

Report No.: TEOT2302000057E4 Page No.: 1 of 18

	<u>Antenna Test Report</u>
	Report No.: TEOT2302000057E4
	Applicant Name: Sony Corporation
	Manufacturer Name: Sony Corporation
Product I	Name: GSM/WCDMA/LTE Phone with BT, DTS/UNII
	A/B/G/N/AC/AX, GPS, WPT & NFC
	FCC ID: PY7-83376C
	Measurements performed at
	SGS Taiwan Ltd.
	Hwaya District, Taiwan

Issued Date: February 08, 2023

	Name	Date & Signature	Distribution
Prepared by:			
	Nandi Chen	41 1 1	
Δ.	а Б і	Nandi Chen February 08, 2023	
	Sr. Engineer	February 08, 2023	
Approved by:		10010001 000, 2020	
Approved by.	Shawn Yen	Shawn Yen	
	Supervisor	February 08, 2023	

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at 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 and for electronic format 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 text of the law. SGS Taiwan Ltd.

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan t (886-2) 2299-3279 f (886-2) 2298-0488

```
www.sgs.com.tw
```



Measurement System Information

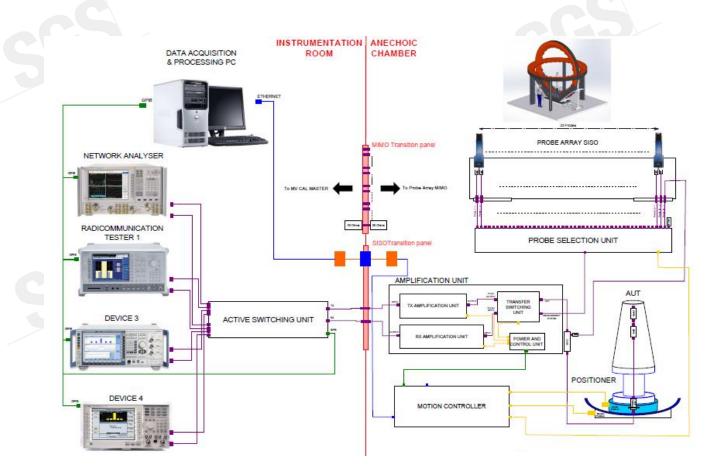
General Information

Testing Condition:

- Temperature: 22±3°C
- Humidity: <80%

Measurement Facility:

- Measurement Chamber: MVG 3D fully anechoic chamber and its measuring system (Stargate-24-L)
- Base Station Simulator: Anritsu MT8820C (or R&S CMU200)
- Network Analyzer: Agilent E5071C

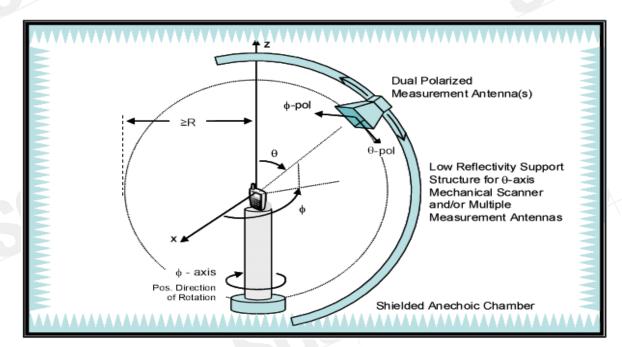


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. 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 t (886-2) 2299-3279 f (886-2) 2298-0488 www.sgs.com.tw



Measurements are performed in a MVG Stargate-24-L with the StarAct interface for a base station simulator. The Stargate-24-L has 23 probe antennas mounted with equal spacing on a circular arch. Electronic switching of the probe antennas provides outstanding measurement speed. The geometry of the setup, with only a Styrofoam column within 1.6 meters of the EUT, ensures minimum interference and low ripple on the measured radiation patterns. The DUT is placed on top of the pedestal, in the center of the system.



Typical Setup for MVG Stargate-24-L:

Instruments View

SGS Taiwan Ltd.



Inside View



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. 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.

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan t (886-2) 2299-3279 f (886-2) 2298-0488

www.sgs.com.tw



Testing Laboratory: Identification of the Responsible Test Laboratory.

