

Job No.: STAR2015 #1360

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: WiFi module

Mode: TX Channel 3(802.11n)40MHz

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Vertical

Power Source: DC 12V

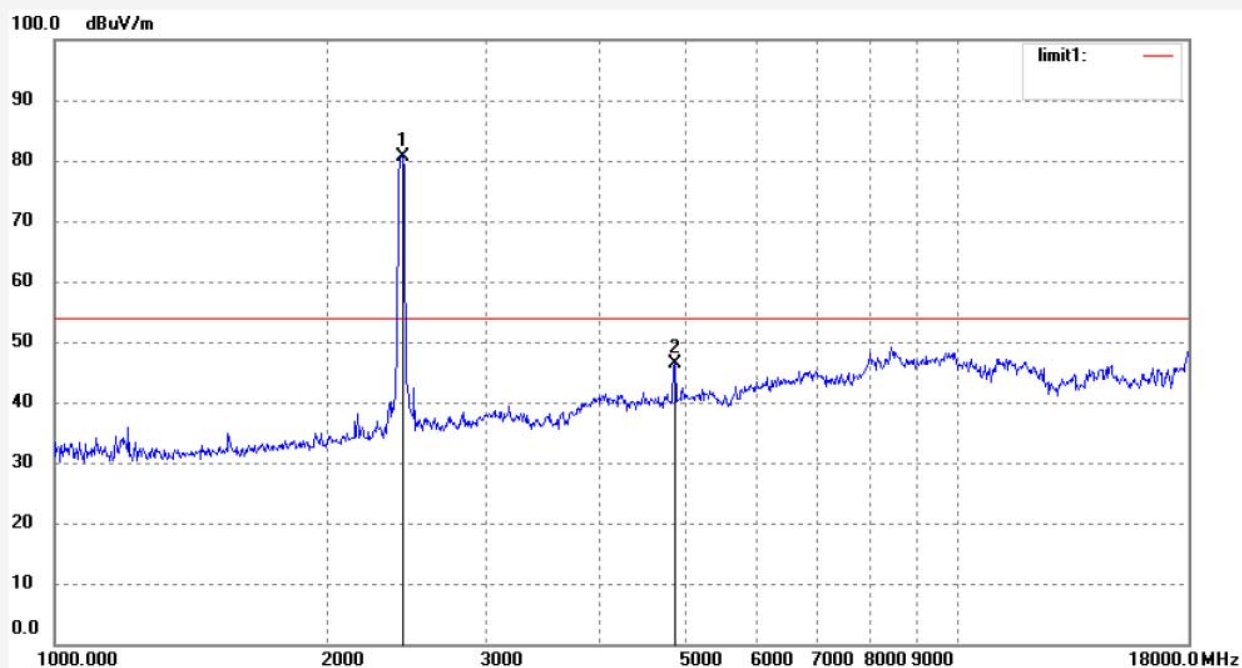
Date: 2016/06/25

Time: 18:28:49

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2421.671	88.10	-7.39	80.71			peak			
2	4843.344	46.38	0.02	46.40	74.00	27.60	peak			

Job No.: STAR2015 #1362

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: WiFi module

Mode: TX Channel 6(802.11n)40MHz

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Horizontal

Power Source: DC 12V

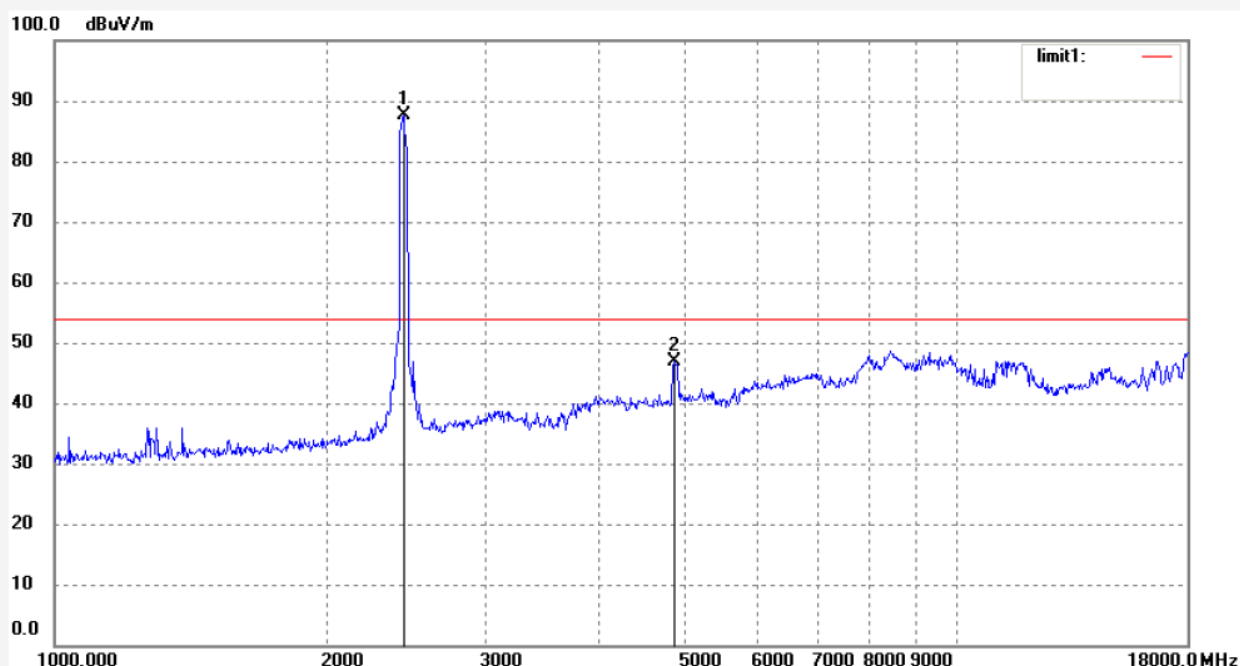
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Time: 18:31:12

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2436.701	94.90	-7.37	87.53			peak			
2	4873.322	46.76	0.02	46.78	74.00	27.22	peak			

Job No.: STAR2015 #1361

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: WiFi module

Mode: TX Channel 6(802.11n)40MHz

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Vertical

Power Source: DC 12V

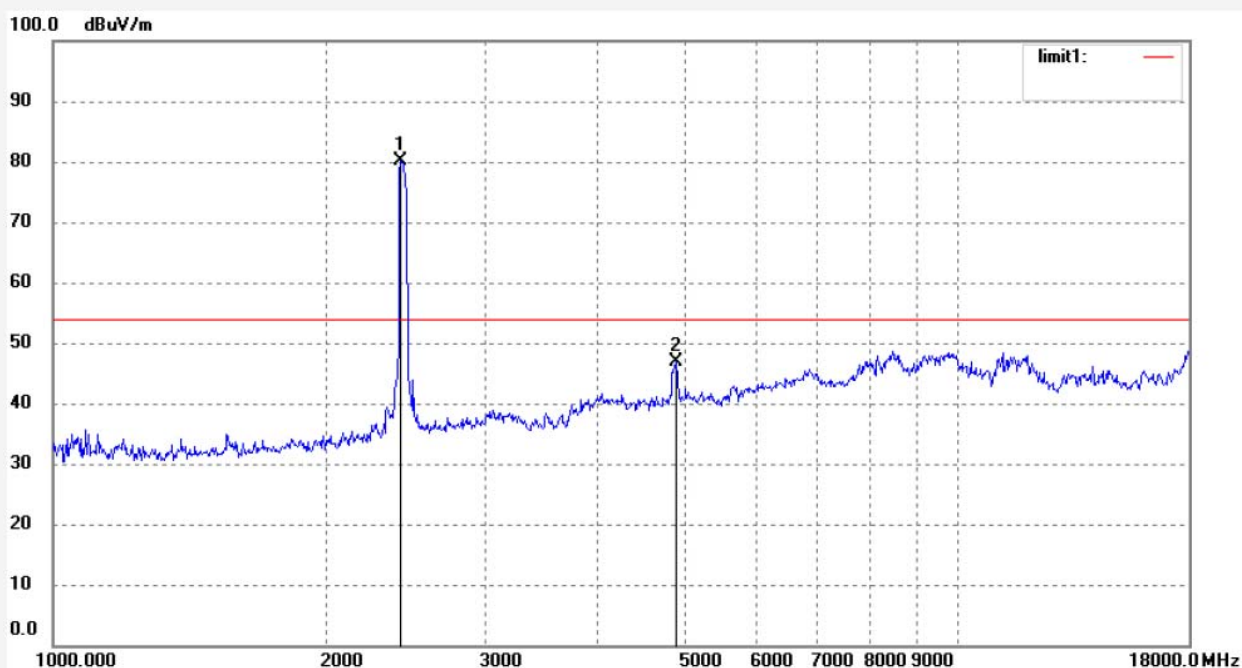
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Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2436.661	87.62	-7.40	80.22			peak			
2	4873.322	46.70	0.09	46.79	74.00	27.21	peak			



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Job No.: STAR2015 #1364

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: WiFi module

Mode: TX Channel 9(802.11n)40MHz

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Horizontal

Power Source: DC 12V

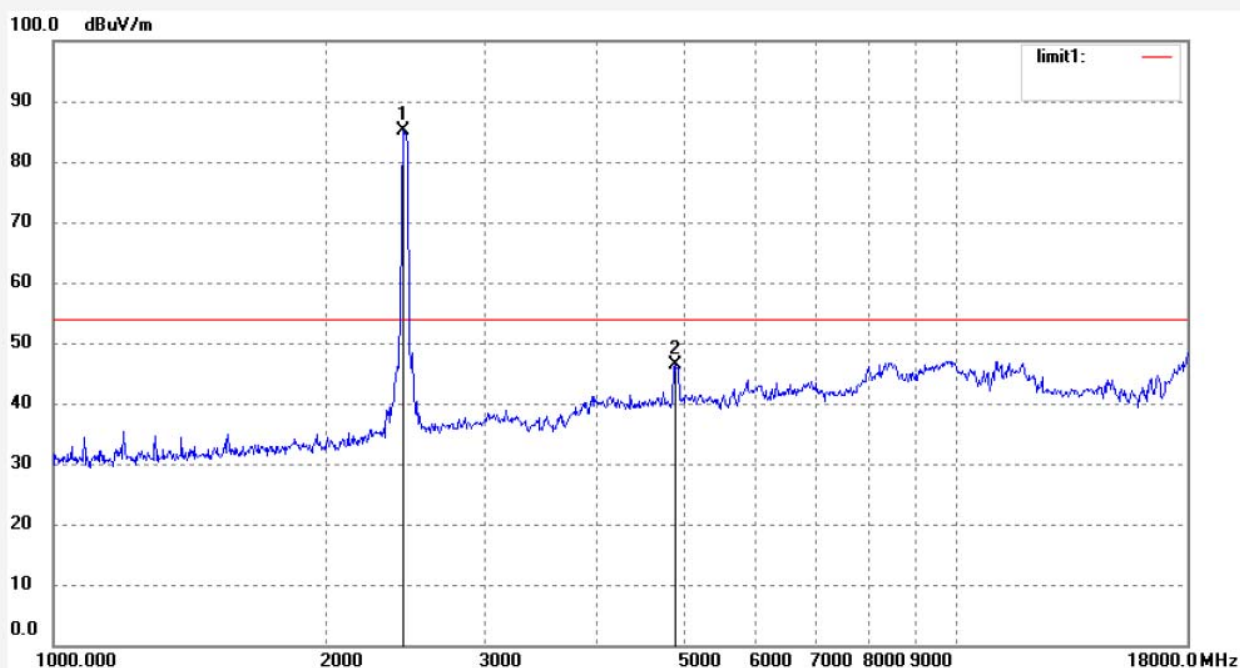
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Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2451.822	92.38	-7.37	85.01			peak			
2	4903.644	46.23	0.09	46.32	74.00	27.68	peak			



