

Page: 1 of 9

## **MAXIMUM PERMISSIBLE EXPOSURE (MPE)**

### 1.1 Standard Applicable:

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

This is a Mobile device, the MPE is required.

According to §1.1310 and §2.1093 RF exposure is calculated.

Limits for Maximum Permissive Exposure (MPE)

Frequency Range	Electric Field	Magnetic Field	Power Density	Averaging Time						
(MHz)	Strength (V/m)	Strength (A/m)	(mW/cm <sup>2</sup> )	(minute)						
	Limits for General Population/Uncontrolled Exposure									
0.3-1.34	614	1.63	*(100)	30						
1.34-30	824/f	2.19/f	*(180/f <sup>2</sup> )	30						
30-300	27.5	0.073	0.2	30						
300-1500	/	/	F/1500	30						
1500-15000	/	/	1.0	30						

F = frequency in MHz

# Prediction of MPE limit at a given distance Equation from page 18 of OET Bulletin 65, Edition 97-01

 $S=PG/4\pi R^2$ 

Where: S = Power density

P = Power input to antenna

G = Power gain of the antenna in the direction of interest relative to an isotropic radiator

R = Distance to the center of radiation of the antenna

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="https://www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="https://www.sgs.com/terms">www.sgs.com/terms</a> e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law

SGS Taiwan Ltd. No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

<sup>\* =</sup> Plane-wave equipment power density



Page: 2 of 9

# 802.11a Max. output power

#### 802.11a MIMO

011	Frequency	Data	Data AVERAGE POWER (dBm)			TOTAL TOTAL	REQUIRED	DEGLUT		
СН	(MHz)	Rate	CH 0	CH 1	CH 2	CH3	POWER (dBm)	POWER (mW)	LIM IT (dBm)	RESULT
36	5180	MCS24	12.41	12.06	12.59	12.9	18.52	71.141	30	PASS
44	5220	MCS24	22.87	21.34	21.46	21.14	27.78	599.762	30	PASS
48	5240	MCS24	22.91	21.35	21.41	21.11	27.78	599.371	30	PASS
149	5745	MCS24	22.78	22.76	23.03	22.27	28.74	748.034	30	PASS
157	5785	MCS24	22.02	22.38	22.53	21.81	28.21	662.968	30	PASS
165	5825	MCS24	21.95	22.21	22.45	22.21	28.23	665.150	30	PASS

# MPE Prediction (802.11a 5150~5250)

Max. output power including tune-up tolerancel:	27.78	(dBm)
Max. output power including tune-up tolerancel:	599.79108	(mW)
Duty cycle:	80.66	(%)
Maximum Pav :	483.79148	(mW)
Peak Antenna gain (Maximum):	4.58	(dBi)
Peak Antenna gain (linear):	2.8707806	(numeric)
Prediction distance:	20	(cm)
Prediction frequency:	5220	(MHz)
MPE limit for uncontrolled exposure at prediction	1	(mW/cm2)
Power density at predication frequency at 20 (cm)	0.276	(mW/cm^2)

### **Measurement Result**

The predicted power density level at 20 cm is 0.276 mW/cm2.

This is below the uncontrolled exposure limit of 1 mW/cm2 at 5220MHz.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,比報告结果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="https://www.sgs.com/terms\_e-document.htm">www.sgs.com/terms\_e-document.htm</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or approval of this document is unlawful and offenders may be prosecuted to the fullest extent of the law pearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

f (886-2) 2298-0488

No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號



Page: 3 of 9

# MPE Prediction (802.11a 5725~5850)

Max. output power including tune-up tolerancel:	28.74	(dBm)
Max. output power including tune-up tolerancel:	748.1695	(mW)
Duty cycle:	80.66	(%)
Maximum Pav :	603.47352	(mW)
Peak Antenna gain (Maximum):	4.58	(dBi)
Peak Antenna gain (linear):	2.8707806	(numeric)
Prediction distance:	20	(cm)
Prediction frequency:	5745	(MHz)
MPE limit for uncontrolled exposure at prediction	1	(mW/cm2)
Power density at predication frequency at 20 (cm)	0.345	(mW/cm^2)

### **Measurement Result**

The predicted power density level at 20 cm is 0.345 mW/cm2.

This is below the uncontrolled exposure limit of 1 mW/cm2 at 5745MHz.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,比報告结果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="https://www.sgs.com/terms\_e-document.htm">www.sgs.com/terms\_e-document.htm</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or approval of this document is unlawful and offenders may be prosecuted to the fullest extent of the law pearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

SGS Taiwan Ltd.

