

**ELECTROMAGNETIC EMISSIONS  
COMPLIANCE REPORT**

**Applicant:** HP Inc.  
1501 Page Mill Road, Palo Alto CA 94304 USA  
**Manufacturer:** HP Inc.  
1501 Page Mill Road, Palo Alto CA 94304 USA  
**Product Name:** Notebook Computer  
**Brand Name:** HP  
**Model No.:** HSN-I62C  
**Report Number:** TERF2412003866ER  
**FCC ID** B94HNI62KLR  
**Date of EUT Received:** November 29, 2024  
**Date of Test:** December 3, 2024 ~ January 15, 2025  
**Issue Date:** January 20, 2025

Alex Hsieh

Approved By

Alex Hsieh

**We hereby certify that:**

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.26-2015 and the energy emitted by the sample EUT comply with FCC rule part 2, 96.

The results of this report relate only to the sample identified in this report.

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

## Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2412003866ER	00	Original	January 20, 2025	Yuri Tsai	

**Note:**

- 1、The remark "" indicates modification of the report upon requests from certification body.

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

## Contents

1	GENERAL PRODUCT INFORMATION .....	4
2	SYSTEM TEST CONFIGURATION .....	13
3	SUMMARY OF TEST RESULTS .....	15
4	DESCRIPTION OF TEST MODES .....	16
5	MEASUREMENT UNCERTAINTY .....	18
6	MEASUREMENT EQUIPMENT USED.....	19
7	MAXIMUM OUTPUT POWER MEASUREMENT .....	23
8	FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT .....	48
9	PHOTOGRAPHS OF SET UP .....	86
10	PHOTOGRAPHS OF EUT.....	86

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

## 1 GENERAL PRODUCT INFORMATION

### 1.1 Product Description

Product Name:	Notebook Computer
Brand Name:	HP
Model No.:	HSN-I62C
Hardware Version:	N/A
Firmware Version:	N/A
EUT Series No.:	0004770LGB/ 0004770LHH/ 0004770M56
Power Supply:	5 /9 /12 /15 /20 Vdc from adapter or 11.58Vdc from battery
Integrated WWAN Module:	Brand Name: Rolling Wireless Model Name: RW350R-GL
Test Software (Name/Version)	Default(connection with call box)

### 1.2 Antenna Designation

Antenna Type	Supplier	Antenna Model No.	NB / TB Mode	Antenna No.	Remark
PIFA	Vendor 1	6036B0370401 (00-330270505L)	NB	Ant5	Ant0
				Ant8	Ant1
		6036B0370401 (00-330270505L)	TB	Ant5	Ant2
				Ant8	Ant3
	Vendor 2	6036B0366201 (81ELBF15.G36)	NB	Ant5	Ant4
				Ant8	Ant5
		6036B0366201 (81ELBF15.G36)	TB	Ant5	Ant6
				Ant8	Ant7
Note: Transmission frequencies in this test report are only available by the above antenna(s).					

Type	Modulation	Frequency (MHz)	Peak Antenna Gain (dBi)							
			Ant0	Ant1	Ant2	Ant3	Ant4	Ant5	Ant6	Ant7
PIFA	LTE-Band 42	3400 ~ 3500	-1.19	0.76	-1.58	-0.77	0.85	1.58	-1.13	-0.52
	LTE-Band 43	3600 ~ 3800		1.85		-0.49		1.39		-0.52
	LTE-Band 48	3550 ~ 3700	-1.19	0.76	-1.58	-0.49	0.85	0.93	-1.83	-0.52
	NR Band 48	3550 ~ 3700	-1.19	0.76	-1.58	-0.49	0.85	0.93	-1.83	-0.52

**Note:** Antenna information is provided by the applicant.

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

### 1.3 Operation Frequencies

LTE Band 42 Part96			
BW (MHz)	Operation Frequency (MHz)		
5	3552.5	-	3597.5
10	3555.0	-	3595.0
15	3557.5	-	3592.5
20	3560.0	-	3590.0
LTE Band 43 Part96			
BW (MHz)	Operation Frequency (MHz)		
5	3602.5	-	3697.5
10	3605.0	-	3695.0
15	3607.5	-	3692.5
20	3610.0	-	3690.0
LTE Band 48			
BW (MHz)	Operation Frequency (MHz)		
5	3552.5	-	3697.5
10	3555.0	-	3695.0
15	3557.5	-	3692.5
20	3560.0	-	3690.0

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

LTE Band 42C_Part 96
Operation Frequency (MHz)
3550~3600
BW (MHz)
5MHz+20MHz
20MHz+5MHz
10MHz+20MHz
20MHz+10MHz
15MHz+20MHz
20MHz+15MHz
20MHz+20MHz
LTE Band 48C
Operation Frequency (MHz)
3550~3700
BW (MHz)
5MHz+20MHz
20MHz+5MHz
10MHz+20MHz
20MHz+10MHz
15MHz+20MHz
20MHz+15MHz
20MHz+20MHz

NR Band 48			
BW (MHz)	Operation Frequency (MHz)		
10	3555.0	-	3695.0
15	3557.5	-	3692.5
20	3560.0	-	3690.0
30	3565.0	-	3685.0
40	3570.0	-	3680.0

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

## 1.4 Maximum ERP/EIRP

LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm/10MHz)		(W)
42	5	3552.5	3597.5	QPSK	22.95	EIRP	<b>0.197</b>
				16QAM	22.09	EIRP	<b>0.162</b>
				64QAM	20.81	EIRP	<b>0.121</b>
				256QAM	17.91	EIRP	<b>0.062</b>
42	10	3555.0	3595.0	QPSK	22.76	EIRP	0.189
				16QAM	22.07	EIRP	0.161
				64QAM	20.79	EIRP	0.120
				256QAM	17.90	EIRP	0.062
42	15	3557.5	3592.5	QPSK	22.85	EIRP	0.193
				16QAM	22.03	EIRP	0.160
				64QAM	20.76	EIRP	0.119
				256QAM	17.86	EIRP	0.061
42	20	3560.0	3590.0	QPSK	22.85	EIRP	0.193
				16QAM	22.01	EIRP	0.159
				64QAM	20.76	EIRP	0.119
				256QAM	17.86	EIRP	0.061
LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm/10MHz)		(W)
43	5	3602.5	3697.5	QPSK	22.87	EIRP	<b>0.194</b>
				16QAM	22.02	EIRP	0.159
				64QAM	20.73	EIRP	0.118
				256QAM	17.87	EIRP	<b>0.061</b>
43	10	3605.0	3695.0	QPSK	22.84	EIRP	0.192
				16QAM	22.03	EIRP	<b>0.160</b>
				64QAM	20.74	EIRP	<b>0.119</b>
				256QAM	17.85	EIRP	0.061
43	15	3607.5	3692.5	QPSK	22.83	EIRP	0.192
				16QAM	21.97	EIRP	0.157
				64QAM	20.74	EIRP	<b>0.119</b>
				256QAM	17.86	EIRP	0.061
43	20	3610.0	3690.0	QPSK	22.80	EIRP	0.191
				16QAM	22.00	EIRP	0.158
				64QAM	20.70	EIRP	0.117
				256QAM	17.79	EIRP	0.060

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm/10MHz)		(W)
48	5	3552.5	3697.5	QPSK	22.40	EIRP	0.174
				16QAM	21.54	EIRP	0.143
				64QAM	20.27	EIRP	0.106
				256QAM	17.35	EIRP	0.054
48	10	3555.0	3695.0	QPSK	22.38	EIRP	0.173
				16QAM	21.55	EIRP	<b>0.143</b>
				64QAM	20.29	EIRP	<b>0.107</b>
				256QAM	17.36	EIRP	0.054
48	15	3557.5	3692.5	QPSK	22.34	EIRP	0.171
				16QAM	21.52	EIRP	0.142
				64QAM	20.26	EIRP	0.106
				256QAM	17.33	EIRP	0.054
48	20	3560.0	3690.0	QPSK	22.93	EIRP	<b>0.196</b>
				16QAM	21.47	EIRP	0.140
				64QAM	20.21	EIRP	0.105
				256QAM	17.37	EIRP	<b>0.055</b>

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)
42C_Part 96	25	3552.5	3590.0	QPSK	21.19	EIRP	0.132
				16QAM	20.20	EIRP	0.105
42C_Part 96	30	3555.0	3590.0	QPSK	21.22	EIRP	<b>0.132</b>
				16QAM	20.26	EIRP	0.106
42C_Part 96	35	3560.0	3595.0	QPSK	21.21	EIRP	<b>0.132</b>
				16QAM	20.35	EIRP	0.108
42C_Part 96	40	3560.0	3592.5	QPSK	21.40	EIRP	<b>0.138</b>
				16QAM	20.61	EIRP	0.115
				64QAM	18.35	EIRP	0.068
				256QAM	16.34	EIRP	0.043
LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)
48C	25	3553.3	3690.0	QPSK	21.17	EIRP	<b>0.131</b>
				16QAM	20.29	EIRP	0.107
48C	30	3555.5	3690.0	QPSK	21.10	EIRP	0.129
				16QAM	20.18	EIRP	0.104
48C	35	3557.8	3690.0	QPSK	21.17	EIRP	<b>0.131</b>
				16QAM	20.26	EIRP	0.106
48C	40	3560.0	3690.0	QPSK	21.19	EIRP	<b>0.131</b>
				16QAM	20.05	EIRP	0.101
				64QAM	17.74	EIRP	0.059
				256QAM	15.95	EIRP	0.039

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

5G NR Band n48_Part96_Uplink frequency band : 3550 to 3700 MHz						
Bandwidth (MHz)	Low Frequency (MHz)	Upper Frequency (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)
10	3555	3694.98	DFT-s PI/2 BPSK	20.91	20.91	0.123
			DFT-s QPSK	20.86	20.86	0.122
			DFT-s QAM	19.80	19.80	0.095
			CP QPSK	19.28	19.28	0.085
			CP QAM	18.57	18.57	0.072
15	3557.52	3692.49	DFT-s PI/2 BPSK	21.37	21.37	0.137
			DFT-s QPSK	21.21	21.21	0.132
			DFT-s QAM	19.72	19.72	0.094
			CP QPSK	19.30	19.30	0.085
			CP QAM	18.94	18.94	0.078
20	3560.01	3690	DFT-s PI/2 BPSK	21.17	21.17	0.131
			DFT-s QPSK	21.26	21.26	0.134
			DFT-s QAM	20.42	20.42	0.110
			CP QPSK	19.47	19.47	0.089
			CP QAM	19.23	19.23	0.084
30	3565.02	3684.99	DFT-s PI/2 BPSK	21.19	21.19	0.132
			DFT-s QPSK	21.17	21.17	0.131
			DFT-s QAM	19.95	19.95	0.099
			CP QPSK	19.21	19.21	0.083
			CP QAM	18.83	18.83	0.076
40	3570	3679.98	DFT-s PI/2 BPSK	21.19	21.19	0.132
			DFT-s QPSK	21.18	21.18	0.131
			DFT-s QAM	19.84	19.84	0.096
			CP QPSK	18.99	18.99	0.079
			CP QAM	18.84	18.84	0.077

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

## 1.5 Test Methodology of Applied Standards

FCC 47 CFR Part 2, Part 96E

ANSI C63.26-2015

ANSI/ITA C603-E.2016

KDB 971168 D01 Power Meas license Digital System v03r01

KDB 940660 D01 Part 96 CBRS Eqpt v02

KDB 412172 D01 Determining ERP and EIRP V01r01

## 1.6 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation number	IC CAB identifier
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan.	SAC 1	TW0027	TW3702
		SAC 2		
		SAC 3		
		Conduction 1		
		Conducted 1		
		Conducted 2		
		Conducted 3		
		Conducted 4		
		Conducted 5		
		Conducted 6		
	No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333	Conduction C	TW0028	
		SAC C		
		SAC D		
		SAC G		
		Conducted A		
		Conducted B		
		Conducted C		
		Conducted D		
		Conducted E		
		Conducted F		
Conducted G				
<b>Note:</b> Test site name is remarked on the equipment list in each section of this report as an indication where measurements occurred in specific test site and address.				

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

### 1.7 Special Accessories

No special accessories were used during testing.

### 1.8 Equipment Modifications

There was no modifications incorporated into the EUT.

### 1.9 Radiated Emission Test Sites For Measurements From 9 kHz To 30 MHz

Radiated emission below 30MHz is measured in a 9m\*9m\*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

## 2 SYSTEM TEST CONFIGURATION

### 2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

### 2.2 EUT Exercise

The EUT (Transmitter) was operated in the continuous transmission mode employed with the simulator of the Base Station that fixates at test default channels to fix the Tx frequency which was for the purpose of the measurements.

### 2.3 Test Procedure

#### 2.3.1 Conducted Measurement at Antenna Port

The EUT is placed on a table which is 0.8 m above ground plane. A low loss of RF cable was used to connect the antenna port of EUT to measurement equipment.

#### 2.3.2 Radiated Emissions (ERP/EIRP)

The EUT is placed on a turn table, for emission measurements below 1 GHz is 0.8 m above ground plane, for emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both Horizontal and Vertical. In order to find out the max. emission, the relative positions of this transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.

### 2.4 Measurement Results Explanation Example

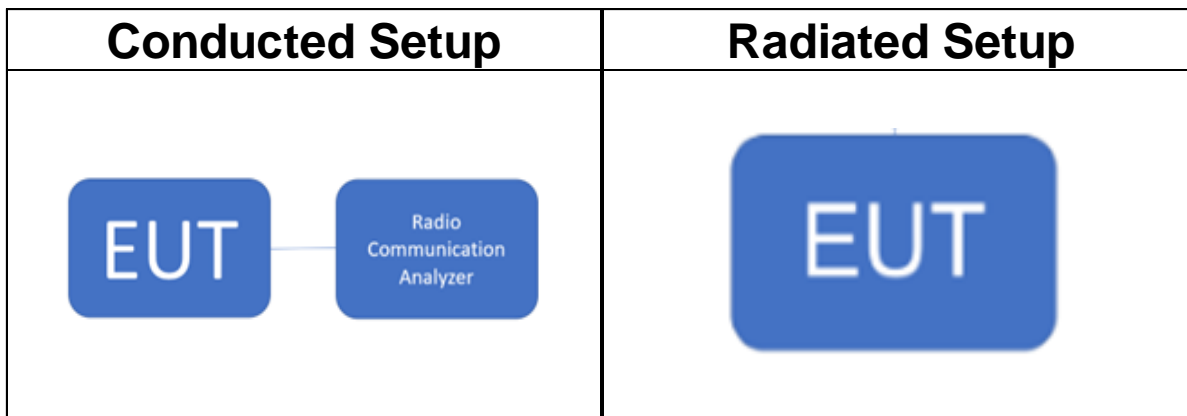
#### For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.

#### Note:

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

## 2.5 Test Configuration



**Note:** Radio Communication Analyzer is placed in remote side for radiated test.

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

### 3 SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§2.1046(a) §96.41(b)	Maximum Power Output	Compliant
§2.1053, §96.41(e)	FIELD STRENGTH OF SPU- RIOUS RADIATION	Compliant

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

## 4 DESCRIPTION OF TEST MODES

### 4.1 The Test Channel Details

This device supports with carrier aggregation (two carrier) uplink. Intra-Band contiguous and Inter-Band non-contiguous specification as below:

E-UTRA Intra-Band CA configuration / Bandwidth combination set		
E-UTRA CA configuration	Component carriers in order of in-creasing carrier frequency Channel bandwidth for PCC and SCC [MHz]	Maximum ag-gregated band-width [MHz]
CA_48C	5+20 / 20+5	25
	10+20 / 20+10	30
	15+20 / 20+15	35
	20+20	40
CA_42C	5+20 / 20+5	25
	10+20 / 20+10	30
	15+20 / 20+15	35
	20+20	40

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

## 4.2 The Worst Test Modes

1. The EUT has been tested under operating condition.
2. Pre-Scan has been conducted to determine the worst-case scenario from all possible combinations among available modulations, data rates and antenna ports, the worst case configurations listed below for the final test.
3. The field strength of radiated emission was measured as the EUT positioned in different orthogonal planes (E1/E2/H) based on actual usage of the EUT to pre-scan the emissions for determining the worst case scenario.

## 4.3 Measurement Configuration

### Mode: LTE

Test Items				Max. Output Power												
Band	Test Channel			Bandwidth (MHz)						Modulation				RB #		
	L	M	H	1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full
42	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v	v
43	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v	v
48	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v	v

Test Items				Radiated Emission												
Band	Test Channel			Bandwidth (MHz)						Modulation				RB #		
	L	M	H	1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full
42	v	v	v	-	-	v	-	-	-	v	-	-	-	v	-	-
43	v	v	v	-	-	v	-	-	-	v	-	-	-	v	-	-
48	v	v	v	-	-	-	-	-	v	v	-	-	-	v	-	-

### Mode: ULCA

Test Items	Band	Test Channel			Bandwidth (MHz)								Modulation				RB #				
		L	M	H	8	10	15	20	25	30	35	40	QPSK	16QAM	64QAM	256QAM	Edge left + Edge right	Edge left + Edge left	Edge right + Edge right	Edge right + Edge left	Full
Max. Output Power	48C	v	v	v					v	v	v	v	v	v	v	v				v	
	42C(Part 96)	v	v	v					v	v	v	v	v	v	v	v				v	

Test Items	Band	Test Channel			Bandwidth (MHz)								Modulation				RB #				
		L	M	H	8	10	15	20	25	30	35	40	QPSK	16QAM	64QAM	256QAM	Edge left + Edge right	Edge left + Edge left	Edge right + Edge right	Edge right + Edge left	Full
Radiated Emission	48C	v	v	v								v	v							v	
	42C(Part 96)	v	v	v								v	v							v	

### Mode: 5GNR

Test Items	Band	Test Channel			Bandwidth (MHz)														Modulation DFT-s-OFDM					Modulation CP-OFDM				RB #								
		L	M	H	5	10	15	20	25	30		40	45	50	60	70	80	90	100	BPSK	QPSK	16 QAM	64 QAM	256 QAM	QPSK	16 QAM	64 QAM	256 QAM	Edge 1RB_Left	Edge 1RB_Right	Inner 1RB_Left	Inner 1RB_Right	Inner Full	Outer Full		
Conducted Power	48	v	v	v		v	v	v		v										v	v	v	v	v	v	v	v	v					v	v	v	v
Radiated Emission	(part96)	v	v	v																v												v				

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

## 5 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
Power Density	+/- 0.61 dB
RF Power Output	+/- 0.97 dB
ERP/ EIRP measurement	+/- 2.15 dB
	+/- 2.15 dB
Emission Bandwidth	+/- 1.38 Hz
Out of Band Emissions at Antenna Terminals and Band Edge	+/- 0.77 dB
Peak to Average Ratio	+/- 0.97 dB
Frequency Stability vs. Temperature	+/- 1.48 Hz
Frequency Stability vs. Voltage	+/- 1.48 Hz
Temperature	+/- 0.6 °C
Humidity	+/- 3 %
DC / AC Power Source	+/- 1 %

Radiated Spurious Emission Measurement Uncertainty			
Polarization: Vertical	+/-	1.89 dB	9kHz~30MHz
	+/-	4.15 dB	30MHz - 1000MHz
	+/-	3.43 dB	1GHz - 18GHz
	+/-	3.86 dB	18GHz - 40GHz
Polarization: Horizontal	+/-	1.89 dB	9kHz~30MHz
	+/-	4.02 dB	30MHz - 1000MHz
	+/-	3.43 dB	1GHz - 18GHz
	+/-	3.86 dB	18GHz - 40GHz
Radiated Spurious Emission	+/-	2 dB	33GHz-50GHz
	+/-	1.59 dB	50GHz-60GHz
	+/-	1.7 dB	60GHz-90GHz
	+/-	1.64 dB	90GHz-140GHz
	+/-	3.83 dB	140GHz-220GHz

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

## 6 MEASUREMENT EQUIPMENT USED

### 6.1 Conducted Measurement

#### Mode: LTE

Conducted Emission Test Site: Conducted 4					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Radio Communication Analyzer	Anritsu	MT8821C	6262044751	11/04/2024	11/03/2025

#### Mode: ULCA

Conducted Emission Test Site: Conducted 4					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Radio Communication Analyzer	Anritsu	MT8821C	6262044751	11/04/2024	11/03/2025

#### Mode: 5GNR

Conducted Emission Test Site: Conducted 4					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Radio Communication Analyzer	KEYSIGHT	E7515B	MY60191250	01/14/2024	01/13/2025

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

## 6.2 Radiated Measurement

Mode: LTE

Radiated Emission Test Site: SAC 3					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
4G High Pass Filter	WI	WHKX4.0	22	12/11/2024	12/10/2025
Attenuator	Mini-Circuits	BW-S10W2+	16	12/11/2024	12/10/2025
Band Reject Filter 3300-3900	WI	WRCGV3400/3800- 3300/3900-40/12SS	1	12/11/2024	12/10/2025
Bi-log Antenna	SCHWARZBECK	VULB9168	1208	07/17/2024	07/16/2025
Bi-log Antenna	SCHWARZBECK	VULB9168	378	08/09/2024	08/08/2025
Coaxial Cables	EMCI+Huber Suhner	EMC107-SM-SM- 1000 +SUCOFLEX 104PEA +EMC107-SM-SM- 1500 +SUCOFLEX 106	RX Cable 9K-18G (221110+MY4251/4 PEA+221106+76096 /6)	08/30/2024	08/29/2025
Coaxial Cables	Huber Suhner	SUCOFLEX 102	RX Cable 18G-40G MY2630/2+805062/ 2	08/30/2024	08/29/2025
Coaxial Cables	Huber Suhner	SUCOFLEX 102+SUCOFLEX 106	TX Cable 30M-40G 23051/2+76096/6+2 2962/2	08/30/2024	08/29/2025
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY63440386	02/06/2024	02/05/2025
Horn Antenna	Schwarzbeck	BBHA9170	185	08/15/2024	08/14/2025
Horn Antenna	RF SPIN	DRH0844	LE2D05A0844	07/10/2024	07/09/2025
Horn Antenna	SCHWARZBECK	BBHA9120D	1441	09/23/2024	09/22/2025
Horn Antenna	SCHWARZBECK	BBHA9120D	603	05/15/2024	05/14/2025
Network Analyzer	R&S	ZNB 40	101842	05/16/2024	05/15/2025
Pre-Amplifier	EMCI	EMC118A45SEE	980868	08/30/2024	08/29/2025
Pre-Amplifier	EMCI	EMC184045SEE	9080939	08/30/2024	08/29/2025
Pre-Amplifier	HP	8447D	2944A07676	08/30/2024	08/29/2025
Radio Communication Analyzer	Anritsu	MT8821C	6262044670	08/23/2024	08/22/2025
Site Cal	SGS	SAC 3	N/A	08/30/2024	08/29/2025
Test Software	Audix	e3	Ver. 9.210616	N.C.R	N.C.R

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

## Mode: ULCA

Radiated Emission Test Site: SAC 2					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
4G High Pass Filter	WI	WHKX4.0	21	12/11/2024	12/10/2025
Band Reject Filter 3300-3800	Titan	T04N3300380050S0 1	23040703-14	12/11/2024	12/10/2025
Bi-log Antenna	SCHWARZBECK	VULB9168	1208	07/17/2024	07/16/2025
Bi-log Antenna	SCHWARZBECK	VULB9168	9168-1278	03/04/2024	03/03/2025
Coaxial Cables	EMCI	EMC104-SM-SM-600 +EMC105-SM-SM-2000 +EMC105-SM-SM-1500 +EMC105-SM-SM-10000	RX Cable 9K-18G (220237+220909+220906+240801)	08/30/2024	08/29/2025
Coaxial Cables	Huber Suhner	SUCOFLEX 102	RX Cable 18G-40G MY2630/2+805062/2	08/30/2024	08/29/2025
Coaxial Cables	Huber Suhner	SUCOFLEX 102+SUCOFLEX 106	TX Cable 30M-40G 23051/2+76096/6+22962/2	08/30/2024	08/29/2025
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY60242392	12/24/2024	12/23/2025
Horn Antenna	RF SPIN	DRH0844	LE2D05A0844	07/10/2024	07/09/2025
Horn Antenna	RF SPIN	DRH18-E	210303A18-ES	02/16/2024	02/15/2025
Horn Antenna	SCHWARZBECK	BBHA9120D	603	05/15/2024	05/14/2025
Horn Antenna	SCHWARZBECK	BBHA9170	184	12/20/2024	12/19/2025
Network Analyzer	R&S	ZNB 40	101842	05/16/2024	05/15/2025
Pre-Amplifier	EMCI	EMC118A45SEE	980867	08/30/2024	08/29/2025
Pre-Amplifier	EMCI	EMC184045SEE	9080939	08/30/2024	08/29/2025
Pre-Amplifier	EMCI	EMC330N	980826	08/30/2024	08/29/2025
Radio Communication Analyzer	Anritsu	MT8821C	6262044670	08/23/2024	08/22/2025
Site Cal	SGS	SAC 2	N/A	08/30/2024	08/29/2025
Test Software	Audix	e3	Ver. 9.210616	N.C.R	N.C.R

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

## Mode: 5GNR

Radiated Emission Test Site: SAC 3					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
4G High Pass Filter	WI	WHKX4.0	22	12/11/2024	12/10/2025
Attenuator	Mini-Circuits	BW-S10W2+	16	12/11/2024	12/10/2025
Band Reject Filter 3300-3900	WI	WRCGV3400/3800- 3300/3900-40/12SS	1	12/11/2024	12/10/2025
Bi-log Antenna	SCHWARZBECK	VULB9168	1208	07/17/2024	07/16/2025
Bi-log Antenna	SCHWARZBECK	VULB9168	378	08/09/2024	08/08/2025
Coaxial Cables	EMCI+Huber Suhner	EMC107-SM-SM- 1000 +SUCOFLEX 104PEA +EMC107-SM-SM- 1500 +SUCOFLEX 106	RX Cable 9K-18G (221110+MY4251/4 PEA+221106+76096 /6)	08/30/2024	08/29/2025
Coaxial Cables	Huber Suhner	SUCOFLEX 102	RX Cable 18G-40G MY2630/2+805062/ 2	08/30/2024	08/29/2025
Coaxial Cables	Huber Suhner	SUCOFLEX 102+SUCOFLEX 106	TX Cable 30M-40G 23051/2+76096/6+2 2962/2	08/30/2024	08/29/2025
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY63440386	02/06/2024	02/05/2025
Horn Antenna	Schwarzbeck	BBHA9170	185	08/15/2024	08/14/2025
Horn Antenna	RF SPIN	DRH0844	LE2D05A0844	07/10/2024	07/09/2025
Horn Antenna	SCHWARZBECK	BBHA9120D	1441	09/23/2024	09/22/2025
Horn Antenna	SCHWARZBECK	BBHA9120D	603	05/15/2024	05/14/2025
Network Analyzer	R&S	ZNB 40	101842	05/16/2024	05/15/2025
Pre-Amplifier	EMCI	EMC118A45SEE	980868	08/30/2024	08/29/2025
Pre-Amplifier	EMCI	EMC184045SEE	9080939	08/30/2024	08/29/2025
Pre-Amplifier	HP	8447D	2944A07676	08/30/2024	08/29/2025
Radio Communication Analyzer	KEYSIGHT	E7515B	MY59321561	07/11/2024	07/10/2025
Site Cal	SGS	SAC 3	N/A	08/30/2024	08/29/2025
Test Software	Audix	e3	Ver. 9.210616	N.C.R	N.C.R

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

## 7 MAXIMUM OUTPUT POWER MEASUREMENT

### 7.1 Standard Applicable

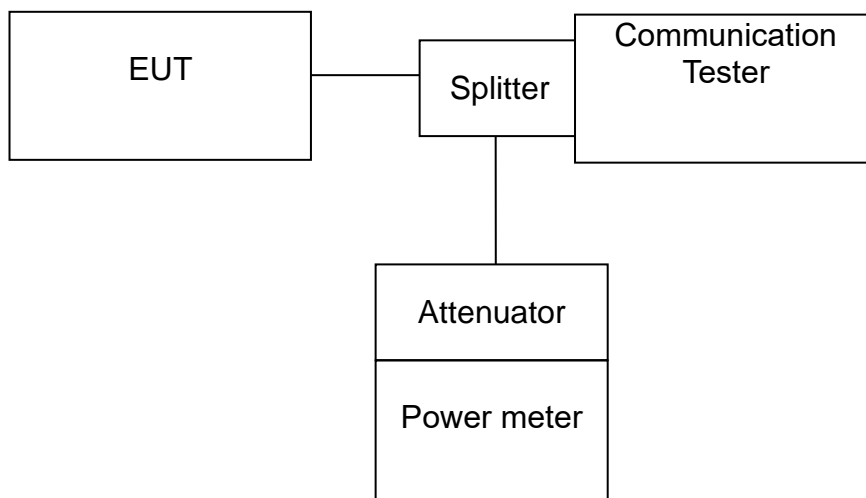
FCC §2.1046 & 96.41

- (a) FCC 96.41(a) Digital modulation. Systems operating in the Citizens Broadband Radio Service must use digital modulation techniques.
- (b) FCC 96.41(b) Power limits. Unless otherwise specified in this section, the maximum effective isotropic radiated power (EIRP) of any CBSD and End User Device must comply with the limits shown in the table in this paragraph (b):

Device	Maximum EIRP (dBm/10 MHz)
End User Device	23
Category A CBSD	30
Category B CBSD <sup>1</sup>	47

Category B CBSDs will only be authorized for use after an ESC is approved and commercially deployed consistent with §§96.15 and 96.67.

