

Japan DFS Test Report

Equipment : Cloud Lite Managed Wi-Fi 7 2x2 Indoor Access Point,
Cloud Managed Wi-Fi 7 2x2 Indoor Access Point

Model No. : ECW510L, ECW510P

Brand Name : EnGenius

Applicant : EnGenius Networks Japan Inc.

Address : 10F, Expert Tamachi, 3-6-14 Shibaura
Minato-ku, Tokyo-to 108-0023, Japan

Standard : Article 2 Paragraph 1 Item 19-3

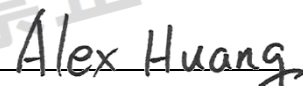
Received Date : May 12, 2026

Tested Date : Jun. 08 ~ Jun. 11, 2026

Measurement was conducted by the following test method:
MIC Notice No. 88, Appendix 45

We, International Certification Corporation, 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 shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:


Alex Huang / Supervisor

Approved by:

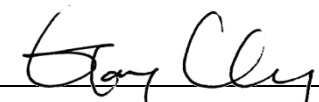

Gary Chang / Manager

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Release Record

Report No.	Version	Description	Issued Date
JZ6325006-03	Rev. 01	Initial issue	Jul. 20, 2026

1 General Description

1.1 Information

1.1.1 Product Details

The following models are provided to this EUT.

Brand Name	Model Name	Product Name	Description
EnGenius	ECW510L	Cloud Lite Managed Wi-Fi 7 2x2 Indoor Access Point	For marketing purpose.
EnGenius	ECW510P	Cloud Managed Wi-Fi 7 2x2 Indoor Access Point	

1.1.2 Specification of the Equipment under Test (EUT)

Power Supply Type	12V $\Rightarrow$ from AC adapter 54V $\Rightarrow$ from POE
Type(s) of Modulation / Technology	4096QAM, 1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK
Frequency Range (MHz)	5150~5250, 5250~5350, 5470~5730
Operating Mode: IEEE Std. 802.11 / Data rate (Mbps/MCS)	802.11a: Up to 54 Mbps 802.11n HT20 (MCS 0~31) 802.11n HT40 (MCS 0~31) 802.11ac VHT20 (MCS 0~9) 802.11ac VHT40 (MCS 0~9) 802.11ac VHT80 (MCS 0~9) 802.11ac VHT160 (MCS 0~11) 802.11ax HE20 (MCS 0~11) 802.11ax HE40 (MCS 0~11) 802.11ax HE80 (MCS 0~11) 802.11ax HE160 (MCS 0~11) 802.11be EHT20 (MCS 0~13) 802.11be EHT40 (MCS 0~13) 802.11be EHT80 (MCS 0~13) 802.11be EHT160 (MCS 0~13)
HW Version	v.1.0.0
SW Version	1.2.16

1.1.3 Accessories

No.	Equipment	Description
1	Wall-mounted bracket	---

1.1.4 Antenna Details

Brand	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)		
				5150~5250MHz	5250~5350MHz	5470~5725MHz
AWAN	5-1	PIFA	UFL	4.46	4.22	3.96
AWAN	5-2	PIFA	UFL	6.56	6.96	6.49

Note: The lowest gain: 3.96 dBi

1.2 Support Equipment

Support Equipment List				
No.	Equipment	Brand Name	Model Name	Remark
1	Laptop	DELL	LATITUDE-E6430	SN:9ZFB4X1
2	Wireless Module	Intel	BE200NGW	SN: 8SSW11H85106T1SS3AE0G7T

1.3 Channel Loading/Data Streaming

☒	Test transmission sequence is from the Master to the Slave.
☒	For W53 band (5250-5350 MHz) Monitoring of operating channel with about 30% loading over maximum signal transmission speed.
☒	For W56 band (5470-5730 MHz) Monitoring of operating channel with about 17% loading over maximum signal transmission speed.
☒	No transmissions on channels being checked during a Channel Availability Check and Confirming Available Channels.

1.4 DFS and TPC Information

The DFS Related Operating Mode(s) of the Equipment			
Power-on Cycle		58.2 s	
Communication Mode		☒ IP Based (Load Based)	☐ Frame Based
IEEE Std. 802.11	Frequency Range (MHz)	TPC (Transmit Power Control)	Active Scan
802.11n HT 20/40 802.11ac VHT 20/40/80/160 802.11ax HE 20/40/80/160 11be EHT 20/40/80/160	☒ 5250-5350	Yes	Yes
	☒ 5470-5730	Yes	Yes

1.5 DFS Parameters

DFS requirement values	
Parameter	Value
Channel Availability Check Time	60 sec
Channel Move Time	10 sec
Channel Closing Transmission Time	260 ms
Non-occupancy period	Minimum 30 minutes

W53: Parameters DFS radar test signal						
Test Signal (#)	Pulse width [μ s]		Pulse repetition frequency PRF [Hz]		Pulses per burst [PPB]	Detection Probability (%)
	minimum value	maximum value	minimum value	maximum value		
1	0.5	5	200	1000	10	≥ 60
2	0.5	15	200	1600	15	≥ 60
3	0.5	5	200	1000	Repetition frequency x 0.026" (Round up to less than 1), or "22", whichever is larger, or "30", whichever is smaller	≥ 60
4	0.5	15	200	1600	"Repetition frequency x 0.026" (Round up to less than 1), or "22", whichever is larger, or "30", whichever is smaller	≥ 60
5	0.5	1.5	1114	1118	30	≥ 60
6	0.5	1.5	928	932	25	≥ 60
7	0.5	1.5	886	890	24	≥ 60
8	0.5	1.5	738	742	20	≥ 60

W56: Parameters DFS radar test signal				
Test Signal (#)	Pulse width [μ s]	Pulse repetition frequency PRF [Hz]	Pulses per burst [PPB]	Detection Probability (%)
1	0.5	720	18	≥ 60
2	1	700	18	≥ 60
3	2	250	18	≥ 60
4	1~5 (step 1)	4347-6667 (step 1)	23~29	≥ 60
5	6~10 (step 1)	2000-5000 (step 1)	16~18	≥ 60
6	11~20 (step 1)	2000-5000 (step 1)	12~16	≥ 60
Aggregate (Radar Types 1-6)				≥ 80

W56: Chirp Modulation (5~20MHz) Parameters DFS radar test signal

Test Signal (#)	Pulse width [μ s]	Pulse repetition frequency PRF [Hz]	Number of Pulses per Burst	Number of Bursts	Detection Probability (%)
7	50-100 (step 1)	500-1000 (step 1)	1-3	8-20	≥ 80

W56: 5250-5724 MHz Frequency Hopping Modulation Parameters DFS radar test signal

Test Signal (#)	Pulse width [μ s]	Pulse repetition frequency PRF [Hz]	Number of Pulses per Burst	Number of Bursts	Detection Probability (%)
8	1	3000	9 (3ms)	300	≥ 70

1.6 Master DFS Threshold Level

DFS Threshold Level

DFS Threshold level: -60.04 dBm

Note 1: DFS Detection Threshold (dBm) = $-64 + G$ (dBi)

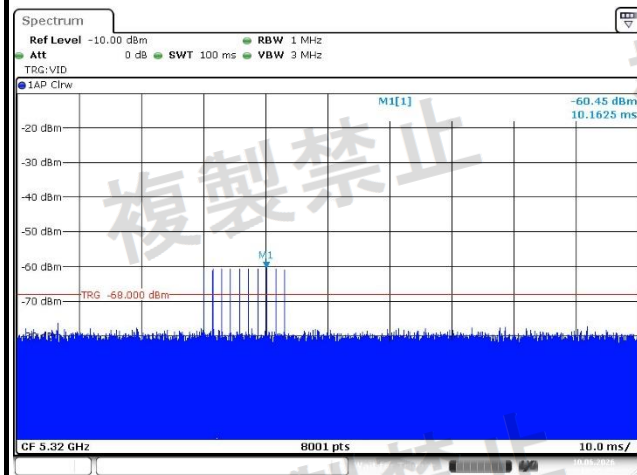
The DFS **Detection Threshold Level** is $(-64\text{dBm}) + (3.96\text{dBi}) = -60.04 \text{ dBm}$

