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**Applicant**: Famidoc Technology Co., Ltd.

No 212 Yilong Road, Hexi Industrial Zone, Jinxia, Changan Town,Dongguan,Guangdong Province,523853, P.R,CHINA

**Supplier / Manufacturer :** Famidoc Technology Co., Ltd.

No 212 Yilong Road, Hexi Industrial Zone, Jinxia, Changan Town,

Dongguan, Guangdong Province, 523853, P. R, CHINA

**Description of Sample(s) :** Submitted sample(s) said to be

Product: Arm Blood Pressure Monitor/Automatic Wireless

**Smart Blood Pressure Monitor** 

Brand Name: FAMIDOC Model No.: FDBP-A10BL FCC ID: PONFDBP

**Date Samples Received** : 2022-04-22

**Date Tested** : 2022-04-22 to 2022-07-20

**Investigation Requested**: Perform Electro Magnetic Interference measurement in accordance

with FCC 47CFR [Codes of Federal Regulations] Part 15 and ANSI

C63.10:2013 for FCC Certification.

**Conclusions** : The submitted product <u>COMPLIED</u> with the requirements of Federal

Communications Commission [FCC] Rules and Regulations Part 15. The tests were performed in accordance with the standards described

above and on Section 2.2 in this Test Report.

**Remarks** : WIFI (802.11b/g/n20/n40)

For additional model(s) details, please see page 3.





Date: 2022-08-05 Page 2 of 80 : HMD22040020 CONTENT: Cover Page 1 of 80 Content Page 2 of 80 <u>1.0</u> **General Details** 1.1 **Test Laboratory** Page 3 of 80 1.2 Equipment Under Test [EUT] Page 3 of 80 Description of EUT operation 1.3 Antenna Details Page 3 of 80 1.4 Date of Order Page 4 of 80 Page 4 of 80 1.5 Submitted Sample(s) Page 4 of 80 1.6 **Test Duration** 1.7 Country of Origin Page 4 of 80 **2.0 Technical Details** 2.1 Investigations Requested Page 5-6 of 80 2.2 Page 7 of 80 Test Standards and Results Summary 3.0 **Test Results** 3.1 **Emission** Page 8-75 of 80 Appendix A List of Measurement Equipment Page 76 of 80 Appendix B Photograph(s) of Product Page 77-80 of 80



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### 1.0 General Details

### 1.1 Test Laboratory

The Hong Kong Standards and Testing Centre Ltd.

**EMC Laboratory** 

10 Dai Wang Street, Taipo Industrial Estate, New Territories, Hong Kong

Telephone: 852 2666 1888 Fax: 852 2664 4353

### 1.2 Equipment Under Test [EUT]

### **Description of Sample(s)**

Product: Arm Blood Pressure Monitor/Automatic Wireless Smart Blood

Pressure Monitor

Manufacturer: Famidoc Technology Co., Ltd.

No 212 Yilong Road, Hexi Industrial Zone, Jinxia, Changan Town,

Dongguan, Guangdong Province, 523853, P. R, CHINA

Brand Name: FAMIDOC
Model Number: FDBP-A10BL

Additional model numbers: FDBP-A7BL, FDBP-A7, FDBP-A7L, FDBP-A7B, FDBP-A7T, FDBP-A7LT,

FDBP-A7BT, FDBP-A7BLT, FDBP-A8, FDBP-A8L, FDBP-A8B, FDBP-A8BL, FDBP-A8T, FDBP-A8LT, FDBP-A8BT, FDBP-A8BLT, FDBP-A9, FDBP-A9L, FDBP-A9BL, FDBP-A9LT, FDBP-A9BLT, FDBP-A9BLT, FDBP-A10L, FDBP-A10B,

FDBP-A10T, FDBP-A10LT, FDBP-A10BT, FDBP-A10BLT

Rating: 3.7Vd.c. by Li-ion Battery or

5Vd.c. by USB Port

The AC/DC adapter was provided by the laboratory with following details:

Brand name: UE, Model no.: UES10LU-050200SPA Input: 100-240Va.c. 50/60Hz 0.5A, Output: 5.0Vd.c. 2.0A

Remark: AC mains mode and battery mode have been investigated and the worst-case test results are recorded in

this report.

#### 1.2.1 Description of EUT Operation

The Equipment Under Test (EUT) is a Arm Blood Pressure Monitor/Automatic Wireless Smart Blood Pressure Monitor. The transmission signal is digital modulated with channel frequency range 2412-2462MHz.

### 1.3 Antenna Details

Antenna Type: PCB antenna

Antenna Gain: 0dBi



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1.4 Date of Order

2022-04-22

1.5 Submitted Sample(s):

1 Sample

1.6 Test Duration

2022-04-22 to 2022-07-20

1.7 Country of Origin

China



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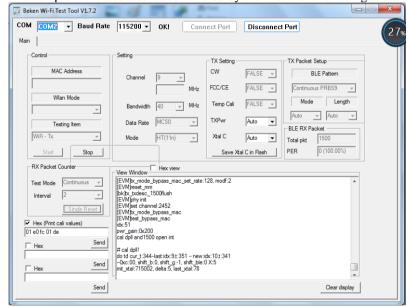
#### 2.0 Technical Details

### 2.1 Investigations Requested

Perform Electromagnetic Interference measurements in accordance with FCC 47CFR [Codes of Federal Regulations] Part 15 Regulations and ANSI C63.10:2013 for FCC Certification. According FCC KDB 558074 DTS Measurement Guidance, Duty cycle  $\geq$  98%. The test mode sample is provided by manufacturer.

### 2.1.0 Operating conditions for the EUT

The sample went into test mode handled by the manufacturer using the software.





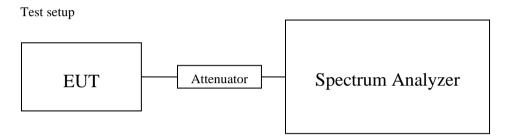
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### 2.1.1 EUT Duty cycle

The EUT shall be configured or modified to transmit continuously. The intent is to test at 100% duty cycle; however, a small reduction in duty cycle (to no lower than 98%) is permitted if required by the EUT for amplitude control purposes.

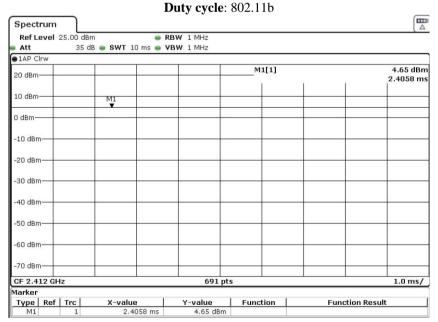
The test mode sample is provided by manufacturer.



#### Results

Mode	On Time	Period	Duty Cycle	Duty Cycle
	(msec)	(msec)	X (Linear)	(%)*
802.11b	1	1	1	100
802.11g	1	1	1	100
802.11n20	1	1	1	100
802.11n40	1	1	1	100

<sup>-\*:</sup> If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.





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### 2.2 Test Standards and Results Summary Tables

EMISSION Results Summary								
Test Condition	Test Requirement	Test Method	Class /	Т	est Result			
			Severity	Pass	Failed	N/A		
Output Power of Fundamental Emissions	FCC 47CFR 15.247(b)(3)	ANSI C63.10:2013	N/A					
Radiated Emissions	FCC 47CFR 15.209	ANSI C63.10:2013	N/A	$\boxtimes$				
Conducted Emissions	FCC 47CFR 15.207	ANSI C63.10:2013	N/A	$\boxtimes$				
Power Spectral Density	FCC 47CFR 15.247(e)	N/A	N/A	$\boxtimes$				
6dB Bandwidth	FCC 47CFR 15.247(a)(2)	N/A	N/A	$\boxtimes$				
Band Edge Emissions	FCC 47CFR 15.247(d)	N/A	N/A	$\boxtimes$				
Antenna requirement	FCC 47CFR 15.203	N/A	N/A	$\boxtimes$				

Note: N/A - Not Applicable



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3.0 Test Results

3.1 Emission

### 3.1.1 Maximum Peak Output Power

Mode of Operation:

Test Requirement: FCC 47CFR 15.247(b)(3)
Test Method: ANSI C63.10: 2013
Test Date: 2022-07-14

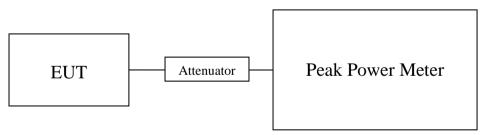
Ambient Temperature: 25°C Relative Humidity: 51% Atmospheric Pressure: 101 kPa

#### **Test Method:**

The RF output of the EUT was connected to the peak power meter. All the attenuation or cable loss will be added to the measured maximum output power. The results are recorded in Watt.

WIFI Tx mode

### **Test Setup:**



Note: a temporary antenna connector was soldered to the RF output.



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### Limits for Peak Output Power of Fundamental & Harmonics Emissions [FCC 47CFR 15.247]:

For Digital Transmission systems in 2400-2483.5 MHz Band: 1 Watt (30dBm)

Results of WiFi mode 802.11 b, (2412MHz to 2462MHz): Pass (TX Unit) Maximum conducted output power					
Channel	Frequency (MHz)	Output Power (Watt)			
Low	2412	0.0633			
Middle	2437	0.0636			
High	2462	0.0632			

Results of WiFi mode 802.11 g, (2412MHz to 2462MHz): Pass (TX Unit) Maximum conducted output power					
Channel	Frequency (MHz)	Output Power (Watt)			
Low	2412	0.0328			
Middle	2437	0.0329			
High	2462	0.0328			

Results of WiFi mode 802.11 n20, (2412MHz to 2462MHz): Pass (TX Unit) Maximum conducted output power						
Channel Frequency (MHz) Output Power (Watt)						
Low	2412	0.0394				
Middle	2437	0.0394				
High	2462	0.0394				

Results of WiFi mode 802.11 n40, (2422MHz to 2452MHz): Pass (TX Unit) Maximum conducted output power					
Channel	Frequency (MHz)	Output Power (Watt)			
Low	2422	0.0256			
Middle	2437	0.0252			
High	2452	0.0255			

Calculated measurement uncertainty : 30MHz to 1GHz 1.7dB 1GHz to 26GHz 1.7dB

For Conditions of Issuance of this test report, please refer to "Conditions of Issuance of Test Reports" section or Website.



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#### 3.1.2 Radiated Emissions

Test Requirement: FCC 47CFR 15.209
Test Method: ANSI C63.10:2013
Test Date: 2022-07-15
Mode of Operation: WIFI Tx mode

Ambient Temperature: 24°C Relative Humidity: 52% Atmospheric Pressure: 101 kPa

#### **Test Method:**

For emission measurements at or below 1 GHz, the sample was placed 0.8m above the ground plane of semi-anechoic Chamber\*. For emission measurements above 1 GHz, the sample was placed 1.5m above the ground plane of semi-anechoic Chamber\*. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

\* Semi-Anechoic chamber located on the G/F of The Hong Kong Standards and Testing Centre Ltd. with a metal ground plane filed with the FCC pursuant to section 2.948 of the FCC rules, with Registration Number: 607756.

For Conditions of Issuance of this test report, please refer to "Conditions of Issuance of Test Reports" section or Website.



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**Spectrum Analyzer Setting:** 

9KHz – 30MHz (Pk & Av) RBW: 10kHz

VBW: 30kHz Sweep: Auto

Span: Fully capture the emissions being measured

Trace: Max. hold

30MHz - 1GHz (QP) RBW: 120kHz

VBW: 120kHz Sweep: Auto

Span: Fully capture the emissions being measured

Trace: Max. hold

Above 1GHz (Pk) RBW: 1MHz

VBW: 1MHz Sweep: Auto

Span: Fully capture the emissions being measured

Trace: Max. hold

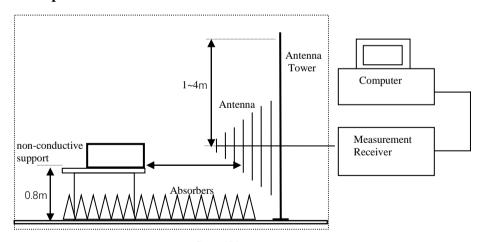
Above 1GHz (Av) RBW: 1MHz

VBW: 10Hz Sweep: Auto

Span: Fully capture the emissions being measured

Trace: Max. hold

### **Test Setup:**



Ground Plane

- Absorbers placed on top of the ground plane are for measurements above 1000MHz only.
- Measurements between 30MHz to 1000MHz made with Bi-log antennas, above 1000MHz horn antennas are used.



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### Limits for Radiated Emissions FCC 47 CFR 15.247 ]:

Frequency Range	Quasi-Peak Limits
[MHz]	$[\mu V/m]$
0.009-0.490	2400/F (kHz)
0.490-1.705	24000/F (kHz)
1.705-30	30
30-88	100
88-216	150
216-960	200
Above960	500

The emission limits shown in the above table are based on measurement employing a CISPR quasi-peak detector and above 1000MHz are based on measurements employing an average detector.

