

FCC C2PC Test Report

FCC ID : KQL-RM024

Equipment : 2.4GHz FHSS Wireless Module

Model No. : RM024

Brand Name : Laird

Applicant : Laird Connectivity

Address : W66N220 Commerce Court, Cedarburg,

Wisconsin 53012, USA

Standard : 47 CFR FCC Part 15.247

Received Date : Mar. 04, 2020

Tested Date : Mar. 05 ~ Mar. 10, 2020

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by: Approved by:

Along Chen / Assistant Manager Gary Chang / Manager

Testing Laboratory

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Release Record

Report No.	Version	Description	Issued Date
FR822301-03	Rev. 01	Initial issue	Apr. 23, 2020

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Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	Conducted Emissions	[dBuV]: 0.192MHz 51.42 (Margin -12.51dB) - AV	Pass
15.247(d) 15.209	Radiated Emissions	[dBuV/m at 3m]: 838.98MHz 42.22 (Margin -3.78dB) - PK	Pass

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

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1 General Description

1.1 Information

This is a Class II Permissive Change report (C2PC). The modification is adding a new antenna

1.1.1 Specification of the Equipment under Test (EUT)

RF General Information					
Frequency Range (MHz)	Modulation	Ch. Freq. (MHz)	Channel Number	Data Rate	
2400-2483.5	FHSS	2400.7-2470.9	1-79 [79]	280 kbps	

1.1.2 Antenna Details

Ant. No.	Model	Туре	Gain (dBi)	Connector
1	Laird/001-0014	FlexPIFA	2	U.FL

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	3Vdc from host
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1.1.4 Accessories

N/A

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1.1.5 Channel List

Frequency	/ band (MHz)		2400~2	483.5	
Channel	Frequency(MHz)	Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	2400.700	28	2425.000	55	2449.300
2	2401.600	29	2425.900	56	2450.200
3	2402.500	30	2426.800	57	2451.100
4	2403.400	31	2427.700	58	2452.000
5	2404.300	32	2428.600	59	2452.900
6	2405.200	33	2429.500	60	2453.800
7	2406.100	34	2430.400	61	2454.700
8	2407.000	35	2431.300	62	2455.600
9	2407.900	36	2432.200	63	2456.500
10	2408.800	37	2433.100	64	2457.400
11	2409.700	38	2434.000	65	2458.300
12	2410.600	39	2434.900	66	2459.200
13	2411.500	40	2435.800	67	2460.100
14	2412.400	41	2436.700	68	2461.000
15	2413.300	42	2437.600	69	2461.900
16	2414.200	43	2438.500	70	2462.800
17	2415.100	44	2439.400	71	2463.700
18	2416.000	45	2440.300	72	2464.600
19	2416.900	46	2441.200	73	2465.500
20	2417.800	47	2442.100	74	2466.400
21	2418.700	48	2443.000	75	2467.300
22	2419.600	49	2443.900	76	2468.200
23	2420.500	50	2444.800	77	2469.100
24	2421.400	51	2445.700	78	2470.000
25	2422.300	52	2446.600	79	2470.900
26	2423.200	53	2447.500		
27	2424.100	54	2448.400		

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1.1.6 Test Tool and Duty Cycle

Test Tool	Laird Technologies Config, V6.01		
Duty Cycle and Duty Factor	Duty Cycle (%)	Duty Factor (dB)	
Duty Cycle and Duty Factor	18.06	14.86	

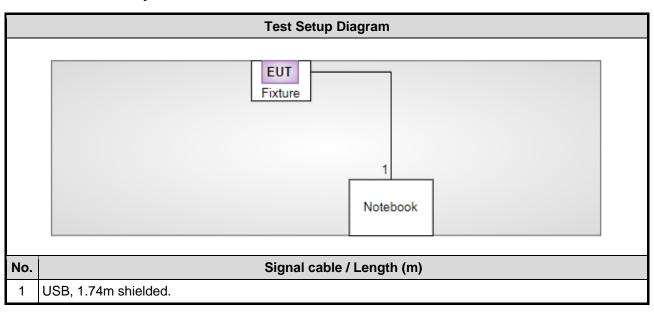
1.1.7 Duty Cycle of Normal Operation

Duty Cycle and Duty Factor	Duty Cycle (%)	Duty Factor (dB)
Duty Cycle and Duty Factor	9.4783	20.47

1.2 Local Support Equipment List

	Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks	
1	Notebook	DELL	Latitude E6430	DoC		
2	Fixture				Provided by applicant.	