Note 2: maximum EIRP < 200mW (23dBm). DFS **Detection Threshold Level** is $(-62\text{dBm}) + G_{\text{ANT}}$
 maximum EIRP $\geq 200\text{mW}$ (23dBm). DFS **Detection Threshold Level** is $(-64\text{dBm}) + G_{\text{ANT}}$

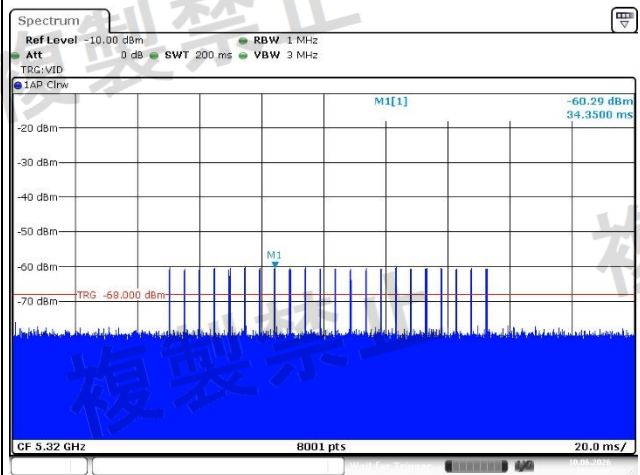
W53 Radar

Calibration Plots

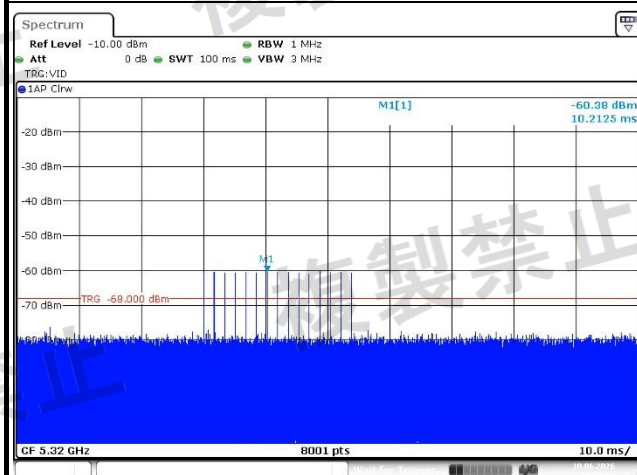
Radar #1 DFS detection threshold level



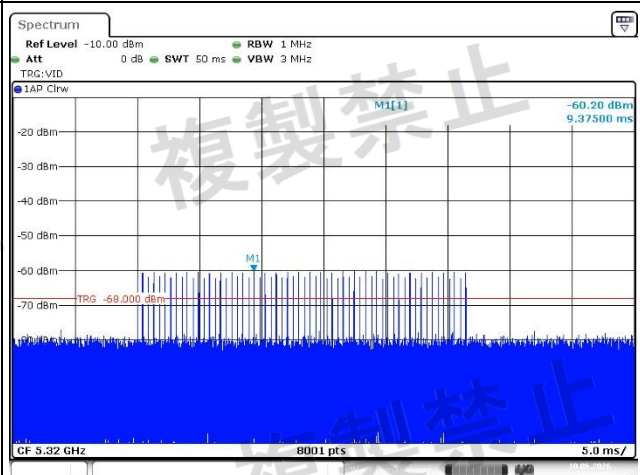
Radar #4 DFS detection threshold level



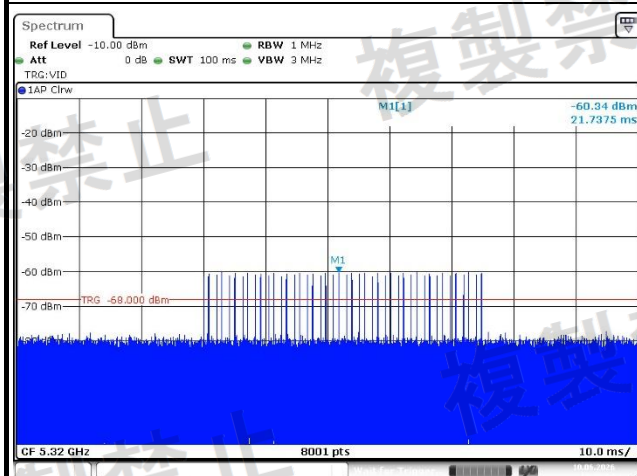
Radar #2 DFS detection threshold level



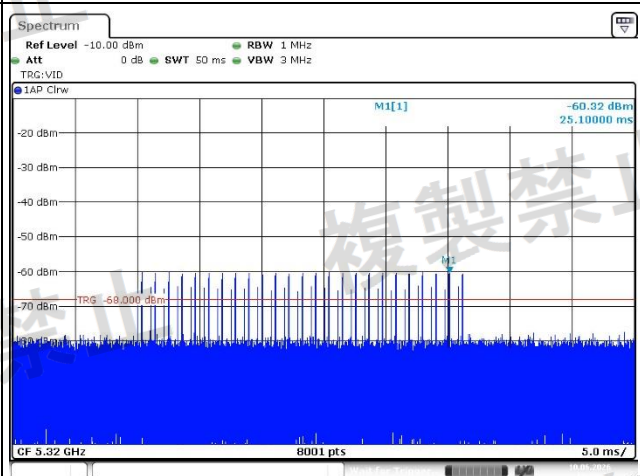
Radar #5 DFS detection threshold level

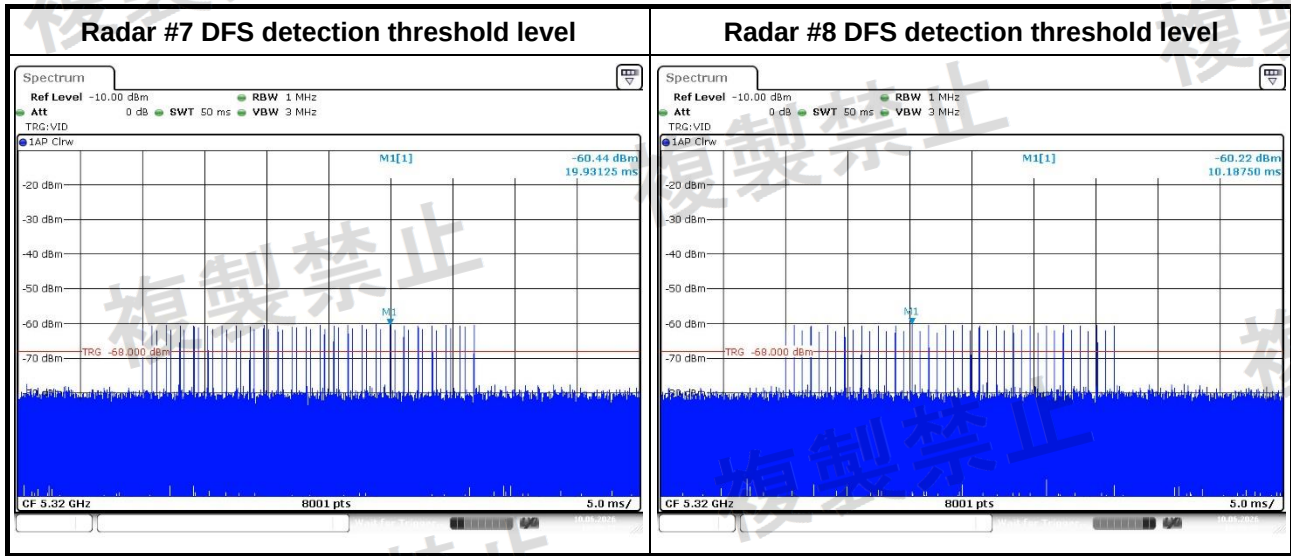


Radar #3 DFS detection threshold level



Radar #6 DFS detection threshold level

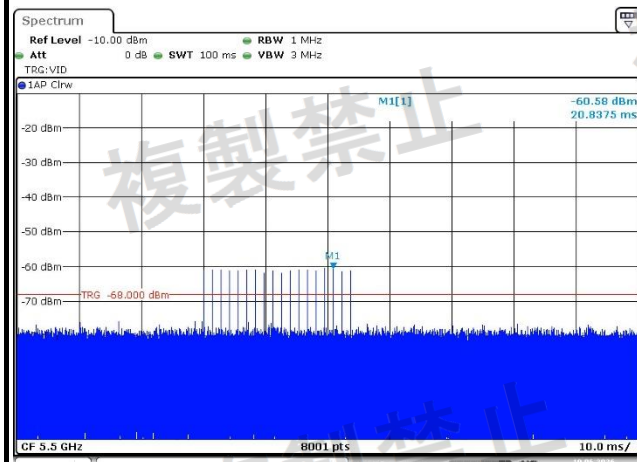




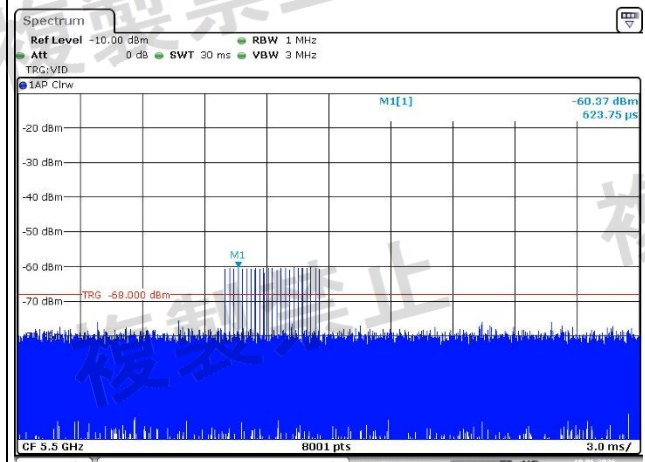
W56 Radar

Calibration Plots

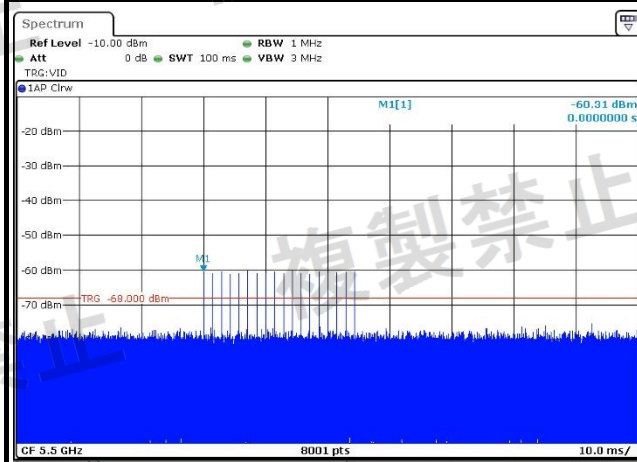
Radar #1 DFS detection threshold level



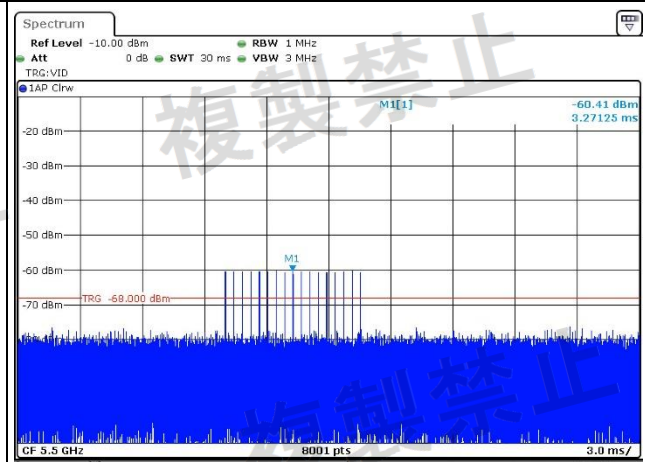
Radar #4 DFS detection threshold level



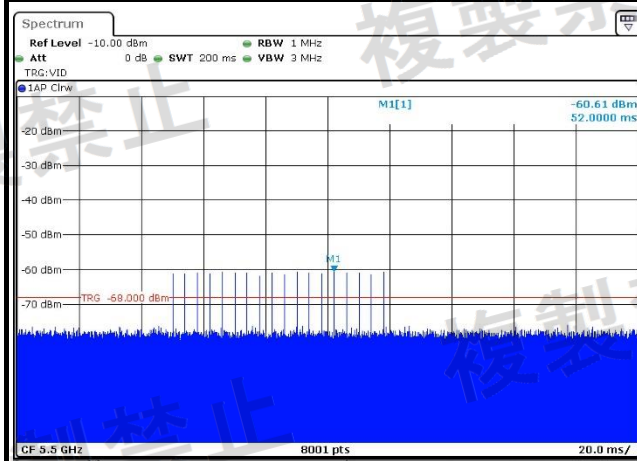
Radar #2 DFS detection threshold level



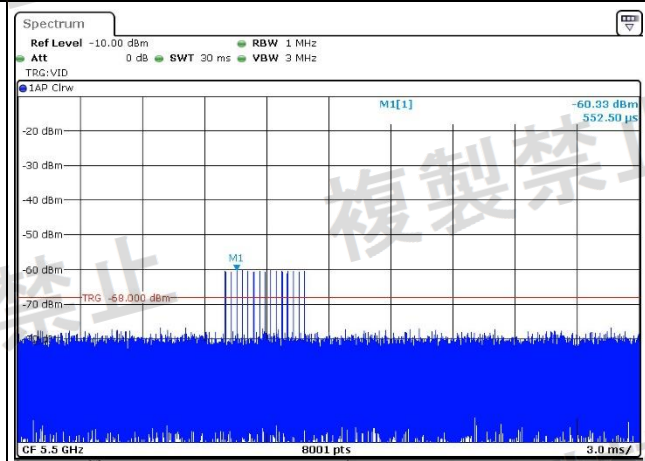
Radar #5 DFS detection threshold level

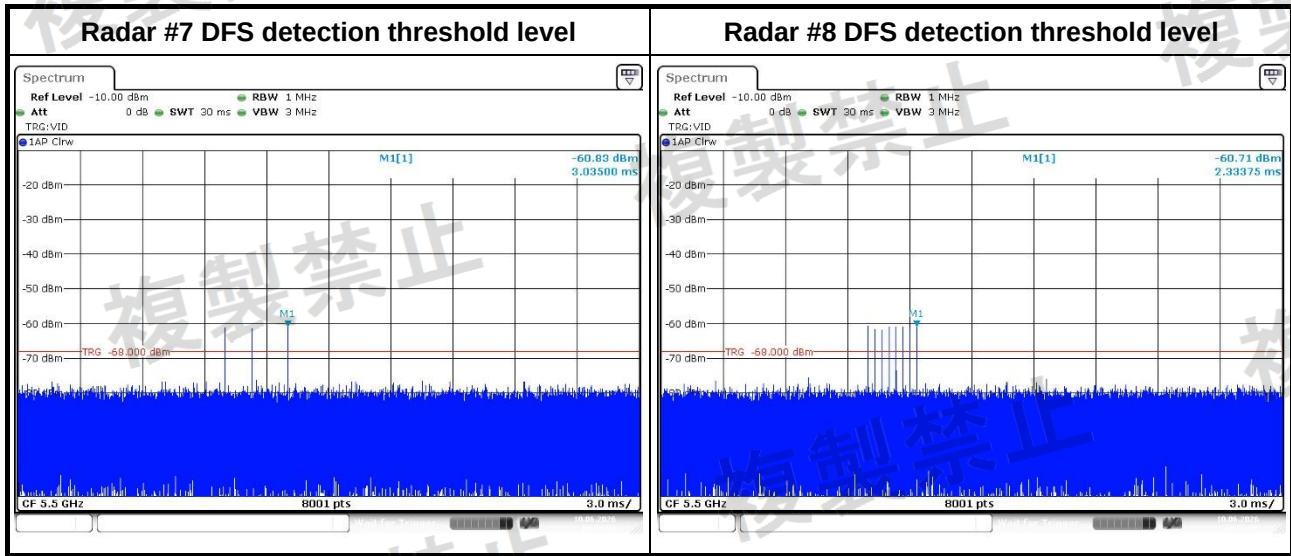


Radar #3 DFS detection threshold level

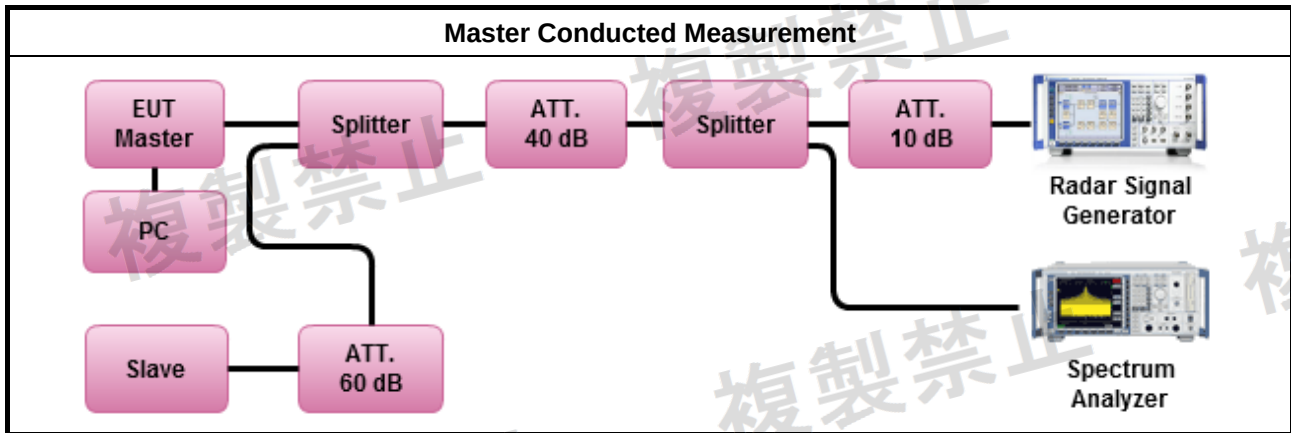


Radar #6 DFS detection threshold level





1.7 Test Setup



