

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

Applicant: HP Inc.
1501 Page Mill Road, Palo Alto CA 94304 USA

Product Name: Notebook Computer

Brand Name: HP

Model No.: HSN-I41C-4

Model Difference: N/A

Report Number: ER/2020/80160

FCC ID B94HNI41C4TKR

FCC Rule Part: 2, 22H & 24E & 27C & 90S

Issue Date: Oct. 28, 2020

Date of Test: Aug. 31, 2020 ~ Sep. 21, 2020

Date of EUT Received: Aug. 31, 2020

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 tested as described in this report is in compliance with conducted and radiated emission limits.

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

Approved By: _____



Jim Chang / Manager



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.

Revision History

Report Number	Revision	Description	Issue Date	Remark
ER/2020/80160	Rev.00	Original.	Oct. 28, 2020	Revised By: Violetta Tang

Note:

1、Disclaimer

Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.

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.

Contents

1	GENERAL PRODUCT INFORMATION.....	4
2	SYSTEM TEST CONFIGURATION.....	10
3	SUMMARY OF TEST RESULTS.....	12
4	DESCRIPTION OF TEST MODES.....	13
5	MEASUREMENT UNCERTAINTY	14
6	FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT	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.

1 GENERAL PRODUCT INFORMATION

1.1 Product Description

General:

Product Name:	Notebook Computer	
Brand Name:	HP	
Model No.:	HSN-I41C-4	
Model Difference:	N/A	
Hardware Version:	N/A	
Software Version:	N/A	
WWAN Module:	Model No.: T99W175, Supplier: HON LIN Technology Co., Ltd.	
Power Supply:	11.55Vdc from Rechargeable Li-ion Battery or 19.5V from AC/DC Adapter	
	Battery:	Model No.: HSTNN-LB8Q, Supplier: HP
	Adapter:	Model No.: TPN-DA16, Supplier: DELTA
IMEI:	WNC: 356081110011236 / HB: 356081110009362	

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.

1.2 Operation Frequency Range

Operating Frequency (MHz)	
WCDMA / HSPA+ Band II	1852.4 - 1907.6
WCDMA / HSPA+ Band IV	1712.4 - 1752.6
WCDMA / HSPA+ Band V	826.4 - 846.6

LTE Band 2				LTE Band 4			
BW (MHz)	Operation Frequency (MHz)			BW (MHz)	Operation Frequency (MHz)		
1.4	1850.7	-	1909.3	1.4	1710.7	-	1754.3
3	1851.5	-	1908.5	3	1711.5	-	1753.5
5	1852.5	-	1907.5	5	1712.5	-	1752.5
10	1855.0	-	1905.0	10	1715.0	-	1750.0
15	1857.5	-	1902.5	15	1717.5	-	1747.5
20	1860.0	-	1900.0	20	1720.0	-	1745.0
LTE Band 5				LTE Band 7			
BW (MHz)	Operation Frequency (MHz)			BW (MHz)	Operation Frequency (MHz)		
1.4	824.7	-	848.3	5	2502.5	-	2567.5
3	825.5	-	847.5	10	2505.0	-	2565.0
5	826.5	-	846.5	15	2507.5	-	2562.5
10	829.0	-	844.0	20	2510.0	-	2560.0
LTE Band 12				LTE Band 13			
BW (MHz)	Operation Frequency (MHz)			BW (MHz)	Operation Frequency (MHz)		
1.4	699.7	-	715.3	10	782.0		
3	700.5	-	714.5				
5	701.5	-	713.5				
10	704.0	-	711.0				
LTE Band 14				LTE Band 17			
BW (MHz)	Operation Frequency (MHz)			BW (MHz)	Operation Frequency (MHz)		
5	790.5	-	795.5	5	706.5	-	713.5
10	793.0			10	709.0	-	711.0

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 25				LTE Band 26			
BW (MHz)	Operation Frequency (MHz)			BW (MHz)	Operation Frequency (MHz)		
1.4	1850.7	-	1914.3	1.4	824.7	-	848.3
3	1851.5	-	1913.5	3	825.5	-	847.5
5	1852.5	-	1912.5	5	826.5	-	846.5
10	1855.0	-	1910.0	10	829.0	-	844.0
15	1857.5	-	1907.5	15	831.5	-	841.5
20	1860.0	-	1905.0				
LTE Band 26 Part 90				LTE Band 30			
BW (MHz)	Operation Frequency (MHz)			BW (MHz)	Operation Frequency (MHz)		
1.4	814.7	-	823.3	5	2307.5	-	2312.5
3	815.5	-	822.5	10	2310.0		
5	816.5	-	821.5				
10	819.0						
LTE Band 38				LTE Band 41			
BW (MHz)	Operation Frequency (MHz)			BW (MHz)	Operation Frequency (MHz)		
5	2572.5	-	2617.5	5	2498.5	-	2687.5
10	2575.0	-	2615.0	10	2501.0	-	2685.0
15	2577.5	-	2612.5	15	2503.5	-	2682.5
20	2580.0	-	2610.0	20	2506.0	-	2680.0
LTE Band 66							
BW (MHz)	Operation Frequency (MHz)						
1.4	1710.7	-	1779.3				
3	1711.5	-	1778.5				
5	1712.5	-	1777.5				
10	1715.0	-	1775.0				
15	1717.5	-	1772.5				
20	1720.0	-	1770.0				

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.

1.3 Antenna Designation

Vendor	Type	TX1 / TX2	Antenna Part No.	Modulation	Frequency (MHz)	Peak Antenna Gain (dBi)
AWAN	PIFA	TX1	6036B0257001 (AUP6Y-100031)	WCDMA / HSPA Band II	1850 ~ 1910	0.64
				WCDMA / HSPA Band IV	1710 ~ 1755	0.07
				WCDMA / HSPA Band V	824 ~ 849	-2.2
				LTE Band 2 or 5G NR n2	1850 ~ 1910	0.64
				LTE Band 4	1710 ~ 1755	0.07
				LTE Band 5 or 5G NR n5	824 ~ 849	-2.2
				LTE Band 7	2500 ~ 2570	2.1
				LTE Band 12 or 5G NR n12	699 ~ 716	-0.8
				LTE Band 13	777 ~ 787	-1.33
				LTE Band 14	788 ~ 798	-1.5
				LTE Band 17	704 ~ 716	-0.8
				LTE Band 25	1850 ~ 1915	0.64
				LTE Band 26	824 ~ 849	-2.2
				LTE Band 26 Part 90S	814 ~ 824	-2.71
				LTE Band 30	2305 ~ 2315	2.15
				LTE Band 38	2570 ~ 2620	-3.82
LTE Band 41 (HPUE)	2496 ~ 2690	-1.05				
LTE Band 66 or 5G NR n66	1710 ~ 1780	0.07				

Vendor	Type	TX1 / TX2	Antenna Part No.	Modulation	Frequency (MHz)	Peak Antenna Gain (dBi)
HONG-BO	PIFA	TX1	6036B0257501 (260-27371)	WCDMA / HSPA Band II	1850 ~ 1910	0.68
				WCDMA / HSPA Band IV	1710 ~ 1755	-1.29
				WCDMA / HSPA Band V	824 ~ 849	-0.4
				LTE Band 2 or 5G NR n2	1850 ~ 1910	0.68
				LTE Band 4	1710 ~ 1755	-1.29
				LTE Band 5 or 5G NR n5	824 ~ 849	-0.4
				LTE Band 7	2500 ~ 2570	1.54
				LTE Band 12 or 5G NR n12	699 ~ 716	-2.28
				LTE Band 13	777 ~ 787	0.07
				LTE Band 14	788 ~ 798	0.06
				LTE Band 17	704 ~ 716	-2.28
				LTE Band 25	1850 ~ 1915	0.68
				LTE Band 26	824 ~ 849	-0.4
				LTE Band 26 Part 90S	814 ~ 824	-0.4
				LTE Band 30	2305 ~ 2315	-0.39
				LTE Band 38	2570 ~ 2620	1.54
LTE Band 41 (HPUE)	2496 ~ 2690	1.54				
LTE Band 66 or 5G NR n66	1710 ~ 1780	-1.29				

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.

Vendor	Type	TX1 / TX2	Antenna Part No.	Modulation	Frequency (MHz)	Peak Antenna Gain (dBi)
WNC	PIFA	TX1	6036B0255101 (81EABB15.G41)	WCDMA / HSPA Band II	1850 ~ 1910	0.94
				WCDMA / HSPA Band IV	1710 ~ 1755	0.26
				WCDMA / HSPA Band V	824 ~ 849	-0.22
				LTE Band 2 or 5G NR n2	1850 ~ 1910	0.94
				LTE Band 4	1710 ~ 1755	0.26
				LTE Band 5 or 5G NR n5	824 ~ 849	-0.22
				LTE Band 7	2500 ~ 2570	0.29
				LTE Band 12 or 5G NR n12	699 ~ 716	-3.14
				LTE Band 13	777 ~ 787	-0.02
				LTE Band 14	788 ~ 798	3.18
				LTE Band 17	704 ~ 716	-3.14
				LTE Band 25	1850 ~ 1915	0.94
				LTE Band 26	824 ~ 849	-0.22
				LTE Band 26 Part 90S	814 ~ 824	-0.18
				LTE Band 30	2305 ~ 2315	1.68
LTE Band 38	2570 ~ 2620	-0.41				
LTE Band 41 (HPUE)	2496 ~ 2690	0.29				
LTE Band 66 or 5G NR n66	1710 ~ 1780	0.26				

Vendor	Type	TX1 / TX2	Antenna Part No.	Modulation	Frequency (MHz)	Peak Antenna Gain (dBi)
AWAN	PIFA	TX2	6036B0281201 (AUP6Y-100073)	WCDMA / HSPA Band II	1850 ~ 1910	-0.33
				LTE Band 2 or 5G NR n2	1850 ~ 1910	-0.33
				LTE Band 7 or 5G NR n7	2500 ~ 2570	0.75
				LTE Band 66 or 5G NR n66	1710 ~ 1780	-3.85

Vendor	Type	TX1 / TX2	Antenna Part No.	Modulation	Frequency (MHz)	Peak Antenna Gain (dBi)
HONG-BO	PIFA	TX2	6036B0278401 (260-27440)	WCDMA / HSPA Band II	1850 ~ 1910	0.44
				LTE Band 2 or 5G NR n2	1850 ~ 1910	0.44
				LTE Band 7 or 5G NR n7	2500 ~ 2570	-5.06
				LTE Band 66 or 5G NR n66	1710 ~ 1780	0.07

Vendor	Type	TX1 / TX2	Antenna Part No.	Modulation	Frequency (MHz)	Peak Antenna Gain (dBi)
WNC	PIFA	TX2	6036B0277601 (81EABD15.G07)	WCDMA / HSPA Band II	1850 ~ 1910	-1.21
				LTE Band 2 or 5G NR n2	1850 ~ 1910	-1.21
				LTE Band 7 or 5G NR n7	2500 ~ 2570	-3.39
				LTE Band 66 or 5G NR n66	1710 ~ 1780	-0.14

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 Test Methodology of Applied Standards

FCC 47 CFR Part 2, 22H, 24E, 27C, Part 90

ANSI C63.26-2015

KDB971168 D01 Power Meas license Digital System v03r01

KDB941225 D01 SAR test for 3G devices v03r01 (SAR Measurement Procedures for 3G Devices, WCDMA / HSPA) was used for EUT and Base station setting.

KDB412172 D01 Determining ERP and EIRP v01r01

1.5 Test Facility

SGS Taiwan Ltd. Central RF Lab (TAF code 3702)

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803

FCC Designation number: TW0027

1.6 Special Accessories

No special accessories were used during testing.

1.7 Equipment Modifications

There was no modifications incorporated into the EUT.

1.8 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.

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 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 hand-held 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 according to the requirements in Section 8 and 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.

2.4 Configuration of Tested System

Fig. 2-1 Configuration of Tested System (Fixed Channel-Radiated)

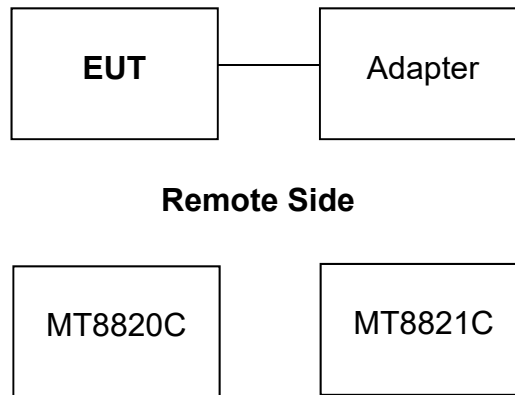


Table 2-1 Equipment Used in

Item	Equipment	Mfr/Brand	Model/ Type No.	Series No.	Data Cable	Power Cord
1.	Radio Communication Analyzer	Anritsu	MT8820C	6201465317	shielded	Un-shielded
2.	Radio Communication Analyzer	Anritsu	MT8821C	6261786084	shielded	Un-shielded

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.

3 SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§2.1053 §22.917(a) §24.238(a) §27.53(a) §27.53(c)(f) §27.53(g) §27.53(h) §27.53(m)(4) §90.691(a)(1)(2)	Field Strength of Spurious 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.

4 DESCRIPTION OF TEST MODES

4.1 The Worst Test Modes and Channel Details

1. The EUT has been tested under operating condition.
2. The field strength of radiation emission was measured as NB Plane for Transmitter for channel Low, Mid and High.

