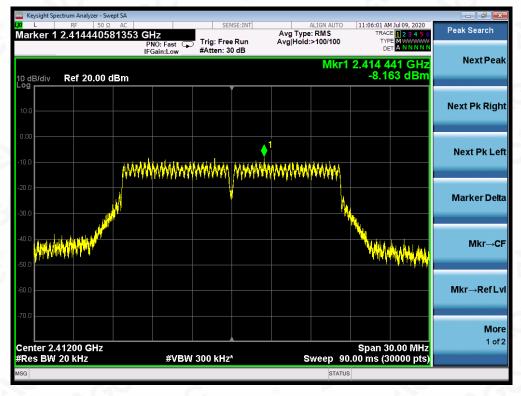




## TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL

## 802.11g TEST RESULT

TEST PLOT OF SPECTRAL DENSITY FOR LOW CHANNEL



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## TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL

## TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL



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# 802.11n 20 TEST RESULT TEST PLOT OF SPECTRAL DENSITY FOR LOW CHANNEL

### TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL



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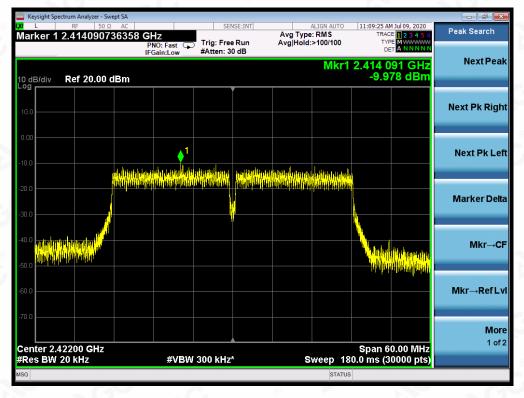




## TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL

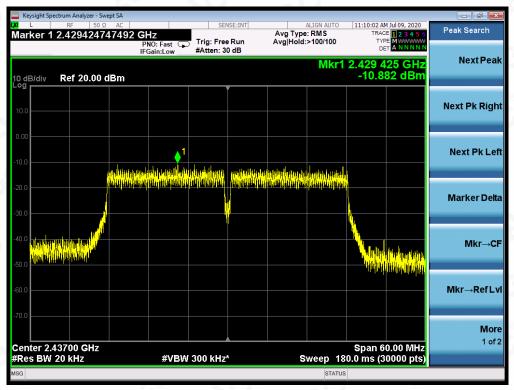
### 802.11n 40 TEST RESULT

TEST PLOT OF SPECTRAL DENSITY FOR LOW CHANNEL



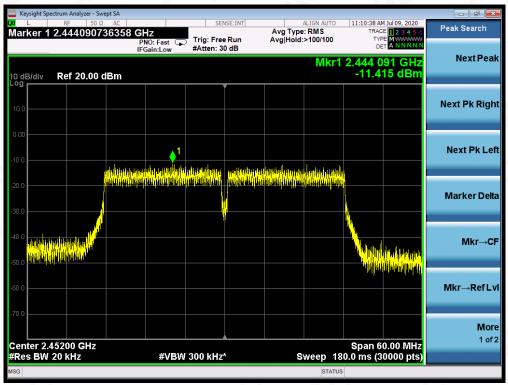
Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Dedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written approver, and the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuence of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.





## TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL

## TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL



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# **11. RADIATED EMISSION**

### **11.1. MEASUREMENT PROCEDURE**

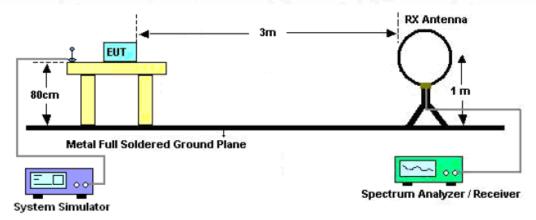
- 1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz RBW and 3MHz VBW for peak reading. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
- 8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.

