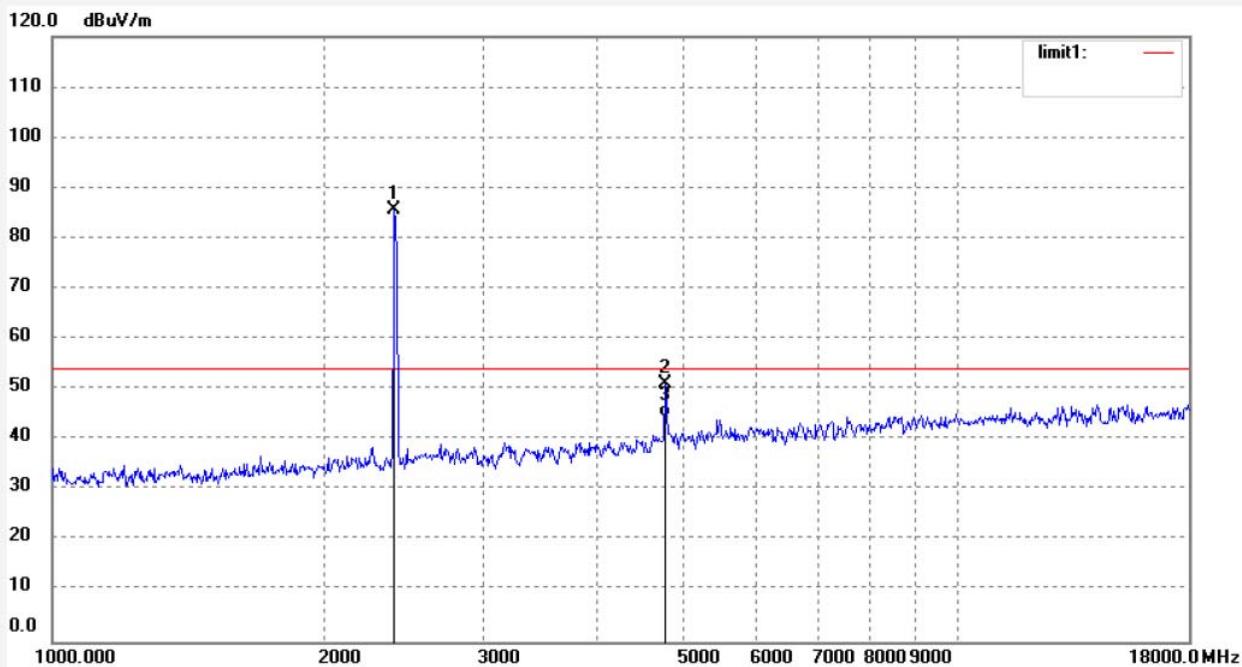
Mode: TX Channel 1(802.11g)

Distance: 3m

Model: WPC0GR2231R

Manufacturer: Prima

Note: Report No.:ATE20171983



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2412.159	91.84	-6.33	85.51			peak	200	179	
2	4824.284	50.40	0.82	51.22	74.00	-22.78	peak	200	108	
3	4824.284	43.60	0.82	44.42	54.00	-9.58	AVG	200	113	