4.2 Measurement Configuration

WCDMA

ITEM	Band	CH Low	CH Mid	CH High	Antenna
Radiated Emission	2	9262	9400	9538	WNC

LTE Band	Test Channel	Channel Bandwidth (MHz)	Modulation	Resource Block Allocation		Antenna
				RBs allocated	RB Start	
14	L,M,H	5	QPSK	1	0	HB
14	Mid	10	QPSK	1	0	HB
26	L,M,H	5	QPSK	Full		HB
26	L,M,H	10	QPSK	Full		HB
26	L,M,H	15	QPSK	Full		HB
26(90)	L,M,H	15	QPSK	Full		HB
26(90)	Mid	15	QPSK	Full		HB
30	L,M,H	5	QPSK	1	0	HB
30	Mid	10	QPSK	1	0	HB
41	L,M,H	20	QPSK	Full		HB

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

Radiated Spurious Emission:

Measurement uncertainty (Polarization : Vertical)	9kHz – 30MHz: +/- 2.87 dB
	30MHz - 180MHz: +/- 3.37dB
	180MHz -417MHz: +/- 3.19dB
	0.417GHz-1GHz: +/- 3.19dB
	1GHz - 18GHz: +/- 4.04dB
	18GHz - 40GHz: +/- 4.04dB

Measurement uncertainty (Polarization : Horizontal)	9kHz – 30MHz: +/- 2.87 dB
	30MHz - 167MHz: +/- 4.22dB
	167MHz -500MHz: +/- 3.44dB
	0.5GHz-1GHz: +/- 3.39dB
	1GHz - 18GHz: +/- 4.08dB
	18GHz - 40GHz: +/- 4.08dB

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 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

6.1 Standard Applicable

According to FCC §2.1053,

FCC §22.917(a), §24.238(a), §27.53(h), §90.691

Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

FCC §27.53(a) for LTE B30

For operations in the 2305-2320 MHz band and the 2345-2360 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power P (with averaging performed only during periods of transmission) within the licensed band(s) of operation, in watts, by the following amounts:

(4) For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:

(ii) By a factor of not less than $70 + 10 \log(P)$ dB below 2288 MHz;

(iii) By a factor of not less than $70 + 10 \log(P)$ dB above 2365 MHz.

FCC §27.53(c) for LTE B13

For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB (-13dBm)

(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;

FCC §27.53 (f) for LTE B13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

FCC §27.53(c) (5) & FCC §27.53(g) for LTE B12, 13

Compliance for operations in the 600 MHz, 698-746 MHz, 746-758 MHz and the 776-788 MHz band with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

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.

FCC §27.53(h)(3) for LTE B4, 66

Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

FCC §27.53(m) (4) (6) for LTE B7, 38, 41

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.

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.

§90.691 Emission mask requirements for EA-based systems for LTE B26

(a) Out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 Log₁₀(f/6.1) decibels or 50 + 10 Log₁₀(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + 10Log₁₀(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

Table 2 — Unwanted Emissions for Mobile, Portable and Low-Power Fixed Subscriber Equipment

Frequency (MHz)	Attenuation (dB)
<2200	43 + 10 log ₁₀ (p)
2200 - 2288	70 + 10 log ₁₀ (p)
2288 - 2292	67 + 10 log ₁₀ (p)
2292 - 2296	61 + 10 log ₁₀ (p)
2296 - 2300	55 + 10 log ₁₀ (p)
2300 - 2305	43 + 10 log ₁₀ (p)
2305 - 2320	43 + 10 log ₁₀ (p) ^{Note}
2320 - 2324	55 + 10 log ₁₀ (p)
2324 - 2328	61 + 10 log ₁₀ (p)
2328 - 2337	67 + 10 log ₁₀ (p)
2337 - 2341	61 + 10 log ₁₀ (p)
2341 - 2345	55 + 10 log ₁₀ (p)
2345 - 2360	43 + 10 log ₁₀ (p) ^{Note}
2360 - 2365	43 + 10 log ₁₀ (p)
2365 - 2395	70 + 10 log ₁₀ (p)
>2395	43 + 10 log ₁₀ (p)

Note: Measured at the edges of the highest and lowest frequency range(s) in which the equipment is designed to operate. See Section 1.2 for the permitted frequency ranges for various equipment types.

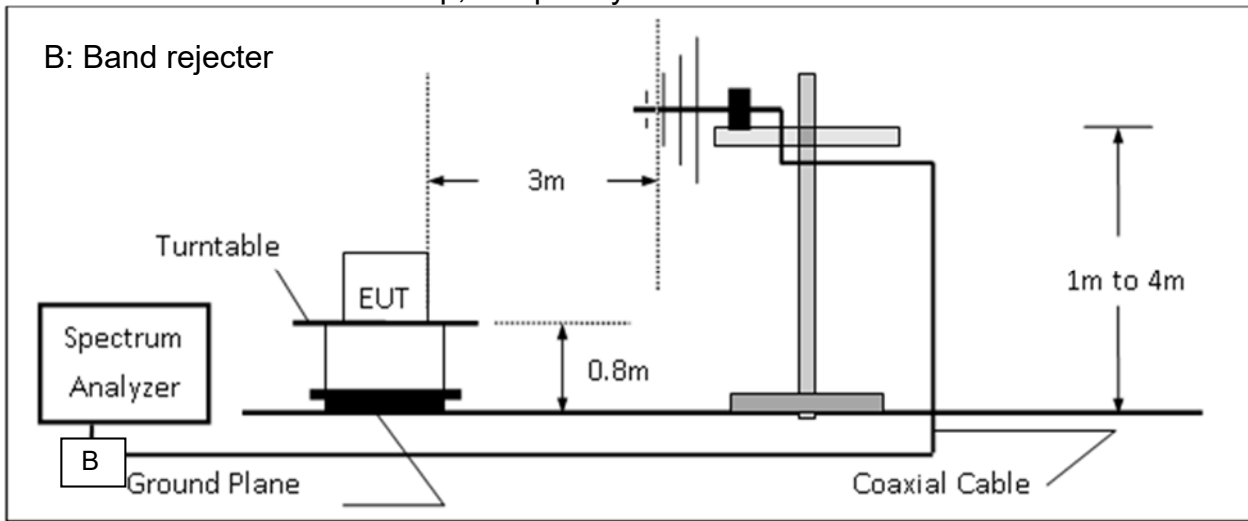
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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。

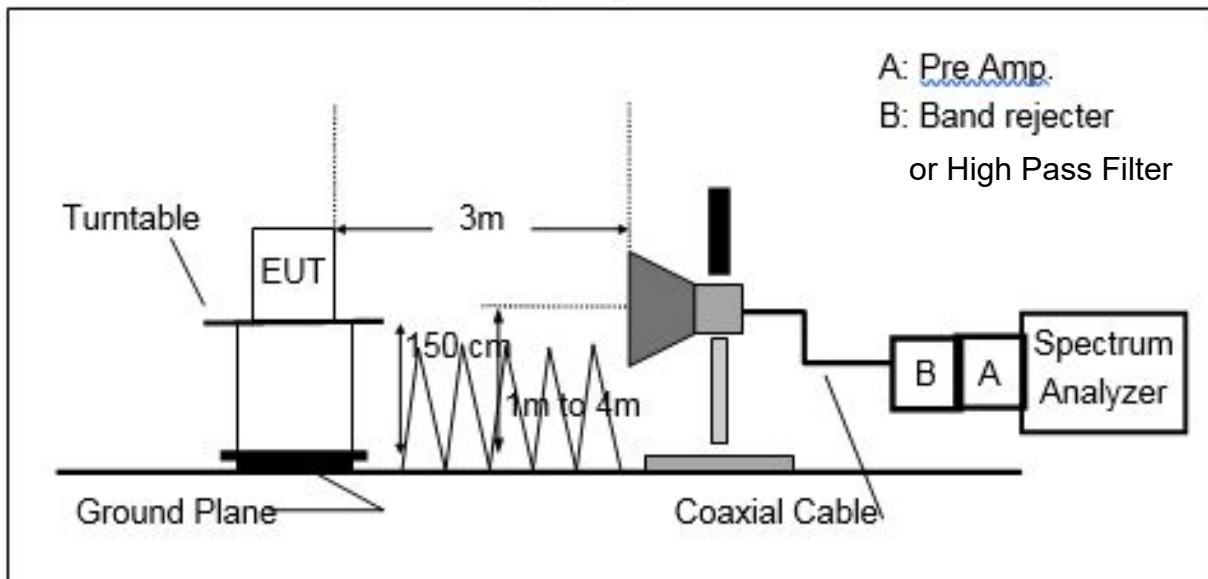
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>.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

Radiated Emission Test Set-Up, Frequency Below 1000MHz



Radiated Emission Test Set-UP Frequency Over 1 GHz



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.

6.3 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.

$$\text{ERP (dBm)} = \text{SG Level(dBm)} + \text{Antenna Gain(dBd)} + \text{Cable Loss(dB)}$$

$$\text{EIRP (dBm)} = \text{SG Level(dBm)} + \text{Antenna Gain(dBi)} + \text{Cable Loss(dB)}$$

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.

6.4 Measurement Equipment Used:

ERP, EIRP MEASUREMENT EQUIPMENT List 966 Chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Horn Antenna	Schwarzbeck	BBHA9170	184	12/25/2019	12/24/2020
Horn Antenna	Schwarzbeck	BBHA9120D	D803	12/20/2019	12/19/2020
Bi-log Antenna	TESEO	CBL 6112D	35242 & AT-N0555	01/13/2020	01/12/2021
Spectrum Analyzer	Agilent	E4446A	MY51100003	10/23/2019	10/22/2020
Radio Communication Analyzer	Anritsu	MT8820C	6201465317	02/18/2020	02/17/2021
Radio Communication Analyzer	Anritsu	MT8821C	6261786084	01/18/2020	01/17/2021
EMI Test Receiver	R&S	ESCI 7	100759	07/13/2020	07/12/2021
Pre-Amplifier	EMC Instruments	EMC184045B	980135	01/02/2020	01/01/2021
Pre-Amplifier	EMC Instruments	EMC051825	980152	01/02/2020	01/01/2021
Pre-Amplifier	HP	8447D	2944A09469	01/02/2020	01/01/2021
Filter 635-920	Micro-Tronics	WI	4	01/02/2020	01/01/2021
Filter 800-1000	Micro-Tronics	EWT	M1	01/02/2020	01/01/2021
Filter 1700-2000	Micro-Tronics	EWT	M3	01/02/2020	01/01/2021
Filter 2240-2700	Micro-Tronics	WI	2	01/02/2020	01/01/2021
Filter 3300-3800	Micro-Tronics	WI	1	01/02/2020	01/01/2021
1GHz High Pass Filter	Micro-Tronics	HPM50108	32	01/02/2020	01/01/2021
2GHz High Pass Filter	Micro-Tronics	HPM50110	36	01/02/2020	01/01/2021
High Pass Filter	WI	WHKX4.0/18G-10SS	22	01/02/2020	01/01/2021
Coaxial Cable	Huber Suhner	succoflex 102	MY2622/2	01/02/2020	01/01/2021
Coaxial Cable	Huber Suhner	succoflex 104A	800086/4a	01/02/2020	01/01/2021
Coaxial Cable	Huber Suhner	EMC 104-SM-SM-2000	160123	01/02/2020	01/01/2021

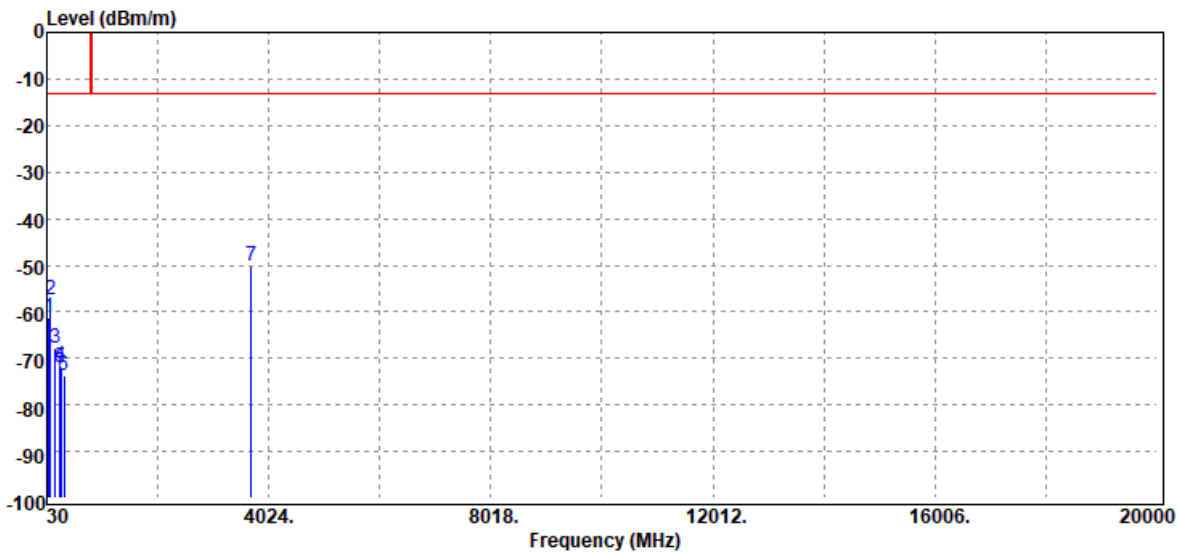
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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.

6.5 Measurement Result:

Report Number	:ER/2020/80160	Test Site	:SAC I Chamber
Operation Mode	:WCDMA B2	Test Date	:2020-09-19
Test Mode	:Tx CH Low	Temp./Humi.	:22.5/63
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:1852.4 MHz	Engineer	:Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
59.10	-61.29	-45.38	-15.18	-0.73	-13.00	-48.29
97.90	-57.48	-50.75	-5.79	-0.94	-13.00	-44.48
180.35	-67.68	-62.28	-4.17	-1.23	-13.00	-54.68
274.44	-71.67	-68.38	-1.75	-1.54	-13.00	-58.67
287.05	-71.83	-68.42	-1.81	-1.60	-13.00	-58.83
342.34	-73.78	-70.28	-1.64	-1.86	-13.00	-60.78
3704.80	-50.17	-56.72	12.40	-5.85	-13.00	-37.17

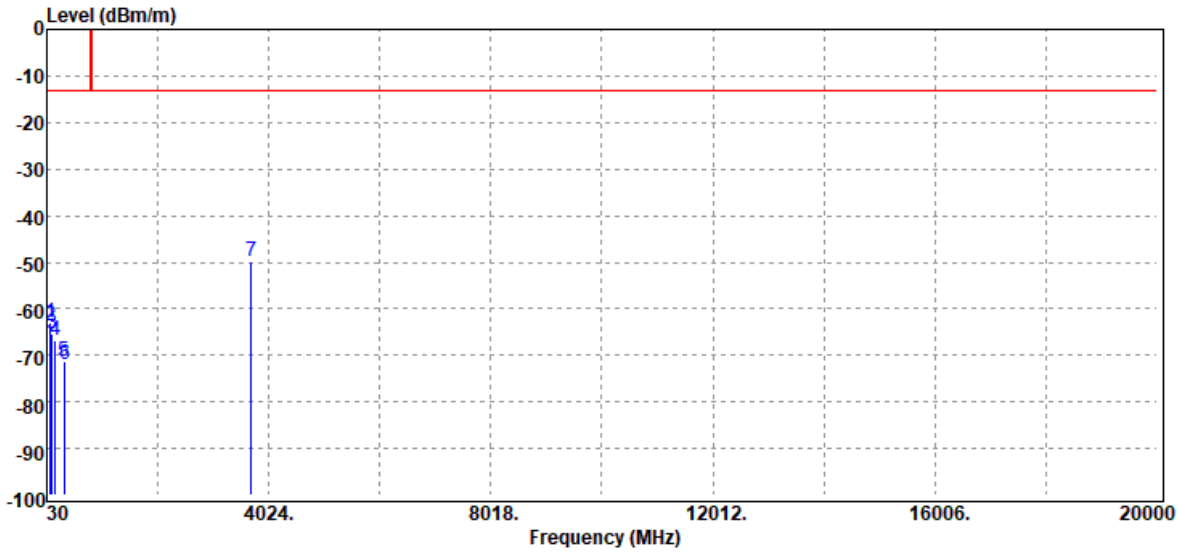
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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.