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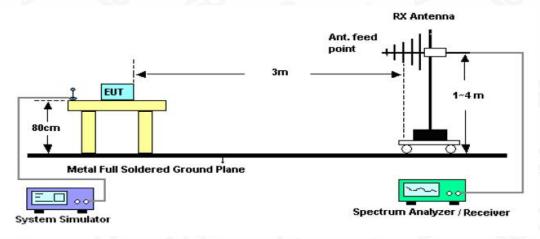


## 11.2. TEST SETUP

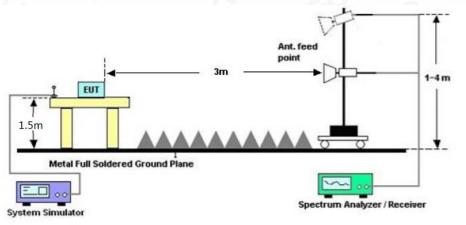
Radiated Emission Test-Setup Frequency Below 30MHz



## RADIATED EMISSION TEST SETUP 30MHz-1000MHz



## RADIATED EMISSION TEST SETUP ABOVE 1000MHz



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## **11.3. LIMITS AND MEASUREMENT RESULT**

15.209(a) Limit in the below table has to be followed

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Note: All modes were tested For restricted band radiated emission,

the test records reported below are the worst result compared to other modes.

# 11.4. TEST RESULT

# **RADIATED EMISSION BELOW 30MHZ**

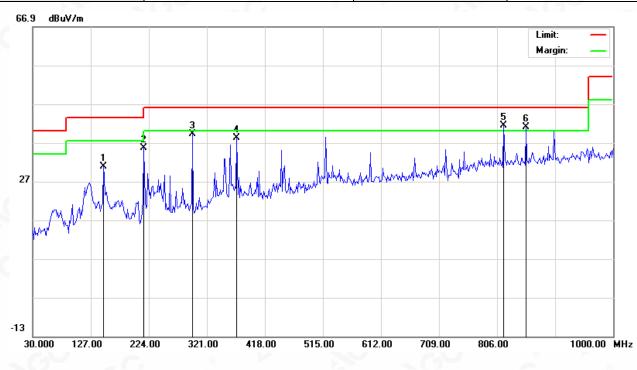
Emissions are attenuated more than 20 dB below the permissible value

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## **RADIATED EMISSION BELOW 1GHZ**

EUT	DDPai	Model Name	mola E3
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2412MHZ	Antenna	Horizontal



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector
	•	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		148.0167	11.54	19.21	30.75	43.50	-12.75	peak
2		215.9167	20.79	14.79	35.58	43.50	-7.92	peak
3		296.7500	19.57	19.55	39.12	46.00	-6.88	peak
4		371.1167	16.27	21.97	38.24	46.00	-7.76	peak
5	*	817.3167	10.86	30.63	41.49	46.00	-4.51	peak
6	Ţ.	854.5000	9.85	31.11	40.96	46.00	-5.04	peak

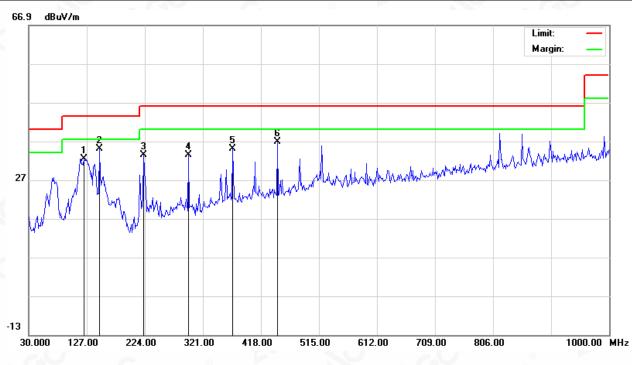
## **RESULT: PASS**

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Attestation of Global Compliance(Shenzhen)Co., Ltd Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Web: http://cn.agc-cert.com/



EUT	DDPai	Model Name	mola E3
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2412MHZ	Antenna	Vertical



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector
	•	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		122.1500	14.31	18.11	32.42	43.50	-11.08	peak
2	*	148.0167	15.73	19.21	34.94	43.50	-8.56	peak
3		222.3833	17.81	15.65	33.46	46.00	-12.54	peak
4		296.7500	13.81	19.55	33.36	46.00	-12.64	peak
5		371.1167	13.03	21.97	35.00	46.00	-11.00	peak
6		445.4833	12.89	23.89	36.78	46.00	-9.22	peak

## **RESULT: PASS**

**Note:** 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. The "Factor" value can be calculated automatically by software of measurement system.