### 7.2 Test Set-up



**Note:** Measurement setup for testing on Antenna connector

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

### 7.3 Measurement Procedure

The transmitter output was connected to a calibrated attenuator, the other end of which was connected to a power meter. Transmitter output was read off the power meter in dBm. The power output at the transmitter antenna port was determined by adding the value of the attenuator to the power meter reading.

#### **Determining ERP and/or EIRP from conducted RF output power measurements**

$$\text{ERP/EIRP} = \text{PMeas} + \text{GT-LC}$$

Where:

ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as PMeas, typically dBW or dBm);

PMeas = measured transmitter output power or PSD, in dBm or dBW;

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

For devices utilizing multiple antennas, KDB 662911 provides guidance for determining the effective array transmit antenna gain term to be used in the above equation.

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

## 7.4 Measurement Result:

Mode: LTE

Antenna gain (dBi)		1.58							
Part 96S_LTE Band 42_Uplink frequency band : 3550 to 3600 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	43115	3552.5	QPSK	1	0	21.11	22.69	23	-0.31
				1	24	21.14	22.72	23	-0.28
				12	6	20.13	21.71	23	-1.29
				25	0	20.13	21.71	23	-1.29
	43340	3575	QPSK	1	0	21.08	22.66	23	-0.34
				1	24	21.10	22.68	23	-0.32
				12	6	20.13	21.71	23	-1.29
				25	0	20.14	21.72	23	-1.28
	43565	3597.5	QPSK	1	0	21.37	22.95	23	-0.05
				1	24	21.31	22.89	23	-0.11
				12	6	20.26	21.84	23	-1.16
				25	0	20.22	21.80	23	-1.2
5	43115	3552.5	16QAM	1	0	20.34	21.92	23	-1.08
				1	24	20.36	21.94	23	-1.06
				12	6	19.11	20.69	23	-2.31
				25	0	19.16	20.74	23	-2.26
	43340	3575	16QAM	1	0	20.33	21.91	23	-1.09
				1	24	20.35	21.93	23	-1.07
				12	6	19.12	20.70	23	-2.3
				25	0	19.18	20.76	23	-2.24
	43565	3597.5	16QAM	1	0	20.43	22.01	23	-0.99
				1	24	20.51	22.09	23	-0.91
				12	6	19.25	20.83	23	-2.17
				25	0	19.26	20.84	23	-2.16
5	43115	3552.5	64QAM	1	0	19.06	20.64	23	-2.36
				1	24	19.09	20.67	23	-2.33
				12	6	18.09	19.67	23	-3.33
				25	0	18.14	19.72	23	-3.28
	43340	3575	64QAM	1	0	19.10	20.68	23	-2.32
				1	24	19.12	20.70	23	-2.3
				12	6	18.16	19.74	23	-3.26
				25	0	18.14	19.72	23	-3.28
	43565	3597.5	64QAM	1	0	19.20	20.78	23	-2.22
				1	24	19.23	20.81	23	-2.19
				12	6	18.27	19.85	23	-3.15
				25	0	18.25	19.83	23	-3.17
5	43115	3552.5	256QAM	1	0	16.15	17.73	23	-5.27
				1	24	16.15	17.73	23	-5.27
				12	6	16.18	17.76	23	-5.24
				25	0	16.16	17.74	23	-5.26
	43340	3575	256QAM	1	0	16.16	17.74	23	-5.26
				1	24	16.18	17.76	23	-5.24
				12	6	16.18	17.76	23	-5.24
				25	0	16.19	17.77	23	-5.23
	43565	3597.5	256QAM	1	0	16.26	17.84	23	-5.16
				1	24	16.30	17.88	23	-5.12
				12	6	16.33	17.91	23	-5.09
				25	0	16.26	17.84	23	-5.16

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		1.58							
Part 96S_LTE Band 42_Uplink frequency band : 3550 to 3600 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	43140	3555	QPSK	1	0	21.02	22.60	23	-0.4
				1	49	21.05	22.63	23	-0.37
				25	12	20.14	21.72	23	-1.28
				50	0	20.18	21.76	23	-1.24
	43340	3575	QPSK	1	0	21.13	22.71	23	-0.29
				1	49	21.18	22.76	23	-0.24
				25	12	20.13	21.71	23	-1.29
				50	0	20.15	21.73	23	-1.27
	43540	3595	QPSK	1	0	21.06	22.64	23	-0.36
				1	49	21.14	22.72	23	-0.28
				25	12	20.20	21.78	23	-1.22
				50	0	20.25	21.83	23	-1.17
10	43140	3555	16QAM	1	0	20.33	21.91	23	-1.09
				1	49	20.36	21.94	23	-1.06
				25	12	19.18	20.76	23	-2.24
				50	0	19.16	20.74	23	-2.26
	43340	3575	16QAM	1	0	20.32	21.90	23	-1.1
				1	49	20.37	21.95	23	-1.05
				25	12	19.15	20.73	23	-2.27
				50	0	19.14	20.72	23	-2.28
	43540	3595	16QAM	1	0	20.41	21.99	23	-1.01
				1	49	20.49	22.07	23	-0.93
				25	12	19.25	20.83	23	-2.17
				50	0	19.28	20.86	23	-2.14
10	43140	3555	64QAM	1	0	19.04	20.62	23	-2.38
				1	49	19.08	20.66	23	-2.34
				25	12	18.16	19.74	23	-3.26
				50	0	18.12	19.70	23	-3.3
	43340	3575	64QAM	1	0	19.00	20.58	23	-2.42
				1	49	19.05	20.63	23	-2.37
				25	12	18.16	19.74	23	-3.26
				50	0	18.09	19.67	23	-3.33
	43540	3595	64QAM	1	0	19.12	20.70	23	-2.3
				1	49	19.21	20.79	23	-2.21
				25	12	18.27	19.85	23	-3.15
				50	0	18.19	19.77	23	-3.23
10	43140	3555	256QAM	1	0	16.12	17.70	23	-5.3
				1	49	16.15	17.73	23	-5.27
				25	12	16.15	17.73	23	-5.27
				50	0	16.23	17.81	23	-5.19
	43340	3575	256QAM	1	0	16.11	17.69	23	-5.31
				1	49	16.16	17.74	23	-5.26
				25	12	16.15	17.73	23	-5.27
				50	0	16.18	17.76	23	-5.24
	43540	3595	256QAM	1	0	16.21	17.79	23	-5.21
				1	49	16.29	17.87	23	-5.13
				25	12	16.30	17.88	23	-5.12
				50	0	16.32	17.90	23	-5.1

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

Antenna gain (dBi)		1.58							
Part 96S_LTE Band 42_Uplink frequency band : 3550 to 3600 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	43165	3557.5	QPSK	1	0	21.09	22.67	23	-0.33
				1	74	21.13	22.71	23	-0.29
				36	18	20.09	21.67	23	-1.33
				75	0	20.14	21.72	23	-1.28
	43340	3575	QPSK	1	0	21.08	22.66	23	-0.34
				1	74	21.16	22.74	23	-0.26
				36	18	20.14	21.72	23	-1.28
				75	0	20.11	21.69	23	-1.31
	43515	3592.5	QPSK	1	0	21.12	22.70	23	-0.3
				1	74	21.27	22.85	23	-0.15
				36	18	20.22	21.80	23	-1.2
				75	0	20.22	21.80	23	-1.2
15	43165	3557.5	16QAM	1	0	20.28	21.86	23	-1.14
				1	74	20.28	21.86	23	-1.14
				36	18	19.08	20.66	23	-2.34
				75	0	19.09	20.67	23	-2.33
	43340	3575	16QAM	1	0	20.27	21.85	23	-1.15
				1	74	20.31	21.89	23	-1.11
				36	18	19.09	20.67	23	-2.33
				75	0	19.11	20.69	23	-2.31
	43515	3592.5	16QAM	1	0	20.30	21.88	23	-1.12
				1	74	20.45	22.03	23	-0.97
				36	18	19.19	20.77	23	-2.23
				75	0	19.21	20.79	23	-2.21
15	43165	3557.5	64QAM	1	0	18.98	20.56	23	-2.44
				1	74	19.04	20.62	23	-2.38
				36	18	18.07	19.65	23	-3.35
				75	0	18.11	19.69	23	-3.31
	43340	3575	64QAM	1	0	19.01	20.59	23	-2.41
				1	74	19.05	20.63	23	-2.37
				36	18	18.10	19.68	23	-3.32
				75	0	18.09	19.67	23	-3.33
	43515	3592.5	64QAM	1	0	19.02	20.60	23	-2.4
				1	74	19.18	20.76	23	-2.24
				36	18	18.19	19.77	23	-3.23
				75	0	18.20	19.78	23	-3.22
15	43165	3557.5	256QAM	1	0	16.09	17.67	23	-5.33
				1	74	16.11	17.69	23	-5.31
				36	18	16.16	17.74	23	-5.26
				75	0	16.10	17.68	23	-5.32
	43340	3575	256QAM	1	0	16.09	17.67	23	-5.33
				1	74	16.13	17.71	23	-5.29
				36	18	16.16	17.74	23	-5.26
				75	0	16.14	17.72	23	-5.28
	43515	3592.5	256QAM	1	0	16.14	17.72	23	-5.28
				1	74	16.28	17.86	23	-5.14
				36	18	16.22	17.80	23	-5.2
				75	0	16.24	17.82	23	-5.18

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

Antenna gain (dBi)		1.58							
Part 96S_LTE Band 42_Uplink frequency band : 3550 to 3600 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	43190	3560	QPSK	1	0	21.04	22.62	23	-0.38
				1	99	21.12	22.70	23	-0.3
				50	25	20.15	21.73	23	-1.27
				100	0	20.11	21.69	23	-1.31
	43340	3575	QPSK	1	0	21.04	22.62	23	-0.38
				1	99	21.12	22.70	23	-0.3
				50	25	20.15	21.73	23	-1.27
				100	0	20.11	21.69	23	-1.31
	43490	3590	QPSK	1	0	21.07	22.65	23	-0.35
				1	99	21.27	22.85	23	-0.15
				50	25	20.21	21.79	23	-1.21
				100	0	20.23	21.81	23	-1.19
20	43190	3560	16QAM	1	0	20.22	21.80	23	-1.2
				1	99	20.28	21.86	23	-1.14
				50	25	19.20	20.78	23	-2.22
				100	0	19.17	20.75	23	-2.25
	43340	3575	16QAM	1	0	20.21	21.79	23	-1.21
				1	99	20.31	21.89	23	-1.11
				50	25	19.16	20.74	23	-2.26
				100	0	19.12	20.70	23	-2.3
	43490	3590	16QAM	1	0	20.26	21.84	23	-1.16
				1	99	20.43	22.01	23	-0.99
				50	25	19.24	20.82	23	-2.18
				100	0	19.23	20.81	23	-2.19
20	43190	3560	64QAM	1	0	18.96	20.54	23	-2.46
				1	99	18.97	20.55	23	-2.45
				50	25	18.15	19.73	23	-3.27
				100	0	18.11	19.69	23	-3.31
	43340	3575	64QAM	1	0	18.93	20.51	23	-2.49
				1	99	19.03	20.61	23	-2.39
				50	25	18.07	19.65	23	-3.35
				100	0	18.08	19.66	23	-3.34
	43490	3590	64QAM	1	0	19.00	20.58	23	-2.42
				1	99	19.18	20.76	23	-2.24
				50	25	18.17	19.75	23	-3.25
				100	0	18.17	19.75	23	-3.25
20	43190	3560	256QAM	1	0	16.01	17.59	23	-5.41
				1	99	16.07	17.65	23	-5.35
				50	25	16.21	17.79	23	-5.21
				100	0	16.15	17.73	23	-5.27
	43340	3575	256QAM	1	0	15.97	17.55	23	-5.45
				1	99	16.06	17.64	23	-5.36
				50	25	16.18	17.76	23	-5.24
				100	0	16.08	17.66	23	-5.34
	43490	3590	256QAM	1	0	16.04	17.62	23	-5.38
				1	99	16.23	17.81	23	-5.19
				50	25	16.28	17.86	23	-5.14
				100	0	16.19	17.77	23	-5.23

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

Antenna gain (dBi)		1.85							
Part 96S_LTE Band 43_Uplink frequency band : 3600 to 3700 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	43615	3602.5	QPSK	1	0	20.89	22.74	23	-0.26
				1	24	20.91	22.76	23	-0.24
				12	6	19.83	21.68	23	-1.32
				25	0	19.82	21.67	23	-1.33
	44090	3650	QPSK	1	0	20.88	22.73	23	-0.27
				1	24	20.90	22.75	23	-0.25
				12	6	19.81	21.66	23	-1.34
				25	0	19.83	21.68	23	-1.32
	44565	3697.5	QPSK	1	0	21.02	22.87	23	-0.13
				1	24	20.99	22.84	23	-0.16
				12	6	19.90	21.75	23	-1.25
				25	0	19.92	21.77	23	-1.23
5	43615	3602.5	16QAM	1	0	20.03	21.88	23	-1.12
				1	24	20.02	21.87	23	-1.13
				12	6	18.80	20.65	23	-2.35
				25	0	18.85	20.70	23	-2.3
	44090	3650	16QAM	1	0	20.05	21.90	23	-1.1
				1	24	20.04	21.89	23	-1.11
				12	6	18.78	20.63	23	-2.37
				25	0	18.85	20.70	23	-2.3
	44565	3697.5	16QAM	1	0	20.12	21.97	23	-1.03
				1	24	20.17	22.02	23	-0.98
				12	6	18.88	20.73	23	-2.27
				25	0	18.94	20.79	23	-2.21
5	43615	3602.5	64QAM	1	0	18.78	20.63	23	-2.37
				1	24	18.79	20.64	23	-2.36
				12	6	17.84	19.69	23	-3.31
				25	0	17.84	19.69	23	-3.31
	44090	3650	64QAM	1	0	18.78	20.63	23	-2.37
				1	24	18.78	20.63	23	-2.37
				12	6	17.84	19.69	23	-3.31
				25	0	17.83	19.68	23	-3.32
	44565	3697.5	64QAM	1	0	18.86	20.71	23	-2.29
				1	24	18.88	20.73	23	-2.27
				12	6	17.94	19.79	23	-3.21
				25	0	17.92	19.77	23	-3.23
5	43615	3602.5	256QAM	1	0	15.88	17.73	23	-5.27
				1	24	15.89	17.74	23	-5.26
				12	6	15.93	17.78	23	-5.22
				25	0	15.90	17.75	23	-5.25
	44090	3650	256QAM	1	0	15.86	17.71	23	-5.29
				1	24	15.90	17.75	23	-5.25
				12	6	15.89	17.74	23	-5.26
				25	0	15.86	17.71	23	-5.29
	44565	3697.5	256QAM	1	0	15.98	17.83	23	-5.17
				1	24	16.00	17.85	23	-5.15
				12	6	16.02	17.87	23	-5.13
				25	0	15.93	17.78	23	-5.22

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

Antenna gain (dBi)		1.85							
Part 96S_LTE Band 43_Uplink frequency band : 3600 to 3700 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	43640	3605	QPSK	1	0	20.83	22.68	23	-0.32
				1	49	20.91	22.76	23	-0.24
				25	12	19.85	21.70	23	-1.3
				50	0	19.88	21.73	23	-1.27
	44090	3650	QPSK	1	0	20.81	22.66	23	-0.34
				1	49	20.89	22.74	23	-0.26
				25	12	19.82	21.67	23	-1.33
				50	0	19.84	21.69	23	-1.31
	44540	3695	QPSK	1	0	20.88	22.73	23	-0.27
				1	49	20.99	22.84	23	-0.16
				25	12	19.93	21.78	23	-1.22
				50	0	19.94	21.79	23	-1.21
10	43640	3605	16QAM	1	0	20.02	21.87	23	-1.13
				1	49	20.10	21.95	23	-1.05
				25	12	18.89	20.74	23	-2.26
				50	0	18.87	20.72	23	-2.28
	44090	3650	16QAM	1	0	20.00	21.85	23	-1.15
				1	49	20.06	21.91	23	-1.09
				25	12	18.82	20.67	23	-2.33
				50	0	18.87	20.72	23	-2.28
	44540	3695	16QAM	1	0	20.08	21.93	23	-1.07
				1	49	20.18	22.03	23	-0.97
				25	12	18.97	20.82	23	-2.18
				50	0	18.96	20.81	23	-2.19
10	43640	3605	64QAM	1	0	18.75	20.60	23	-2.4
				1	49	18.80	20.65	23	-2.35
				25	12	17.90	19.75	23	-3.25
				50	0	17.85	19.70	23	-3.3
	44090	3650	64QAM	1	0	18.71	20.56	23	-2.44
				1	49	18.75	20.60	23	-2.4
				25	12	17.86	19.71	23	-3.29
				50	0	17.80	19.65	23	-3.35
	44540	3695	64QAM	1	0	18.85	20.70	23	-2.3
				1	49	18.89	20.74	23	-2.26
				25	12	17.95	19.80	23	-3.2
				50	0	17.90	19.75	23	-3.25
10	43640	3605	256QAM	1	0	15.82	17.67	23	-5.33
				1	49	15.89	17.74	23	-5.26
				25	12	15.93	17.78	23	-5.22
				50	0	15.96	17.81	23	-5.19
	44090	3650	256QAM	1	0	15.81	17.66	23	-5.34
				1	49	15.85	17.70	23	-5.3
				25	12	15.87	17.72	23	-5.28
				50	0	15.88	17.73	23	-5.27
	44540	3695	256QAM	1	0	15.90	17.75	23	-5.25
				1	49	15.98	17.83	23	-5.17
				25	12	15.94	17.79	23	-5.21
				50	0	16.00	17.85	23	-5.15

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

Antenna gain (dBi)		1.85							
Part 96S_LTE Band 43_Uplink frequency band : 3600 to 3700 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	43665	3607.5	QPSK	1	0	20.77	22.62	23	-0.38
				1	74	20.86	22.71	23	-0.29
				36	18	19.88	21.73	23	-1.27
				75	0	19.87	21.72	23	-1.28
	44090	3650	QPSK	1	0	20.75	22.60	23	-0.4
				1	74	20.85	22.70	23	-0.3
				36	18	19.81	21.66	23	-1.34
				75	0	19.82	21.67	23	-1.33
	44515	3692.5	QPSK	1	0	20.83	22.68	23	-0.32
				1	74	20.98	22.83	23	-0.17
				36	18	19.93	21.78	23	-1.22
				75	0	19.94	21.79	23	-1.21
15	43665	3607.5	16QAM	1	0	19.95	21.80	23	-1.2
				1	74	20.04	21.89	23	-1.11
				36	18	18.83	20.68	23	-2.32
				75	0	18.85	20.70	23	-2.3
	44090	3650	16QAM	1	0	19.93	21.78	23	-1.22
				1	74	20.02	21.87	23	-1.13
				36	18	18.78	20.63	23	-2.37
				75	0	18.83	20.68	23	-2.32
	44515	3692.5	16QAM	1	0	20.01	21.86	23	-1.14
				1	74	20.12	21.97	23	-1.03
				36	18	18.90	20.75	23	-2.25
				75	0	18.97	20.82	23	-2.18
15	43665	3607.5	64QAM	1	0	18.67	20.52	23	-2.48
				1	74	18.77	20.62	23	-2.38
				36	18	17.83	19.68	23	-3.32
				75	0	17.84	19.69	23	-3.31
	44090	3650	64QAM	1	0	18.65	20.50	23	-2.5
				1	74	18.77	20.62	23	-2.38
				36	18	17.78	19.63	23	-3.37
				75	0	17.78	19.63	23	-3.37
	44515	3692.5	64QAM	1	0	18.77	20.62	23	-2.38
				1	74	18.89	20.74	23	-2.26
				36	18	17.88	19.73	23	-3.27
				75	0	17.90	19.75	23	-3.25
15	43665	3607.5	256QAM	1	0	15.78	17.63	23	-5.37
				1	74	15.85	17.70	23	-5.3
				36	18	15.86	17.71	23	-5.29
				75	0	15.91	17.76	23	-5.24
	44090	3650	256QAM	1	0	15.74	17.59	23	-5.41
				1	74	15.83	17.68	23	-5.32
				36	18	15.81	17.66	23	-5.34
				75	0	15.82	17.67	23	-5.33
	44515	3692.5	256QAM	1	0	15.84	17.69	23	-5.31
				1	74	16.01	17.86	23	-5.14
				36	18	15.93	17.78	23	-5.22
				75	0	16.00	17.85	23	-5.15

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

Antenna gain (dBi)		1.85							
Part 96S_LTE Band 43_Uplink frequency band : 3600 to 3700 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	43690	3610	QPSK	1	0	20.77	22.62	23	-0.38
				1	99	20.80	22.65	23	-0.35
				50	25	19.86	21.71	23	-1.29
				100	0	19.85	21.70	23	-1.3
	44090	3650	QPSK	1	0	20.72	22.57	23	-0.43
				1	99	20.82	22.67	23	-0.33
				50	25	19.83	21.68	23	-1.32
				100	0	19.83	21.68	23	-1.32
	44490	3690	QPSK	1	0	20.82	22.67	23	-0.33
				1	99	20.95	22.80	23	-0.2
				50	25	19.96	21.81	23	-1.19
				100	0	19.93	21.78	23	-1.22
20	43690	3610	16QAM	1	0	19.93	21.78	23	-1.22
				1	99	19.98	21.83	23	-1.17
				50	25	18.87	20.72	23	-2.28
				100	0	18.85	20.70	23	-2.3
	44090	3650	16QAM	1	0	19.90	21.75	23	-1.25
				1	99	20.02	21.87	23	-1.13
				50	25	18.88	20.73	23	-2.27
				100	0	18.81	20.66	23	-2.34
	44490	3690	16QAM	1	0	19.98	21.83	23	-1.17
				1	99	20.15	22.00	23	-1
				50	25	18.98	20.83	23	-2.17
				100	0	18.93	20.78	23	-2.22
20	43690	3610	64QAM	1	0	18.66	20.51	23	-2.49
				1	99	18.71	20.56	23	-2.44
				50	25	17.85	19.70	23	-3.3
				100	0	17.80	19.65	23	-3.35
	44090	3650	64QAM	1	0	18.60	20.45	23	-2.55
				1	99	18.73	20.58	23	-2.42
				50	25	17.81	19.66	23	-3.34
				100	0	17.80	19.65	23	-3.35
	44490	3690	64QAM	1	0	18.72	20.57	23	-2.43
				1	99	18.85	20.70	23	-2.3
				50	25	17.92	19.77	23	-3.23
				100	0	17.88	19.73	23	-3.27
20	43690	3610	256QAM	1	0	15.73	17.58	23	-5.42
				1	99	15.81	17.66	23	-5.34
				50	25	15.92	17.77	23	-5.23
				100	0	15.83	17.68	23	-5.32
	44090	3650	256QAM	1	0	15.69	17.54	23	-5.46
				1	99	15.79	17.64	23	-5.36
				50	25	15.84	17.69	23	-5.31
				100	0	15.80	17.65	23	-5.35
	44490	3690	256QAM	1	0	15.79	17.64	23	-5.36
				1	99	15.91	17.76	23	-5.24
				50	25	15.94	17.79	23	-5.21
				100	0	15.86	17.71	23	-5.29

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Antenna gain (dBi)		0.93							
LTE Band 48_Uplink frequency band : 3550 to 3700 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm/10MH z)	EIRP Average (dBm/10MH z)	EIRP Limit (dBm/10MH z)	Margin (dBm/10MH z)
5	55265	3552.5	QPSK	1	0	21.11	22.04	23	-0.96
				1	24	21.23	22.16	23	-0.84
				12	6	20.19	21.12	23	-1.88
				25	0	20.20	21.13	23	-1.87
	55990	3625	QPSK	1	0	21.38	22.31	23	-0.69
				1	24	21.35	22.28	23	-0.72
				12	6	20.34	21.27	23	-1.73
				25	0	20.32	21.25	23	-1.75
	56715	3697.5	QPSK	1	0	21.43	22.36	23	-0.64
				1	24	21.47	22.40	23	-0.6
				12	6	20.38	21.31	23	-1.69
				25	0	20.40	21.33	23	-1.67
5	55265	3552.5	16QAM	1	0	20.40	21.33	23	-1.67
				1	24	20.39	21.32	23	-1.68
				12	6	19.12	20.05	23	-2.95
				25	0	19.25	20.18	23	-2.82
	55990	3625	16QAM	1	0	20.52	21.45	23	-1.55
				1	24	20.50	21.43	23	-1.57
				12	6	19.26	20.19	23	-2.81
				25	0	19.38	20.31	23	-2.69
	56715	3697.5	16QAM	1	0	20.58	21.51	23	-1.49
				1	24	20.61	21.54	23	-1.46
				12	6	19.30	20.23	23	-2.77
				25	0	19.44	20.37	23	-2.63
5	55265	3552.5	64QAM	1	0	19.12	20.05	23	-2.95
				1	24	19.13	20.06	23	-2.94
				12	6	18.11	19.04	23	-3.96
				25	0	18.16	19.09	23	-3.91
	55990	3625	64QAM	1	0	19.24	20.17	23	-2.83
				1	24	19.24	20.17	23	-2.83
				12	6	18.24	19.17	23	-3.83
				25	0	18.29	19.22	23	-3.78
	56715	3697.5	64QAM	1	0	19.31	20.24	23	-2.76
				1	24	19.34	20.27	23	-2.73
				12	6	18.32	19.25	23	-3.75
				25	0	18.35	19.28	23	-3.72
5	55265	3552.5	256QAM	1	0	16.10	17.03	23	-5.97
				1	24	15.97	16.90	23	-6.1
				12	6	16.11	17.04	23	-5.96
				25	0	16.13	17.06	23	-5.94
	55990	3625	256QAM	1	0	16.24	17.17	23	-5.83
				1	24	16.22	17.15	23	-5.85
				12	6	16.36	17.29	23	-5.71
				25	0	16.35	17.28	23	-5.72
	56715	3697.5	256QAM	1	0	16.32	17.25	23	-5.75
				1	24	16.39	17.32	23	-5.68
				12	6	16.42	17.35	23	-5.65
				25	0	16.41	17.34	23	-5.66