1.8 The Equipment List

Test Site	DF01-WS						
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until	Calibration Authority	Calibration Method
Spectrum Analyzer	R&S	FSV7	101607	Feb. 06, 2026	Feb. 05, 2027	ETC	(C)
RF Cable-8M	HUBER+SUHNER	SUCOFLEX_104	22601/4	Oct. 09, 2025	Oct. 08, 2026	ICC	(D)
RF CABLE	woken	woken-S05	S/N:S05-141231-102	Oct. 09, 2025	Oct. 08, 2026	ICC	(D)
RF CABLE	woken	woken-S05	S/N:S05-141231-105	Oct. 09, 2025	Oct. 08, 2026	ICC	(D)
RF CABLE	woken	woken-S05	S/N:S05-141231-106	Oct. 09, 2025	Oct. 08, 2026	ICC	(D)
RF CABLE	woken	woken-S05	S/N:S05-141231-108	Oct. 09, 2025	Oct. 08, 2026	ICC	(C)
Vector signal generator	R&S	SMW200A	109619	Aug. 04, 2025	Aug. 03, 2026	ETC	(D)
Combiner(1X2)	WOKEN	2WAYDIV	12101200003	Oct. 11, 2025	Oct. 10, 2026	ICC	(D)
Combiner(1X2)	WOKEN	0120A0220 1801O	DOM2AEW1A22	Oct. 11, 2025	Oct. 10, 2026	ICC	(D)
Combiner(1X2)	WOKEN	0120A0220 1801O	DOM2AEW1A23	Oct. 11, 2025	Oct. 10, 2026	ICC	(D)
Combiner(1X3)	MCLI	PS3-7	24940	Oct. 09, 2025	Oct. 08, 2026	ICC	(D)
Attenuator	woken	PE7013-10	10-1	Oct. 11, 2025	Oct. 10, 2026	ICC	(D)
Attenuator	woken	PE7013-10	10-2	Oct. 11, 2025	Oct. 10, 2026	ICC	(D)
Attenuator	woken	PE7013-20	20-1	Oct. 11, 2025	Oct. 10, 2026	ICC	(D)
30dB Attenuator	MVE	MVE2462-30	16050401	Oct. 09, 2025	Oct. 08, 2026	ICC	(D)
Measurement Software	ICC	DFS	V1.3.30	NA	NA	N/A	N/A

Note 1: Calibration Interval of instruments listed above is one year.
 Note 2: Calibration Method
 a. Calibration conducted by the National Institute of Information and Communications Technology (NICT) or a designated calibration agency under Article 102-18 paragraph (1) of the Radio Law.
 b. Calibration conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992) Japan Calibration Service System.
 c. Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
 d. Calibration conducted by using other equipment that listed above from a) to c).

1.9 Testing Condition

Test Item	Test Site	Ambient Condition	Tested By
DFS	DF01-WS	25°C / 65%	Jack Li

1.10 Testing Facility

Test Laboratory	International Certification Corporation
Test Site	DF01-WS
Address of Test Site	No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

1.11 Test Standards

According to the specification of EUT, the EUT must comply with following standard.

Article 2 Paragraph 1 Item 19-3

1.12 Deviation from Test Standard and Measurement Procedure

None

1.13 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
Time	$\pm 0.1\%$

2 Test Result

2.1 Channel Availability Check (CAC)

2.1.1 Channel Availability Check Limit

Channel Availability Check Limit	
The EUT shall perform a channel availability check to ensure that there is no radar operating on the channel. After power-up sequence, receive at least 1 minute (60sec) on the intended operating frequency.	