3. All test modes had been pre-tested. The 802.11b at low channel is the worst case and recorded in the report.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the been sta



# **RADIATED EMISSION ABOVE 1GHZ**

EUT	DDPai	Model Name	mola E3
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2412MHZ	Antenna	Horizontal

Frequency ©	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4824.000	55.94	0.08	56.02	74	-17.98	peak
4824.000	47.13	0.08	47.21	54	-6.79	AVG
7236.000	52.17	2.21	54.38	74	-19.62	peak
7236.000	43.75	2.21	45.96	54	-8.04	AVG
6	-C	3		-0-		8
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EUT	DDPai	Model Name	mola E3
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2412MHZ	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Tree
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	- Value Type
4824.000	54.34	0.08 💿	54.42	74	-19.58	peak
4824.000	44.28	0.08	44.36	54	-9.64	AVG
7236.000	51.49	2.21	53.7	74	-20.3	peak
7236.000	42.87	2.21	45.08	54	-8.92	AVG
6						3
						8

#### Remark:

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

Compliances Dedicated Fes Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "bedicated Past Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issues of Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com. g/Inspection he test results Sf the test report.



EUT	DDPai	Model Name	mola E3
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2437MHZ	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Trees
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	- Value Type
4874.000	55.97	0.14	56.11	74	-17.89	peak
4874.000	45.01	0.14	45.15	54	-8.85	AVG
7311.000	42.84	2.36	45.2	74	-28.8	peak
7311.000	41.34	2.36	43.7	54	-10.3	AVG
emark:	2.0		204	LOG	e.Û	

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT	DDPai	Model Name	mola E3
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2437MHZ	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Tree
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4874.000	54.34	0.14	54.48	74	-19.52	peak
4874.000	43.58	0.14 💿	43.72	54	-10.28	AVG
7311.000	51.27	2.36	53.63	74	-20.37	peak
7311.000	41.28	2.36	43.64	54	-10.36	AVG
1				C	3	
						3

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

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EUT	DDPai	Model Name	mola E3
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2462MHZ	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Trees
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4924.000	54.63	0.22	54.85	74	-19.15	peak
4924.000	44.27	0.22	44.49	54	-9.51	AVG
7386.000	51.41	2.64	54.05	74	-19.95	peak
7386.000	40.28	2.64	42.92	54	-11.08	AVG
e.G				e.G	8	

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT	DDPai	Model Name	mola E3
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2462MHZ	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	- Value Type
4924.000	52.56	0.22	52.78	74	-21.22	peak
4924.000	42.99	0.22	43.21	54	-10.79	AVG
7386.000	48.58	2.64	51.22	74	-22.78	💿 peak 🕨
7386.000	38.26	2.64	40.9	54	-13.1	AVG
<u>(6)</u>						1
emark:				C		

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

## **RESULT: PASS**

## Note:

Other emissions from 1G~25GHz are attenuated more than 20 dB below the permissible value. No recording in the test report.

Factor = Antenna Factor + Cable loss - Amplifier gain, Over=Measure-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

All test modes had been pre-tested. The 802.11b mode is the worst case and recorded in the report.

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# **12. BAND EDGE EMISSION**

## **12.1. MEASUREMENT PROCEDURE**

Radiated restricted band edge measurements

The radiated restricted band edge measurements are measured with an EMI test receiver connected to the receive antenna while the EUT is transmitting

### 12.2. TEST SET-UP

same as 11.2

### Note:

1. Factor=Antenna Factor + Cable loss - Amplifier gain. Field Strength=Factor + Reading level

2. The factor had been edited in the "Input Correction" of the Spectrum Analyzer. So the Amplitude of test plots is equal to Reading level plus the Factor in dB. Use the A dB( $\mu$ V) to represent the Amplitude. Use the F dB( $\mu$ V/m) to represent the Field Strength. So A=F.

