



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ding11 #343

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Smart Home Storage

Mode: TX 2437MHz(802.11n20)

Model: SSM-F200

Manufacturer: MAYA

Polarization: Horizontal

Power Source: DC 5V

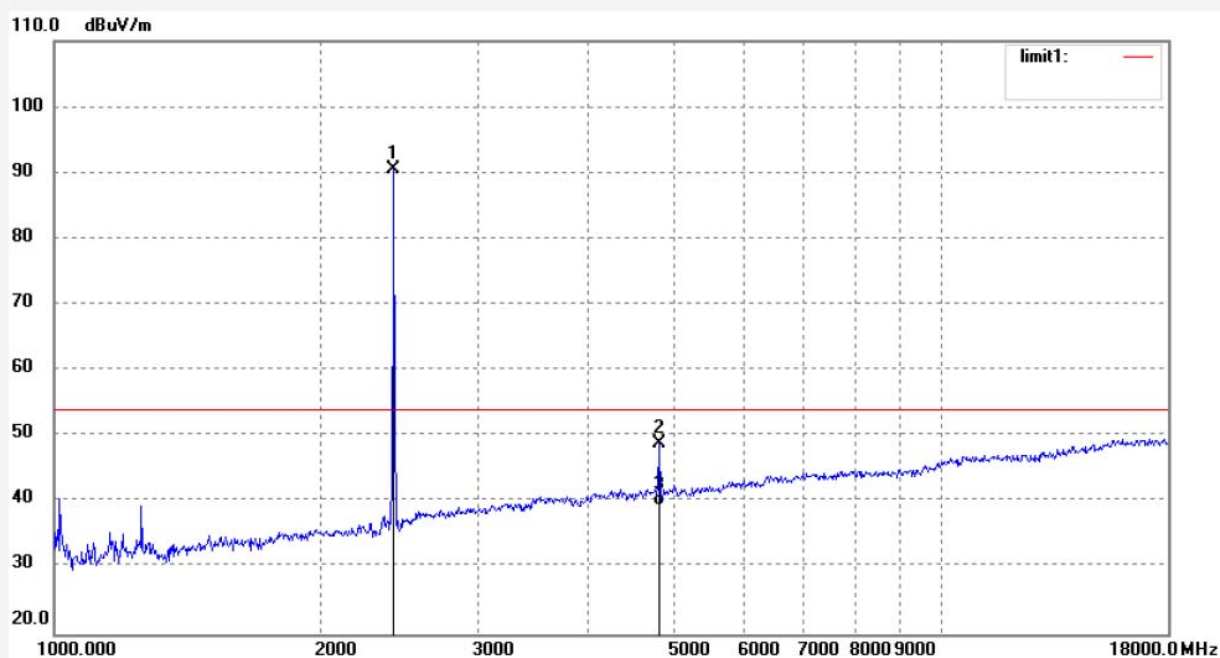
Date: 2016/11/29

Time: 1:17:29

Engineer Signature: DING

Distance: 3m

Note: Report NO:ATE20162354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.621	96.21	-5.72	90.49			peak			
2	4875.324	45.34	3.67	49.01	74.00	-24.99	peak			
3	4875.324	35.72	3.67	39.39	54.00	-14.61	AVG			



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

Job No.: ding11 #344

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Smart Home Storage

Mode: TX 2462MHz(802.11n20)

Model: SSM-F200

Manufacturer: MAYA

Polarization: Horizontal

Power Source: DC 5V

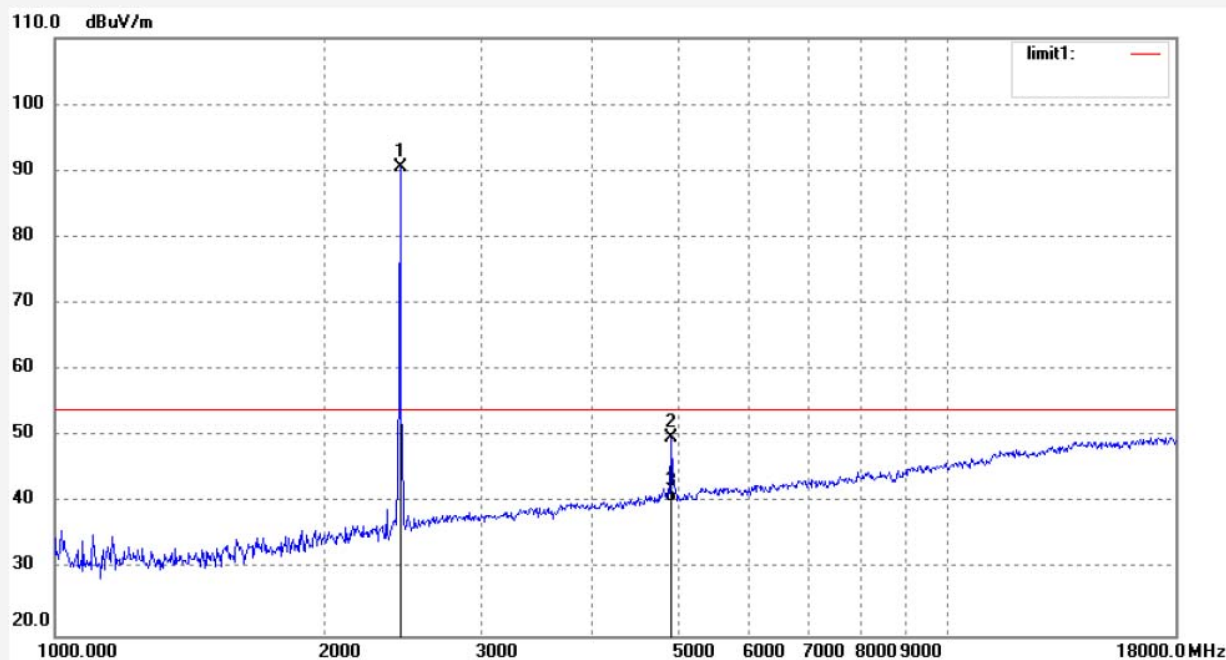
Date: 2016/11/29

Time: 1:20:29

Engineer Signature: DING

Distance: 3m

Note: Report NO:ATE20162354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.807	96.09	-5.61	90.48			peak			
2	4925.660	45.36	4.46	49.82	74.00	-24.18	peak			
3	4925.660	35.77	4.46	40.23	54.00	-13.77	AVG			



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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ding11 #345

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Smart Home Storage

Mode: TX 2462MHz(802.11n20)

Model: SSM-F200

Manufacturer: MAYA

Polarization: Vertical

Power Source: DC 5V

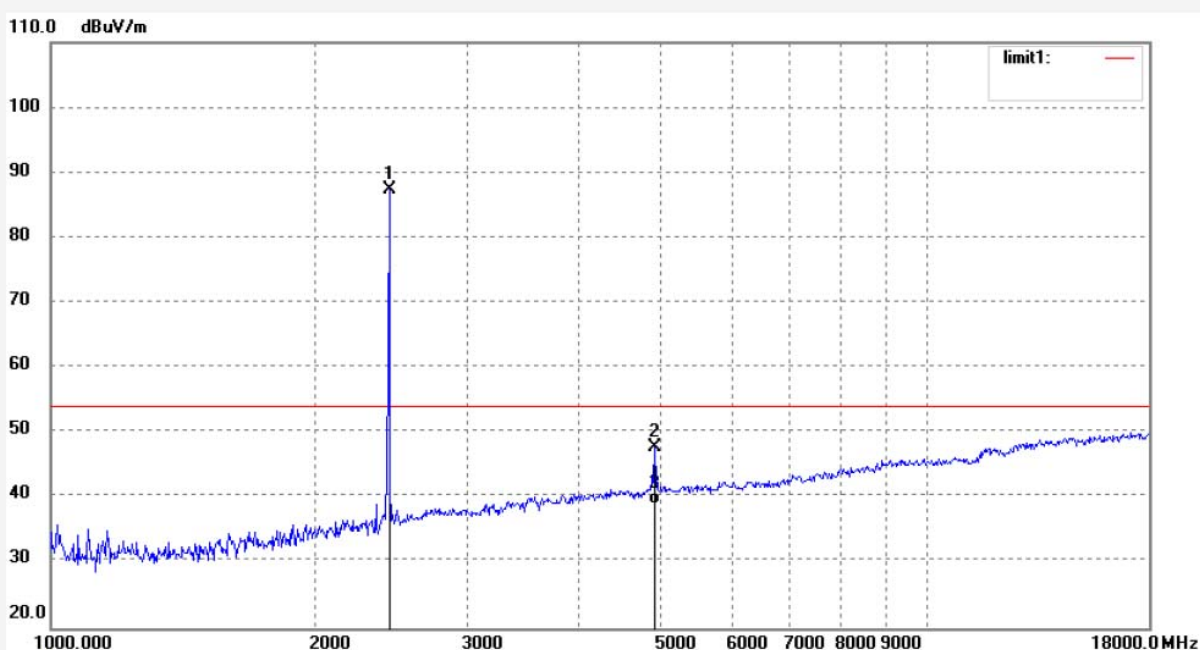
Date: 2016/11/29

Time: 1:23:18

Engineer Signature: DING

Distance: 3m

Note: Report NO:ATE20162354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.807	93.09	-5.61	87.48			peak			
2	4925.660	43.36	4.46	47.82	74.00	-26.18	peak			
3	4925.660	34.59	4.46	39.05	54.00	-14.95	AVG			



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Site: 1# Chamber

Tel:+86-0755-26503290

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Job No.: ding11 #346

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Smart Home Storage

Mode: TX 2452MHz(802.11n40)

Model: SSM-F200

Manufacturer: MAYA

Polarization: Horizontal

Power Source: DC 5V

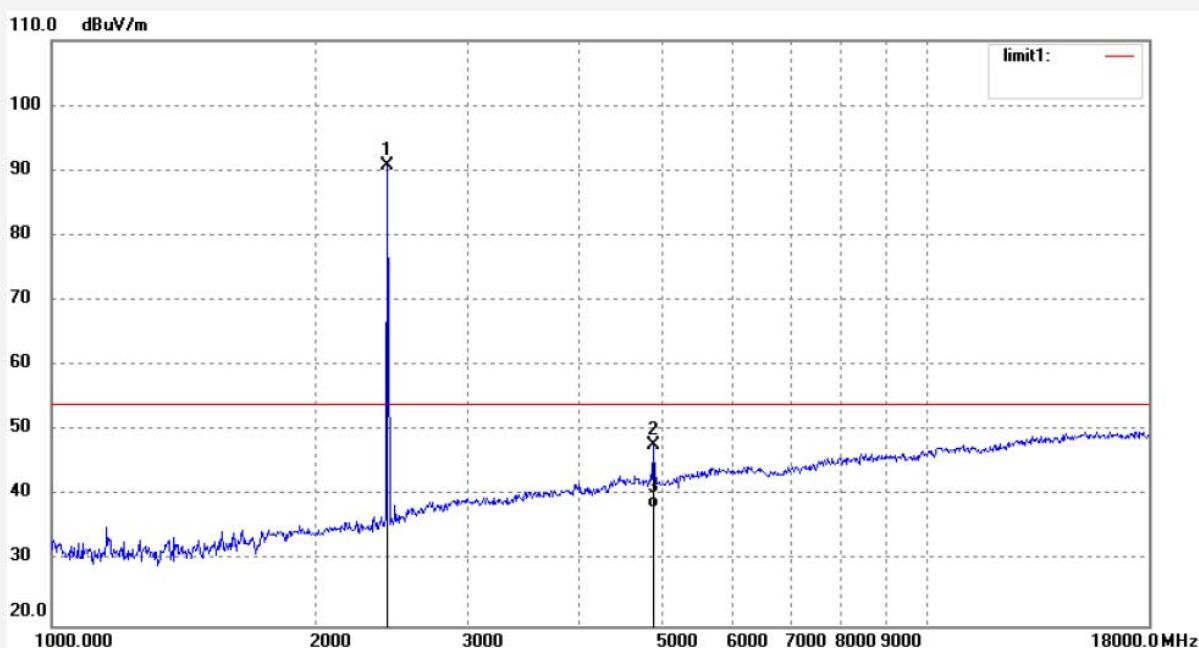
Date: 2016/11/29

Time: 1:25:31

Engineer Signature: DING

Distance: 3m

Note: Report NO:ATE20162354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2452.662	96.44	-5.69	90.75			peak			
2	4905.917	43.42	4.32	47.74	74.00	-26.26	peak			
3	4905.917	33.81	4.32	38.13	54.00	-15.87	AVG			