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Job No.: STAR2015 #1363

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: WiFi module

Mode: TX Channel 9(802.11n)40MHz

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Vertical

Power Source: DC 12V

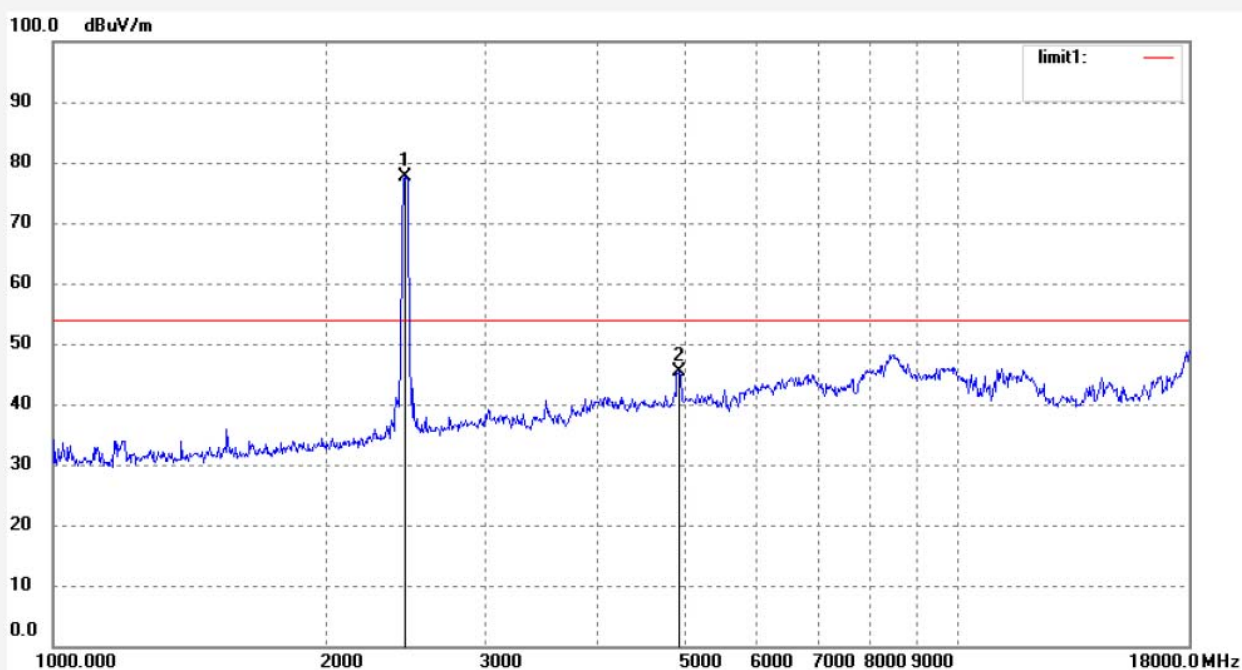
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Time: 18:34:13

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2451.822	84.93	-7.33	77.60			peak			
2	4903.644	44.96	0.32	45.28	74.00	28.72	peak			

10.BAND EDGE COMPLIANCE TEST

10.1.Block Diagram of Test Setup



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 equipment are 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.

10.4.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 MHz. We select 2412MHz, 2462MHz and 2422MHz, 2452MHz TX frequency to transmit.

10.5.Test Procedure

Conducted Band Edge:

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.

Radiate Band Edge:

10.5.3.The EUT is placed on a turntable, which is 1.5m above the ground plane and worked at highest radiated power.

10.5.4.The turntable was rotated for 360 degrees to determine the position of maximum emission level.

10.5.5.EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.

10.5.6.Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:

10.5.7.RBW=1MHz, VBW=1MHz

10.5.8.The band edges was measured and recorded.

10.6.Test Result

The test was performed with 802.11b

Frequency (MHz)	Result of Band Edge ANT 1(dBc)	Result of Band Edge ANT 2 (dBc)	Limit of Band Edge (dBc)
2400	35.54	35.59	> 20dBc
2483.5	54.17	58.15	> 20dBc

The test was performed with 802.11g

Frequency (MHz)	Result of Band Edge ANT 1(dBc)	Result of Band Edge ANT 2 (dBc)	Limit of Band Edge (dBc)
2400	36.83	36.16	> 20dBc
2483.5	53.04	51.91	> 20dBc

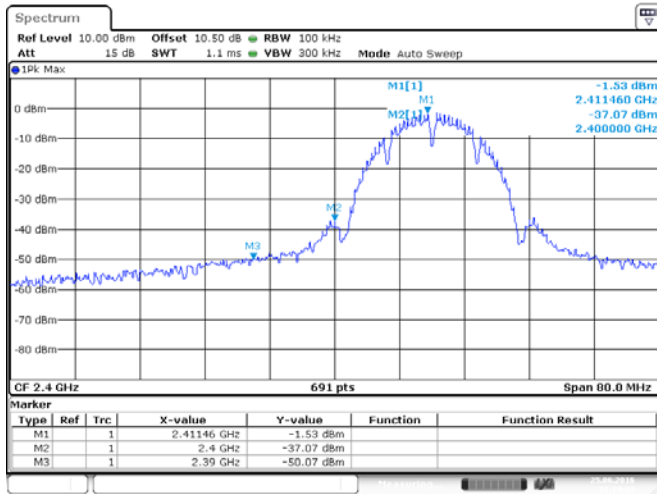
The test was performed with 802.11n (20MHz)

Frequency (MHz)	Result of Band Edge ANT 1(dBc)	Result of Band Edge ANT 2 (dBc)	Limit of Band Edge (dBc)
2400	35.12	34.32	> 20dBc
2483.5	51.59	51.41	> 20dBc

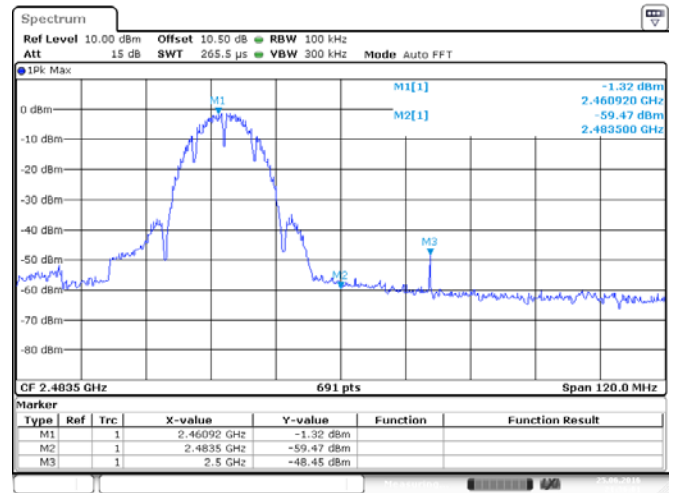
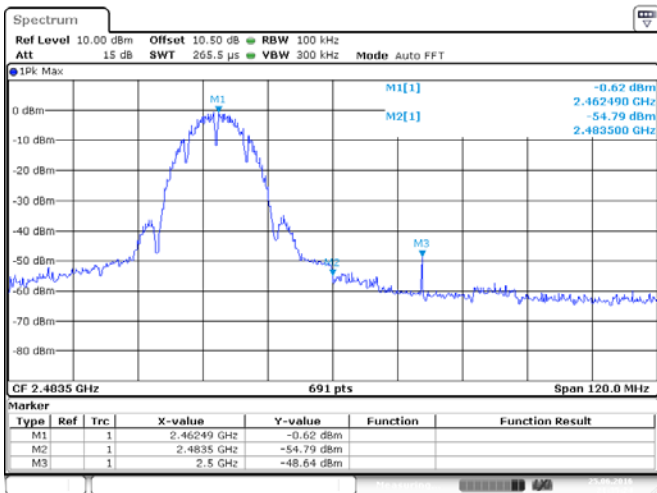
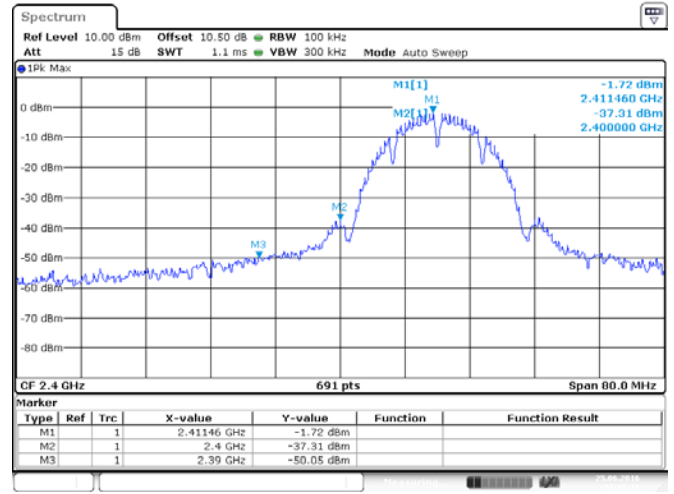
The test was performed with 802.11n (40MHz)

Frequency (MHz)	Result of Band Edge ANT 1(dBc)	Result of Band Edge ANT 2 (dBc)	Limit of Band Edge (dBc)
2400	32.05	31.84	> 20dBc
2483.5	46.06	46.75	> 20dBc

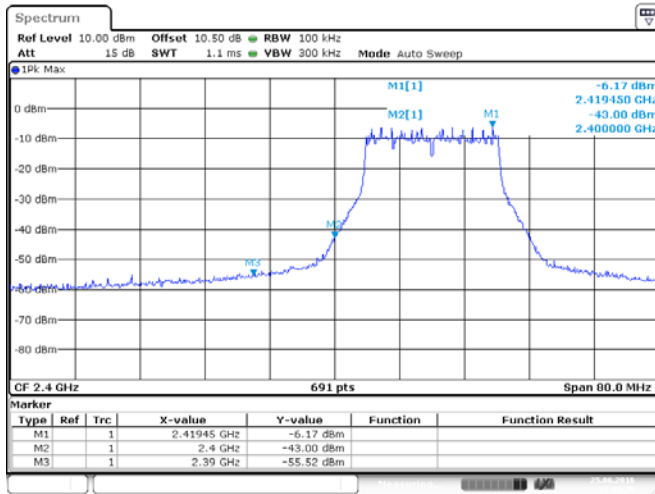
ANT 1(802.11b)