1.3 Test Setup Chart



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1.4 The Equipment List

Conducted Emission					
Conduction room 1 / (Conduction room 1 / (CO01-WS)				
Manufacturer	Manufacturer Model No. Serial No. Calibration Date Calibration Until				
R&S	ESR3	101658	Dec. 12, 2019	Dec. 11, 2020	
R&S	ENV216	100003	Sep. 23, 2019	Sep. 22, 2020	
Woken	CFD200-NL	CFD200-NL-001	Oct. 22, 2019	Oct. 21, 2020	
AUDIX	e3	6.120210k	NA	NA	
	Conduction room 1 / (Manufacturer R&S R&S Woken	Conduction room 1 / (CO01-WS) Manufacturer Model No. R&S ESR3 R&S ENV216 Woken CFD200-NL	Manufacturer Model No. Serial No. R&S ESR3 101658 R&S ENV216 100003 Woken CFD200-NL CFD200-NL-001	Manufacturer Model No. Serial No. Calibration Date R&S ESR3 101658 Dec. 12, 2019 R&S ENV216 100003 Sep. 23, 2019 Woken CFD200-NL CFD200-NL-001 Oct. 22, 2019	

Radiated Emission				
966 chamber 3 / (03CH03-WS)				
. Serial No.	Calibration Date	Calibration Until		
101499	Jan. 09, 2020	Jan. 08, 2021		
101657	Feb. 14, 2020	Feb. 13, 2021		
3 VULB9168-685	Apr. 17, 2019	Apr. 16, 2020		
D BBHA 9120 D 1206	Dec. 27, 2019	Dec. 26, 2020		
0 BBHA 9170517	Nov. 15, 2019	Nov. 14, 2020		
100330	Nov. 13, 2019	Nov. 12, 2020		
V 101354-BW	Oct. 07, 2019	Oct. 06, 2020		
5 980187	Aug. 14, 2019	Aug. 13, 2020		
MY53270014	Aug. 07, 2019	Aug. 06, 2020		
5B 980192	Aug. 01, 2019	Jul. 31, 2020		
104 MY22620/ 4	Sep. 27, 2019	Sep. 26, 2020		
3M-80 181107	Sep. 27, 2019	Sep. 26, 2020		
104 MY22624/4	Sep. 27, 2019	Sep. 26, 2020		
M-800 EMC8D-NM-NM-800 -001	Sep. 27, 2019	Sep. 26, 2020		
M-300 131103	Sep. 27, 2019	Sep. 26, 2020		
M-130 131104	Sep. 27, 2019	Sep. 26, 2020		
6.120210g	NA	NA		
	131104	131104 Sep. 27, 2019 6.120210g NA		

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Test Item	RF Conducted	RF Conducted										
Test Site	(TH01-WS)											
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until							
Spectrum Analyzer	R&S	FSV40	101063	Apr. 17, 2019	Apr. 16, 2020							
Power Meter	Anritsu	ML2495A	1241002	Oct. 23, 2019	Oct. 22, 2020							
Power Sensor	Anritsu	MA2411B	1207366	Oct. 23, 2019	Oct. 22, 2020							
Signal Generator	R&S	SMB100A	175727	Dec. 27, 2019	Dec. 26, 2020							
DC POWER SOURCE	GW INSTEK	GPC-6030D	GES855395	Oct. 29, 2019	Oct. 28, 2020							
Measurement Software	Sporton	Sporton_1	1.3.30	NA	NA							
Note: Calibration Interval of instruments listed above is one year.												