2.1.2 Test Procedure

Test Method for W53	
Measuring Equipment Conditions	MIC Notice No. 88, Appendix 45
Conditions of Equipment under Test	MIC Notice No. 88, Appendix 45
Measuring Operation Procedures	MIC Notice No. 88, Appendix 45
Presentation of Results	MIC Notice No. 88, Appendix 45
Other Conditions	MIC Notice No. 88, Appendix 45

Test Method for W56	
Measuring Equipment Conditions	MIC Notice No. 88, Appendix 45
Conditions of Equipment under Test	MIC Notice No. 88, Appendix 45
Measuring Operation Procedures	MIC Notice No. 88, Appendix 45
Presentation of Results	MIC Notice No. 88, Appendix 45
Other Conditions	MIC Notice No. 88, Appendix 45

2.1.3 Power on cycle

Initial Channel Availability Check Time Result					
Modulation Mode	Freq. (MHz)	Radar Test Signal	Power-on Cycle. (sec)	CAC Time (sec)	Observation Time (min)
EHT20	5500	N/A	58.2	60	3.33
Result 200S Timing Plot			Complied		
Spectrum Ref Level -10.00 dBm Att 0 dB RBW 1 MHz SWT 200 s VBW 3 MHz SGL 1AP Clrw -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] -61.84 dBm 118.2000 s CF 5.5 GHz 8001 pts 20.0 s/					
Note 1: This test does not use any Radar Waveforms.					

2.1.4 Radar Detection Threshold (during the Channel Availability Check) Result

Radar Detection Threshold (during the Channel Availability Check) Result					
Minimum Antenna Gain (dBi)			3.96		
Detection Threshold Level (dBm)			-60.04		
Modulation Mode	Freq. (MHz)	Radar Test Signal (#)	Nr of Times Triggered (#out of 4)	Detection Probability(%)	Detection Probability Limit (%)
EHT20	5320	1 - Variable	4	100	100
		2 - Variable	4	100	100
		3 - Variable	4	100	100
		4 - Variable	4	100	100
		5 - Variable	4	100	100
		6 - Variable	4	100	100
		7 - Variable	4	100	100
		8 - Variable	4	100	100
EHT20	5500	1 - Fixed	4	100	100
		2 - Fixed	4	100	100
		3 - Fixed	4	100	100
		4 - Variable	4	100	100
		5 - Variable	4	100	100
		6 - Variable	4	100	100
		7 - Charp	4	100	100
		8 - Hopping	4	100	100
EHT20	5720	1 - Fixed	4	100	100
		2 - Fixed	4	100	100
		3 - Fixed	4	100	100
		4 - Variable	4	100	100
		5 - Variable	4	100	100
		6 - Variable	4	100	100
		7 - Charp	4	100	100
		8 - Hopping	4	100	100
Result		Complied			

Radar Detection Threshold (during the Channel Availability Check) Result

Minimum Antenna Gain (dBi)			3.96		
Detection Threshold Level (dBm)			-60.04		
Modulation Mode	Freq. (MHz)	Radar Test Signal (#)	Nr of Times Triggered (#out of 4)	Detection Probability(%)	Detection Probability Limit (%)
EHT40	5310	1 - Variable	4	100	100
		2 - Variable	4	100	100
		3 - Variable	4	100	100
		4 - Variable	4	100	100
		5 - Variable	4	100	100
		6 - Variable	4	100	100
		7 - Variable	4	100	100
		8 - Variable	4	100	100
EHT40	5510	1 - Fixed	4	100	100
		2 - Fixed	4	100	100
		3 - Fixed	4	100	100
		4 - Variable	4	100	100
		5 - Variable	4	100	100
		6 - Variable	4	100	100
		7 - Charp	4	100	100
		8 - Hopping	4	100	100
EHT40	5710	1 - Fixed	4	100	100
		2 - Fixed	4	100	100
		3 - Fixed	4	100	100
		4 - Variable	4	100	100
		5 - Variable	4	100	100
		6 - Variable	4	100	100
		7 - Charp	4	100	100
		8 - Hopping	4	100	100
Result		Complied			

Radar Detection Threshold (during the Channel Availability Check) Result

Minimum Antenna Gain (dBi)			3.96		
Detection Threshold Level (dBm)			-60.04		
Modulation Mode	Freq. (MHz)	Radar Test Signal (#)	Nr of Times Triggered (#out of 4)	Detection Probability(%)	Detection Probability Limit (%)
EHT80	5290	1 - Variable	4	100	100
		2 - Variable	4	100	100
		3 - Variable	4	100	100
		4 - Variable	4	100	100
		5 - Variable	4	100	100
		6 - Variable	4	100	100
		7 - Variable	4	100	100
		8 - Variable	4	100	100
EHT80	5530	1 - Fixed	4	100	100
		2 - Fixed	4	100	100
		3 - Fixed	4	100	100
		4 - Variable	4	100	100
		5 - Variable	4	100	100
		6 - Variable	4	100	100
		7 - Charp	4	100	100
		8 - Hopping	4	100	100
EHT80	5690	1 - Fixed	4	100	100
		2 - Fixed	4	100	100
		3 - Fixed	4	100	100
		4 - Variable	4	100	100
		5 - Variable	4	100	100
		6 - Variable	4	100	100
		7 - Charp	4	100	100
		8 - Hopping	4	100	100
Result		Complied			

Radar Detection Threshold (during the Channel Availability Check) Result					
Minimum Antenna Gain (dBi)			3.96		
Detection Threshold Level (dBm)			-60.04		
Modulation Mode	Freq. (MHz)	Radar Test Signal (#)	Nr of Times Triggered (#out of 4)	Detection Probability(%)	Detection Probability Limit (%)
EHT160	5250	1 - Variable	4	100	100
		2 - Variable	4	100	100
		3 - Variable	4	100	100
		4 - Variable	4	100	100
		5 - Variable	4	100	100
		6 - Variable	4	100	100
		7 - Variable	4	100	100
		8 - Variable	4	100	100
EHT160	5570	1 - Fixed	4	100	100
		2 - Fixed	4	100	100
		3 - Fixed	4	100	100
		4 - Variable	4	100	100
		5 - Variable	4	100	100
		6 - Variable	4	100	100
		7 - Chorp	4	100	100
		8 - Hopping	4	100	100
Result		Complied			

2.2 In-service Monitoring

2.2.1 In-service Monitoring limit

In-service Monitoring Limit
The <i>In-Service Monitoring</i> shall be used to monitor an <i>Operating Channel</i> . The <i>In-Service-Monitoring</i> shall start immediately after the EUT has started transmissions on a channel. During the <i>In-Service Monitoring</i> , the EUT shall be capable of detecting any of the radar test signals that fall within the started transmissions ranges and with a level above the <i>Radar Detection Threshold</i> . The minimum required detection probability is defined in clause 1.5 DFS Parameters.

2.2.2 Test Procedure

Test Method for W53	
Measuring Equipment Conditions	MIC Notice No. 88, Appendix 45
Conditions of Equipment under Test	MIC Notice No. 88, Appendix 45
Measuring Operation Procedures	MIC Notice No. 88, Appendix 45
Presentation of Results	MIC Notice No. 88, Appendix 45
Other Conditions	MIC Notice No. 88, Appendix 45

Test Method for W56	
Measuring Equipment Conditions	MIC Notice No. 88, Appendix 45
Conditions of Equipment under Test	MIC Notice No. 88, Appendix 45
Measuring Operation Procedures	MIC Notice No. 88, Appendix 45
Presentation of Results	MIC Notice No. 88, Appendix 45
Other Conditions	MIC Notice No. 88, Appendix 45