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## 12.3. TEST RESULT

EUT	DDPai	Model Name	mola E3
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2412MHZ	Antenna	Horizontal

ΡK



AV



### **RESULT: PASS**

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Attestation of Global Compliance(Shenzhen)Co., Ltd Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Web: http://cn.agc-cert.com/



#### Report No.: AGC05414200701FE05 Page 62 of 86

EUT	DDPai	Model Name	mola E3
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2412MHZ	Antenna	Vertical

ΡK



#### AV

		er - Swept SA	000050		orne	c. 19/2					
larker 1	<sup>RF</sup> 2.41092	50 Ω AC 20000000	CORREC GHz PNO: Fast IFGain:Low		ig: Free F tten: 10 c	Run		ALIGN AUTO pe: RMS Id:>100/100	TRAC	M Jul 09, 2020 DE 123456 PE A WWWWW ET A N N N N N	Peak Search
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97.0 97.0											Next Pk Rig
77.0 57.0 57.0											Next Pk L
47.0 37.0 27.0 17.0				χ <u>2</u> /							Marker De
itart 2.37	7000 GHz 1.0 MHz		#V	BW 3.0	MHz*			Sweep 1		2500 GHz 1001 pts)	Mkr→
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7 8 9											<b>M</b> (
10											10

## **RESULT: PASS**

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#### Report No.: AGC05414200701FE05 Page 63 of 86

EUT	DDPai	Model Name	mola E3
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2462MHZ	Antenna	Horizontal

ΡK



#### AV

L RF 30 A AC COREC Jarker 1 2.460950000000 GHz PNO: Fast Fig: Free Run Atten: 10 dB Avg Type: RNS Avg Typ	Peak Search Next Pe W/m Next Pk Rig
Mkr1 2.460 95 97.816 dBJ 97.816 dBJ 97.817 d	Next Pk Rig
R MODE X Y EVECTION FUNCTION	
67 0	
X10 <td>Next Pk L</td>	Next Pk L
Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (100 ms (	Marker De
1 N 1 f 2.460 95 GHz 97.817 dBµV/m	1 pts) Mkr→0
3	Mkr→RefL
	Ma 1 o

## **RESULT: PASS**

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#### Report No.: AGC05414200701FE05 Page 64 of 86

EUT	DDPai	Model Name	mola E3
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2462MHZ	Antenna	Vertical

ΡK



#### AV

u RF 50Ω Marker 1 2.4610000	AC CORREC 000000 GHz PNO: Fast IEGain:Low		ALIGN AUTO Avg Type: RMS Avg Hold:>100/100	11:13:05 AM Jul 09, 2020 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A N N N N N	Peak Search
10 dB/div Ref 106.99		Atten. 10 db		1 2.461 00 GHz 95.831 dBµV/m	Next Pea
97.0 87.0 77.0					Next Pk Rig
67.0 57.0					Next Pk Lo
37.0 27.0 17.0					Marker De
Start 2.45000 GHz #Res BW 1.0 MHz		BW 3.0 MHz*		Stop 2.50000 GHz .000 ms (1001 pts)	Mkr→
MKR MODE TRC SCL 1 N 1 f 2 N 1 f 3	× 2.461 00 GHz 2.483 50 GHz	95.832 dBµV/m 35.922 dBµV/m	UNCTION FUNCTION WIDTH	FUNCTION VALUE	Mkr→Refl
7					Ma

## **RESULT: PASS**

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pasting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuer of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



#### Report No.: AGC05414200701FE05 Page 65 of 86

EUT	JT DDPai Mode		mola E3
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2412MHZ	Antenna	Horizontal