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Site: 1# Chamber

Tel:+86-0755-26503290

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Job No.: ding11 #347

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Smart Home Storage

Mode: TX 2452MHz(802.11n40)

Model: SSM-F200

Manufacturer: MAYA

Polarization: Vertical

Power Source: DC 5V

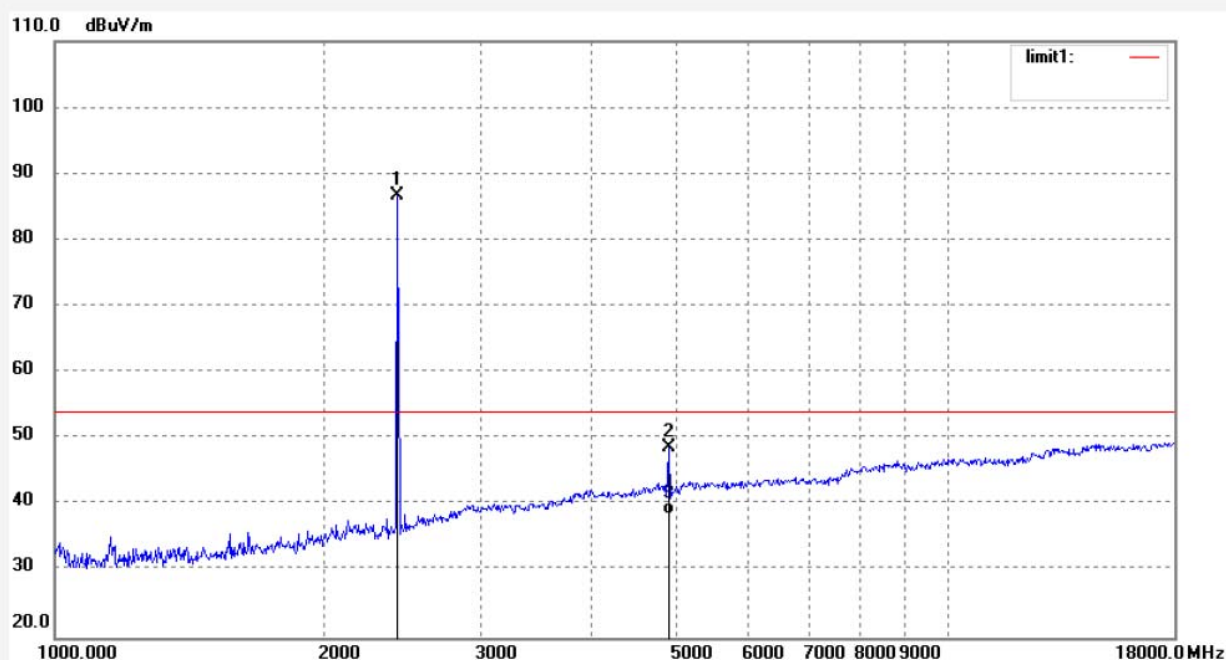
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Time: 1:28:12

Engineer Signature: DING

Distance: 3m

Note: Report NO:ATE20162354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2452.662	92.44	-5.69	86.75			peak			
2	4905.917	44.42	4.32	48.74	74.00	-25.26	peak			
3	4905.917	34.19	4.32	38.51	54.00	-15.49	AVG			



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Job No.: ding11 #348

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Smart Home Storage

Mode: TX 2437MHz(802.11n40)

Model: SSM-F200

Manufacturer: MAYA

Polarization: Vertical

Power Source: DC 5V

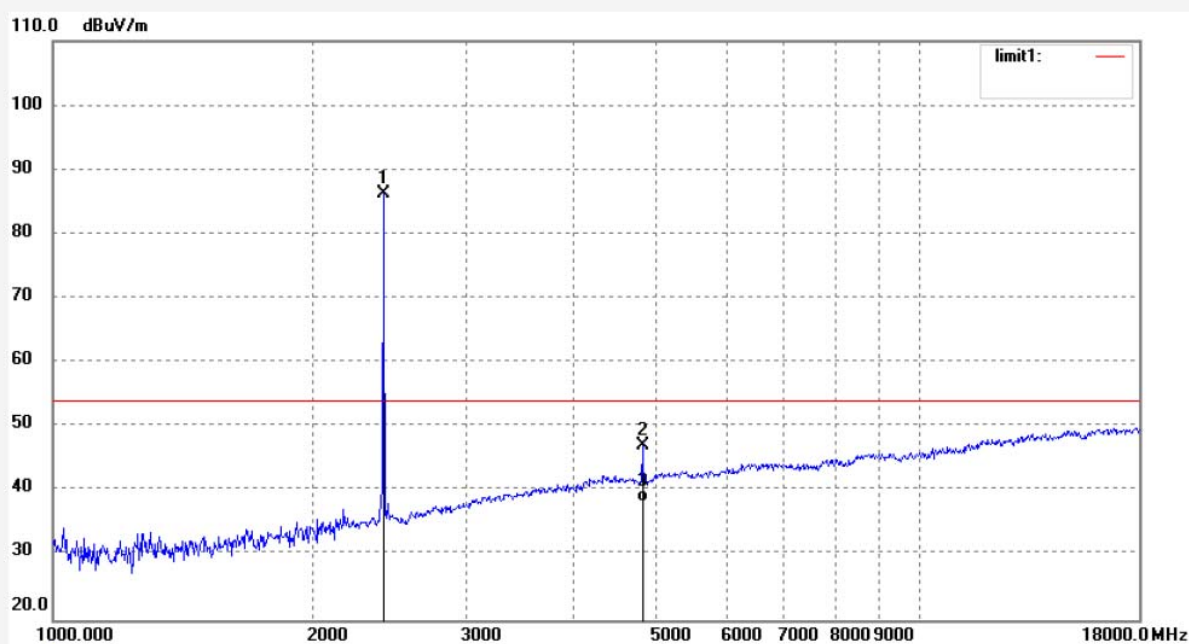
Date: 2016/11/29

Time: 1:30:32

Engineer Signature: DING

Distance: 3m

Note: Report NO:ATE20162354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.600	92.11	-5.76	86.35			peak			
2	4875.328	43.66	3.53	47.19	74.00	-26.81	peak			
3	4875.328	34.87	3.53	38.40	54.00	-15.60	AVG			



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Job No.: ding11 #349

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Smart Home Storage

Mode: TX 2437MHz(802.11n40)

Model: SSM-F200

Manufacturer: MAYA

Polarization: Horizontal

Power Source: DC 5V

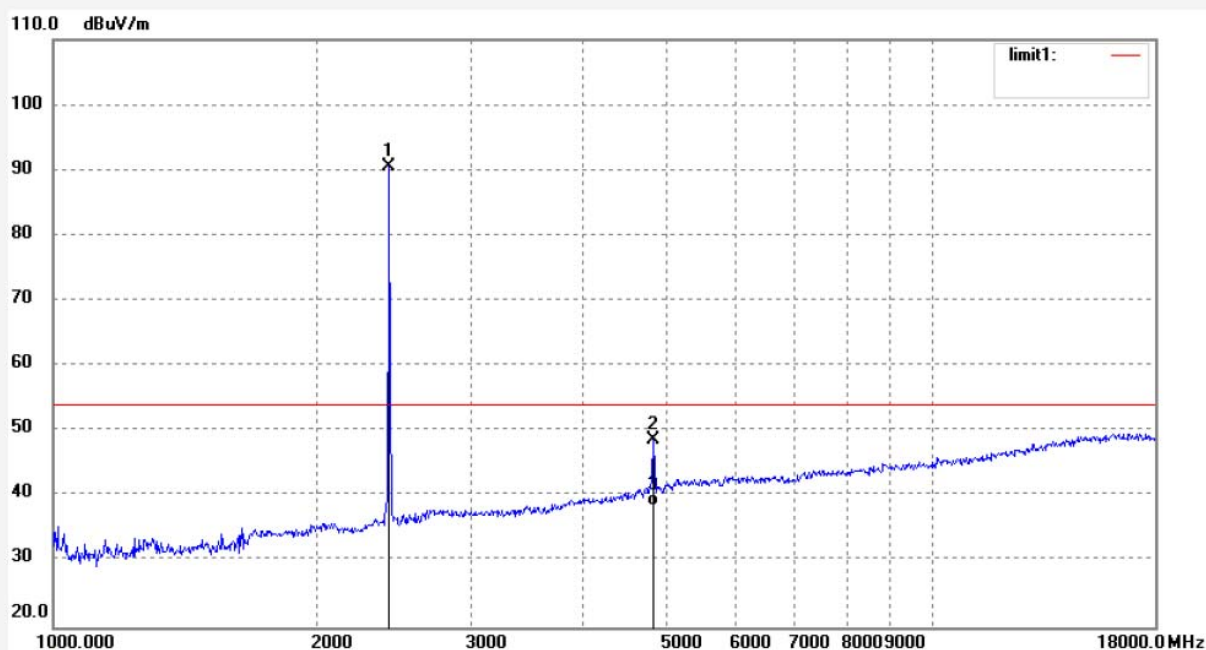
Date: 2016/11/29

Time: 1:32:59

Engineer Signature: DING

Distance: 3m

Note: Report NO:ATE20162354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.621	96.24	-5.72	90.52			peak			
2	4875.361	44.96	3.80	48.76	74.00	-25.24	peak			
3	4875.361	34.66	3.80	38.46	54.00	-15.54	AVG			



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Job No.: ding11 #350

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Smart Home Storage

Mode: TX 2422MHz(802.11n40)

Model: SSM-F200

Manufacturer: MAYA

Polarization: Horizontal

Power Source: DC 5V

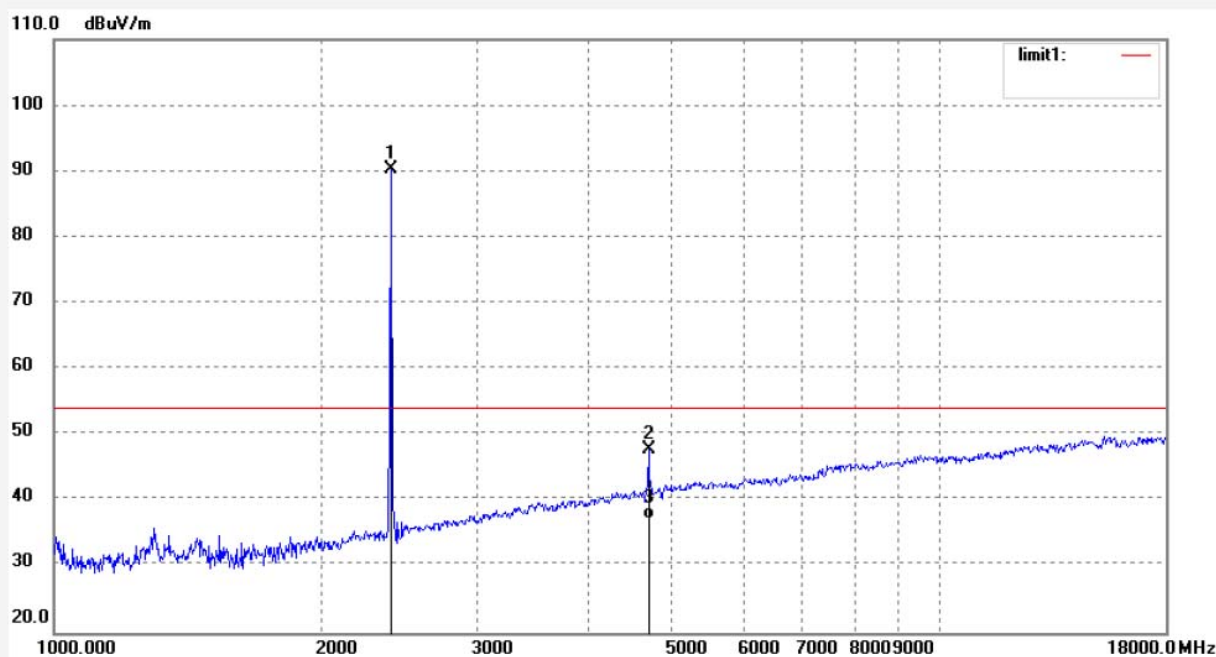
Date: 2016/11/29

Time: 1:35:08

Engineer Signature: DING

Distance: 3m

Note: Report NO:ATE20162354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2422.599	96.14	-5.80	90.34			peak			
2	4845.816	44.74	2.95	47.69	74.00	-26.31	peak			
3	4845.816	34.16	2.95	37.11	54.00	-16.89	AVG			