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

Antenna gain (dBi)		0.93							
LTE Band 48_Uplink frequency band : 3550 to 3700 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm/10MH z)	EIRP Average (dBm/10MH z)	EIRP Limit (dBm/10MH z)	Margin (dBm/10MH z)
10	55290	3555	QPSK	1	0	21.22	22.15	23	-0.85
				1	49	21.19	22.12	23	-0.88
				25	12	20.16	21.09	23	-1.91
				50	0	20.20	21.13	23	-1.87
	55990	3625	QPSK	1	0	21.41	22.34	23	-0.66
				1	49	21.33	22.26	23	-0.74
				25	12	20.32	21.25	23	-1.75
				50	0	20.38	21.31	23	-1.69
	56690	3695	QPSK	1	0	21.44	22.37	23	-0.63
				1	49	21.45	22.38	23	-0.62
				25	12	20.43	21.36	23	-1.64
				50	0	20.46	21.39	23	-1.61
10	55290	3555	16QAM	1	0	20.37	21.30	23	-1.7
				1	49	20.36	21.29	23	-1.71
				25	12	19.22	20.15	23	-2.85
				50	0	19.19	20.12	23	-2.88
	55990	3625	16QAM	1	0	20.53	21.46	23	-1.54
				1	49	20.50	21.43	23	-1.57
				25	12	19.38	20.31	23	-2.69
				50	0	19.34	20.27	23	-2.73
	56690	3695	16QAM	1	0	20.58	21.51	23	-1.49
				1	49	20.62	21.55	23	-1.45
				25	12	19.48	20.41	23	-2.59
				50	0	19.45	20.38	23	-2.62
10	55290	3555	64QAM	1	0	19.13	20.06	23	-2.94
				1	49	19.12	20.05	23	-2.95
				25	12	18.15	19.08	23	-3.92
				50	0	18.15	19.08	23	-3.92
	55990	3625	64QAM	1	0	19.29	20.22	23	-2.78
				1	49	19.22	20.15	23	-2.85
				25	12	18.29	19.22	23	-3.78
				50	0	18.36	19.29	23	-3.71
	56690	3695	64QAM	1	0	19.36	20.29	23	-2.71
				1	49	19.36	20.29	23	-2.71
				25	12	18.42	19.35	23	-3.65
				50	0	18.45	19.38	23	-3.62
10	55290	3555	256QAM	1	0	15.99	16.92	23	-6.08
				1	49	16.02	16.95	23	-6.05
				25	12	16.12	17.05	23	-5.95
				50	0	16.13	17.06	23	-5.94
	55990	3625	256QAM	1	0	16.25	17.18	23	-5.82
				1	49	16.20	17.13	23	-5.87
				25	12	16.30	17.23	23	-5.77
				50	0	16.36	17.29	23	-5.71
	56690	3695	256QAM	1	0	16.28	17.21	23	-5.79
				1	49	16.37	17.30	23	-5.7
				25	12	16.42	17.35	23	-5.65
				50	0	16.43	17.36	23	-5.64

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

Antenna gain (dBi)		0.93							
LTE Band 48_Uplink frequency band : 3550 to 3700 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm/10MH z)	EIRP Average (dBm/10MH z)	EIRP Limit (dBm/10MH z)	Margin (dBm/10MH z)
15	55315	3557.5	QPSK	1	0	21.15	22.08	23	-0.92
				1	74	21.13	22.06	23	-0.94
				36	18	20.15	21.08	23	-1.92
				75	0	20.20	21.13	23	-1.87
	55990	3625	QPSK	1	0	21.33	22.26	23	-0.74
				1	74	21.29	22.22	23	-0.78
				36	18	20.32	21.25	23	-1.75
				75	0	20.31	21.24	23	-1.76
	56665	3692.5	QPSK	1	0	21.36	22.29	23	-0.71
				1	74	21.41	22.34	23	-0.66
				36	18	20.40	21.33	23	-1.67
				75	0	20.45	21.38	23	-1.62
15	55315	3557.5	16QAM	1	0	20.33	21.26	23	-1.74
				1	74	20.32	21.25	23	-1.75
				36	18	19.09	20.02	23	-2.98
				75	0	19.13	20.06	23	-2.94
	55990	3625	16QAM	1	0	20.51	21.44	23	-1.56
				1	74	20.45	21.38	23	-1.62
				36	18	19.25	20.18	23	-2.82
				75	0	19.30	20.23	23	-2.77
	56665	3692.5	16QAM	1	0	20.55	21.48	23	-1.52
				1	74	20.59	21.52	23	-1.48
				36	18	19.35	20.28	23	-2.72
				75	0	19.41	20.34	23	-2.66
15	55315	3557.5	64QAM	1	0	19.06	19.99	23	-3.01
				1	74	19.05	19.98	23	-3.02
				36	18	18.09	19.02	23	-3.98
				75	0	18.14	19.07	23	-3.93
	55990	3625	64QAM	1	0	19.25	20.18	23	-2.82
				1	74	19.18	20.11	23	-2.89
				36	18	18.29	19.22	23	-3.78
				75	0	18.30	19.23	23	-3.77
	56665	3692.5	64QAM	1	0	19.26	20.19	23	-2.81
				1	74	19.33	20.26	23	-2.74
				36	18	18.39	19.32	23	-3.68
				75	0	18.41	19.34	23	-3.66
15	55315	3557.5	256QAM	1	0	16.03	16.96	23	-6.04
				1	74	16.04	16.97	23	-6.03
				36	18	16.08	17.01	23	-5.99
				75	0	16.06	16.99	23	-6.01
	55990	3625	256QAM	1	0	16.20	17.13	23	-5.87
				1	74	16.25	17.18	23	-5.82
				36	18	16.28	17.21	23	-5.79
				75	0	16.28	17.21	23	-5.79
	56665	3692.5	256QAM	1	0	16.26	17.19	23	-5.81
				1	74	16.39	17.32	23	-5.68
				36	18	16.36	17.29	23	-5.71
				75	0	16.40	17.33	23	-5.67

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

Antenna gain (dBi)		0.93							
LTE Band 48_Uplink frequency band : 3550 to 3700 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm/10MH z)	EIRP Average (dBm/10MH z)	EIRP Limit (dBm/10MH z)	Margin (dBm/10MH z)
20	55340	3560	QPSK	1	0	21.10	22.03	23	-0.97
				1	99	21.08	22.01	23	-0.99
				50	25	20.14	21.07	23	-1.93
				100	0	20.10	21.03	23	-1.97
	55990	3625	QPSK	1	0	21.32	22.25	23	-0.75
				1	99	21.27	22.20	23	-0.8
				50	25	20.36	21.29	23	-1.71
				100	0	20.34	21.27	23	-1.73
	56640	3690	QPSK	1	0	21.31	22.24	23	-0.76
				1	99	22.00	22.93	23	-0.07
				50	25	20.40	21.33	23	-1.67
				100	0	20.40	21.33	23	-1.67
20	55340	3560	16QAM	1	0	20.27	21.20	23	-1.8
				1	99	20.27	21.20	23	-1.8
				50	25	19.15	20.08	23	-2.92
				100	0	19.13	20.06	23	-2.94
	55990	3625	16QAM	1	0	20.44	21.37	23	-1.63
				1	99	20.43	21.36	23	-1.64
				50	25	19.34	20.27	23	-2.73
				100	0	19.32	20.25	23	-2.75
	56640	3690	16QAM	1	0	20.48	21.41	23	-1.59
				1	99	20.54	21.47	23	-1.53
				50	25	19.42	20.35	23	-2.65
				100	0	19.41	20.34	23	-2.66
20	55340	3560	64QAM	1	0	19.03	19.96	23	-3.04
				1	99	19.01	19.94	23	-3.06
				50	25	18.04	18.97	23	-4.03
				100	0	18.04	18.97	23	-4.03
	55990	3625	64QAM	1	0	19.21	20.14	23	-2.86
				1	99	19.16	20.09	23	-2.91
				50	25	18.34	19.27	23	-3.73
				100	0	18.27	19.20	23	-3.8
	56640	3690	64QAM	1	0	19.24	20.17	23	-2.83
				1	99	19.28	20.21	23	-2.79
				50	25	18.42	19.35	23	-3.65
				100	0	18.34	19.27	23	-3.73
20	55340	3560	256QAM	1	0	15.97	16.90	23	-6.1
				1	99	15.98	16.91	23	-6.09
				50	25	16.12	17.05	23	-5.95
				100	0	16.03	16.96	23	-6.04
	55990	3625	256QAM	1	0	16.18	17.11	23	-5.89
				1	99	16.33	17.26	23	-5.74
				50	25	16.44	17.37	23	-5.63
				100	0	16.40	17.33	23	-5.67
	56640	3690	256QAM	1	0	16.17	17.10	23	-5.9
				1	99	16.31	17.24	23	-5.76
				50	25	16.44	17.37	23	-5.63
				100	0	16.38	17.31	23	-5.69

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

## Mode: ULCA

Part 96_ EIRP Limit (dBm/10MHz)	23
Antenna Gain	0.93

## OUTPUT POWER FOR LTE BAND 48C (5MHz + 20MHz)

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average (dBm/10MHz)			EIRP Average (dBm/10MHz)	EIRP Average (W/10MHz)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total		
5MHz+ 20MHz	55273	3553.3	55390	3565.0	QPSK	1	24	1	0					
	55898	3615.8	56015	3627.5	QPSK	1	24	1	0					
	56523	3678.3	56640	3690.0	QPSK	1	24	1	0	17.21	17.24	20.24	21.17	0.131
5MHz+ 20MHz	55273	3553.3	55390	3565.0	16QAM	1	24	1	0					
	55898	3615.8	56015	3627.5	16QAM	1	24	1	0					
	56523	3678.3	56640	3690.0	16QAM	1	24	1	0	16.30	16.39	19.36	20.29	0.107
5MHz+ 20MHz	55273	3553.3	55390	3565.0	64QAM	1	24	1	0					
	55898	3615.8	56015	3627.5	64QAM	1	24	1	0					
	56523	3678.3	56640	3690.0	64QAM	1	24	1	0					
5MHz+ 20MHz	55273	3553.3	55390	3565.0	256QAM	1	24	1	0					
	55898	3615.8	56015	3627.5	256QAM	1	24	1	0					
	56523	3678.3	56640	3690.0	256QAM	1	24	1	0					

Part 96_ EIRP Limit (dBm/10MHz)	23
Antenna Gain	0.93

## OUTPUT POWER FOR LTE BAND 48C (20MHz + 5MHz)

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average (dBm/10MHz)			EIRP Average (dBm/10MHz)	EIRP Average (W/10MHz)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total		
20MHz+ 5MHz	55340	3560.0	55457	3571.7	QPSK	1	99	1	0					
	55965	3622.5	56082	3634.2	QPSK	1	99	1	0					
	56590	3685.0	56707	3696.7	QPSK	1	99	1	0	17.20	17.16	20.19	21.12	0.129
20MHz+ 5MHz	55340	3560.0	55457	3571.7	16QAM	1	99	1	0					
	55965	3622.5	56082	3634.2	16QAM	1	99	1	0					
	56590	3685.0	56707	3696.7	16QAM	1	99	1	0	16.34	16.35	19.36	20.29	0.107
20MHz+ 5MHz	55340	3560.0	55457	3571.7	64QAM	1	99	1	0					
	55965	3622.5	56082	3634.2	64QAM	1	99	1	0					
	56590	3685.0	56707	3696.7	64QAM	1	99	1	0					
20MHz+ 5MHz	55340	3560.0	55457	3571.7	256QAM	1	99	1	0					
	55965	3622.5	56082	3634.2	256QAM	1	99	1	0					
	56590	3685.0	56707	3696.7	256QAM	1	99	1	0					

Part 96_ EIRP Limit (dBm/10MHz)	23
Antenna Gain	0.93

## OUTPUT POWER FOR LTE BAND 48C (10MHz + 20MHz)

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average (dBm/10MHz)			EIRP Average (dBm/10MHz)	EIRP Average (W/10MHz)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total		
10MHz+ 20MHz	55295	3555.5	55439	3569.9	QPSK	1	49	1	0					
	55896	3615.6	56040	3630.0	QPSK	1	49	1	0					
	56496	3675.6	56640	3690.0	QPSK	1	49	1	0	17.12	17.20	20.17	21.10	0.129
10MHz+ 20MHz	55295	3555.5	55439	3569.9	16QAM	1	49	1	0					
	55896	3615.6	56040	3630.0	16QAM	1	49	1	0					
	56496	3675.6	56640	3690.0	16QAM	1	49	1	0	16.18	16.29	19.25	20.18	0.104
10MHz+ 20MHz	55295	3555.5	55439	3569.9	64QAM	1	49	1	0					
	55896	3615.6	56040	3630.0	64QAM	1	49	1	0					
	56496	3675.6	56640	3690.0	64QAM	1	49	1	0					
10MHz+ 20MHz	55295	3555.5	55439	3569.9	256QAM	1	49	1	0					
	55896	3615.6	56040	3630.0	256QAM	1	49	1	0					
	56496	3675.6	56640	3690.0	256QAM	1	49	1	0					

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions>, and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Part 96_EIRP Limit (dBm/10MHz)	23
Antenna Gain	0.93

## OUTPUT POWER FOR LTE BAND 48C (20MHz + 10MHz)

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average (dBm/10MHz)			EIRP Average (dBm/10MHz)	EIRP Average (W/10MHz)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total		
20MHz+10MHz	55340	3560.0	55484	3574.4	QPSK	1	99	1	0					
	55941	3620.1	56085	3634.5	QPSK	1	99	1	0					
	56541	3680.1	56685	3694.5	QPSK	1	99	1	0	17.17	17.14	20.17	21.10	0.129
20MHz+10MHz	55340	3560.0	55484	3574.4	16QAM	1	99	1	0					
	55941	3620.1	56085	3634.5	16QAM	1	99	1	0					
	56541	3680.1	56685	3694.5	16QAM	1	99	1	0	16.21	16.19	19.21	20.14	0.103
20MHz+10MHz	55340	3560.0	55484	3574.4	64QAM	1	99	1	0					
	55941	3620.1	56085	3634.5	64QAM	1	99	1	0					
	56541	3680.1	56685	3694.5	64QAM	1	99	1	0					
20MHz+10MHz	55340	3560.0	55484	3574.4	256QAM	1	99	1	0					
	55941	3620.1	56085	3634.5	256QAM	1	99	1	0					
	56541	3680.1	56685	3694.5	256QAM	1	99	1	0					

Part 96_EIRP Limit (dBm/10MHz)	23
Antenna Gain	0.93

## OUTPUT POWER FOR LTE BAND 48 (15MHz + 20MHz)

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average (dBm/10MHz)			EIRP Average (dBm/10MHz)	EIRP Average (W/10MHz)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total		
15MHz+20MHz	55318	3557.8	55489	3574.9	QPSK	1	74	1	0					
	55893	3615.3	56064	3632.4	QPSK	1	74	1	0					
	56469	3672.9	56640	3690.0	QPSK	1	74	1	0	17.27	17.19	20.24	21.17	0.131
15MHz+20MHz	55318	3557.8	55489	3574.9	16QAM	1	74	1	0					
	55893	3615.3	56064	3632.4	16QAM	1	74	1	0					
	56469	3672.9	56640	3690.0	16QAM	1	74	1	0	16.39	16.25	19.33	20.26	0.106
15MHz+20MHz	55318	3557.8	55489	3574.9	64QAM	1	74	1	0					
	55893	3615.3	56064	3632.4	64QAM	1	74	1	0					
	56469	3672.9	56640	3690.0	64QAM	1	74	1	0					
15MHz+20MHz	55318	3557.8	55489	3574.9	256QAM	1	74	1	0					
	55893	3615.3	56064	3632.4	256QAM	1	74	1	0					
	56469	3672.9	56640	3690.0	256QAM	1	74	1	0					

Part 96_EIRP Limit (dBm/10MHz)	23
Antenna Gain	0.93

## OUTPUT POWER FOR LTE BAND 48C (20MHz + 15MHz)

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average (dBm/10MHz)			EIRP Average (dBm/10MHz)	EIRP Average (W/10MHz)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total		
20MHz+15MHz	55340	3560.0	55511	3577.1	QPSK	1	99	1	0					
	55916	3617.6	56087	3634.7	QPSK	1	99	1	0					
	56491	3675.1	56662	3692.2	QPSK	1	99	1	0	17.09	17.21	20.16	21.09	0.129
20MHz+15MHz	55340	3560.0	55511	3577.1	16QAM	1	99	1	0					
	55916	3617.6	56087	3634.7	16QAM	1	99	1	0					
	56491	3675.1	56662	3692.2	16QAM	1	99	1	0	16.17	16.39	19.29	20.22	0.105
20MHz+15MHz	55340	3560.0	55511	3577.1	64QAM	1	99	1	0					
	55916	3617.6	56087	3634.7	64QAM	1	99	1	0					
	56491	3675.1	56662	3692.2	64QAM	1	99	1	0					
20MHz+15MHz	55340	3560.0	55511	3577.1	256QAM	1	99	1	0					
	55916	3617.6	56087	3634.7	256QAM	1	99	1	0					
	56491	3675.1	56662	3692.2	256QAM	1	99	1	0					

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

Part 96_EIRP Limit (dBm/10MHz)	23
Antenna Gain	0.93

## OUTPUT POWER FOR LTE BAND 48C (20MHz + 20MHz)

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average (dBm/10MHz)			EIRP Average	EIRP Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total	(dBm/10MHz)	(W/10MHz)
20MHz+20MHz	55340	3560.0	55538	3579.8	QPSK	1	99	1	0	16.92	16.93	19.94	20.87	0.122
	55891	3615.1	56089	3634.9	QPSK	1	99	1	0	17.01	17.01	20.02	20.95	0.124
	56442	3670.2	56640	3690.0	QPSK	1	99	1	0	17.25	17.24	20.26	21.19	0.131
20MHz+20MHz	55340	3560.0	55538	3579.8	16QAM	1	99	1	0	16.01	15.97	19.00	19.93	0.098
	55891	3615.1	56089	3634.9	16QAM	1	99	1	0	16.06	16.09	19.09	20.02	0.100
	56442	3670.2	56640	3690.0	16QAM	1	99	1	0	16.10	16.12	19.12	20.05	0.101
20MHz+20MHz	55340	3560.0	55538	3579.8	64QAM	1	99	1	0	13.71	13.68	16.71	17.64	0.058
	55891	3615.1	56089	3634.9	64QAM	1	99	1	0	13.72	13.70	16.72	17.65	0.058
	56442	3670.2	56640	3690.0	64QAM	1	99	1	0	13.81	13.79	16.81	17.74	0.059
20MHz+20MHz	55340	3560.0	55538	3579.8	256QAM	1	99	1	0	11.92	11.90	14.92	15.85	0.038
	55891	3615.1	56089	3634.9	256QAM	1	99	1	0	11.88	11.85	14.88	15.81	0.038
	56442	3670.2	56640	3690.0	256QAM	1	99	1	0	12.03	11.99	15.02	15.95	0.039

Part 96_EIRP Limit (dBm/10MHz)	23
Antenna Gain	1.58

## OUTPUT POWER FOR LTE BAND 42C (5MHz + 20MHz)

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average (dBm)			EIRP Average	EIRP Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total	(dBm)	(W)
5MHz+20MHz	43115	3552.5	43232	3564.2	QPSK	1	24	1	0	16.56	16.64	19.61	21.19	0.132
	43340	3575.0	43457	3586.7	QPSK	1	24	1	0					
	43373	3578.3	43490	3590.0	QPSK	1	24	1	0					
5MHz+20MHz	43115	3552.5	43232	3564.2	16QAM	1	24	1	0	15.54	15.62	18.59	20.17	0.104
	43340	3575.0	43457	3586.7	16QAM	1	24	1	0					
	43373	3578.3	43490	3590.0	16QAM	1	24	1	0					
5MHz+20MHz	43115	3552.5	43232	3564.2	64QAM	1	24	1	0					
	43340	3575.0	43457	3586.7	64QAM	1	24	1	0					
	43373	3578.3	43490	3590.0	64QAM	1	24	1	0					
5MHz+20MHz	43115	3552.5	43232	3564.2	256QAM	1	24	1	0					
	43340	3575.0	43457	3586.7	256QAM	1	24	1	0					
	43373	3578.3	43490	3590.0	256QAM	1	24	1	0					

Part 96_EIRP Limit (dBm/10MHz)	23
Antenna Gain	1.58

## OUTPUT POWER FOR LTE BAND 42C (20MHz + 5MHz)

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average (dBm)			EIRP Average	EIRP Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total	(dBm)	(W)
20MHz+5MHz	43190	3560.0	43307	3571.7	QPSK	1	99	1	0	16.51	16.46	19.50	21.08	0.128
	43340	3575.0	43457	3586.7	QPSK	1	99	1	0					
	43448	3585.8	43565	3597.5	QPSK	1	99	1	0					
20MHz+5MHz	43190	3560.0	43307	3571.7	16QAM	1	99	1	0	15.60	15.62	18.62	20.20	0.105
	43340	3575.0	43457	3586.7	16QAM	1	99	1	0					
	43448	3585.8	43565	3597.5	16QAM	1	99	1	0					
20MHz+5MHz	43190	3560.0	43307	3571.7	64QAM	1	99	1	0					
	43340	3575.0	43457	3586.7	64QAM	1	99	1	0					
	43448	3585.8	43565	3597.5	64QAM	1	99	1	0					
20MHz+5MHz	43190	3560.0	43307	3571.7	256QAM	1	99	1	0					
	43340	3575.0	43457	3586.7	256QAM	1	99	1	0					
	43448	3585.8	43565	3597.5	256QAM	1	99	1	0					

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Part 96_EIRP Limit (dBm/10MHz)	23
Antenna Gain	1.58

## OUTPUT POWER FOR LTE BAND 42C (10MHz + 20MHz)

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average (dBm)			EIRP Average (dBm)	EIRP Average (W)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total		
10MHz+20MHz	43140	3555.0	43284	3569.4	QPSK	1	49	1	0	16.61	16.64	19.64	21.22	0.132
	43340	3575.0	43484	3589.4	QPSK	1	49	1	0					
	43346	3575.6	43490	3590.0	QPSK	1	49	1	0					
10MHz+20MHz	43140	3555.0	43284	3569.4	16QAM	1	49	1	0	15.61	15.73	18.68	20.26	0.106
	43340	3575.0	43484	3589.4	16QAM	1	49	1	0					
	43346	3575.6	43490	3590.0	16QAM	1	49	1	0					
10MHz+20MHz	43140	3555.0	43284	3569.4	64QAM	1	49	1	0					
	43340	3575.0	43484	3589.4	64QAM	1	49	1	0					
	43346	3575.6	43490	3590.0	64QAM	1	49	1	0					
10MHz+20MHz	43140	3555.0	43284	3569.4	256QAM	1	49	1	0					
	43340	3575.0	43484	3589.4	256QAM	1	49	1	0					
	43346	3575.6	43490	3590.0	256QAM	1	49	1	0					

Part 96_EIRP Limit (dBm/10MHz)	23
Antenna Gain	1.58

## OUTPUT POWER FOR LTE BAND 42C (20MHz + 10MHz)

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average (dBm)			EIRP Average (dBm)	EIRP Average (W)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total		
20MHz+10MHz	43190	3560.0	43334	3574.4	QPSK	1	99	1	0	16.53	16.50	19.53	21.11	0.129
	43340	3575.0	43484	3589.4	QPSK	1	99	1	0					
	43396	3580.6	43540	3595.0	QPSK	1	99	1	0					
20MHz+10MHz	43190	3560.0	43334	3574.4	16QAM	1	99	1	0	15.63	15.59	18.62	20.20	0.105
	43340	3575.0	43484	3589.4	16QAM	1	99	1	0					
	43396	3580.6	43540	3595.0	16QAM	1	99	1	0					
20MHz+10MHz	43190	3560.0	43334	3574.4	64QAM	1	99	1	0					
	43340	3575.0	43484	3589.4	64QAM	1	99	1	0					
	43396	3580.6	43540	3595.0	64QAM	1	99	1	0					
20MHz+10MHz	43190	3560.0	43334	3574.4	256QAM	1	99	1	0					
	43340	3575.0	43484	3589.4	256QAM	1	99	1	0					
	43396	3580.6	43540	3595.0	256QAM	1	99	1	0					

Part 96_EIRP Limit (dBm/10MHz)	23
Antenna Gain	1.58

## OUTPUT POWER FOR LTE BAND 42C (15MHz + 20MHz)

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average (dBm)			EIRP Average (dBm)	EIRP Average (W)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total		
15MHz+20MHz	43165	3557.5	43336	3574.6	QPSK	1	74	1	0	16.58	16.60	19.60	21.18	0.131
	43340	3575.0	43511	3592.1	QPSK	1	74	1	0					
	43319	3572.9	43490	3590.0	QPSK	1	74	1	0					
15MHz+20MHz	43165	3557.5	43336	3574.6	16QAM	1	74	1	0	15.82	15.70	18.77	20.35	0.108
	43340	3575.0	43511	3592.1	16QAM	1	74	1	0					
	43319	3572.9	43490	3590.0	16QAM	1	74	1	0					
15MHz+20MHz	43165	3557.5	43336	3574.6	64QAM	1	74	1	0					
	43340	3575.0	43511	3592.1	64QAM	1	74	1	0					
	43319	3572.9	43490	3590.0	64QAM	1	74	1	0					
15MHz+20MHz	43165	3557.5	43336	3574.6	256QAM	1	74	1	0					
	43340	3575.0	43511	3592.1	256QAM	1	74	1	0					
	43319	3572.9	43490	3590.0	256QAM	1	74	1	0					

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions>, and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Part 96 EIRP Limit (dBm/10MHz)	23
Antenna Gain	1.58

## OUTPUT POWER FOR LTE BAND 42C (20MHz + 15MHz)

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average (dBm)			EIRP Average (dBm)	EIRP Average (W)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total		
20MHz+15MHz	43190	3560.0	43361	3577.1	QPSK	1	99	1	0	16.56	16.67	19.63	21.21	0.132
	43340	3575.0	43511	3592.1	QPSK	1	99	1	0					
	43344	3575.4	43515	3592.5	QPSK	1	99	1	0					
20MHz+15MHz	43190	3560.0	43361	3577.1	16QAM	1	99	1	0	15.65	15.87	18.77	20.35	0.108
	43340	3575.0	43511	3592.1	16QAM	1	99	1	0					
	43344	3575.4	43515	3592.5	16QAM	1	99	1	0					
20MHz+15MHz	43190	3560.0	43361	3577.1	64QAM	1	99	1	0					
	43340	3575.0	43511	3592.1	64QAM	1	99	1	0					
	43344	3575.4	43515	3592.5	64QAM	1	99	1	0					
20MHz+15MHz	43190	3560.0	43361	3577.1	256QAM	1	99	1	0					
	43340	3575.0	43511	3592.1	256QAM	1	99	1	0					
	43344	3575.4	43515	3592.5	256QAM	1	99	1	0					