OTA Laboratory: SGS Taiwan Ltd. Wireless Laboratory No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803. Telephone: +886 2 2299 3279 Fax: +886 2 2298 0488 Internet: http://www.tw.sgs.com

Testing Location:

No. 2, Keji 1st Rd., Hwaya Technology Park, Guishan District, Taoyuan City, Taiwan 33383.

Details of Applicant:

Applicant's name:	Sony Corporation
Applicant's address:	1-7-1 Konan Minato-ku, Tokyo, 108-0075, Japan

Details of Manufacturer:

Applicant's name:	Sony Corporation
Applicant's address:	1-7-1 Konan Minato-ku, Tokyo, 108-0075, Japan

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. 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 t (886-2) 2299-3279 f (886-2) 2298-0488

www.sqs.com.tw



Details of EUT:				
Device Description:	GSM/WCDMA/LTE Phone with BT, DTS/UNII			
	A/B/G/N/AC/AX, GPS, WPT & NFC			
Device Manufacturer:	Sony Corporation			
Device Model:	PY7-83376C			

Device Model:	PY7-83376C	
Frequency Range:	2402MHz ~ 5850MHz	
Antenna Type:	Internal	

Duration of Tests:		
Sample Receive Date:	2022-12-30	/
Test Starting Date:	2022-12-30	
Test Ending Date:	2023-01-07	
Report Issued Date:	2023-02-08	

List of Equipment

Equipment Summary Sheet

Equipment Description	Manufacturer	Identification no.	S/N	Current calibration date	Next calibration date
Network Analyzer	Agilent	E5071C	MY46100433	2022/01/12	2023/01/11
Sleeve Dipole	MVG	SD740	SD740-07	2022/01/07	2025/01/06
Dual Ridge Horn	MVG	SH800	S0051	2022/11/25	2023/11/24
Stargate-24-L probe array	MVG	Stargate-24-L	MVG	2022/08/26	2023/08/25
Measurement software	MVG	SPM V1.9	N/A	N/A	N/A



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at 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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format defined therein. Any holder of this 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 here therein the end to be company and the server therein of the transaction documents. This document cannot here therein the end to be company and there to be company. be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan www.sgs.com.tw f (886-2) 2298-0488

t (886-2) 2299-3279

SGS Taiwan Ltd.





Test Results

WiFi Main Antenna Antenna Gain and Efficiency

Freq(MHz)	Peak Gain (dBi)	Efficiency
2402	-1.86	18.91%
2441	-0.43	24.57%
2480	-0.77	23.48%
5240	-0.45	13.32%
5600	0.37	22.09%
5800	0.00	24.19%

Maximum Gain

- 2402 MHz 2480 MHz: -0.43 dBi
- 5180 MHz 5320 MHz: -0.29 dBi
- 5500 MHz 5720 MHz: 0.53 dBi
- 5725 MHz 5850 MHz: 0.38 dBi



Freq(MHz)	Peak Gain (dBi)	Efficiency
2402	-4.55	10.26%
2441	-4.44	10.45%
2480	-5.15	9.11%
5240	-0.57	16.58%
5600	-2.42	10.00%
5800	-3.92	7.14%

Maximum Gain

- 2402 MHz 2480 MHz: -4.44 dBi
- 5180 MHz 5320 MHz: 0.61 dBi
- 5500 MHz 5720 MHz: -0.43 dBi
- 5725 MHz 5850 MHz: -3.72 dBi

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. 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.

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan t (886-2) 2299-3279 f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group