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Job No.: ding11 #351

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Smart Home Storage

Mode: TX 2422MHz(802.11n40)

Model: SSM-F200

Manufacturer: MAYA

Polarization: Vertical

Power Source: DC 5V

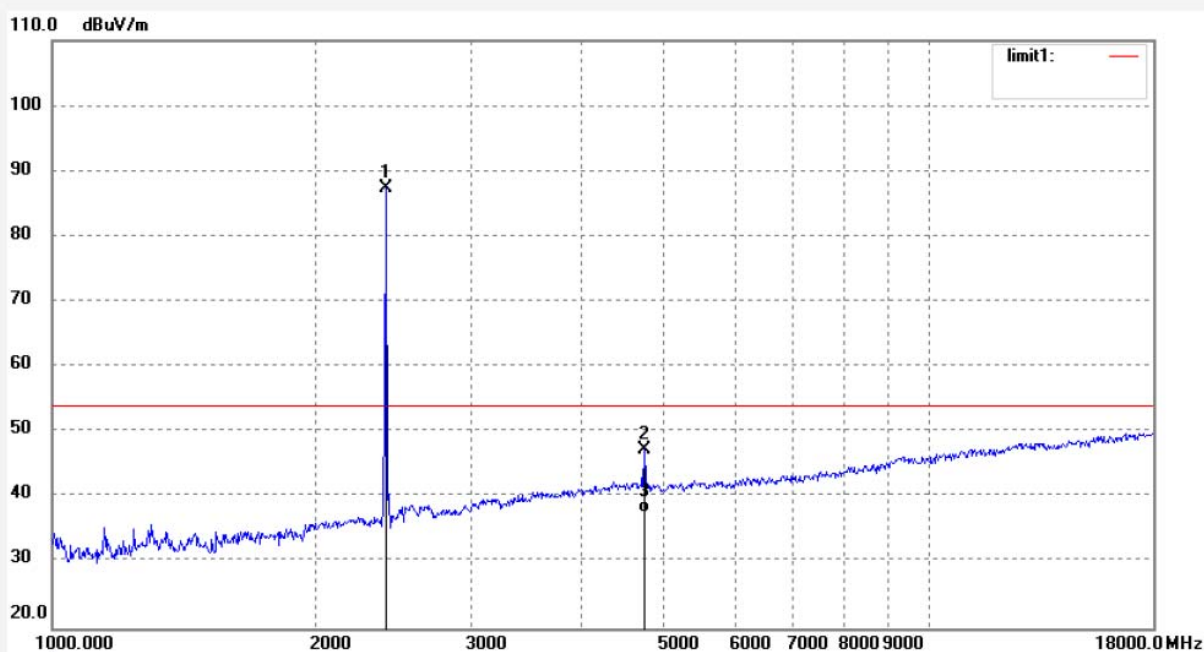
Date: 2016/11/29

Time: 1:38:35

Engineer Signature: DING

Distance: 3m

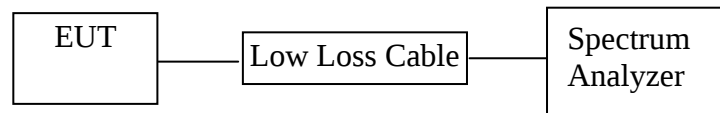
Note: Report NO:ATE20162354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2422.599	93.14	-5.80	87.34			peak			
2	4845.957	44.18	3.15	47.33	74.00	-26.67	peak			
3	4845.957	34.58	3.15	37.73	54.00	-16.27	AVG			

11.BAND EDGE 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 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.

11.4.Operating Condition of EUT

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

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

11.5.Test Procedure

Conducted Band Edge:

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.

Radiate Band Edge:

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

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

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

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

11.5.7.RBW=1MHz, VBW=1MHz

11.5.8.The band edges was measured and recorded.

11.6.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

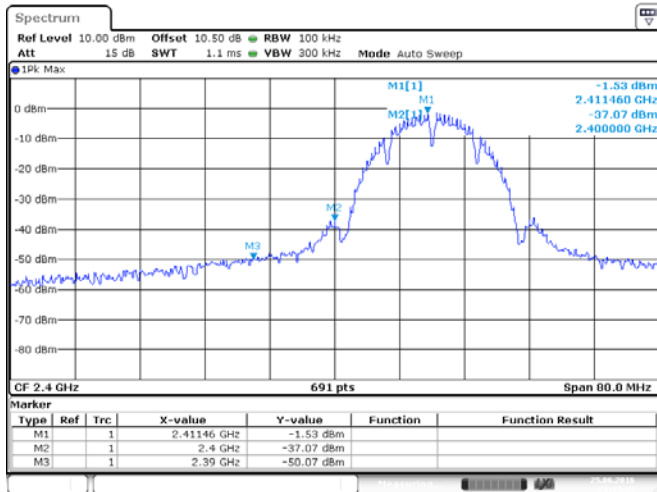
The test was performed with 802.11n (20MHz)

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

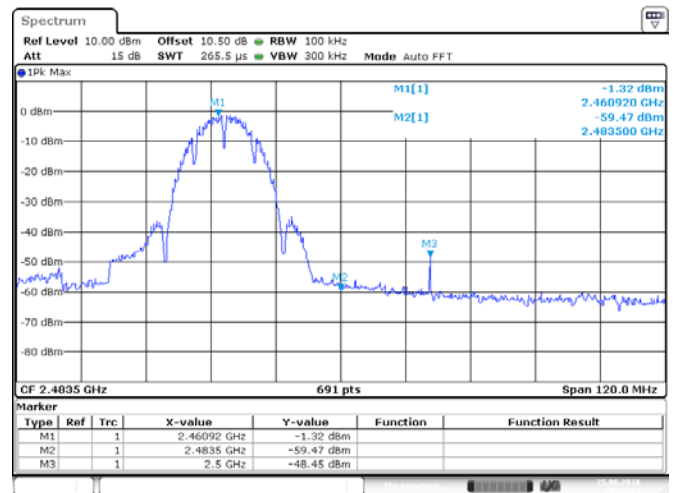
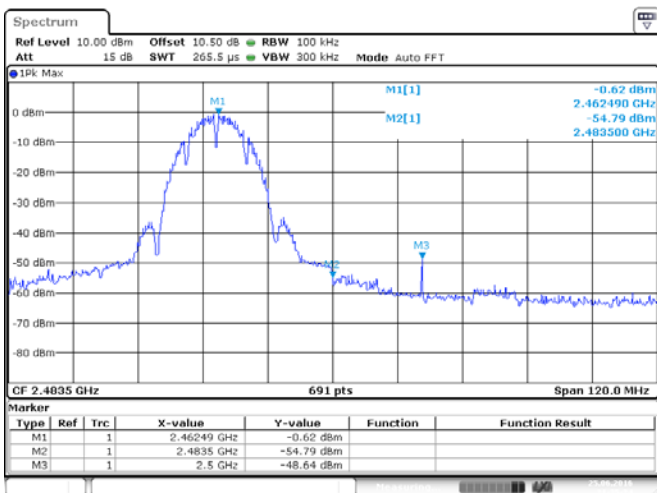
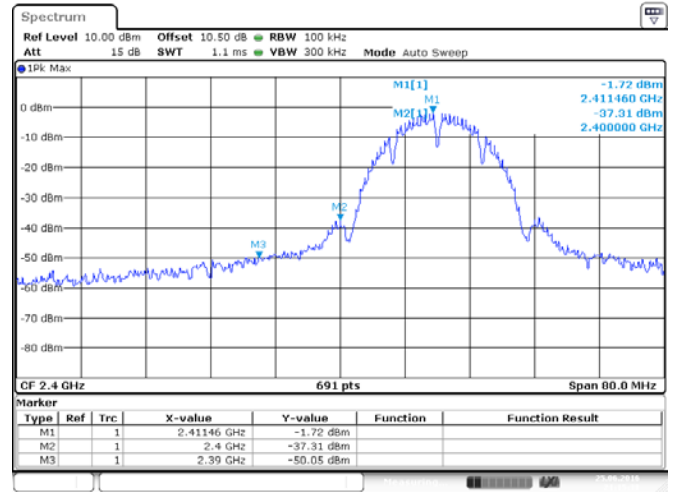
The test was performed with 802.11n (40MHz)

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

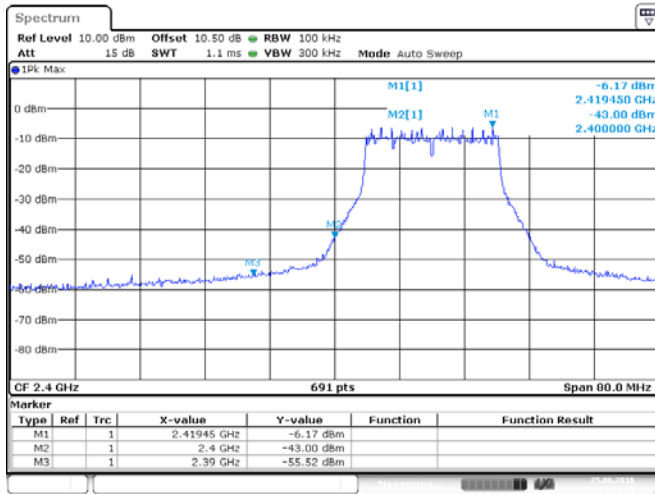
ANT 1(802.11b)



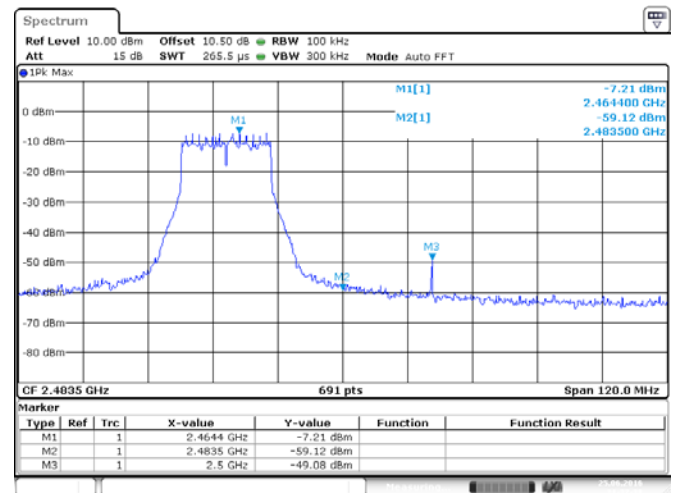
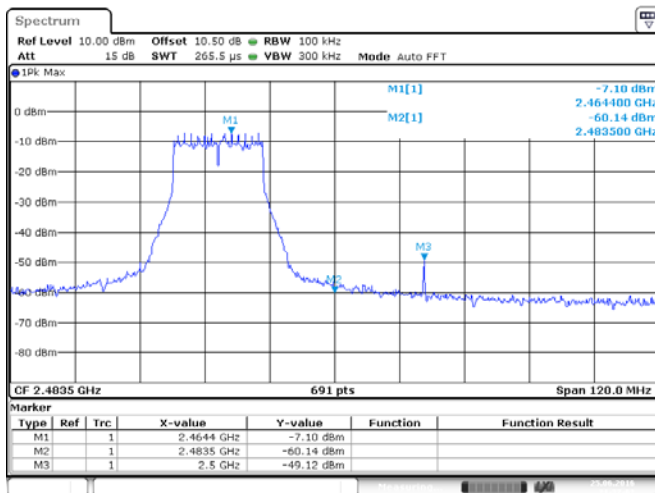
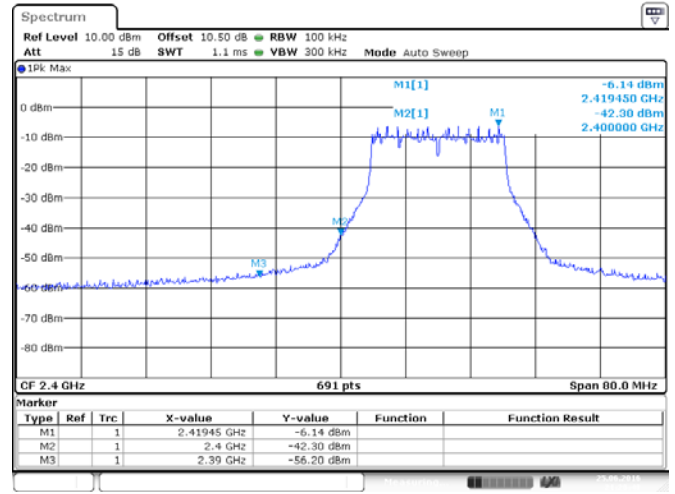
ANT 2(802.11b)