Part 96 EIRP Limit (dBm/10MHz)	23
Antenna Gain	1.58

## OUTPUT POWER FOR LTE BAND 42C (20MHz + 20MHz)

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average (dBm)			EIRP Average (dBm)	EIRP Average (W)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total		
20MHz+20MHz	43190	3560.0	43388	3579.8	QPSK	1	99	1	0	16.81	16.80	19.82	21.40	0.138
	43240	3565.0	43438	3584.8	QPSK	1	99	1	0	16.79	16.79	19.80	21.38	0.137
	43292	3570.2	43490	3590.0	QPSK	1	99	1	0	16.62	16.63	19.64	21.22	0.132
20MHz+20MHz	43190	3560.0	43388	3579.8	16QAM	1	99	1	0	16.01	16.02	19.03	20.61	0.115
	43240	3565.0	43438	3584.8	16QAM	1	99	1	0	15.86	15.88	18.88	20.46	0.111
	43292	3570.2	43490	3590.0	16QAM	1	99	1	0	15.69	15.73	18.72	20.30	0.107
20MHz+20MHz	43190	3560.0	43388	3579.8	64QAM	1	99	1	0	13.38	13.36	16.38	17.96	0.063
	43240	3565.0	43438	3584.8	64QAM	1	99	1	0	13.55	13.96	16.77	18.35	0.068
	43292	3570.2	43490	3590.0	64QAM	1	99	1	0	13.49	13.46	16.49	18.07	0.064
20MHz+20MHz	43190	3560.0	43388	3579.8	256QAM	1	99	1	0	11.74	11.71	14.74	16.32	0.043
	43240	3565.0	43438	3584.8	256QAM	1	99	1	0	11.68	11.81	14.76	16.34	0.043
	43292	3570.2	43490	3590.0	256QAM	1	99	1	0	11.63	11.57	14.61	16.19	0.042

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

## Mode: 5GNR

5G NR Band n48_part96 : 3550 to 3700 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)		0.93			Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (dBm)		23dBm/10MHz			Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	637000	641666	646332	637000	641666	646332
					3555	3624.99	3694.98	3555	3624.99	3694.98
10	15	DFT-s PI/2 BPSK	1	1	20.88	20.89	20.88	21.81	<b>21.82</b>	21.81
			1	50	20.62	20.61	20.65	21.55	21.54	21.58
			25	12	20.85	20.80	20.85	21.78	21.73	21.78
			50	0	20.36	20.35	20.31	21.29	21.28	21.24
		DFT-s QPSK	1	1	20.83	20.82	20.82	21.76	21.75	21.75
			1	50	20.50	20.50	20.47	21.43	21.43	21.40
			25	12	20.81	20.86	20.83	21.74	<b>21.79</b>	21.76
			50	0	19.84	19.84	19.83	20.77	20.77	20.76
		DFT-s 16QAM	1	1	19.77	19.79	19.80	20.70	20.72	<b>20.73</b>
		DFT-s 64QAM	1	1	18.21	18.23	18.24	19.14	19.16	19.17
		DFT-s 256QAM	1	1	15.81	15.80	15.85	16.74	16.73	16.78
		CP QPSK	1	1	19.27	19.26	19.24	<b>20.20</b>	20.19	20.17
		CP 16QAM	1	1	18.47	18.44	18.44	<b>19.40</b>	19.37	19.37
		CP 64QAM	1	1	16.86	16.91	16.85	17.79	17.84	17.78
		CP 256QAM	1	1	13.79	13.81	13.82	14.72	14.74	14.75

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

5G NR Band n48_part96 : 3550 to 3700 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)			0.93		Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (dBm)			23dBm/10MHz		Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	637168	641666	646166	637168	641666	646166
					3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	15	DFT-s PI/2 BPSK	1	1	21.24	21.37	21.29	22.17	22.30	22.22
			1	77	20.94	21.05	20.95	21.87	21.98	21.88
			36	18	21.09	21.06	21.08	22.02	21.99	22.01
			75	0	20.59	20.57	20.56	21.52	21.50	21.49
		DFT-s QPSK	1	1	21.21	21.17	21.21	22.14	22.10	22.14
			1	77	20.87	20.84	20.87	21.80	21.77	21.80
			36	18	21.07	21.09	21.06	22.00	22.02	21.99
			75	0	20.04	20.06	20.04	20.97	20.99	20.97
		DFT-s 16QAM	1	1	19.68	19.68	19.69	20.61	20.61	20.62
		DFT-s 64QAM	1	1	17.88	17.92	17.91	18.81	18.85	18.84
		DFT-s 256QAM	1	1	16.06	16.02	15.97	16.99	16.95	16.90
		CP QPSK	1	1	19.30	19.28	19.29	20.23	20.21	20.22
		CP 16QAM	1	1	18.94	18.92	18.90	19.87	19.85	19.83
		CP 64QAM	1	1	17.71	17.77	17.67	18.64	18.70	18.60
		CP 256QAM	1	1	13.94	13.98	13.98	14.87	14.91	14.91
5G NR Band n48_part96 : 3550 to 3700 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)			0.93		Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (dBm)			23dBm/10MHz		Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	637334	641666	646000	637334	641666	646000
					3560.01	3624.99	3690	3560.01	3624.99	3690
20	15	DFT-s PI/2 BPSK	1	1	20.93	20.87	20.90	21.86	21.80	21.83
			1	104	21.17	21.16	21.15	22.10	22.09	22.08
			50	25	21.14	21.06	21.06	22.07	21.99	21.99
			100	0	20.52	20.57	20.54	21.45	21.50	21.47
		DFT-s QPSK	1	1	20.95	20.98	20.90	21.88	21.91	21.83
			1	104	21.24	21.26	21.25	22.17	22.19	22.18
			50	25	21.11	21.17	21.13	22.04	22.10	22.06
			100	0	20.04	20.04	20.04	20.97	20.97	20.97
		DFT-s 16QAM	1	104	20.34	20.42	20.41	21.27	21.35	21.34
		DFT-s 64QAM	1	104	18.42	18.46	18.50	19.35	19.39	19.43
		DFT-s 256QAM	1	104	15.92	15.87	15.93	16.85	16.80	16.86
		CP QPSK	1	104	19.46	19.47	19.39	20.39	20.40	20.32
		CP 16QAM	1	104	19.23	19.23	19.23	20.16	20.16	20.16
		CP 64QAM	1	104	17.88	17.87	17.87	18.81	18.80	18.80
		CP 256QAM	1	104	13.85	13.81	13.83	14.78	14.74	14.76

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

5G NR Band n48_part96 : 3550 to 3700 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)			0.93		Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (dBm)			23dBm/10MHz		Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	637668	641666	645666	637668	641666	645666
					3565.02	3624.99	3684.99	3565.02	3624.99	3684.99
30	15	DFT-s PI/2 BPSK	1	1	21.19	21.14	21.12	22.12	22.07	22.05
			1	158	20.95	20.93	20.90	21.88	21.86	21.83
			80	40	20.75	20.71	20.70	21.68	21.64	21.63
			160	0	20.56	20.56	20.51	21.49	21.49	21.44
		DFT-s QPSK	1	1	21.12	21.12	21.17	22.05	22.05	22.10
			1	158	20.95	20.95	20.97	21.88	21.88	21.90
			80	40	20.72	20.77	20.70	21.65	21.70	21.63
			160	0	19.99	20.07	19.99	20.92	21.00	20.92
		DFT-s 16QAM	1	1	19.94	19.89	19.95	20.87	20.82	20.88
		DFT-s 64QAM	1	1	17.77	17.78	17.83	18.70	18.71	18.76
		DFT-s 256QAM	1	1	16.28	16.29	16.25	17.21	17.22	17.18
		CP QPSK	1	1	19.16	19.21	19.18	20.09	20.14	20.11
		CP 16QAM	1	1	18.83	18.77	18.79	19.76	19.70	19.72
		CP 64QAM	1	1	17.25	17.30	17.24	18.18	18.23	18.17
		CP 256QAM	1	1	14.25	14.19	14.24	15.18	15.12	15.17
5G NR Band n48_part96 : 3550 to 3700 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)			0.93		Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (dBm)			23dBm/10MHz		Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	638000	641666	645332	638000	641666	645332
					3570	3625.02	3679.98	3570	3625.02	3679.98
40	15	DFT-s PI/2 BPSK	1	1	21.19	21.10	21.11	22.12	22.03	22.04
			1	214	20.75	20.76	20.69	21.68	21.69	21.62
			108	54	20.58	20.56	20.55	21.51	21.49	21.48
			216	0	20.54	20.52	20.45	21.47	21.45	21.38
		DFT-s QPSK	1	1	21.17	21.09	21.18	22.10	22.02	22.11
			1	214	20.64	20.64	20.68	21.57	21.57	21.61
			108	54	20.46	20.44	20.46	21.39	21.37	21.39
			216	0	20.02	19.98	19.92	20.95	20.91	20.85
		DFT-s 16QAM	1	1	19.84	19.84	19.82	20.77	20.77	20.75
		DFT-s 64QAM	1	1	18.14	18.16	18.13	19.07	19.09	19.06
		DFT-s 256QAM	1	1	15.90	15.90	15.82	16.83	16.83	16.75
		CP QPSK	1	1	18.95	18.99	18.95	19.88	19.92	19.88
		CP 16QAM	1	1	18.84	18.78	18.83	19.77	19.71	19.76
		CP 64QAM	1	1	17.61	17.61	17.58	18.54	18.54	18.51
		CP 256QAM	1	1	13.83	13.80	13.80	14.76	14.73	14.73

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

5G NR Band n48_part96: 3550 to 3700 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)			0.93		Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (dBm)			23dBm/10MHz		Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	637000	641666	646332	637000	641666	646332
					3555	3624.99	3694.98	3555	3624.99	3694.98
10	30	DFT-s PI/2 BPSK	1	1	20.90	20.89	20.91	21.83	21.82	21.84
			1	22	20.74	20.72	20.74	21.67	21.65	21.67
			12	6	20.67	20.69	20.69	21.60	21.62	21.62
			24	0	20.21	20.18	20.18	21.14	21.11	21.11
		DFT-s QPSK	1	1	20.76	20.78	20.78	21.69	21.71	21.71
			1	22	20.58	20.57	20.61	21.51	21.50	21.54
			12	6	20.71	20.68	20.69	21.64	21.61	21.62
			24	0	19.68	19.64	19.65	20.61	20.57	20.58
		DFT-s 16QAM	1	1	19.38	19.34	19.33	20.31	20.27	20.26
		DFT-s 64QAM	1	1	17.82	17.77	17.84	18.75	18.70	18.77
		DFT-s 256QAM	1	1	15.45	15.41	15.43	16.38	16.34	16.36
		CP QPSK	1	1	19.26	19.27	19.28	20.19	20.20	20.21
		CP 16QAM	1	1	18.57	18.57	18.56	19.50	19.50	19.49
		CP 64QAM	1	1	16.86	16.86	16.86	17.79	17.79	17.79
		CP 256QAM	1	1	13.60	13.55	13.55	14.53	14.48	14.48

5G NR Band n48_part96: 3550 to 3700 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)			0.93		Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (dBm)			23dBm/10MHz		Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	637168	641666	646166	637168	641666	646166
					3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	30	DFT-s PI/2 BPSK	1	1	20.95	20.92	20.92	21.88	21.85	21.85
			1	36	20.60	20.63	20.59	21.53	21.56	21.52
			18	9	20.71	20.75	20.72	21.64	21.68	21.65
			36	0	20.24	20.23	20.24	21.17	21.16	21.17
		DFT-s QPSK	1	1	20.85	20.84	20.84	21.78	21.77	21.77
			1	36	20.73	20.73	20.73	21.66	21.66	21.66
			18	9	20.75	20.69	20.76	21.68	21.62	21.69
			36	0	19.73	19.69	19.69	20.66	20.62	20.62
		DFT-s 16QAM	1	1	19.72	19.71	19.72	20.65	20.64	20.65
		DFT-s 64QAM	1	1	17.96	18.06	18.00	18.89	18.99	18.93
		DFT-s 256QAM	1	1	15.83	15.85	15.87	16.76	16.78	16.80
		CP QPSK	1	1	19.01	19.01	18.99	19.94	19.94	19.92
		CP 16QAM	1	1	18.87	18.87	18.88	19.80	19.80	19.81
		CP 64QAM	1	1	17.20	17.19	17.19	18.13	18.12	18.12
		CP 256QAM	1	1	13.95	13.95	13.94	14.88	14.88	14.87

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

5G NR Band n48_part96: 3550 to 3700 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)			0.93		Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (dBm)			23dBm/10MHz		Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	637334	641666	646000	637334	641666	646000
					3560.01	3624.99	3690	3560.01	3624.99	3690
20	30	DFT-s PI/2 BPSK	1	1	20.78	20.79	20.82	21.71	21.72	21.75
			1	49	20.61	20.60	20.62	21.54	21.53	21.55
			25	12	20.41	20.41	20.39	21.34	21.34	21.32
			50	0	20.16	20.20	20.19	21.09	21.13	21.12
		DFT-s QPSK	1	1	20.81	20.80	20.79	21.74	21.73	21.72
			1	49	20.62	20.64	20.62	21.55	21.57	21.55
			25	12	20.42	20.42	20.42	21.35	21.35	21.35
			50	0	19.66	19.68	19.68	20.59	20.61	20.61
		DFT-s 16QAM	1	1	19.34	19.32	19.32	20.27	20.25	20.25
		DFT-s 64QAM	1	1	17.75	17.76	17.76	18.68	18.69	18.69
		DFT-s 256QAM	1	1	15.93	15.97	15.93	16.86	16.90	16.86
		CP QPSK	1	1	18.67	18.69	18.73	19.60	19.62	19.66
		CP 16QAM	1	1	18.03	18.03	18.10	18.96	18.96	19.03
		CP 64QAM	1	1	16.68	16.66	16.70	17.61	17.59	17.63
		CP 256QAM	1	1	13.56	13.52	13.56	14.49	14.45	14.49

5G NR Band n48_part96: 3550 to 3700 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)			0.93		Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (dBm)			23dBm/10MHz		Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	637668	641666	645666	637668	641666	645666
					3565.02	3624.99	3684.99	3565.02	3624.99	3684.99
30	30	DFT-s PI/2 BPSK	1	1	20.82	20.81	20.80	21.75	21.74	21.73
			1	76	20.56	20.54	20.52	21.49	21.47	21.45
			36	18	20.33	20.32	20.34	21.26	21.25	21.27
			75	0	20.26	20.23	20.23	21.19	21.16	21.16
		DFT-s QPSK	1	1	20.81	20.81	20.79	21.74	21.74	21.72
			1	76	20.45	20.43	20.44	21.38	21.36	21.37
			36	18	20.26	20.23	20.24	21.19	21.16	21.17
			75	0	19.68	19.68	19.67	20.61	20.61	20.60
		DFT-s 16QAM	1	1	19.48	19.45	19.41	20.41	20.38	20.34
		DFT-s 64QAM	1	1	18.01	18.02	18.05	18.94	18.95	18.98
		DFT-s 256QAM	1	1	15.60	15.62	15.62	16.53	16.55	16.55
		CP QPSK	1	1	18.95	18.98	19.00	19.88	19.91	19.93
		CP 16QAM	1	1	18.31	18.34	18.28	19.24	19.27	19.21
		CP 64QAM	1	1	16.81	16.89	16.88	17.74	17.82	17.81
		CP 256QAM	1	1	13.34	13.33	13.33	14.27	14.26	14.26

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

5G NR Band n48_part96: 3550 to 3700 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)		0.93			Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (dBm)		23dBm/10MHz			Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	638000	641666	645332	638000	641666	645332
					3570	3624.99	3679.98	3570	3624.99	3679.98
40	30	DFT-s PI/2 BPSK	1	1	20.78	20.78	20.81	21.71	21.71	<b>21.74</b>
			1	104	20.56	20.46	20.46	21.49	21.39	21.39
			50	25	20.35	20.25	20.23	21.28	21.18	21.16
			100	0	20.21	20.18	20.16	21.14	21.11	21.09
		DFT-s QPSK	1	1	20.75	20.77	20.79	21.68	21.70	<b>21.72</b>
			1	104	20.59	20.62	20.60	21.52	21.55	21.53
			50	25	20.38	20.42	20.39	21.31	21.35	21.32
			100	0	19.65	19.66	19.64	20.58	20.59	20.57
		DFT-s 16QAM	1	1	19.53	19.53	19.53	<b>20.46</b>	<b>20.46</b>	<b>20.46</b>
		DFT-s 64QAM	1	1	17.57	17.55	17.51	18.50	18.48	18.44
		DFT-s 256QAM	1	1	15.69	15.69	15.72	16.62	16.62	16.65
		CP QPSK	1	1	18.67	18.62	18.64	<b>19.60</b>	19.55	19.57
		CP 16QAM	1	1	18.52	18.50	18.46	<b>19.45</b>	19.43	19.39
		CP 64QAM	1	1	16.62	16.60	16.58	17.55	17.53	17.51
		CP 256QAM	1	1	13.78	13.80	13.81	14.71	14.73	14.74

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

## 8 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

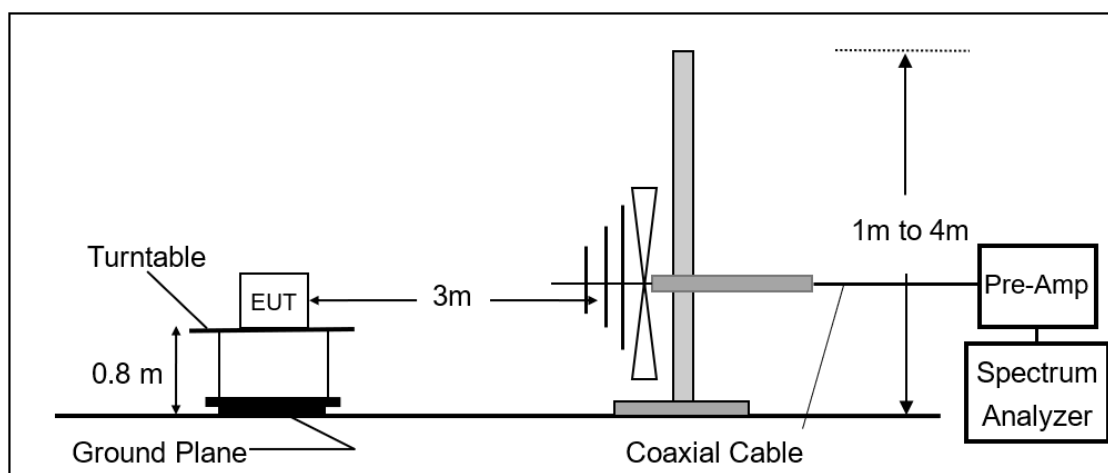
### 8.1 Standard Applicable

FCC Part 2.1053, Part 96.41, C63.26 Clause 5.7

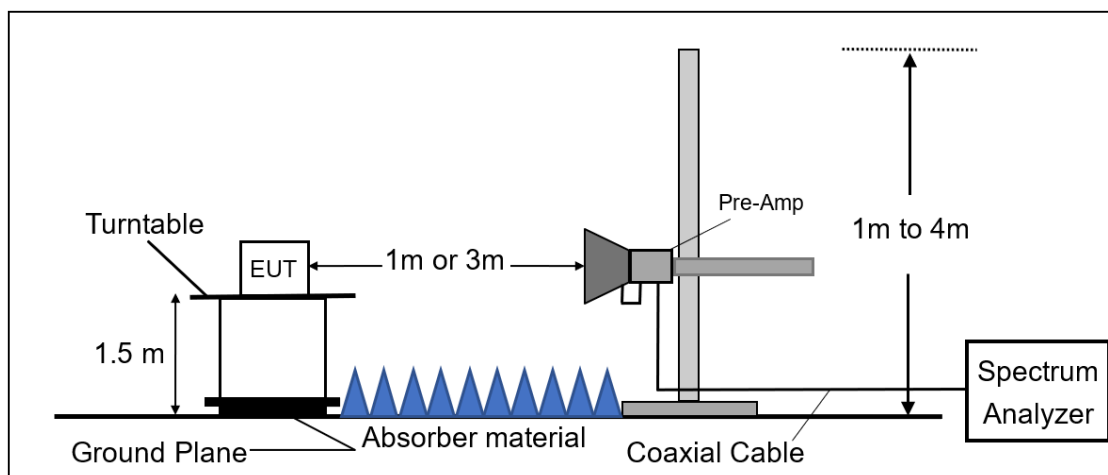
1. within 0 MHz to 10 MHz above and below the **assigned channel**  $\leq -13$  dBm/MHz
2. greater than 10 MHz above and below the **assigned channel**  $\leq -25$  dBm/MHz
3. any emission below 3530 MHz and above 3720 MHz  $\leq -40$  dBm/MHz

### 8.2 EUT Setup

Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz.



Radiated Emission Test Set-Up, Frequency Above 1GHz.



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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

### 8.3 Measurement Procedure:

The EUT was placed on a non-conductive; the measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequencies (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.

The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

ERP (dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

EIRP (dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

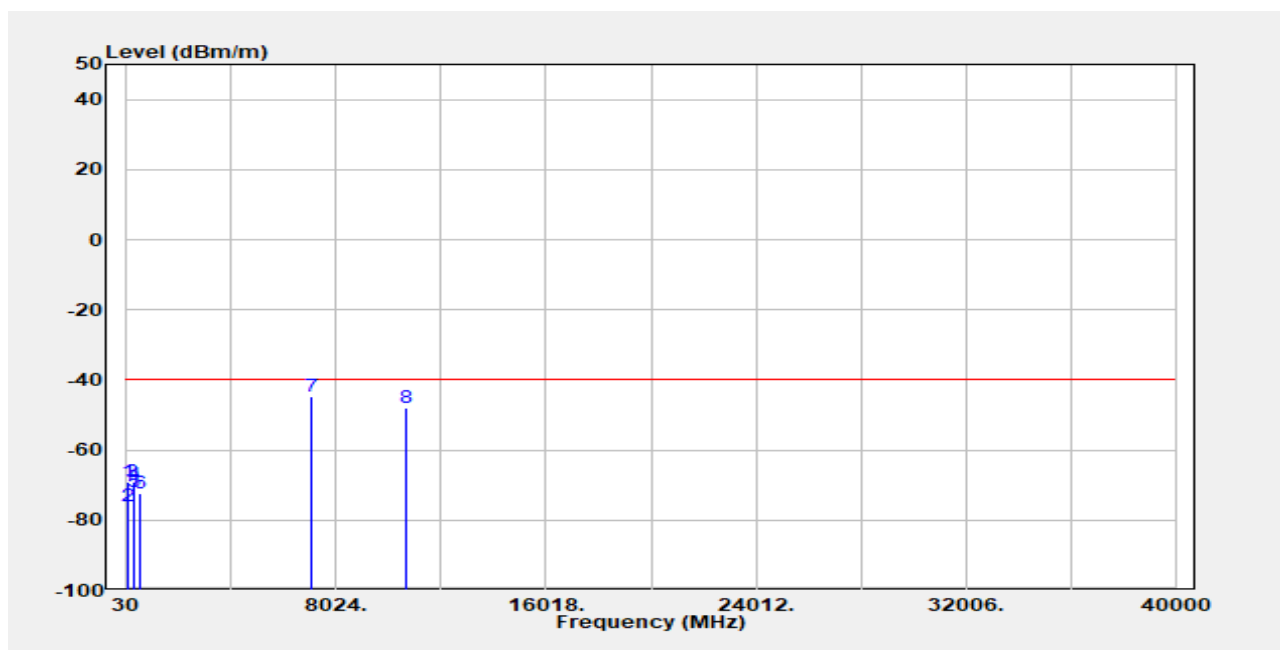
Member of SGS Group

## 8.4 Measurement Result:

## Mode: LTE

Report Number :TERF2412003866ER  
 Operation Mode :LTE B42\_Part 96S  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3552.5 MHz

Test Site :SAC 3  
 Test Date :2025-01-03  
 Temp./Humi. :20.2°C/53%  
 Antenna Pol. :Vertical  
 Engineer :Nick Lin



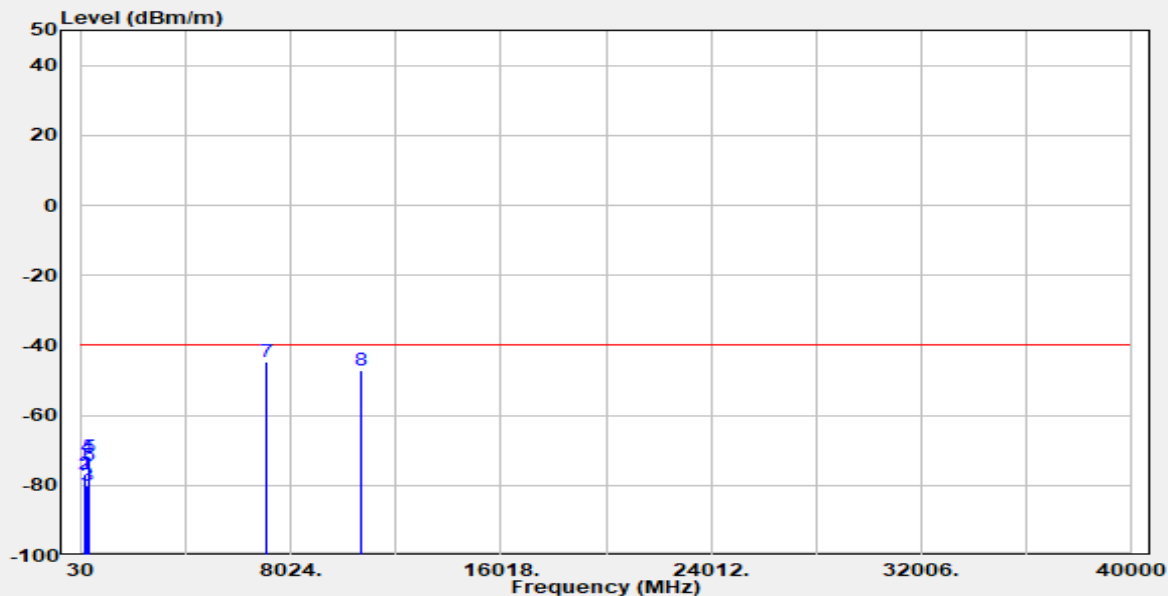
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
56.22	-69.12	-56.94	-10.80	-1.37	-40.00	-29.12
69.81	-76.10	-67.89	-6.68	-1.53	-40.00	-36.10
270.80	-69.18	-69.95	3.79	-3.01	-40.00	-29.18
297.99	-70.00	-70.66	3.80	-3.15	-40.00	-30.00
325.18	-71.95	-72.57	3.92	-3.30	-40.00	-31.95
539.76	-72.55	-72.63	4.32	-4.24	-40.00	-32.55
7105.00	-44.80	-39.80	10.99	-15.99	-40.00	-4.80
10657.50	-48.00	-39.72	11.41	-19.69	-40.00	-8.00

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
Operation Mode :LTE B42\_Part 96S  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :3552.5 MHz

Test Site :SAC 3  
Test Date :2025-01-03  
Temp./Humi. :20.2°C/53%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
135.84	-76.68	-72.79	-1.76	-2.13	-40.00	-36.68
153.31	-76.80	-73.09	-1.44	-2.26	-40.00	-36.80
243.61	-80.17	-80.98	3.67	-2.85	-40.00	-40.17
270.80	-72.04	-72.82	3.79	-3.01	-40.00	-32.04
297.99	-71.80	-72.46	3.80	-3.15	-40.00	-31.80
325.18	-74.32	-74.94	3.92	-3.30	-40.00	-34.32
7105.00	-44.85	-39.84	10.99	-15.99	-40.00	-4.85
10657.50	-47.09	-38.82	11.41	-19.69	-40.00	-7.09