ΡK



#### AV

Peak Search		11:13:58 AM Jul 09,	ALIGN AUTO		E:INT	SEN				RF	L
Peak Search	3456	TRACE 1 2 3		Avg Typ Avg Hold	Run	Trig: Free	Z 0: Fast 😱	0000 GI	0591500	1 2.40	arker
	INNNN	DET A N		, regiment		Atten: 10	iain:Low				
NextPea		2.405 915 0									
	iV/m	8.930 dBµ\						dBµV/m	f 106.99	Re	dB/div g
				1_		Ĭ					.0
Next Pk Rig				<u> </u>							
		$\langle \rangle$									
Next Pk L							~				
						الميلس ملتعد لمسمر مميد	2 \}				
							a gara and and a	- commentation			
									مىسى <sub>ا</sub> لىيەمىي	mana	
Marker De											'.0 <b> </b>
											'.O
	GHz	top 2.42500							GHz	37000	art 2.
Mkr→	1 pts)	000 ms (1001	Sweep 1			3.0 MHz*	#VBW		MHz	W 1.0 I	les B
	UE 🔺	FUNCTION VALU	NCTION WIDTH	ION FU	FUNC	Y		x	-	TRC SCL	R MODE
						.930 dBµV/	GHz 88	2.405 91		1 f 1 f	N
Mkr→RefL							4	2.030 000			
	=										
											6 7
											3
Mo											
<b>Мо</b> 1 о											

## **RESULT: PASS**

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#### Report No.: AGC05414200701FE05 Page 66 of 86

EUT	JT DDPai Model		mola E3	
Temperature	25°C	Relative Humidity	55.4%	
Pressure	960hPa	Test Voltage	Normal Voltage	
Test Mode	802.11g with data rate 6 2412MHZ	Antenna	Vertical	

ΡK



#### AV

Keysight Sp	ectrum Analyzer - RF 5		CORREC		ENSE:INT		ALIGN AUTO	11:14:18 AM	100.0000	
larker 1	2.409490	0000000		Trig: Fr	ee Run		Type: RMS Hold:>100/100	TRACE	1 2 3 4 5 6 A WWWWWW A NNNNN	Peak Search
0 dB/div	Ref 106.	99 dBµV/r						2.409 49 37.127 d		Next Pea
. <b>og</b> 97.0 87.0							<b>●</b> <sup>1</sup>			Next Pk Rig
77.0 67.0 57.0				2 2	a mark					Next Pk Lo
37.0 27.0 17.0										Marker De
	7000 GHz 1.0 MHz		#VI	BW 3.0 MH:	z*			Stop 2.42: .000 ms (1		Mkr⊸
1 N 2 N	f	× 2.409 2.390	490 GHz 000 GHz	۲ 87.096 dBµ 45.644 dBµ	V/m	NCTION	FUNCTION WIDTH	FUNCTION	I VALUE	
3 4 5 6									=	Mkr→Refl
7 8 9										<b>M</b> c 1 c
11										10

## **RESULT: PASS**

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#### Report No.: AGC05414200701FE05 Page 67 of 86

EUT	DDPai Model Name		mola E3
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2462MHZ	Antenna	Horizontal

ΡK



#### AV



## **RESULT: PASS**

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#### Report No.: AGC05414200701FE05 Page 68 of 86

EUT	DDPai	Model Name	mola E3	
Temperature	25°C	Relative Humidity	55.4%	
Pressure	960hPa	Test Voltage	Normal Voltage	
Test Mode	802.11g with data rate 6 2462MHZ	Antenna	Vertical	

ΡK



#### AV



## **RESULT: PASS**

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Perturg/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuer of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



#### Report No.: AGC05414200701FE05 Page 69 of 86

EUT	DDPai Model Name		mola E3	
Temperature	25°C	Relative Humidity	55.4%	
Pressure	960hPa	Test Voltage	Normal Voltage	
Test Mode	802.11n 20 with data rate 6.5 2412MHZ	Antenna	Horizontal	