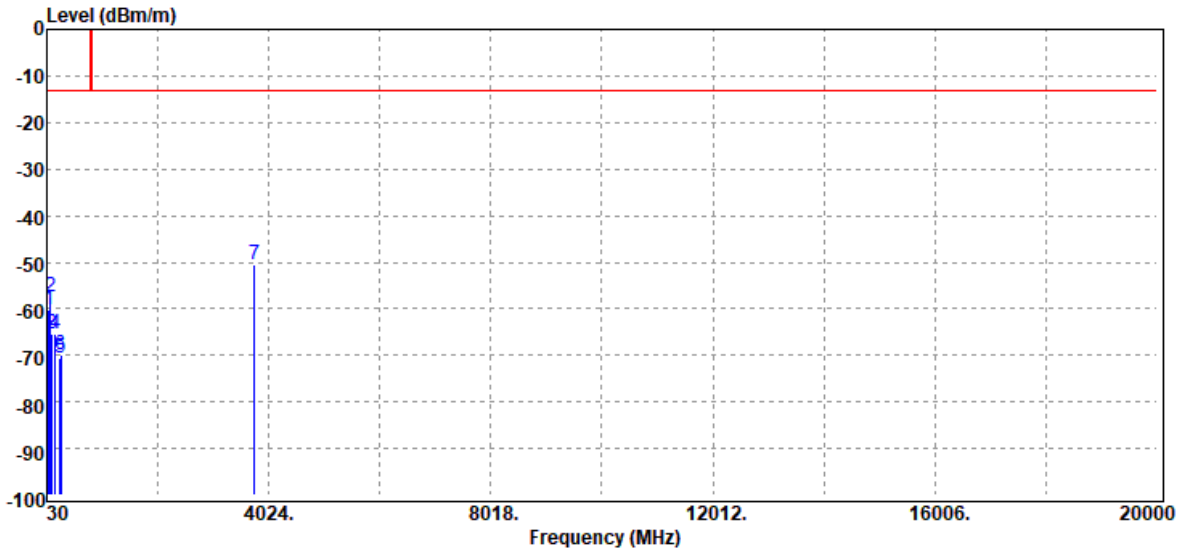
Report Number :ER/2020/80160
 Operation Mode :WCDMA B2
 Test Mode :Tx CH Low
 EUT Pol :NB Plane
 Test Frequency :1852.4 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Report Number :ER/2020/80160
 Operation Mode :WCDMA B2
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane
 Test Frequency :1880 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
59.10	-60.11	-44.20	-15.18	-0.73	-13.00	-47.11
99.84	-57.61	-50.65	-6.01	-0.95	-13.00	-44.61
127.00	-65.53	-56.87	-7.65	-1.01	-13.00	-52.53
185.20	-65.39	-60.67	-3.47	-1.25	-13.00	-52.39
274.44	-70.60	-67.31	-1.75	-1.54	-13.00	-57.60
287.05	-69.75	-66.34	-1.81	-1.60	-13.00	-56.75
3760.00	-50.62	-57.28	12.40	-5.74	-13.00	-37.62

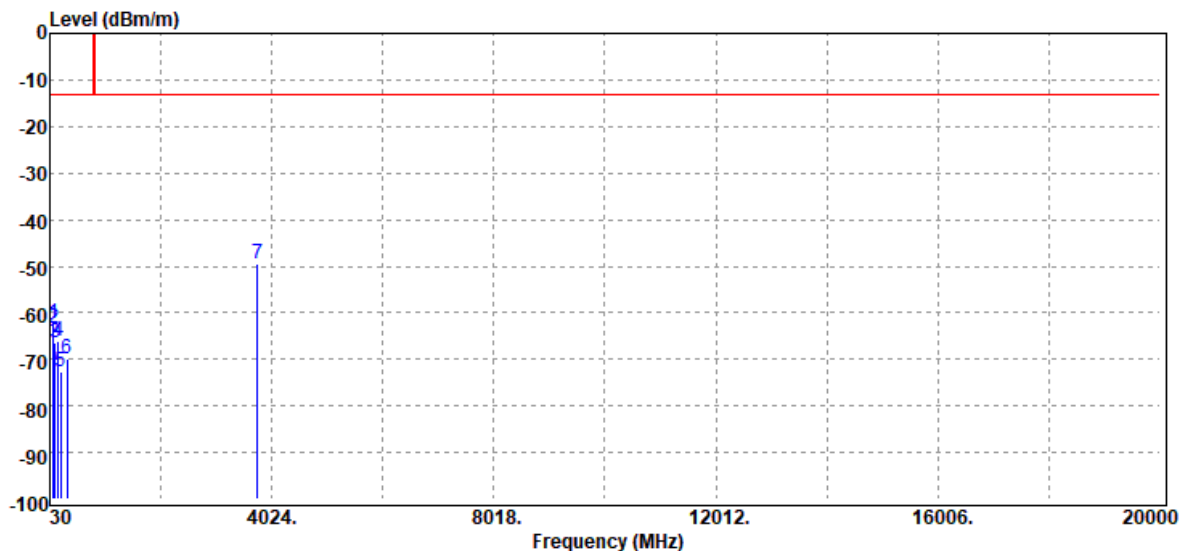
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :WCDMA B2
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane
 Test Frequency :1880 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
90.14	-62.14	-55.43	-5.81	-0.90	-13.00	-49.14
100.81	-63.17	-56.02	-6.20	-0.95	-13.00	-50.17
119.24	-66.48	-58.10	-7.32	-1.06	-13.00	-53.48
182.29	-66.23	-61.19	-3.81	-1.23	-13.00	-53.23
226.91	-72.58	-69.84	-1.33	-1.41	-13.00	-59.58
347.19	-69.80	-66.40	-1.56	-1.84	-13.00	-56.80
3760.00	-49.49	-56.15	12.40	-5.74	-13.00	-36.49

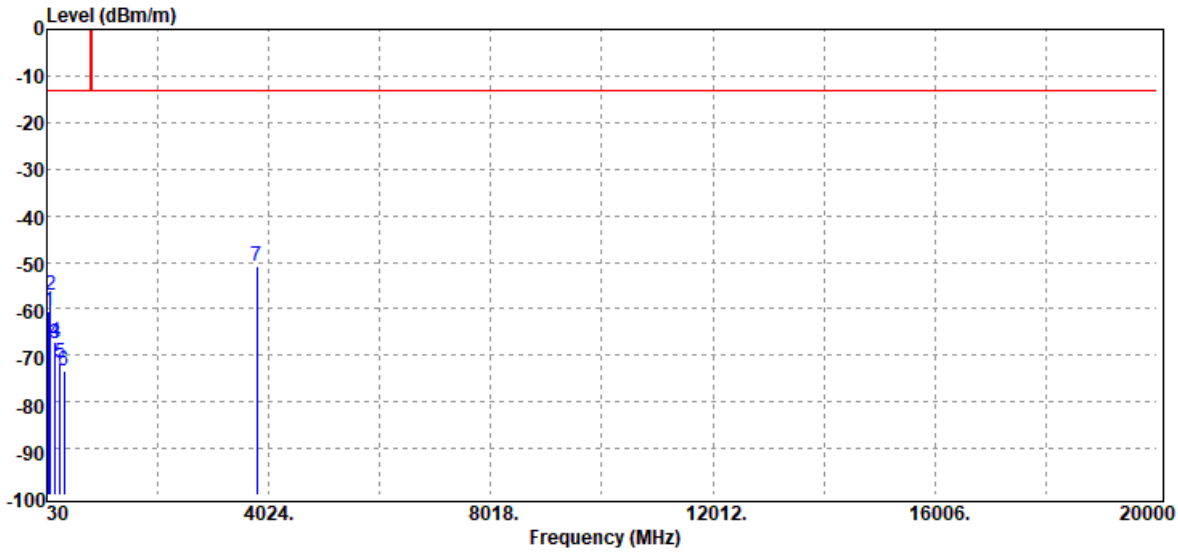
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
Operation Mode :WCDMA B2
Test Mode :Tx CH High
EUT Pol :NB Plane
Test Frequency :1907.6 MHz

Test Site :SAC I Chamber
Test Date :2020-09-19
Temp./Humi. :22.5/63
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-60.72	-45.36	-14.61	-0.75	-13.00	-47.72
99.84	-57.24	-50.28	-6.01	-0.95	-13.00	-44.24
178.41	-67.31	-61.62	-4.46	-1.23	-13.00	-54.31
187.14	-67.02	-62.49	-3.27	-1.26	-13.00	-54.02
274.44	-71.75	-68.46	-1.75	-1.54	-13.00	-58.75
338.46	-73.39	-69.84	-1.71	-1.84	-13.00	-60.39
3815.20	-50.97	-57.64	12.43	-5.76	-13.00	-37.97

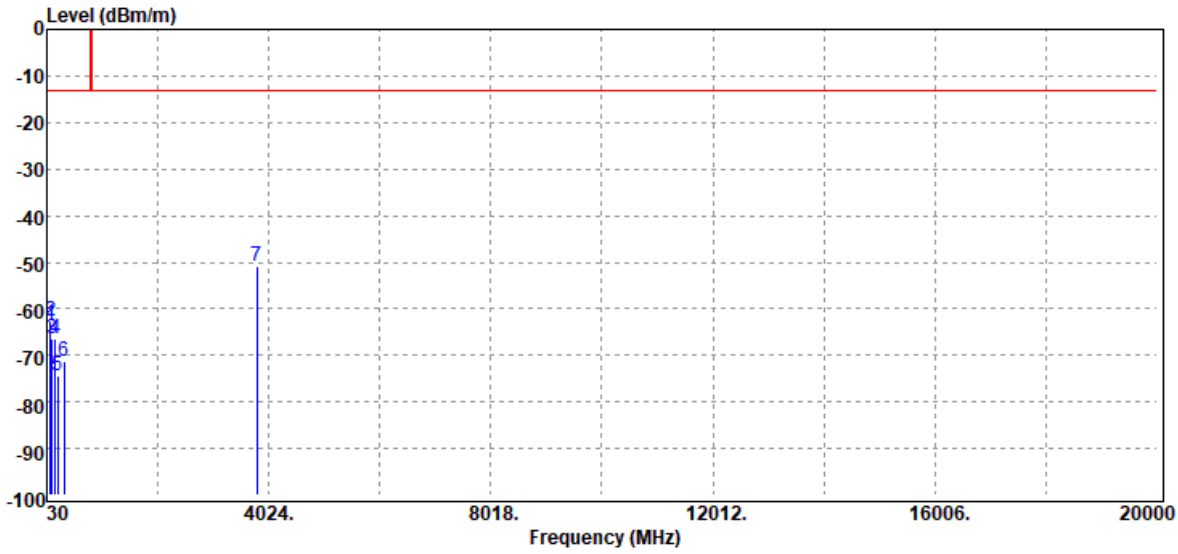
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :WCDMA B2
 Test Mode :Tx CH High
 EUT Pol :NB Plane
 Test Frequency :1907.6 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
89.17	-63.35	-56.44	-6.01	-0.90	-13.00	-50.35
100.81	-62.54	-55.39	-6.20	-0.95	-13.00	-49.54
117.30	-66.42	-58.03	-7.34	-1.05	-13.00	-53.42
177.44	-66.35	-60.56	-4.55	-1.24	-13.00	-53.35
228.85	-74.33	-71.54	-1.37	-1.42	-13.00	-61.33
335.55	-71.34	-67.83	-1.72	-1.79	-13.00	-58.34
3815.20	-50.77	-57.44	12.43	-5.76	-13.00	-37.77

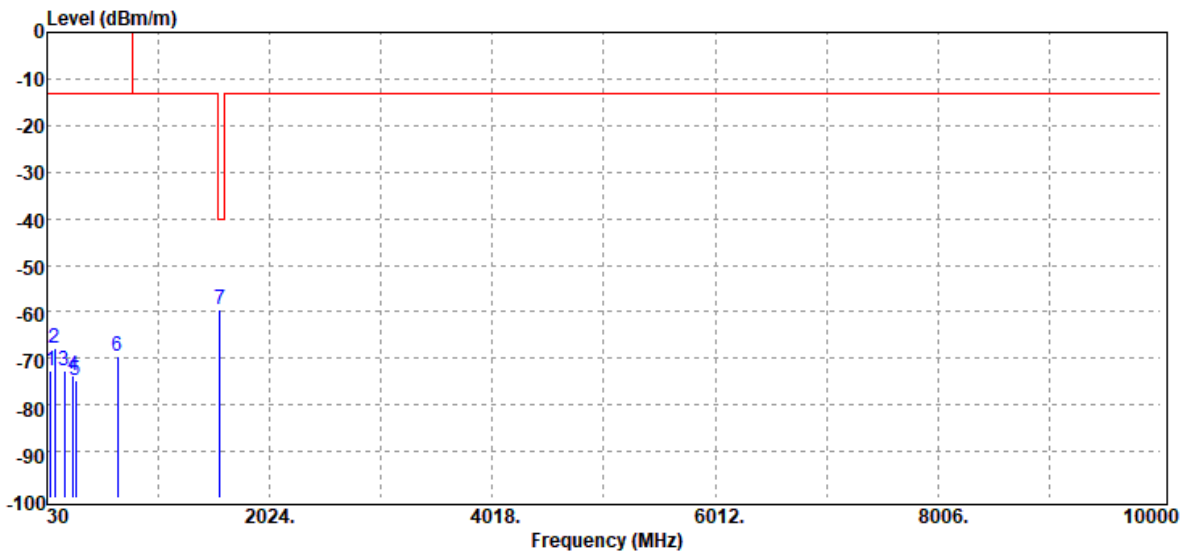
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B14
 Test Mode :Tx CH Low
 EUT Pol :NB Plane
 Test Frequency :790.5 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-72.58	-57.22	-14.61	-0.75	-13.00	-59.58
99.84	-67.92	-60.96	-6.01	-0.95	-13.00	-54.92
187.14	-72.63	-68.10	-3.27	-1.26	-13.00	-59.63
265.71	-73.63	-70.42	-1.68	-1.53	-13.00	-60.63
287.05	-74.76	-71.35	-1.81	-1.60	-13.00	-61.76
660.50	-69.55	-65.52	-1.34	-2.69	-13.00	-56.55
1581.00	-59.56	-65.04	9.25	-3.77	-40.00	-19.56