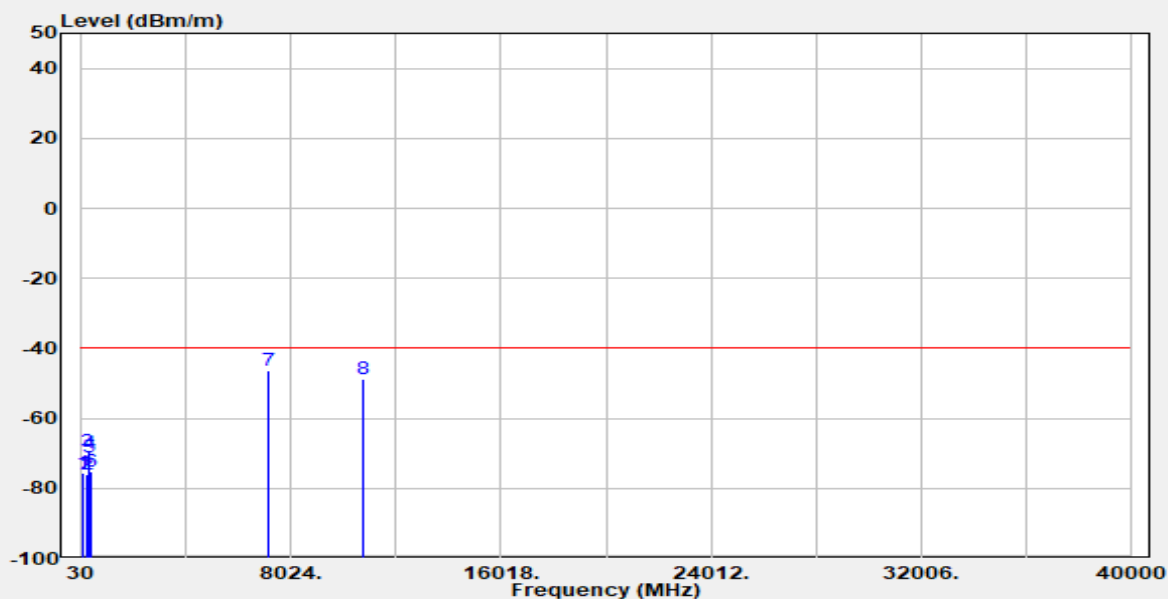
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
 Operation Mode :LTE B42\_Part 96S  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3575 MHz

Test Site :SAC 3  
 Test Date :2025-01-03  
 Temp./Humi. :20.2°C/53%  
 Antenna Pol. :Vertical  
 Engineer :Nick Lin



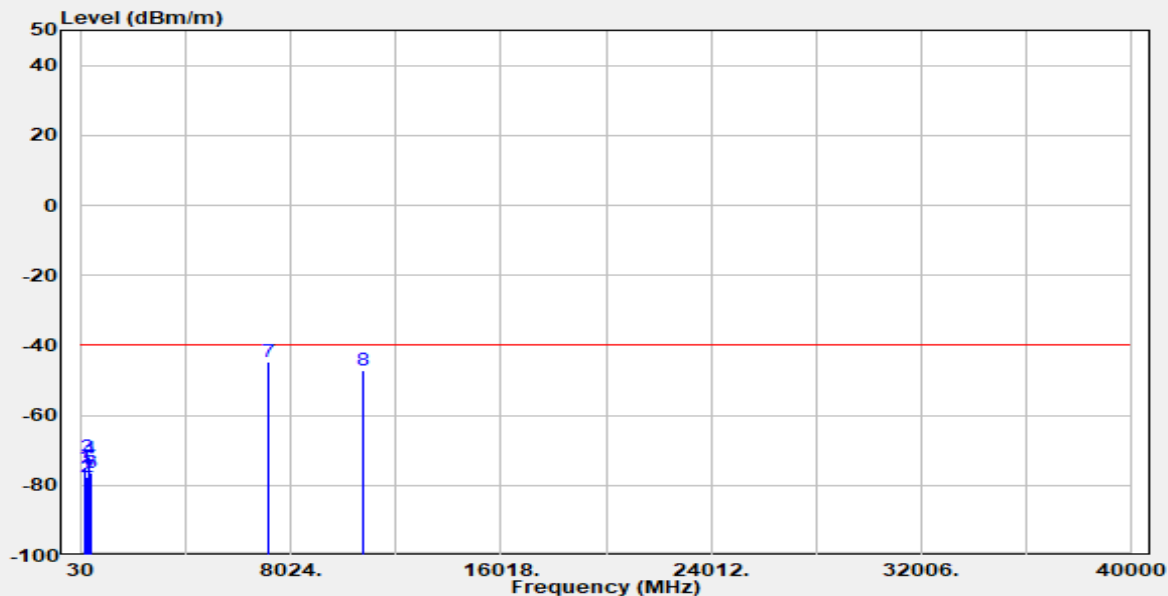
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
66.90	-75.49	-66.29	-7.70	-1.50	-40.00	-35.49
228.08	-76.18	-78.25	4.83	-2.76	-40.00	-36.18
270.80	-69.55	-70.32	3.79	-3.01	-40.00	-29.55
297.99	-69.75	-70.41	3.80	-3.15	-40.00	-29.75
325.18	-71.00	-71.63	3.92	-3.30	-40.00	-31.00
352.36	-75.07	-75.87	4.22	-3.42	-40.00	-35.07
7150.00	-46.46	-41.32	10.90	-16.04	-40.00	-6.46
10725.00	-48.86	-40.48	11.40	-19.78	-40.00	-8.86

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
 Operation Mode :LTE B42\_Part 96S  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3575 MHz

Test Site :SAC 3  
 Test Date :2025-01-03  
 Temp./Humi. :20.2°C/53%  
 Antenna Pol. :Horizontal  
 Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
153.31	-74.96	-71.25	-1.44	-2.26	-40.00	-34.96
236.82	-77.66	-78.73	3.88	-2.81	-40.00	-37.66
270.80	-71.96	-72.73	3.79	-3.01	-40.00	-31.96
297.99	-72.44	-73.09	3.80	-3.15	-40.00	-32.44
325.18	-75.12	-75.74	3.92	-3.30	-40.00	-35.12
352.36	-76.24	-77.04	4.22	-3.42	-40.00	-36.24
7150.00	-44.66	-39.52	10.90	-16.04	-40.00	-4.66
10725.00	-47.13	-38.75	11.40	-19.78	-40.00	-7.13

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

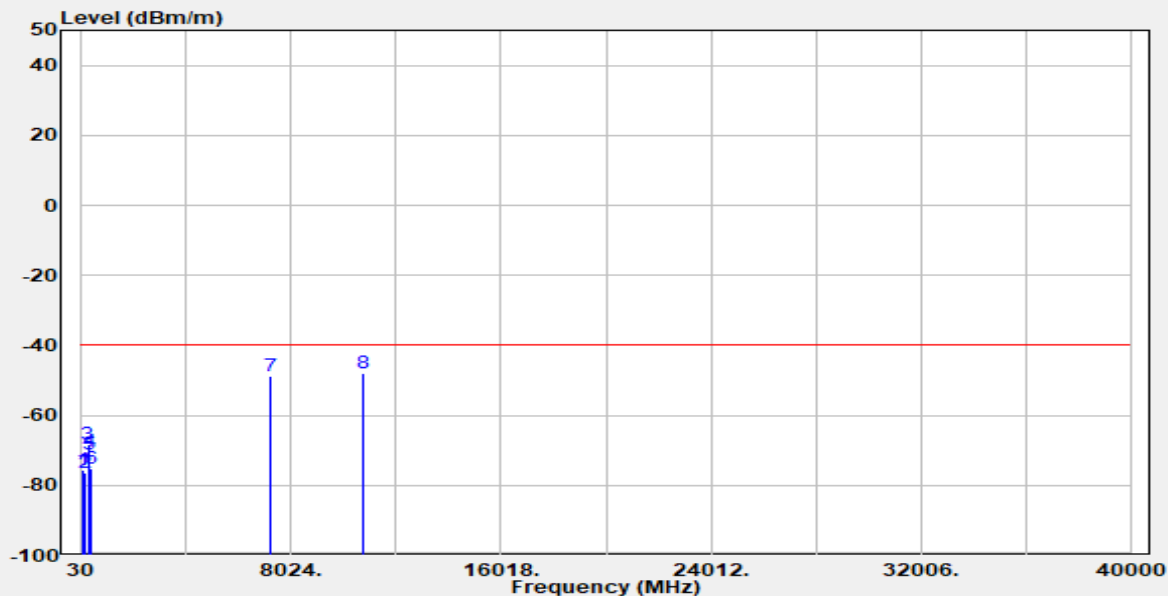
f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

Report Number :TERF2412003866ER  
 Operation Mode :LTE B42\_Part 96S  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3597.5 MHz

Test Site :SAC 3  
 Test Date :2025-01-03  
 Temp./Humi. :20.2°C/53%  
 Antenna Pol. :Vertical  
 Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
67.87	-75.42	-66.32	-7.59	-1.51	-40.00	-35.42
135.84	-76.40	-72.51	-1.76	-2.13	-40.00	-36.40
270.80	-68.43	-69.20	3.79	-3.01	-40.00	-28.43
297.99	-70.18	-70.83	3.80	-3.15	-40.00	-30.18
325.18	-71.11	-71.73	3.92	-3.30	-40.00	-31.11
352.36	-75.36	-76.15	4.22	-3.42	-40.00	-35.36
7195.00	-48.83	-43.65	10.90	-16.09	-40.00	-8.83
10792.50	-47.80	-39.16	11.22	-19.86	-40.00	-7.80

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

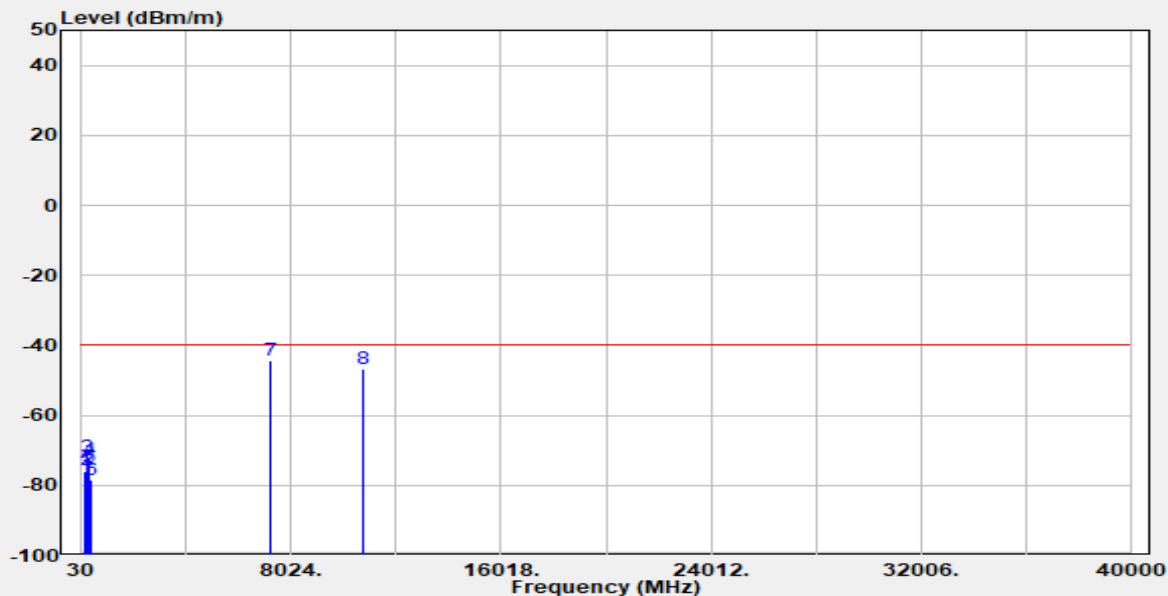
f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

Report Number :TERF2412003866ER  
 Operation Mode :LTE B42\_Part 96S  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3597.5 MHz

Test Site :SAC 3  
 Test Date :2025-01-03  
 Temp./Humi. :20.2°C/53%  
 Antenna Pol. :Horizontal  
 Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
154.28	-75.90	-72.15	-1.48	-2.27	-40.00	-35.90
230.02	-75.53	-77.47	4.71	-2.77	-40.00	-35.53
270.80	-71.81	-72.58	3.79	-3.01	-40.00	-31.81
297.99	-72.63	-73.28	3.80	-3.15	-40.00	-32.63
325.18	-74.84	-75.46	3.92	-3.30	-40.00	-34.84
356.25	-78.32	-79.14	4.26	-3.44	-40.00	-38.32
7195.00	-44.13	-38.94	10.90	-16.09	-40.00	-4.13
10792.50	-46.81	-38.17	11.22	-19.86	-40.00	-6.81

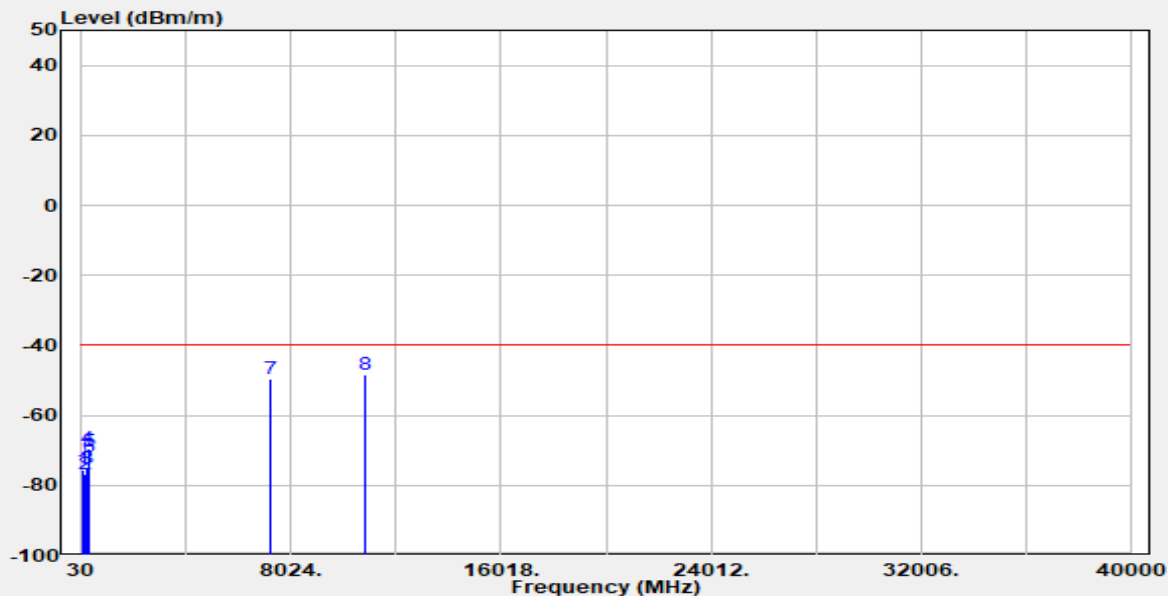
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
 Operation Mode :LTE B43\_Part 96S  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3602.5 MHz

Test Site :SAC 3  
 Test Date :2025-01-03  
 Temp./Humi. :20.2°C/53%  
 Antenna Pol. :Vertical  
 Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
67.87	-75.67	-66.57	-7.59	-1.51	-40.00	-35.67
135.84	-76.91	-73.01	-1.76	-2.13	-40.00	-36.91
246.53	-75.11	-75.89	3.65	-2.87	-40.00	-35.11
270.80	-69.33	-70.11	3.79	-3.01	-40.00	-29.33
297.99	-70.38	-71.04	3.80	-3.15	-40.00	-30.38
325.18	-71.86	-72.48	3.92	-3.30	-40.00	-31.86
7205.00	-49.41	-44.20	10.89	-16.10	-40.00	-9.41
10807.50	-48.30	-39.63	11.20	-19.88	-40.00	-8.30

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

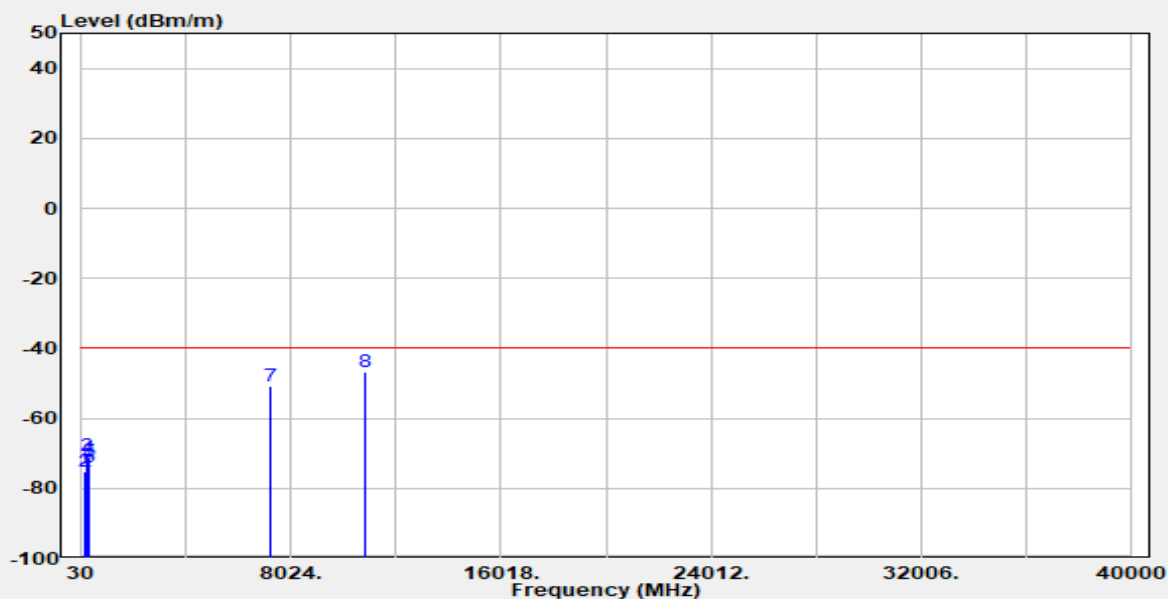
f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

Report Number :TERF2412003866ER  
 Operation Mode :LTE B43\_Part 96S  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3602.5 MHz

Test Site :SAC 3  
 Test Date :2025-01-03  
 Temp./Humi. :20.2°C/53%  
 Antenna Pol. :Horizontal  
 Engineer :Nick Lin



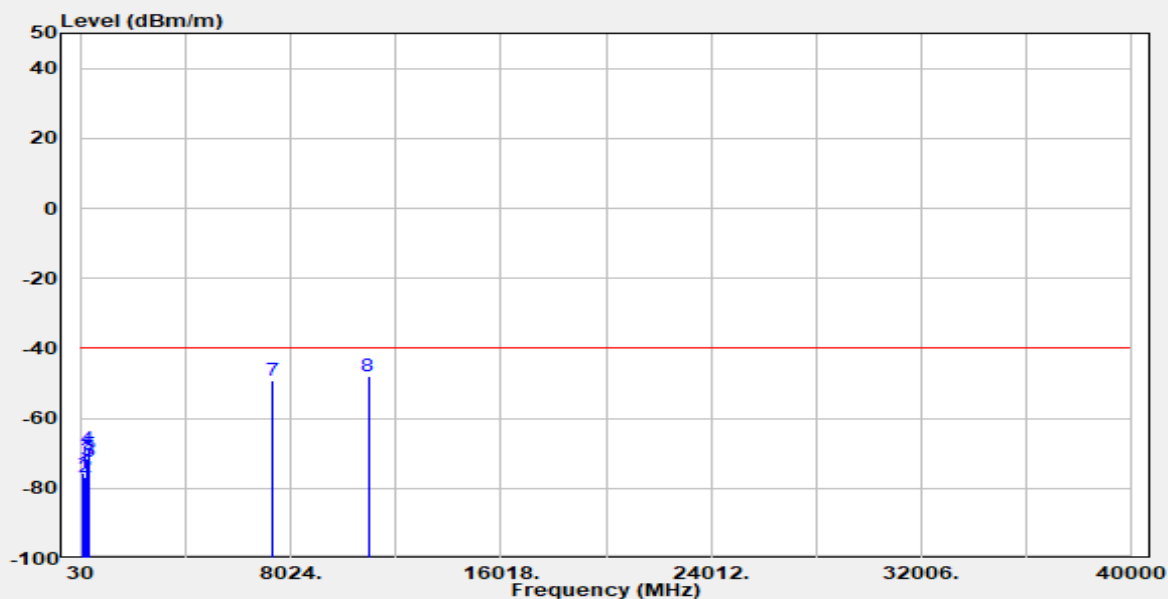
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
135.84	-76.75	-72.86	-1.76	-2.13	-40.00	-36.75
156.23	-75.40	-71.80	-1.32	-2.28	-40.00	-35.40
245.56	-70.76	-71.56	3.66	-2.86	-40.00	-30.76
270.80	-71.50	-72.28	3.79	-3.01	-40.00	-31.50
297.99	-72.25	-72.90	3.80	-3.15	-40.00	-32.25
325.18	-73.79	-74.41	3.92	-3.30	-40.00	-33.79
7205.00	-50.84	-45.64	10.89	-16.10	-40.00	-10.84
10807.50	-46.85	-38.17	11.20	-19.88	-40.00	-6.85

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
Operation Mode :LTE B43\_Part 96S  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :3650 MHz

Test Site :SAC 3  
Test Date :2025-01-03  
Temp./Humi. :20.2°C/53%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



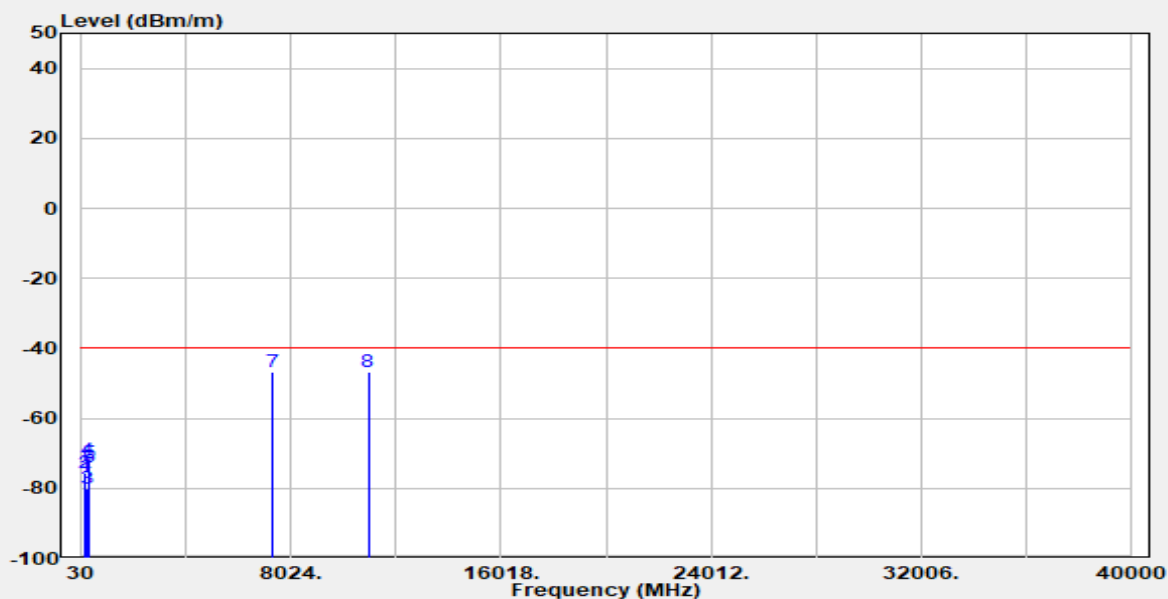
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
70.78	-75.49	-67.51	-6.44	-1.54	-40.00	-35.49
135.84	-76.82	-72.93	-1.76	-2.13	-40.00	-36.82
234.88	-72.10	-73.32	4.02	-2.80	-40.00	-32.10
270.80	-68.57	-69.34	3.79	-3.01	-40.00	-28.57
297.99	-70.15	-70.81	3.80	-3.15	-40.00	-30.15
325.18	-72.23	-72.85	3.92	-3.30	-40.00	-32.23
7300.00	-49.30	-43.99	10.90	-16.21	-40.00	-9.30
10950.00	-48.01	-39.13	11.10	-19.98	-40.00	-8.01

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
 Operation Mode :LTE B43\_Part 96S  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3650 MHz

Test Site :SAC 3  
 Test Date :2025-01-03  
 Temp./Humi. :20.2°C/53%  
 Antenna Pol. :Horizontal  
 Engineer :Nick Lin



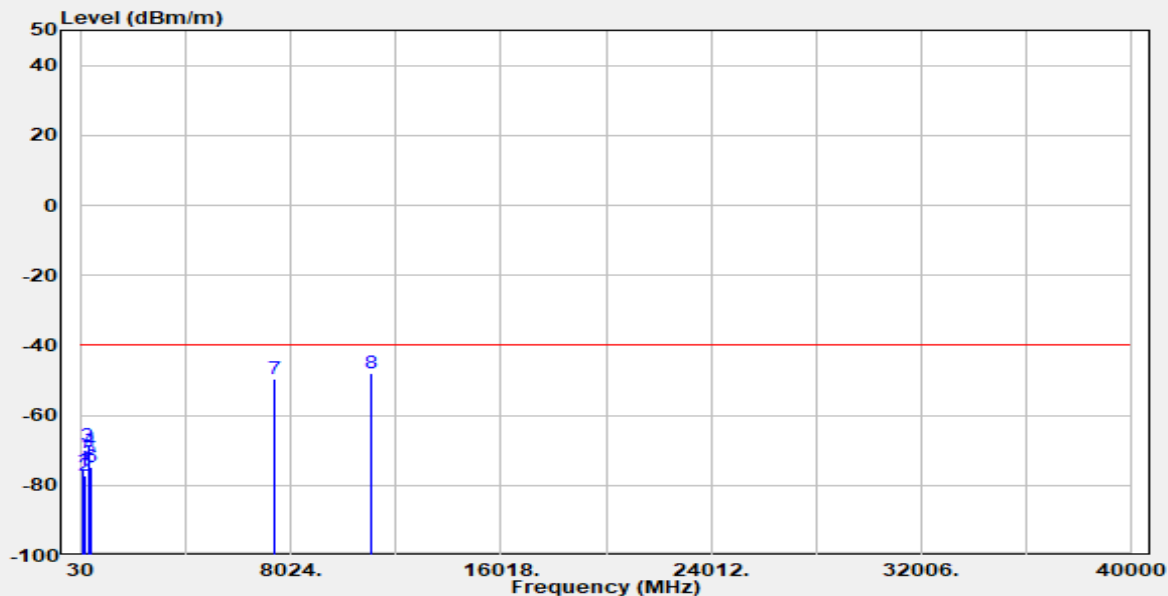
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
135.84	-76.25	-72.36	-1.76	-2.13	-40.00	-36.25
150.40	-75.49	-71.57	-1.68	-2.24	-40.00	-35.49
243.61	-80.21	-81.02	3.67	-2.85	-40.00	-40.21
270.80	-72.04	-72.81	3.79	-3.01	-40.00	-32.04
297.99	-72.80	-73.46	3.80	-3.15	-40.00	-32.80
325.18	-74.08	-74.70	3.92	-3.30	-40.00	-34.08
7300.00	-46.91	-41.60	10.90	-16.21	-40.00	-6.91
10950.00	-46.81	-37.93	11.10	-19.98	-40.00	-6.81

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
Operation Mode :LTE B43\_Part 96S  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :3697.5 MHz

Test Site :SAC 3  
Test Date :2025-01-03  
Temp./Humi. :20.2°C/53%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
65.93	-75.54	-66.27	-7.78	-1.49	-40.00	-35.54
129.04	-77.43	-73.64	-1.71	-2.08	-40.00	-37.43
270.80	-68.82	-69.60	3.79	-3.01	-40.00	-28.82
297.99	-70.02	-70.68	3.80	-3.15	-40.00	-30.02
325.18	-72.19	-72.81	3.92	-3.30	-40.00	-32.19
352.36	-74.94	-75.74	4.22	-3.42	-40.00	-34.94
7395.00	-49.69	-44.26	10.90	-16.33	-40.00	-9.69
11092.50	-48.08	-39.31	11.37	-20.14	-40.00	-8.08