1.5 Test Standards

According to the specification of EUT, the EUT must comply with following standards and KDB documents.

47 CFR FCC Part 15.247

ANSI C63.10-2013

FCC KDB 558074 D01 15.247 Meas Guidance v05r02

1.6 Deviation from Test Standard and Measurement Procedure

None

1.7 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Measurement Uncertainty						
Parameters	Uncertainty					
AC conducted emission	±2.92 dB					
Radiated emission ≤ 1GHz	±3.96 dB					
Radiated emission > 1GHz	±4.51 dB					

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2 Test Configuration

2.1 Testing Condition

Test Item	Test Site	Ambient Condition	Tested By
AC Conduction	CO01-WS	23°C / 63%	Alex Tsai
Radiated Emissions	03CH03-WS	20-21°C / 63-65%	Roger Lu
RF Conducted	TH01-WS	20°C / 65%	Roger Lu

MRA Number: APEC TEL
 FCC Designation No.: TW0009
 FCC site registration No.: 207696

➤ ISED#: 10807A

➤ CAB identifier: TW2732

2.2 Testing Facility

Test Laboratory	International Certification Corp.
Test Site	CO01-WS, TH01-WS
Address of Test Site	No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C.
Test Site	03CH03-WS
Address of Test Site	No. 14-1, Lane 19, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C.

2.3 The Worst Test Modes and Channel Details

Test item	Modulation Test Frequency (MHz)		Data Rate	Test Configuration	
Conducted Emissions	FHSS	2400.7	280 kbps		
Radiated Emissions ≤1GHz	FHSS	2400.7	280 kbps		
Radiated Emissions >1GHz	FHSS	2400.7 / 2435.8 / 2470.9	280 kbps		

NOTE:

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The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.



3 Transmitter Test Results

3.1 Conducted Emissions

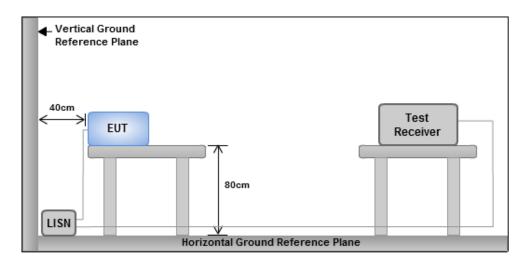
3.1.1 Limit of Conducted Emissions

Conducted Emissions Limit							
Frequency Emission (MHz) Quasi-Peak Average							
0.15-0.5	66 - 56 *	56 - 46 *					
0.5-5	56	46					
5-30	60	50					
Note 1: * Decreases with the logarithm of the frequency.							

3.1.2 Test Procedures

- 1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
- 2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
- 3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
- 4. This measurement was performed with AC 120V / 60Hz.

3.1.3 Test Setup



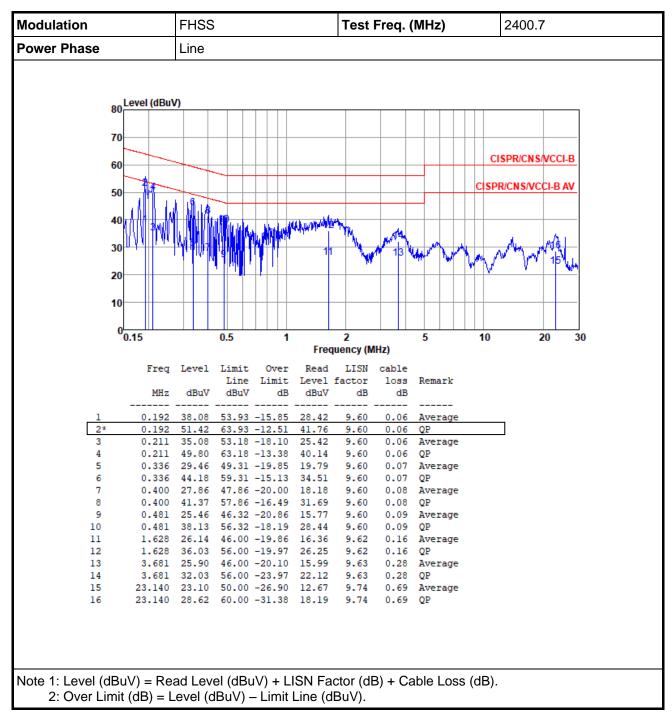
Note: 1. Support units were connected to second LISN.

Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

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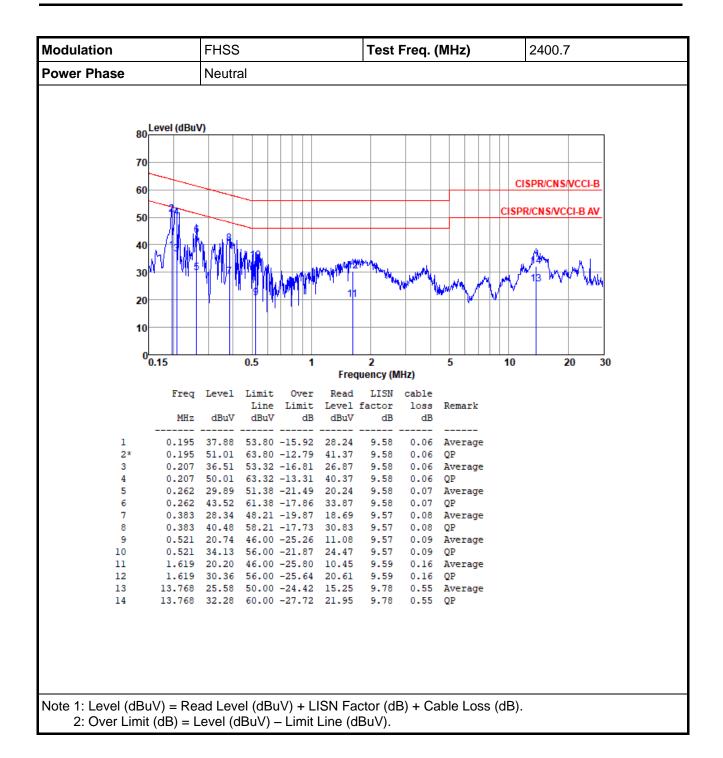


3.1.4 Test Result of Conducted Emissions



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3.2 Unwanted Emissions into Restricted Frequency Bands

3.2.1 Limit of Unwanted Emissions into Restricted Frequency Bands

Restricted Band Emissions Limit									
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)						
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300						
0.490~1.705	24000/F(kHz)	33.8 - 23	30						
1.705~30.0	30	29	30						
30~88	100	40	3						
88~216	150	43.5	3						
216~960	200	46	3						
Above 960	500	54	3						

Note 1:

Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit **Note 2**:

Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

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3.2.2 Test Procedures

- 1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
- 2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
- 3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

- 1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
- 2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.

Radiated emission Average value for field strength of harmonics

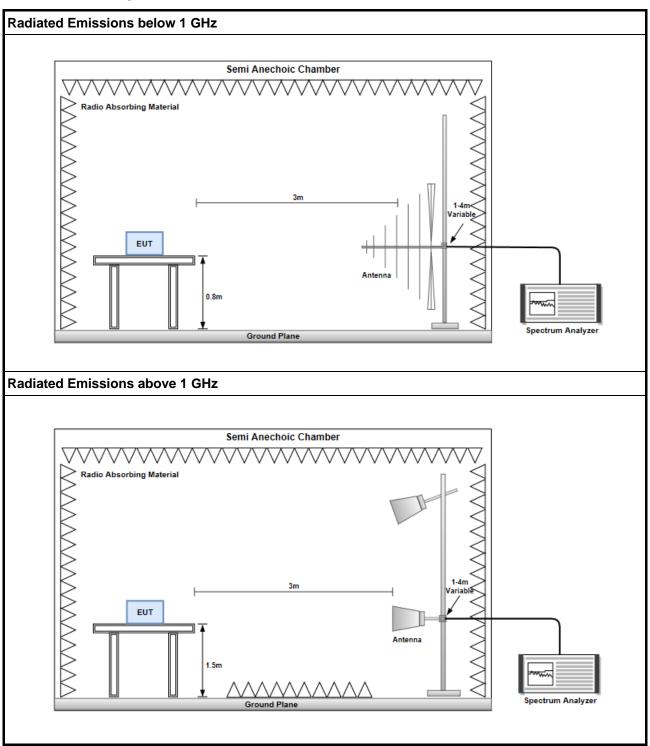
The average value is: Average = Peak value + 20log(Duty cycle) Where the duty factor is calculated from following formula:

Please see page 25 ~ 26 for plotted duty

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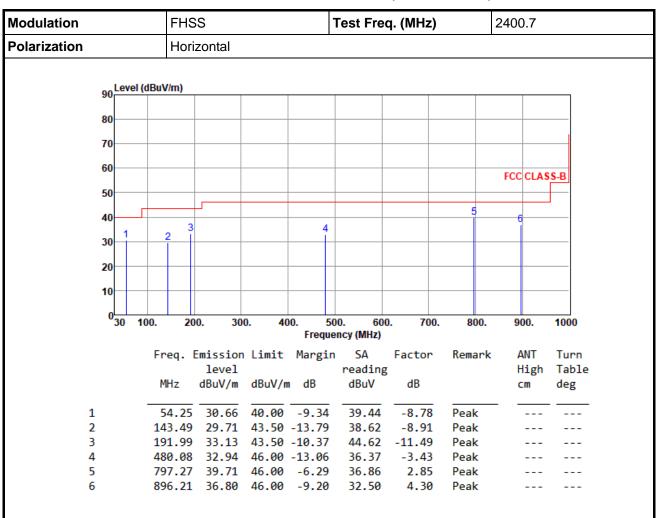
3.2.3 Test Setup



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3.2.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)



Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

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Modulation			FH	FHSS			Test Freq. (MHz)			2400.7		
Polarization			Ve	rtical		1						
	Le	evel (dBuV/m)									
	90											
	80											
	70											
	70											
	60									FCC	CLAS	S B
	50									100	CLAS	3-6
	30	-		_					4	5 (5	¹
	40											
	30	2		3								
	20											
	10											
	ال											
	⁰ 3(0 1	00.	200.	300. 4		00. 600 ency (MHz)	0. 700.	800.	9(00.	1000
			Freq.	Emissi	on Limit	Margin	n SA	Factor	Remark	4	ANT	Turn
				leve	1		reading	5		H	ligh	Table
			MHz	dBuV/	n dBuV/	m dB	dBuV	dB		C	m	deg
4			39.7	30.4	40.00	-9.51	39.78	-9.29	Peak			- ——
1 2			73.6			-9.51	39.78	-9.29 -11.74	Peak Peak			
3			232.7		6 46.00		39.95	-11.09	Peak			
4			799.2		7 46.00		38.61	2.86	Peak			
5			838.9	8 42.2	2 46.00	-3.78	38.88	3.34	Peak			

37.75

4.32

Peak

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

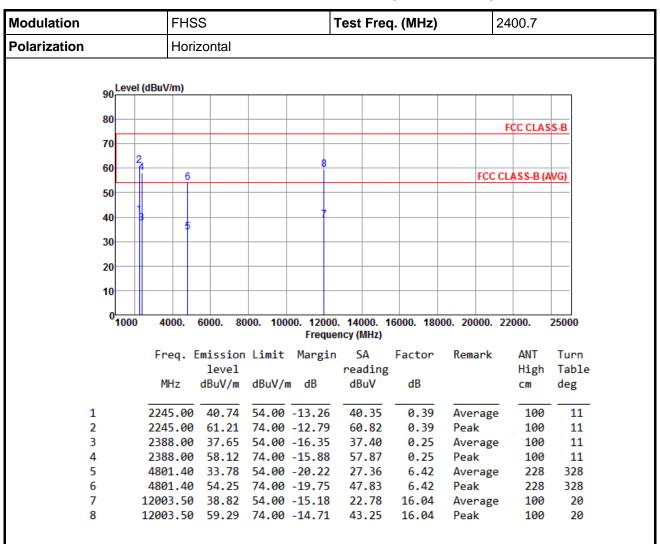
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