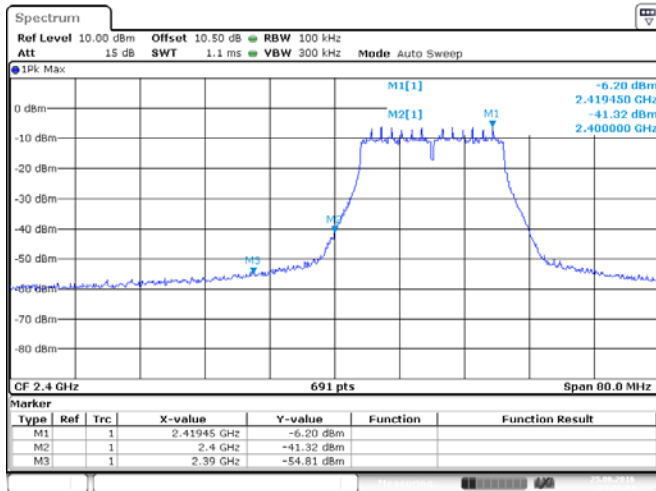
ANT 1(802.11g)



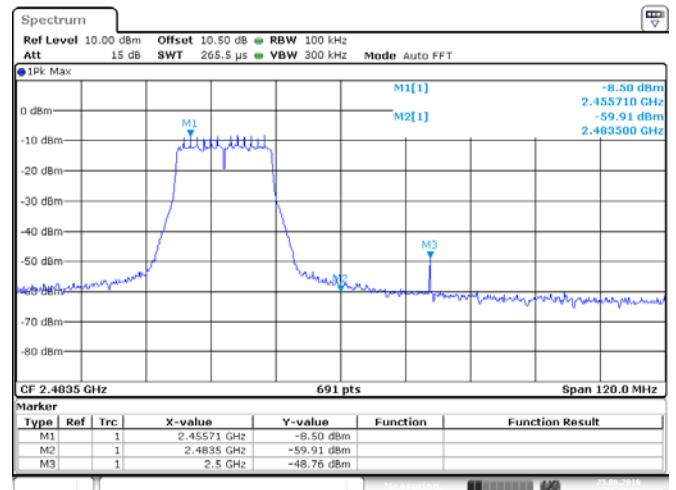
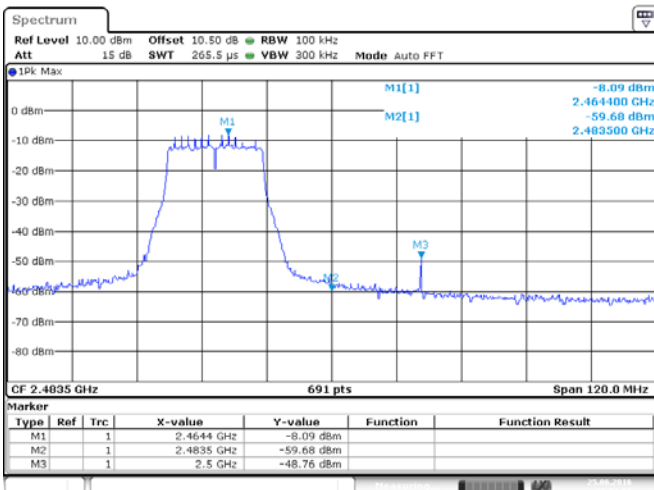
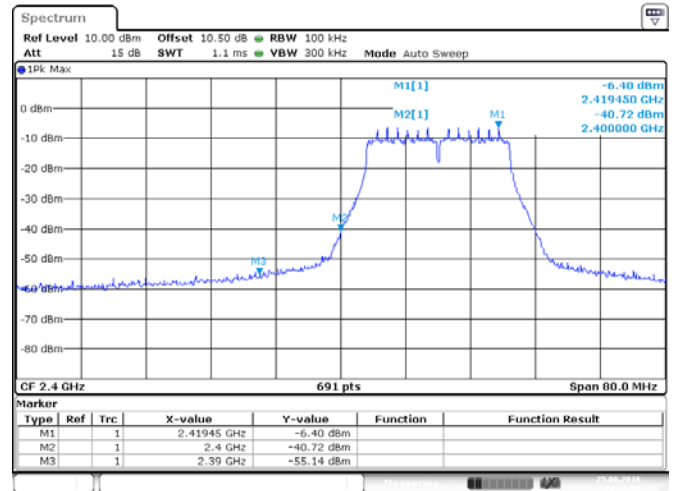
ANT 2(802.11g)



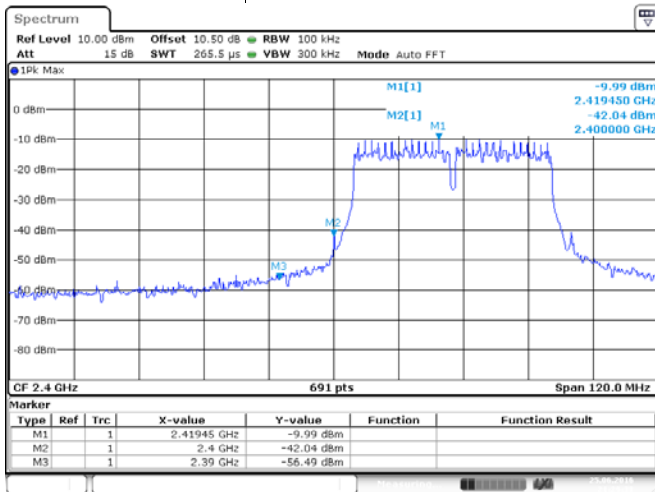
ANT 1(802.11n20)



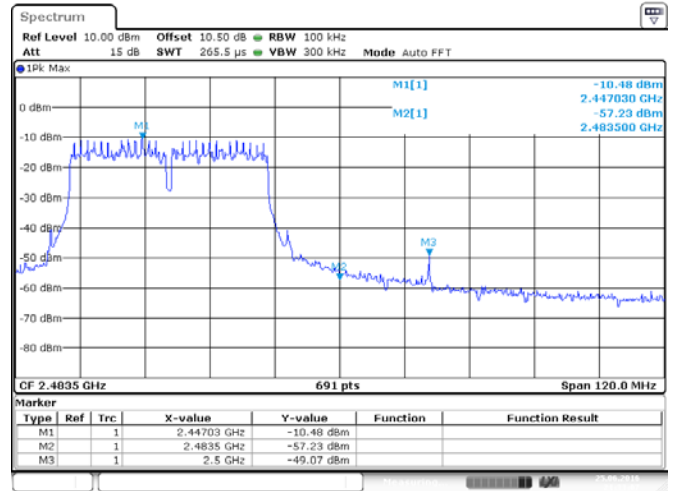
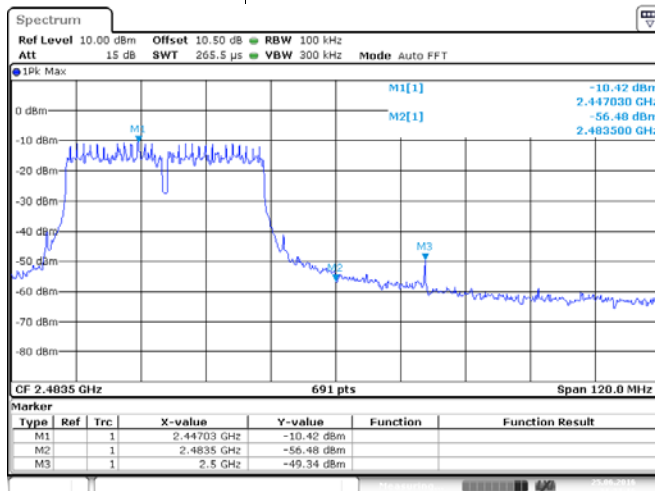
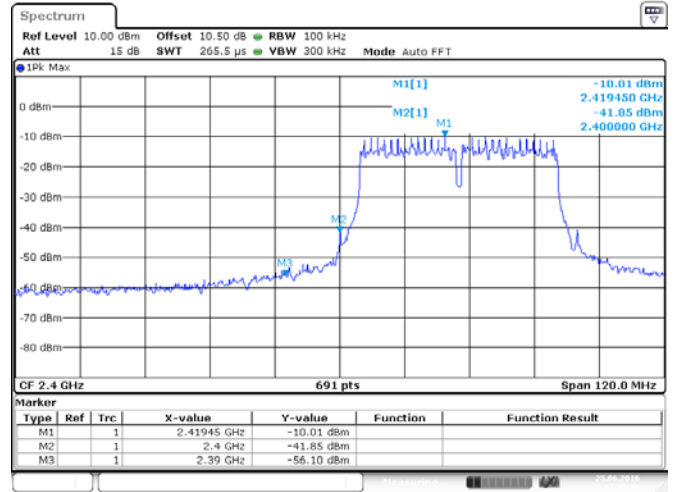
ANT 2(802.11 n20)



ANT 1(802.11n40)



ANT 2(802.11n40)



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 #745

Standard: FCC PK

Test item: Radiation Test

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

EUT: Smart Home Storage

Mode: TX 2412MHz(802.11b)

Model: SSM-F200

Manufacturer: MAYA

Polarization: Horizontal

Power Source: DC 5V

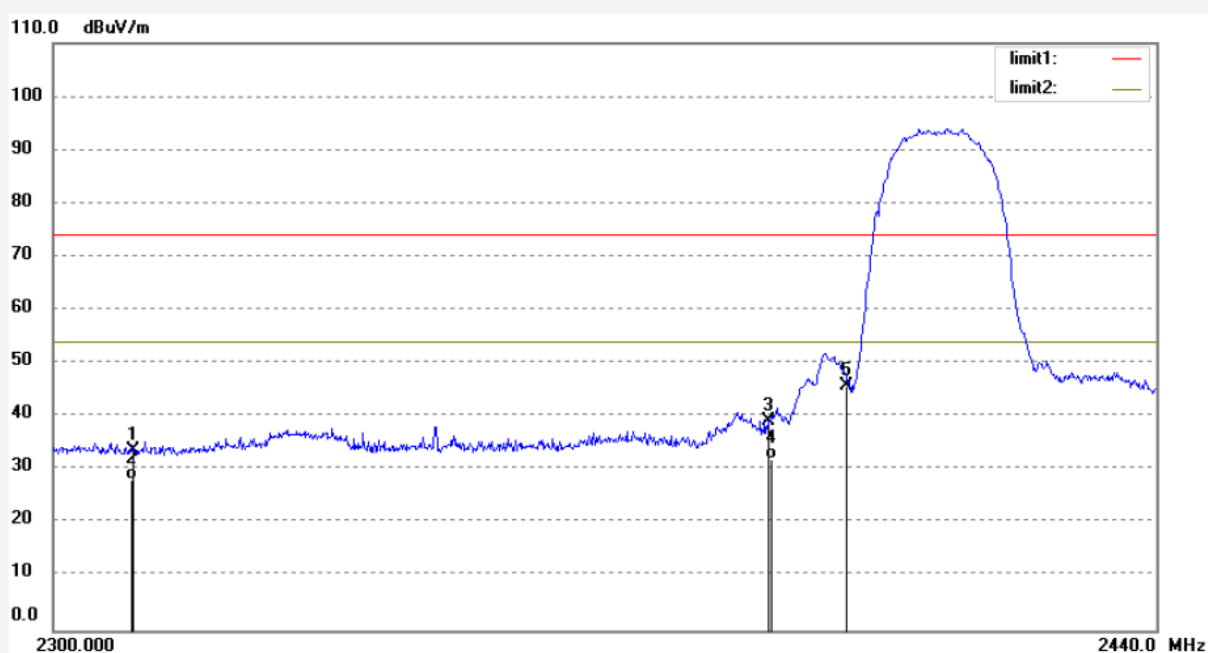
Date: 16/11/19/

Time: 14/42/43

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20162354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	41.52	-7.81	33.71	74.00	-40.29	peak			
2	2310.000	36.00	-7.81	28.19	54.00	-25.81	AVG			
3	2390.000	46.79	-7.53	39.26	74.00	-34.74	peak			
4	2390.000	39.67	-7.53	32.14	54.00	-21.86	AVG			
5	2400.000	53.38	-7.46	45.92	74.00	-28.08	peak			