Result of Tx mode (2412.0 MHz) (802.11b) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions						
Peak Value						
Frequency	Measured	Correction	Field	Field	Limit	E-Field
	Level	Factor	Strength	Strength		Polarity
MHz	dΒμV	dB/m	dBμV/m	$\mu V/m$	$\mu V/m$	
Emissions detected are more than 20 dB below the FCC Limits						

### Result of Tx mode (2412.0 MHz) (802.11b) (1GHz-25GHz): Pass

Aesult of 1x mode (2412.0 MHz) (802.110) (1GHz-25GHz). Fass								
	Field Strength of Spurious Emissions							
	Peak Value							
Frequency	Measured	Correction	Field	Limit	Margin	E-Field		
	Level @3m	Factor	Strength	@3m		Polarity		
MHz	dBμV	dB/m	dBμV/m	dBμV/m	dB			
4824.0	57.2	0.82	58.1	74.0	16.0	Vertical		
4824.0	57.7	0.52	58.2	74.0	15.8	Horizontal		
7236.0	51.0	7.00	58.0	74.0	16.0	Vertical		
7236.0	50.7	6.50	57.2	74.0	16.8	Horizontal		
9648.0	47.1	8.50	55.6	74.0	18.4	Vertical		
9648.0	47.3	8.30	55.6	74.0	18.4	Horizontal		
12060.0	45.6	10.90	56.5	74.0	17.5	Vertical		
12060.0	45.2	10.80	56.0	74.0	18.0	Horizontal		



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Field Strength of Spurious Emissions Average Value							
Frequency	Measured	Correction	Field	Limit	Margin	E-Field	
	Level @3m	Factor	Strength	@3m		Polarity	
MHz	dΒμV	dB/m	$dB\mu V/m$	dBμV/m	dB		
4824.0	40.6	0.82	41.4	54.0	12.6	Vertical	
4824.0	41.5	0.52	42.0	54.0	12.0	Horizontal	
7236.0	35.9	7.00	42.9	54.0	11.1	Vertical	
7236.0	35.4	6.50	41.9	54.0	12.1	Horizontal	
9648.0	32.0	8.50	40.5	54.0	13.5	Vertical	
9648.0	31.8	8.30	40.1	54.0	13.9	Horizontal	
12060.0	30.2	10.90	41.1	54.0	12.9	Vertical	
12060.0	29.6	10.80	40.4	54.0	13.6	Horizontal	

### Result of Tx mode (2437.0 MHz) (802.11b) (9kHz - 30MHz): Pass

Field Strength of Spurious Emissions						
Peak Value						
Frequency	Measured	Correction	Field	Field	Limit	E-Field
	Level	Factor	Strength	Strength		Polarity
MHz	dΒμV	dB/m	dBμV/m	$\mu V/m$	$\mu V/m$	
Emissions detected are more than 20 dB below the FCC Limits						

### Result of Tx mode (2437.0 MHz) (802.11b) (1GHz-25GHz): Pass

Trestation TA III	Field Strength of Spurious Emissions							
	Peak Value							
Frequency	Measured	Correction	Field	Limit	Margin	E-Field		
	Level @3m	Factor	Strength	@3m		Polarity		
MHz	dΒμV	dB/m	$dB\mu V/m$	$dB\mu V/m$	dB			
4874.0	57.2	0.82	58.0	74.0	16.0	Vertical		
4874.0	56.9	0.52	57.4	74.0	16.6	Horizontal		
7311.0	51.1	7.00	58.1	74.0	15.9	Vertical		
7311.0	50.8	6.50	57.3	74.0	16.7	Horizontal		
9748.0	48.0	8.50	56.5	74.0	17.5	Vertical		
9748.0	47.6	8.30	55.9	74.0	18.1	Horizontal		
12185.0	45.1	10.90	56.0	74.0	18.0	Vertical		
12185.0	45.4	10.80	56.2	74.0	17.8	Horizontal		



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Field Strength of Spurious Emissions Average Value									
Frequency	Measured	Correction	Field	Limit	Margin	E-Field			
	Level @3m	Factor	Strength	@3m	_	Polarity			
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB				
4874.0	41.1	0.82	41.9	54.0	12.1	Vertical			
4874.0	40.9	0.52	41.4	54.0	12.6	Horizontal			
7311.0	35.1	7.00	42.1	54.0	11.9	Vertical			
7311.0	34.6	6.50	41.1	54.0	12.9	Horizontal			
9748.0	33.0	8.50	41.5	54.0	12.5	Vertical			
9748.0	32.8	8.30	41.1	54.0	12.9	Horizontal			
12185.0	30.3	10.90	41.2	54.0	12.8	Vertical			
12185.0	30.3	10.80	41.1	54.0	13.0	Horizontal			

Result of Tx mode (2462.0 MHz) (802.11b) (9kHz - 30MHz): Pass

Field Strength of Spurious Emissions							
Peak Value							
Frequency	Measured	Correction	Field	Field	Limit	E-Field	
	Level	Factor	Strength	Strength		Polarity	
MHz	dΒμV	dB/m	dBμV/m	μV/m	$\mu V/m$		
	Emissions detected are more than 20 dB below the FCC Limits						

Result of Tx mode (2462.0 MHz) (802.11b) (1GHz-25GHz): Pass

	Field Strength of Spurious Emissions								
	Peak Value								
Frequency	Measured	Correction	Field	Limit	Margin	E-Field			
	Level @3m	Factor	Strength	@3m		Polarity			
MHz	dΒμV	dB/m	$dB\mu V/m$	$dB\mu V/m$	dB				
4924.0	56.2	0.82	57.0	74.0	17.0	Vertical			
4924.0	56.4	0.52	56.9	74.0	17.1	Horizontal			
7386.0	50.2	7.00	57.2	74.0	16.8	Vertical			
7386.0	50.9	6.50	57.4	74.0	16.6	Horizontal			
9848.0	47.7	8.50	56.2	74.0	17.8	Vertical			
9848.0	47.7	8.30	56.0	74.0	18.0	Horizontal			
12310.0	45.6	10.90	56.5	74.0	17.5	Vertical			
12310.0	45.4	10.80	56.2	74.0	17.8	Horizontal			



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	Field Strength of Spurious Emissions Average Value									
Frequency	Measured	Correction	Field	Limit	Margin	E-Field				
	Level @3m	Factor	Strength	@3m		Polarity				
MHz	dΒμV	dB/m	$dB\mu V/m$	dBμV/m	dB					
4924.0	41.5	0.82	42.3	54.0	11.7	Vertical				
4924.0	41.3	0.52	41.8	54.0	12.2	Horizontal				
7386.0	35.6	7.00	42.6	54.0	11.4	Vertical				
7386.0	34.8	6.50	41.3	54.0	12.7	Horizontal				
9848.0	32.1	8.50	40.6	54.0	13.4	Vertical				
9848.0	33.2	8.30	41.5	54.0	12.5	Horizontal				
12310.0	29.3	10.90	40.2	54.0	13.8	Vertical				
12310.0	30.4	10.80	41.2	54.0	12.8	Horizontal				

Result of Tx mode (2412.0 MHz) (802.11g) (9kHz - 30MHz): Pass

Field Strength of Spurious Emissions							
Peak Value							
Frequency	Measured	Correction	Field	Field	Limit	E-Field	
	Level	Factor	Strength	Strength		Polarity	
MHz	dΒμV	dB/m	dBμV/m	$\mu V/m$	$\mu V/m$		
Emissions detected are more than 20 dB below the FCC Limits							

Result of Tx mode (2412.0 MHz) (802.11g) (1GHz-25GHz): Pass

Result of 1x mode (2412.0 MHz) (802.11g) (1GHz-25GHz): Fass									
	Field Strength of Spurious Emissions								
Peak Value									
Frequency	Measured	Correction	Field	Limit	Margin	E-Field			
	Level @3m	Factor	Strength	@3m		Polarity			
MHz	dΒμV	dB/m	dBμV/m	$dB\mu V/m$	dB				
4824.0	56.8	0.82	57.6	74.0	16.4	Vertical			
4824.0	56.3	0.52	56.8	74.0	17.2	Horizontal			
7236.0	49.2	7.00	56.2	74.0	17.8	Vertical			
7236.0	50.4	6.50	56.9	74.0	17.1	Horizontal			
9648.0	47.4	8.50	55.9	74.0	18.1	Vertical			
9648.0	47.3	8.30	55.6	74.0	18.4	Horizontal			
12060.0	45.3	10.90	56.2	74.0	17.8	Vertical			
12060.0	45.0	10.80	55.8	74.0	18.2	Horizontal			



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	Field Strength of Spurious Emissions Average Value									
Frequency	Measured	Correction	Field	Limit	Margin	E-Field				
	Level @3m	Factor	Strength	@3m		Polarity				
MHz	dΒμV	dB/m	$dB\mu V/m$	dBμV/m	dB					
4824.0	41.9	0.82	42.7	54.0	11.3	Vertical				
4824.0	41.5	0.52	42.0	54.0	12.0	Horizontal				
7236.0	34.1	7.00	41.1	54.0	12.9	Vertical				
7236.0	35.4	6.50	41.9	54.0	12.1	Horizontal				
9648.0	32.0	8.50	40.5	54.0	13.5	Vertical				
9648.0	33.1	8.30	41.4	54.0	12.6	Horizontal				
12060.0	30.6	10.90	41.5	54.0	12.5	Vertical				
12060.0	30.0	10.80	40.8	54.0	13.2	Horizontal				

### Result of Tx mode (2437.0 MHz) (802.11g) (9kHz - 30MHz): Pass

Field Strength of Spurious Emissions								
Peak Value								
Frequency	Measured	Correction	Field	Field	Limit	E-Field		
	Level	Factor	Strength	Strength		Polarity		
MHz	dΒμV	dB/m	dBμV/m	$\mu V/m$	$\mu V/m$			
	Emissions	detected are 1	nore than 20	dB below the	FCC Limits			

Result of Tx mode (2437.0 MHz) (802.11g) (1GHz-25GHz): Pass

	Field Strength of Spurious Emissions								
	Peak Value								
Frequency	Measured	Correction	Field	Limit	Margin	E-Field			
	Level @3m	Factor	Strength	@3m		Polarity			
MHz	dΒμV	dB/m	$dB\mu V/m$	dBμV/m	dB				
4874.0	56.3	0.82	57.1	74.0	16.9	Vertical			
4874.0	57.1	0.52	57.6	74.0	16.4	Horizontal			
7311.0	49.2	7.00	56.2	74.0	17.8	Vertical			
7311.0	50.0	6.50	56.5	74.0	17.5	Horizontal			
9748.0	47.2	8.50	55.7	74.0	18.3	Vertical			
9748.0	47.9	8.30	56.2	74.0	17.8	Horizontal			
12185.0	45.1	10.90	56.0	74.0	18.0	Vertical			
12185.0	45.5	10.80	56.3	74.0	17.7	Horizontal			



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Field Strength of Spurious Emissions Average Value									
Frequency	Measured	Correction	Field	Limit	Margin	E-Field			
	Level @3m	Factor	Strength	@3m	_	Polarity			
MHz	dΒμV	dB/m	$dB\mu V/m$	dBμV/m	dB				
4874.0	41.1	0.82	41.9	54.0	12.1	Vertical			
4874.0	41.6	0.52	42.1	54.0	11.9	Horizontal			
7311.0	34.5	7.00	41.5	54.0	12.5	Vertical			
7311.0	35.2	6.50	41.7	54.0	12.3	Horizontal			
9748.0	31.9	8.50	40.4	54.0	13.6	Vertical			
9748.0	32.0	8.30	40.3	54.0	13.7	Horizontal			
12185.0	30.6	10.90	41.5	54.0	12.5	Vertical			
12185.0	30.6	10.80	41.4	54.0	12.6	Horizontal			

### Result of Tx mode (2462.0 MHz) (802.11g) (9kHz - 30MHz): Pass

Field Strength of Spurious Emissions							
Peak Value							
Frequency	Measured	Correction	Field	Field	Limit	E-Field	
	Level	Factor	Strength	Strength		Polarity	
MHz	dΒμV	dB/m	dBμV/m	μV/m	$\mu V/m$		
	Emissions detected are more than 20 dB below the FCC Limits						