ΡK



#### AV

	20	16:43 AM Jul 09, 20	0 11:1	ALIGN AUTO		SE:INT	SEN	RREC		Analyzer - Sv 50 Ω	RF	L
Peak Search	5 6	TRACE 1 2 3 4		ype: RMS old:>100/100	Avg		Trig: Free		00000 G			rker
	NN	DET A N N N	-				Atten: 10	Gain:Low				
NextPe		07 125 GI ′04 dBµV/		Mkr					dBµV/n	f 106.9	Re	dB/div
				<u>، 1</u>			, ,					
Next Pk Rig				<b>V</b>								
					/							
						/						
Next Pk L		\				and the second	- APRIL					
							content of the second	-				
									م <sup>ور</sup> مارور معرود	المحمر ومارور		
Marker De											al more than	
Mkr→		o 2.42500 G ms (1001 p		Sweep			3.0 MHz	#VBW			37000 N 1.0	
		FUNCTION VALUE	DTH F	FUNCTION WIDT	CTION		Y		х		TRC SCL	
							.709 dBµV .418 dBµV	5 GHz 8 0 GHz 5	2.407 1 2.390 0		1 f 1 f	
Mkr→Refl												
	в											
			_									
<b>Мо</b> 1 о												

## **RESULT: PASS**

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#### Report No.: AGC05414200701FE05 Page 70 of 86

EUT	DDPai Model Name		mola E3	
Temperature	25°C	Relative Humidity	55.4%	
Pressure	960hPa	Test Voltage	Normal Voltage	
Test Mode	802.11n 20 with data rate 6.5 2412MHZ	Antenna	Vertical	

ΡK



#### AV

	20	AM Jul 09, 202	11:17:19 A	ALIGN AUTO		1	NSE:IN	S	EC		Analyzer - Swe 50 Ω	RF	L
Peak Search	5 6		TRA	: RMS >100/100	vg Type			Trig: Fr		0000 GI	0459500	1 2.40	rker
	NN	DETANNN	D	>100/100	/g Hola			Atten: 1	D:Fast ⊂⊊ ain:Low				
NextPea	12	595 GI	2.404 5	Mkr1									
			87.574							dBuV/m	f 106.99	Re	dB/div
							T						
Next Pk Rig					1								•
Nextrang													.0
						_/-							.0
													.0
Next Pk Le									(\ <sup>2</sup>				
									and the second				.0
										- Salandar Markan and and and and and and and and and a	مارو براجو		
Marker De												م <del>ا</del> م الم مدين الم	.0
Warker De													
	Ηz	2500 GI	Stop 2.4								GHz	37000	art 2.:
Mkr→0	is)	(1001 pt	.000 ms	Sweep 1			*	3.0 MH	#VBW		VIHz	N 1.0 I	es B\
	<u> </u>	TION VALUE	FUNCT	CTION WIDTH	FUN	FUNCTI		Y		х		TRC SCL	MODE
					_			.568 dBµ	GHz 8	2.404 59		1 f	N
Mkr→RefL								.422 GDp	4	2.030 000			
Mo													
<b>Mo</b> 1 o													=
<b>Mo</b> 1 o	-												

## **RESULT: PASS**

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#### Report No.: AGC05414200701FE05 Page 71 of 86

EUT	JT DDPai Model Na		mola E3	
Temperature	25°C	Relative Humidity	55.4%	
Pressure	960hPa	Test Voltage	Normal Voltage	
Test Mode	802.11n 20 with data rate 6.5 2462MHZ	Antenna	Horizontal	

ΡK



#### AV



# **RESULT: PASS**

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pasting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuer of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



#### Report No.: AGC05414200701FE05 Page 72 of 86

EUT	DDPai	Model Name	mola E3	
Temperature	25°C	Relative Humidity	55.4%	
Pressure	960hPa	Test Voltage	Normal Voltage	
Test Mode	802.11n 20 with data rate 6.5 2462MHZ	Antenna	Vertical	

ΡK



#### AV



## **RESULT: PASS**

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Perturg/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuer of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



#### Report No.: AGC05414200701FE05 Page 73 of 86

EUT	DDPai	Model Name	mola E3
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 40 with data rate 13.5 2422MHZ	Antenna	Horizontal