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



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Site: 2# Chamber

Tel:+86-0755-26503290

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Job No.: star2015 #746

Standard: FCC PK

Test item: Radiation Test

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

EUT: Smart Home Storage

Mode: TX 2412MHz(802.11b)

Model: SSM-F200

Manufacturer: MAYA

Polarization: Vertical

Power Source: DC 5V

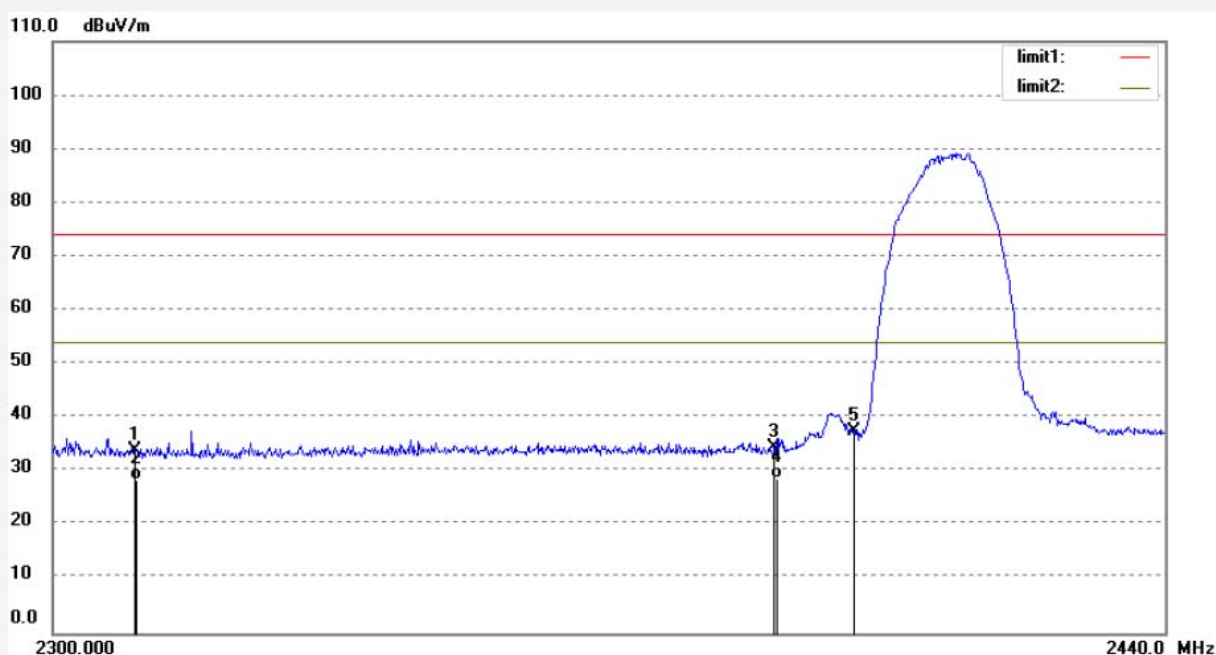
Date: 16/11/19/

Time: 14/47/36

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20162354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	41.77	-7.81	33.96	74.00	-40.04	peak			
2	2310.000	36.15	-7.81	28.34	54.00	-25.66	AVG			
3	2390.000	42.00	-7.53	34.47	74.00	-39.53	peak			
4	2390.000	36.17	-7.53	28.64	54.00	-25.36	AVG			
5	2400.000	45.11	-7.46	37.65	74.00	-36.35	peak			

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



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Fax:+86-0755-26503396

Job No.: star2015 #747

Standard: FCC PK

Test item: Radiation Test

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

EUT: Smart Home Storage

Mode: TX 2462MHz(802.11b)

Model: SSM-F200

Manufacturer: MAYA

Polarization: Vertical

Power Source: DC 5V

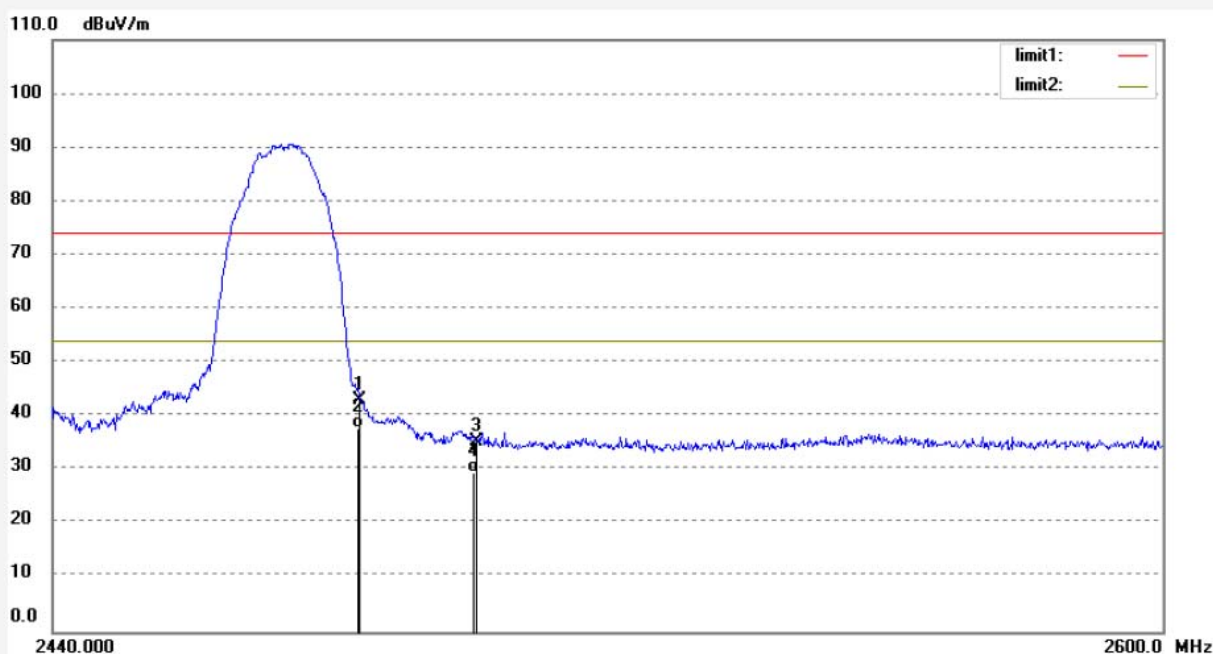
Date: 16/11/19/

Time: 14/51/08

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20162354



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	50.50	-7.37	43.13	74.00	-30.87	peak			
2	2483.500	45.10	-7.37	37.73	54.00	-16.27	AVG			
3	2500.000	42.69	-7.40	35.29	74.00	-38.71	peak			
4	2500.000	37.00	-7.40	29.60	54.00	-24.40	AVG			

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



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Site: 2# Chamber

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Fax:+86-0755-26503396

Job No.: star2015 #748

Standard: FCC PK

Test item: Radiation Test

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

EUT: Smart Home Storage

Mode: TX 2462MHz(802.11b)

Model: SSM-F200

Manufacturer: MAYA

Polarization: Horizontal

Power Source: DC 5V

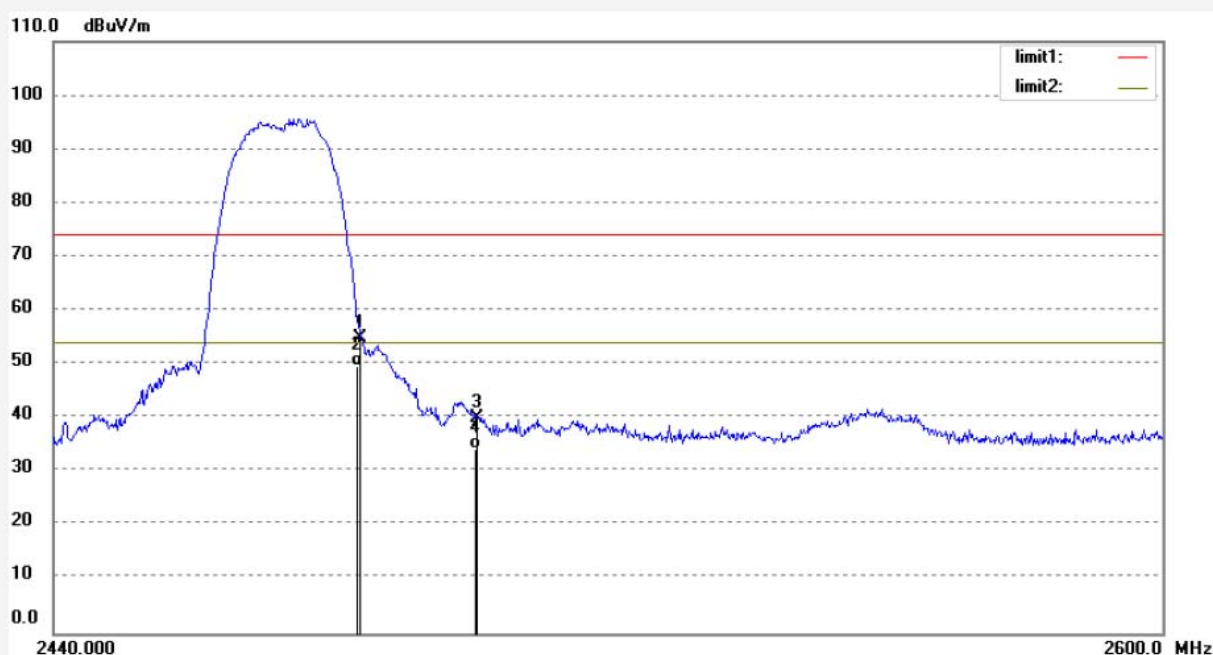
Date: 16/11/19/

Time: 14/55/03

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20162354



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	62.29	-7.37	54.92	74.00	-19.08	peak			
2	2483.500	57.00	-7.37	49.63	54.00	-4.37	AVG			
3	2500.000	47.33	-7.40	39.93	74.00	-34.07	peak			
4	2500.000	41.69	-7.40	34.29	54.00	-19.71	AVG			

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



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Site: 2# Chamber

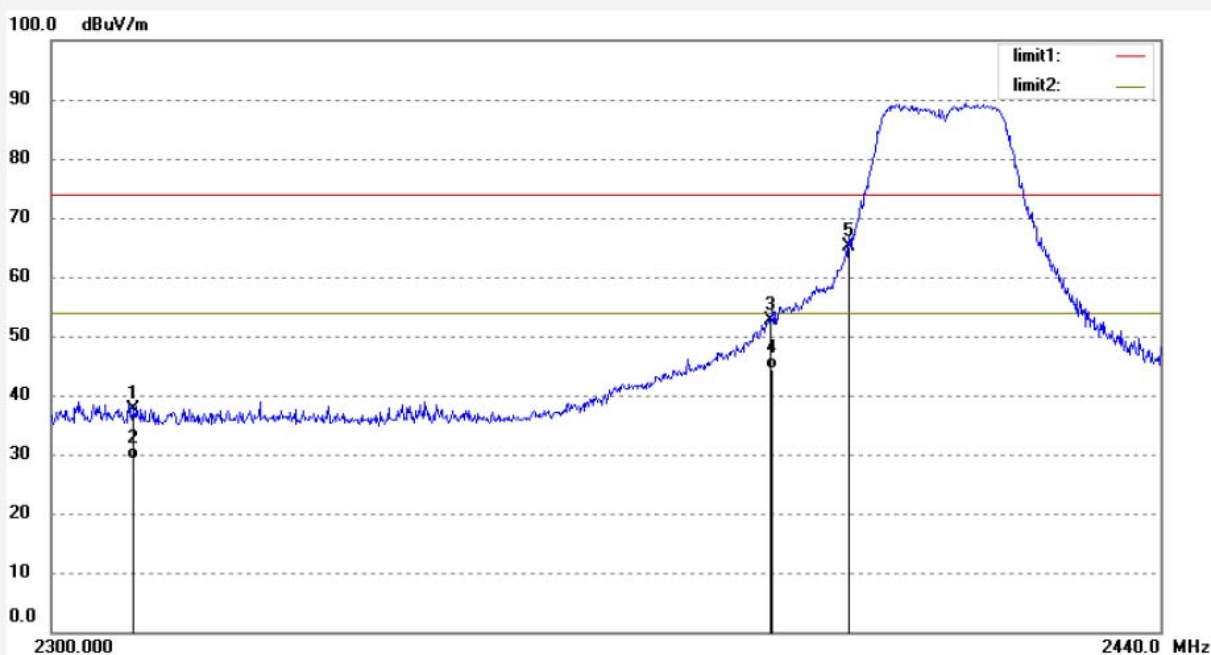
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2015 #728
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Smart Home Storage
Mode: TX 2412MHz (802.11g)
Model: SSM-F200
Manufacturer: SSM-F200