Result of Tx mode (2462.0 MHz) (802.11g) (1GHz-25GHz): Pass

Kesuit of Tx III	Field Strength of Spurious Emissions								
	Peak Value								
Frequency	Measured	Correction	Field	Limit	Margin	E-Field			
	Level @3m	Factor	Strength	@3m		Polarity			
MHz	dΒμV	dB/m	$dB\mu V/m$	$dB\mu V/m$	dB				
4924.0	56.9	0.82	57.7	74.0	16.3	Vertical			
4924.0	57.3	0.52	57.8	74.0	16.2	Horizontal			
7386.0	50.2	7.00	57.2	74.0	16.8	Vertical			
7386.0	50.8	6.50	57.3	74.0	16.7	Horizontal			
9848.0	47.5	8.50	56.0	74.0	18.0	Vertical			
9848.0	46.8	8.30	55.1	74.0	18.9	Horizontal			
12310.0	45.1	10.90	56.0	74.0	18.0	Vertical			
12310.0	45.2	10.80	56.0	74.0	18.0	Horizontal			



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	Field Strength of Spurious Emissions Average Value									
Frequency	Measured	Correction	Field	Limit	Margin	E-Field				
	Level @3m	Factor	Strength	@3m		Polarity				
MHz	dΒμV	dB/m	$dB\mu V/m$	dBμV/m	dB					
4924.0	40.5	0.82	41.3	54.0	12.7	Vertical				
4924.0	40.9	0.52	41.4	54.0	12.6	Horizontal				
7386.0	35.1	7.00	42.1	54.0	11.9	Vertical				
7386.0	35.3	6.50	41.8	54.0	12.2	Horizontal				
9848.0	32.9	8.50	41.4	54.0	12.6	Vertical				
9848.0	32.4	8.30	40.7	54.0	13.3	Horizontal				
12310.0	30.0	10.90	40.9	54.0	13.1	Vertical				
12310.0	31.2	10.80	42.0	54.0	12.0	Horizontal				

Result of Tx mode (2412.0 MHz) (802.11n20) (9kHz - 30MHz): Pass

Field Strength of Spurious Emissions								
Peak Value								
Frequency	Measured	Correction	Field	Field	Limit	E-Field		
	Level	Factor	Strength	Strength		Polarity		
MHz	dΒμV	dB/m	dBμV/m	$\mu V/m$	$\mu V/m$			
	Emissions detected are more than 20 dB below the FCC Limits							

#### Result of Ty mode (2412.0 MHz) (802.11n20) (1GHz-25GHz): Pass

Result of 1x mode (2412.0 MHz) (802.111120) (1GHz-25GHz): Fass									
	Field Strength of Spurious Emissions								
Peak Value									
Frequency	Measured	Correction	Field	Limit	Margin	E-Field			
	Level @3m	Factor	Strength	@3m		Polarity			
MHz	dΒμV	dB/m	$dB\mu V/m$	$dB\mu V/m$	dB				
4824.0	56.6	0.82	57.4	74.0	16.6	Vertical			
4824.0	57.2	0.52	57.7	74.0	16.3	Horizontal			
7236.0	50.3	7.00	57.3	74.0	16.7	Vertical			
7236.0	50.4	6.50	56.9	74.0	17.1	Horizontal			
9648.0	47.2	8.50	55.7	74.0	18.3	Vertical			
9648.0	47.4	8.30	55.7	74.0	18.3	Horizontal			
12060.0	45.2	10.90	56.1	74.0	17.9	Vertical			
12060.0	45.5	10.80	56.3	74.0	17.7	Horizontal			



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	Field Strength of Spurious Emissions Average Value								
Frequency	Measured	Correction	Field	Limit	Margin	E-Field			
	Level @3m	Factor	Strength	@3m		Polarity			
MHz	dΒμV	dB/m	$dB\mu V/m$	dBμV/m	dB				
4824.0	41.1	0.82	41.9	54.0	12.1	Vertical			
4824.0	41.2	0.52	41.7	54.0	12.3	Horizontal			
7236.0	35.6	7.00	42.6	54.0	11.4	Vertical			
7236.0	35.4	6.50	41.9	54.0	12.1	Horizontal			
9648.0	32.0	8.50	40.5	54.0	13.5	Vertical			
9648.0	33.2	8.30	41.5	54.0	12.5	Horizontal			
12060.0	31.1	10.90	42.0	54.0	12.0	Vertical			
12060.0	30.7	10.80	41.5	54.0	12.5	Horizontal			

### Result of Tx mode (2437.0 MHz) (802.11n20) (9kHz - 30MHz): Pass

	Field Strength of Spurious Emissions							
Peak Value								
Frequency	Measured	Correction	Field	Field	Limit	E-Field		
	Level	Factor	Strength	Strength		Polarity		
MHz	dΒμV	dB/m	dBμV/m	$\mu V/m$	$\mu V/m$			
	Emissions	detected are i	nore than 20	dB below the	FCC Limits			

#### Result of Tx mode (2437.0 MHz) (802.11n20) (1GHz-25GHz): Pass

Result of TX III	Field Strength of Spurious Emissions								
	Peak Value								
Frequency	Measured	Correction	Field	Limit	Margin	E-Field			
	Level @3m	Factor	Strength	@3m		Polarity			
MHz	dΒμV	dB/m	$dB\mu V/m$	$dB\mu V/m$	dB				
4874.0	57.1	0.82	57.9	74.0	16.1	Vertical			
4874.0	57.0	0.52	57.5	74.0	16.5	Horizontal			
7311.0	49.8	7.00	56.8	74.0	17.2	Vertical			
7311.0	50.1	6.50	56.6	74.0	17.4	Horizontal			
9748.0	47.1	8.50	55.6	74.0	18.4	Vertical			
9748.0	47.5	8.30	55.8	74.0	18.2	Horizontal			
12185.0	45.2	10.90	56.1	74.0	17.9	Vertical			
12185.0	45.4	10.80	56.2	74.0	17.8	Horizontal			



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	Field Strength of Spurious Emissions Average Value								
Frequency	Measured	Correction	Field	Limit	Margin	E-Field			
	Level @3m	Factor	Strength	@3m	_	Polarity			
MHz	dΒμV	dB/m	$dB\mu V/m$	dBμV/m	dB				
4874.0	41.6	0.82	42.4	54.0	11.6	Vertical			
4874.0	41.7	0.52	42.2	54.0	11.8	Horizontal			
7311.0	34.8	7.00	41.8	54.0	12.2	Vertical			
7311.0	35.6	6.50	42.1	54.0	11.9	Horizontal			
9748.0	33.2	8.50	41.7	54.0	12.3	Vertical			
9748.0	32.4	8.30	40.7	54.0	13.3	Horizontal			
12185.0	30.2	10.90	41.1	54.0	12.9	Vertical			
12185.0	30.9	10.80	41.7	54.0	12.3	Horizontal			

Result of Tx mode (2462.0 MHz) (802.11n20) (9kHz - 30MHz): Pass

Field Strength of Spurious Emissions							
Peak Value							
Frequency	Measured	Correction	Field	Field	Limit	E-Field	
	Level	Factor	Strength	Strength		Polarity	
MHz	dΒμV	dB/m	dBμV/m	$\mu V/m$	$\mu V/m$		
	Emissions	detected are 1	nore than 20	dB below the	FCC Limits		

Result of Tx mode (2462.0 MHz) (802.11n20) (1GHz-25GHz): Pass

	Field Strength of Spurious Emissions								
	Peak Value								
Frequency	Measured	Correction	Field	Limit	Margin	E-Field			
	Level @3m	Factor	Strength	@3m		Polarity			
MHz	dΒμV	dB/m	$dB\mu V/m$	$dB\mu V/m$	dB				
4924.0	56.8	0.82	57.6	74.0	16.4	Vertical			
4924.0	56.7	0.52	57.2	74.0	16.8	Horizontal			
7386.0	49.5	7.00	56.5	74.0	17.5	Vertical			
7386.0	50.2	6.50	56.7	74.0	17.3	Horizontal			
9848.0	47.4	8.50	55.9	74.0	18.1	Vertical			
9848.0	47.6	8.30	55.9	74.0	18.1	Horizontal			
12310.0	45.2	10.90	56.1	74.0	17.9	Vertical			
12310.0	45.2	10.80	56.0	74.0	18.0	Horizontal			



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	Field Strength of Spurious Emissions Average Value									
Frequency	Measured	Correction	Field	Limit	Margin	E-Field				
	Level @3m	Factor	Strength	@3m		Polarity				
MHz	dΒμV	dB/m	$dB\mu V/m$	dBμV/m	dB					
4924.0	40.9	0.82	41.7	54.0	12.3	Vertical				
4924.0	41.5	0.52	42.0	54.0	12.0	Horizontal				
7386.0	33.9	7.00	40.9	54.0	13.1	Vertical				
7386.0	34.8	6.50	41.3	54.0	12.7	Horizontal				
9848.0	31.6	8.50	40.1	54.0	13.9	Vertical				
9848.0	31.9	8.30	40.2	54.0	13.8	Horizontal				
12310.0	31.2	10.90	42.1	54.0	12.0	Vertical				
12310.0	30.7	10.80	41.5	54.0	12.5	Horizontal				

Result of Tx mode (2422.0 MHz) (802.11n40) (9kHz - 30MHz): Pass

Field Strength of Spurious Emissions								
Peak Value								
Frequency	Measured	Correction	Field	Field	Limit	E-Field		
	Level	Factor	Strength	Strength		Polarity		
MHz	dΒμV	dB/m	$dB\mu V/m$	$\mu V/m$	$\mu V/m$			
Emissions detected are more than 20 dB below the FCC Limits								

### Result of Tx mode (2422.0 MHz) (802.11n40) (1GHz-25GHz): Pass

	Field Strength of Spurious Emissions								
	Peak Value								
Frequency	Measured	Correction	Field	Limit	Margin	E-Field			
	Level @3m	Factor	Strength	@3m		Polarity			
MHz	dΒμV	dB/m	$dB\mu V/m$	dBμV/m	dB				
4844.0	56.8	0.82	57.6	74.0	16.4	Vertical			
4844.0	57.2	0.52	57.7	74.0	16.3	Horizontal			
7266.0	50.0	7.00	57.0	74.0	17.0	Vertical			
7266.0	51.1	6.50	57.6	74.0	16.4	Horizontal			
9688.0	46.8	8.50	55.3	74.0	18.7	Vertical			
9688.0	47.6	8.30	55.9	74.0	18.1	Horizontal			
12110.0	45.2	10.90	56.1	74.0	17.9	Vertical			
12110.0	45.6	10.80	56.4	74.0	17.7	Horizontal			



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	Field Strength of Spurious Emissions								
		A	verage Valu	e					
Frequency	Measured	Correction	Field	Limit	Margin	E-Field			
	Level @3m	Factor	Strength	@3m		Polarity			
MHz	dΒμV	dB/m	$dB\mu V/m$	dBμV/m	dB				
4844.0	41.1	0.82	41.9	54.0	12.1	Vertical			
4844.0	40.9	0.52	41.4	54.0	12.6	Horizontal			
7266.0	35.2	7.00	42.2	54.0	11.8	Vertical			
7266.0	35.2	6.50	41.7	54.0	12.3	Horizontal			
9688.0	31.5	8.50	40.0	54.0	14.0	Vertical			
9688.0	32.9	8.30	41.2	54.0	12.8	Horizontal			
12110.0	30.1	10.90	41.0	54.0	13.0	Vertical			
12110.0	30.8	10.80	41.6	54.0	12.4	Horizontal			

### Result of Tx mode (2437.0 MHz) (802.11n40) (9kHz - 30MHz): Pass

	Field Strength of Spurious Emissions							
Peak Value								
Frequency	Measured	Correction	Field	Field	Limit	E-Field		
	Level	Factor	Strength	Strength		Polarity		
MHz	dΒμV	dB/m	dBμV/m	$\mu V/m$	$\mu V/m$			
	Emissions	detected are i	nore than 20	dB below the	FCC Limits			

#### Result of Tx mode (2437.0 MHz) (802.11n40) (1GHz-25GHz): Pass

Result of TX III	Field Strength of Spurious Emissions								
	Peak Value								
Frequency	Measured	Correction	Field	Limit	Margin	E-Field			
	Level @3m	Factor	Strength	@3m		Polarity			
MHz	dΒμV	dB/m	$dB\mu V/m$	$dB\mu V/m$	dB				
4874.0	56.8	0.82	57.6	74.0	16.4	Vertical			
4874.0	56.4	0.52	56.9	74.0	17.1	Horizontal			
7311.0	50.1	7.00	57.1	74.0	16.9	Vertical			
7311.0	50.6	6.50	57.1	74.0	16.9	Horizontal			
9748.0	48.2	8.50	56.7	74.0	17.3	Vertical			
9748.0	48.6	8.30	56.9	74.0	17.1	Horizontal			
12185.0	45.3	10.90	56.2	74.0	17.8	Vertical			
12185.0	45.7	10.80	56.5	74.0	17.5	Horizontal			