f (886-2) 2298-0488 www.tw.sqs.com



Page: 4 of 9

### 802.11n\_HT20M Max. output power

#### 802.11n\_HT20\_MIMO

СН	Frequency Data	y Data AVERAGE POWER (dBm)		dBm)	TOTAL TOTAL POWER POWER		REQUIRED LIMIT	RESULT		
On	(MHz)	Rate	CH 0	CH 1	CH 2	СНЗ	(dBm)	(mW)	(dBm)	RESULI
36	5180	MCS24	13.14	12.86	13.29	13.63	19.26	84.324	30	PASS
44	5220	MCS24	22.87	23.08	22.98	22.88	28.97	789.576	30	PASS
48	5240	MCS24	22.81	22.98	22.94	22.86	28.92	779.580	30	PASS
149	5745	MCS24	22.98	22.62	23.03	22.76	28.87	771.128	30	PASS
157	5785	MCS24	22.71	23.05	23.02	22.57	28.86	769.639	30	PASS
165	5825	MCS24	21.78	22.83	22.55	22.81	28.53	713.400	30	PASS

# MPE Prediction (802.11n\_HT20 5150~5250)

MIMO gain= G+(10 logN)= 4.58+3.01= 7.59dBm

Max. output power including tune-up tolerancel:	28.97	(dBm)
Max. output power including tune-up tolerancel:	788.86012	(mW)
Duty cycle:	52.04	(%)
Maximum Pav :	410.52281	(mW)
Peak Antenna gain (Maximum):	7.59	(dBi)
Peak Antenna gain (linear):	5.7411646	(numeric)
Prediction distance:	20	(cm)
Prediction frequency:	5220	(MHz)
MPE limit for uncontrolled exposure at prediction	1	(mW/cm2)
Power density at predication frequency at 20 (cm)	0.469	(mW/cm^2)
		•

### **Measurement Result**

The predicted power density level at 20 cm is 0.469 mW/cm2.

This is below the uncontrolled exposure limit of 1 mW/cm2 at 5220MHz.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for so days only. 

除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留的天。本報告未經本公司書面許可,不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com/terms\_and\_conditions.htm">www.sgs.com/terms\_and\_conditions.htm</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="https://www.sgs.com/terms\_e-document.htm">www.sgs.com/terms\_e-document.htm</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and the within the limits of the state of the company's findings at the time of its intervention only and between the state of t Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號



Page: 5 of 9

# MPE Prediction (802.11n\_HT20 5725~5850)

MIMO gain= G+(10 logN)= 4.58+3.01= 7.59dBm

Max. output power including tune-up tolerancel:	28.87	(dBm)
Max. output power including tune-up tolerancel:	770.90347	(mW)
Duty cycle:	52.04	(%)
Maximum Pav :	401.17817	(mW)
Peak Antenna gain (Maximum):	7.59	(dBi)
Peak Antenna gain (linear):	5.7411646	(numeric)
Prediction distance:	20	(cm)
Prediction frequency:	5745	(MHz)
MPE limit for uncontrolled exposure at prediction	1	(mW/cm2)
Power density at predication frequency at 20 (cm)	0.458	(mW/cm^2)

#### Measurement Result

The predicted power density level at 20 cm is 0.458 mW/cm2.

This is below the uncontrolled exposure limit of 1 mW/cm2 at 5745MHz.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

Unless otherwise stated the results shown in this test report reter only to the sample(s) tested and sucn sample(s) are retained for 90 days orny. 除非另有說明,比報告结果僅對測試之樣品負責,同時此樣品僅保留的天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="https://www.sgs.com/terms\_e-document.htm">www.sgs.com/terms\_e-document.htm</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or approval of this document is unlawful and offenders may be prosecuted to the fullest extent of the law pearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

f (886-2) 2298-0488



Page: 6 of 9

### 802.11n\_HT40M Max. output power

802.11n\_HT40\_MIMO

СН	Fre quency	Data	AVE	RAGEP	OWER (	dBm)	TOTAL POWER	TOTAL POWER	REQUIRED LIMIT	RESULT	
Cit	(MHz)	Rate	CH 0	CH 1	CH 2			(mW)	(dBm)	KESOEI	
38	5190	MCS24	16.31	16.59	16.06	15.85	22.23	167.184	30	PASS	
46	5230	MCS24	22.83	23.05	22.93	22.91	28.95	785.473	30	PASS	
151	5755	MCS24	21.96	22.08	22.01	21.88	28.00	631.497	30	PASS	
159	5795	MCS24	22.77	23.23	23.22	23	29.08	809.032	30	PASS	

### MPE Prediction (802.11n\_HT40 5150~5250)

MIMO gain= G+(10 logN)= 4.58+3.01= 7.59dBm

Max. output power including tune-up tolerancel:	28.95	(dBm)
Max. output power including tune-up tolerancel:	785.23563	(mW)
Duty cycle:	37.73	(%)
Maximum Pav :	296.2694	(mW)
Peak Antenna gain (Maximum):	7.59	(dBi)
Peak Antenna gain (linear):	5.7411646	(numeric)
Prediction distance:	20	(cm)
Prediction frequency:	5230	(MHz)
MPE limit for uncontrolled exposure at prediction	1	(mW/cm2)
Power density at predication frequency at 20 (cm)	0.339	(mW/cm^2)

### **Measurement Result**

The predicted power density level at 20 cm is 0.339 mW/cm2.