900.09 42.07 46.00 -3.93

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3.2.5 Transmitter Radiated Unwanted Emissions (Above 1GHz)



Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

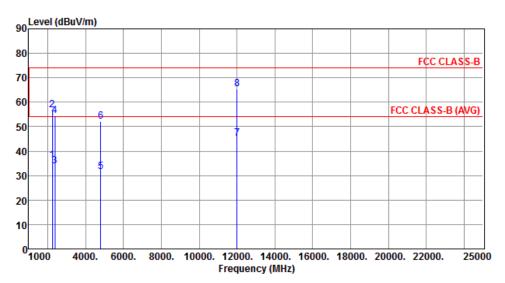
*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

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Modulation	FHSS	Test Freq. (MHz)	2400.7
Polarization	Vertical		



	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		cm	deg
1	2245.00	36.17	54.00	-17.83	35.78	0.39	Average	332	256
2	2245.00	56.64	74.00	-17.36	56.25	0.39	Peak	332	256
3	2388.00	33.90	54.00	-20.10	33.65	0.25	Average	332	256
4	2388.00	54.37	74.00	-19.63	54.12	0.25	Peak	332	256
5	4801.40	31.62	54.00	-22.38	25.20	6.42	Average	245	2
6	4801.40	52.09	74.00	-21.91	45.67	6.42	Peak	245	2
7	12003.50	45.04	54.00	-8.96	29.00	16.04	Average	221	223
8	12003.50	65.51	74.00	-8.49	49.47	16.04	Peak	221	223

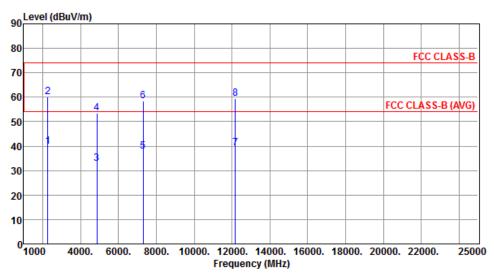
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

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Modulation	FHSS	Test Freq. (MHz)	2435.8	
Polarization	Horizontal			



	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		cm	deg
1	2280.00	39.73	54.00	-14.27	39.29	0.44	Average	101	1
2	2280.00	60.20	74.00	-13.80	59.76	0.44	Peak	101	1
3	4871.60	33.02	54.00	-20.98	26.53	6.49	Average	244	336
4	4871.60	53.49	74.00	-20.51	47.00	6.49	Peak	244	336
5	7307.40	37.84	54.00	-16.16	26.10	11.74	Average	209	330
6	7307.40	58.31	74.00	-15.69	46.57	11.74	Peak	209	330
7	12179.00	39.09	54.00	-14.91	22.76	16.33	Average	100	30
8	12179.00	59.56	74.00	-14.44	43.23	16.33	Peak	100	30

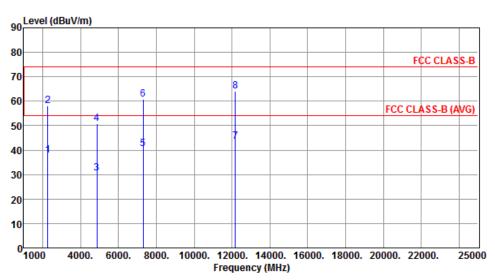
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

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Modulation	FHSS	Test Freq. (MHz)	2435.8
Polarization	Vertical		