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**Field Strength of Spurious Emissions Average Value** E-Field Correction Field Limit Frequency Measured Margin Level @3m @3m Factor Strength Polarity MHz  $dB\mu V$ dB/m dBµV/m dBµV/m dB 4874.0 41.1 0.82 41.9 54.0 12.1 Vertical 4874.0 41.3 0.52 41.8 54.0 12.2 Horizontal 7311.0 35.2 7.00 42.2 54.0 11.8 Vertical 7311.0 35.4 6.50 41.9 54.0 12.1 Horizontal 40.8 9748.0 32.3 8.50 54.0 13.2 Vertical 9748.0 32.4 8.30 40.7 54.0 13.3 Horizontal 12185.0 30.3 10.90 41.2 54.0 12.8 Vertical

41.7

54.0

12.3

Horizontal

#### Result of Tx mode (2452.0 MHz) (802.11n40) (9kHz - 30MHz): Pass

10.80

30.9

12185.0

Field Strength of Spurious Emissions							
Peak Value							
Frequency	Measured	Correction	Field	Field	Limit	E-Field	
	Level	Factor	Strength	Strength		Polarity	
MHz	dΒμV	dB/m	$dB\mu V/m$	$\mu V/m$	$\mu V/m$		
	Emissions detected are more than 20 dB below the FCC Limits						

#### Result of Tx mode (2452.0 MHz) (802.11n40) (1GHz-25GHz): Pass

	Field Strength of Spurious Emissions								
	Peak Value								
Frequency	Measured	Correction	Field	Limit	Margin	E-Field			
	Level @3m	Factor	Strength	@3m		Polarity			
MHz	dΒμV	dB/m	$dB\mu V/m$	$dB\mu V/m$	dB				
4904.0	55.4	0.82	56.2	74.0	17.8	Vertical			
4904.0	56.9	0.52	57.4	74.0	16.6	Horizontal			
7356.0	50.1	7.00	57.1	74.0	16.9	Vertical			
7356.0	49.8	6.50	56.3	74.0	17.7	Horizontal			
9808.0	47.8	8.50	56.3	74.0	17.7	Vertical			
9808.0	47.9	8.30	56.2	74.0	17.8	Horizontal			
12260.0	45.2	10.90	56.1	74.0	17.9	Vertical			
12260.0	45.3	10.80	56.1	74.0	17.9	Horizontal			



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	Field Strength of Spurious Emissions Average Value									
Frequency	Measured	Correction	Field	Limit	Margin	E-Field				
	Level @3m	Factor	Strength	@3m		Polarity				
MHz	dΒμV	dB/m	$dB\mu V/m$	dBμV/m	dB					
4904.0	40.8	0.82	41.6	54.0	12.4	Vertical				
4904.0	41.0	0.52	41.5	54.0	12.5	Horizontal				
7356.0	34.2	7.00	41.2	54.0	12.8	Vertical				
7356.0	35.3	6.50	41.8	54.0	12.2	Horizontal				
9808.0	31.6	8.50	40.1	54.0	13.9	Vertical				
9808.0	33.2	8.30	41.5	54.0	12.5	Horizontal				
12260.0	31.0	10.90	41.9	54.0	12.1	Vertical				
12260.0	30.7	10.80	41.5	54.0	12.5	Horizontal				

#### Remarks:

No additional spurious emissions found between lowest internal used/generated frequency and 30 MHz

\* Denotes restricted band of operation.

Measurements were made using a peak detector. Any emission less than 1000MHz and falling within the restricted bands of FCC Rules Part 15 Section 15.205 and the limits of FCC Rules Part 15 Section 15.209 were applied.

Correction Factor included Antenna Factor and Cable Attenuation.

Calculated measurement (9kHz-30MHz): 2.0dB uncertainty (30MHz -1GHz): 4.9dB (1GHz -26GHz): 4.02dB

Emissions in the vertical and horizontal polarizations have been investigated and the worst-case test results are recorded in this report.



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#### **Radiated Emissions Measurement:**

#### Limit:

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. 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) (see Section 5.205(c)).

#### Result: RF Radiated Emissions (Lowest)-802.11b

Field Strength of Band-edge Compliance								
			Peak Value					
Frequency	Measured	Correction	Field	Limit	Margin	E-Field		
	Level @3m	Factor	Strength	@3m		Polarity		
MHz	dΒμV	dB/m	$dB\mu V/m$	dBμV/m	dB			
2390.0	62.9	-4.8	58.1	74.0	15.9	Vertical		
2390.0	63.1	-4.7	58.4	74.0	15.6	Horizontal		

Field Strength of Band-edge Compliance								
		A	verage Valu	e				
Frequency	Measured	Correction	Field	Limit	Margin	E-Field		
	Level @3m	Factor	Strength	@3m		Polarity		
MHz	dΒμV	dB/m	$dB\mu V/m$	$dB\mu V/m$	dB			
2390.0	51.6	-4.8	46.8	54.0	7.2	Vertical		
2390.0	51.3	-4.7	46.6	54.0	7.4	Horizontal		

### Result: RF Radiated Emissions (Highest) -802.11b

Result: RF Radiated Emissions (Highest) -002.110								
Field Strength of Band-edge Compliance								
Peak Value								
Frequency	Measured	Correction	Field	Limit	Margin	E-Field		
	Level @3m	Factor	Strength	@3m		Polarity		
MHz	dΒμV	dB/m	dBμV/m	$dB\mu V/m$	dB			
2483.5	66.3	-4.8	61.5	74.0	12.5	Vertical		
2483.5	66.0	-4.7	61.3	74.0	12.7	Horizontal		

	Field Strength of Band-edge Compliance							
		A	verage Valu	e				
Frequency	Measured	Correction	Field	Limit	Margin	E-Field		
	Level @3m	Factor	Strength	@3m		Polarity		
MHz	dΒμV	dB/m	$dB\mu V/m$	dBμV/m	dB			
2483.5	54.3	-4.8	49.5	54.0	4.5	Vertical		
2483.5	54.1	-4.7	49.4	54.0	4.6	Horizontal		



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Result: RF Radiated Emissions (Lowest)-802.11g

Result: Ri Radiated Emissions (Lowest)-802.11g								
Field Strength of Band-edge Compliance								
			Peak Value					
Frequency	Measured	Correction	Field	Limit	Margin	E-Field		
	Level @3m	Factor	Strength	@3m		Polarity		
MHz	dΒμV	dB/m	$dB\mu V/m$	$dB\mu V/m$	dB			
2390.0	69.0	-4.8	64.2	74.0	9.8	Vertical		
2390.0	68.5	-4.7	63.8	74.0	10.3	Horizontal		

	Field Strength of Band-edge Compliance							
		A	verage Valu	e				
Frequency	Measured	Correction	Field	Limit	Margin	E-Field		
	Level @3m	Factor	Strength	@3m		Polarity		
MHz	dΒμV	dB/m	$dB\mu V/m$	$dB\mu V/m$	dB			
2390.0	48.5	-4.8	43.7	54.0	10.3	Vertical		
2390.0	48.2	-4.7	43.5	54.0	10.5	Horizontal		

Result: RF Radiated Emissions (Highest) -802.11g

Field Strength of Band-edge Compliance								
Peak Value								
Frequency	Measured	Correction	Field	Limit	Margin	E-Field		
	Level @3m	Factor	Strength	@3m		Polarity		
MHz	dΒμV	dB/m	dBμV/m	$dB\mu V/m$	dB			
2483.5	72.1	-4.8	67.3	74.0	6.7	Vertical		
2483.5	71.9	-4.7	67.2	74.0	6.8	Horizontal		

Field Strength of Band-edge Compliance									
	Average Value								
Frequency	Measured	Correction	Field	Limit	Margin	E-Field			
	Level @3m	Factor	Strength	@3m		Polarity			
MHz	dΒμV	dB/m	$dB\mu V/m$	dBμV/m	dB				
2483.5	52.3	-4.8	47.5	54.0	6.5	Vertical			
2483.5	50.9	-4.7	46.2	54.0	7.8	Horizontal			



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Result: RF Radiated Emissions (Lowest)-802.11n20

Result: Ri Radiated Ellissions (Lowest)-002.111120								
Field Strength of Band-edge Compliance								
Peak Value								
Frequency	Measured	Correction	Field	Limit	Margin	E-Field		
	Level @3m	Factor	Strength	@3m		Polarity		
MHz	dΒμV	dB/m	$dB\mu V/m$	dBμV/m	dB			
2390.0	67.6	-4.8	62.8	74.0	11.2	Horizontal		
2390.0	65.6	-4.7	60.9	74.0	13.1	Horizontal		

Field Strength of Band-edge Compliance									
	Average Value								
Frequency	Measured	Correction	Field	Limit	Margin	E-Field			
	Level @3m	Factor	Strength	@3m		Polarity			
MHz	dΒμV	dB/m	$dB\mu V/m$	$dB\mu V/m$	dB				
2390.0	48.6	-4.8	43.8	54.0	10.2	Vertical			
2390.0	48.1	-4.7	43.4	54.0	10.6	Horizontal			

Result: RF Radiated Emissions (Highest) -802.11n20

Field Strength of Band-edge Compliance								
Peak Value								
Frequency	Measured	Correction	Field	Limit	Margin	E-Field		
	Level @3m	Factor	Strength	@3m		Polarity		
MHz	dΒμV	dB/m	$dB\mu V/m$	$dB\mu V/m$	dB			
2483.5	71.2	-4.8	66.4	74.0	7.6	Vertical		
2483.5	70.7	-4.7	66.0	74.0	8.0	Horizontal		

Field Strength of Band-edge Compliance									
Average Value									
Frequency	Measured	Correction	Field	Limit	Margin	E-Field			
	Level @3m	Factor	Strength	@3m		Polarity			
MHz	dΒμV	dB/m	dBμV/m	dBμV/m	dB				
2483.5	54.6	-4.8	49.8	54.0	4.2	Horizontal			
2483.5	53.2	-4.7	48.5	54.0	5.5	Horizontal			



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### Result: RF Radiated Emissions (Lowest)-802.11n40

11 1100100 2111001010 (20 1100) 002011110								
Field Strength of Band-edge Compliance								
Peak Value								
Frequency	Measured	Correction	Field	Limit	Margin	E-Field		
	Level @3m	Factor	Strength	@3m		Polarity		
MHz	dΒμV	dB/m	$dB\mu V/m$	$dB\mu V/m$	dB			
2390.0	70.2	-4.8	65.4	74.0	8.6	Vertical		
2390.0	70.0	-4.7	65.3	74.0	8.7	Horizontal		

Field Strength of Band-edge Compliance									
	Average Value								
Frequency	Measured	Correction	Field	Limit	Margin	E-Field			
	Level @3m	Factor	Strength	@3m		Polarity			
MHz	dΒμV	dB/m	$dB\mu V/m$	$dB\mu V/m$	dB				
2390.0	50.0	-4.8	45.2	54.0	8.8	Vertical			
2390.0	48.7	-4.7	44.0	54.0	10.0	Horizontal			

### Result: RF Radiated Emissions (Highest) -802.11n40

Field Strength of Band-edge Compliance									
	Peak Value								
Frequency	Measured	Correction	Field	Limit	Margin	E-Field			
	Level @3m	Factor	Strength	@3m		Polarity			
MHz	dΒμV	dB/m	$dB\mu V/m$	dBμV/m	dB				
2483.5	68.6	-4.8	63.8	74.0	10.2	Vertical			
2483.5	67.8	-4.7	63.1	74.0	10.9	Horizontal			

Field Strength of Band-edge Compliance								
Average Value								
Frequency	Measured	Correction	Field	Limit	Margin	E-Field		
	Level @3m	Factor	Strength	@3m		Polarity		
MHz	dΒμV	dB/m	$dB\mu V/m$	$dB\mu V/m$	dB			
2483.5	51.3	-4.8	46.5	54.0	7.5	Horizontal		
2483.5	51.9	-4.7	47.2	54.0	6.8	Horizontal		

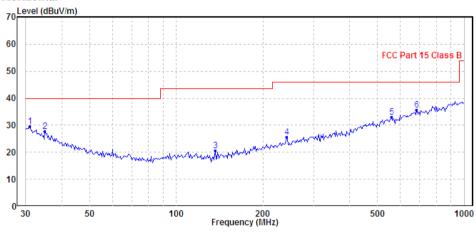


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# Results of WIFI TX mode (30MHz – 1GHz) (model: FDBP-A10BL, 3.7V d.c. battery): Pass: Pass Please refer to the following table for result details (The data is the worst cases)

Horizontal



Ambient Temperature: 25C Relative Humidity : 50%

	Freq	Level		Over Limit	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB		
1	31.071	29.70	40.00	-10.30	QP	Horizontal
2	35.005	27.70	40.00	-12.30	QP	Horizontal
3	136.460	20.72	43.50	-22.78	QP	Horizontal
4	242.525	25.69	46.00	-20.31	QP	Horizontal
5	558.730	33.09	46.00	-12.91	QP	Horizontal
6	684.745	35.71	46.00	-10.29	QP	Horizontal