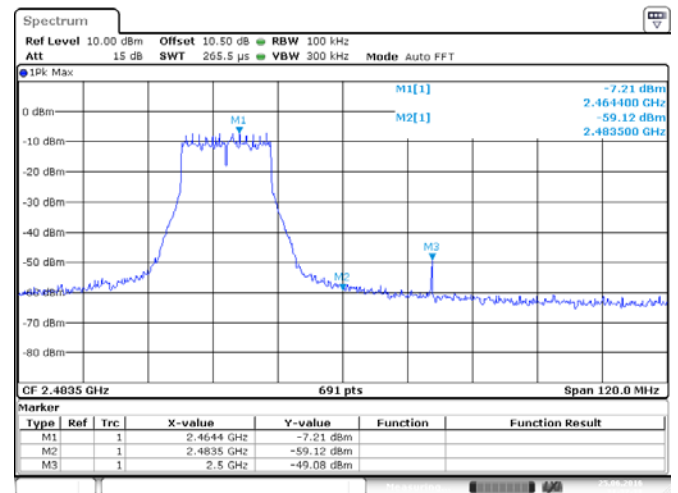
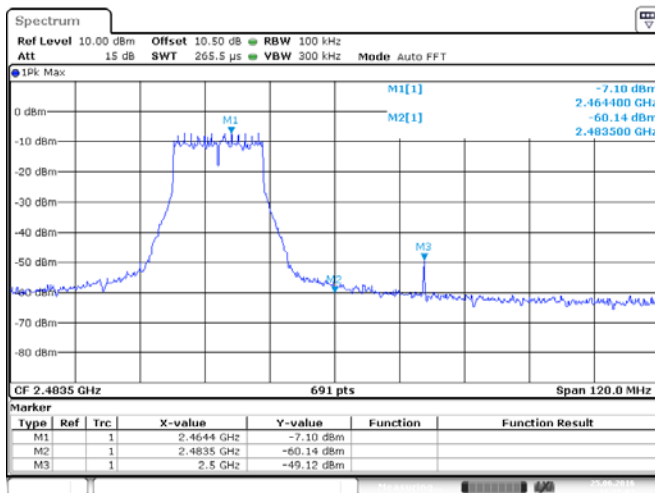
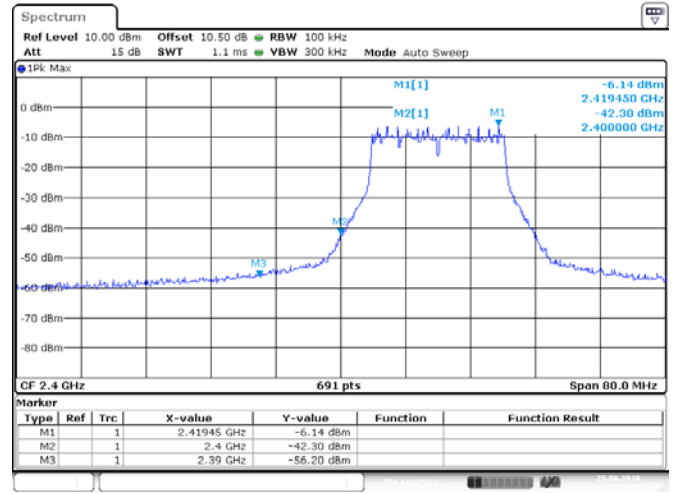
ANT 2(802.11b)



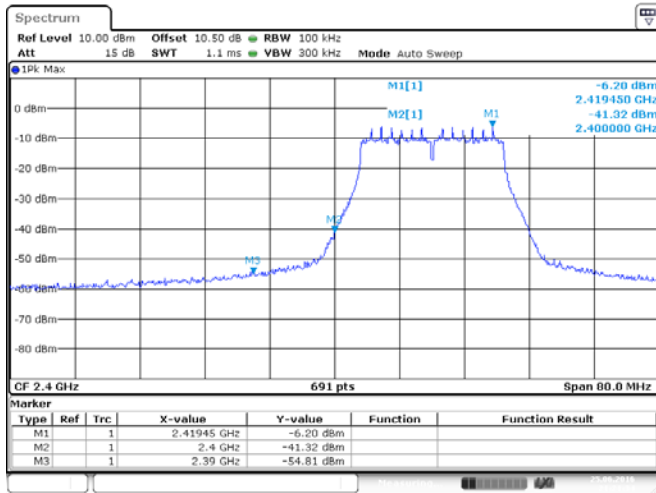
ANT 1(802.11g)



ANT 2(802.11g)

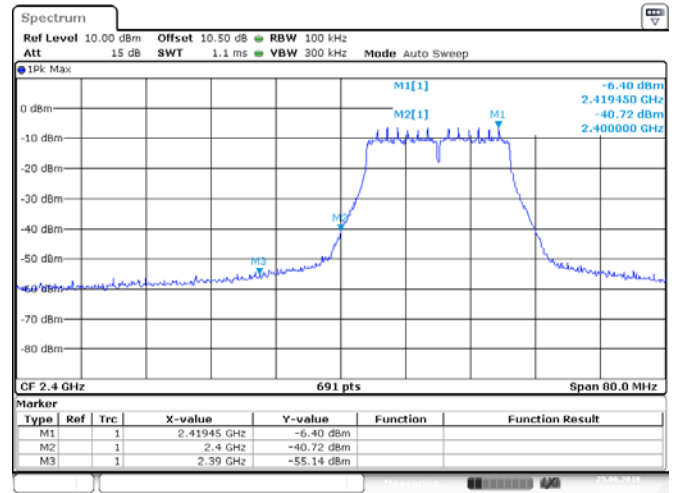


ANT 1(802.11n20)

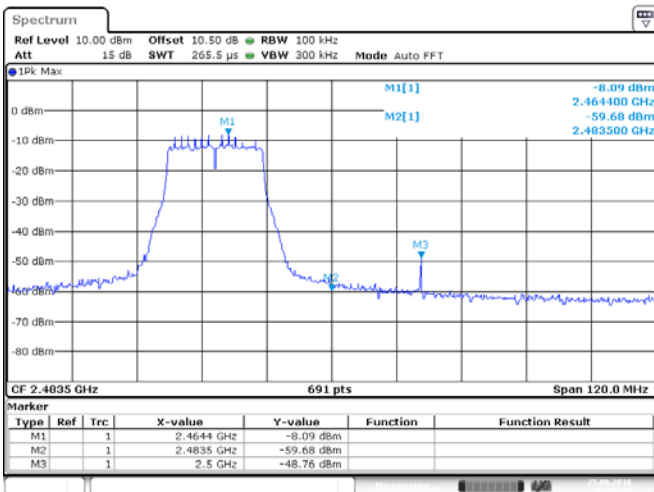


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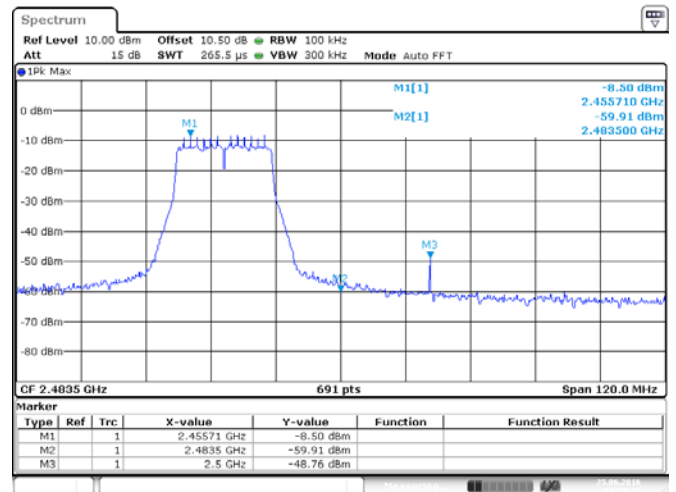
ANT 2(802.11 n20)



Date: 25.JUN.2016 21:22:38

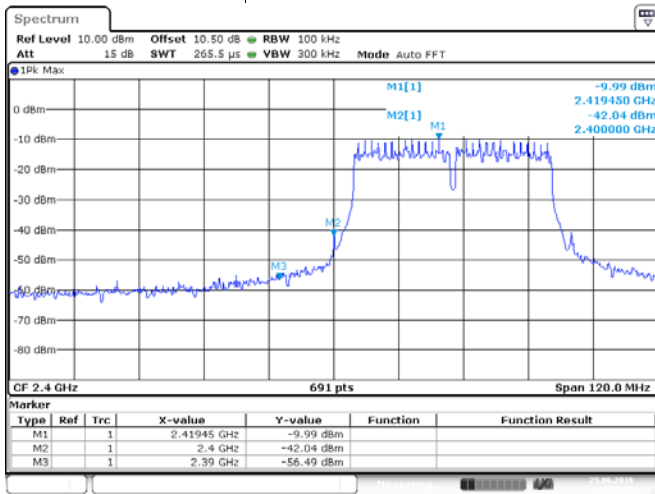


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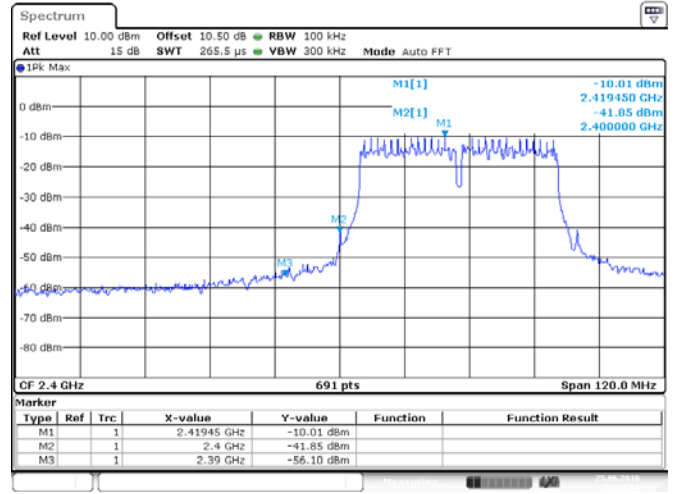
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ANT 1(802.11n40)