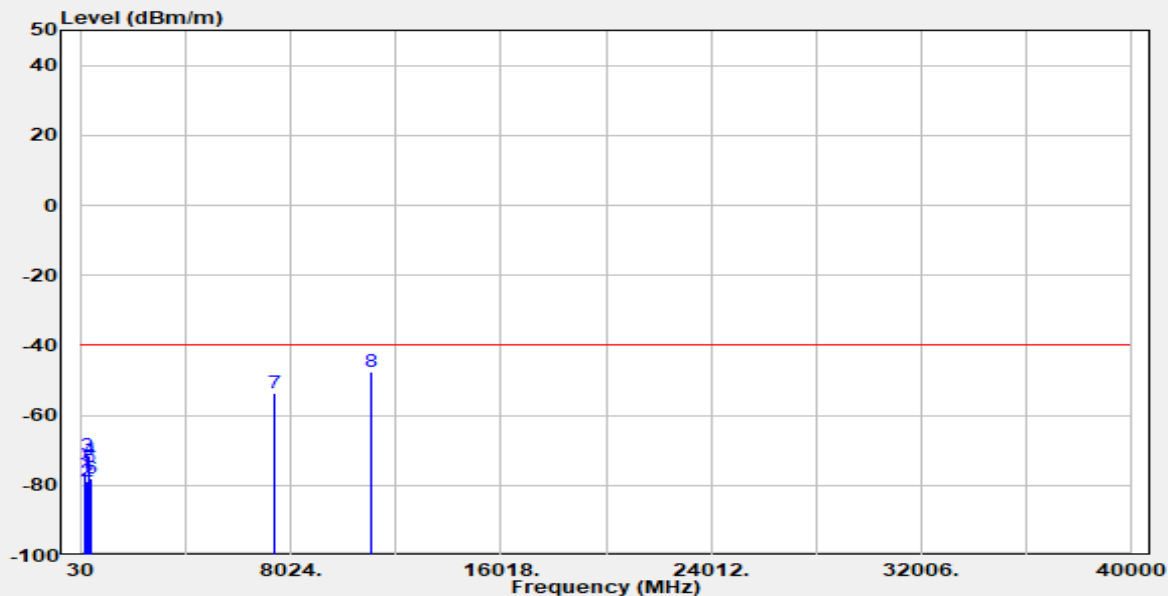
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
Operation Mode :LTE B43\_Part 96S  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :3697.5 MHz

Test Site :SAC 3  
Test Date :2025-01-03  
Temp./Humi. :20.2°C/53%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
152.34	-76.60	-72.82	-1.53	-2.26	-40.00	-36.60
230.02	-78.98	-80.91	4.71	-2.77	-40.00	-38.98
270.80	-71.49	-72.26	3.79	-3.01	-40.00	-31.49
297.99	-72.57	-73.22	3.80	-3.15	-40.00	-32.57
325.18	-74.98	-75.60	3.92	-3.30	-40.00	-34.98
352.36	-77.85	-78.65	4.22	-3.42	-40.00	-37.85
7395.00	-53.54	-48.11	10.90	-16.33	-40.00	-13.54
11092.50	-47.72	-38.95	11.37	-20.14	-40.00	-7.72

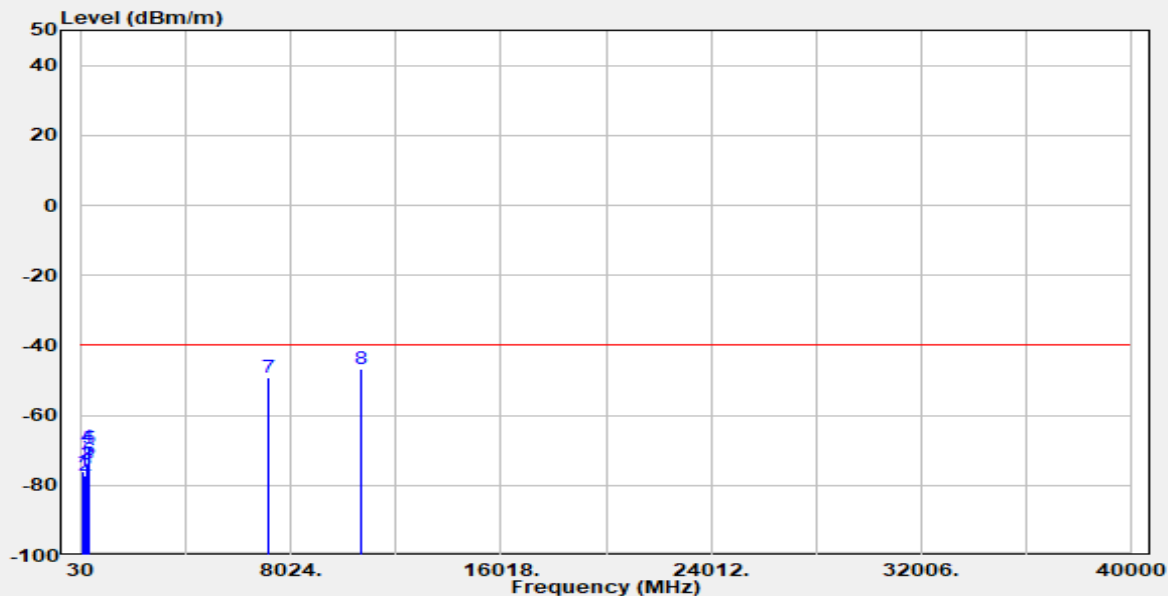
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
Operation Mode :LTE B48  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :3560 MHz

Test Site :SAC 3  
Test Date :2025-01-03  
Temp./Humi. :20.2°C/53%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



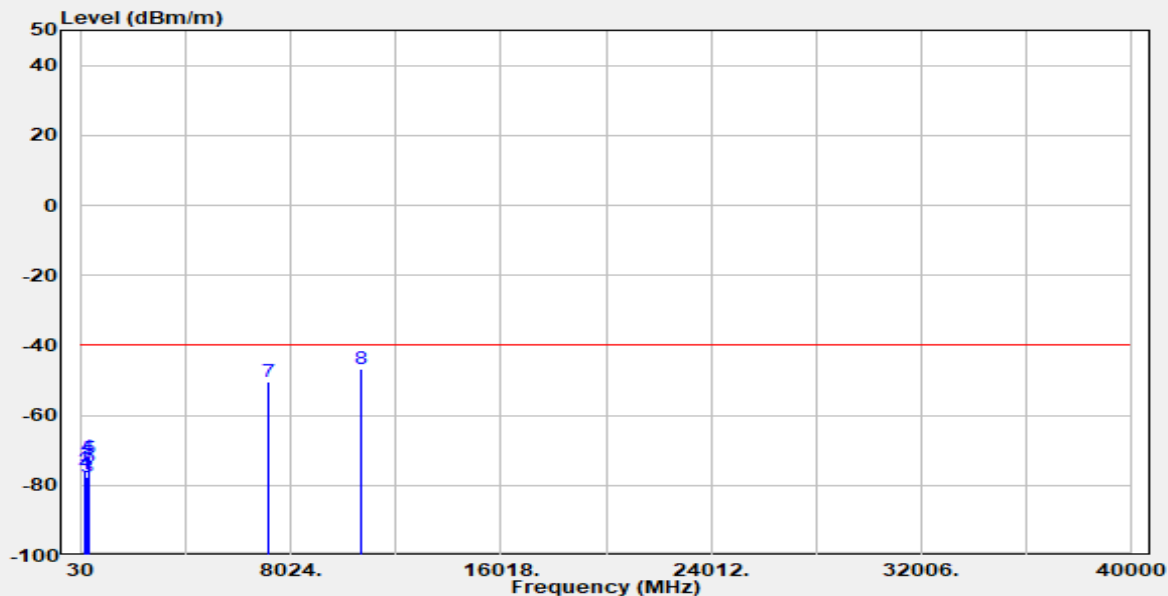
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
70.78	-76.00	-68.02	-6.44	-1.54	-40.00	-36.00
135.84	-77.27	-73.38	-1.76	-2.13	-40.00	-37.27
236.82	-74.03	-75.11	3.88	-2.81	-40.00	-34.03
270.80	-69.04	-69.81	3.79	-3.01	-40.00	-29.04
297.99	-69.55	-70.20	3.80	-3.15	-40.00	-29.55
325.18	-72.64	-73.26	3.92	-3.30	-40.00	-32.64
7120.00	-49.02	-43.97	10.96	-16.01	-40.00	-9.02
10680.00	-46.70	-38.44	11.46	-19.72	-40.00	-6.70

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
 Operation Mode :LTE B48  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3560 MHz

Test Site :SAC 3  
 Test Date :2025-01-03  
 Temp./Humi. :20.2°C/53%  
 Antenna Pol. :Horizontal  
 Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
135.84	-76.75	-72.86	-1.76	-2.13	-40.00	-36.75
166.91	-75.70	-72.86	-0.47	-2.37	-40.00	-35.70
238.76	-77.56	-78.50	3.76	-2.82	-40.00	-37.56
270.80	-72.09	-72.86	3.79	-3.01	-40.00	-32.09
297.99	-72.37	-73.03	3.80	-3.15	-40.00	-32.37
325.18	-74.96	-75.58	3.92	-3.30	-40.00	-34.96
7120.00	-50.54	-45.49	10.96	-16.01	-40.00	-10.54
10680.00	-46.78	-38.52	11.46	-19.72	-40.00	-6.78

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

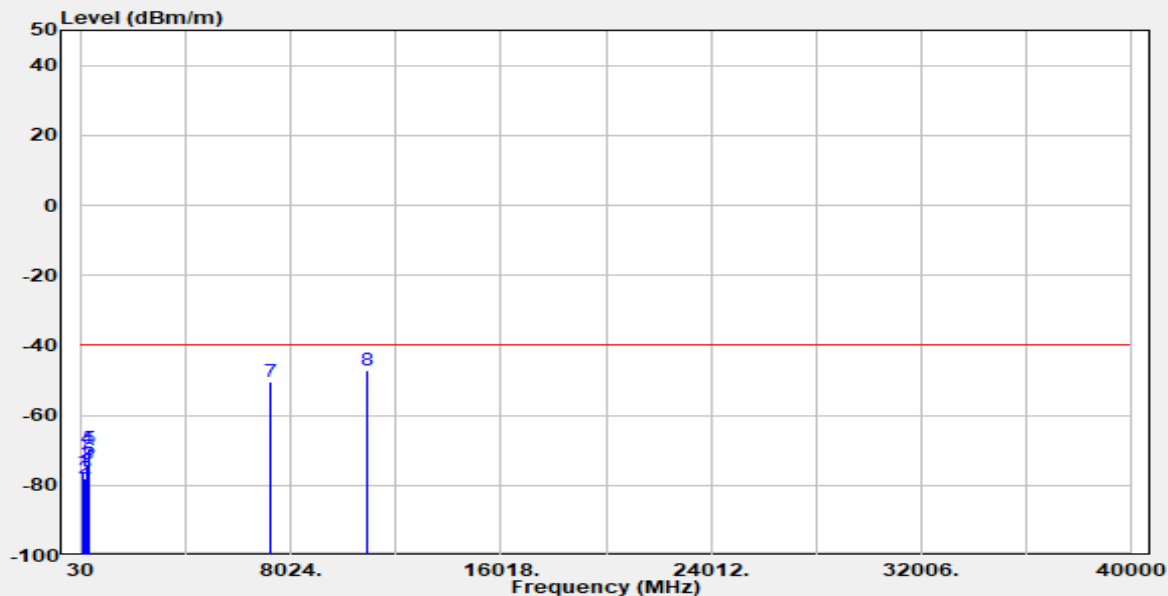
f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

Report Number :TERF2412003866ER  
 Operation Mode :LTE B48  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3625 MHz

Test Site :SAC 3  
 Test Date :2025-01-03  
 Temp./Humi. :20.2°C/53%  
 Antenna Pol. :Vertical  
 Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
65.93	-75.85	-66.58	-7.78	-1.49	-40.00	-35.85
135.84	-78.16	-74.27	-1.76	-2.13	-40.00	-38.16
229.05	-74.02	-76.02	4.77	-2.76	-40.00	-34.02
270.80	-69.54	-70.32	3.79	-3.01	-40.00	-29.54
297.99	-69.61	-70.26	3.80	-3.15	-40.00	-29.61
325.18	-72.67	-73.29	3.92	-3.30	-40.00	-32.67
7250.00	-50.37	-45.02	10.80	-16.15	-40.00	-10.37
10875.00	-47.19	-38.40	11.15	-19.94	-40.00	-7.19

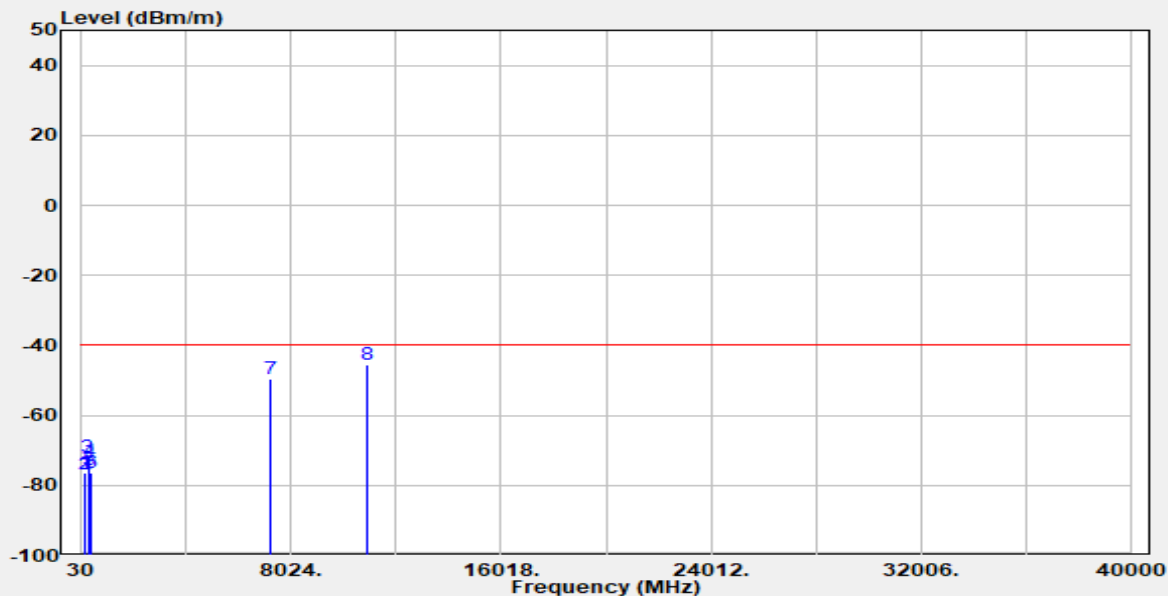
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
 Operation Mode :LTE B48  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3625 MHz

Test Site :SAC 3  
 Test Date :2025-01-03  
 Temp./Humi. :20.2°C/53%  
 Antenna Pol. :Horizontal  
 Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
135.84	-76.44	-72.55	-1.76	-2.13	-40.00	-36.44
148.46	-76.80	-72.93	-1.64	-2.23	-40.00	-36.80
270.80	-72.02	-72.79	3.79	-3.01	-40.00	-32.02
297.99	-73.24	-73.90	3.80	-3.15	-40.00	-33.24
325.18	-75.79	-76.41	3.92	-3.30	-40.00	-35.79
379.55	-76.43	-76.86	3.99	-3.56	-40.00	-36.43
7250.00	-49.75	-44.40	10.80	-16.15	-40.00	-9.75
10875.00	-45.48	-36.70	11.15	-19.94	-40.00	-5.48

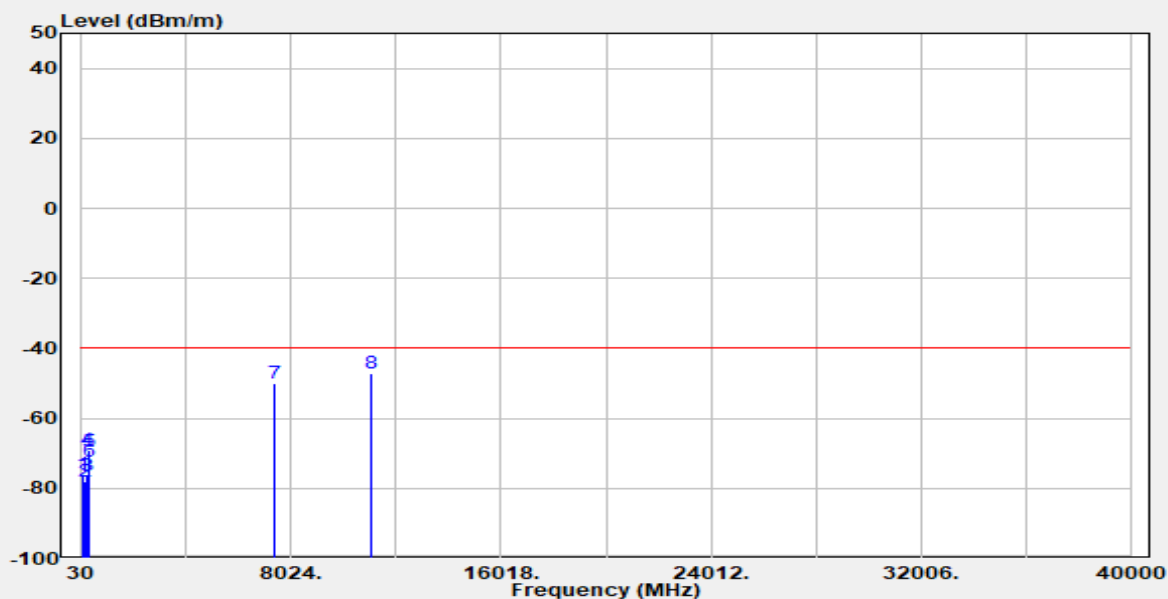
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
Operation Mode :LTE B48  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :3690 MHz

Test Site :SAC 3  
Test Date :2025-01-03  
Temp./Humi. :20.2°C/53%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



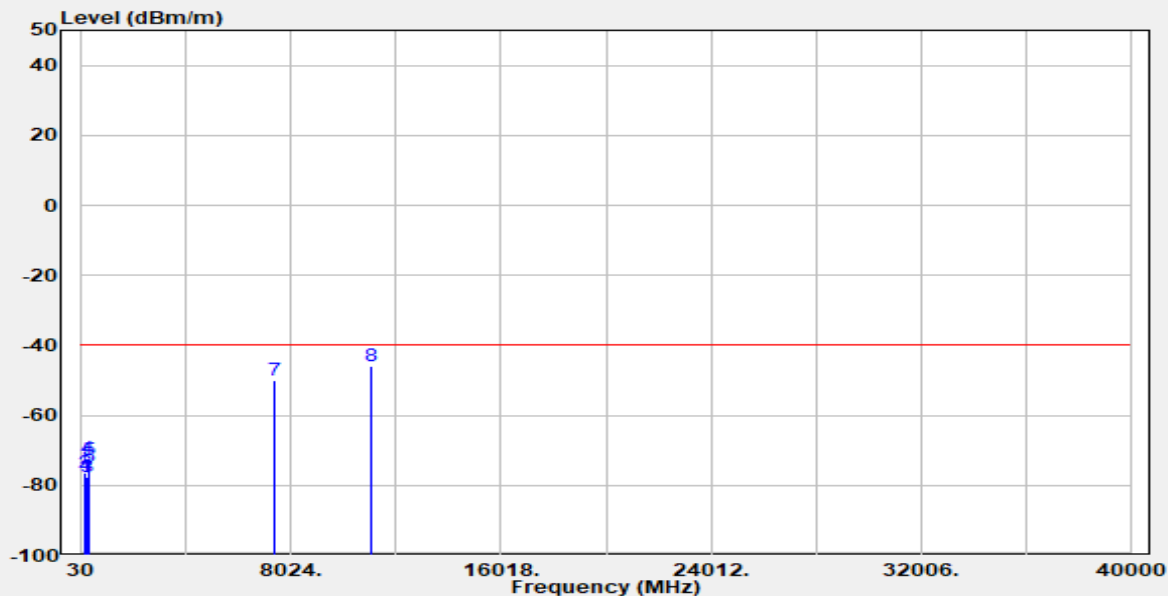
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
69.81	-75.91	-67.70	-6.68	-1.53	-40.00	-35.91
135.84	-77.86	-73.97	-1.76	-2.13	-40.00	-37.86
230.02	-76.22	-78.16	4.71	-2.77	-40.00	-36.22
270.80	-69.25	-70.02	3.79	-3.01	-40.00	-29.25
297.99	-69.50	-70.16	3.80	-3.15	-40.00	-29.50
325.18	-72.17	-72.79	3.92	-3.30	-40.00	-32.17
7380.00	-49.87	-44.46	10.90	-16.32	-40.00	-9.87
11070.00	-47.06	-38.23	11.28	-20.11	-40.00	-7.06

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
 Operation Mode :LTE B48  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3690 MHz

Test Site :SAC 3  
 Test Date :2025-01-03  
 Temp./Humi. :20.2°C/53%  
 Antenna Pol. :Horizontal  
 Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
135.84	-77.58	-73.69	-1.76	-2.13	-40.00	-37.58
167.88	-76.31	-73.61	-0.33	-2.37	-40.00	-36.31
250.41	-77.69	-78.44	3.65	-2.89	-40.00	-37.69
270.80	-72.27	-73.05	3.79	-3.01	-40.00	-32.27
297.99	-72.61	-73.27	3.80	-3.15	-40.00	-32.61
325.18	-74.66	-75.28	3.92	-3.30	-40.00	-34.66
7380.00	-50.09	-44.68	10.90	-16.32	-40.00	-10.09
11070.00	-45.82	-36.99	11.28	-20.11	-40.00	-5.82

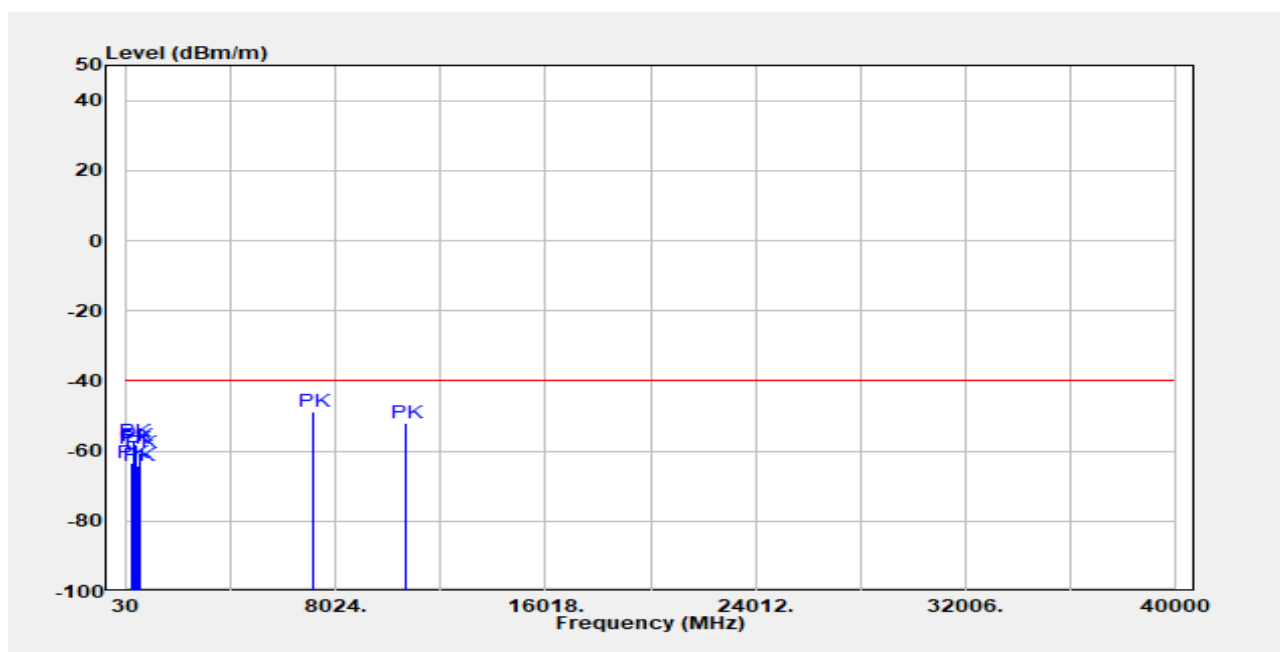
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.  
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

## Mode: ULCA

Report Number :TERF2412003866ER  
 Operation Mode :ULCA 42C  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3569.9 MHz

Test Site :SAC 2  
 Test Date :2025-01-15  
 Temp./Humi. :24.0°C/54%  
 Antenna Pol. :Vertical  
 Engineer :Bob Chao



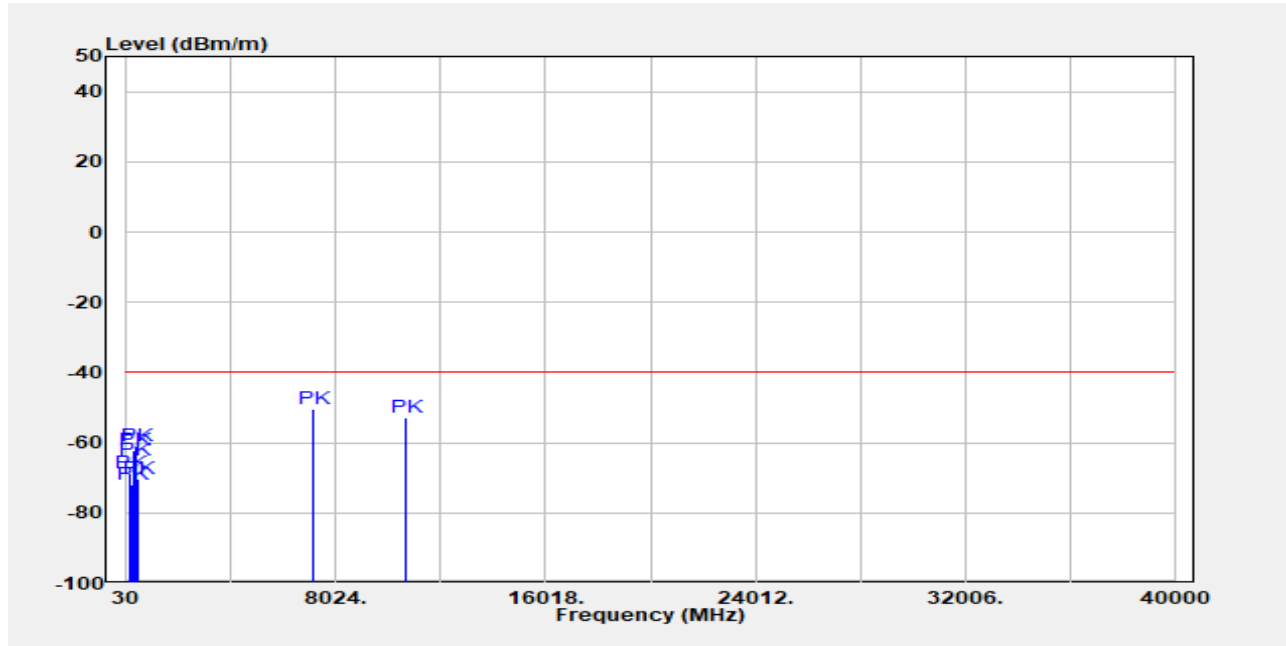
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
224.582	-63.55	-65.81	5.00	-2.74	-40.00	-23.55
275.410	-57.14	-57.78	3.67	-3.04	-40.00	-17.14
324.492	-59.54	-60.16	3.92	-3.29	-40.00	-19.54
375.514	-58.65	-59.17	4.05	-3.54	-40.00	-18.65
425.566	-64.28	-64.54	4.03	-3.76	-40.00	-24.28
524.506	-60.68	-60.48	3.98	-4.18	-40.00	-20.68
7139.800	-48.66	-43.67	11.04	-16.03	-40.00	-8.66
10709.700	-52.22	-43.64	11.18	-19.76	-40.00	-12.22