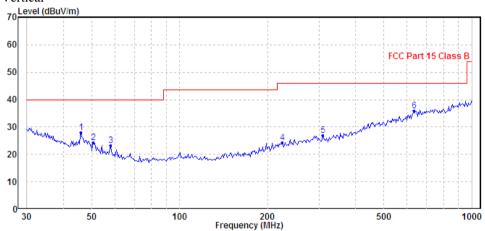


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Results of WIFI TX mode (30MHz - 1GHz) (model: FDBP-A10BL, 3.7V d.c. battery): Pass: Pass

Please refer to the following table for result details (The data is the worst cases)

#### Vertical



Ambient Temperature: 25C Relative Humidity : 50%

	Freq	Level		Over Limit	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB		
1	46.016	27.87	40.00	-12.13	QP	Vertical
2	50.764	24.40	40.00	-15.60	QP	Vertical
3	57.999	23.23	40.00	-16.77	QP	Vertical
4	224.519	24.42	46.00	-21.58	QP	Vertical
	309.998	27.05	46.00	-18.95	QP	Vertical
6	633 907	35 97	46 00	-10 03	OP	Vertical

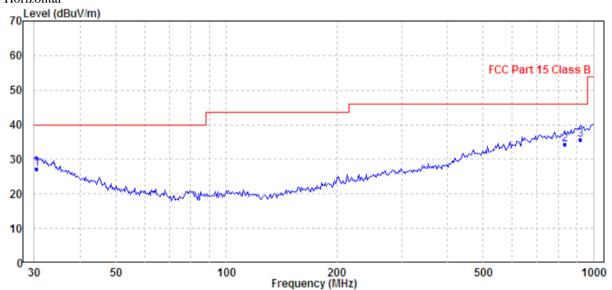


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### Results of WIFI TX mode (30MHz - 1GHz) (model: FDBP-A10, 4.5V AAA\*3 battery): Pass

Please refer to the following table for result details (The data is the worst cases) Horizontal



Ambient Temperature: 25.3°C Relative Humidity: 53.9% Atmospheric Pressure: 100.8kPa

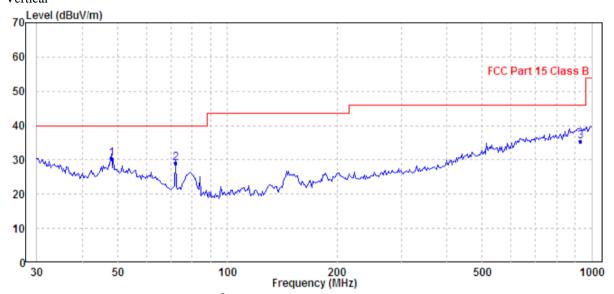
	Freq	Level		Over Limit	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB		
1	30.424	27.29	40.00	-12.71	QP	Horizontal
2	833.317	34.39	46.00	-11.61	QP	Horizontal
3	919.287	35.74	46.00	-10.26	QP	Horizontal



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### Results of WIFI TX mode (30MHz - 1GHz) (model: FDBP-A10, 4.5V AAA\*3 battery): Pass

Please refer to the following table for result details (The data is the worst cases) Vertical



Ambient Temperature: 25.3°C Relative Humidity: 53.9% Atmospheric Pressure: 100.8kPa

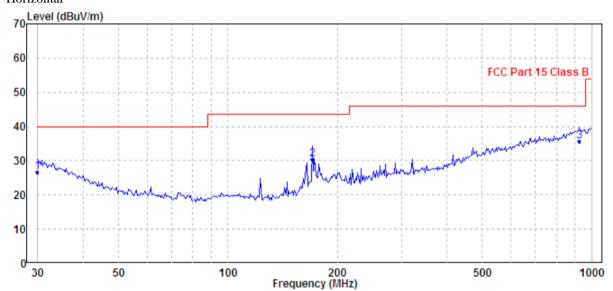
	Freq	Level		Over Limit	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB		
1	47.994	30.50	40.00	-9.50	QP	Vertical
2	72.084	29.01	40.00	-10.99	QP	Vertical
3	932.272	35.28	46.00	-10.72	QP	Vertical



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### Results of WIFI TX mode (30MHz - 1GHz) (model: FDBP-A7BL, 3.7V d.c. battery): Pass

Please refer to the following table for result details (The data is the worst cases) Horizontal



Ambient Temperature : 24.9°C
Relative Humidity : 52.8%
Atmospheric Pressure: 100.8kPa

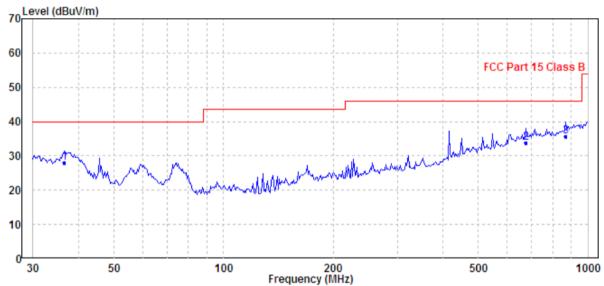
	Freq	Level		Over Limit	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB		
1	30.000	26.81	40.00	-13.19	QP	Horizontal
2	170.793	30.33	43.50	-13.17	QP	Horizontal
3	925.756	35.54	46.00	-10.46	OP	Horizontal



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### Results of WIFI TX mode (30MHz - 1GHz) (model: FDBP-A7BL, 3.7V d.c. battery): Pass

Please refer to the following table for result details (The data is the worst cases) Vertical



Ambient Temperature: 24.9°C Relative Humidity: 52.8% Atmospheric Pressure: 100.8kPa

	Freq	Level		Over Limit	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB		
1	36.509	27.92	40.00	-12.08	QP	Vertical
2	675.208	33.88	46.00	-12.12	QP	Vertical
3	869.130	35.75	46.00	-10.25	OP	Vertical

Remarks: Calculated measurement uncertainty (30MHz - 1GHz): 4.9dB

Emissions in the vertical and horizontal polarizations have been investigated and the worst-case test results are recorded in this report.



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### 3.1.3 AC Mains Conducted Emissions (0.15MHz to 30MHz)

Test Requirement: FCC 47CFR 15.207 Test Method: ANSI C63.10:2013

Test Date: 2022-05-06

Mode of Operation: WIFI TX + Charge mode

Test Voltage: 120Va.c. 60Hz

Ambient Temperature: 25°C Relative Humidity: 51% Atmospheric Pressure: 101 kPa

#### **Test Method:**

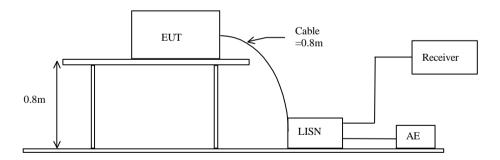
The test was performed in accordance with ANSI ANSI C63.10:2013, with the following: an initial measurement was performed in peak and average detection mode on the live line, any emissions recorded within 30dB of the relevant limit line were re-measured using quasi-peak and average detection on the live and neutral lines with the worst case recorded in the table of results.

#### **Receiver Setting:**

 $Bandw. = 9 \ kHz, \ Meas. \ Time=10.0 \ ms, \ \ Step \ Width = 5.0 kHz$ 

Detector = MaxPeak and CISPR AV

### **Test Setup:**



### **Limits for Conducted Emissions (FCC 47 CFR 15.207):**

Frequency Range	Quasi-Peak Limits	Average	
[MHz]	[dBµV]	[dBµV]	
0.15-0.5	66 to 56*	56 to 46*	
0.5-5.0	56	46	
5.0-30.0	60	50	

<sup>\*</sup> Decreases with the logarithm of the frequency.

#### Remarks:

Calculated measurement uncertainty (0.15MHz - 30MHz): 3.25dB

-\*- Emission(s) that is far below the corresponding limit line.

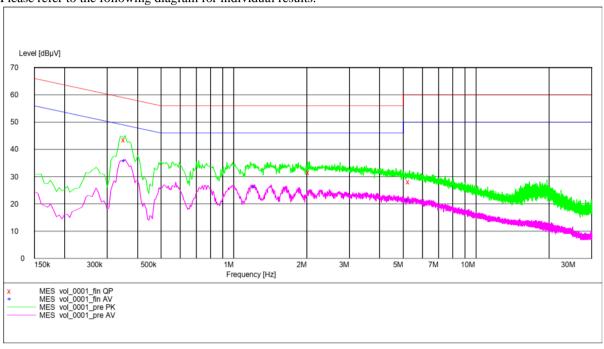


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### Results of WIFI TX mode (connect to adapter) (L): PASS

Please refer to the following diagram for individual results.



#### MEASUREMENT RESULT: "vol\_0001\_fin QP"

					6PM	5/6/2022 4:20
PE	Line	Margin	Limit	Transd	Level	Frequency
		dB	dΒμV	dB	dΒμV	MHz
GND	L1	15.2	58.8	9.7	43.6	0.355000
GND	L1	24.6	56.0	9.8	31.4	2.055000
GND	T.1	32.0	60.0	9.9	28.0	5.310000

#### MEASUREMENT RESULT: "vol\_0001\_fin AV"

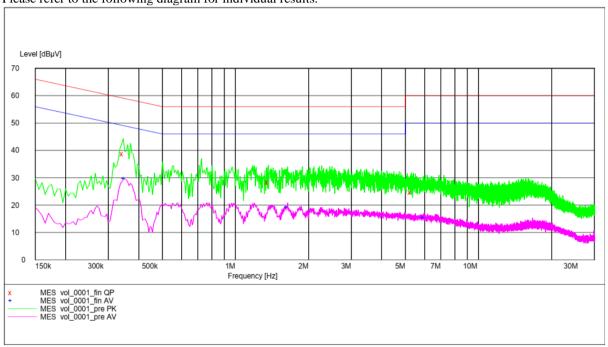
5	/6/2022 4:26						
	Frequency				Margin	Line	PΕ
	MHz	dΒμV	dB	dΒμV	dB		
	0.355000	35.9	9.7	48.8	12.9	L1	GND
	1.220000	26.1	9.7	46.0	19.9	L1	GND
	5.240000	21.3	9.9	50.0	28.7	L1	GND



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### Results of WIFI TX mode(connect to adapter) (N): PASS

Please refer to the following diagram for individual results.



#### MEASUREMENT RESULT: "vol\_0001\_fin QP"

5/6/2022	4:291	PM					
Freque	ency	Level	Transd	Limit	Margin	Line	PΕ
	MHz	dΒμV	dB	dΒμV	dB		
0.34	-000	38.8	0.7	E 0 1	20.3	3.7	CNID
0.34	5000	30.0	9.7	39.1	20.3	IN	GND
1.36	5000	28.2	9.8	56.0	27.8	N	GND
5.30	5000	24.6	9.9	60.0	35.4	N	GND

#### MEASUREMENT RESULT: "vol 0001 fin AV"

5	/6/2022 4:29	9PM					
	Frequency MHz	Level dBµV			_	Line	PE
	0.350000	29.7	9.7	49.0	19.3	N	GND
	1.640000	19.2	9.8	46.0	26.8	N	GND
	5.970000	15.4	9.9	50.0	34.6	N	GND



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#### 3.1.4 Power Spectral Density

Test Requirement: FCC 47CFR 15.247(e)
Test Method: ANSI C63.10:2013

Test Date: 2022-07-15 Mode of Operation: WIFI TX mode

Ambient Temperature: 25°C Relative Humidity: 51% Atmospheric Pressure: 101 kPa

#### **Test Method:**

The RF output of the EUT was connected to the spectrum analyzer. Set the fundamental frequency as the center frequency of the spectral analyzer. Use RBW=100kHz, VBW=300KHz, Set the span to 1.5 times the DTS channel bandwidth. Detector = peak, Sweep time = auto couple , Trace mode = max hold. Measure the Power Spectral Density (PSD) and record the results in dBm.

#### **Test Setup:**

As Test Setup of clause 3.1.1 in this test report.

#### **Test Limit:**

The maximum power spectral density (PSD) shall not exceeded 8dBm in any 3kHz band.