This is below the uncontrolled exposure limit of 1 mW/cm2 at 5230MHz.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for so days only. 

除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留的天。本報告未經本公司書面許可,不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com/terms\_and\_conditions.htm">www.sgs.com/terms\_and\_conditions.htm</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="https://www.sgs.com/terms\_e-document.htm">www.sgs.com/terms\_e-document.htm</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and the within the limits of the state of the company's findings at the time of its intervention only and between the state of t Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 www.tw.sqs.com



Page: 7 of 9

## MPE Prediction (802.11n\_HT40 5725~5850)

### MIMO gain= G+(10 logN)= 4.58+3.01= 7.59dBm

Average output power at antenna input terminal:	29.08	(dBm)
Average output power at antenna input terminal:	809.0959	(mW)
Duty cycle:	37.73	(%)
Maximum Pav :	305.27188	(mW)
Peak Antenna gain (Maximum):	7.59	(dBi)
Peak Antenna gain (linear):	5.7411646	(numeric)
Prediction distance:	20	(cm)
Prediction frequency:	5795	(MHz)
MPE limit for uncontrolled exposure at prediction	1	(mW/cm2)
Power density at predication frequency at 20 (cm)	0.349	(mW/cm^2)

### **Measurement Result**

The predicted power density level at 20 cm is 0.349 mW/cm2.

This is below the uncontrolled exposure limit of 1 mW/cm2 at 5795MHz.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for so days only. 

除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留的天。本報告未經本公司書面許可,不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com/terms\_and\_conditions.htm">www.sgs.com/terms\_and\_conditions.htm</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="https://www.sgs.com/terms\_e-document.htm">www.sgs.com/terms\_e-document.htm</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and the within the limits of the state of the company's findings at the time of its intervention only and between the state of t Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.



Page: 8 of 9

### 802.11ac VHT80M Max. output power

802.11ac VHT80 MIMO

СН	Frequency	Data	Data AVER AGI		AGE POWER (dBm)			TOTAL POWER	REQUIRED LIMIT	RESULT
(MHz)	Rate	CH 0	CH 1	CH 2	СНЗ	POWER (dBm)	(mW)	(dBm)	RESULI	
42	5210	MCS0	14.02	14.18	14.29	14.02	20.15	103.505	30	PASS
155	5775	MCS0	16.93	17.28	17.45	16.82	23.15	206.448	30	PASS

## MPE Prediction (802.11ac\_VHT80 5150~5250)

MIMO gain= G+(10 logN)= 4.58+3.01= 7.59dBm

Average output power at antenna input terminal:	20.15	(dBm)
Average output power at antenna input terminal:	103.51422	(mW)
Duty cycle:	26.76	(%)
Maximum Pav :	27.700404	(mW)
Peak Antenna gain (Maximum):	7.59	(dBi)
Peak Antenna gain (linear):	5.7411646	(numeric)
Prediction distance:	20	(cm)
Prediction frequency:	5210	(MHz)
MPE limit for uncontrolled exposure at prediction	1	(mW/cm2)
Power density at predication frequency at 20 (cm)	0.032	(mW/cm <sup>2</sup> )

#### **Measurement Result**

The predicted power density level at 20 cm is 0.032 mW/cm2.

This is below the uncontrolled exposure limit of 1 mW/cm2 at 5210MHz.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for so days only. 

除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留的天。本報告未經本公司書面許可,不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com/terms\_and\_conditions.htm">www.sgs.com/terms\_and\_conditions.htm</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="https://www.sgs.com/terms\_e-document.htm">www.sgs.com/terms\_e-document.htm</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and the within the limits of the state of the company's findings at the time of its intervention only and between the state of t Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.



Page: 9 of 9

# MPE Prediction (802.11ac\_VHT80 5725~5850)

### MIMO gain= G+(10 logN)= 4.58+3.01= 7.59dBm

Average output power at antenna input terminal:	23.15	(dBm)
Average output power at antenna input terminal:	206.53802	(mW)
Duty cycle:	26.76	(%)
Maximum Pav :	55.269573	(mW)
Peak Antenna gain (Maximum):	7.59	(dBi)
Peak Antenna gain (linear):	5.7411646	(numeric)
Prediction distance:	20	(cm)
Prediction frequency:	5775	(MHz)
MPE limit for uncontrolled exposure at prediction	1	(mW/cm2)
Power density at predication frequency at 20 (cm)	0.063	(mW/cm^2)

### **Measurement Result**

The predicted power density level at 20 cm is 0.063 mW/cm2.

This is below the uncontrolled exposure limit of 1 mW/cm2 at 5775MHz.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for so days only. 

除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留的天。本報告未經本公司書面許可,不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com/terms\_and\_conditions.htm">www.sgs.com/terms\_and\_conditions.htm</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="https://www.sgs.com/terms\_e-document.htm">www.sgs.com/terms\_e-document.htm</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and the within the limits of the state of the company's findings at the time of its intervention only and between the state of t Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號