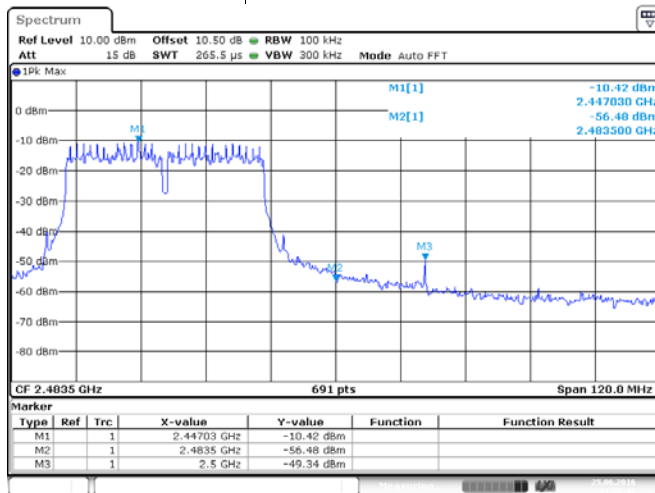


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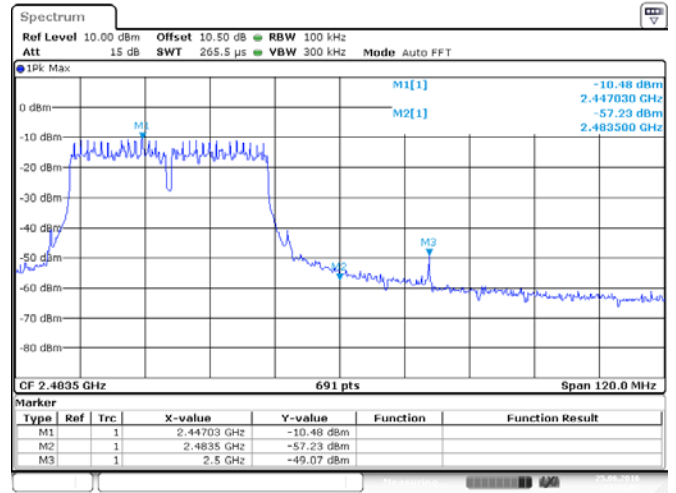
ANT 2(802.11n40)



Date: 25.JUN.2016 21:30:18



Date: 25.JUN.2016 21:32:16



Date: 25.JUN.2016 21:33:07

Radiated Band Edge Result

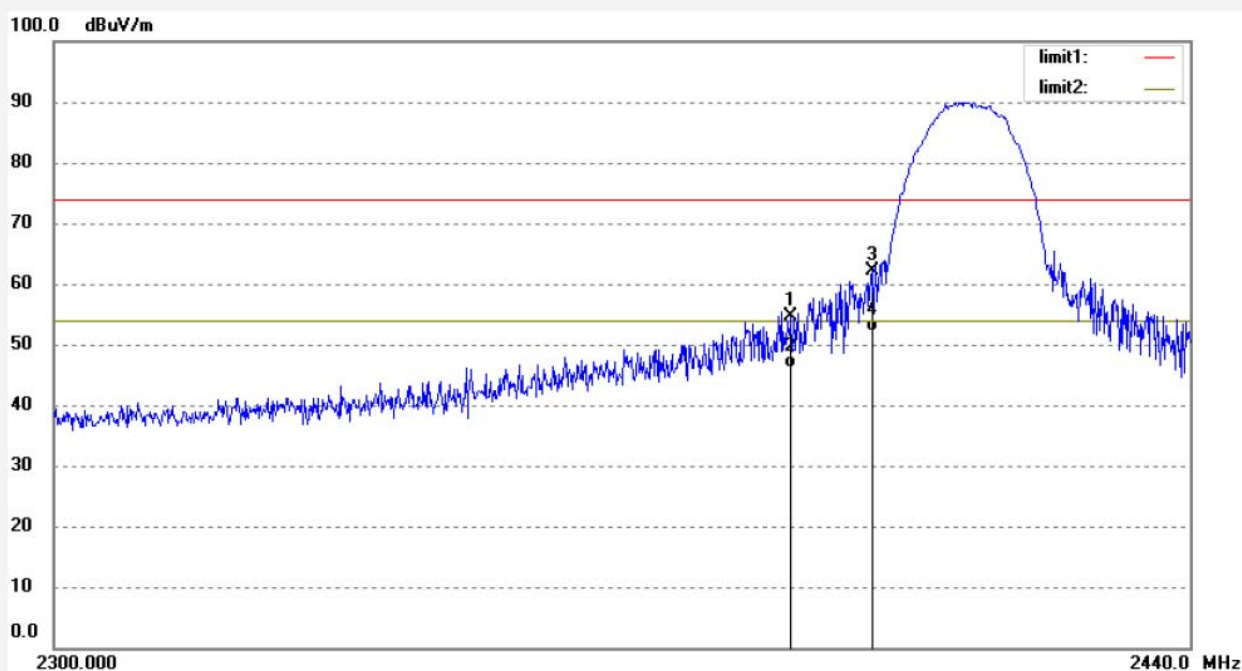
Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$
3. Display the measurement of peak values.
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 average measurement was not performed when peak measured data under the limit of average detection.

Job No.: STAR2015 #1389
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: WiFi module
Mode: TX Channel 1(802.11b)
Model: WPC0GR2231
Manufacturer: Prima

Polarization: Horizontal
Power Source: DC 12V
Date: 2016/06/25
Time: 19:21:01
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20160895



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	62.09	-7.53	54.56	74.00	-19.44	peak			
2	2390.000	53.64	-7.53	46.11	54.00	-7.89	peak			
3	2400.000	69.51	-7.46	62.05	74.00	-11.95	peak			
4	2400.000	59.71	-7.46	52.25	54.00	-1.75	peak			

Note: Average measurement with peak detection at No.2&4

Job No.: STAR2015 #1390

Standard: FCC PK

Test item: Radiation Test

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

EUT: WiFi module

Mode: TX Channel 1(802.11b)

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Vertical

Power Source: DC 12V

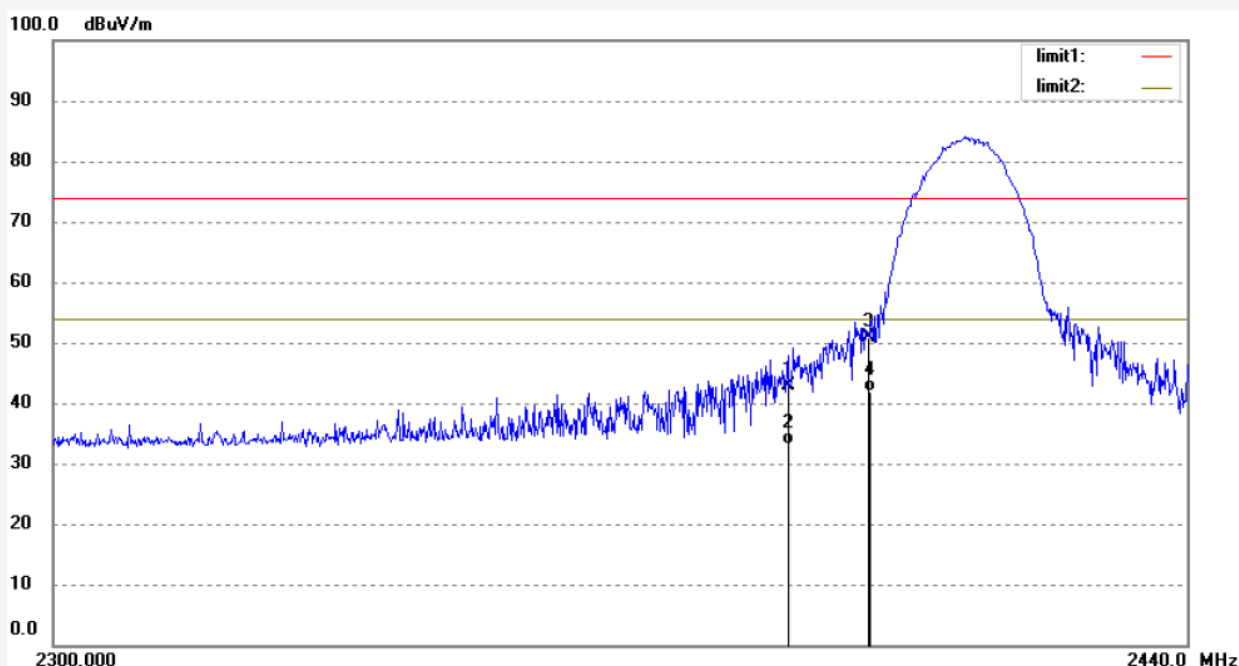
Date: 2016/06/25

Time: 19:22:01

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	50.30	-7.53	42.77	74.00	-31.23	peak			
2	2390.000	40.69	-7.53	33.16	54.00	-20.84	peak			
3	2400.000	58.37	-7.46	50.91	74.00	-23.09	peak			
4	2400.000	49.37	-7.46	41.91	54.00	-12.09	peak			

Note: Average measurement with peak detection at No.2&4



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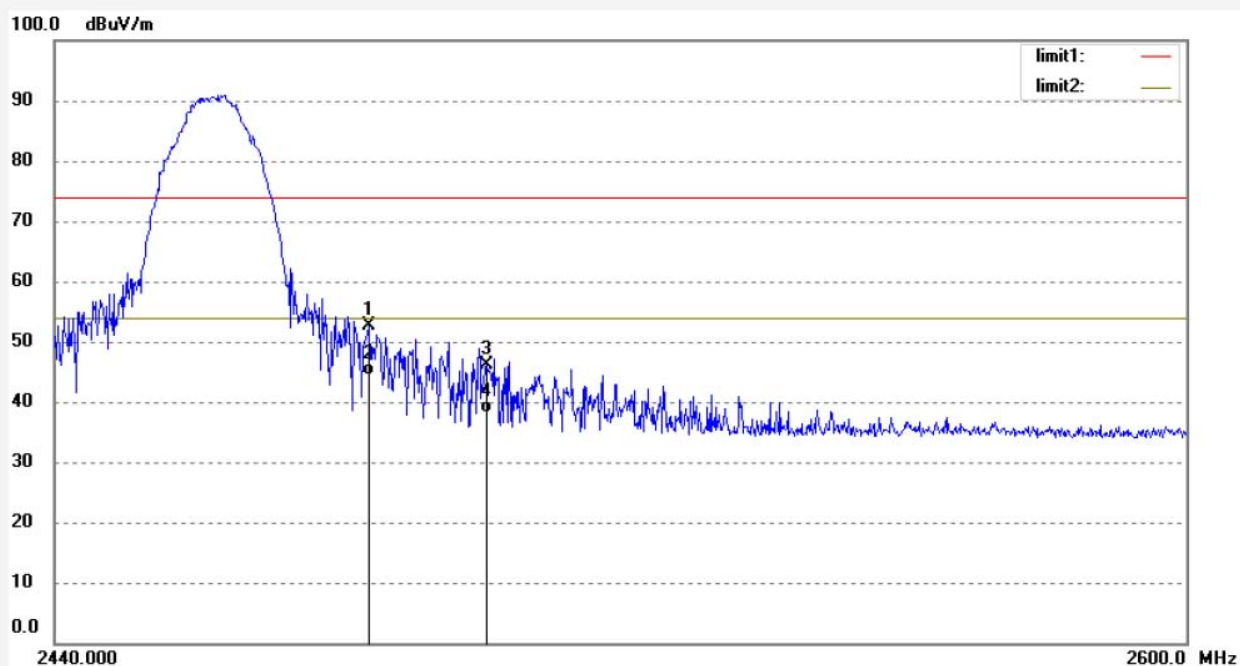
Tel:+86-0755-26503290

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Job No.: STAR2015 #1392
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: WiFi module
Mode: TX Channel 11(802.11b)
Model: WPC0GR2231
Manufacturer: Prima

Polarization: Horizontal
Power Source: DC 12V
Date: 2016/06/25
Time: 19:24:10
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20160895