Scale the observed power level to an equivalent value in 3 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where BWCF=10log (3 kHz/100 kHz=-15.2dB)



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# Results of WIFI TX Mode 802.11 b (Tx:2412MHz to 2462MHz): Pass (TX Unit) Maximum power spectral density

Transmitter Frequency	Maximum Power spectral density	Maximum Power spectral density /
(MHz)	level / 3kHz band	3kHz band limit
	(dBm)	
2412.0	-10.125	8dBm
2437.0	-10.414	8dBm
2462.0	-9.810	8dBm

# Results of WIFI TX Mode 802.11 g (Tx:2412MHz to 2462MHz): Pass (TX Unit) Maximum power spectral density

Transmitter Frequency	Maximum Power spectral density	Maximum Power spectral density /
(MHz)	level / 3kHz band	3kHz band limit
	(dBm)	
2412.0	-13.110	8dBm
2437.0	-12.061	8dBm
2462.0	-11.728	8dBm

# Results of WIFI TX Mode 802.11 n20 (Tx:2412MHz to 2462MHz): Pass (TX Unit) Maximum power spectral density

Transmitter Frequency	Maximum Power spectral density	Maximum Power spectral density /
(MHz)	level / 3kHz band	3kHz band limit
	(dBm)	
2412.0	-14.792	8dBm
2437.0	-15.215	8dBm
2462.0	-14.550	8dBm

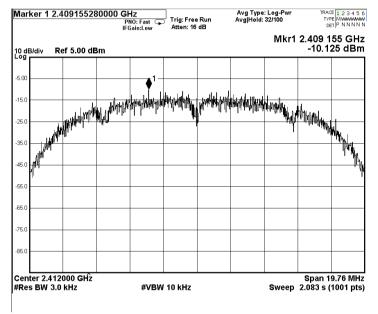
# Results of WIFI TX Mode 802.11 n40 (Tx:2422MHz to 2422MHz): Pass (TX Unit) Maximum power spectral density

Transmitter Frequency (MHz)	Maximum Power spectral density level / 3kHz band	Maximum Power spectral density / 3kHz band limit
	(dBm)	
2422.0	-16.999	8dBm
2437.0	-17.105	8dBm
2452.0	-18.885	8dBm

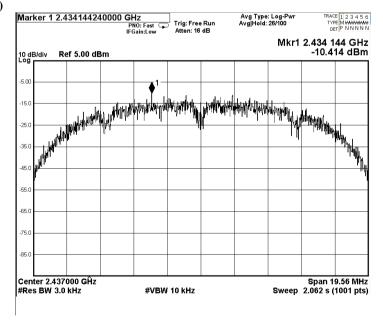


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WiFi mode 802.11 b CH 1 (2412.0 MHz)



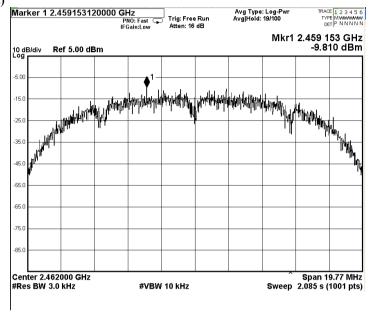
CH 6 (2437.0 MHz)



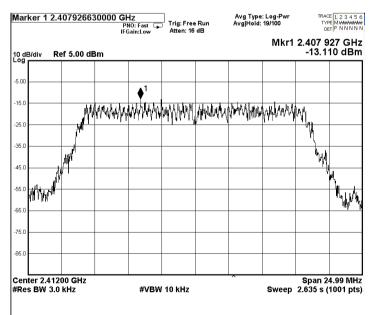


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CH 11 (2462.0 MHz)



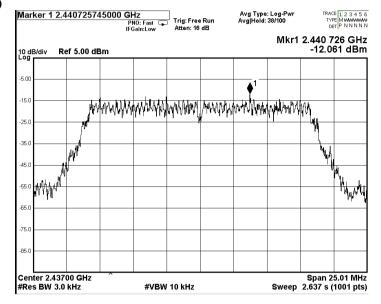
WiFi mode 802.11 g CH 1 (2412.0 MHz)



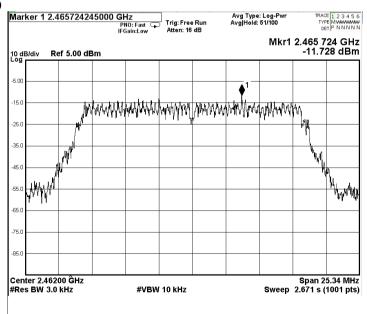


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CH 6 (2437.0 MHz)



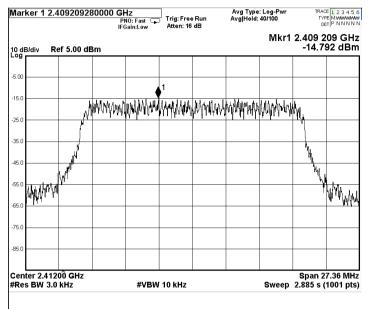
#### CH 11 (2462.0 MHz)



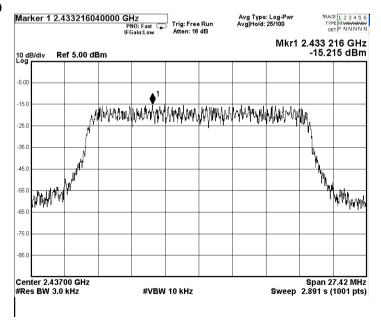


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WiFi mode 802.11 n20 CH 1 (2412.0 MHz)



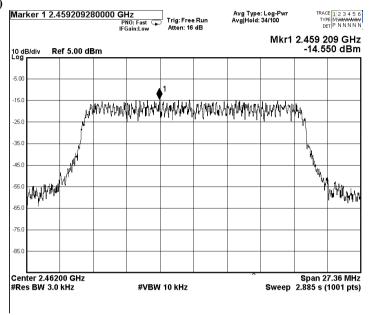
CH 6 (2437.0 MHz)



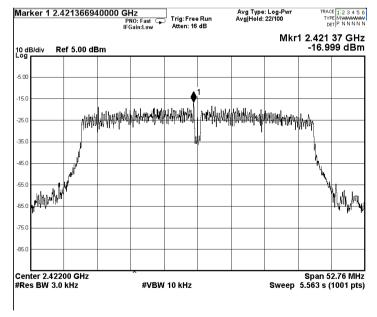


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CH 11 (2462.0 MHz)



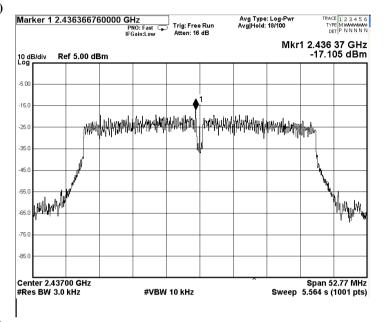
WiFi mode 802.11 n40 CH 3 (2422.0 MHz)



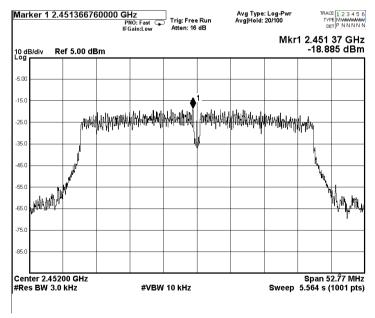


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CH 6 (2437.0 MHz)



CH 9 (2452.0 MHz)





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#### 3.1.5 6dB Spectrum Bandwidth Measurement

Test Requirement: FCC 47CFR 15.247(a)(2)
Test Method: ANSI C63.10:2013
Test Date: 2022-07-18
Mode of Operation: WIFI TX mode

Ambient Temperature: 25°C Relative Humidity: 51% Atmospheric Pressure: 101 kPa

#### **Test Method:**

The bandwidth is measured at an amplitude level reduced from the reference level by a specified ratio. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst-case (i.e. the widest) bandwidth.

#### **Spectrum Analyzer Setting:**

RBW = 100kHz, VBW ≥ 3\*RBW, Sweep = Auto couple Detector = Peak, Trace = Max. hold

#### **Test Setup:**

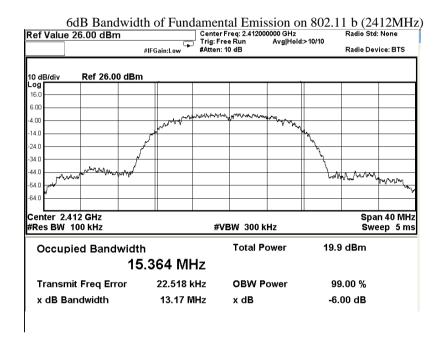
As Test Setup of clause 3.1.1 in this test report.



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Center Frequency	6dB Bandwidth	FCC Limits
[MHz]	[MHz]	[kHz]
2412.0	13.17	> 500

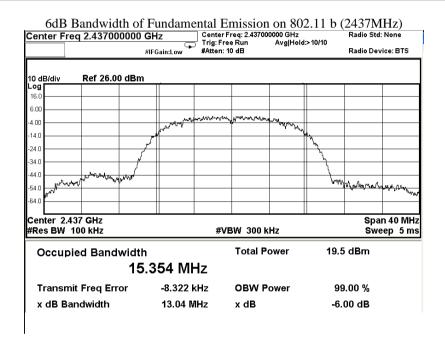




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No. : HMD22040020

Frequency Range	6dB Bandwidth	FCC Limits
[MHz]	[MHz]	[kHz]
2437.0	13.04	> 500

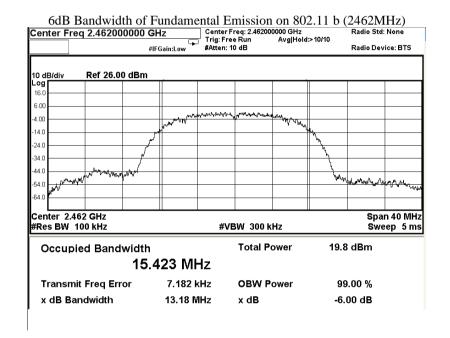




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Frequency Range	6dB Bandwidth	FCC Limits
[MHz]	[MHz]	[kHz]
2462.0	13.18	> 500

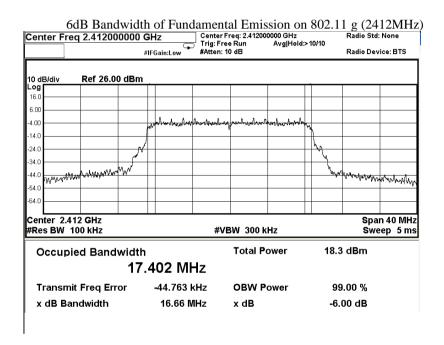




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Center Frequency	6dB Bandwidth	FCC Limits
[MHz]	[MHz]	[kHz]
2412.0	16.66	> 500

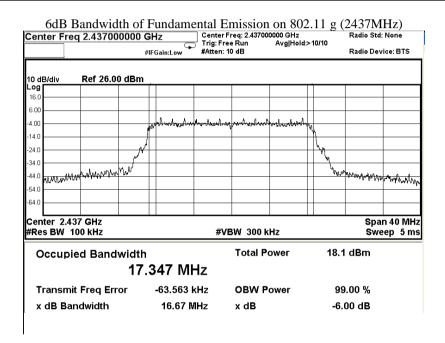




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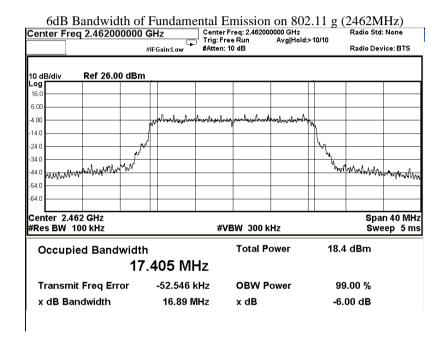
Frequency Range [MHz]	6dB Bandwidth [MHz]	FCC Limits [kHz]
2437.0	16.67	> 500





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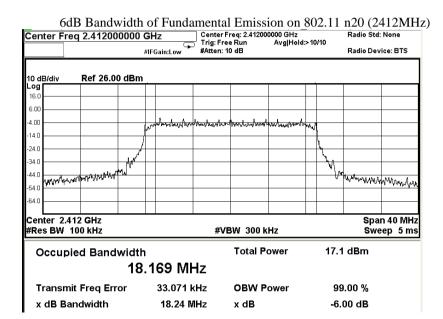
Frequency Range [MHz]	6dB Bandwidth [MHz]	FCC Limits [kHz]
2462.0	16.89	> 500





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Center Frequency [MHz]	6dB Bandwidth [MHz]	FCC Limits [kHz]
2412.0	18.24	> 500

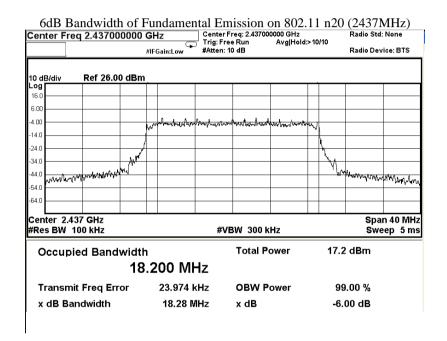




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Frequency Range [MHz]	6dB Bandwidth [MHz]	FCC Limits [kHz]
2437.0	18.28	> 500