Job No.: star2017 #867

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 12V

Test item: Radiation Test

Date: 17/10/16/

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

Time: 14/46/54

EUT: WiFi module

Engineer Signature: star

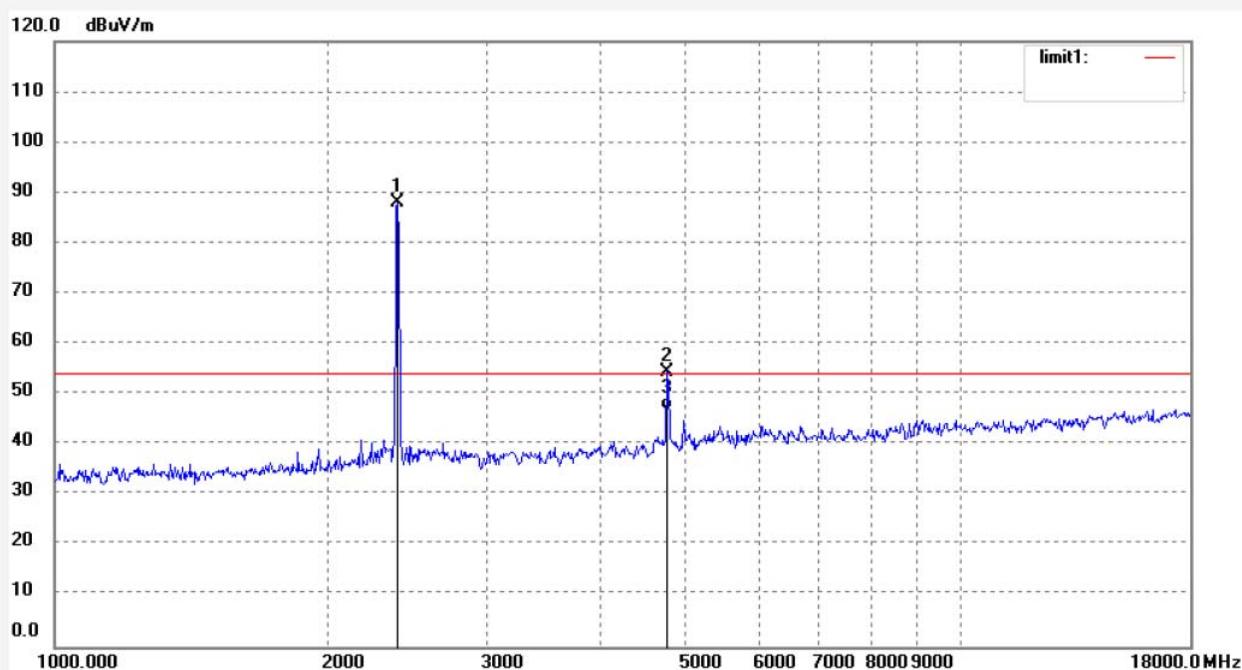
Mode: TX Channel 1(802.11g)

Distance: 3m

Model: WPC0GR2231R

Manufacturer: Prima

Note: Report No.:ATE20171983



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2412.119	94.41	-6.29	88.12			peak	150	177	
2	4824.284	53.84	0.76	54.60	74.00	-19.40	peak	150	204	
3	4824.284	46.10	0.76	46.86	54.00	-7.14	AVG	150	199	

Job No.: star2017 #869

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 12V

Test item: Radiation Test

Date: 17/10/16/

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

Time: 14/50/34

EUT: WiFi module

Engineer Signature: star

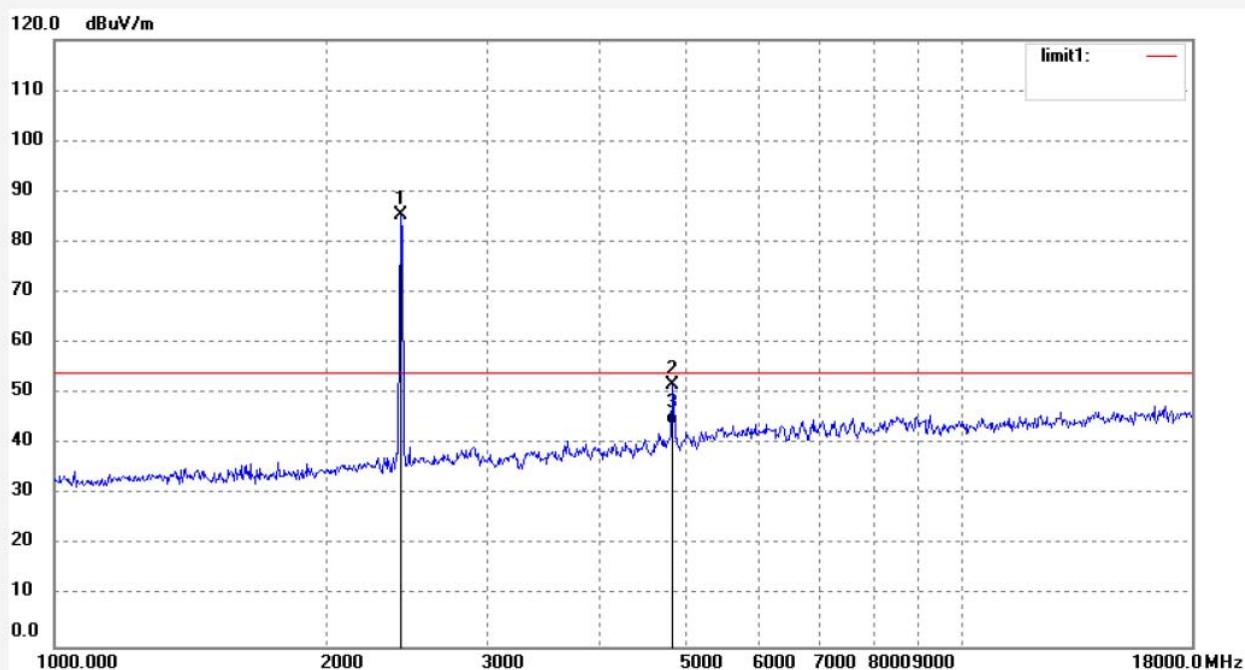
Mode: TX Channel 6(802.11g)