ΡK



#### AV

- L	RF 5	0Ω AC CORR	EC	SENSE:IN	π	ALIGN AUTO	11:20:41 AM Ju		Deels Courses	
rker 1	2.425050		Z D:Fast ⊂ ain:Low	Trig: Free Run Atten: 10 dB		Type: RMS  Hold:>100/100	TYPE	1 2 3 4 5 6 A WWWWW A NNNNN	Peak Search	
dB/div	Ref 106.	99 dBµV/m					2.425 05 81.522 dE		Next Pea	
.0						<sup>1</sup>			Next Pk Rig	
.0										
.0		. 2							New Plat	
.0								$\rightarrow$	Next Pk L	
.0										
.0									Marker De	
.0									Warker De	
	000 GHz 1.0 MHz		#VB	W 3.0 MHz*		Sweep 1	Stop 2.445 .000 ms (10		Mkr→0	
R MODE TR		х		Y	FUNCTION	FUNCTION WIDTH	FUNCTION	VALUE 🔺		
N 1 N 1		2.425 050 2.390 000		81.551 dBµV/m 51.595 dBµV/m						
									Mkr→RefL	
								=		
									Mo	
									<b>Mo</b> 1 o	

## **RESULT: PASS**

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#### Report No.: AGC05414200701FE05 Page 74 of 86

EUT	DDPai	Model Name	mola E3
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 40 with data rate 13.5 2422MHZ	Antenna	Vertical

ΡK



#### AV

Keysight Spectrum Analyzer - Swept SA	CORREC SENSE:INT	ALIGN AUTO	11:23:11 AM Jul 09, 2020	
larker 1 2.414400000000		Avg Type: RMS Avg Hold:>100/100	TRACE 1 2 3 4 5 6 TYPE A WWWW DET A NNNNN	Peak Search
0 dB/div Ref 106.99 dBµV			2.414 400 GHz 79.434 dBµV/m	Next Pe
<b>og</b> 97.0 77.0		↓ <sup>1</sup>		Next Pk Rig
67.0	2			Next Pk L
37.0 27.0 17.0				Marker De
itart 2.37000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz*	Sweep 1.	Stop 2.44500 GHz 000 ms (1001 pts)	Mkr→
	4 400 GHz 79.445 dBµV/m 0 000 GHz 49.979 dBµV/m	UNCTION FUNCTION WIDTH	FUNCTION VALUE	Mkr→RefL
5 6 7 8			E	Ma
9				1 0

## **RESULT: PASS**

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#### Report No.: AGC05414200701FE05 Page 75 of 86

EUT	DDPai	Model Name	mola E3
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 40with data rate 13.5 2452MHZ	Antenna	Horizontal

ΡK

Peak Search	1 2 3 4 5 6 M	TYP	ALIGN AUTO De: Log-Pwr d:>100/100				RREC HZ PNO: Fast C Gain:Low			R	L	u –
Next Peak	4 GHz BµV/m	2.446 2.033 d	Mkr					9 dBµV/n	f 106.9	Re	IB/div	I0 d
Next Pk Rig							~~~	<b>1</b>		_		
Next Pk L		harrow	2 2									77.0 67.0 57.0 47.0
Marker De												
Mkr→	001 pts)	Stop 2.50 000 ms (*	Sweep 1.	CTION	5100	3.0 MHz	#VB	x	VIHz	3000 V 1.0	es Bl	#Re
Mkr→RefL	F	FUNCTIO	JNCTION WIDTH	CTION	m	2.033 dBµV/ 3.600 dBµV/	24 GHz 50 GHz	2.446		1 f	Ν	1 2 3 4 5 6
<b>М</b> а 1 о												7 8 9 10 11
			STATUS			m						∢ SG

#### AV

Peak Search	AMMW-	CE 1 2 3 4 PE A WWW ET A NNN	TY	: RMS :>100/100	Avg Typ Avg Hold				Hz PNO: Fast FGain:Low	00000 (	568100	1 2.4	rker	ar
NextPe	Hz /m	81 GI dBµV/	1 2.456 33.389 (	Mkr {					ı	) dBµV/n	f 106.9	Re	IB/div	0 d
Next Pk Rig								1						.og 97.0 87.0
Next Pk L				2 2	where we									77.0 67.0 57.0 47.0
Marker De													_	
Mkr→	GHz ots)	(1001 p		Sweep 1.			z*	W 3.0 MH	#VI		MHz	3000 V 1.0 I	es BV	Re
	Î	ION VALUE	FUNCTI	NCTION WIDTH	IN FU	FUNC	uV/m uV/m	Y 83.412 dB 47.647 dB	81 GHz 50 GHz	× 2.456 2.483		TRC SCL 1 f 1 f	N	1 2 3
Mkr→Ref	E													4 5 6
<b>M</b> d 1 d														7 8 9
	-													11