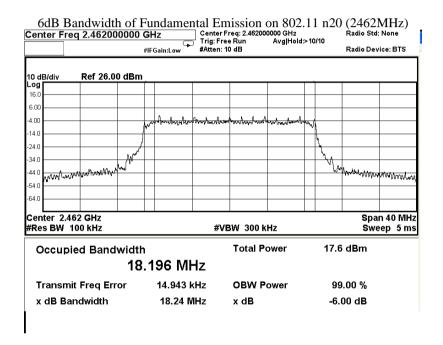




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Frequency Range	6dB Bandwidth	FCC Limits
[MHz]	[MHz]	[kHz]
2462.0	18.24	> 500

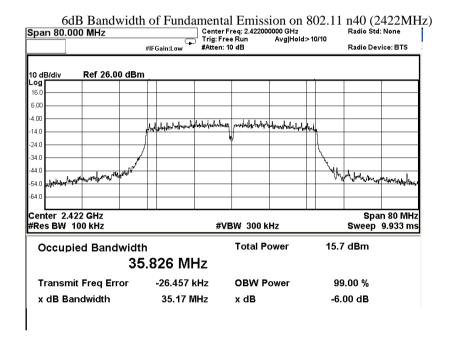




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Center Frequency [MHz]	6dB Bandwidth [MHz]	FCC Limits [kHz]
2422.0	35.17	> 500

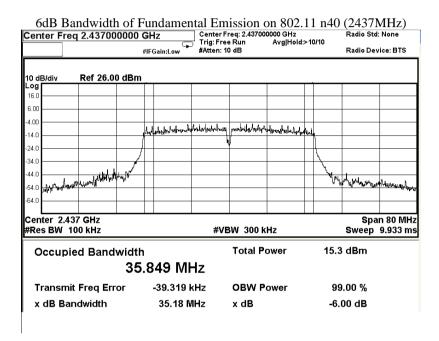




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No. : HMD22040020

Frequency Range	6dB Bandwidth	FCC Limits
[MHz]	[MHz]	[kHz]
2437.0	35.18	> 500

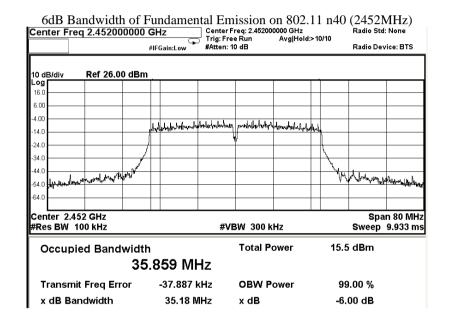




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Frequency Range [MHz]	6dB Bandwidth [MHz]	FCC Limits [kHz]
2452.0	35.18	> 500





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#### 3.1.6 Band Edges Measurement

Test Requirement: FCC 47CFR 15.247
Test Method: ANSI C63.10:2013

Test Date: 2022-07-19 Mode of Operation: WIFI TX mode

Ambient Temperature: 25°C Relative Humidity: 51% Atmospheric Pressure: 101 kPa

#### **Test Method:**

The band edge is measured at an amplitude level reduced from the reference level by a specified ratio. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. The RBW are set to 100kHz and VBW are set to 300kHz for this measurement.

#### **Test Setup:**

As Test Setup of clause 3.1.2 in this test report.



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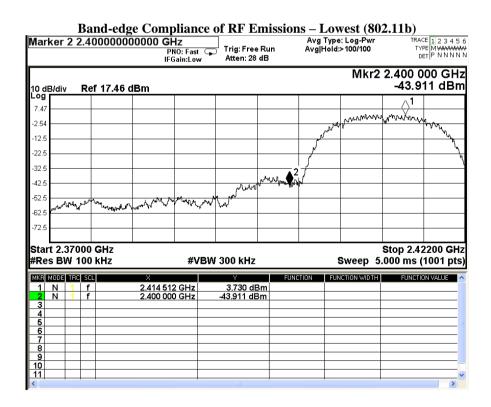
#### **Band-edge Compliance of RF Conducted Emissions Measurement:**

#### Limit:

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. Attenuation below the general limits specified in Section 15.209(a) is not required.

Remark: The worst-case measurement results were recorded in the test report The following plots include cable losses: 0.3dB (There is no Attenuator)

Frequency Range	Reference level	Limit	The highest conducted band edge emission	Result
[MHz]	[dBm]	[dBm]	[dBm]	
2400 – Lowest Fundamental (2412)	3.730	-16.270	-43.911	Pass



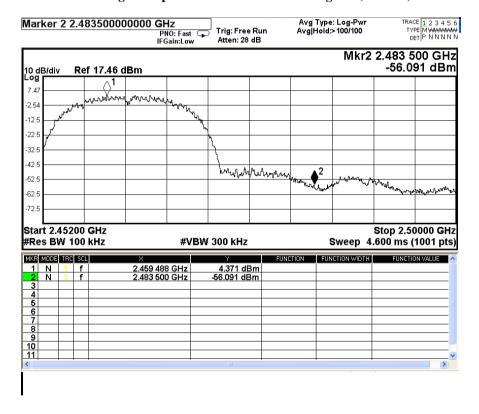


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#### **Band-edge Compliance of RF Conducted Emissions Measurement:**

Frequency Range	Reference level	Limit	The highest conducted band edge emission	Result
[MHz]	[dBm]	[dBm]	[dBm]	
2483.5 – Highest Fundamental (2462)	4.371	-15.629	-56.091	Pass

#### Band-edge Compliance of RF Emissions – Highest (802.11b)

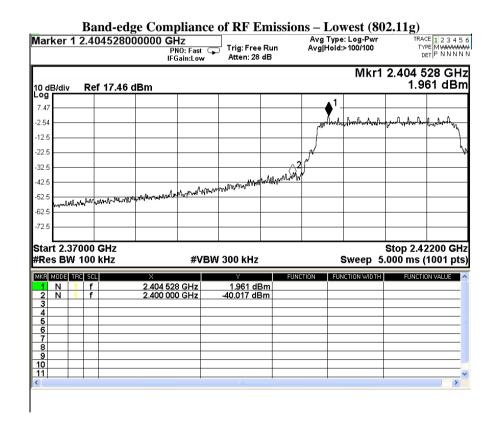




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### **Band-edge Compliance of RF Conducted Emissions Measurement:**

Frequency Range	Reference level	Limit	The highest	Result
			conducted band	
			edge emission	
[MHz]	[dBm]	[dBm]	[dBm]	
2400 – Lowest Fundamental (2412)	1.961	-18.039	-40.017	Pass



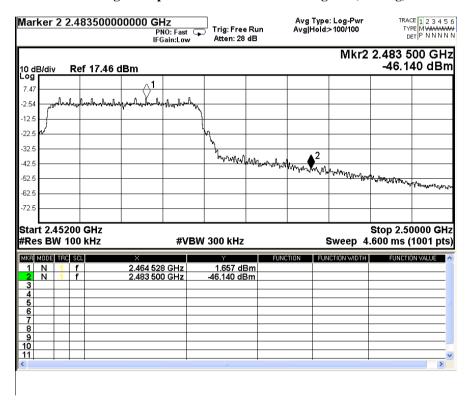


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#### **Band-edge Compliance of RF Conducted Emissions Measurement:**

Frequency Range	Reference level	Limit	The highest conducted band edge emission	Result
[MHz]	[dBm]	[dBm]	[dBm]	
2483.5 – Highest Fundamental (2462)	1.657	-18.343	-46.140	Pass

#### Band-edge Compliance of RF Emissions – Highest (802.11g)



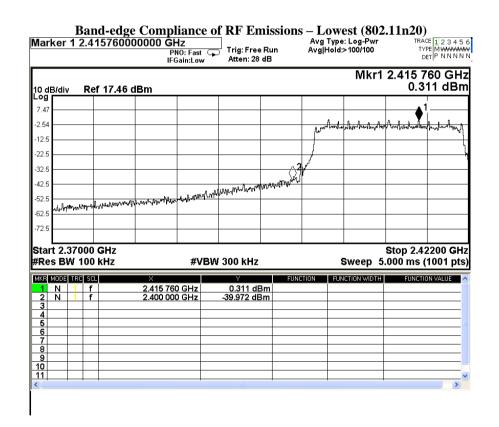


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#### **Band-edge Compliance of RF Conducted Emissions Measurement:**

Frequency Range	Reference level	Limit	The highest	Result
			conducted band	
			edge emission	
[MHz]	[dBm]	[dBm]	[dBm]	
2400 – Lowest Fundamental (2412)	0.311	-19.689	-39.972	Pass



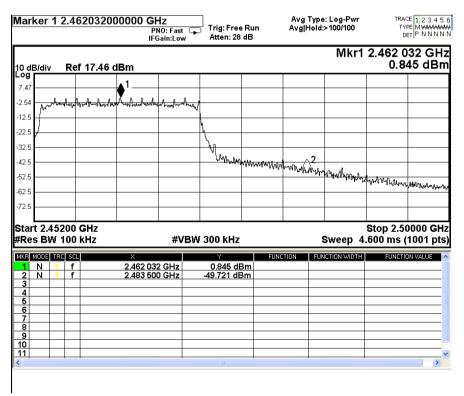


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### **Band-edge Compliance of RF Conducted Emissions Measurement:**

Frequency Range	Reference level	Limit	The highest	Result
			conducted band	
			edge emission	
[MHz]	[dBm]	[dBm]	[dBm]	
2483.5 – Highest Fundamental (2462)	0.845	-19.155	-49.721	Pass

### Band-edge Compliance of RF Emissions – Highest (802.11n20)

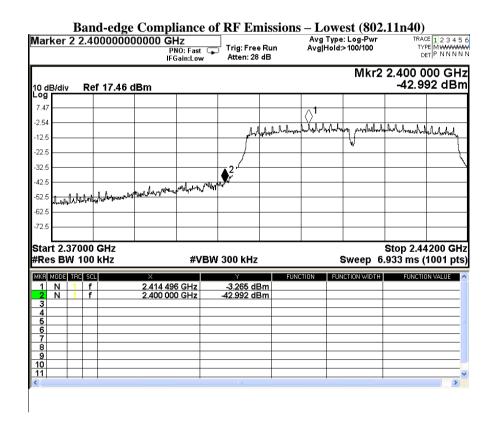




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### **Band-edge Compliance of RF Conducted Emissions Measurement:**

Frequency Range	Reference level	Limit	The highest	Result
			conducted band	
			edge emission	
[MHz]	[dBm]	[dBm]	[dBm]	
2400 – Lowest Fundamental (2422)	-3.265	-23.265	-42.992	Pass

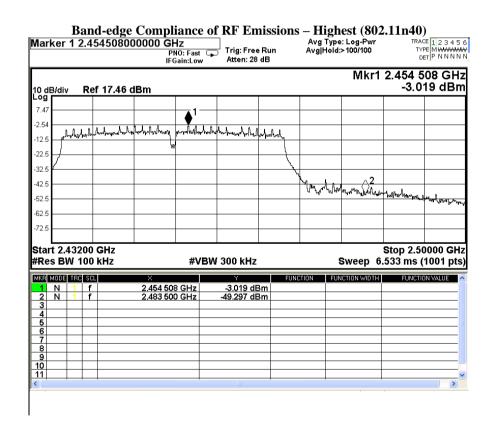




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### Band-edge Compliance of RF Conducted Emissions Measurement:

Frequency Range	Reference level	Limit	The highest conducted band edge emission	Result
[MHz]	[dBm]	[dBm]	[dBm]	
2483.5 – Highest Fundamental (2452)	-3.019	-23.019	-49.297	Pass





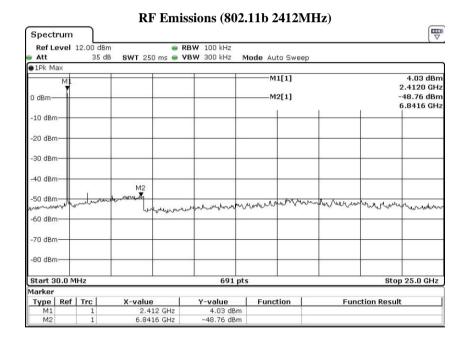
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#### **RF Conducted Emissions Measurement:**

#### Limit:

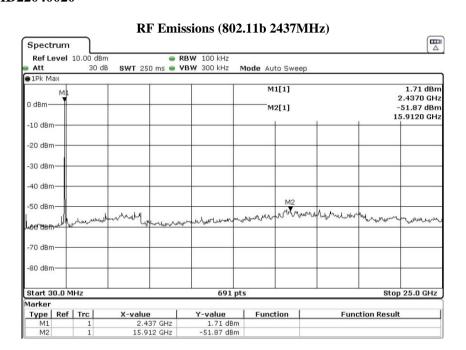
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required.