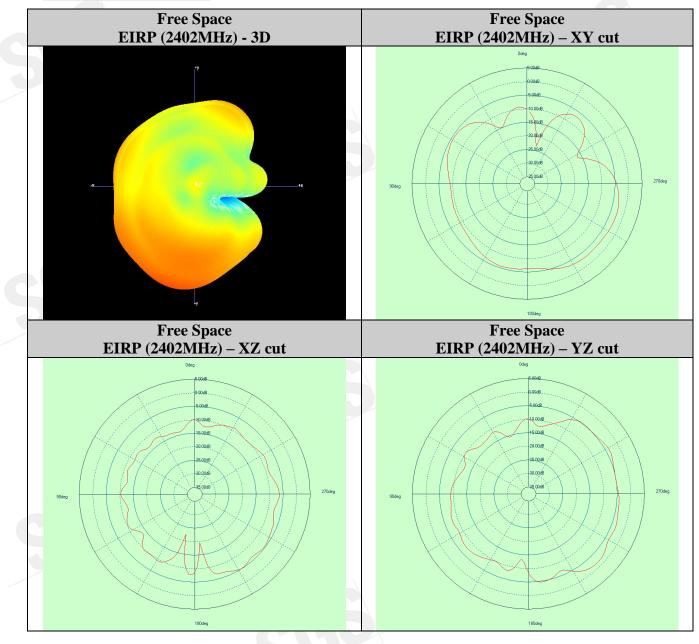
SGS Taiwan Ltd.



Antenna 3D Plot Matrix

All plots in this section show the total EIRP (EIRP θ + EIRP ϕ) with the +x-axis pointing right, +yaxis pointing up, and +z-axis pointing out of the page.

WiFi Main Antenna



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

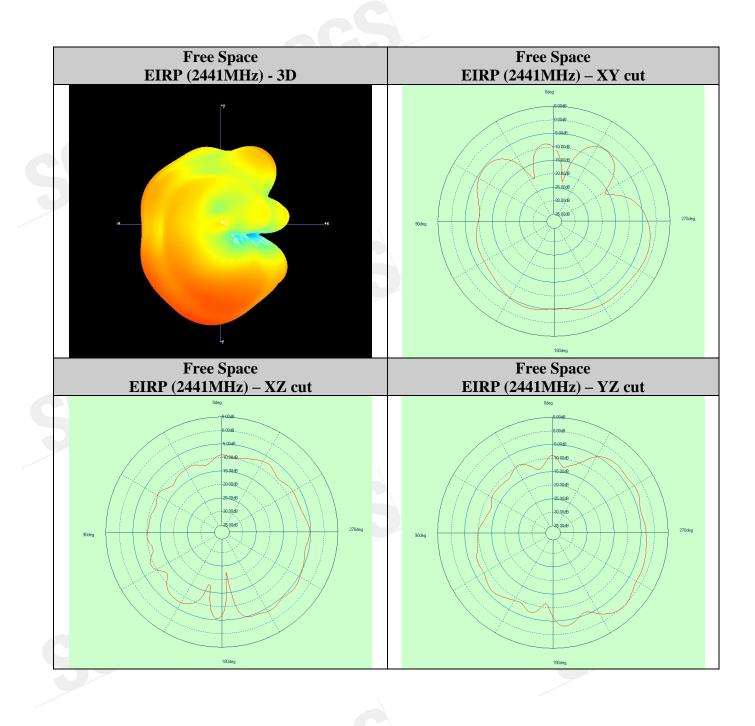
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. 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 t (886-2) 2299-3279 f (886-2) 2298-0488