2.2.3 Test Result of In-service Monitoring

In-service Monitoring Result					
Minimum Antenna Gain (dBi)			3.96		
Detection Threshold Level (dBm)			-60.04		
Modulation Mode	Freq. (MHz)	Radar Test Signal (#)	Nr of Times Triggered (#out of 20)	Detection Probability(%)	Detection Probability Limit (%)
EHT20	5320	1 - Variable	20	100	75
		2 - Variable	18	90	75
		3 - Variable	20	100	75
		4 - Variable	20	100	75
		5 - Variable	20	100	75
		6 - Variable	20	100	75
		7 - Variable	20	100	75
		8 - Variable	20	100	75
EHT20	5500	1 - Fixed	20	100	90
		2 - Fixed	20	100	90
		3 - Fixed	20	100	90
		4 - Variable	20	100	90
		5 - Variable	20	100	90
		6 - Variable	18	90	90
		Aggregate 1 - 6	118	98.33	80
		7 - Charp	20	100	90
		8 - Hopping	20	100	80
EHT20	5720	1 - Fixed	20	100	90
		2 - Fixed	20	100	90
		3 - Fixed	20	100	90
		4 - Variable	20	100	90
		5 - Variable	20	100	90
		6 - Variable	19	95	90
		Aggregate 1 - 6	119	99.17	80
		7 - Charp	20	100	90
		8 - Hopping	20	100	80
Result		Complied			

Note:

W53: Type 1-8 limit 20 times – 75% [15] or 40 times – 60% [24]

W56: Type 1-6 limit 20 times – 90% [18] or 40 times – 60% [24]

W56: Type 7 limit 20 times – 90% [18] or 40 times – 80% [32]

W56: Type 8 limit 20 times – 80% [16] or 40 times – 70% [28]

In-service Monitoring Result

Minimum Antenna Gain (dBi)			3.96		
Detection Threshold Level (dBm)			-60.04		
Modulation Mode	Freq. (MHz)	Radar Test Signal (#)	Nr of Times Triggered (#out of 20)	Detection Probability(%)	Detection Probability Limit (%)
EHT40	5310	1 - Variable	19	95	75
		2 - Variable	19	95	75
		3 - Variable	20	100	75
		4 - Variable	20	100	75
		5 - Variable	20	100	75
		6 - Variable	20	100	75
		7 - Variable	20	100	75
		8 - Variable	20	100	75
EHT40	5510	1 - Fixed	20	100	90
		2 - Fixed	20	100	90
		3 - Fixed	20	100	90
		4 - Variable	20	100	90
		5 - Variable	20	100	90
		6 - Variable	19	95	90
		Aggregate 1 - 6	119	99.17	80
		7 - Charp	20	100	90
		8 - Hopping	20	100	80
EHT40	5710	1 - Fixed	20	100	90
		2 - Fixed	20	100	90
		3 - Fixed	20	100	90
		4 - Variable	20	100	90
		5 - Variable	20	100	90
		6 - Variable	18	90	90
		Aggregate 1 - 6	118	98.33	80
		7 - Charp	20	100	90
		8 - Hopping	20	100	80
Result		Complied			

Note:

W53: Type 1-8 limit 20 times – 75% [15] or 40 times – 60% [24]

W56: Type 1-6 limit 20 times – 90% [18] or 40 times – 60% [24]

W56: Type 7 limit 20 times – 90% [18] or 40 times – 80% [32]

W56: Type 8 limit 20 times – 80% [16] or 40 times – 70% [28]

In-service Monitoring Result

Minimum Antenna Gain (dBi)			3.96		
Detection Threshold Level (dBm)			-60.04		
Modulation Mode	Freq. (MHz)	Radar Test Signal (#)	Nr of Times Triggered (#out of 20)	Detection Probability(%)	Detection Probability Limit (%)
EHT80	5290	1 - Variable	19	95	75
		2 - Variable	19	95	75
		3 - Variable	19	95	75
		4 - Variable	19	95	75
		5 - Variable	20	100	75
		6 - Variable	20	100	75
		7 - Variable	20	100	75
		8 - Variable	20	100	75
EHT80	5530	1 - Fixed	20	100	90
		2 - Fixed	20	100	90
		3 - Fixed	20	100	90
		4 - Variable	20	100	90
		5 - Variable	20	100	90
		6 - Variable	19	95	90
		Aggregate 1 - 6	119	99.17	80
		7 - Charp	20	100	90
		8 - Hopping	20	100	80
EHT80	5690	1 - Fixed	20	100	90
		2 - Fixed	20	100	90
		3 - Fixed	20	100	90
		4 - Variable	20	100	90
		5 - Variable	20	100	90
		6 - Variable	18	90	90
		Aggregate 1 - 6	118	98.33	80
		7 - Charp	20	100	90
		8 - Hopping	20	100	80
Result		Complied			

Note:

W53: Type 1-8 limit 20 times – 75% [15] or 40 times – 60% [24]

W56: Type 1-6 limit 20 times – 90% [18] or 40 times – 60% [24]

W56: Type 7 limit 20 times – 90% [18] or 40 times – 80% [32]

W56: Type 8 limit 20 times – 80% [16] or 40 times – 70% [28]

In-service Monitoring Result

Minimum Antenna Gain (dBi)			3.96		
Detection Threshold Level (dBm)			-60.04		
Modulation Mode	Freq. (MHz)	Radar Test Signal (#)	Nr of Times Triggered (#out of 20)	Detection Probability(%)	Detection Probability Limit (%)
EHT160	5250	1 - Variable	18	90	75
		2 - Variable	18	90	75
		3 - Variable	19	95	75
		4 - Variable	18	90	75
		5 - Variable	20	100	75
		6 - Variable	20	100	75
		7 - Variable	20	100	75
		8 - Variable	20	100	75
EHT160	5570	1 - Fixed	20	100	90
		2 - Fixed	20	100	90
		3 - Fixed	20	100	90
		4 - Variable	20	100	90
		5 - Variable	20	100	90
		6 - Variable	18	90	90
		Aggregate 1 - 6	118	98.33	80
		7 - Charp	20	100	90
		8 - Hopping	20	100	80
Result		Complied			

2.3 Channel Shutdown and Non-Occupancy Period

2.3.1 Channel Shutdown and Non-Occupancy Period Limit

Channel Shutdown and Non-Occupancy Period Limit	
Channel Move Time	10 sec
Channel Closing Transmission Time	260 ms in Channel Move Time 10 sec period.
Non-occupancy period	Minimum 30 minutes