Polarization: Vertical
Power Source: DC 5V
Date: 16/11/19/
Time: 13/42/35
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20162354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	45.38	-7.81	37.57	74.00	-36.43	peak			
2	2310.000	36.97	-7.81	29.16	54.00	-24.84	AVG			
3	2390.000	60.12	-7.53	52.59	74.00	-21.41	peak			
4	2390.000	51.90	-7.53	44.37	54.00	-9.63	AVG			
5	2400.000	72.62	-7.46	65.16	74.00	-8.84	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 #729

Standard: FCC PK

Test item: Radiation Test

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

EUT: Smart Home Storage

Mode: TX 2412MHz (802.11g)

Model: SSM-F200

Manufacturer: MAYA

Polarization: Horizontal

Power Source: DC 5V

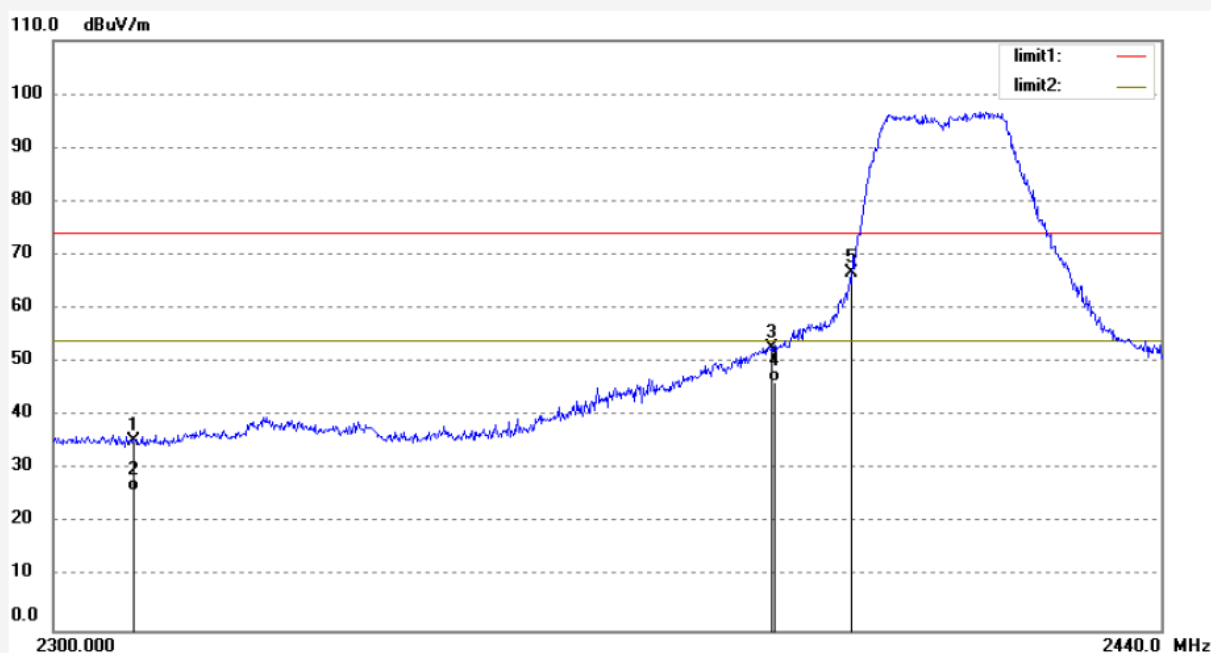
Date: 16/11/19/

Time: 13/45/57

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20162354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	43.05	-7.81	35.24	74.00	-38.76	peak			
2	2310.000	33.69	-7.81	25.88	54.00	-28.12	AVG			
3	2390.000	60.08	-7.53	52.55	74.00	-21.45	peak			
4	2390.000	53.97	-7.53	46.44	54.00	-7.56	AVG			
5	2400.000	74.23	-7.46	66.77	74.00	-7.23	peak			

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



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Site: 2# Chamber

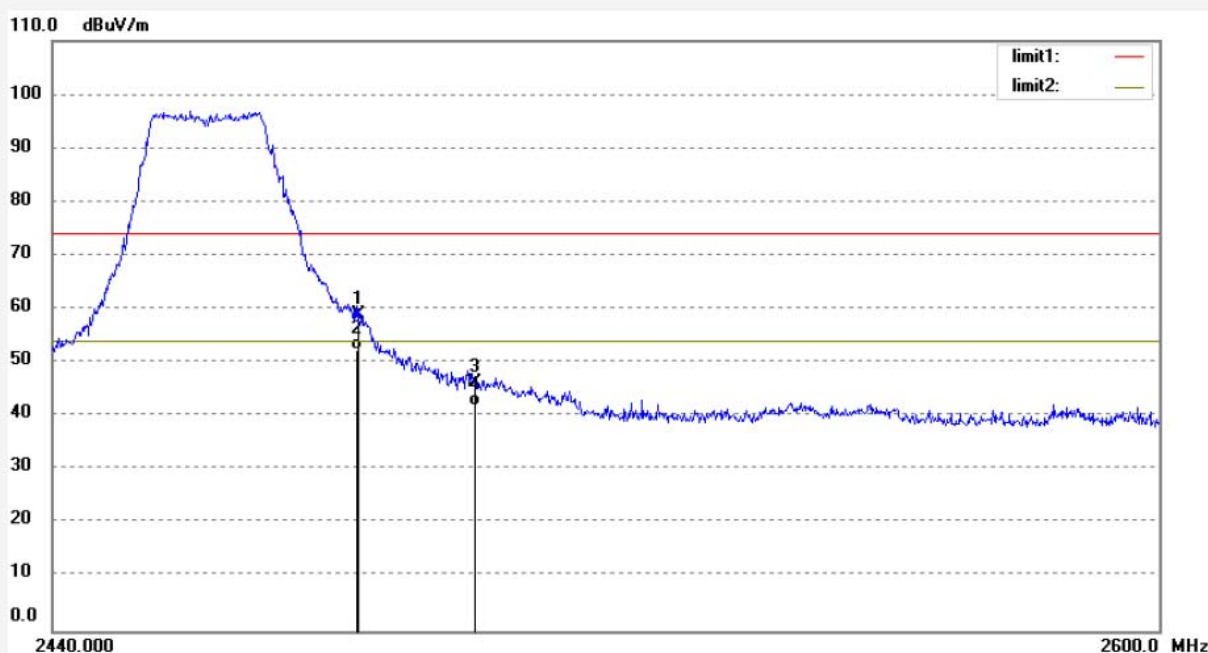
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2015 #733
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Smart Home Storage
Mode: TX 2462MHz (802.11g)
Model: SSM-F200
Manufacturer: MAYA

Polarization: Horizontal
Power Source: DC 5V
Date: 16/11/19/
Time: 13/59/17
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20162354



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	66.27	-7.37	58.90	74.00	-15.10	peak			
2	2483.500	59.70	-7.37	52.33	54.00	-1.67	AVG			
3	2500.000	53.87	-7.40	46.47	74.00	-27.53	peak			
4	2500.000	49.37	-7.40	41.97	54.00	-12.03	AVG			

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 #734

Standard: FCC PK

Test item: Radiation Test

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

EUT: Smart Home Storage

Mode: TX 2462MHz (802.11g)

Model: SSM-F200

Manufacturer: MAYA

Polarization: Vertical

Power Source: DC 5V

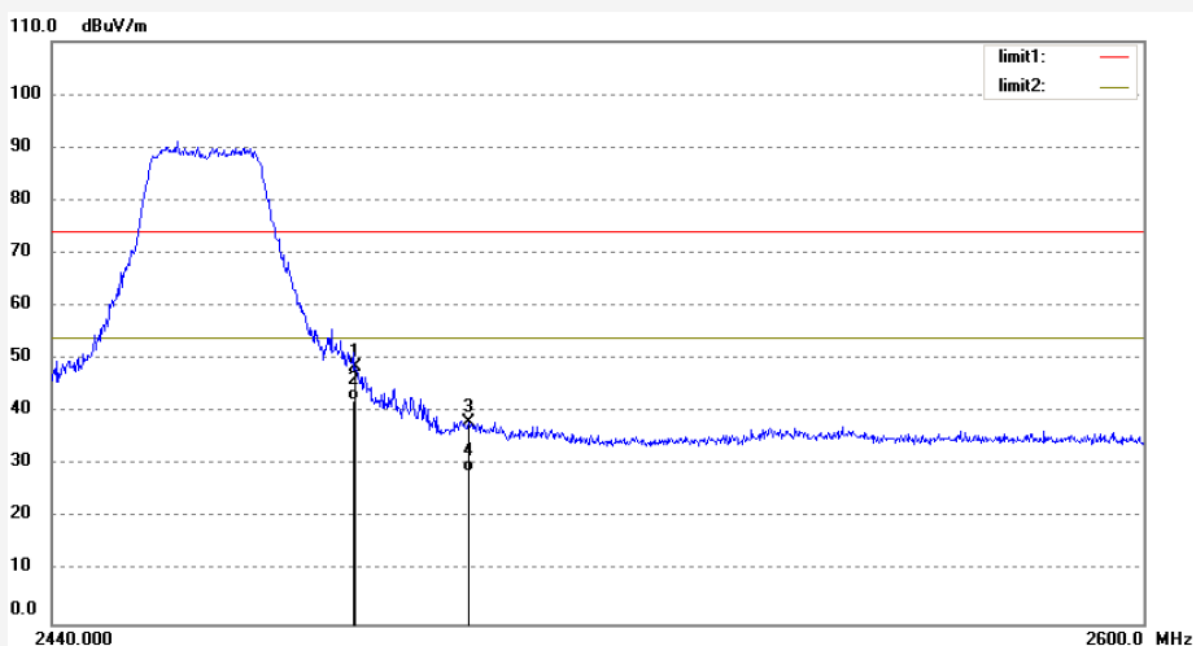
Date: 16/11/19/

Time: 14/02/25

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20162354



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	56.04	-7.37	48.67	74.00	-25.33	peak			
2	2483.500	49.70	-7.37	42.33	54.00	-11.67	AVG			
3	2500.000	45.42	-7.40	38.02	74.00	-35.98	peak			
4	2500.000	36.25	-7.40	28.85	54.00	-25.15	AVG			