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	60.01	-7.37	52.64	74.00	-21.36	peak			
2	2483.500	51.71	-7.37	44.34	54.00	-9.66	peak			
3	2500.000	53.52	-7.40	46.12	74.00	-27.88	peak			
4	2500.000	45.55	-7.40	38.15	54.00	-15.85	peak			

Note: Average measurement with peak detection at No.2&4



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Site: 2# Chamber

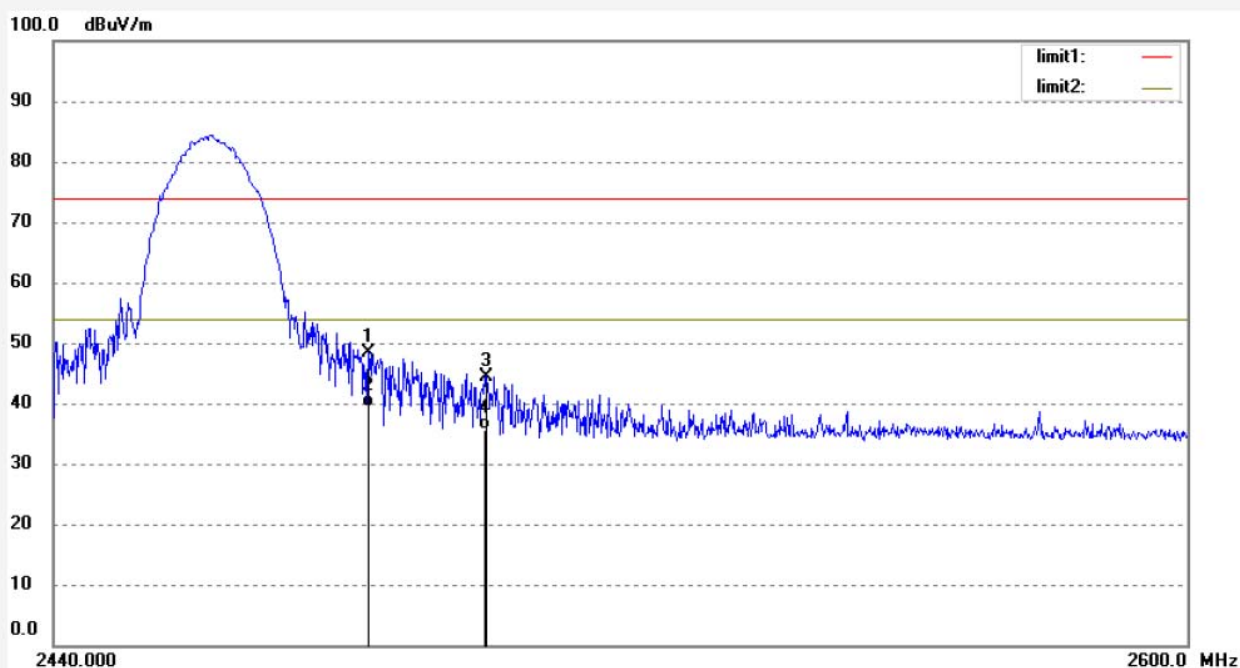
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1391
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: WiFi module
Mode: TX Channel 11(802.11b)
Model: WPC0GR2231
Manufacturer: Prima

Polarization: Vertical
Power Source: DC 12V
Date: 2016/06/25
Time: 19:23:28
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20160895



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	55.84	-7.37	48.47	74.00	-25.53	peak			
2	2483.500	46.78	-7.37	39.41	54.00	-14.59	peak			
3	2500.000	51.70	-7.40	44.30	74.00	-29.70	peak			
4	2500.000	43.09	-7.40	35.69	54.00	-18.31	peak			

Note: Average measurement with peak detection at No.2&4

Job No.: STAR2015 #1396

Standard: FCC PK

Test item: Radiation Test

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

EUT: WiFi module

Mode: TX Channel 1(802.11g)

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Horizontal

Power Source: DC 12V

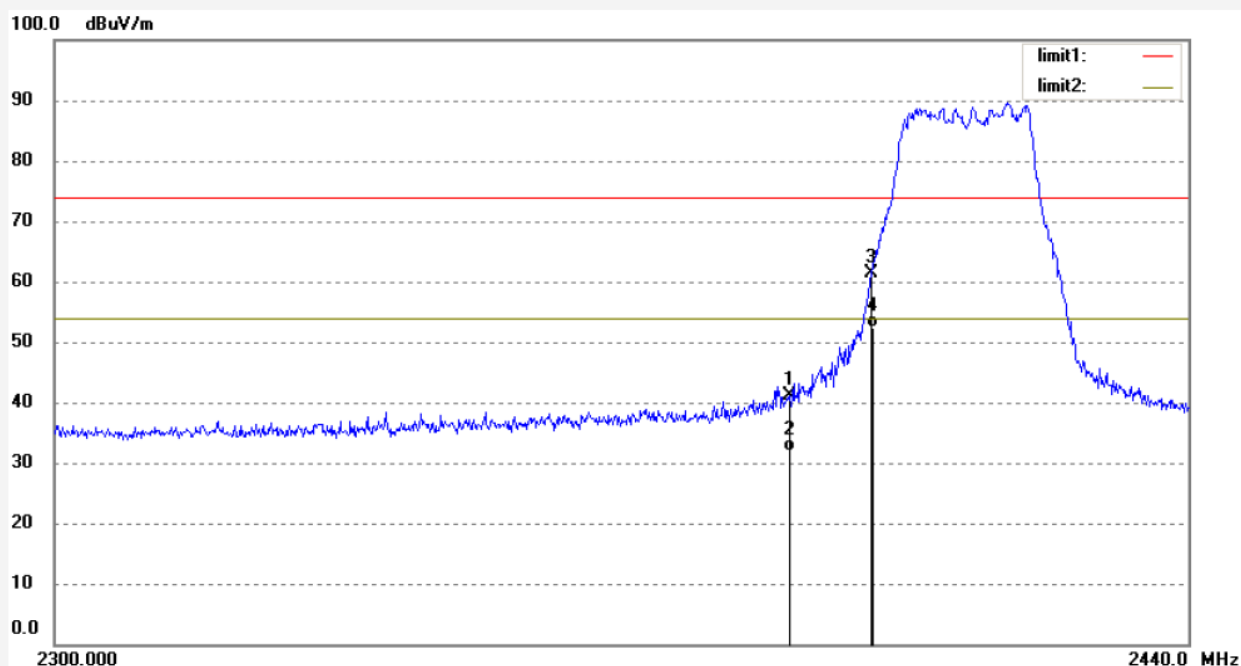
Date: 2016/06/25

Time: 19:29:22

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	48.63	-7.53	41.10	74.00	-32.90	peak			
2	2390.000	39.41	-7.53	31.88	54.00	-22.12	peak			
3	2400.000	68.88	-7.46	61.42	74.00	-12.58	peak			
4	2400.000	59.77	-7.46	52.31	54.00	-1.69	peak			

Note: Average measurement with peak detection at No.2&4



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Job No.: STAR2015 #1395

Standard: FCC PK

Test item: Radiation Test

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

EUT: WiFi module

Mode: TX Channel 1(802.11g)

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Vertical

Power Source: DC 12V

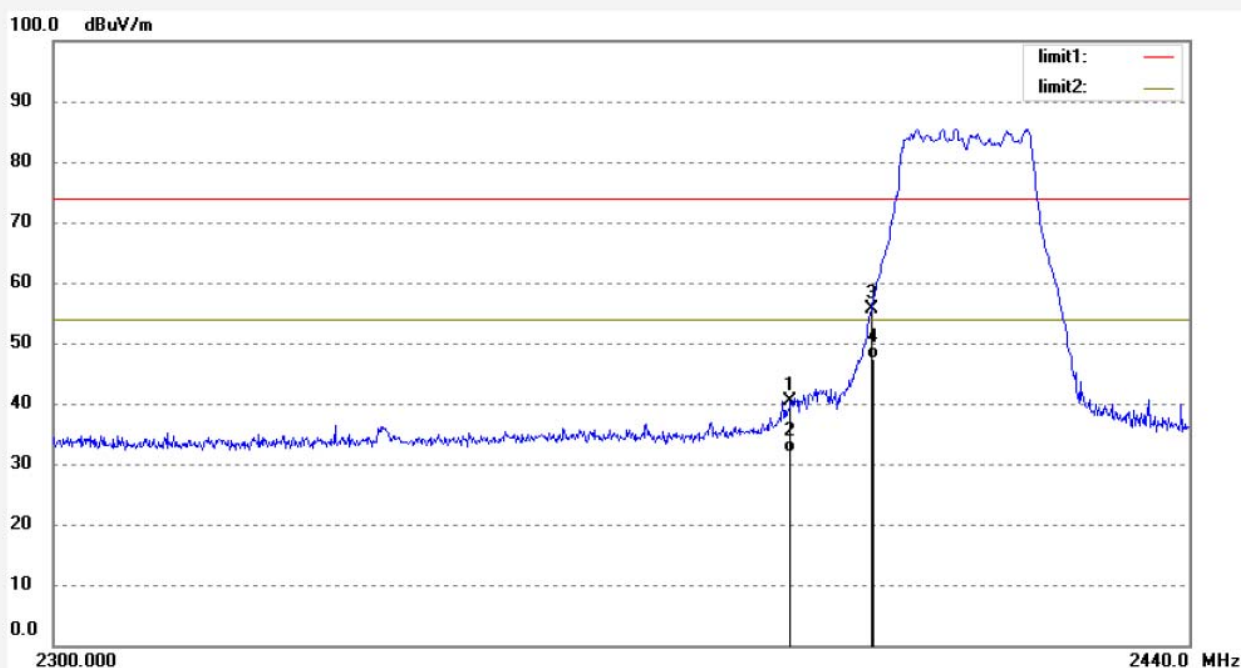
Date: 2016/06/25

Time: 19:28:27

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	47.81	-7.53	40.28	74.00	-33.72	peak			
2	2390.000	39.35	-7.53	31.82	54.00	-22.18	peak			
3	2400.000	63.20	-7.46	55.74	74.00	-18.26	peak			
4	2400.000	54.78	-7.46	47.32	54.00	-6.68	peak			

Note: Average measurement with peak detection at No.2&4



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Site: 2# Chamber

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Job No.: STAR2015 #1393

Standard: FCC PK

Test item: Radiation Test

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

EUT: WiFi module

Mode: TX Channel 11(802.11g)