www.sgs.com.tw



Report No.: TEOT2302000057E4 Page No.: 8 of 18

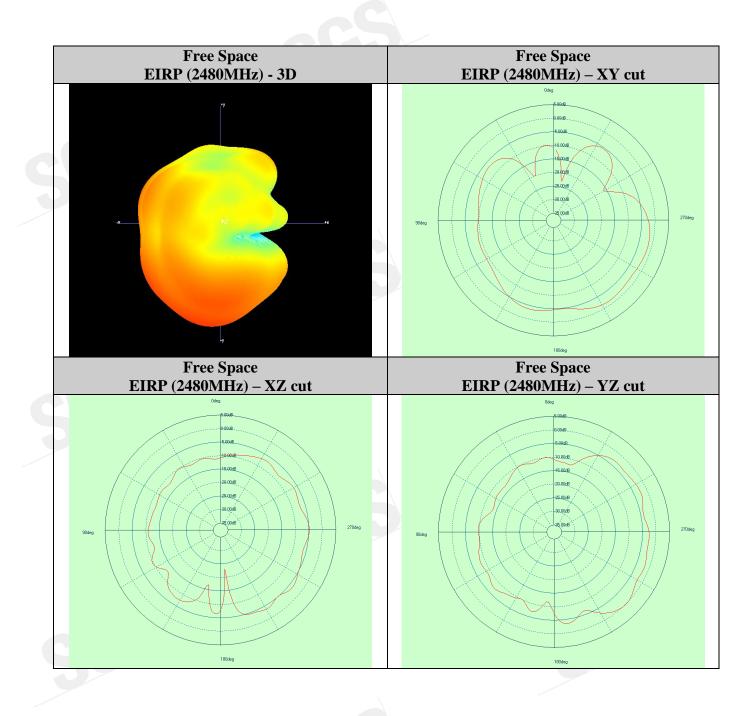


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format doefined 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 hold the company for the transaction forme exercising all their rights and obligations under the transaction documents. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction documents. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction document. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction forme exercising all their rights and obligations of the company. 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 t (886-2) 2299-3279 f (886-2) 2298-0488 www.sgs.com.tw



Report No.: TEOT2302000057E4 Page No.: 9 of 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. 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 and for electronic format doefined 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 hold the company for the transaction forme exercising all their rights and obligations under the transaction documents. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction documents. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction document. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction forme exercising all their rights and obligations of the company. 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.

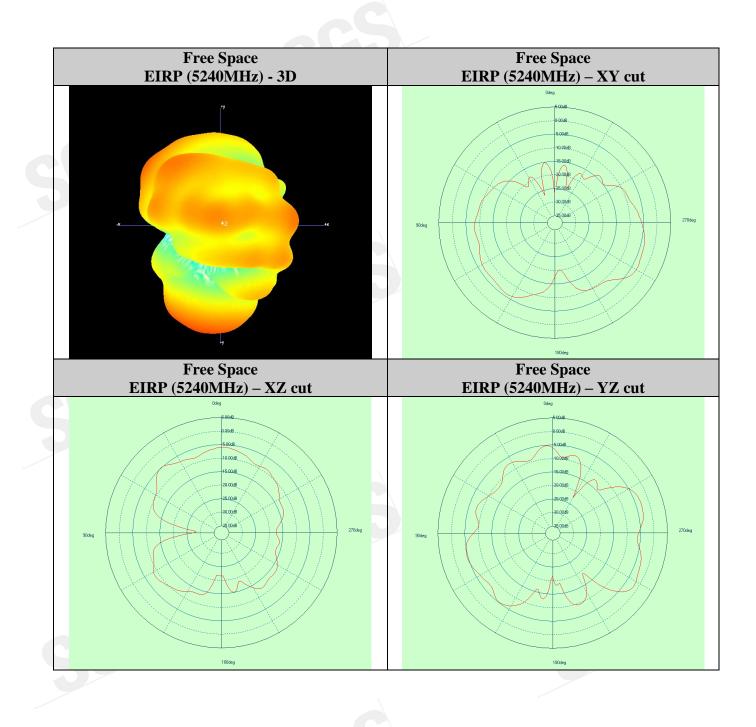
SGS Taiwan Ltd.

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan t (886-2) 2299-3279 f (886-2) 2298-0488

www.sgs.com.tw



Report No.: TEOT2302000057E4 Page No.: 10 of 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. 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 and for electronic format doefined 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 hold the company for the transaction forme exercising all their rights and obligations under the transaction documents. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction documents. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction document. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction forme exercising all their rights and obligations of the company. be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan www.sgs.com.tw