	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		cm	deg
1	2280.00	37.76	54.00	-16.24	37.32	0.44	Average	333	258
2	2280.00	58.23	74.00	-15.77	57.79	0.44	Peak	333	258
3	4871.60	30.48	54.00	-23.52	23.99	6.49	Average	242	0
4	4871.60	50.95	74.00	-23.05	44.46	6.49	Peak	242	0
5	7307.40	40.36	54.00	-13.64	28.62	11.74	Average	304	344
6	7307.40	60.83	74.00	-13.17	49.09	11.74	Peak	304	344
7	12179.00	43.52	54.00	-10.48	27.19	16.33	Average	244	228
8	12179.00	63.99	74.00	-10.01	47.66	16.33	Peak	244	228

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

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Modulation Polarization			FHS	FHSS			Test Freq. (MHz)			2470.9	
			Hori	Horizontal							
	90	Level	(dBuV/m)								
	80									FCC CLAS	SS-B
	70										
		. 2	8	40		12	,				
	60		8	10		ľ			FCC	CLASS-B (AVG)
	50										-
	40		6								
	40		7	9							
	30										-
	20										
	20										
	10	\vdash									
	0	Ш									
		1000	4000.	6000. 80	00. 100		0. 14000. 1 ency (MHz)	16000. 180	00. 20000.	22000.	25000
			F		1224			F+	Damanla	ANT	T
			Freq.	Emission level	Limit	margir	n SA reading	Factor	Remark	ANT High	Turn Table
			MHz	dBuV/m	dBuV/r	m dB	dBuV	dB		cm	deg
											8
	1		2315.00	39.46	54.00	-14.54	39.03	0.43	Average	103	355
	2		2315.00			-14.07	59.50	0.43	Peak	103	355
	3		2484.00			-14.19	39.56	0.25	Average		355
	4		2484.00			-13.72	60.03	0.25	Peak	103	355
	5		2497.00	39.10	54.00	-14.90	38.85	0.25	Average	e 103	355
l de la companya de	6		2497.00	59.57	74.00	-14.43	59.32	0.25	Peak	103	355
	7		4941.80	32.47	54.00	-21.53	25.87	6.60	Average	e 230	11
	8		4941.80	52.94	74.00	-21.06	46.34	6.60	Peak	230	11
	9		7412.70	36.98	54.00	-17.02	25.18	11.80	Average	e 205	325
1	0		7412.70	57.45	74.00	-16.55	45.65	11.80	Peak	205	325

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

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12354.50 37.71 54.00 -16.29 21.78 15.93

12354.50 58.18 74.00 -15.82 42.25

Average

Peak

15.93

50

50

100

100

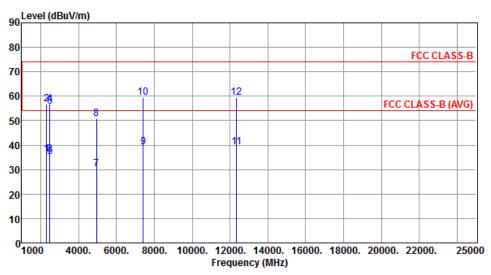
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12