## **RESULT: PASS**

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#### Report No.: AGC05414200701FE05 Page 76 of 86

EUT	DDPai	Model Name	mola E3
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 40 with data rate 13.5 2452MHZ	Antenna	Vertical

ΡK

L	RF 50 : 2.4463100	Ω AC	CORREC GHZ PNO: Fast IFGain:Low			Avg Type: Avg Hold:>		TRAC	M Jul 09, 2020 CE 123456 PE M	Peak Search
I0 dB/div	Ref 106.9	9 dBµV/i					Mkr'	1 2.446 90.043 (	31 GHz dBµV/m	Next Pe
97.0 87.0		<b>●</b> <sup>1</sup>								Next Pk Rig
77.0 67.0 57.0 47.0							<sup>2</sup>			Next Pk L
37.0 27.0 17.0										Marker De
Start 2.43 Res BW	1.0 MHz	X	#VE	BW 3.0 MHz	FUNCTI		weep 1.	000 ms (	0000 GHz 1001 pts)	Mkr→
1 N 1 2 N 1 3 4 5 6		<u>2.44</u> 2.48	6 31 GHz 3 50 GHz	90.043 dBµV/ 61.384 dBµV/	m				=	Mkr→Refl
7 8 9 10 11										<b>М</b> а 1 а
•									- F	

#### AV

Peak Search	11:25:52 AM Jul 09, 2020 TRACE 1 2 3 4 5 6 TYPE A WWWWW	ALIGN AUTO Type: RMS Hold:>100/100		SENSE:			0000 G		® 1 2.45	arker
NextPe	DET ANNNN		·		Atten:	PNO: Fast C Gain:Low				
NextPe	2.458 98 GHz 1.678 dBµV/m						dBµV/m	106.99	Ref	dB/div
Next Pk Rig					_ <mark>  ∮</mark> 1					
						V				.0
Next Pk L			Ì							
		2								
Marker De										
Mkr→	top 2.50000 GHz 000 ms (1001 pts)	Sweep 1.		z*	W 3.0 MH	#VB			13000 ( N 1.0 N	
	FUNCTION VALUE	FUNCTION WIDTH	FUNCT	W/m	۲ 81.679 dBi	98 GHz	X 2.459		TRC SCL	
					45.193 dBi	50 GHz	2.483		1 f	
Mkr→Refl	=									
Mo										
1 0	-									
	•	STATUS			m					

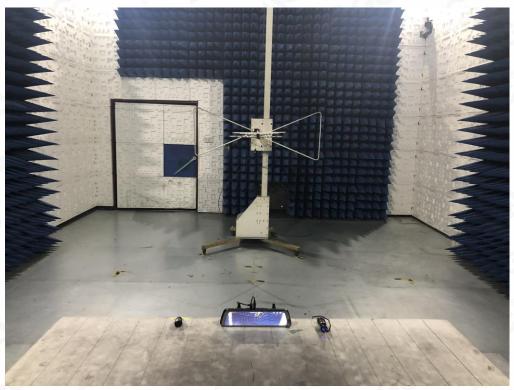
## **RESULT: PASS**

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# **APPENDIX A: PHOTOGRAPHS OF TEST SETUP** FCC RADIATED EMISSION TEST SETUP BELOW 1GHZ



FCC RADIATED EMISSION TEST SETUP ABOVE 1GHZ



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Report No.: AGC05414200701FE05 Page 78 of 86



# APPENDIX B: PHOTOGRAPHS OF EUT ALL VIEW OF EUT

### TOP VIEW OF EUT



Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Festive/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the writter exploration of AGC, the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.