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Horizontal

Power Source: DC 12V

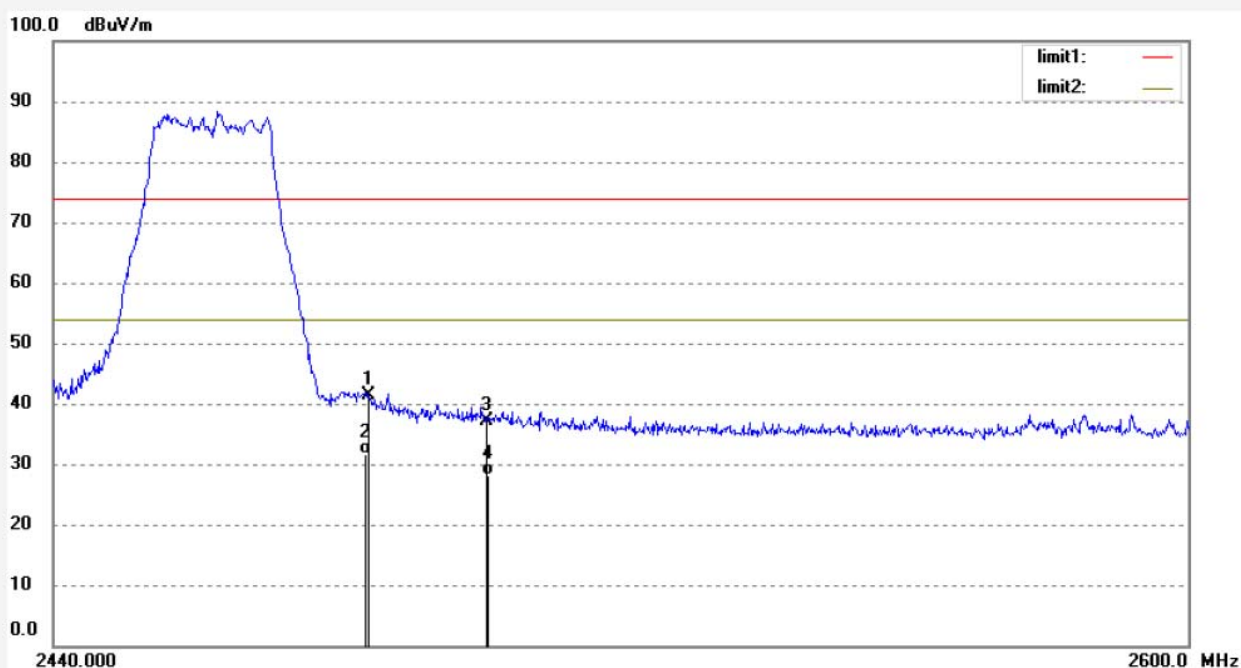
Date: 2016/06/25

Time: 19:25:57

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	48.81	-7.37	41.44	74.00	-32.56	peak			
2	2483.500	39.00	-7.37	31.63	54.00	-22.37	peak			
3	2500.000	44.51	-7.40	37.11	74.00	-36.89	peak			
4	2500.000	35.45	-7.40	28.05	54.00	-25.95	peak			

Note: Average measurement with peak detection at No.2&4

Job No.: STAR2015 #1394

Standard: FCC PK

Test item: Radiation Test

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

EUT: WiFi module

Mode: TX Channel 11(802.11g)

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Vertical

Power Source: DC 12V

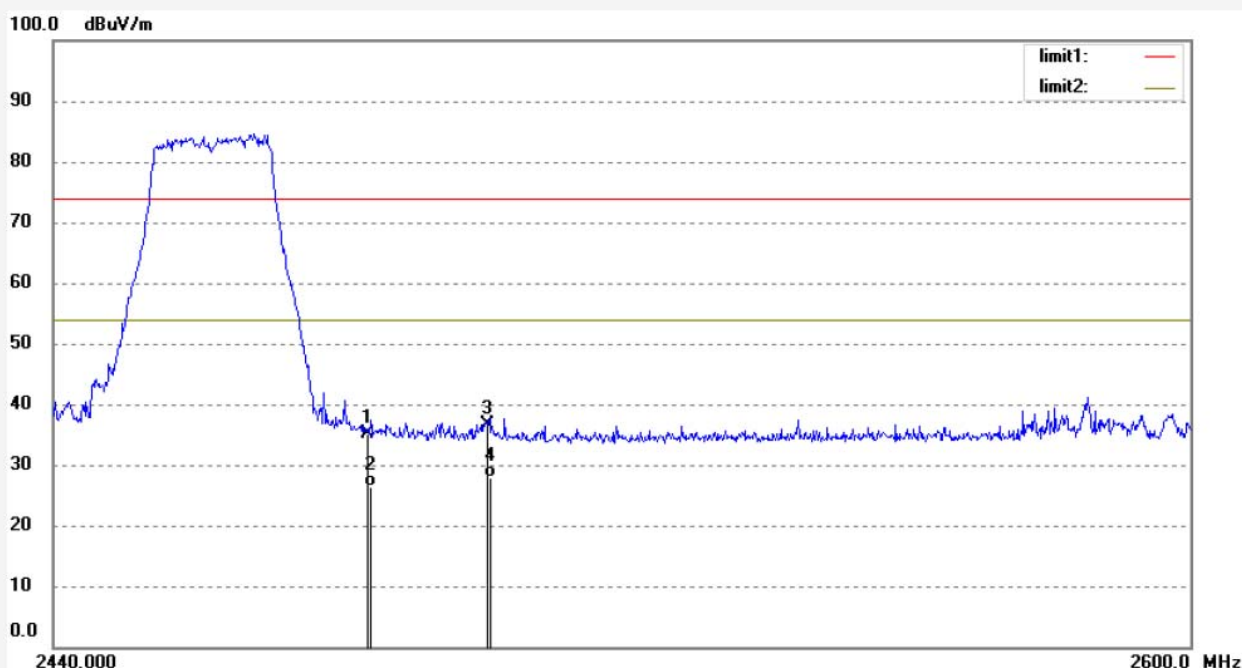
Date: 2016/06/25

Time: 19:26:45

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	42.38	-7.37	35.01	74.00	-38.99	peak			
2	2483.500	33.81	-7.37	26.44	54.00	-27.56	peak			
3	2500.000	43.93	-7.40	36.53	74.00	-37.47	peak			
4	2500.000	35.28	-7.40	27.88	54.00	-26.12	peak			

Note: Average measurement with peak detection at No.2&4



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Job No.: STAR2015 #1397

Standard: FCC PK

Test item: Radiation Test

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

EUT: WiFi module

Mode: TX Channel 1(802.11n)20MH

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Horizontal

Power Source: DC 12V

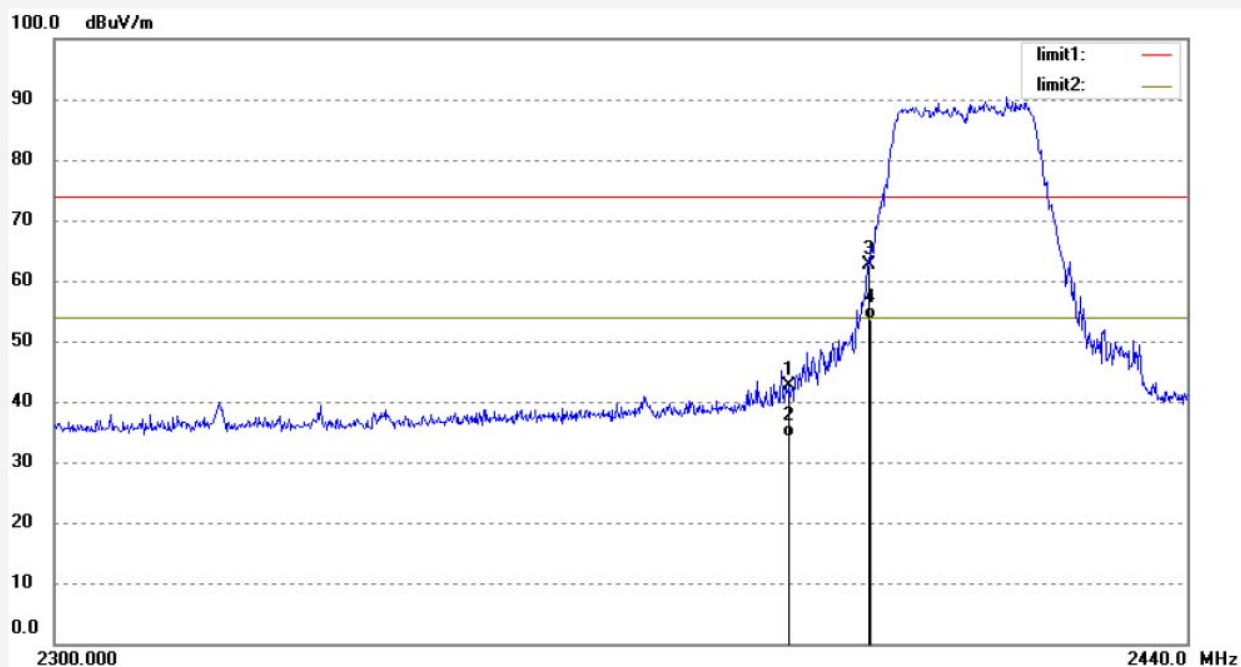
Date: 2016/06/25

Time: 19:30:48

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	50.16	-7.53	42.63	74.00	-31.37	peak			
2	2390.000	41.74	-7.53	34.21	54.00	-19.79	peak			
3	2400.000	70.04	-7.46	62.58	74.00	-11.42	peak			
4	2400.000	61.00	-7.46	53.54	54.00	-0.46	peak			

Note: Average measurement with peak detection at No.2&4



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Job No.: STAR2015 #1398

Standard: FCC PK

Test item: Radiation Test

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

EUT: WiFi module

Mode: TX Channel 1(802.11n)20MH

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Vertical

Power Source: DC 12V

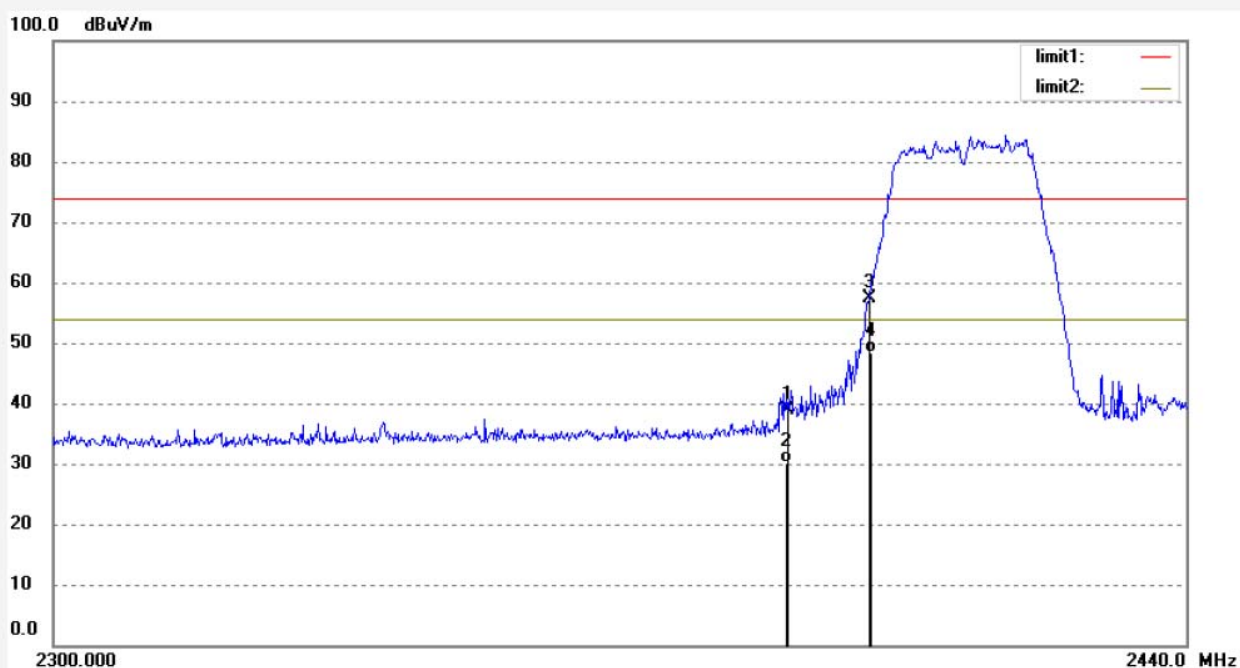
Date: 2016/06/25

Time: 19:31:44

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	46.41	-7.53	38.88	74.00	-35.12	peak			
2	2390.000	37.69	-7.53	30.16	54.00	-23.84	peak			
3	2400.000	64.89	-7.46	57.43	74.00	-16.57	peak			
4	2400.000	55.72	-7.46	48.26	54.00	-5.74	peak			