Modulation	FHSS	Test Freq. (MHz)	2470.9
Polarization	Vertical		



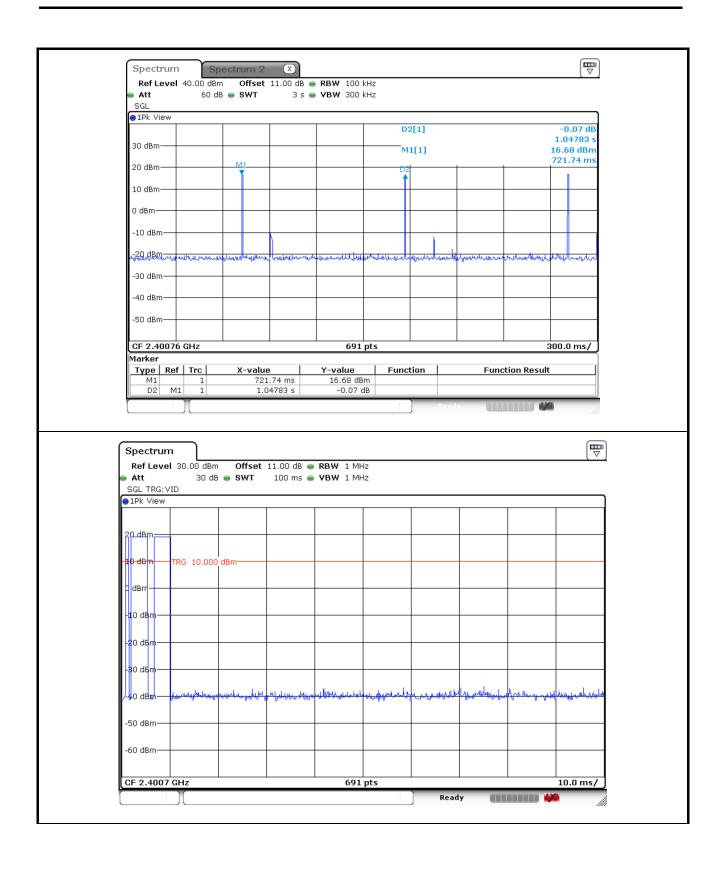
	Freq. [mission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		cm	deg
1	2315.00	36.21	54.00	-17.79	35.78	0.43	Average	339	254
2	2315.00	56.68	74.00	-17.32	56.25	0.43	Peak	339	254
3	2484.00	36.18	54.00	-17.82	35.93	0.25	Average	339	254
4	2484.00	56.65	74.00	-17.35	56.40	0.25	Peak	339	254
5	2497.00	35.26	54.00	-18.74	35.01	0.25	Average	339	254
6	2497.00	55.73	74.00	-18.27	55.48	0.25	Peak	339	254
7	4941.80	30.38	54.00	-23.62	23.78	6.60	Average	241	3
8	4941.80	50.85	74.00	-23.15	44.25	6.60	Peak	241	3
9	7412.70	39.09	54.00	-14.91	27.29	11.80	Average	316	344
10	7412.70	59.56	74.00	-14.44	47.76	11.80	Peak	316	344
11	12354.50	39.06	54.00	-14.94	23.13	15.93	Average	229	233
12	12354.50	59.53	74.00	-14.47	43.60	15.93	Peak	229	233

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

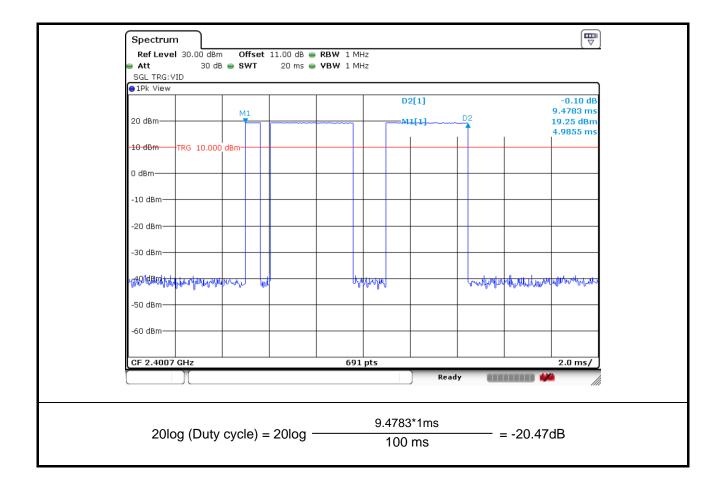
Note 2: Margin (dB) = Emission level (dBuV/m) - Limit (dBuV/m).

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4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website http://www.icertifi.com.tw.

Linkou

Tel: 886-2-2601-1640 No. 30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City,

Taiwan, R.O.C.

Kwei Shan

Tel: 886-3-271-8666 No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C.

Kwei Shan Site II

Tel: 886-3-271-8640

No. 14-1, Lane 19, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C.

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666 Fax: 886-3-318-0155

Email: ICC_Service@icertifi.com.tw

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