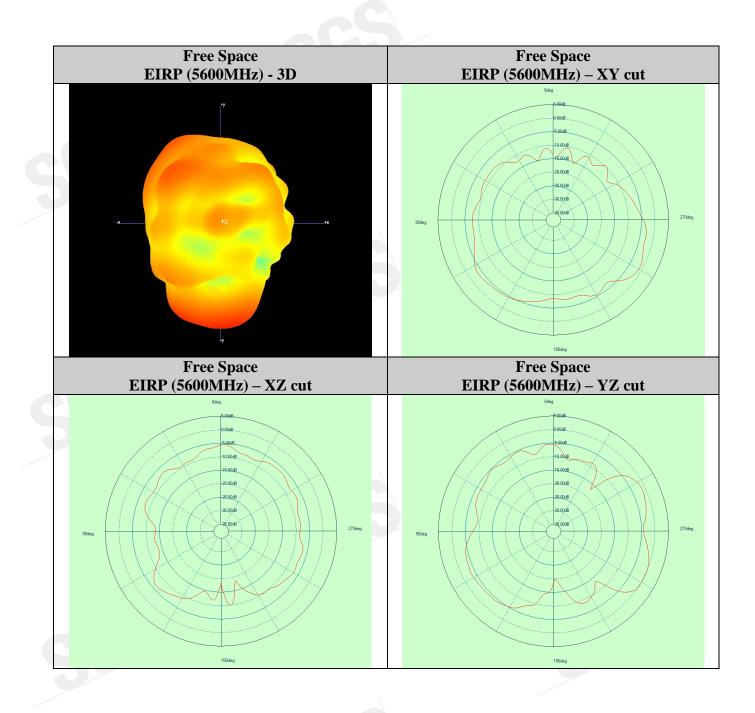
t (886-2) 2299-3279

SGS Taiwan Ltd.

f (886-2) 2298-0488



Report No.: TEOT2302000057E4 Page No.: 11 of 18



SGS Taiwan Ltd.

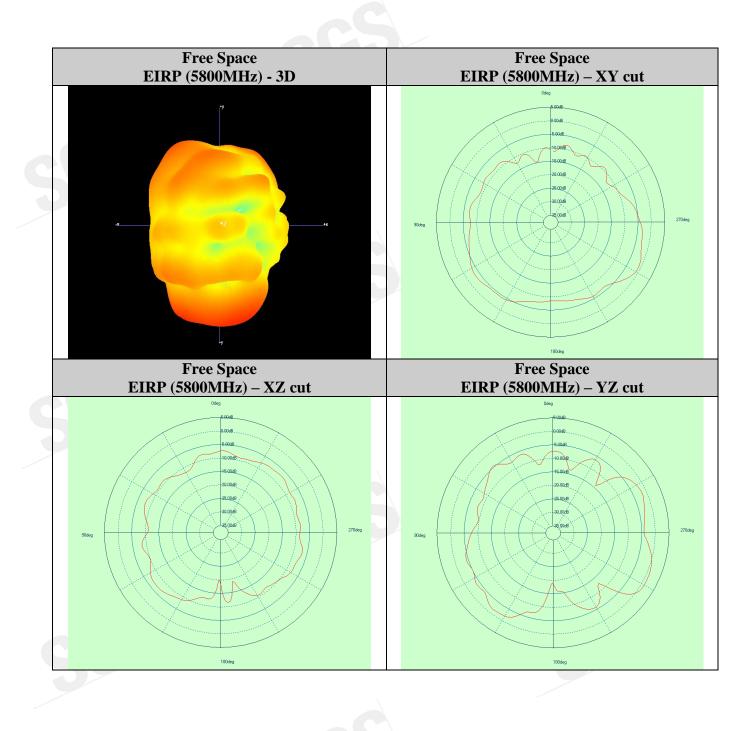
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format doefined 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 hold the company for the transaction forme exercising all their rights and obligations under the transaction documents. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction documents. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction document. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction forme exercising all their rights and obligations of the company. be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan t (886-2) 2299-3279 f (886-2) 2298-0488

www.sgs.com.tw



Report No.: TEOT2302000057E4 Page No.: 12 of 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. 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 and for electronic format doefined 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 hold the company for the transaction forme exercising all their rights and obligations under the transaction documents. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction documents. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction document. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction forme exercising all their rights and obligations of the company. be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan www.sgs.com.tw