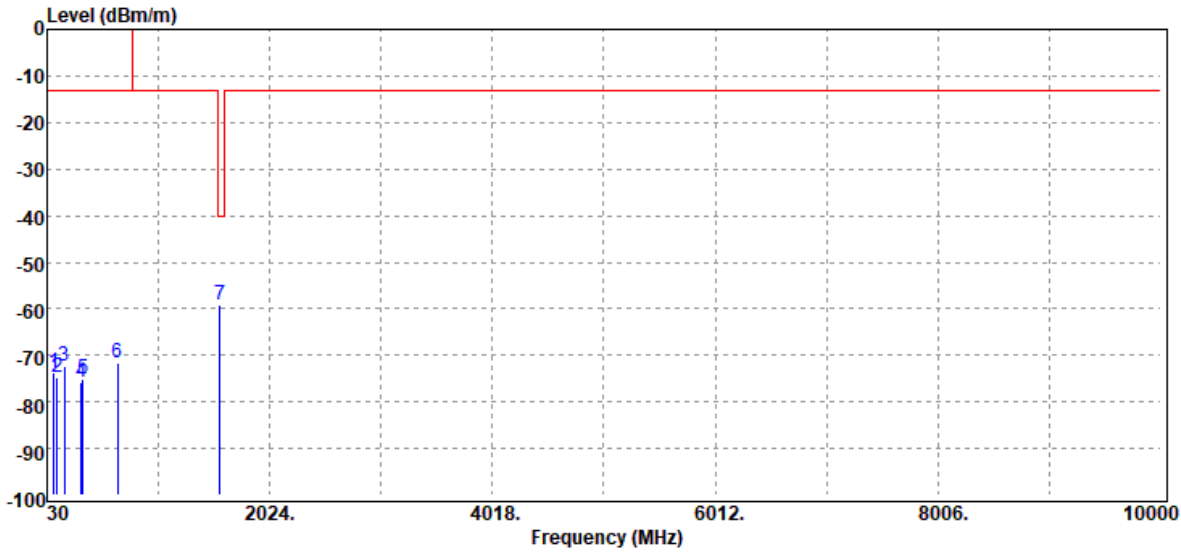
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B14
 Test Mode :Tx CH Low
 EUT Pol :NB Plane
 Test Frequency :790.5 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
90.14	-73.55	-66.84	-5.81	-0.90	-13.00	-60.55
117.30	-74.73	-66.34	-7.34	-1.05	-13.00	-61.73
183.26	-72.46	-67.48	-3.74	-1.24	-13.00	-59.46
333.61	-75.91	-72.42	-1.73	-1.76	-13.00	-62.91
352.04	-75.05	-71.70	-1.54	-1.81	-13.00	-62.05
659.53	-71.77	-67.76	-1.33	-2.68	-13.00	-58.77
1581.00	-59.30	-64.78	9.25	-3.77	-40.00	-19.30

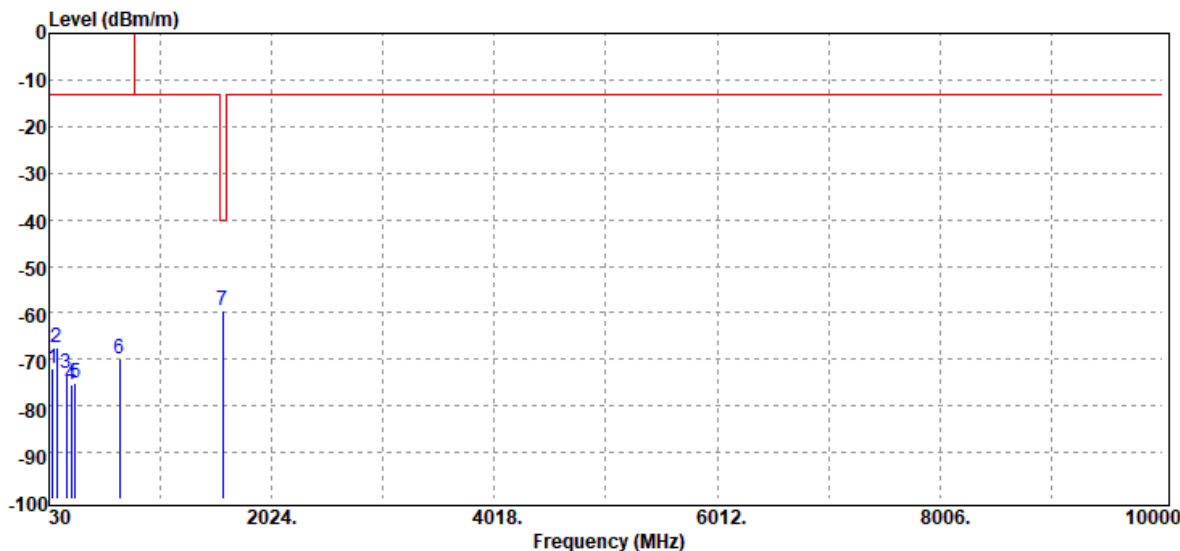
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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.

Report Number :ER/2020/80160
Operation Mode :LTE B14
Test Mode :Tx CH Mid
EUT Pol :NB Plane
Test Frequency :793 MHz

Test Site :SAC I Chamber
Test Date :2020-09-19
Temp./Humi. :22.5/63
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-72.06	-56.70	-14.61	-0.75	-13.00	-59.06
99.84	-67.39	-60.43	-6.01	-0.95	-13.00	-54.39
183.26	-73.03	-68.05	-3.74	-1.24	-13.00	-60.03
225.94	-75.60	-72.90	-1.30	-1.40	-13.00	-62.60
260.86	-74.97	-71.81	-1.63	-1.53	-13.00	-61.97
659.53	-69.85	-65.84	-1.33	-2.68	-13.00	-56.85
1586.00	-59.57	-65.08	9.29	-3.78	-40.00	-19.57

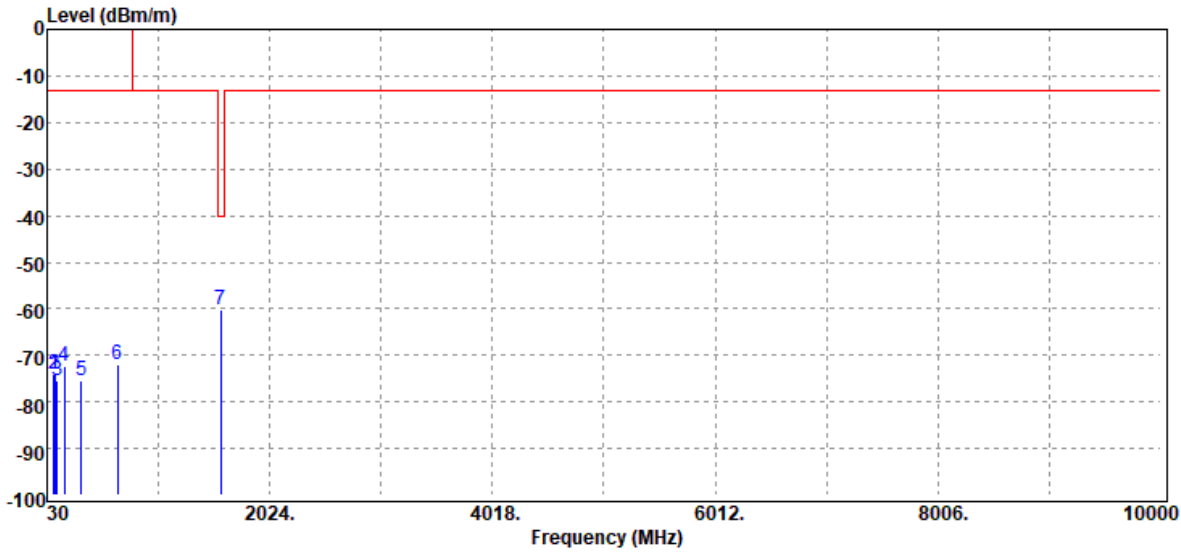
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B14
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane
 Test Frequency :793 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
88.20	-73.96	-66.87	-6.20	-0.89	-13.00	-60.96
97.90	-74.12	-67.39	-5.79	-0.94	-13.00	-61.12
119.24	-75.52	-67.14	-7.32	-1.06	-13.00	-62.52
183.26	-72.34	-67.36	-3.74	-1.24	-13.00	-59.34
335.55	-75.28	-71.77	-1.72	-1.79	-13.00	-62.28
659.53	-72.07	-68.06	-1.33	-2.68	-13.00	-59.07
1586.00	-60.31	-65.82	9.29	-3.78	-40.00	-20.31

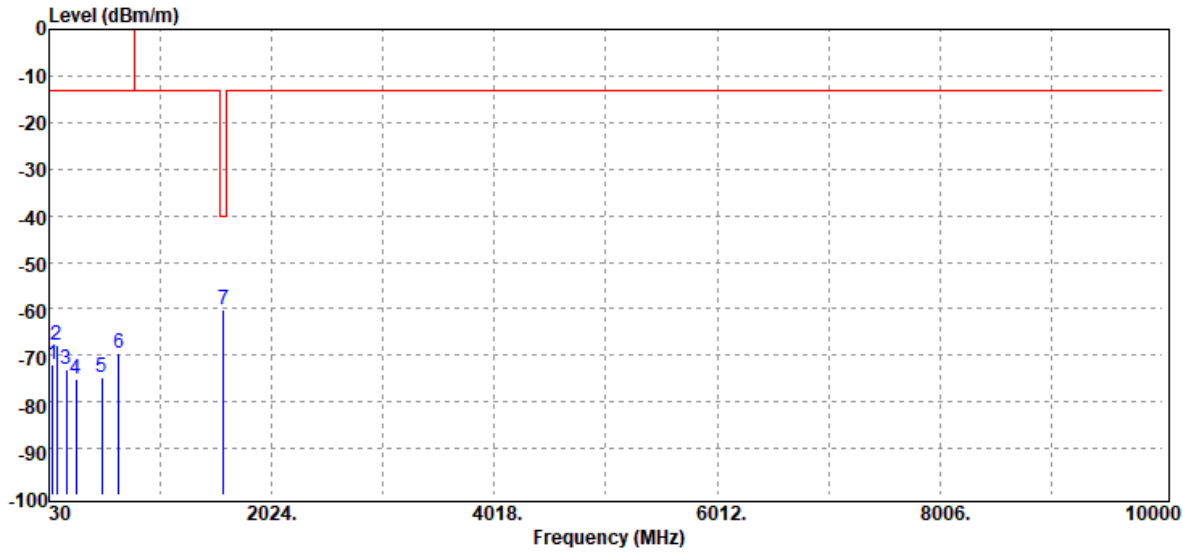
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B14
 Test Mode :Tx CH High
 EUT Pol :NB Plane
 Test Frequency :795.5 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-72.02	-56.66	-14.61	-0.75	-13.00	-59.02
99.84	-67.70	-60.74	-6.01	-0.95	-13.00	-54.70
183.26	-72.89	-67.91	-3.74	-1.24	-13.00	-59.89
274.44	-75.06	-71.77	-1.75	-1.54	-13.00	-62.06
502.39	-74.70	-70.97	-1.45	-2.28	-13.00	-61.70
657.59	-69.70	-65.74	-1.32	-2.64	-13.00	-56.70
1591.00	-60.14	-65.69	9.33	-3.78	-40.00	-20.14

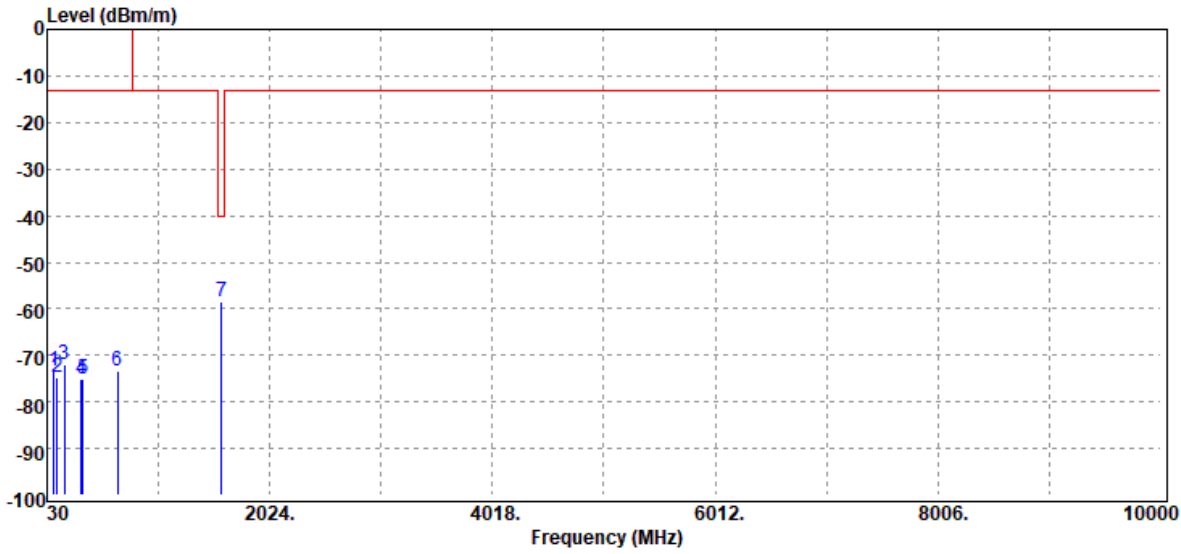
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B14
 Test Mode :Tx CH High
 EUT Pol :NB Plane
 Test Frequency :795.5 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
88.20	-73.46	-66.37	-6.20	-0.89	-13.00	-60.46
118.27	-74.77	-66.41	-7.30	-1.06	-13.00	-61.77
183.26	-72.10	-67.12	-3.74	-1.24	-13.00	-59.10
337.49	-75.06	-71.53	-1.71	-1.82	-13.00	-62.06
353.01	-75.06	-71.74	-1.53	-1.79	-13.00	-62.06
659.53	-73.31	-69.30	-1.33	-2.68	-13.00	-60.31
1591.00	-58.44	-63.99	9.33	-3.78	-40.00	-18.44