Distance: 3m

Model: WPC0GR2231R

Manufacturer: Prima

Note: Report No.:ATE20171983

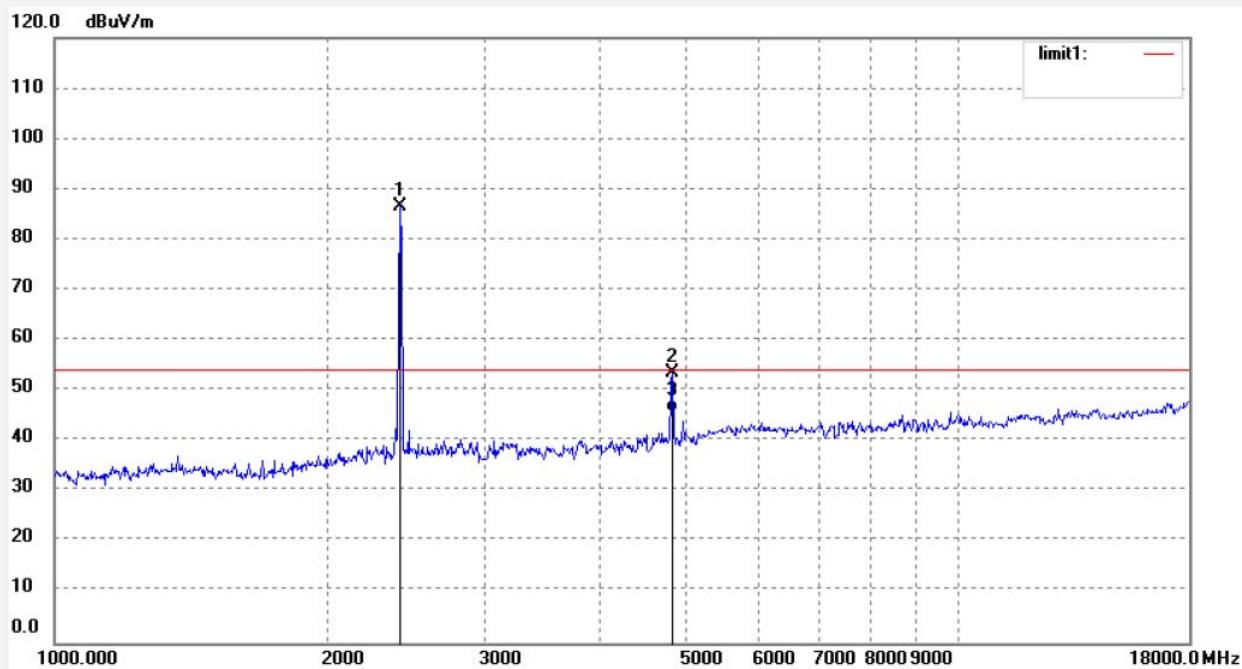


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.121	91.57	-6.20	85.37			peak	200	148	
2	4874.261	50.71	1.00	51.71	74.00	-22.29	peak	200	107	
3	4874.261	43.00	1.00	44.00	54.00	-10.00	AVG	200	199	

Job No.: star2017 #868
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 55 %
 EUT: WiFi module
 Mode: TX Channel 6(802.11g)
 Model: WPC0GR2231R
 Manufacturer: Prima

Polarization: Vertical
 Power Source: DC 12V
 Date: 17/10/16/
 Time: 14:48:47
 Engineer Signature: star
 Distance: 3m

Note: Report No.:ATE20171983



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.100	92.92	-6.24	86.68			peak	150	245	
2	4874.261	52.51	1.13	53.64	74.00	-20.36	peak	150	195	
3	4874.261	44.67	1.13	45.80	54.00	-8.20	AVG	150	214	