Note: Average measurement with peak detection at No.2&4

Job No.: STAR2015 #1400

Standard: FCC PK

Test item: Radiation Test

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

EUT: WiFi module

Mode: TX Channel 11(802.11n)20MHz

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Horizontal

Power Source: DC 12V

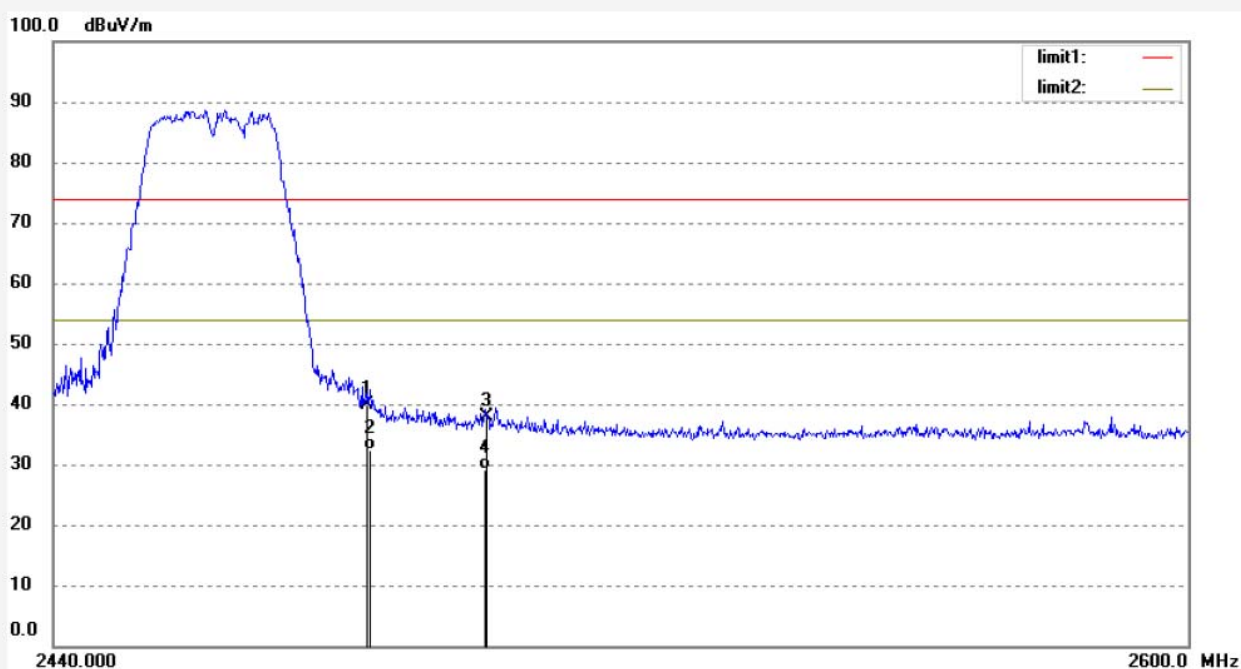
Date: 2016/06/25

Time: 19:34:03

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	47.26	-7.37	39.89	74.00	-34.11	peak			
2	2483.500	39.67	-7.37	32.30	54.00	-21.70	peak			
3	2500.000	45.37	-7.40	37.97	74.00	-36.03	peak			
4	2500.000	36.51	-7.40	29.11	54.00	-24.89	peak			

Note: Average measurement with peak detection at No.2&4



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Job No.: STAR2015 #1399

Standard: FCC PK

Test item: Radiation Test

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

EUT: WiFi module

Mode: TX Channel 11(802.11n)20MH

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Vertical

Power Source: DC 12V

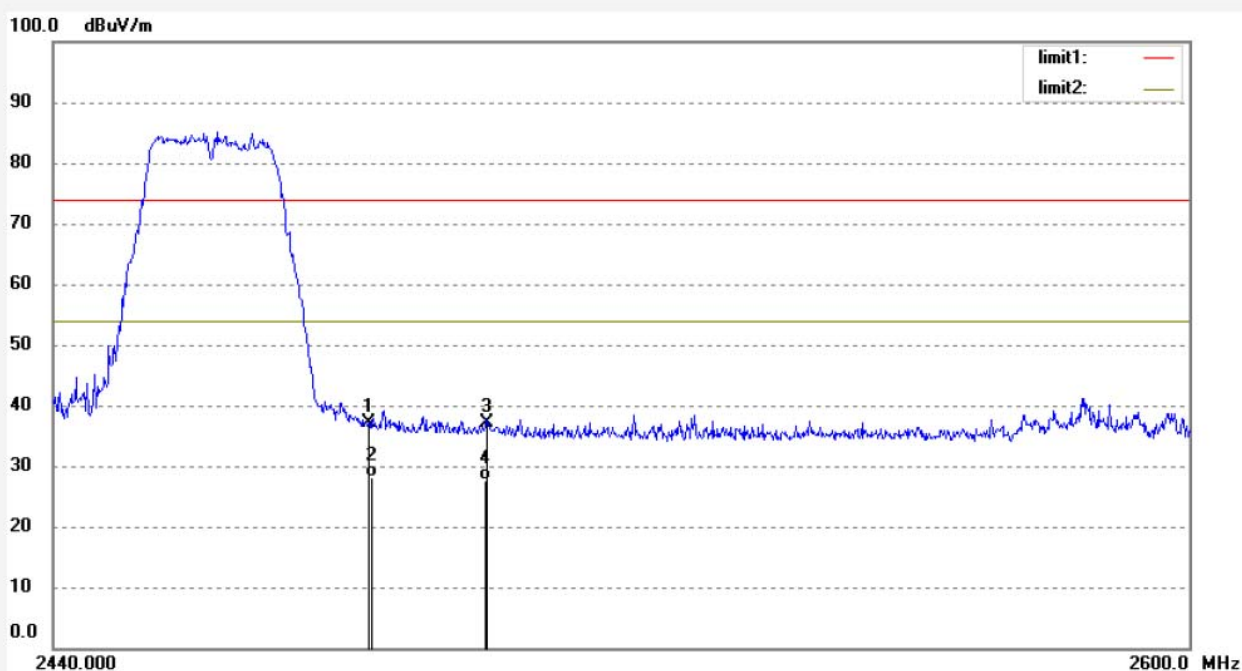
Date: 2016/06/25

Time: 19:33:12

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	44.43	-7.37	37.06	74.00	-36.94	peak			
2	2483.500	35.62	-7.37	28.25	54.00	-25.75	peak			
3	2500.000	44.64	-7.40	37.24	74.00	-36.76	peak			
4	2500.000	35.11	-7.40	27.71	54.00	-26.29	peak			

Note: Average measurement with peak detection at No.2&4



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Job No.: STAR2015 #1401

Standard: FCC PK

Test item: Radiation Test

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

EUT: WiFi module

Mode: TX Channel 3(802.11n)40MHz

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Horizontal

Power Source: DC 12V

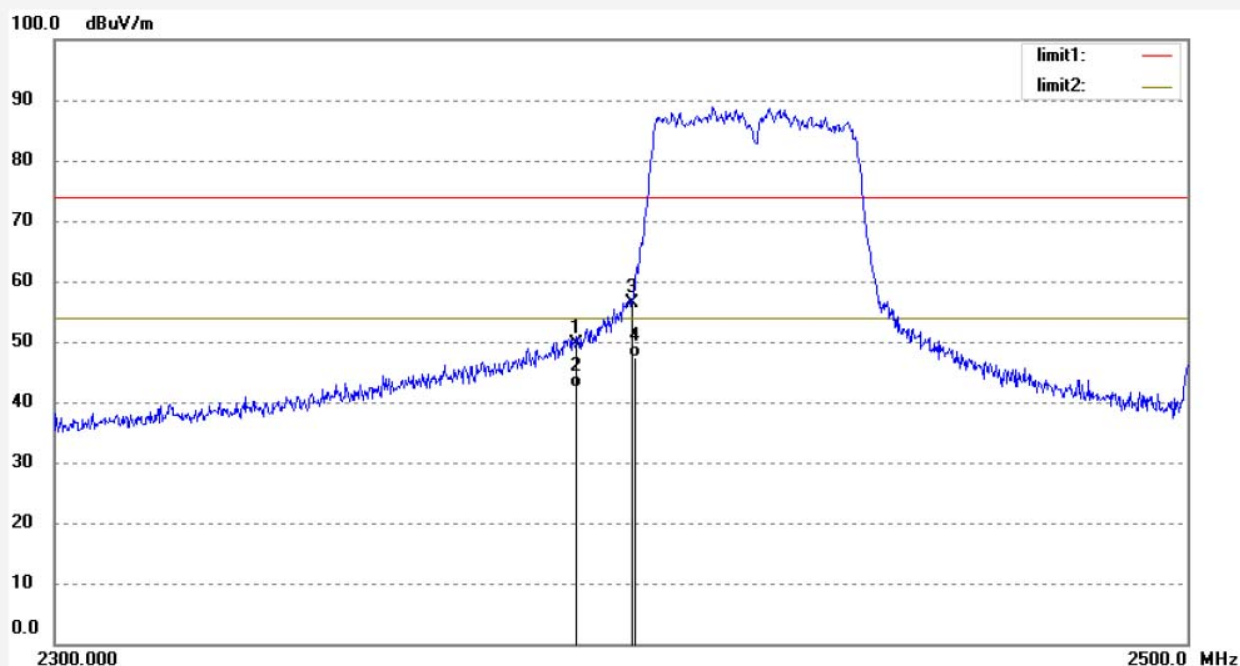
Date: 2016/06/25

Time: 19:35:43

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	57.10	-7.53	49.57	74.00	-24.43	peak			
2	2390.000	50.00	-7.53	42.47	54.00	-11.53	peak			
3	2400.000	63.73	-7.46	56.27	74.00	-17.73	peak			
4	2400.000	54.76	-7.46	47.30	54.00	-6.70	peak			