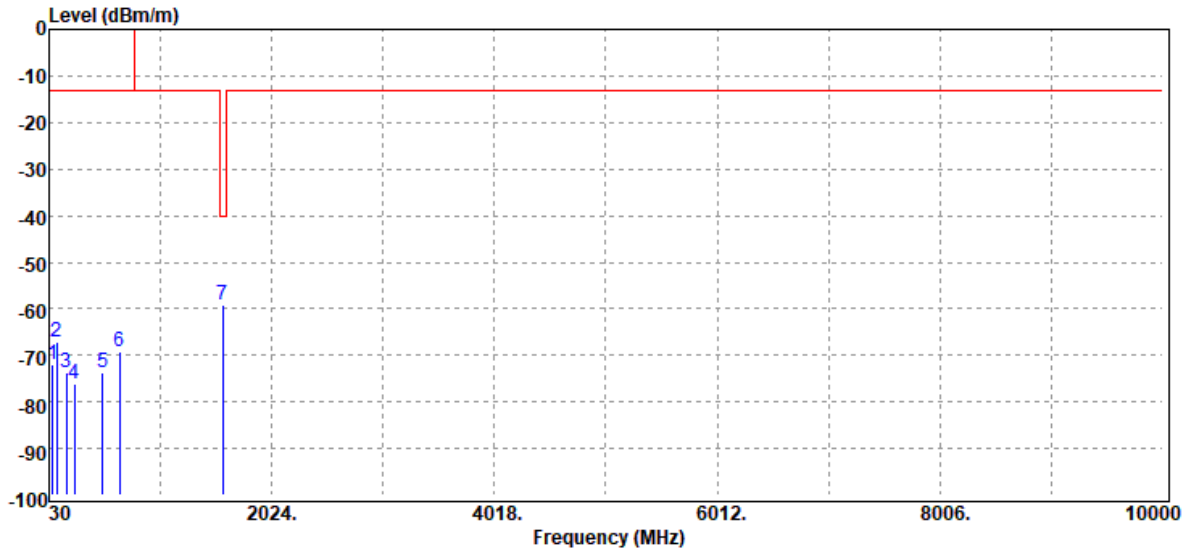
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
Operation Mode :LTE B14_10M
Test Mode :Tx CH Mid
EUT Pol :NB Plane
Test Frequency :793 MHz

Test Site :SAC I Chamber
Test Date :2020-09-19
Temp./Humi. :22.5/63
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-71.85	-56.49	-14.61	-0.75	-13.00	-58.85
97.90	-67.24	-60.51	-5.79	-0.94	-13.00	-54.24
185.20	-73.53	-68.81	-3.47	-1.25	-13.00	-60.53
256.01	-76.00	-72.87	-1.60	-1.53	-13.00	-63.00
512.09	-73.70	-69.82	-1.54	-2.34	-13.00	-60.70
659.53	-69.36	-65.35	-1.33	-2.68	-13.00	-56.36
1586.00	-59.15	-64.66	9.29	-3.78	-40.00	-19.15

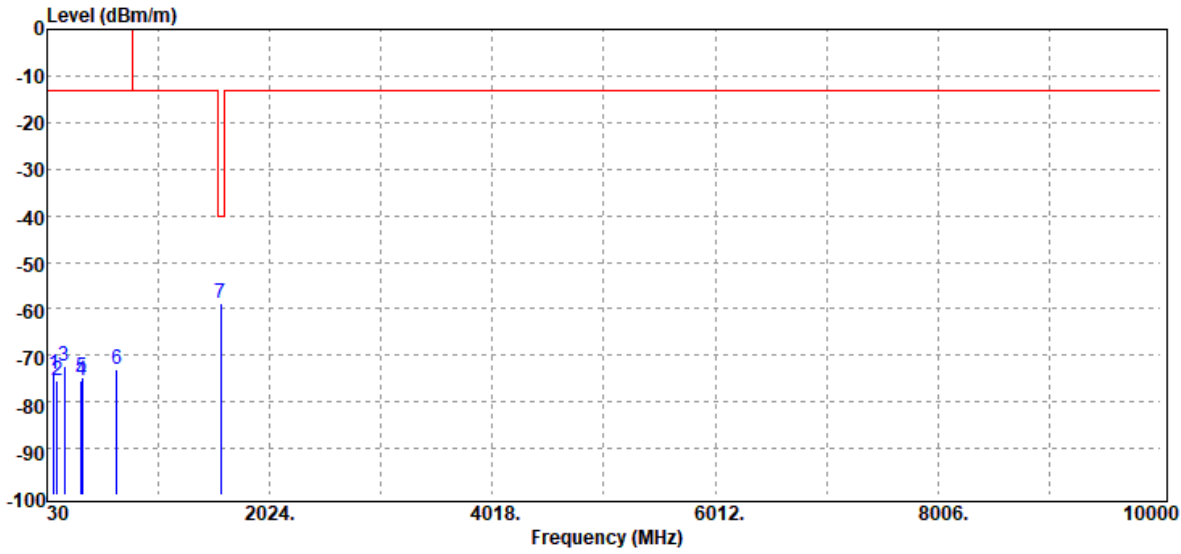
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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.

Report Number :ER/2020/80160
Operation Mode :LTE B14_10M
Test Mode :Tx CH Mid
EUT Pol :NB Plane
Test Frequency :793 MHz

Test Site :SAC I Chamber
Test Date :2020-09-19
Temp./Humi. :22.5/63
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
93.05	-73.99	-67.52	-5.55	-0.92	-13.00	-60.99
117.30	-75.43	-67.04	-7.34	-1.05	-13.00	-62.43
183.26	-72.45	-67.47	-3.74	-1.24	-13.00	-59.45
335.55	-75.36	-71.85	-1.72	-1.79	-13.00	-62.36
345.25	-74.91	-71.49	-1.57	-1.85	-13.00	-61.91
657.59	-72.93	-68.97	-1.32	-2.64	-13.00	-59.93
1586.00	-58.90	-64.41	9.29	-3.78	-40.00	-18.90

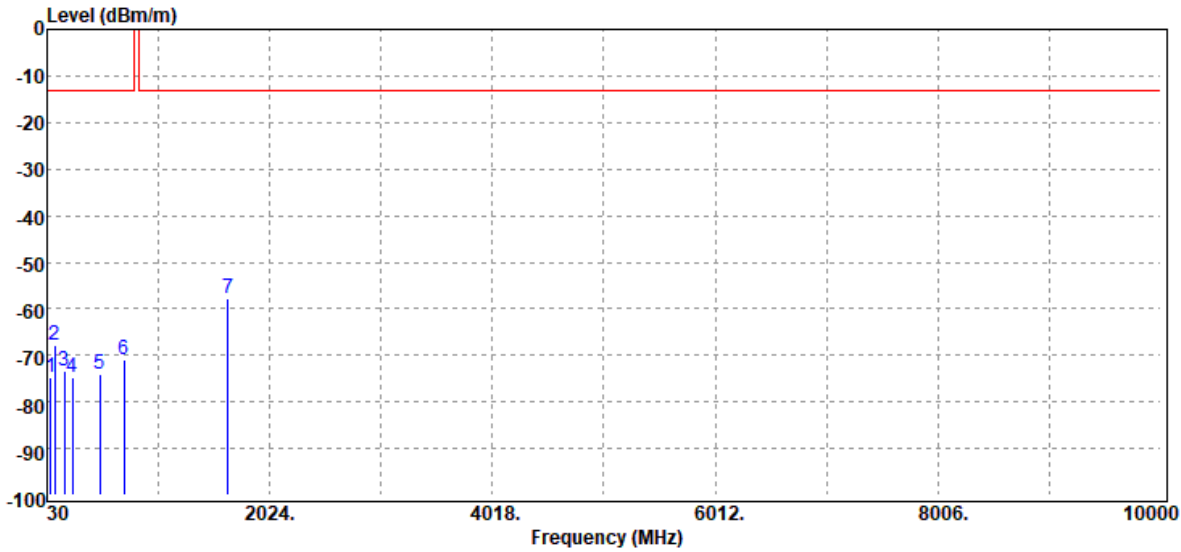
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B26
 Test Mode :Tx CH Low
 EUT Pol :NB Plane
 Test Frequency :826.5 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-74.88	-59.52	-14.61	-0.75	-13.00	-61.88
99.84	-67.84	-60.88	-6.01	-0.95	-13.00	-54.84
184.23	-73.48	-68.64	-3.60	-1.24	-13.00	-60.48
256.01	-74.67	-71.54	-1.60	-1.53	-13.00	-61.67
505.30	-73.96	-70.17	-1.47	-2.32	-13.00	-60.96
715.79	-70.95	-67.05	-1.32	-2.58	-13.00	-57.95
1653.00	-57.72	-63.65	9.80	-3.87	-13.00	-44.72

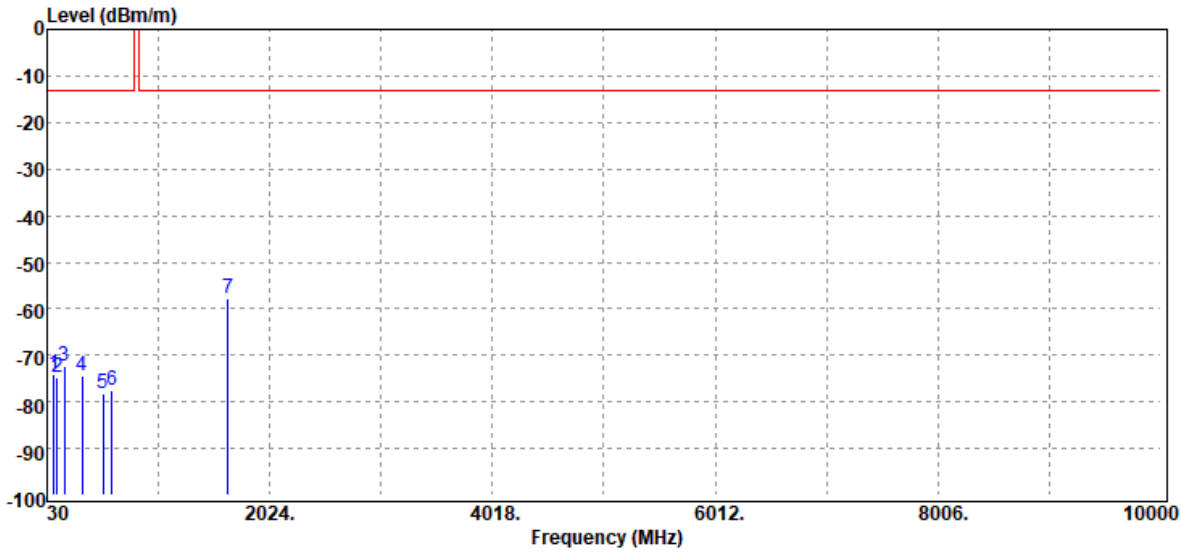
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B26
 Test Mode :Tx CH Low
 EUT Pol :NB Plane
 Test Frequency :826.5 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
93.05	-73.96	-67.49	-5.55	-0.92	-13.00	-60.96
118.27	-74.82	-66.46	-7.30	-1.06	-13.00	-61.82
182.29	-72.36	-67.32	-3.81	-1.23	-13.00	-59.36
345.25	-74.53	-71.11	-1.57	-1.85	-13.00	-61.53
534.40	-78.05	-74.82	-1.36	-1.87	-13.00	-65.05
608.12	-77.65	-73.72	-1.91	-2.02	-13.00	-64.65
1653.00	-57.66	-63.59	9.80	-3.87	-13.00	-44.66

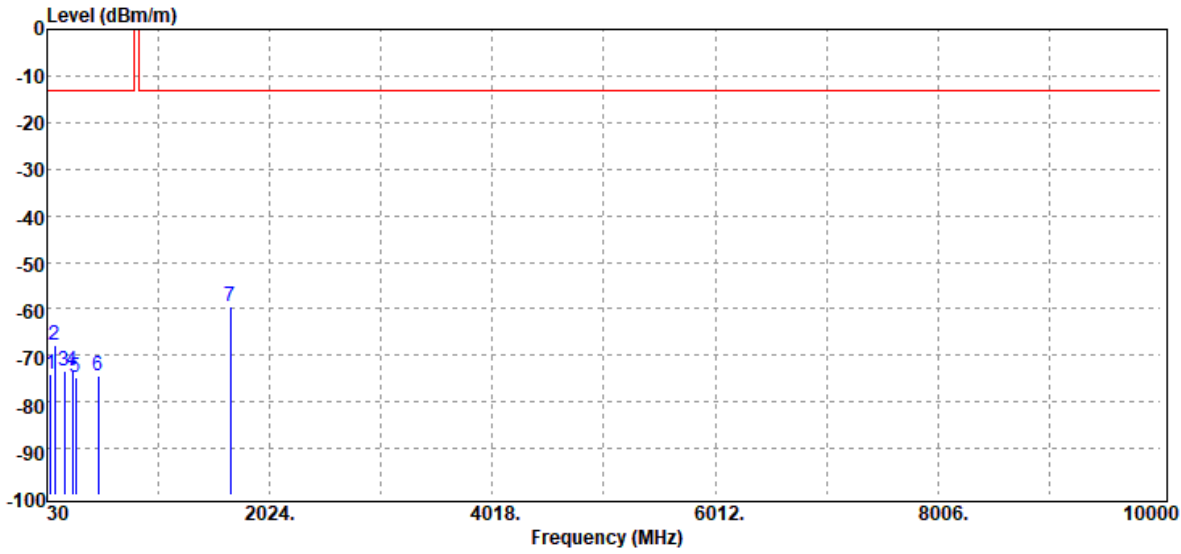
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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.