Job No.: star2017 #870

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 12V

Test item: Radiation Test

Date: 17/10/16/

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

Time: 14/52/58

EUT: WiFi module

Engineer Signature: star

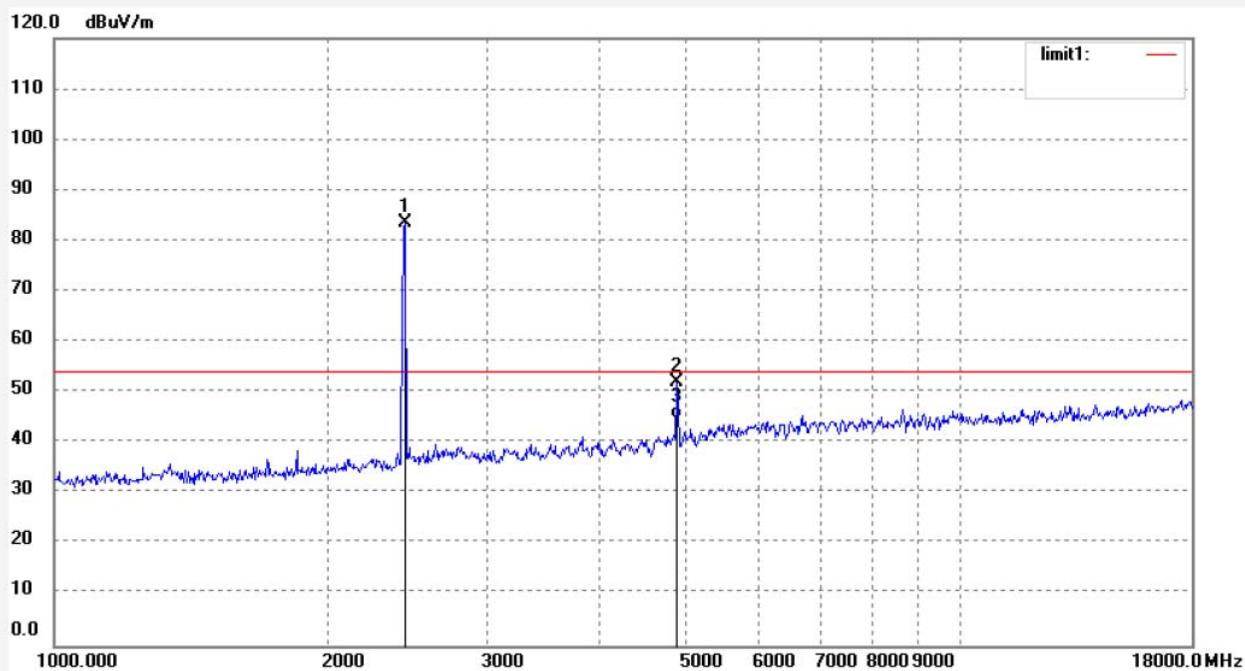
Mode: TX Channel 11(802.11g)

Distance: 3m

Model: WPC0GR2231R

Manufacturer: Prima

Note: Report No.:ATE20171983



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.107	89.54	-6.10	83.44			peak	200	91	
2	4924.217	50.83	1.32	52.15	74.00	-21.85	peak	200	114	
3	4924.217	43.59	1.32	44.91	54.00	-9.09	AVG	200	176	



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Science & Industry Park,Nanshan Shenzhen,P.R.ChinaSite: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: star2017 #871

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 12V

Test item: Radiation Test

Date: 17/10/16/

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

Time: 14/54/25

EUT: WiFi module

Engineer Signature: star

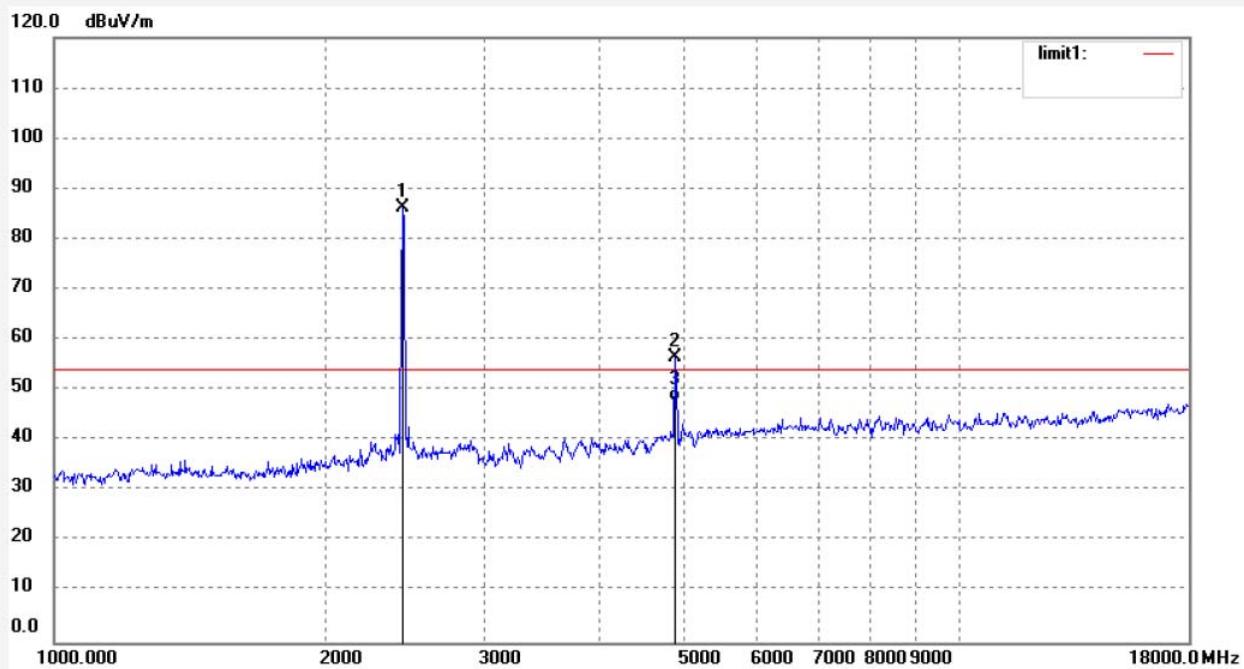
Mode: TX Channel 11(802.11g)