2.3.2 Test Procedure

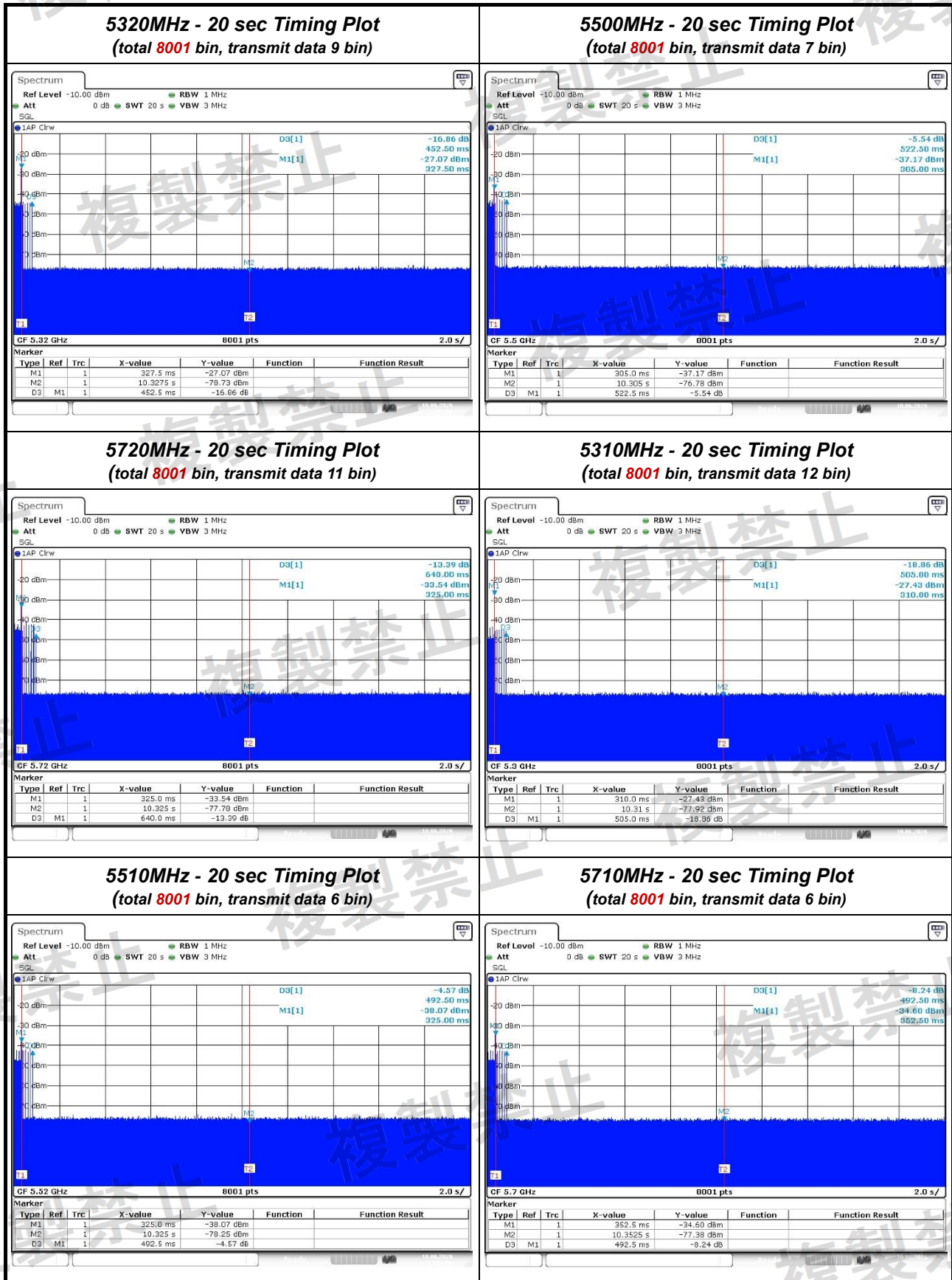
Test Method for W53	
Measuring Equipment Conditions	MIC Notice No. 88, Appendix 45
Conditions of Equipment under Test	MIC Notice No. 88, Appendix 45
Measuring Operation Procedures	MIC Notice No. 88, Appendix 45
Presentation of Results	MIC Notice No. 88, Appendix 45
Other Conditions	MIC Notice No. 88, Appendix 45

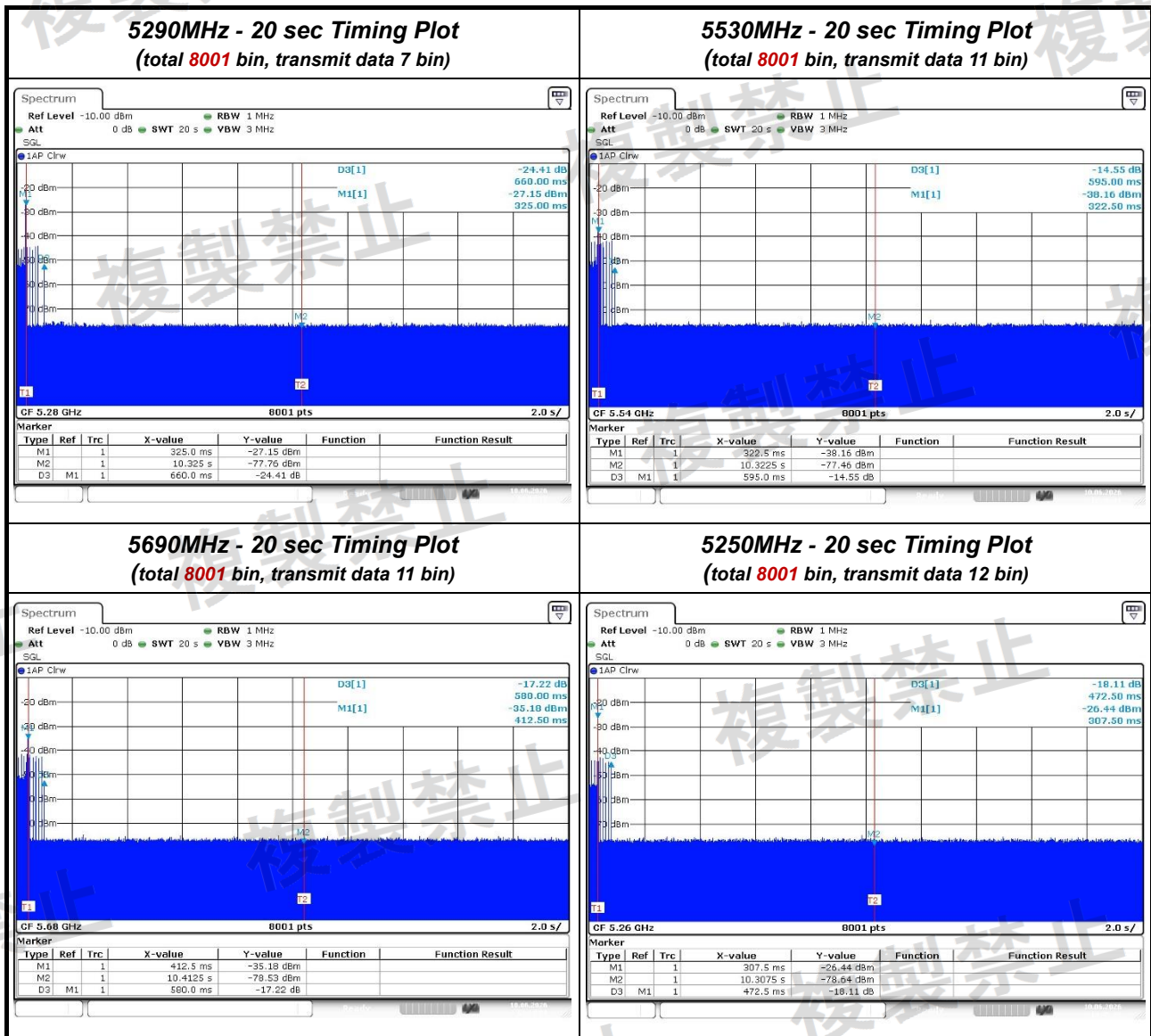
Test Method for W56	
Measuring Equipment Conditions	MIC Notice No. 88, Appendix 45
Conditions of Equipment under Test	MIC Notice No. 88, Appendix 45
Measuring Operation Procedures	MIC Notice No. 88, Appendix 45
Presentation of Results	MIC Notice No. 88, Appendix 45
Other Conditions	MIC Notice No. 88, Appendix 45