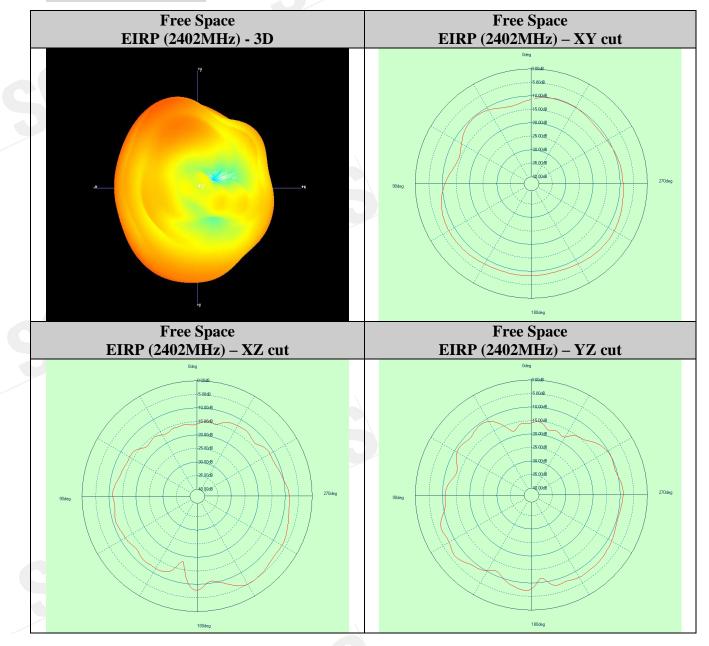
t (886-2) 2299-3279

SGS Taiwan Ltd.



WiFi Sub Antenna

SGS Taiwan Ltd.



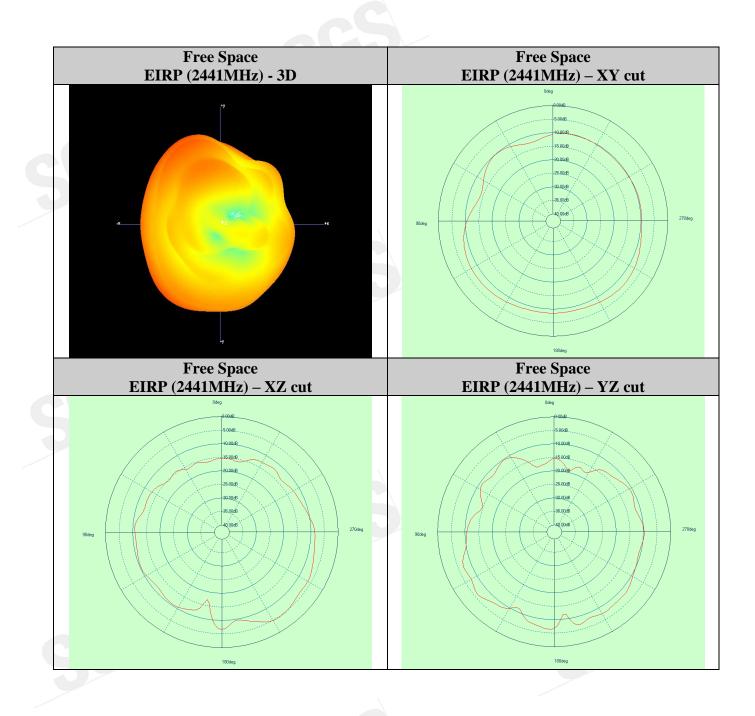
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format doefined 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 hold the company for the transaction forme exercising all their rights and obligations under the transaction documents. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction documents. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction document. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction forme exercising all their rights and obligations of the company. be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan t (886-2) 2299-3279 f (886-2) 2298-0488

www.sgs.com.tw



Report No.: TEOT2302000057E4 Page No.: 14 of 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. 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 and for electronic format doefined 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 hold the company for the transaction forme exercising all their rights and obligations under the transaction documents. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction documents. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction document. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction forme exercising all their rights and obligations of the company.