Report Number :ER/2020/80160
 Operation Mode :LTE B26
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane
 Test Frequency :836.5 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-74.11	-58.75	-14.61	-0.75	-13.00	-61.11
95.96	-67.76	-61.25	-5.58	-0.93	-13.00	-54.76
183.26	-73.22	-68.24	-3.74	-1.24	-13.00	-60.22
255.04	-73.52	-70.39	-1.60	-1.53	-13.00	-60.52
287.05	-74.77	-71.36	-1.81	-1.60	-13.00	-61.77
488.81	-74.23	-70.51	-1.62	-2.10	-13.00	-61.23
1673.00	-59.36	-65.26	9.80	-3.90	-13.00	-46.36

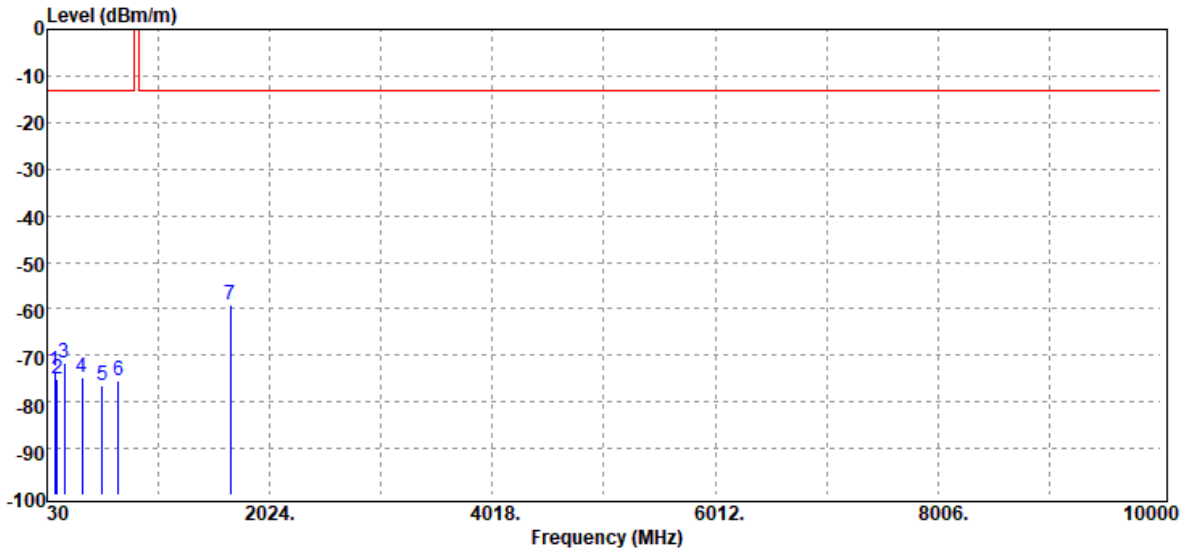
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B26
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane
 Test Frequency :836.5 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
95.96	-73.24	-66.73	-5.58	-0.93	-13.00	-60.24
118.27	-75.04	-66.68	-7.30	-1.06	-13.00	-62.04
182.29	-71.74	-66.70	-3.81	-1.23	-13.00	-58.74
347.19	-74.77	-71.37	-1.56	-1.84	-13.00	-61.77
521.79	-76.51	-73.03	-1.38	-2.10	-13.00	-63.51
667.29	-75.58	-71.37	-1.43	-2.78	-13.00	-62.58
1673.00	-59.09	-64.99	9.80	-3.90	-13.00	-46.09

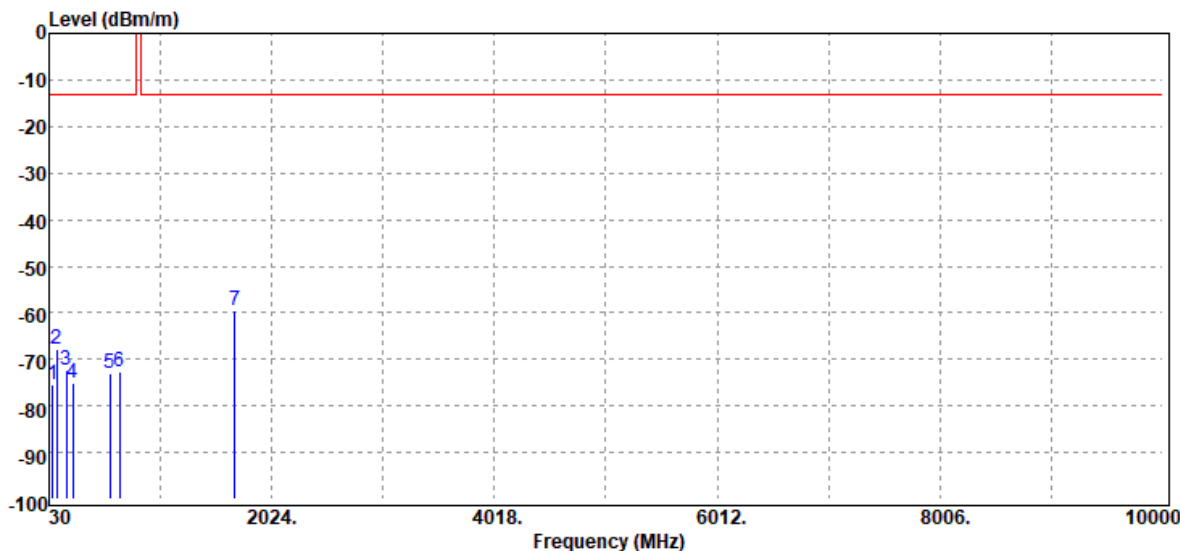
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B26
 Test Mode :Tx CH High
 EUT Pol :NB Plane
 Test Frequency :846.5 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
59.10	-75.29	-59.38	-15.18	-0.73	-13.00	-62.29
100.81	-67.86	-60.71	-6.20	-0.95	-13.00	-54.86
185.20	-72.27	-67.55	-3.47	-1.25	-13.00	-59.27
240.49	-74.93	-71.73	-1.72	-1.48	-13.00	-61.93
573.20	-73.02	-69.15	-1.52	-2.35	-13.00	-60.02
662.44	-72.59	-68.52	-1.35	-2.72	-13.00	-59.59
1693.00	-59.52	-65.40	9.80	-3.92	-13.00	-46.52

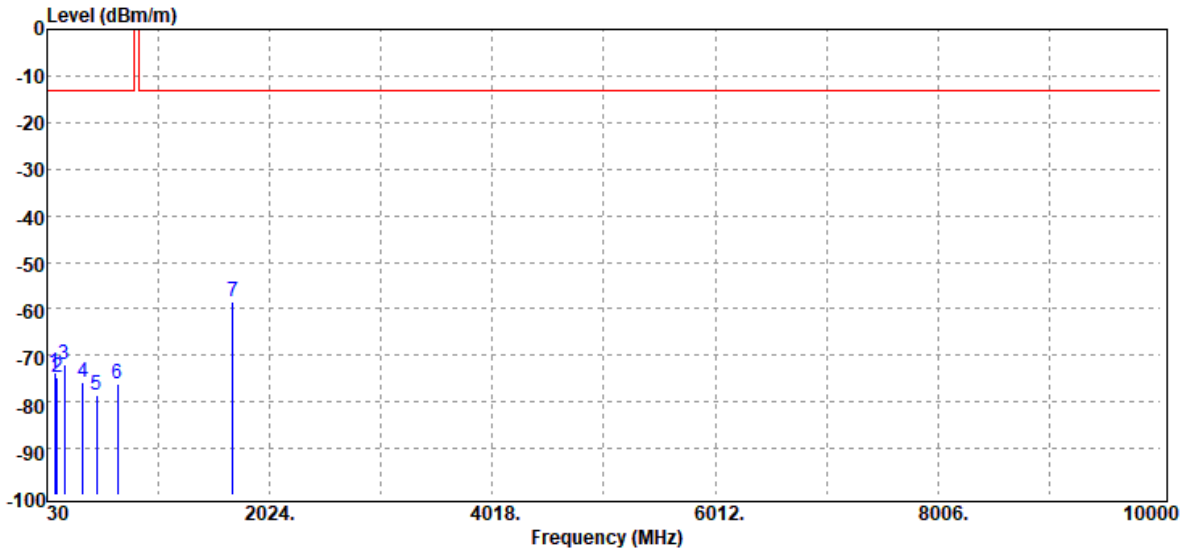
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B26
 Test Mode :Tx CH High
 EUT Pol :NB Plane
 Test Frequency :846.5 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
94.99	-73.65	-67.15	-5.57	-0.93	-13.00	-60.65
117.30	-74.91	-66.52	-7.34	-1.05	-13.00	-61.91
183.26	-72.03	-67.05	-3.74	-1.24	-13.00	-59.03
352.04	-75.81	-72.46	-1.54	-1.81	-13.00	-62.81
474.26	-78.54	-74.70	-1.79	-2.05	-13.00	-65.54
658.56	-76.25	-72.26	-1.33	-2.66	-13.00	-63.25
1693.00	-58.46	-64.34	9.80	-3.92	-13.00	-45.46

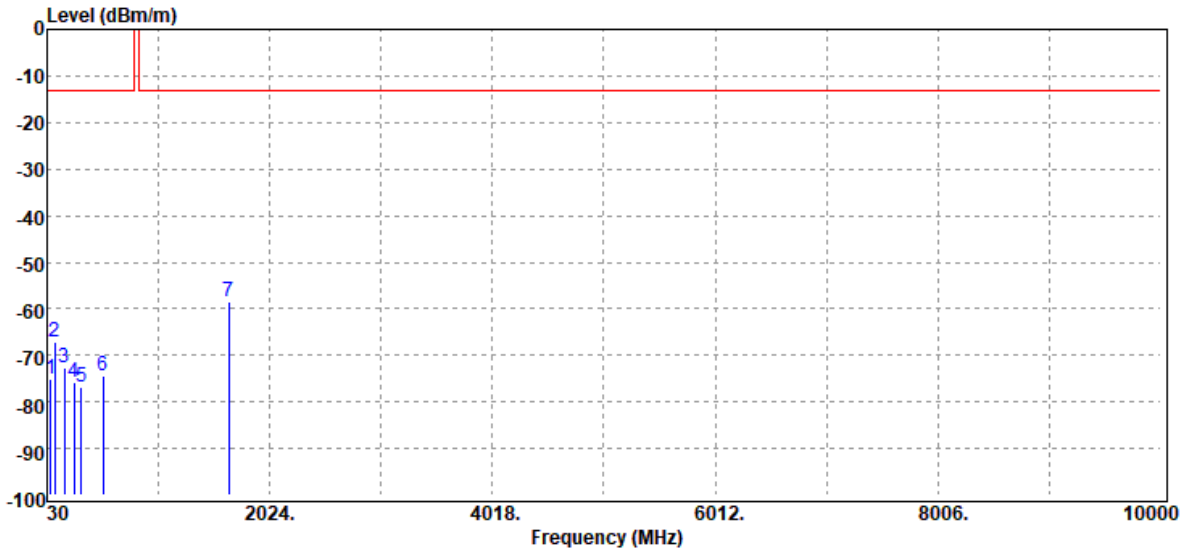
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B26
 Test Mode :Tx CH Low
 EUT Pol :NB Plane
 Test Frequency :829 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
59.10	-75.07	-59.16	-15.18	-0.73	-13.00	-62.07
99.84	-67.07	-60.11	-6.01	-0.95	-13.00	-54.07
182.29	-72.60	-67.56	-3.81	-1.23	-13.00	-59.60
272.50	-75.83	-72.53	-1.77	-1.53	-13.00	-62.83
333.61	-76.74	-73.25	-1.73	-1.76	-13.00	-63.74
531.49	-74.44	-71.25	-1.35	-1.84	-13.00	-61.44
1658.00	-58.45	-64.37	9.80	-3.88	-13.00	-45.45

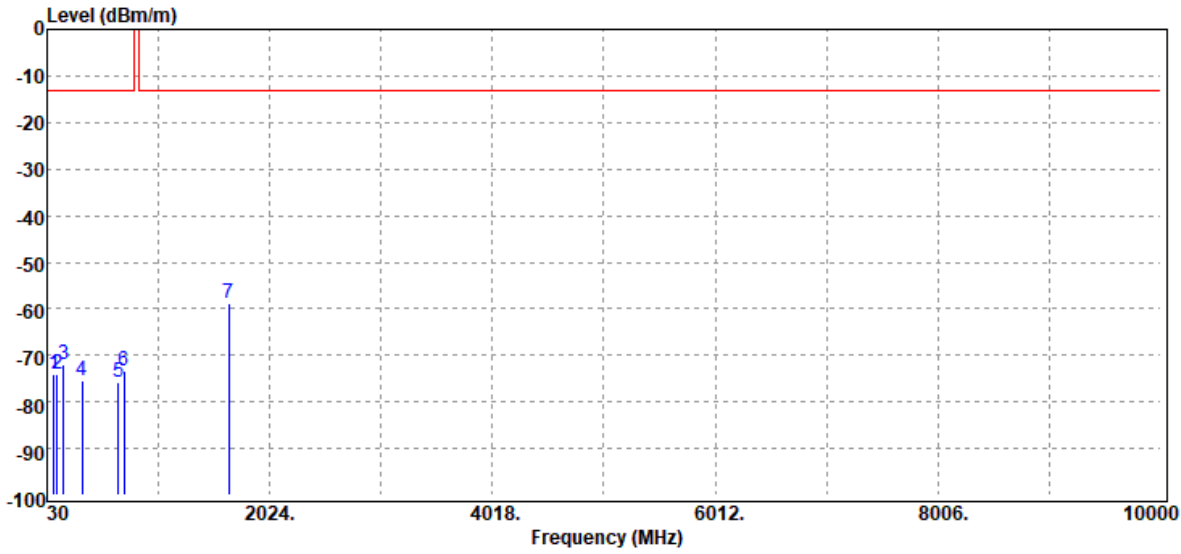
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B26
 Test Mode :Tx CH Low
 EUT Pol :NB Plane
 Test Frequency :829 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
90.14	-74.05	-67.34	-5.81	-0.90	-13.00	-61.05
117.30	-73.97	-65.58	-7.34	-1.05	-13.00	-60.97
177.44	-72.10	-66.31	-4.55	-1.24	-13.00	-59.10
347.19	-75.32	-71.92	-1.56	-1.84	-13.00	-62.32
667.29	-75.66	-71.45	-1.43	-2.78	-13.00	-62.66
719.67	-73.29	-69.46	-1.19	-2.64	-13.00	-60.29
1658.00	-58.98	-64.90	9.80	-3.88	-13.00	-45.98