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



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Site: 2# Chamber

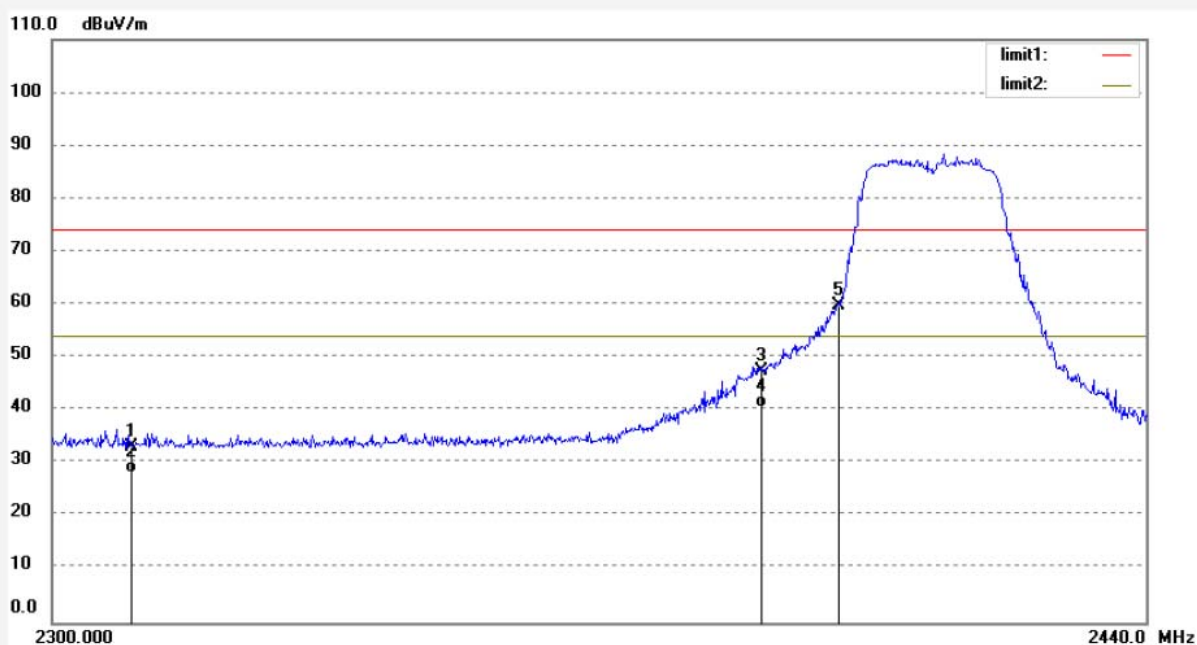
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2015 #738
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Smart Home Storage
Mode: TX 2412MHz (802.11n20)
Model: SSM-F200
Manufacturer: MAYA

Polarization: Vertical
Power Source: DC 5V
Date: 16/11/19/
Time: 14/19/26
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20162354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	40.90	-7.81	33.09	74.00	-40.91	peak			
2	2310.000	36.00	-7.81	28.19	54.00	-25.81	AVG			
3	2390.000	55.00	-7.53	47.47	74.00	-26.53	peak			
4	2390.000	48.15	-7.53	40.62	54.00	-13.38	AVG			
5	2400.000	67.24	-7.46	59.78	74.00	-14.22	peak			

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

Job No.: star2015 #737

Standard: FCC PK

Test item: Radiation Test

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

EUT: Smart Home Storage

Mode: TX 2412MHz (802.11n20)

Model: SSM-F200

Manufacturer: MAYA

Polarization: Horizontal

Power Source: DC 5V

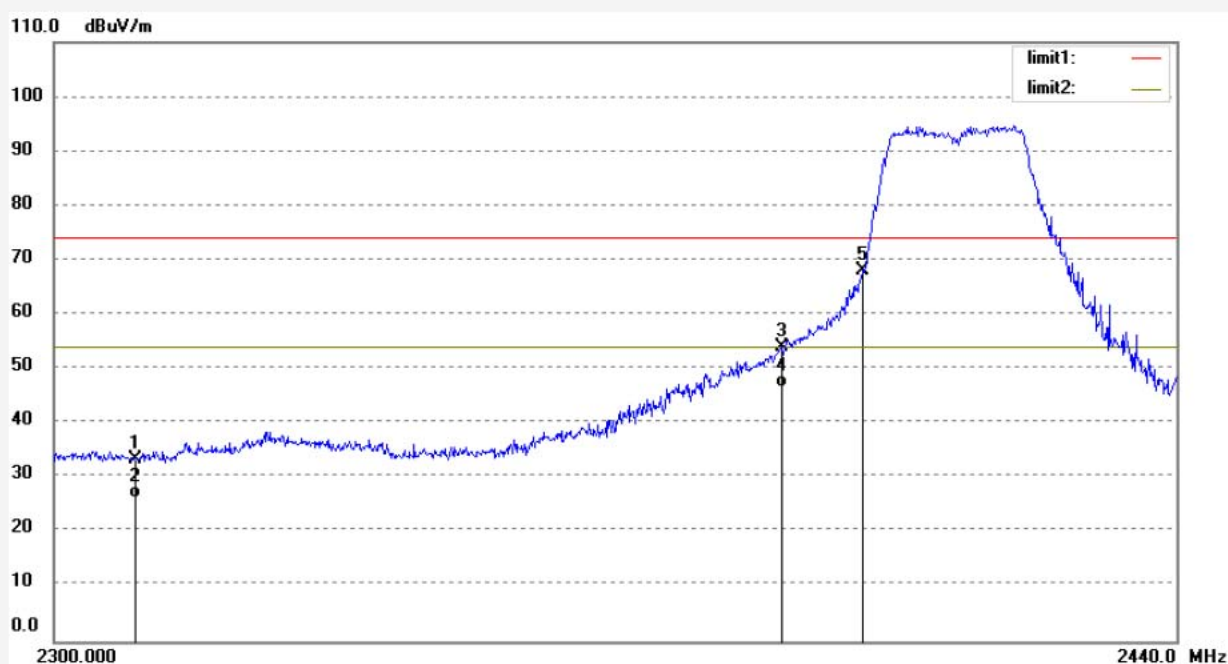
Date: 16/11/19/

Time: 14/14/12

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20162354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	41.27	-7.81	33.46	74.00	-40.54	peak			
2	2310.000	33.97	-7.81	26.16	54.00	-27.84	AVG			
3	2390.000	61.49	-7.53	53.96	74.00	-20.04	peak			
4	2390.000	54.17	-7.53	46.64	54.00	-7.36	AVG			
5	2400.000	75.62	-7.46	68.16	74.00	-5.84	peak			

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



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Site: 2# Chamber

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Fax:+86-0755-26503396

Job No.: star2015 #736

Standard: FCC PK

Test item: Radiation Test

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

EUT: Smart Home Storage

Mode: TX 2462MHz (802.11n20)

Model: SSM-F200

Manufacturer: MAYA

Polarization: Horizontal

Power Source: DC 5V

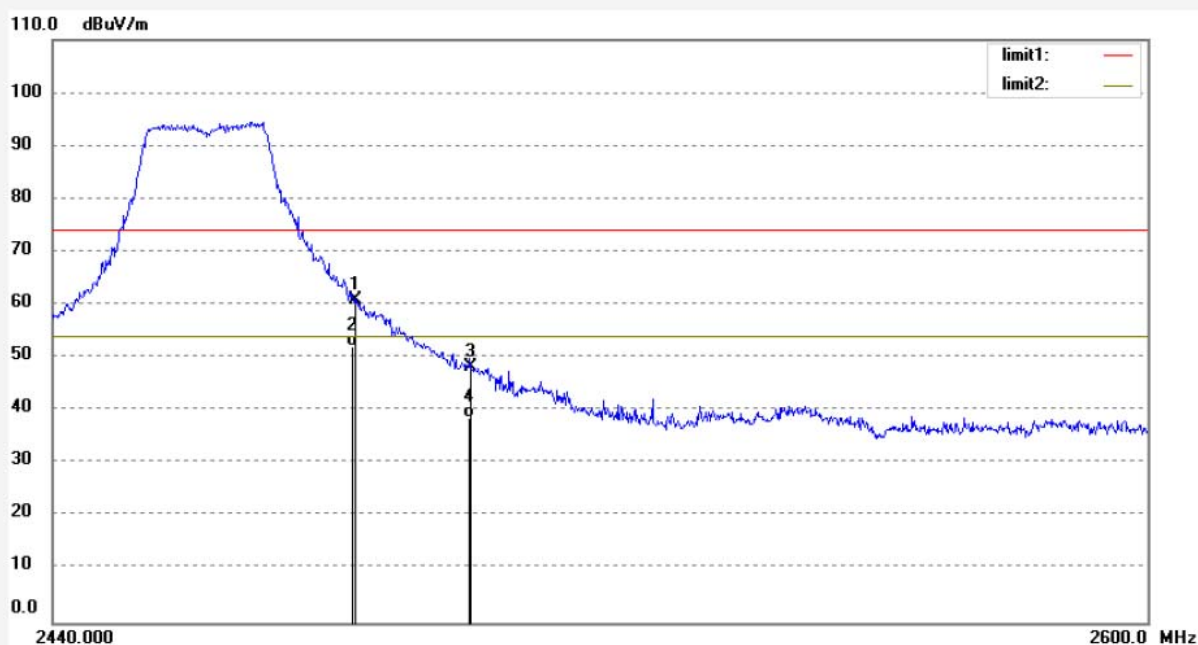
Date: 16/11/19/

Time: 14/10/10

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20162354



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	68.15	-7.37	60.78	74.00	-13.22	peak			
2	2483.500	59.50	-7.37	52.13	54.00	-1.87	AVG			
3	2500.000	55.73	-7.40	48.33	74.00	-25.67	peak			
4	2500.000	46.15	-7.40	38.75	54.00	-15.25	AVG			

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



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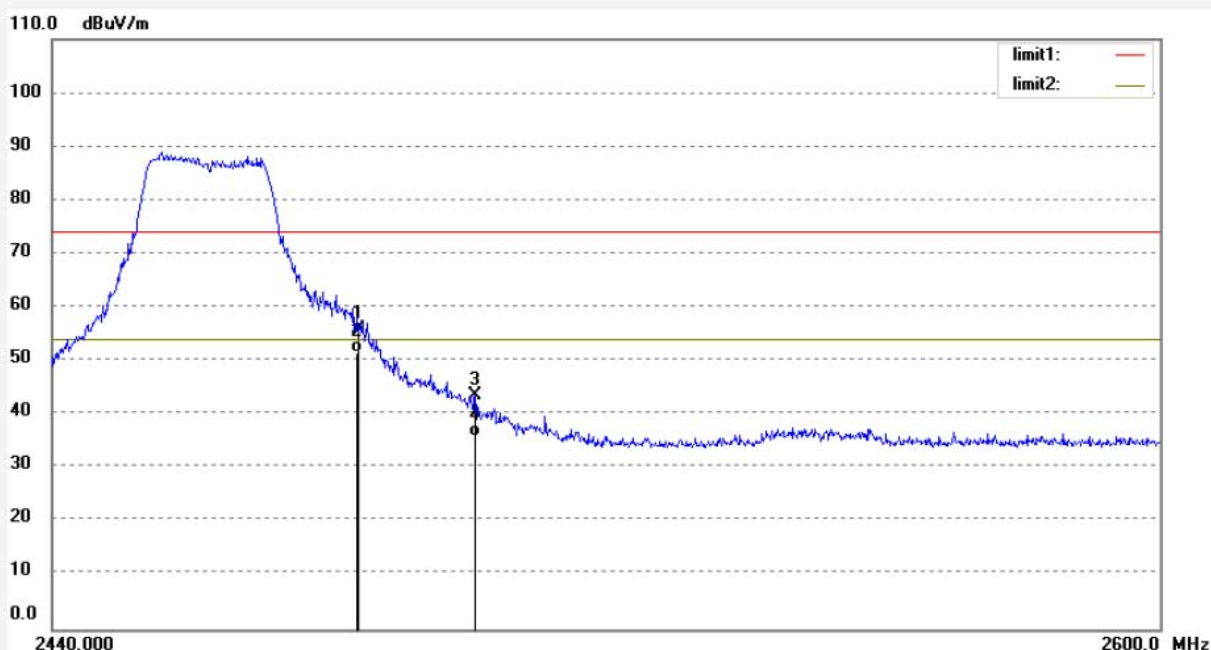
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: star2015 #735
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Smart Home Storage
Mode: TX 2462MHz (802.11n20)
Model: SSM-F200
Manufacturer: MAYA

Polarization: Vertical
Power Source: DC 5V
Date: 16/11/19/
Time: 14/06/01
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20162354



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	63.42	-7.37	56.05	74.00	-17.95	peak			
2	2483.500	59.00	-7.37	51.63	54.00	-2.37	AVG			
3	2500.000	50.96	-7.40	43.56	74.00	-30.44	peak			
4	2500.000	43.28	-7.40	35.88	54.00	-18.12	AVG			