Distance: 3m

Model: WPC0GR2231R

Manufacturer: Prima

Note: Report No.:ATE20171983



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.107	92.31	-6.14	86.17			peak	150	113	
2	4924.217	55.43	1.25	56.68	74.00	-17.32	peak	150	69	
3	4924.217	46.50	1.25	47.75	54.00	-6.25	AVG	150	135	

Job No.: star2017 #873

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 12V

Test item: Radiation Test

Date: 17/10/16/

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

Time: 14/59/14

EUT: WiFi module

Engineer Signature: star

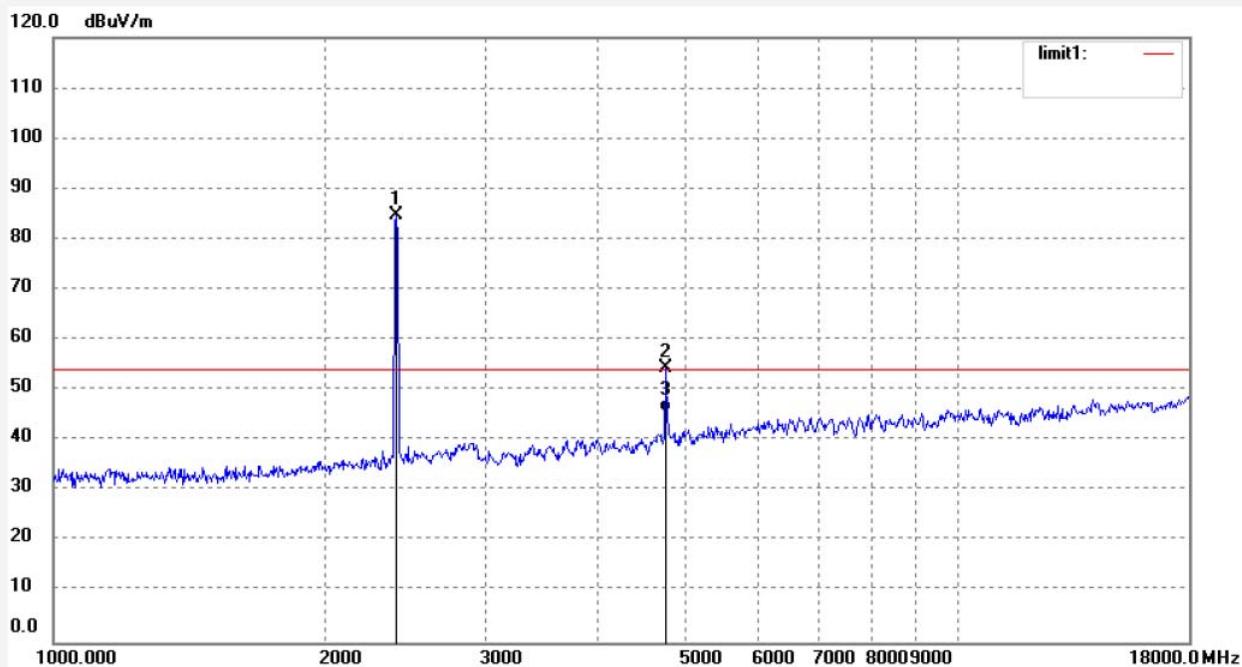
Mode: TX Channel 1(802.11n20)