Remark: The worst-case measurement results were recorded in the test report The following plots include cable losses :0.3dB (There is no Attenuator)





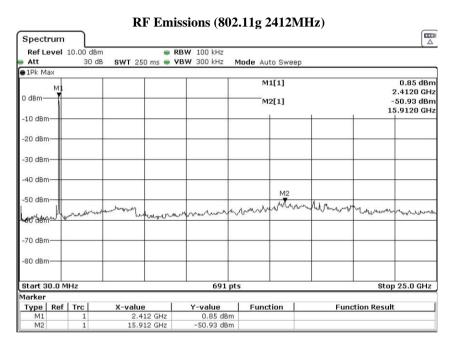
Date : 2022-08-05 Page 69 of 80 No. : HMD22040020

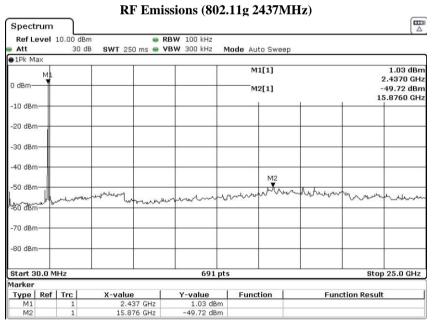


#### **RF Emissions (802.11b 2462MHz)** Spectrum Ref Level 10.00 dBm RBW 100 kHz SWT 250 ms . VBW 300 kHz Mode Auto Sweep M1[1] 3.11 dBm M2[1] -51.52 dBm -10 dBm -20 dBm 30 dBm 40 dBm 50 dBn 70 dBr -80 dBm Start 30.0 MHz Stop 25.0 GHz Function Type | Ref | Trc | X-value Y-value **Function Result** 2.462 GHz 15.912 GHz 3.11 dBm -51.52 dBm M1 M2



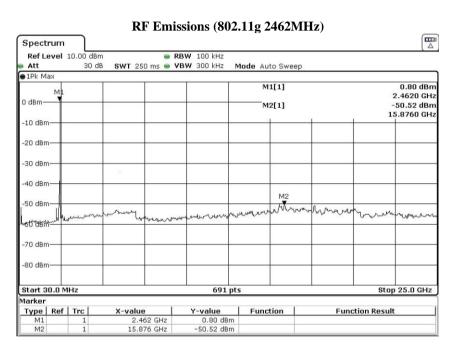
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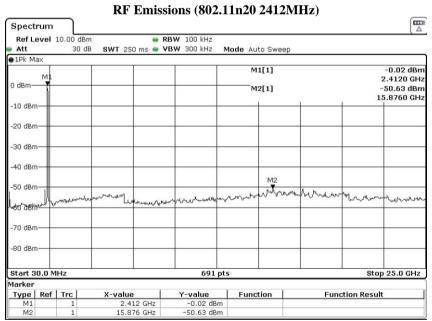






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#### **RF Emissions (802.11n20 2437MHz)** Spectrum Ref Level 10.00 dBm RBW 100 kHz 30 dB SWT 250 ms - VBW 300 kHz Mode Auto Sweep ● 1Pk Ma: -0.91 dBm M1[1] 2.4370 GHz 0 dBm M2[1] -50.93 dBm 15.8760 GHz -10 dBm -20 dBm -30 dBm 40 dBm -50 dBm -70 dBm -80 dBm-Start 30.0 MHz 691 pts Stop 25.0 GHz

Y-value

-0.91 dBm -50.93 dBm Function

**Function Result** 

Marker

 Type
 Ref
 Trc

 M1
 1

 M2
 1

X-value

2.437 GHz 15.876 GHz

#### **RF Emissions (802.11n20 2462MHz)** Spectrum Ref Level 10.00 dBm RBW 100 kHz Att SWT 250 ms . VBW 300 kHz Mode Auto Sweep ● 1Pk Max -0.28 dBm M1[1] M2[1] -50.33 dBm -10 dBm -20 dBm 30 dBm 40 dBm 50 dBm Mohhum 70 dBr -80 dBm Start 30.0 MHz 691 pts Stop 25.0 GHz -value 2.462 GHz 15.876 GHz **Y-value** -0.28 dBm -50.33 dBm Type Ref | Trc Function Function Result



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#### **RF Emissions (802.11n40 2422MHz)** Spectrum Ref Level 10.00 dBm RBW 100 kHz Att 30 dB SWT 250 ms - VBW 300 kHz Mode Auto Sweep ●1Pk Ma -4.29 dBm M1[1] 2.4220 GHz 0 dBm M2[1] -50.96 dBm 15.8760 GH 10 dBm -20 dBm 30 dBm 40 dBm -50 dBr 70 dBm Start 30.0 MHz 691 pts Stop 25.0 GHz Marker X-value Y-value Function **Function Result** 2.422 GHz 15.876 GHz -4.29 dBm -50.96 dBm

#### RF Emissions (802.11n40 2437MHz) Spectrum Ref Level 10.00 dBm RBW 100 kHz Att 30 dB SWT 250 ms - VBW 300 kHz Mode Auto Sweep ● 1Pk Max M1[1] -3.74 dBm 2.4370 GHz M2[1] -50.36 dBm 15.8760 GH -10 dBm -20 dBm 30 dBn 40 dBm 50 dBm turny -70 dBm Start 30.0 MHz 691 pts Stop 25.0 GHz Marker Function Type | Ref | Trc | **Function Result** X-value Y-value 2.437 GHz 15.876 GHz -3.74 dBm -50.36 dBm



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#### **RF Emissions (802.11n40 2452MHz)** Spectrum RBW 100 kHz Ref Level 10.00 dBm SWT 250 ms - VBW 300 kHz Mode Auto Sweep ●1Pk Ma: M1[1] -3.67 dBm 0 dBm -50.52 dBm 15.8760 GHz M2[1] -10 dBm -20 dBm 40 dBm M2 -50 dBm -70 dBm -80 dBm Start 30.0 MHz 691 pts Stop 25.0 GHz Marker Type Ref Trc M1 1 M2 1 X-value 2.452 GHz 15.876 GHz Y-value -3.67 dBm -50.52 dBm Function **Function Result**



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#### 3.1.7 Antenna Requirement

Ambient Temperature: 25°C Relative Humidity: 51% Atmospheric Pressure: 101 kPa

**Test Requirements: § 15.203** 

#### **Test Specification:**

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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

#### **Test Results:**

This is PCB antenna. There is no external antenna, the antenna gain = 0dBi. User is unable to remove or changed the Antenna.



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### Appendix A

### **List of Measurement Equipment**

#### **Radiated Emission**

EQP NO.	DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	LAST CAL	DUE CAL
EM215	MULTIDEVICE CONTROLLER	EMCO	2090	00024676	N/A	N/A
EM217	ELECTRIC POWERED TURNTABLE	EMCO	2088	00029144	N/A	N/A
EM218	ANECHOIC CHAMBER	ETS-LINDGREN	FACT-3		2019/04/16	2024/04/16
EM356	ANTENNA POSITIONING TOWER	ETS-LINDGREN	2171B	00150346	N/A	N/A
EM293	SPECTRUM ANALYZER	AGILENT TECHNOLOGIES	N9020A	MY50510152	2020/11/25	2022/11/25
EM299	BROADBAND HORN ANTENNA	ETS-LINDGREN	3115	00114120	2020/11/24	2022/11/24
EM300	PYRAMIDAL STANDARD GAIN HORN ANTENNA	ETS-LINDGREN	3160-09	00130130	2020/11/25	2022/11/25
EM301	PYRAMIDAL STANDARD GAIN HORN ANTENNA	ETS-LINDGREN	3160-10	00130988	2020/11/25	2022/11/25
EM353	LOOP ANTENNA	ETS_LINDGREN	6502	00206533	2020/06/10	2022/09/10
EM355	Biconilog Antenna	ETS-Lindgren	3143B	00094856	2020/06/17	2022/09/17
EM200	DUAL CHANNEL POWER METER	R & S	NRVD	100592	2019/10/11	2022/10/11
EM012	PRE-AMPLIFIER	HP	HP8448B	3008A00262	2019/11/08	2022/11/08
EM215	MULTIDEVICE CONTROLLER	EMCO	2090	00024676	N/A	N/A

#### **Line Conducted**

EQP NO.	DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	LAST CAL	DUE CAL
EM232	LISN	SCHAFFNER	NNB41	04/100082	2021/07/20	2022/07/20
EM181	EMI TEST RECEIVER	ROHDE & SCHWARZ	ESIB7	100072	2022/05/30	2023/05/30
EM233	PULSE LIMITER	ROHDE & SCHWARZ	ESH3-Z2	100314	2021/01/18	2023/01/18
EM154	SHIELDING ROOM	SIEMENS MATSUSHITA COMPONENTS	N/A	803-740-057- 99A	2022/02/02	2027/02/02
N/A	MEASUREMENT AND EVALUATION SOFTWARE	ROHDE & SCHWARZ	BSIB-K1	V1.20	N/A	N/A

#### Remarks: -

CM Corrective Maintenance

N/A Not Applicable
TBD To Be Determined



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### Appendix B

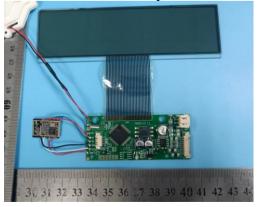
### **Photographs of EUT**



**Inner Circuit Top View** 



**Inner Circuit Top View** 



View of the product



**Inner Circuit Bottom View** 



**Inner Circuit Bottom View** 



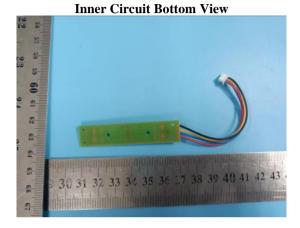


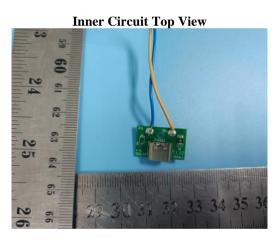
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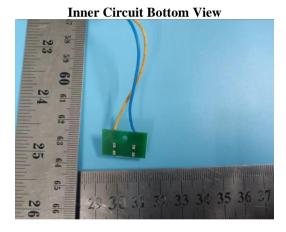
### **Photographs of EUT**

**Inner Circuit Top View** 









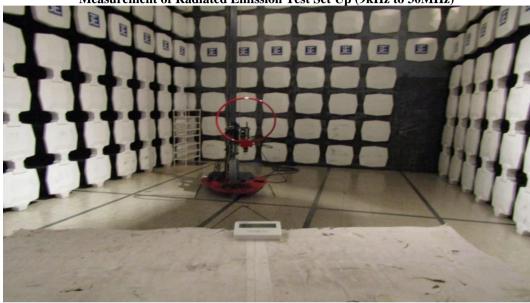
For Conditions of Issuance of this test report, please refer to "Conditions of Issuance of Test Reports" section or Website.



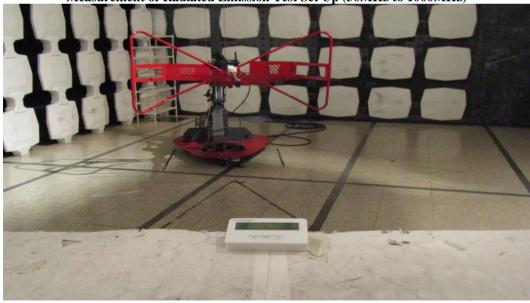
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### Photographs of EUT

Measurement of Radiated Emission Test Set Up (9kHz to 30MHz)



Measurement of Radiated Emission Test Set Up (30MHz to 1000MHz)





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**Photographs of EUT** 

Measurement of Radiated Emission Test Set Up (Above 1000MHz)



**Measurement of Conducted Emission Test Set Up** 



\*\*\*\*\* End of Test Report \*\*\*\*\*

### **Conditions of Issuance of Test Reports**

- 1. All samples and goods are accepted by The Hong Kong Standards & Testing Centre Limited (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The Company provides its services on the basis that such terms and conditions constitute express agreement between the Company and any person, firm or company requesting its services (the "Clients").
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- 3. The Company shall be at liberty to disclose the testing-related documents and/or files anytime to any third-party accreditation and/or recognition bodies for audit or other related purposes. No liabilities whatsoever shall attach to the Company's act of disclosure.
- 4. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
- 5. The results in Report apply only to the sample as received and do not apply to the bulk, unless the sampling has been carried out by the Company and is stated as such in the Report.
- 6. When a statement of conformity to a specification or standard is provided, the ILAC-G8 Guidance document (and/or IEC Guide 115 in the electrotechnical sector) will be adopted as a decision rule for the determination of conformity unless it is inherent in the requested specification or standard, or otherwise specified in the Report.
- 7. In the event of the improper use the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
- 8. Sample submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
- 9. The Company will not be liable for or accept responsibility for any loss or damage howsoever arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
- 10. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
- 11. Subject to the variable length of retention time for test data and report stored hereinto as to otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of this test report for a period of three years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after the retention period. Under no circumstances shall we be liable for damages of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.
- 12. Issuance records of the Report are available on the internet at www.stc.group. Further enquiry of validity or verification of the Reports should be addressed to the Company.