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



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Site: 2# Chamber

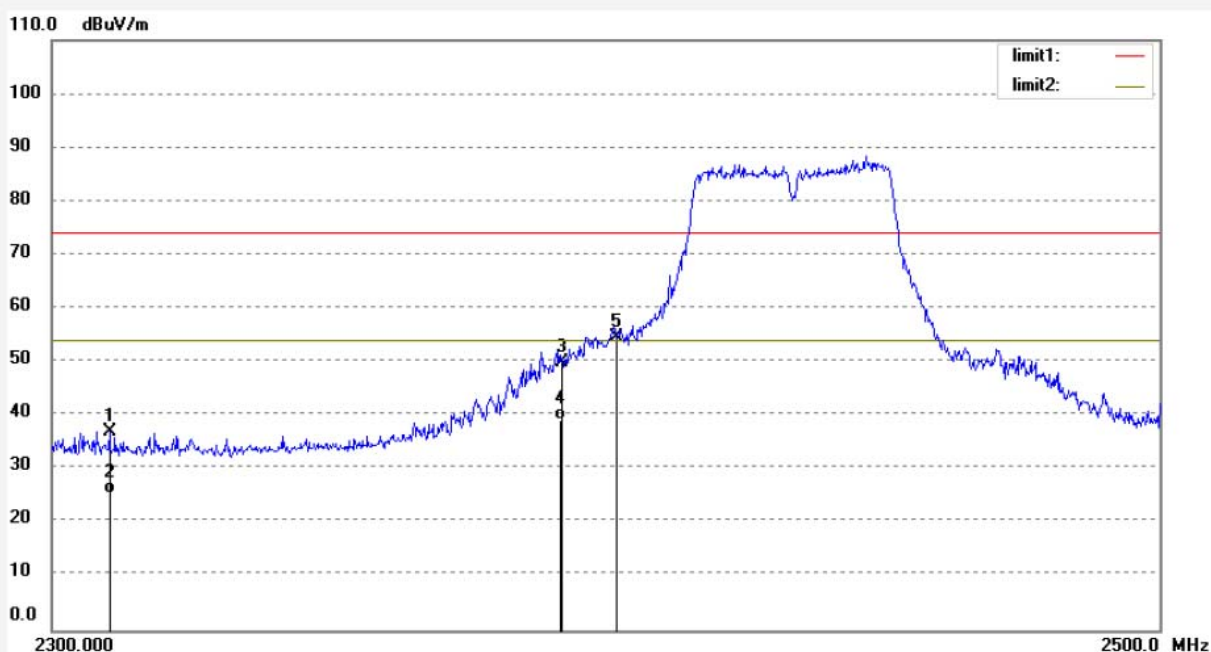
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2015 #739
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Smart Home Storage
Mode: TX 2422MHz (802.11n40)
Model: SSM-F200
Manufacturer: MAYA

Polarization: Vertical
Power Source: DC 5V
Date: 16/11/19/
Time: 14/23/04
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20162354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	44.80	-7.81	36.99	74.00	-37.01	peak			
2	2310.000	33.24	-7.81	25.43	54.00	-28.57	AVG			
3	2390.000	57.44	-7.53	49.91	74.00	-24.09	peak			
4	2390.000	46.72	-7.53	39.19	54.00	-14.81	AVG			
5	2400.000	62.14	-7.46	54.68	74.00	-19.32	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 #740

Standard: FCC PK

Test item: Radiation Test

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

EUT: Smart Home Storage

Mode: TX 2422MHz(802.11n40)

Model: SSM-F200

Manufacturer: MAYA

Polarization: Horizontal

Power Source: DC 5V

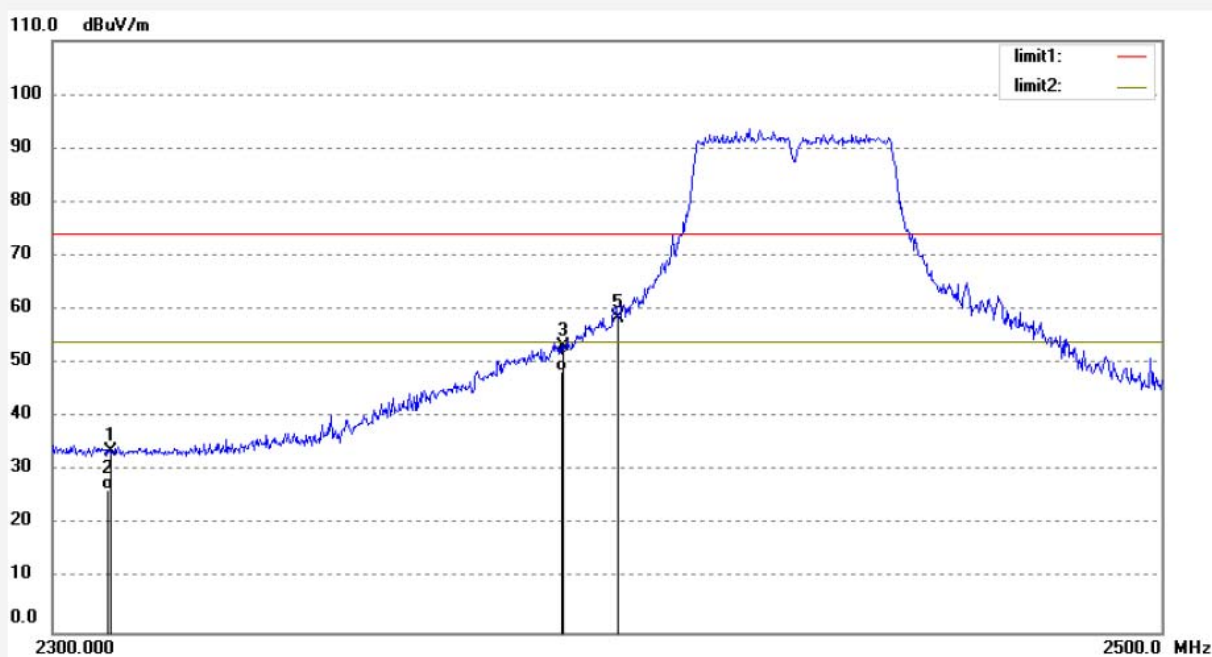
Date: 16/11/19/

Time: 14/28/04

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20162354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	41.50	-7.81	33.69	74.00	-40.31	peak			
2	2310.000	34.44	-7.81	26.63	54.00	-27.37	AVG			
3	2390.000	60.64	-7.53	53.11	74.00	-20.89	peak			
4	2390.000	56.00	-7.53	48.47	54.00	-5.53	AVG			
5	2400.000	65.87	-7.46	58.41	74.00	-15.59	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 #742

Standard: FCC PK

Test item: Radiation Test

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

EUT: Smart Home Storage

Mode: TX 2452MHz(802.11n40)

Model: SSM-F200

Manufacturer: MAYA

Polarization: Horizontal

Power Source: DC 5V

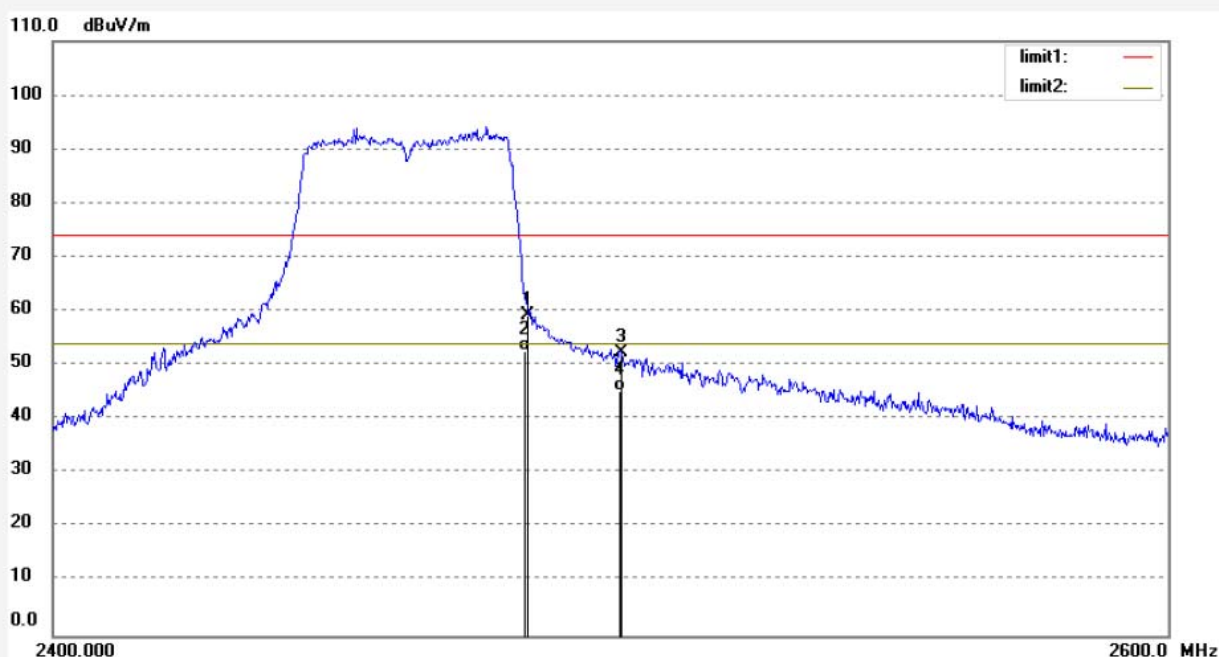
Date: 16/11/19/

Time: 14/31/09

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20162354



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	66.59	-7.37	59.22	74.00	-14.78	peak			
2	2483.500	60.00	-7.37	52.63	54.00	-1.37	AVG			
3	2500.000	59.82	-7.40	52.42	74.00	-21.58	peak			
4	2500.000	52.69	-7.40	45.29	54.00	-8.71	AVG			

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 #744

Standard: FCC PK

Test item: Radiation Test

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

EUT: Smart Home Storage

Mode: TX 2452MHz(802.11n40)

Model: SSM-F200

Manufacturer: MAYA

Polarization: Vertical

Power Source: DC 5V

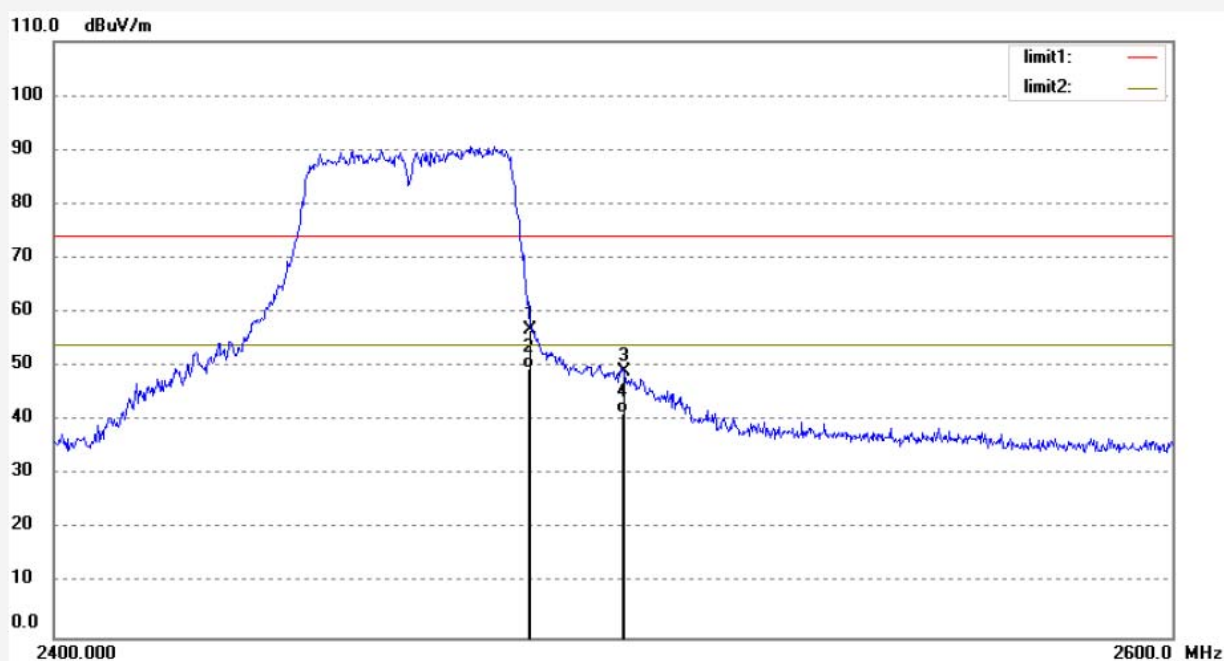
Date: 16/11/19/

Time: 14/35/47

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20162354



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	64.08	-7.37	56.71	74.00	-17.29	peak			
2	2483.500	57.00	-7.37	49.63	54.00	-4.37	AVG			
3	2500.000	56.51	-7.40	49.11	74.00	-24.89	peak			
4	2500.000	48.67	-7.40	41.27	54.00	-12.73	AVG			

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

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

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.