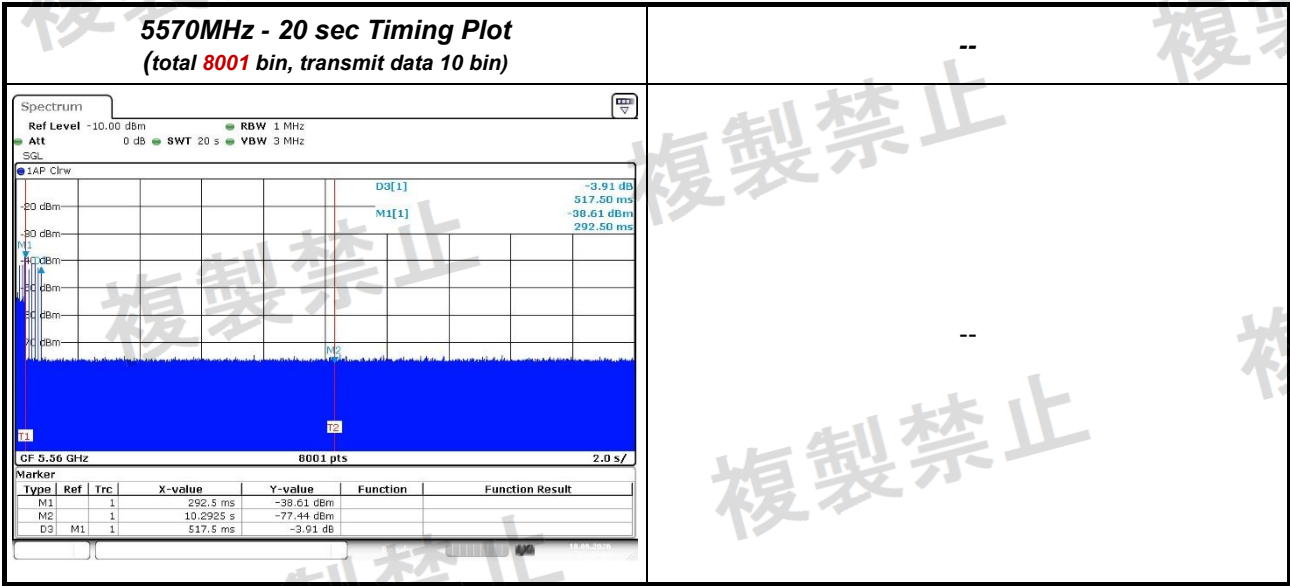
2.3.3 Test Result of Channel Shutdown

Channel Shutdown and Non-Occupancy Period Result				
Minimum Antenna Gain (dBi)			3.96	
Detection Threshold Level (dBm)			-60.04	
Modulation Mode	Freq. (MHz)	Radar Test Signal	Channel Closing Transmission Time(ms)	Channel Move Time(s)
EHT20	5320	1 - Variable	22.5	0.4525
EHT20	5500	1 - Fixed	17.5	0.5225
EHT20	5720	1 - Fixed	27.5	0.64
EHT40	5310	1 - Variable	30	0.505
EHT40	5510	1 - Fixed	15	0.4925
EHT40	5710	1 - Fixed	15	0.4925
EHT80	5290	1 - Variable	17.5	0.66
EHT80	5530	1 - Fixed	27.5	0.595
EHT80	5690	1 - Fixed	27.5	0.58
EHT160	5250	1 - Variable	30	0.4725
EHT160	5570	1 - Fixed	25	0.5175
Limit			260ms	10 sec
Result			Complied	

2.3.4 Channel Shutdown Plots



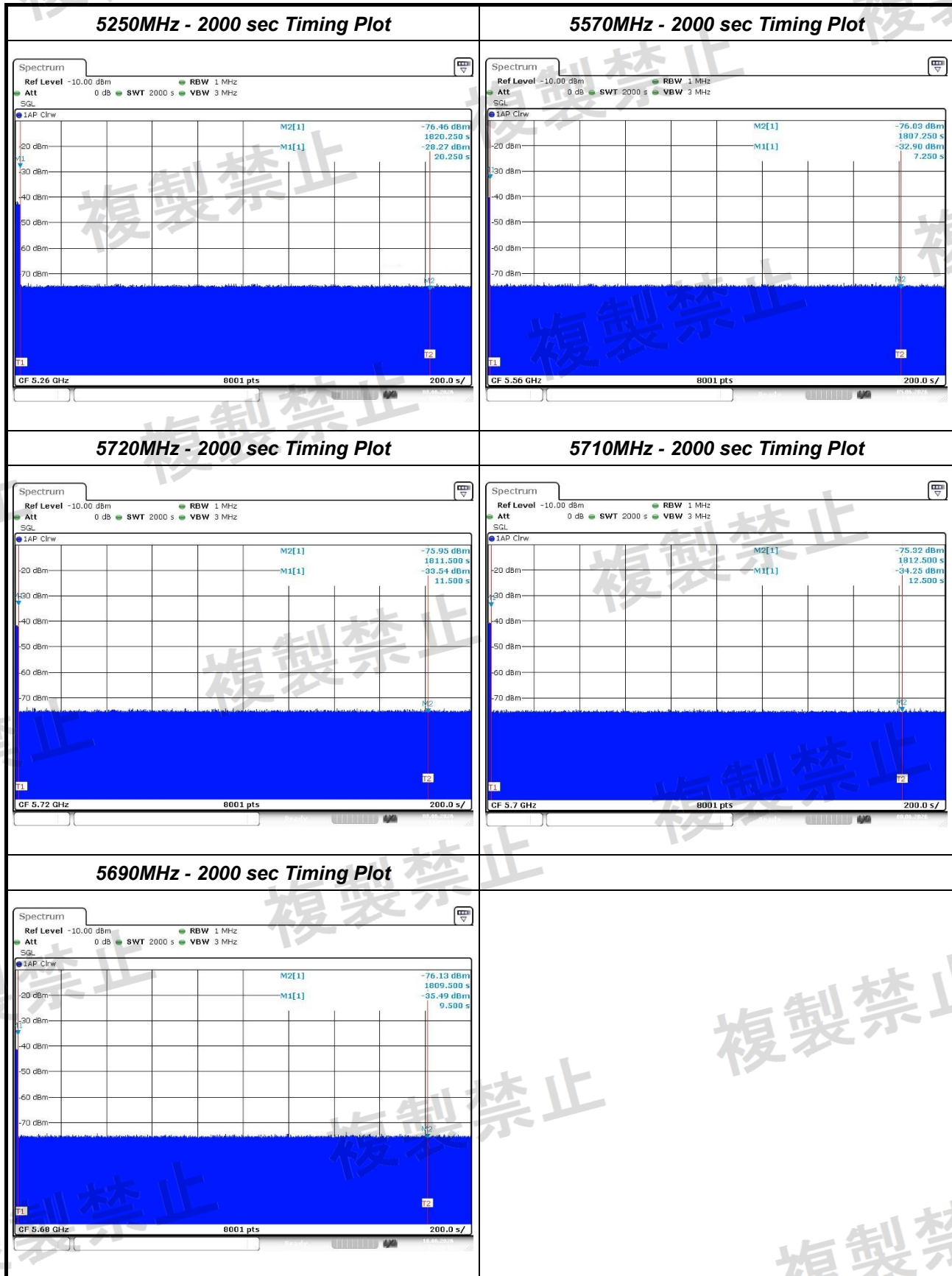




2.3.5 Test Result of Non-Occupancy Period

Non-Occupancy Period Result			
Minimum Antenna Gain (dBi)		3.96	
Detection Threshold Level (dBm)		-60.04	
Modulation Mode	Freq. (MHz)	Radar Test Signal	Non-Occupancy Period(min)
EHT20	5720	1 - Fixed	>30
EHT40	5710	1 - Fixed	>30
EHT80	5690	1 - Fixed	>30
EHT160	5250	1 - Variable	>30
EHT160	5570	1 - Fixed	>30
Limit		30 min	
Result		Complied	

2.3.6 Non-Occupancy Period Plots



3 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 Corporation (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 <https://www.icertifi.com.tw>.

Linkou

Tel: 886-2-2601-1640

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(R.O.C.)

Kwei Shan

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No.2-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

Kwei Shan Site II

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St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

Zhonghe

Tel: 886-2-2222-0288

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Taiwan (R.O.C.)

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

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Email: ICC_Service@icertifi.com.tw

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