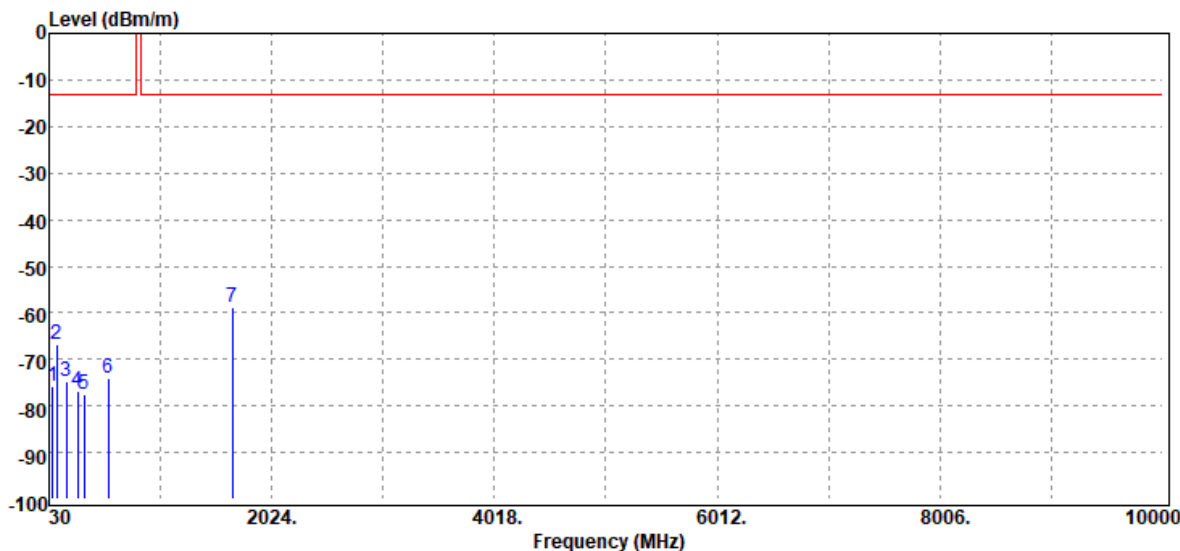
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
Operation Mode :LTE B26
Test Mode :Tx CH Mid
EUT Pol :NB Plane
Test Frequency :836.5 MHz

Test Site :SAC I Chamber
Test Date :2020-09-19
Temp./Humi. :22.5/63
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
59.10	-75.91	-60.00	-15.18	-0.73	-13.00	-62.91
97.90	-66.95	-60.22	-5.79	-0.94	-13.00	-53.95
187.14	-74.74	-70.21	-3.27	-1.26	-13.00	-61.74
285.11	-76.73	-73.31	-1.83	-1.59	-13.00	-63.73
342.34	-77.66	-74.16	-1.64	-1.86	-13.00	-64.66
561.56	-74.00	-70.35	-1.37	-2.28	-13.00	-61.00
1673.00	-58.90	-64.80	9.80	-3.90	-13.00	-45.90

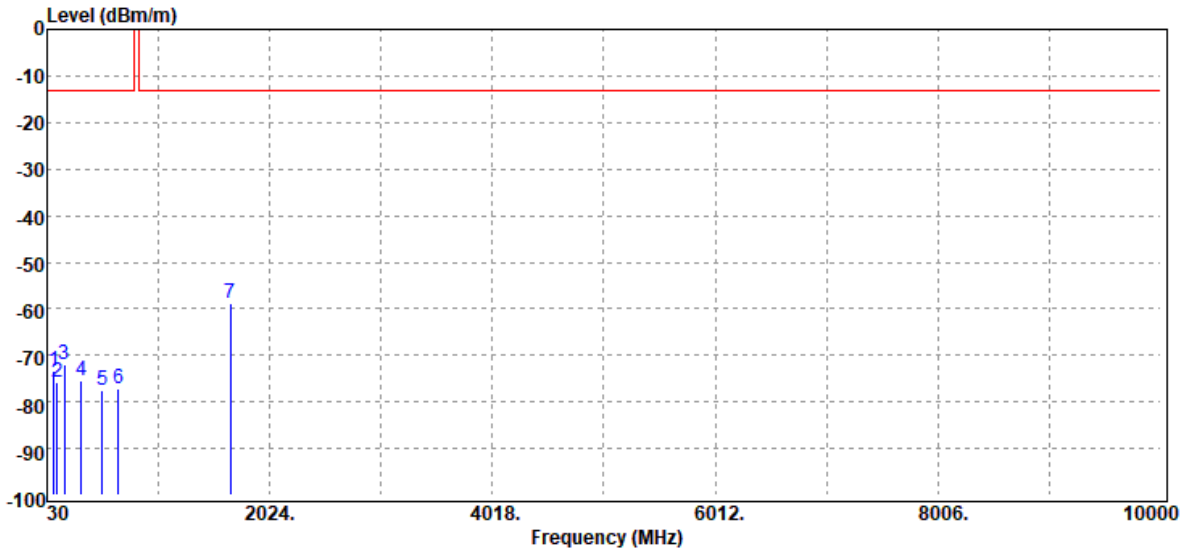
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B26
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane
 Test Frequency :836.5 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
90.14	-73.47	-66.76	-5.81	-0.90	-13.00	-60.47
119.24	-75.74	-67.36	-7.32	-1.06	-13.00	-62.74
183.26	-72.06	-67.08	-3.74	-1.24	-13.00	-59.06
338.46	-75.38	-71.83	-1.71	-1.84	-13.00	-62.38
527.61	-77.37	-74.13	-1.33	-1.91	-13.00	-64.37
665.35	-77.16	-73.02	-1.38	-2.76	-13.00	-64.16
1673.00	-58.77	-64.67	9.80	-3.90	-13.00	-45.77

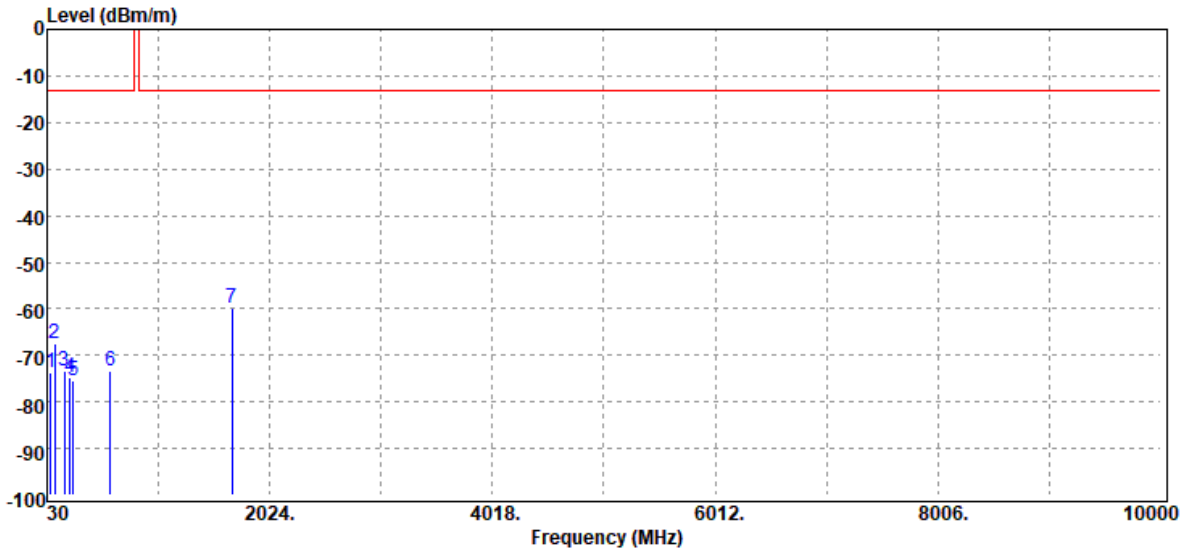
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B26
 Test Mode :Tx CH High
 EUT Pol :NB Plane
 Test Frequency :844 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-73.85	-58.49	-14.61	-0.75	-13.00	-60.85
97.90	-67.51	-60.78	-5.79	-0.94	-13.00	-54.51
188.11	-73.21	-68.82	-3.13	-1.26	-13.00	-60.21
238.55	-74.80	-71.61	-1.72	-1.47	-13.00	-61.80
260.86	-75.30	-72.14	-1.63	-1.53	-13.00	-62.30
597.45	-73.38	-69.17	-1.85	-2.36	-13.00	-60.38
1688.00	-59.71	-65.59	9.80	-3.92	-13.00	-46.71

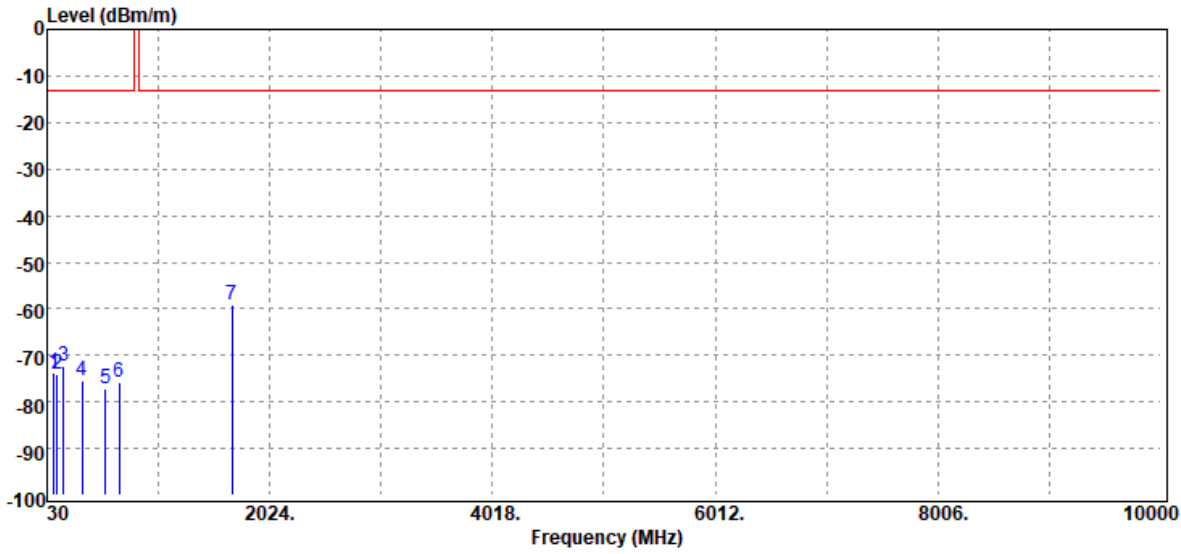
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
Operation Mode :LTE B26
Test Mode :Tx CH High
EUT Pol :NB Plane
Test Frequency :844 MHz

Test Site :SAC I Chamber
Test Date :2020-09-19
Temp./Humi. :22.5/63
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
90.14	-73.63	-66.92	-5.81	-0.90	-13.00	-60.63
117.30	-74.08	-65.69	-7.34	-1.05	-13.00	-61.08
178.41	-72.43	-66.74	-4.46	-1.23	-13.00	-59.43
347.19	-75.32	-71.92	-1.56	-1.84	-13.00	-62.32
550.89	-77.18	-73.73	-1.24	-2.21	-13.00	-64.18
675.05	-75.64	-71.63	-1.44	-2.57	-13.00	-62.64
1688.00	-59.11	-64.99	9.80	-3.92	-13.00	-46.11

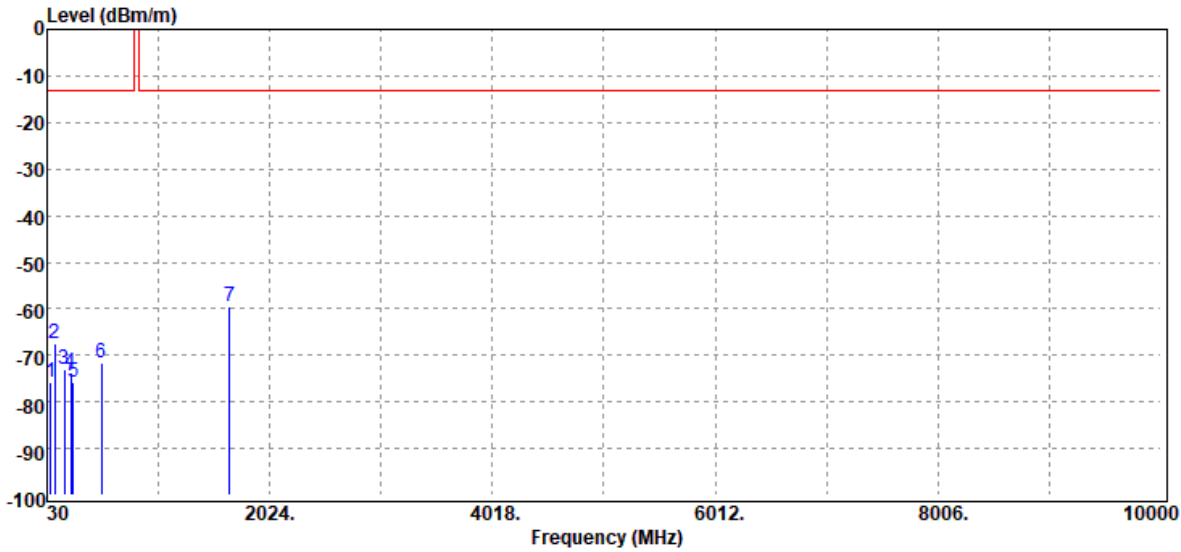
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B26
 Test Mode :Tx CH Low
 EUT Pol :NB Plane
 Test Frequency :831.5 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-75.87	-60.51	-14.61	-0.75	-13.00	-62.87
97.90	-67.59	-60.86	-5.79	-0.94	-13.00	-54.59
182.29	-73.12	-68.08	-3.81	-1.23	-13.00	-60.12
240.49	-73.87	-70.67	-1.72	-1.48	-13.00	-60.87
260.86	-75.82	-72.66	-1.63	-1.53	-13.00	-62.82
516.94	-71.66	-67.97	-1.46	-2.23	-13.00	-58.66
1663.00	-59.47	-65.39	9.80	-3.88	-13.00	-46.47