Note: Average measurement with peak detection at No.2&4

Job No.: STAR2015 #1402

Standard: FCC PK

Test item: Radiation Test

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

EUT: WiFi module

Mode: TX Channel 3(802.11n)40MHz

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Vertical

Power Source: DC 12V

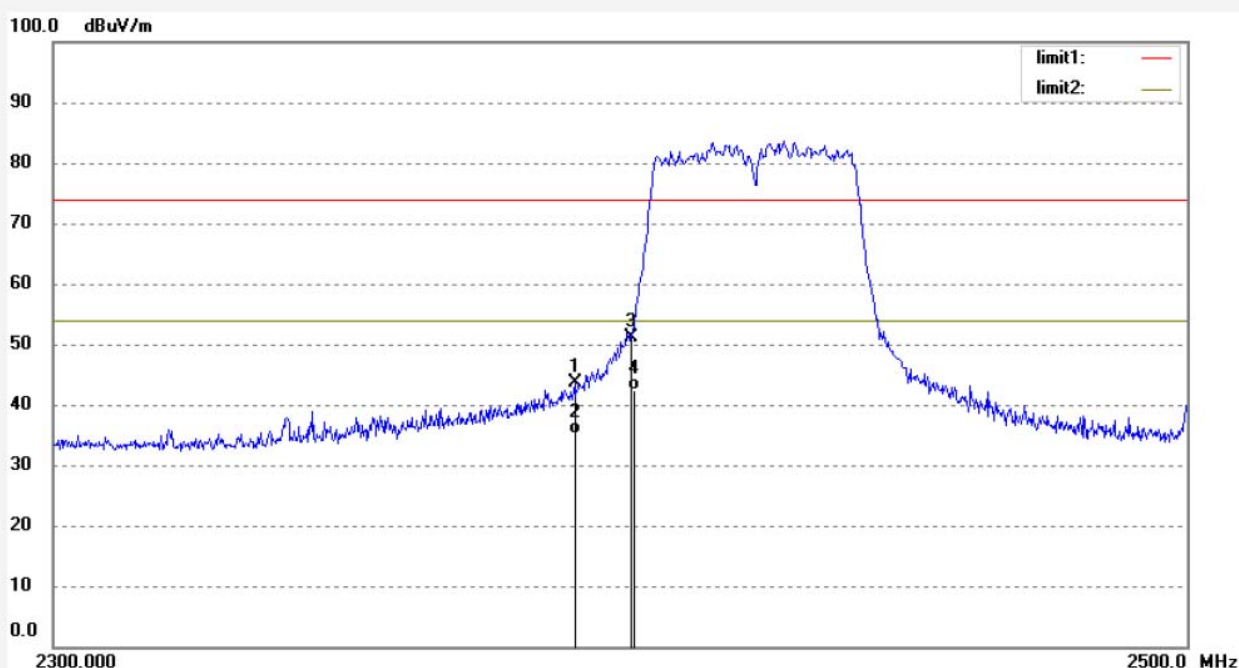
Date: 2016/06/25

Time: 19:36:29

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	51.15	-7.53	43.62	74.00	-30.38	peak			
2	2390.000	42.63	-7.53	35.10	54.00	-18.90	peak			
3	2400.000	58.70	-7.46	51.24	74.00	-22.76	peak			
4	2400.000	49.78	-7.46	42.32	54.00	-11.68	peak			

Note: Average measurement with peak detection at No.2&4



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Job No.: STAR2015 #1404

Standard: FCC PK

Test item: Radiation Test

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

EUT: WiFi module

Mode: TX Channel 9(802.11n)40MHz

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Horizontal

Power Source: DC 12V

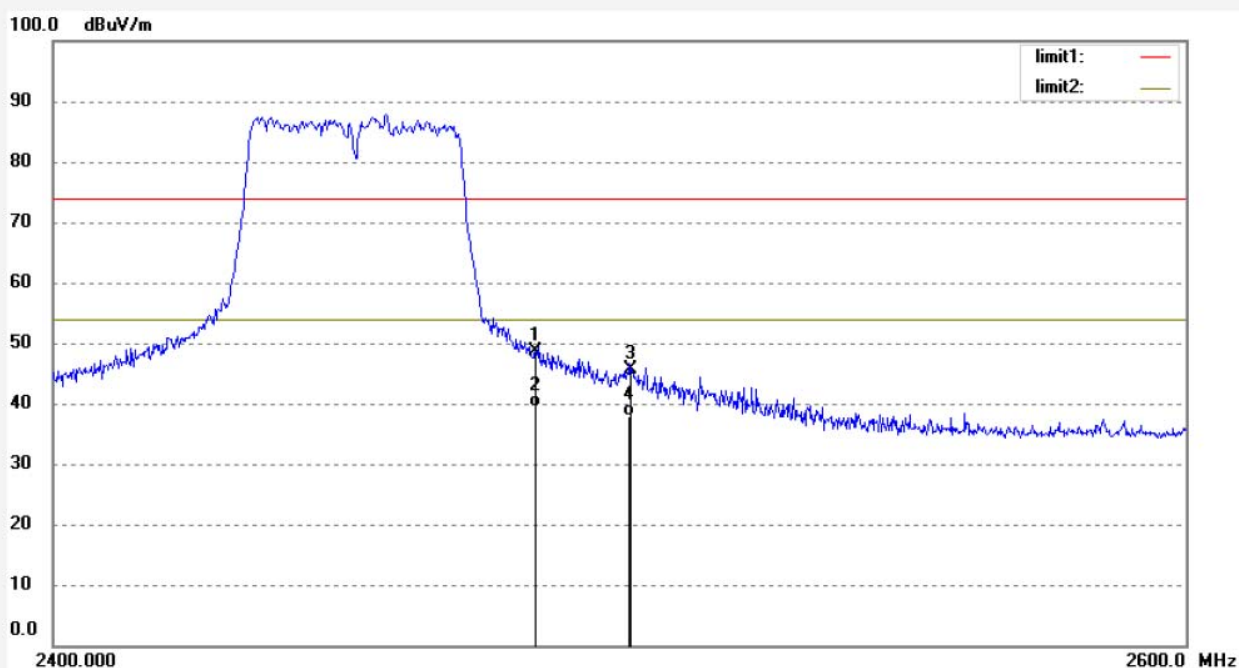
Date: 2016/06/25

Time: 19:38:54

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	55.98	-7.37	48.61	74.00	-25.39	peak			
2	2483.500	46.83	-7.37	39.46	54.00	-14.54	peak			
3	2500.000	53.04	-7.40	45.64	74.00	-28.36	peak			
4	2500.000	45.36	-7.40	37.96	54.00	-16.04	peak			

Note: Average measurement with peak detection at No.2&4



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Job No.: STAR2015 #1403

Standard: FCC PK

Test item: Radiation Test

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

EUT: WiFi module

Mode: TX Channel 9(802.11n)40MHz

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Vertical

Power Source: DC 12V

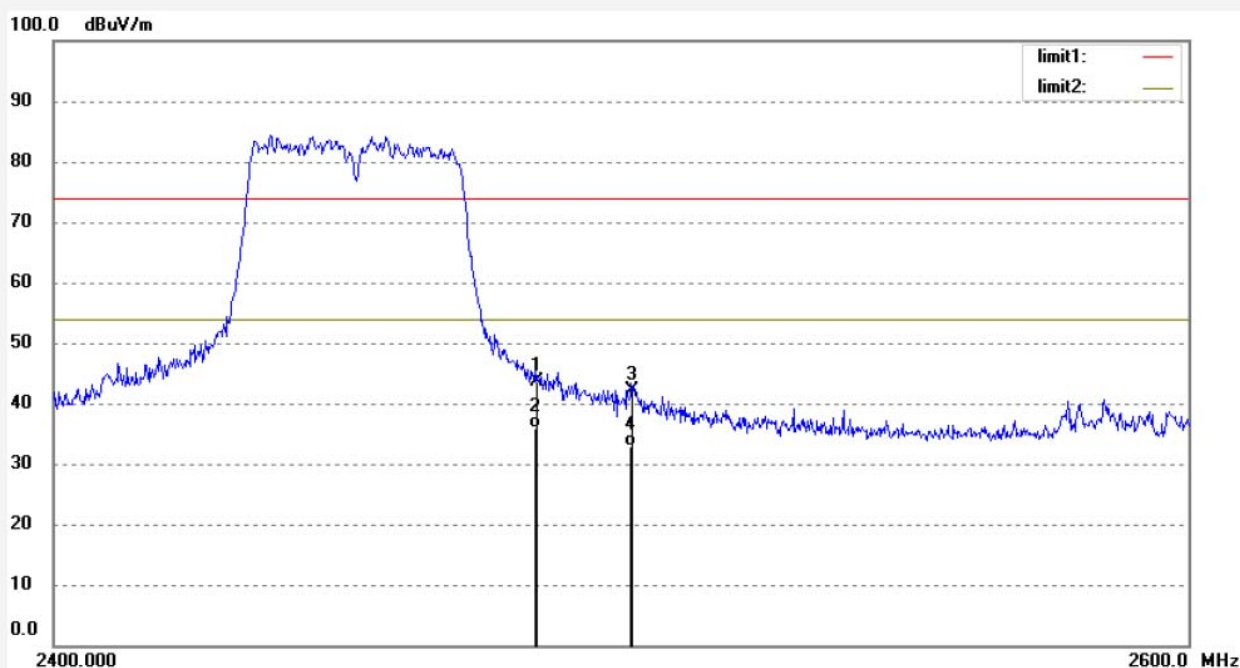
Date: 2016/06/25

Time: 19:37:53

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	51.05	-7.37	43.68	74.00	-30.32	peak			
2	2483.500	43.17	-7.37	35.80	54.00	-18.20	peak			
3	2500.000	49.63	-7.40	42.23	74.00	-31.77	peak			
4	2500.000	40.35	-7.40	32.95	54.00	-21.05	peak			

Note: Average measurement with peak detection at No.2&4

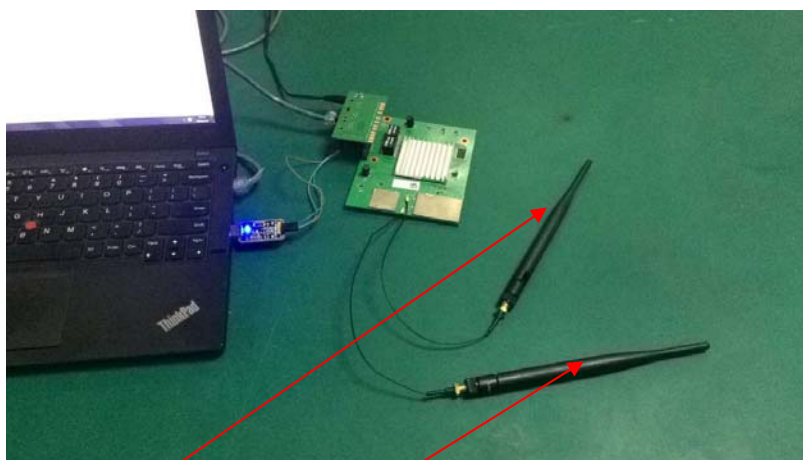
11.ANTENNA REQUIREMENT

11.1.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.

11.2.Antenna Construction

The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b); The Antenna gain of EUT is 2dBi. Therefore, the equipment complies with the antenna requirement.



Antenna 1

Antenna 2