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
 Operation Mode :ULCA 42C  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3569.9 MHz

Test Site :SAC 2  
 Test Date :2025-01-15  
 Temp./Humi. :24.0°C/54%  
 Antenna Pol. :Horizontal  
 Engineer :Bob Chao



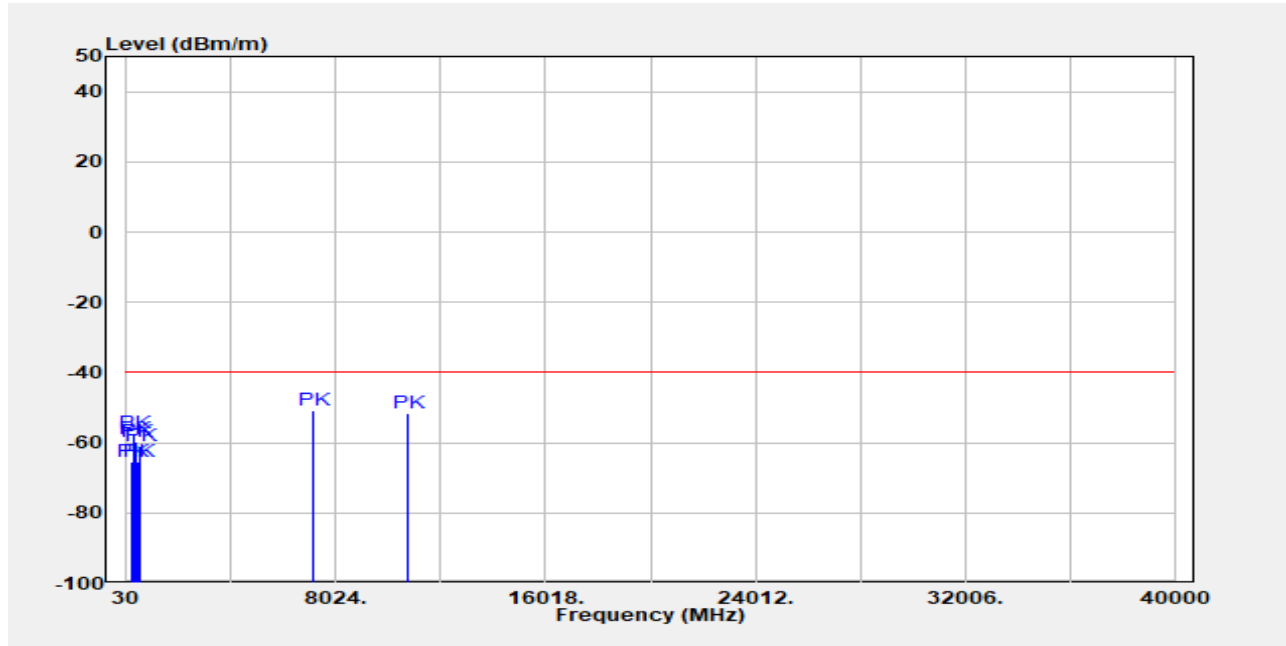
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
161.532	-68.84	-65.61	-0.90	-2.32	-40.00	-28.84
225.552	-72.07	-74.31	4.99	-2.74	-40.00	-32.07
275.604	-65.18	-65.82	3.68	-3.04	-40.00	-25.18
325.462	-62.15	-62.77	3.91	-3.30	-40.00	-22.15
375.514	-61.13	-61.65	4.05	-3.54	-40.00	-21.13
475.424	-70.18	-70.21	4.01	-3.98	-40.00	-30.18
7139.800	-50.34	-45.35	11.04	-16.03	-40.00	-10.34
10709.700	-52.92	-44.34	11.18	-19.76	-40.00	-12.92

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
 Operation Mode :ULCA 42C  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3574.9 MHz

Test Site :SAC 2  
 Test Date :2025-01-15  
 Temp./Humi. :24.0°C/54%  
 Antenna Pol. :Vertical  
 Engineer :Bob Chao



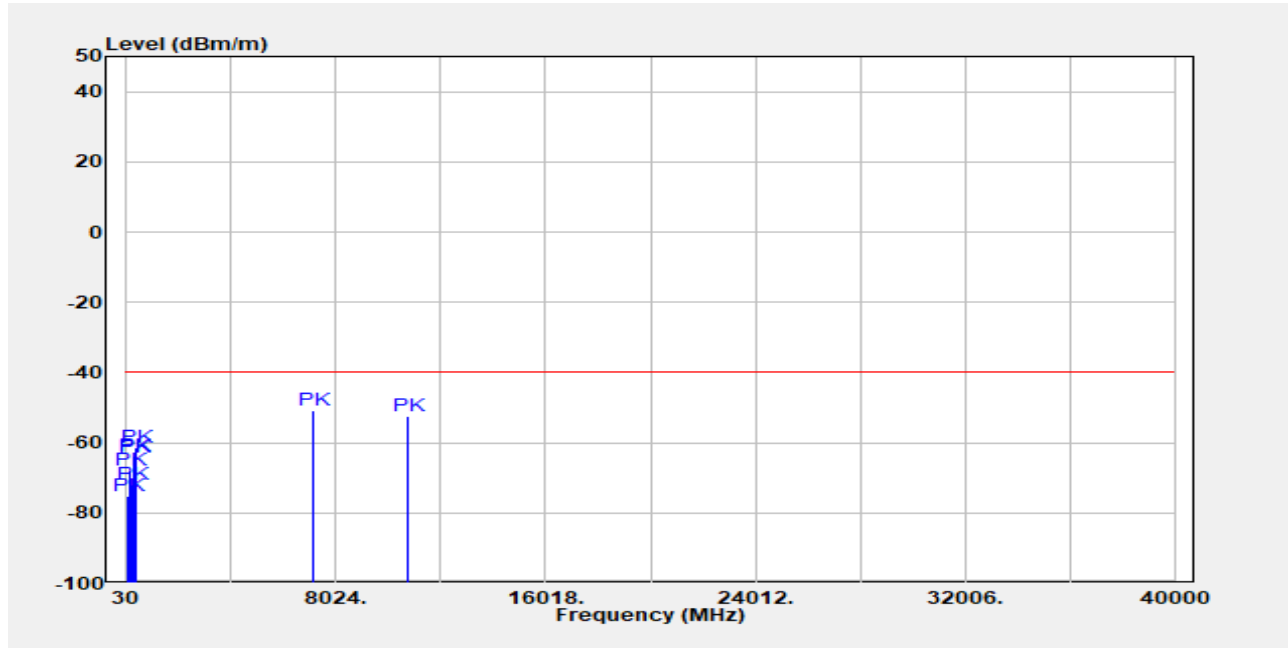
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
225.552	-65.27	-67.51	4.99	-2.74	-40.00	-25.27
275.410	-57.45	-58.09	3.67	-3.04	-40.00	-17.45
325.462	-58.94	-59.56	3.91	-3.30	-40.00	-18.94
374.544	-59.85	-60.39	4.07	-3.53	-40.00	-19.85
424.596	-65.43	-65.73	4.06	-3.76	-40.00	-25.43
524.506	-60.83	-60.63	3.98	-4.18	-40.00	-20.83
7149.800	-50.74	-45.70	11.00	-16.04	-40.00	-10.74
10724.700	-51.56	-42.93	11.15	-19.78	-40.00	-11.56

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
Operation Mode :ULCA 42C  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :3574.9 MHz

Test Site :SAC 2  
Test Date :2025-01-15  
Temp./Humi. :24.0°C/54%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
107.794	-75.05	-71.66	-1.49	-1.90	-40.00	-35.05
162.308	-67.74	-64.60	-0.81	-2.33	-40.00	-27.74
225.552	-72.06	-74.31	4.99	-2.74	-40.00	-32.06
275.410	-64.08	-64.72	3.67	-3.04	-40.00	-24.08
324.492	-63.71	-64.33	3.92	-3.29	-40.00	-23.71
374.544	-61.55	-62.08	4.07	-3.53	-40.00	-21.55
7149.800	-50.78	-45.74	11.00	-16.04	-40.00	-10.78
10724.700	-52.42	-43.79	11.15	-19.78	-40.00	-12.42

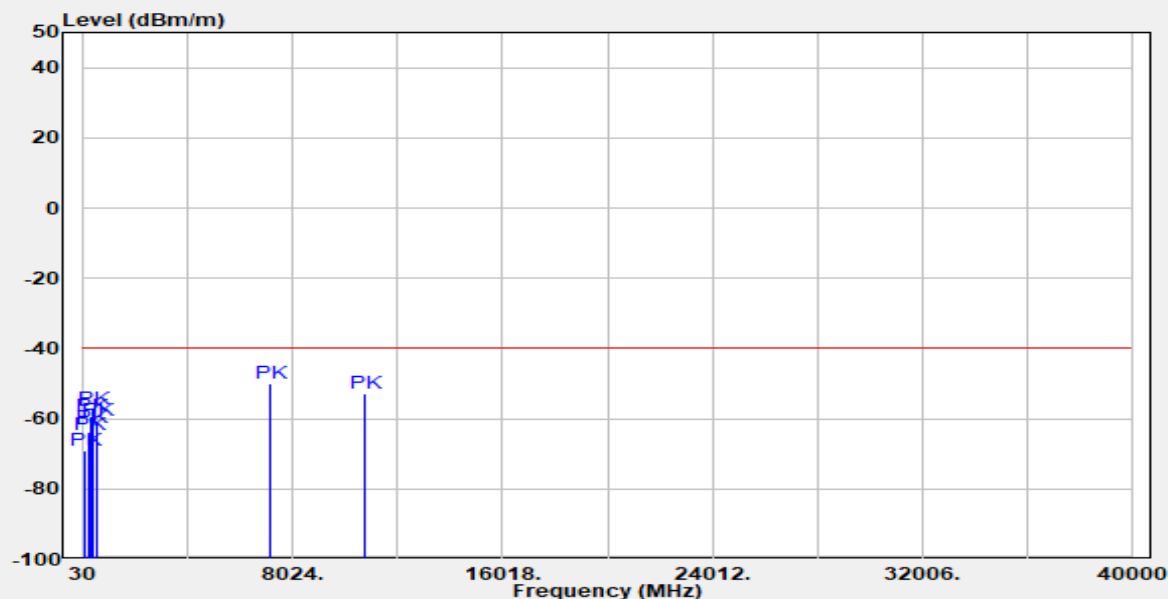
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
 Operation Mode :ULCA 42C  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3580.1 MHz

Test Site :SAC 2  
 Test Date :2025-01-15  
 Temp./Humi. :24.0°C/54%  
 Antenna Pol. :Vertical  
 Engineer :Bob Chao



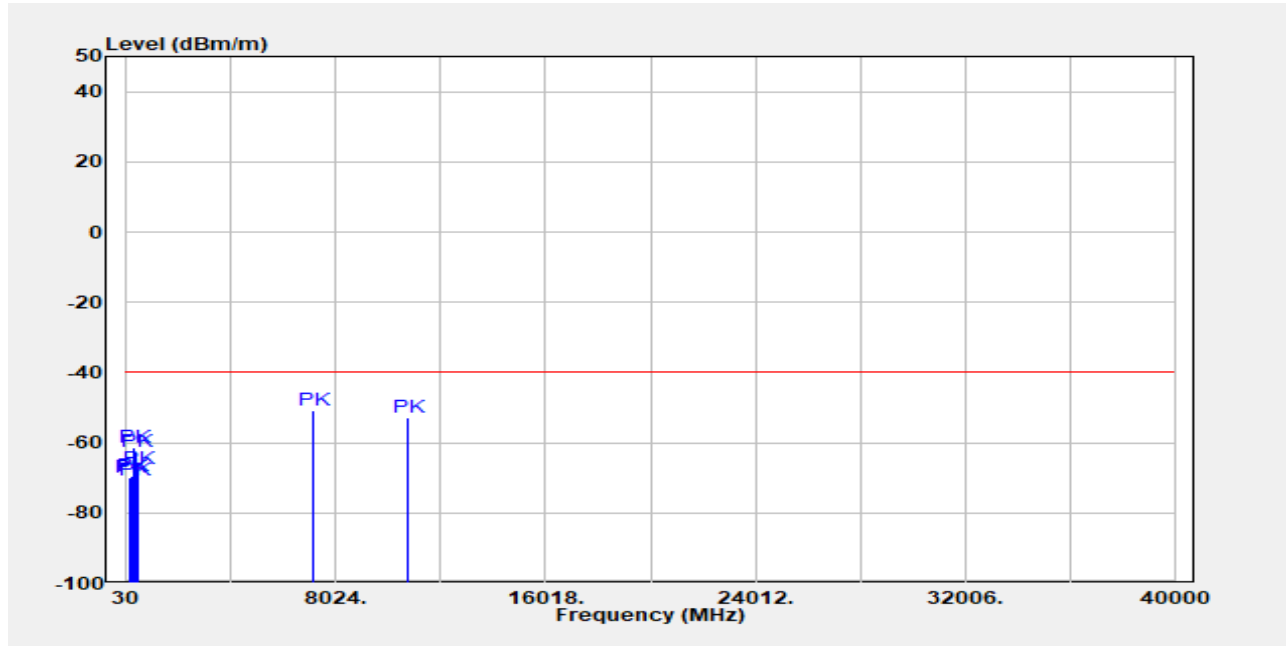
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
75.590	-69.29	-62.93	-4.77	-1.59	-40.00	-29.29
224.582	-64.59	-66.85	5.00	-2.74	-40.00	-24.59
275.410	-59.24	-59.88	3.67	-3.04	-40.00	-19.24
325.462	-62.52	-63.13	3.91	-3.30	-40.00	-22.52
375.514	-57.28	-57.80	4.05	-3.54	-40.00	-17.28
524.506	-60.47	-60.27	3.98	-4.18	-40.00	-20.47
7160.200	-50.18	-45.09	10.96	-16.05	-40.00	-10.18
10740.300	-52.79	-44.11	11.12	-19.80	-40.00	-12.79

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
 Operation Mode :ULCA 42C  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3580.1 MHz

Test Site :SAC 2  
 Test Date :2025-01-15  
 Temp./Humi. :24.0°C/54%  
 Antenna Pol. :Horizontal  
 Engineer :Bob Chao



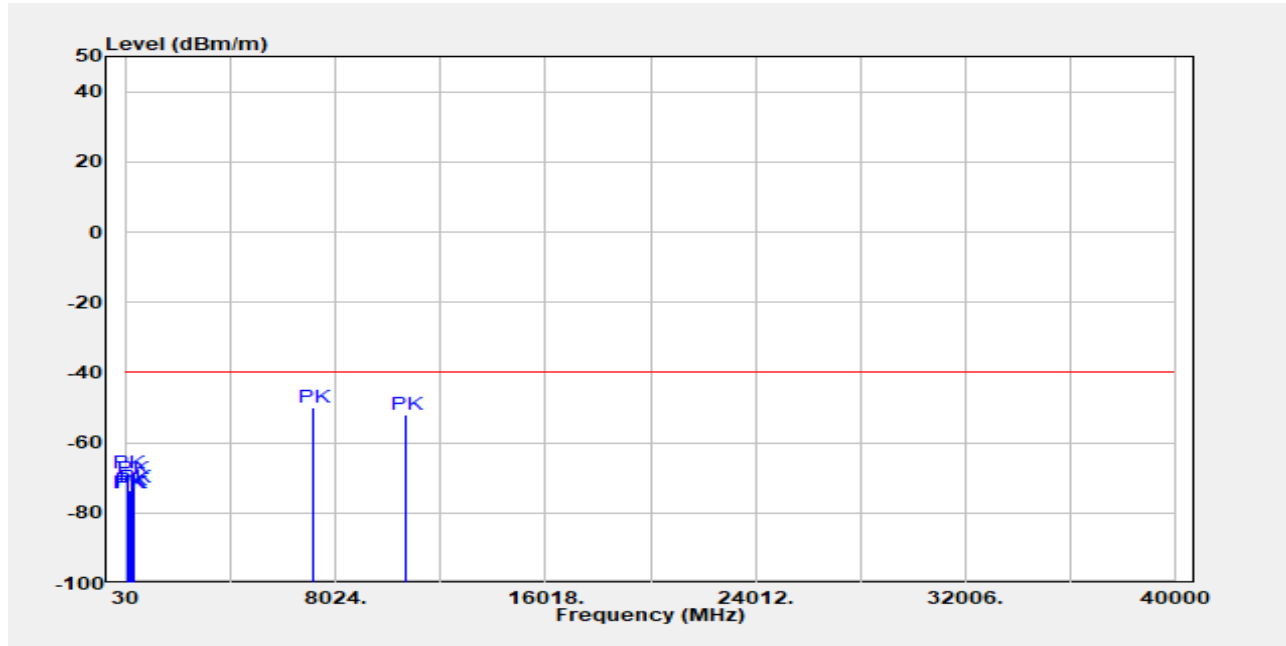
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
163.472	-69.73	-66.64	-0.75	-2.34	-40.00	-29.73
224.582	-69.44	-71.70	5.00	-2.74	-40.00	-29.44
275.410	-70.68	-71.32	3.67	-3.04	-40.00	-30.68
325.462	-61.49	-62.10	3.91	-3.30	-40.00	-21.49
375.514	-62.54	-63.05	4.05	-3.54	-40.00	-22.54
425.566	-67.57	-67.84	4.03	-3.76	-40.00	-27.57
7160.200	-50.63	-45.54	10.96	-16.05	-40.00	-10.63
10740.300	-52.81	-44.13	11.12	-19.80	-40.00	-12.81

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
 Operation Mode :ULCA 48C  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3569.9 MHz

Test Site :SAC 2  
 Test Date :2025-01-15  
 Temp./Humi. :24.0°C/54%  
 Antenna Pol. :Vertical  
 Engineer :Bob Chao



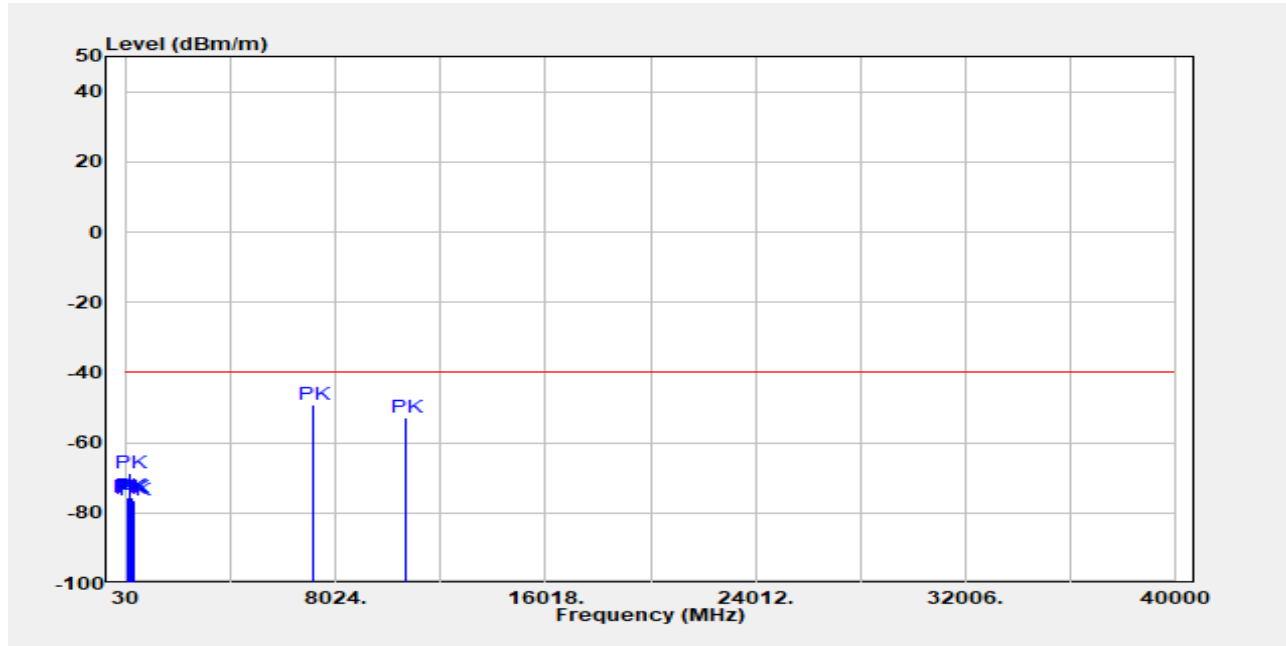
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
43.971	-68.52	-54.74	-12.56	-1.22	-40.00	-28.52
75.793	-74.57	-68.29	-4.69	-1.59	-40.00	-34.57
118.482	-74.37	-70.82	-1.55	-2.00	-40.00	-34.37
164.469	-73.45	-70.50	-0.60	-2.35	-40.00	-33.45
243.055	-70.17	-70.99	3.67	-2.85	-40.00	-30.17
298.356	-72.96	-73.62	3.81	-3.15	-40.00	-32.96
7139.800	-49.89	-44.90	11.04	-16.03	-40.00	-9.89
10709.700	-52.09	-43.51	11.18	-19.76	-40.00	-12.09

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
 Operation Mode :ULCA 48C  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3569.9 MHz

Test Site :SAC 2  
 Test Date :2025-01-15  
 Temp./Humi. :24.0°C/54%  
 Antenna Pol. :Horizontal  
 Engineer :Bob Chao



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
43.971	-75.76	-61.99	-12.56	-1.22	-40.00	-35.76
117.123	-75.05	-71.50	-1.56	-1.98	-40.00	-35.05
135.557	-75.97	-72.07	-1.78	-2.13	-40.00	-35.97
166.409	-68.65	-65.79	-0.50	-2.36	-40.00	-28.65
243.831	-75.77	-76.59	3.66	-2.85	-40.00	-35.77
298.356	-76.32	-76.97	3.81	-3.15	-40.00	-36.32
7139.800	-49.29	-44.30	11.04	-16.03	-40.00	-9.29
10709.700	-52.72	-44.14	11.18	-19.76	-40.00	-12.72

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

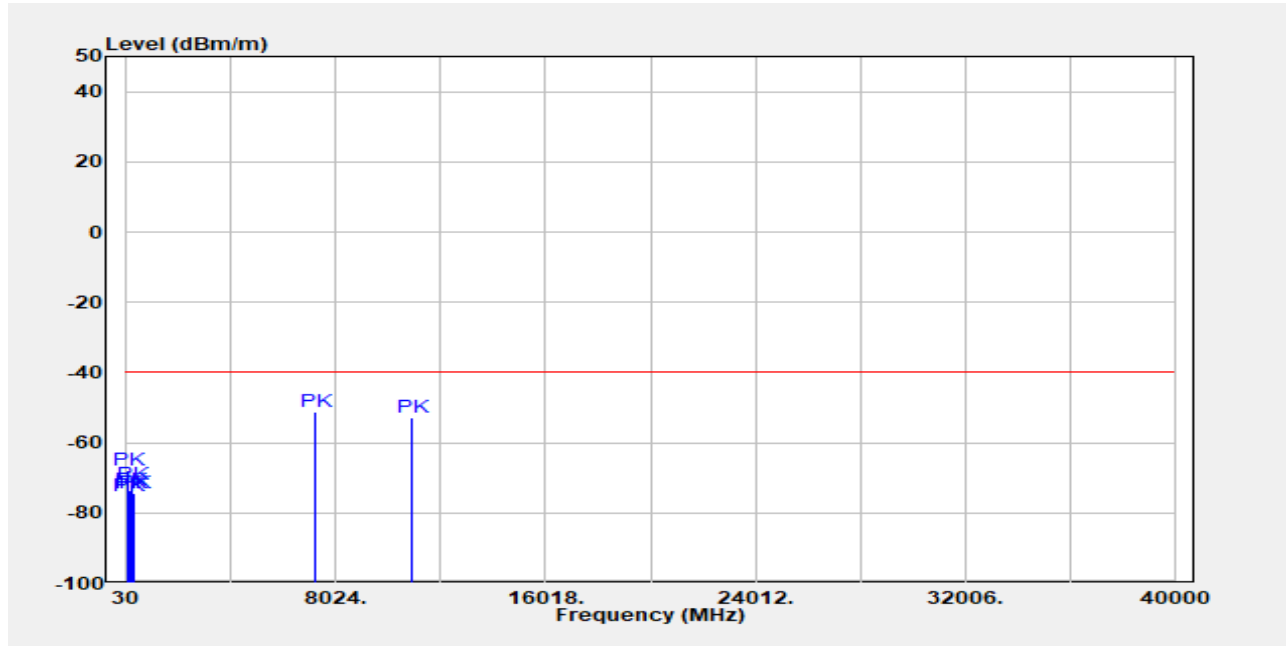
f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

Report Number :TERF2412003866ER  
 Operation Mode :ULCA 48C  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3625 MHz

Test Site :SAC 2  
 Test Date :2025-01-15  
 Temp./Humi. :24.0°C/54%  
 Antenna Pol. :Vertical  
 Engineer :Bob Chao



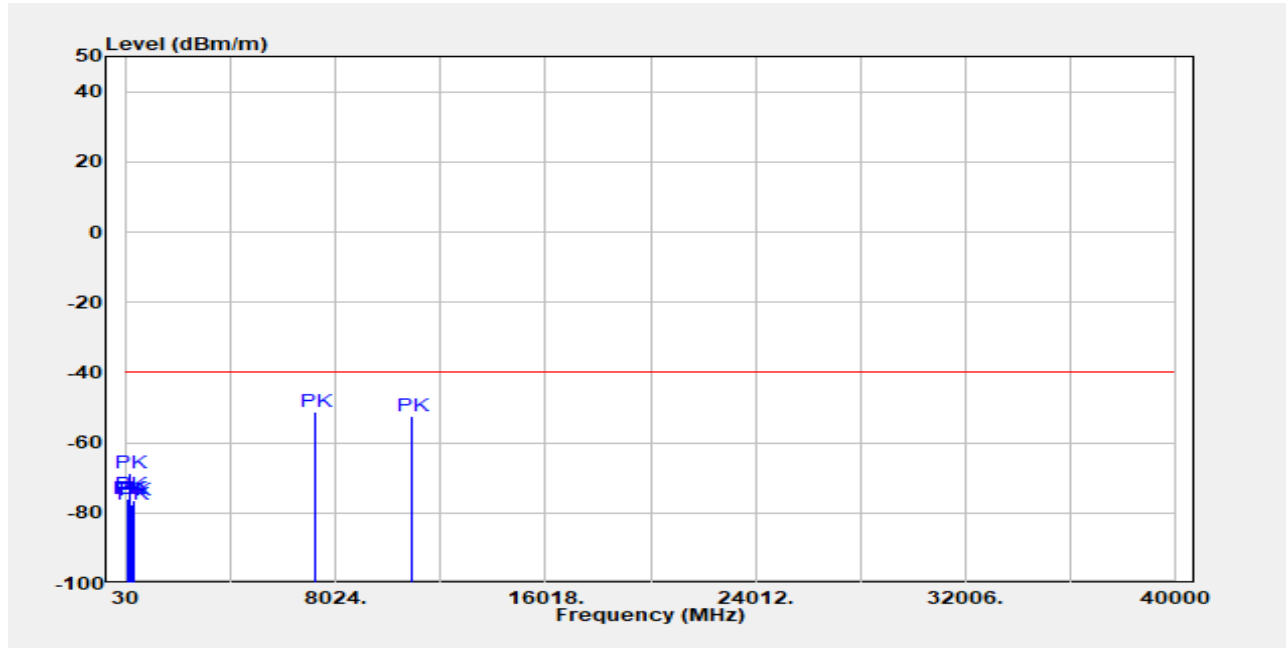
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
44.359	-68.00	-54.22	-12.55	-1.22	-40.00	-28.00
75.017	-75.06	-68.47	-5.01	-1.59	-40.00	-35.06
115.571	-74.21	-70.77	-1.46	-1.97	-40.00	-34.21
171.066	-73.62	-71.18	-0.05	-2.40	-40.00	-33.62
246.935	-71.95	-72.73	3.65	-2.87	-40.00	-31.95
298.356	-74.23	-74.89	3.81	-3.15	-40.00	-34.23
7250.000	-51.18	-45.83	10.80	-16.15	-40.00	-11.18
10875.000	-52.99	-43.85	10.80	-19.94	-40.00	-12.99