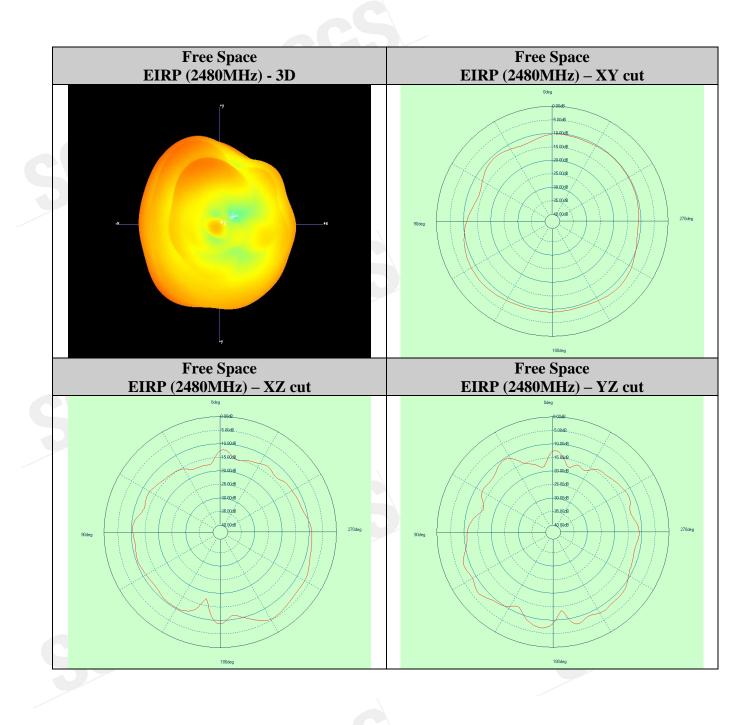
be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. SGS Taiwan Ltd.

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan t (886-2) 2299-3279 f (886-2) 2298-0488

```
www.sgs.com.tw
```



Report No.: TEOT2302000057E4 Page No.: 15 of 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. 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 and for electronic format doefined 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 hold the company for the transaction forme exercising all their rights and obligations under the transaction documents. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction documents. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction document. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction forme exercising all their rights and obligations of the company. be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

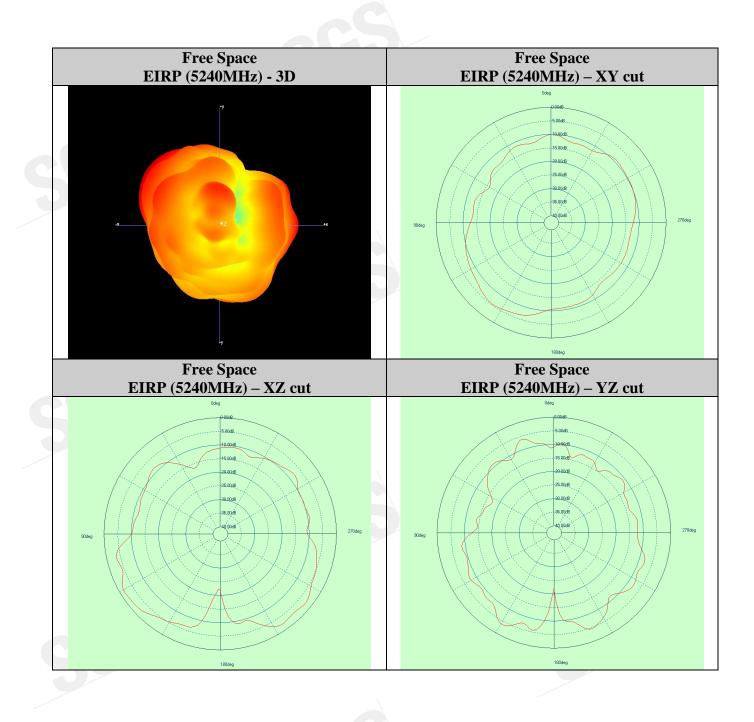
No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan f (886-2) 2298-0488 www.sgs.com.tw

t (886-2) 2299-3279

SGS Taiwan Ltd.



Report No.: TEOT2302000057E4 Page No.: 16 of 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. 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 and for electronic format doefined 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 hold the company for the transaction forme exercising all their rights and obligations under the transaction documents. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction documents. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction document. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction forme exercising all their rights and obligations of the company. be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