Distance: 3m

Model: WPC0GR2231R

Manufacturer: Prima

Note: Report No.:ATE20171983



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2412.159	91.10	-6.29	84.81			peak	200	199	
2	4824.284	53.70	0.76	54.46	74.00	-19.54	peak	200	81	
3	4824.284	45.10	0.76	45.86	54.00	-8.14	AVG	200	100	



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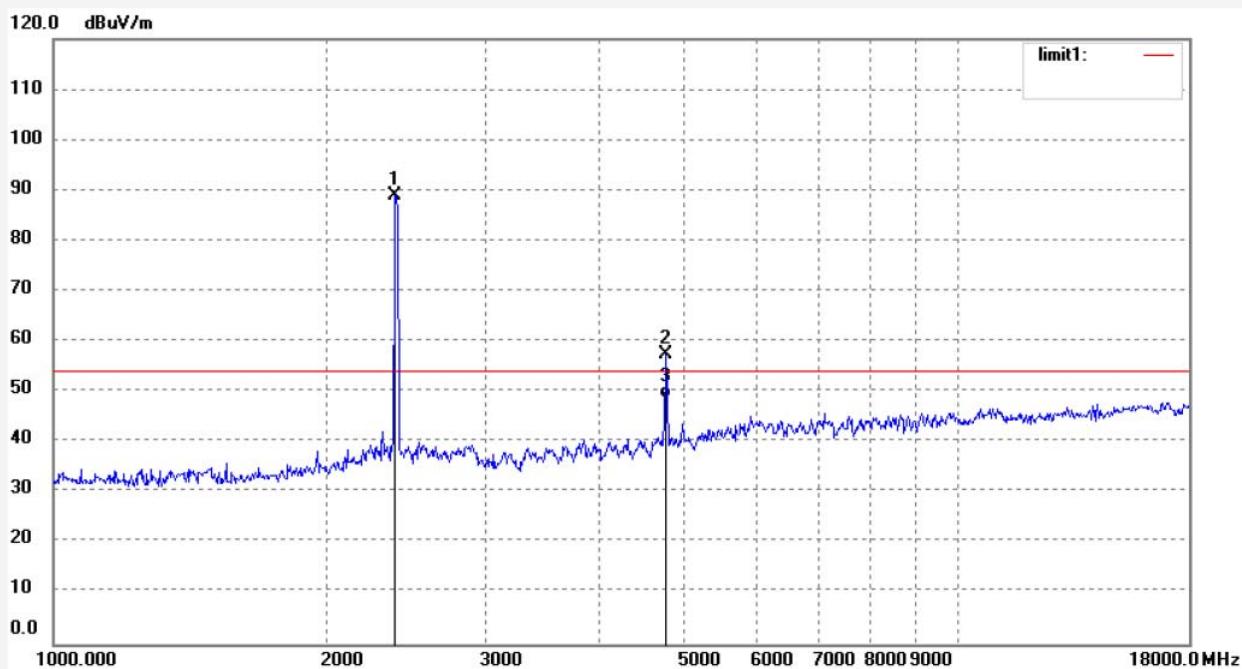
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Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: star2017 #872
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: WiFi module
Mode: TX Channel 1(802.11n20)
Model: WPC0GR2231R
Manufacturer: Prima

Polarization: Vertical
Power Source: DC 12V
Date: 17/10/16/
Time: 14:57:24
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20171983



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2412.159	95.39	-6.33	89.06			peak	150	196	
2	4824.284	56.76	0.82	57.58	74.00	-16.42	peak	150	233	
3	4824.284	48.00	0.82	48.82	54.00	-5.18	AVG	150	252	