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
 Operation Mode :ULCA 48C  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3625 MHz

Test Site :SAC 2  
 Test Date :2025-01-15  
 Temp./Humi. :24.0°C/54%  
 Antenna Pol. :Horizontal  
 Engineer :Bob Chao



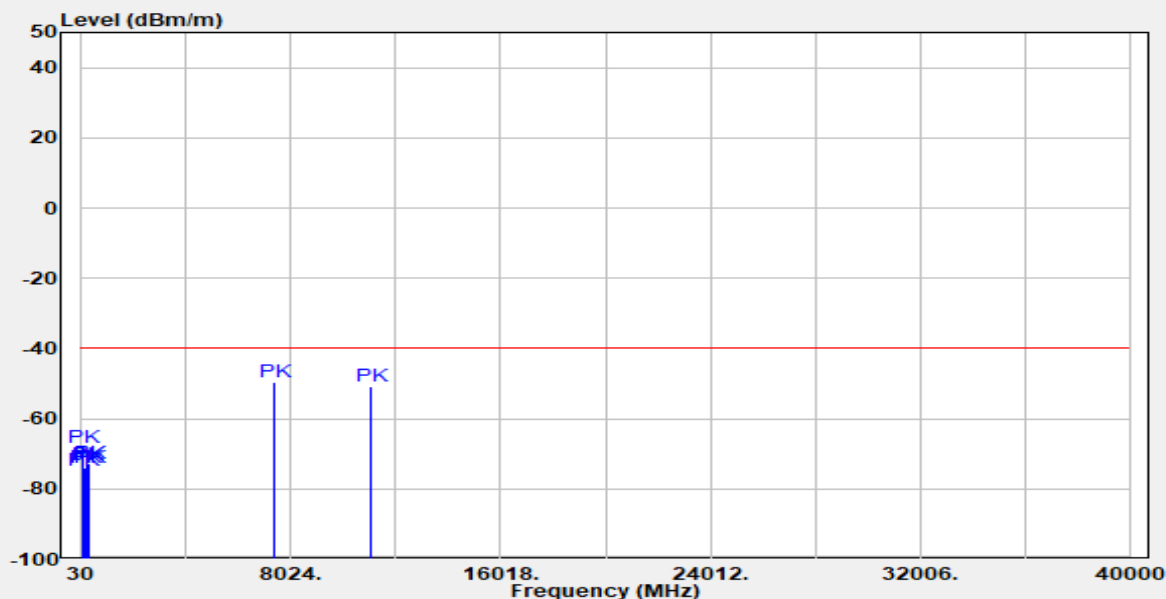
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
38.150	-76.13	-61.59	-13.42	-1.13	-40.00	-36.13
117.706	-74.62	-71.06	-1.57	-1.99	-40.00	-34.62
135.557	-76.04	-72.13	-1.78	-2.13	-40.00	-36.04
164.857	-68.72	-65.87	-0.51	-2.35	-40.00	-28.72
241.890	-77.54	-78.37	3.67	-2.84	-40.00	-37.54
298.356	-76.47	-77.13	3.81	-3.15	-40.00	-36.47
7250.000	-51.11	-45.76	10.80	-16.15	-40.00	-11.11
10875.000	-52.32	-43.19	10.80	-19.94	-40.00	-12.32

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
 Operation Mode :ULCA 48C  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3680.1 MHz

Test Site :SAC 2  
 Test Date :2025-01-15  
 Temp./Humi. :24.0°C/54%  
 Antenna Pol. :Vertical  
 Engineer :Bob Chao



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
44.553	-68.33	-54.55	-12.56	-1.22	-40.00	-28.33
74.629	-74.62	-67.97	-5.06	-1.58	-40.00	-34.62
165.439	-73.87	-71.02	-0.49	-2.35	-40.00	-33.87
244.025	-72.99	-73.80	3.66	-2.85	-40.00	-32.99
271.190	-72.86	-73.63	3.78	-3.02	-40.00	-32.86
298.356	-74.14	-74.79	3.81	-3.15	-40.00	-34.14
7360.200	-49.69	-44.21	10.82	-16.29	-40.00	-9.69
11040.300	-50.87	-41.74	10.94	-20.07	-40.00	-10.87

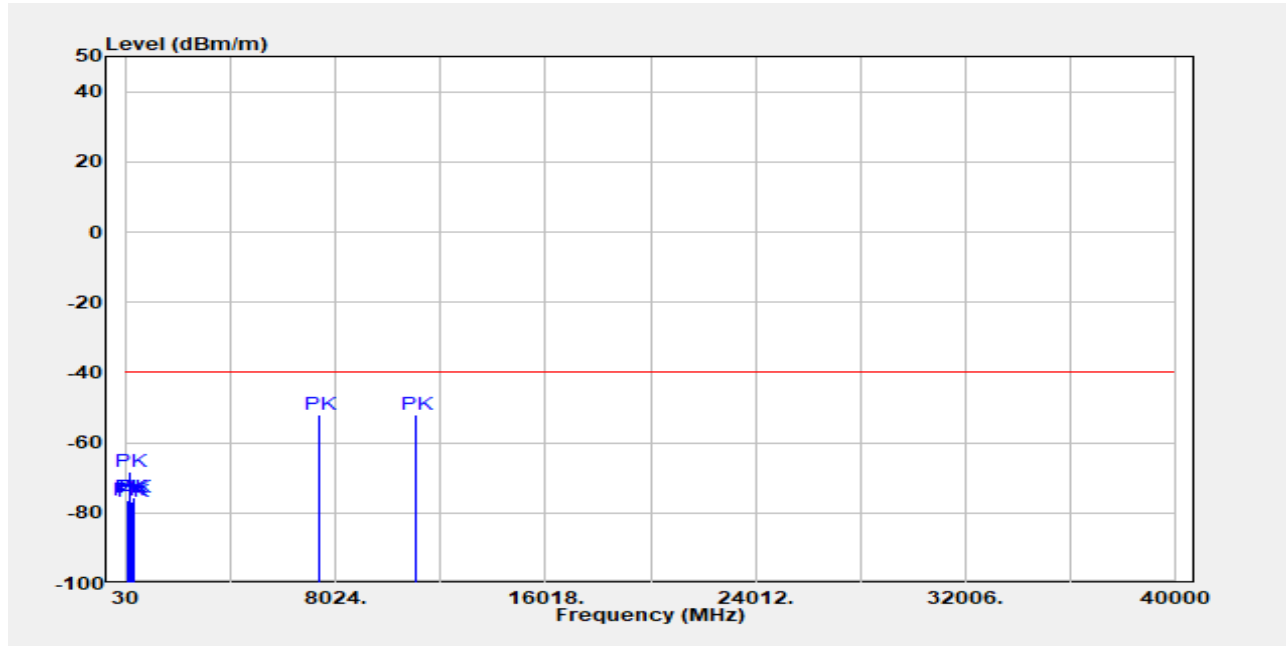
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
 Operation Mode :ULCA 48C  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3680.1 MHz

Test Site :SAC 2  
 Test Date :2025-01-15  
 Temp./Humi. :24.0°C/54%  
 Antenna Pol. :Horizontal  
 Engineer :Bob Chao



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
43.777	-76.33	-62.48	-12.64	-1.21	-40.00	-36.33
115.959	-75.53	-72.12	-1.43	-1.97	-40.00	-35.53
135.557	-75.72	-71.81	-1.78	-2.13	-40.00	-35.72
166.021	-68.44	-65.57	-0.52	-2.36	-40.00	-28.44
231.024	-77.03	-78.81	4.56	-2.78	-40.00	-37.03
298.356	-75.70	-76.36	3.81	-3.15	-40.00	-35.70
7360.200	-51.99	-46.51	10.82	-16.29	-40.00	-11.99
11040.300	-52.09	-42.97	10.94	-20.07	-40.00	-12.09

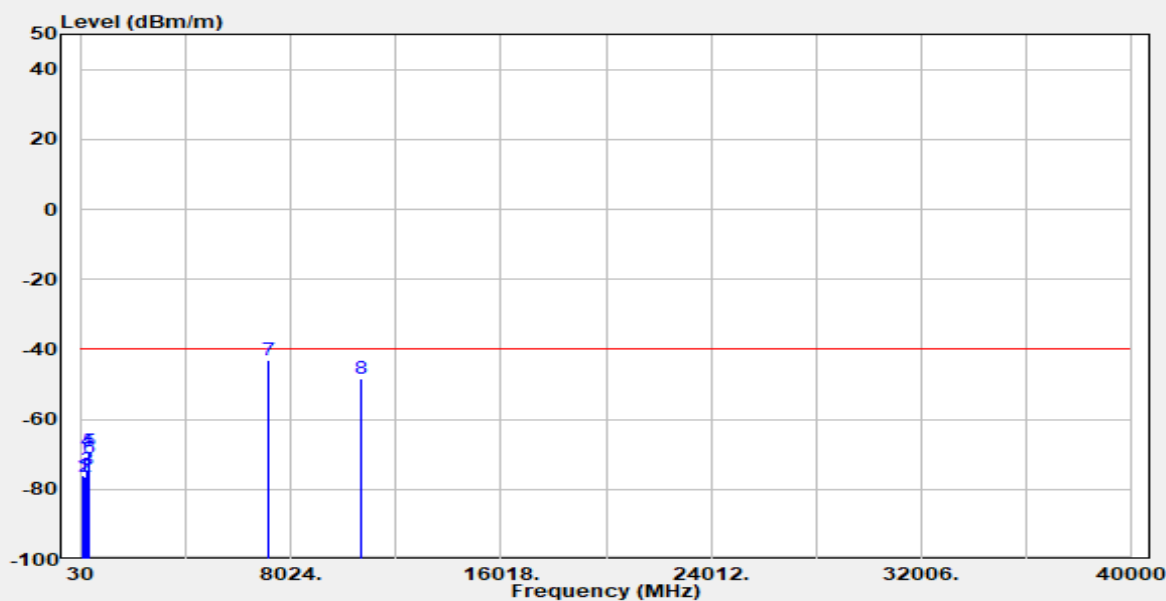
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.  
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

## Mode: 5GNR

Report Number :TERF2412003866ER  
Operation Mode :NR\_n48  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :3557.52 MHz

Test Site :SAC 3  
Test Date :2025-01-07  
Temp./Humi. :20.7°C/54%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



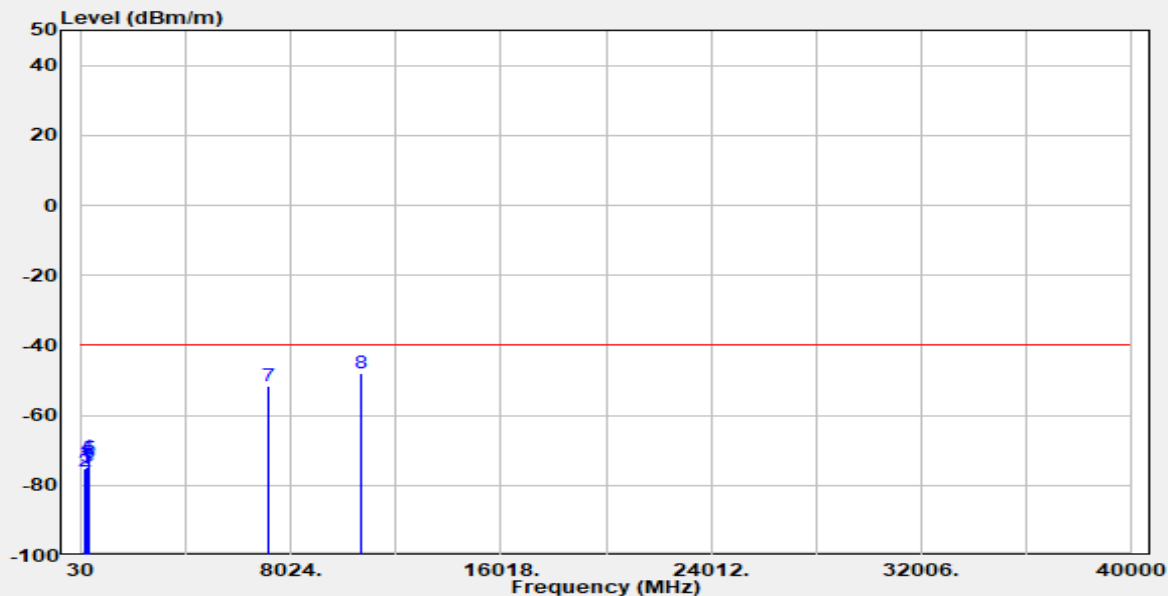
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
66.90	-76.02	-66.82	-7.70	-1.50	-40.00	-36.02
135.84	-76.24	-72.35	-1.76	-2.13	-40.00	-36.24
245.56	-74.52	-75.31	3.66	-2.86	-40.00	-34.52
270.80	-69.18	-69.96	3.79	-3.01	-40.00	-29.18
297.99	-69.26	-69.92	3.80	-3.15	-40.00	-29.26
325.18	-71.25	-71.87	3.92	-3.30	-40.00	-31.25
7115.04	-43.09	-38.06	10.97	-16.01	-40.00	-3.09
10672.56	-48.51	-40.24	11.45	-19.71	-40.00	-8.51

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
 Operation Mode :NR\_n48  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3557.52 MHz

Test Site :SAC 3  
 Test Date :2025-01-07  
 Temp./Humi. :20.7°C/54%  
 Antenna Pol. :Horizontal  
 Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
135.84	-75.06	-71.17	-1.76	-2.13	-40.00	-35.06
163.99	-75.86	-72.80	-0.72	-2.34	-40.00	-35.86
229.05	-74.80	-76.81	4.77	-2.76	-40.00	-34.80
270.80	-71.85	-72.62	3.79	-3.01	-40.00	-31.85
297.99	-72.31	-72.96	3.80	-3.15	-40.00	-32.31
325.18	-73.37	-74.00	3.92	-3.30	-40.00	-33.37
7115.04	-51.57	-46.53	10.97	-16.01	-40.00	-11.57
10672.56	-48.07	-39.81	11.45	-19.71	-40.00	-8.07

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

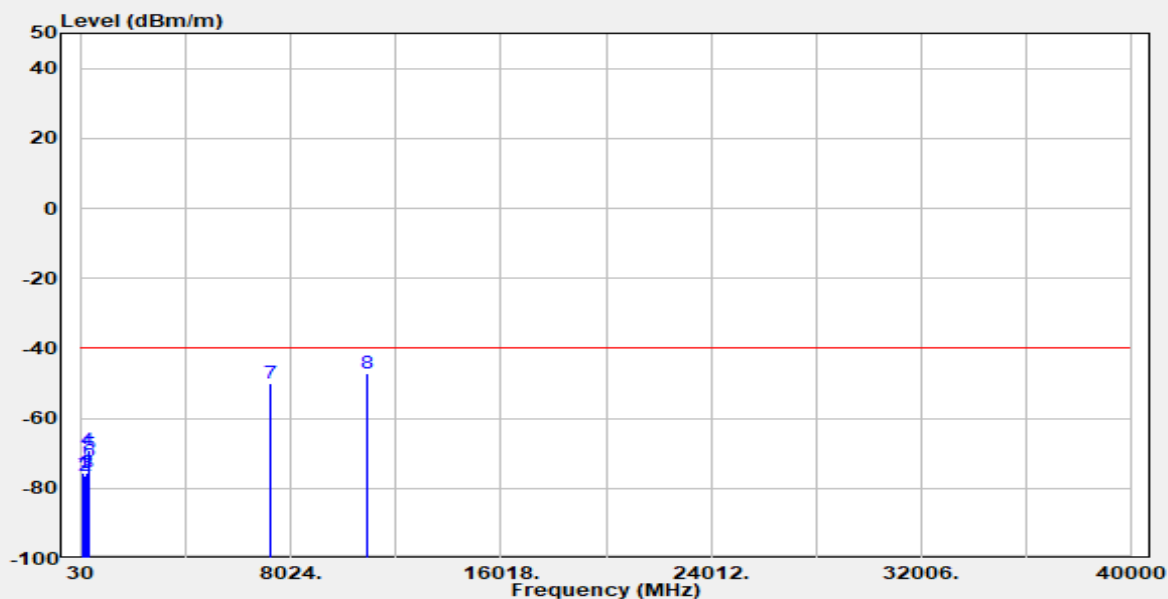
f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

Report Number :TERF2412003866ER  
 Operation Mode :NR\_n48  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3624.99 MHz

Test Site :SAC 3  
 Test Date :2025-01-07  
 Temp./Humi. :20.7°C/54%  
 Antenna Pol. :Vertical  
 Engineer :Nick Lin



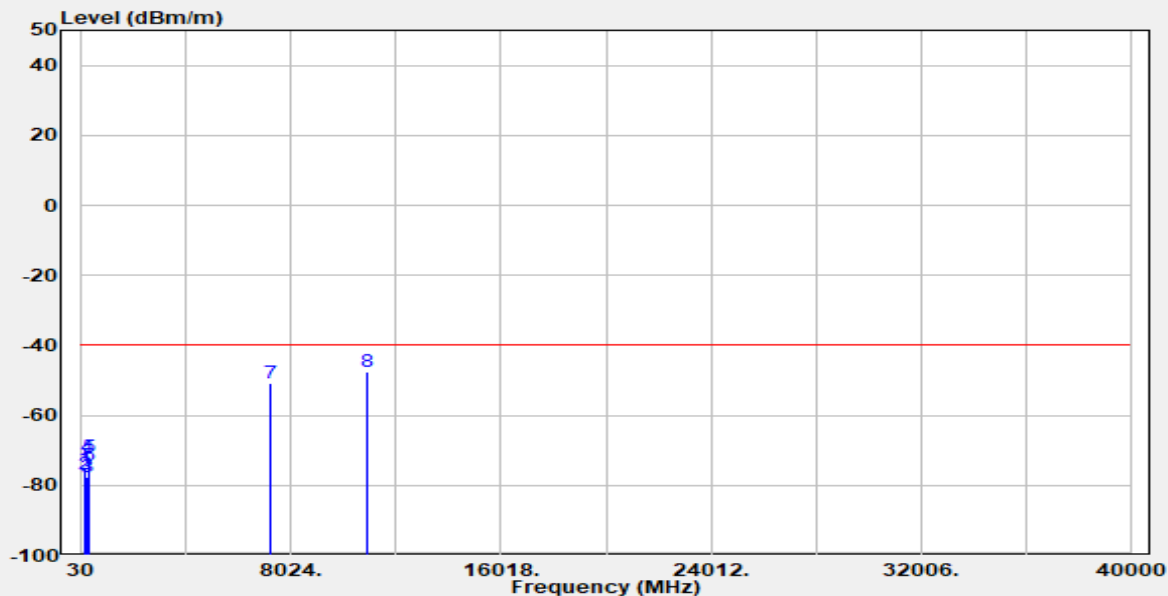
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
67.87	-75.73	-66.63	-7.59	-1.51	-40.00	-35.73
135.84	-76.38	-72.49	-1.76	-2.13	-40.00	-36.38
245.56	-75.46	-76.26	3.66	-2.86	-40.00	-35.46
270.80	-69.18	-69.96	3.79	-3.01	-40.00	-29.18
297.99	-70.21	-70.86	3.80	-3.15	-40.00	-30.21
325.18	-72.32	-72.95	3.92	-3.30	-40.00	-32.32
7249.98	-50.05	-44.70	10.80	-16.15	-40.00	-10.05
10874.97	-46.99	-38.21	11.15	-19.93	-40.00	-6.99

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
 Operation Mode :NR\_n48  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3624.99 MHz

Test Site :SAC 3  
 Test Date :2025-01-07  
 Temp./Humi. :20.7°C/54%  
 Antenna Pol. :Horizontal  
 Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
135.84	-75.24	-71.35	-1.76	-2.13	-40.00	-35.24
150.40	-76.96	-73.04	-1.68	-2.24	-40.00	-36.96
252.35	-77.51	-78.28	3.67	-2.91	-40.00	-37.51
270.80	-71.88	-72.65	3.79	-3.01	-40.00	-31.88
297.99	-72.14	-72.79	3.80	-3.15	-40.00	-32.14
325.18	-74.56	-75.18	3.92	-3.30	-40.00	-34.56
7249.98	-50.87	-45.52	10.80	-16.15	-40.00	-10.87
10874.97	-47.43	-38.65	11.15	-19.93	-40.00	-7.43

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

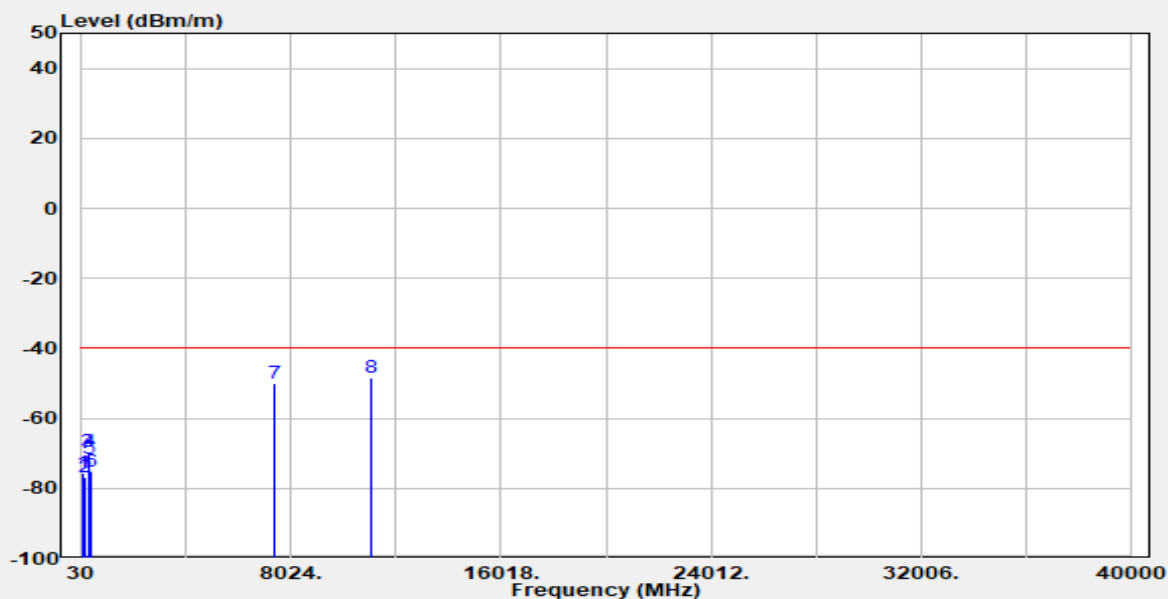
f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

Report Number :TERF2412003866ER  
 Operation Mode :NR\_n48  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3692.49 MHz

Test Site :SAC 3  
 Test Date :2025-01-07  
 Temp./Humi. :20.7°C/54%  
 Antenna Pol. :Vertical  
 Engineer :Nick Lin



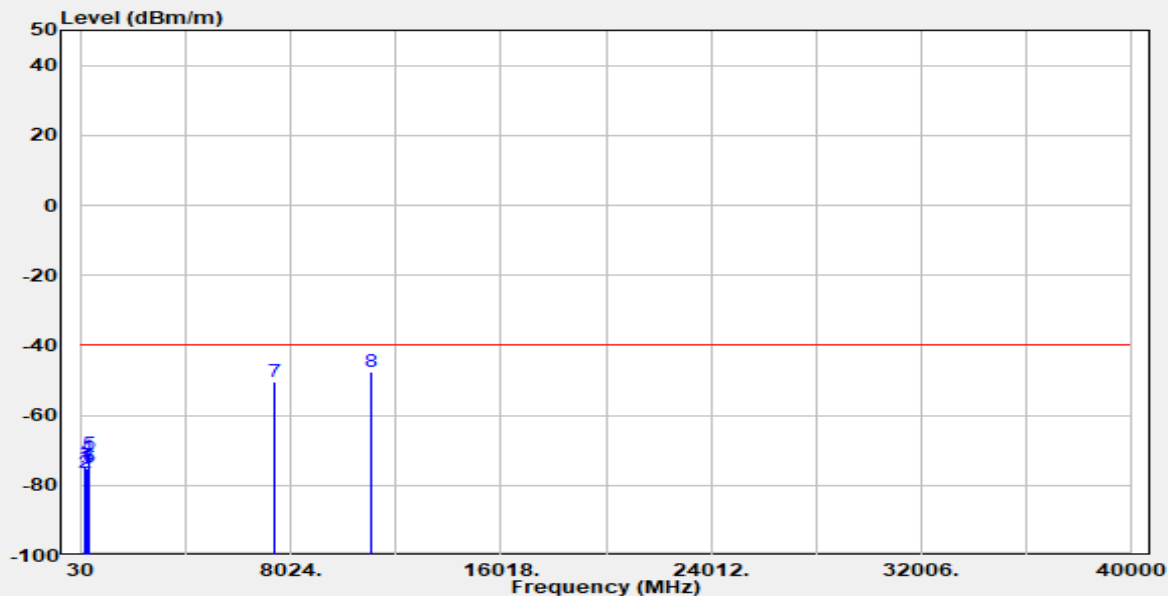
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
67.87	-75.66	-66.57	-7.59	-1.51	-40.00	-35.66
135.84	-76.81	-72.92	-1.76	-2.13	-40.00	-36.81
270.80	-69.34	-70.11	3.79	-3.01	-40.00	-29.34
297.99	-69.47	-70.12	3.80	-3.15	-40.00	-29.47
325.18	-71.34	-71.97	3.92	-3.30	-40.00	-31.34
352.36	-75.38	-76.18	4.22	-3.42	-40.00	-35.38
7384.98	-50.19	-44.76	10.90	-16.32	-40.00	-10.19
11077.47	-48.31	-39.51	11.31	-20.12	-40.00	-8.31

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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.

Report Number :TERF2412003866ER  
 Operation Mode :NR\_n48  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :3692.49 MHz

Test Site :SAC 3  
 Test Date :2025-01-07  
 Temp./Humi. :20.7°C/54%  
 Antenna Pol. :Horizontal  
 Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
135.84	-74.93	-71.04	-1.76	-2.13	-40.00	-34.93
151.37	-76.24	-72.38	-1.62	-2.25	-40.00	-36.24
228.08	-75.14	-77.21	4.83	-2.76	-40.00	-35.14
270.80	-71.90	-72.67	3.79	-3.01	-40.00	-31.90
297.99	-71.13	-71.78	3.80	-3.15	-40.00	-31.13
325.18	-74.62	-75.24	3.92	-3.30	-40.00	-34.62
7384.98	-50.56	-45.14	10.90	-16.32	-40.00	-10.56
11077.47	-47.40	-38.60	11.31	-20.12	-40.00	-7.40

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

## 9 PHOTOGRAPHS OF SET UP

Please refer to the attached file (Setup Photo)

## 10 PHOTOGRAPHS OF EUT

Please refer to the attached file(EUT Photo)

*~ End of Report ~*

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，此報告結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 <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. 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,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group