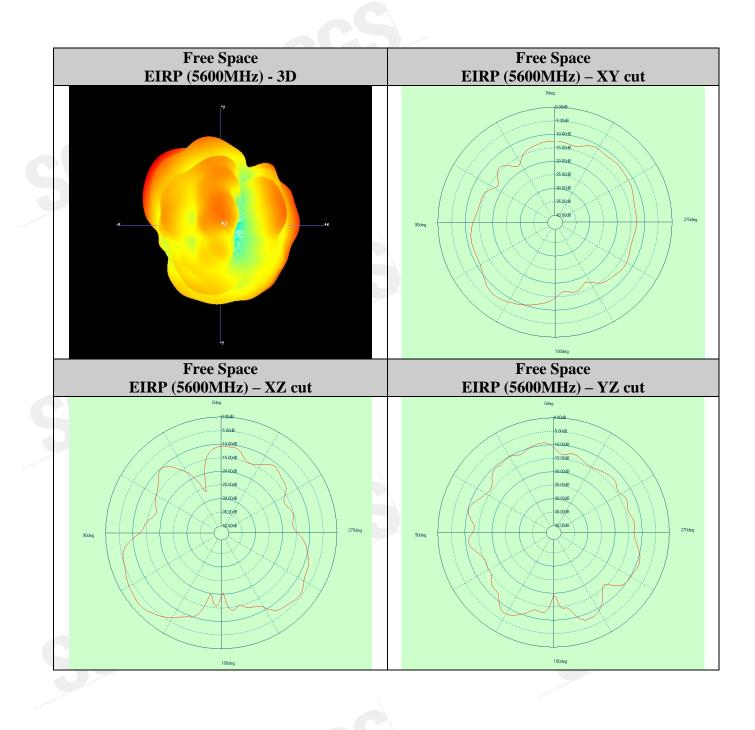
No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan t (886-2) 2299-3279 f (886-2) 2298-0488

SGS Taiwan Ltd.

www.sgs.com.tw



Report No.: TEOT2302000057E4 Page No.: 17 of 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. 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 and for electronic format doefined 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 hold the company for the transaction forme exercising all their rights and obligations under the transaction documents. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction documents. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction document. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction forme exercising all their rights and obligations of the company. be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

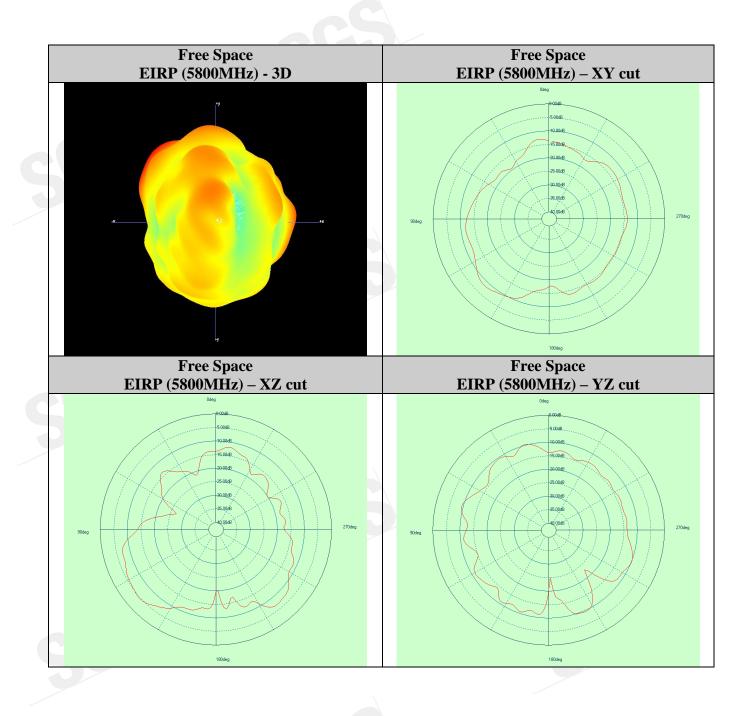
No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan t (886-2) 2299-3279 f (886-2) 2298-0488

SGS Taiwan Ltd.

```
www.sgs.com.tw
```



Report No.: TEOT2302000057E4 Page No.: 18 of 18



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. 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 and for electronic format doefined 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 hold the company for the transaction forme exercising all their rights and obligations under the transaction documents. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction documents. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction document. This document cannot hold the company for the transaction forme exercising all their rights and obligations under the transaction forme exercising all their rights and obligations of the company. be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan SGS Taiwan Ltd. f (886-2) 2298-0488 www.sgs.com.tw