Job No.: star2017 #874

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 12V

Test item: Radiation Test

Date: 17/10/16/

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

Time: 15/02/31

EUT: WiFi module

Engineer Signature: star

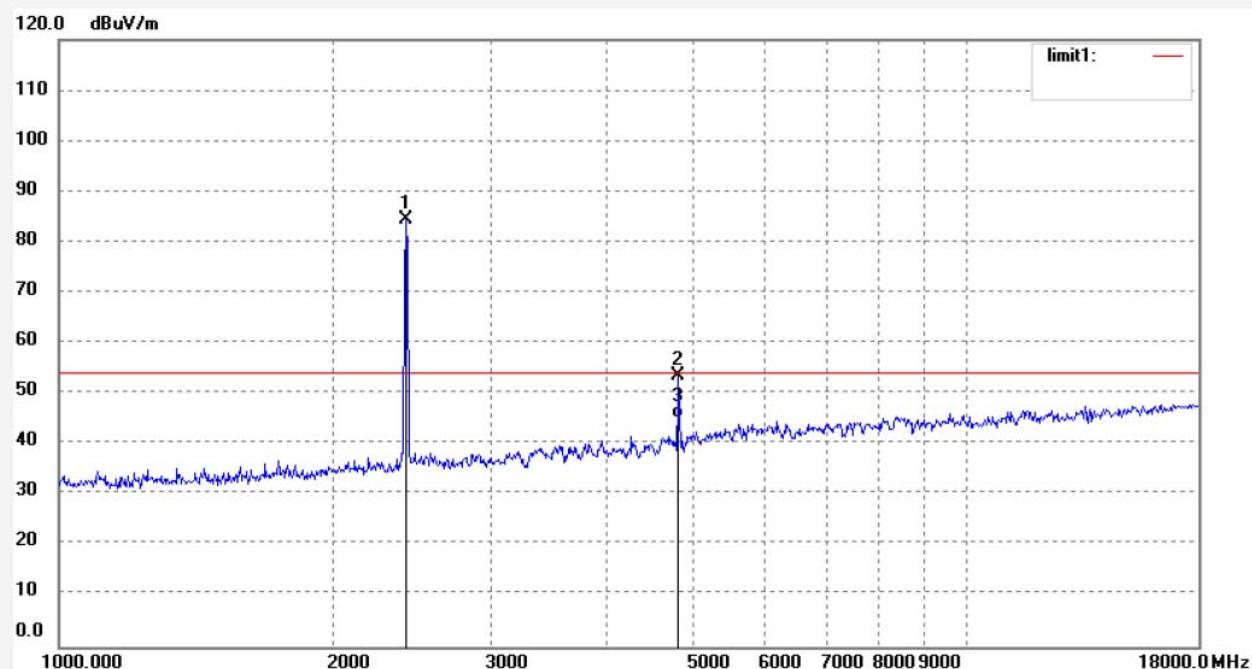
Mode: TX Channel 6(802.11n20)

Distance: 3m

Model: WPC0GR2231R

Manufacturer: Prima

Note: Report No.:ATE20171983



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.100	90.57	-6.24	84.33			peak	200	59	
2	4874.224	52.49	1.07	53.56	74.00	-20.44	peak	200	74	
3	4874.224	44.00	1.07	45.07	54.00	-8.93	AVG	200	108	



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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.ChinaSite: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: star2017 #875

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 12V

Test item: Radiation Test

Date: 17/10/16/

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

Time: 15/04/28

EUT: WiFi module

Engineer Signature: star

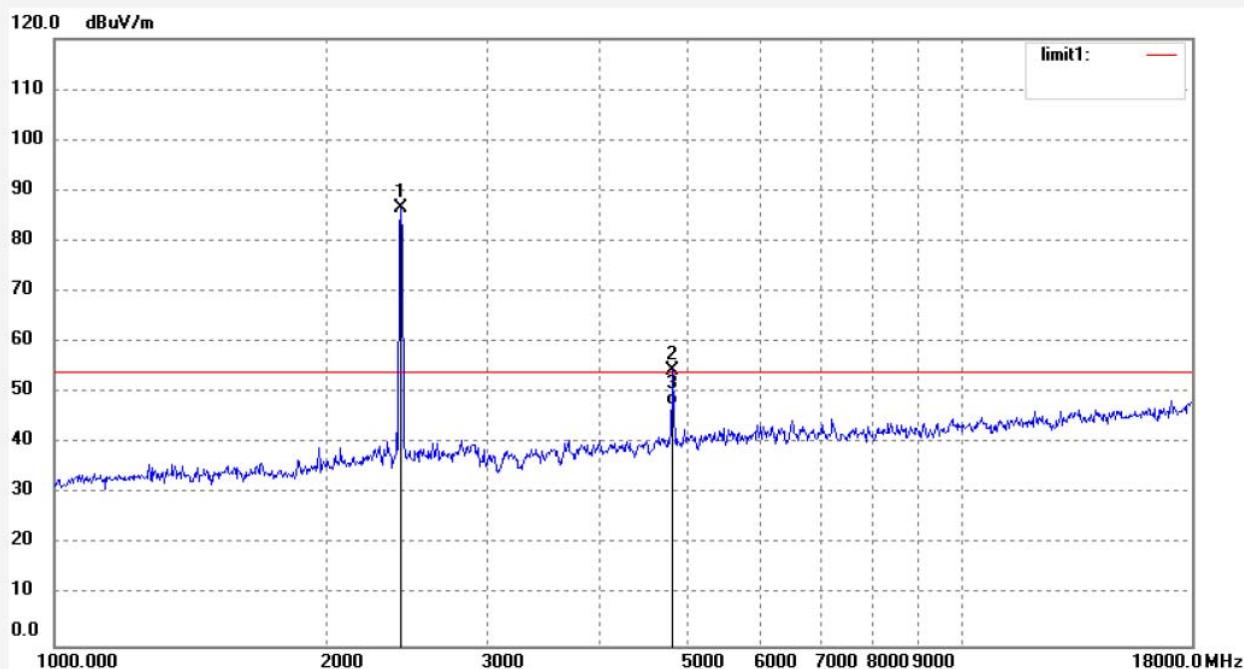
Mode: TX Channel 6(802.11n20)

Distance: 3m

Model: WPC0GR2231R

Manufacturer: Prima

Note: Report No.:ATE20171983



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.100	92.83	-6.24	86.59			peak	150	113	
2	4874.224	53.31	1.07	54.38	74.00	-19.62	peak	150	144	
3	4874.224	46.50	1.07	47.57	54.00	-6.43	AVG	150	208	

Job No.: star2017 #877

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 12V

Test item: Radiation Test

Date: 17/10/16/

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

Time: 15/08/55

EUT: WiFi module

Engineer Signature: star

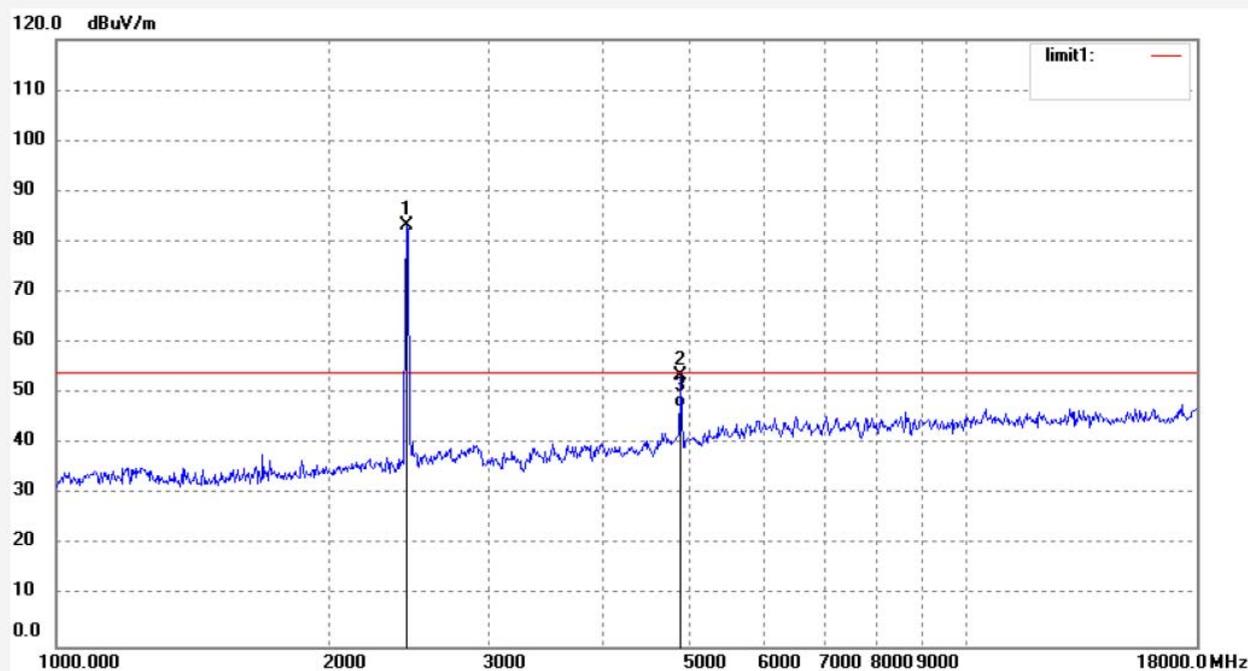
Mode: TX Channel 11(802.11n20)

Distance: 3m

Model: WPC0GR2231R

Manufacturer: Prima

Note: Report No.:ATE20171983



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.124	89.37	-6.14	83.23			peak	200	44	
2	4924.257	52.23	1.32	53.55	74.00	-20.45	peak	200	136	
3	4924.257	46.00	1.32	47.32	54.00	-6.68	AVG	200	169	