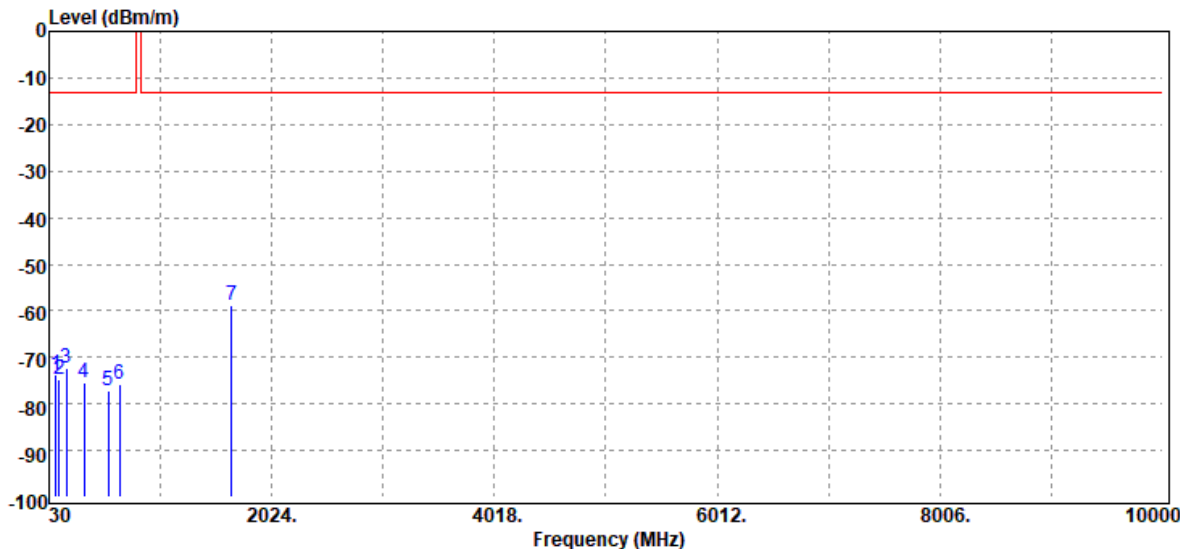
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
Operation Mode :LTE B26
Test Mode :Tx CH Low
EUT Pol :NB Plane
Test Frequency :831.5 MHz

Test Site :SAC I Chamber
Test Date :2020-09-19
Temp./Humi. :22.5/63
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
90.14	-73.61	-66.90	-5.81	-0.90	-13.00	-60.61
119.24	-74.59	-66.21	-7.32	-1.06	-13.00	-61.59
183.26	-72.17	-67.19	-3.74	-1.24	-13.00	-59.17
340.40	-75.42	-71.87	-1.69	-1.86	-13.00	-62.42
563.50	-77.28	-73.62	-1.38	-2.28	-13.00	-64.28
663.41	-75.85	-71.76	-1.36	-2.73	-13.00	-62.85
1663.00	-58.71	-64.63	9.80	-3.88	-13.00	-45.71

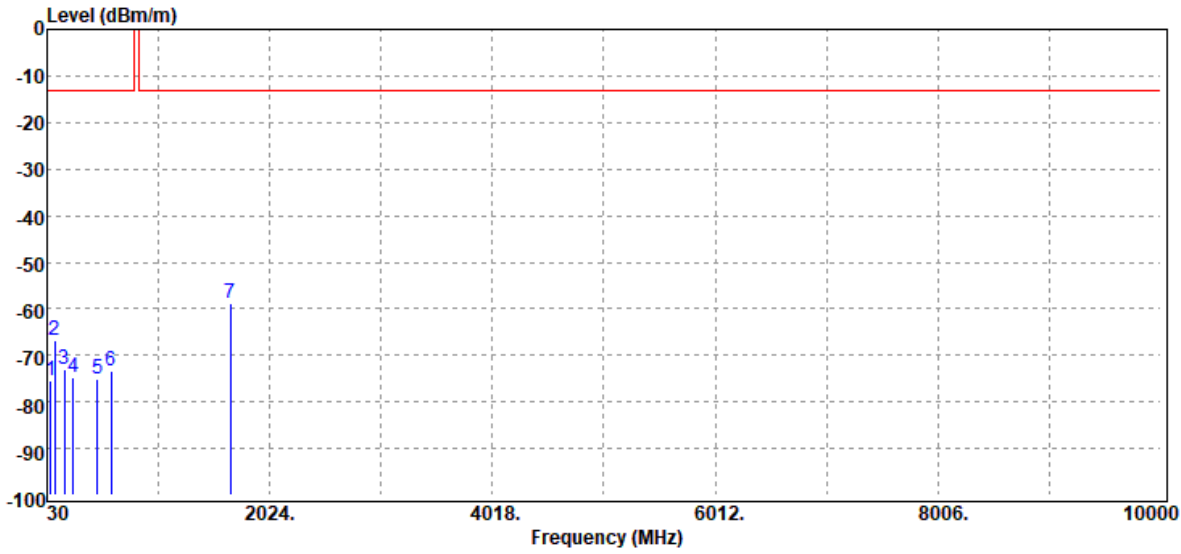
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B26
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane
 Test Frequency :836.5 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
59.10	-75.56	-59.65	-15.18	-0.73	-13.00	-62.56
99.84	-66.89	-59.93	-6.01	-0.95	-13.00	-53.89
185.20	-73.05	-68.33	-3.47	-1.25	-13.00	-60.05
260.86	-74.63	-71.47	-1.63	-1.53	-13.00	-61.63
483.96	-75.15	-71.42	-1.63	-2.10	-13.00	-62.15
604.24	-73.29	-69.26	-1.89	-2.14	-13.00	-60.29
1673.00	-58.81	-64.71	9.80	-3.90	-13.00	-45.81

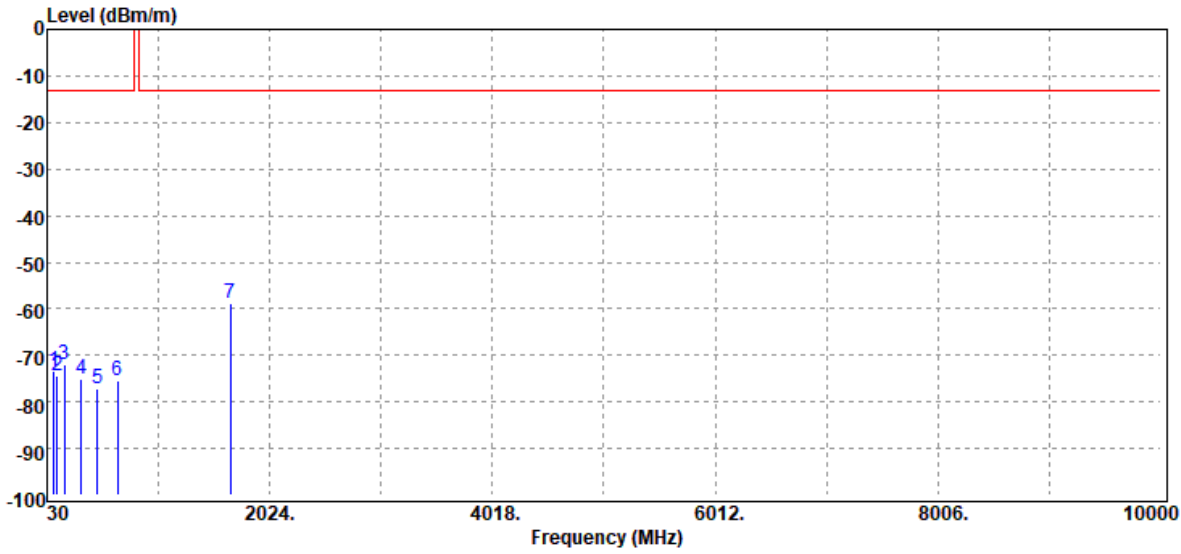
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B26
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane
 Test Frequency :836.5 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
90.14	-73.20	-66.49	-5.81	-0.90	-13.00	-60.20
118.27	-74.51	-66.15	-7.30	-1.06	-13.00	-61.51
182.29	-71.84	-66.80	-3.81	-1.23	-13.00	-58.84
335.55	-75.19	-71.68	-1.72	-1.79	-13.00	-62.19
482.99	-77.08	-73.33	-1.65	-2.10	-13.00	-64.08
662.44	-75.44	-71.37	-1.35	-2.72	-13.00	-62.44
1673.00	-58.85	-64.75	9.80	-3.90	-13.00	-45.85

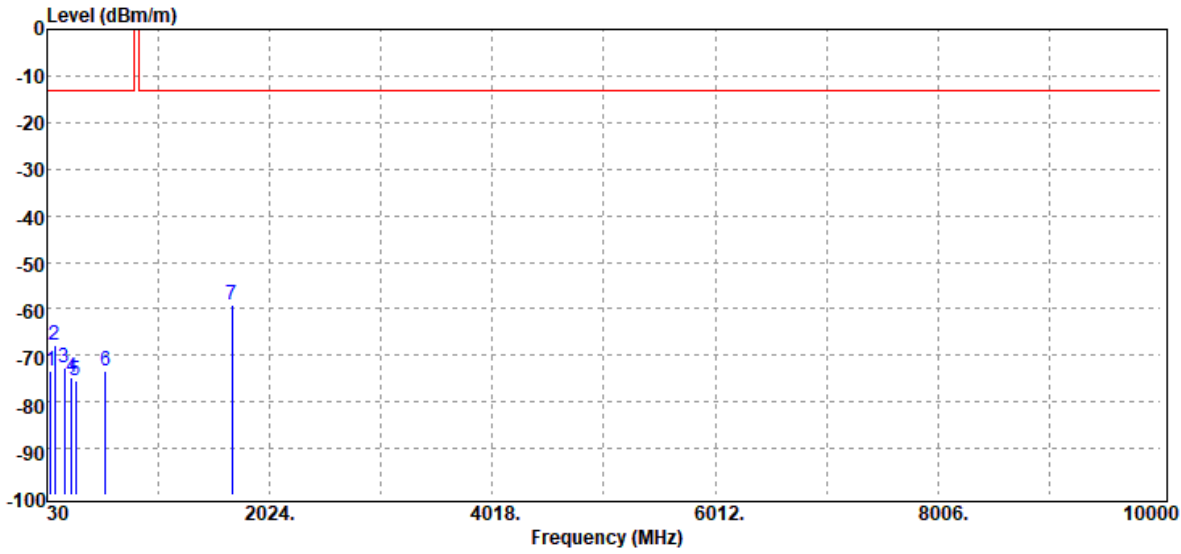
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B26
 Test Mode :Tx CH High
 EUT Pol :NB Plane
 Test Frequency :841.5 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-73.31	-57.95	-14.61	-0.75	-13.00	-60.31
99.84	-67.66	-60.70	-6.01	-0.95	-13.00	-54.66
183.26	-72.49	-67.51	-3.74	-1.24	-13.00	-59.49
253.10	-74.85	-71.71	-1.62	-1.52	-13.00	-61.85
285.11	-75.34	-71.92	-1.83	-1.59	-13.00	-62.34
551.86	-73.35	-69.87	-1.26	-2.22	-13.00	-60.35
1683.00	-59.21	-65.10	9.80	-3.91	-13.00	-46.21

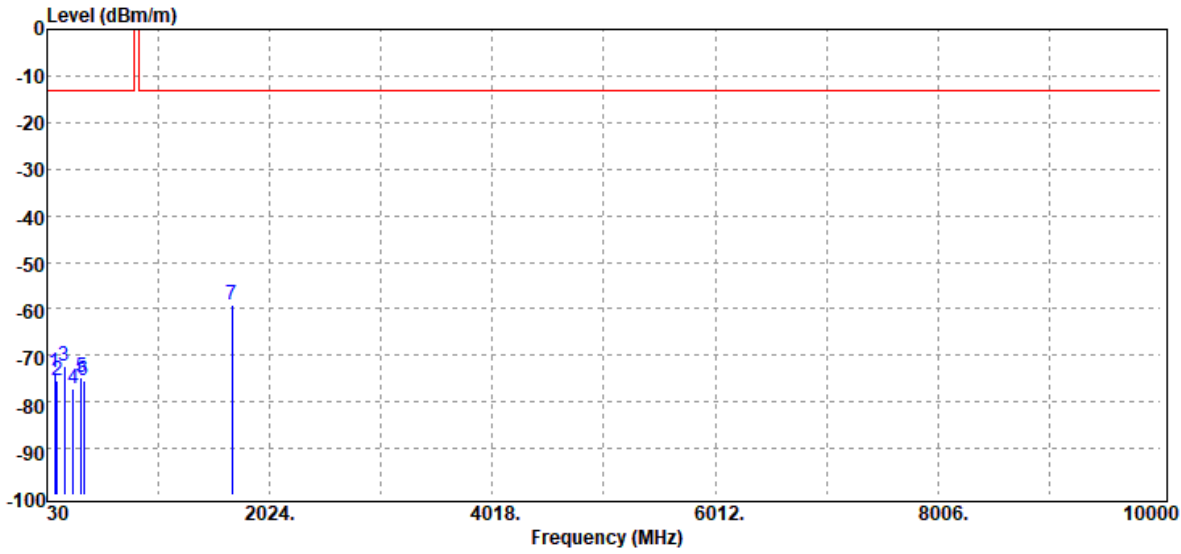
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B26
 Test Mode :Tx CH High
 EUT Pol :NB Plane
 Test Frequency :841.5 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
97.90	-73.79	-67.06	-5.79	-0.94	-13.00	-60.79
117.30	-75.48	-67.09	-7.34	-1.05	-13.00	-62.48
183.26	-72.22	-67.24	-3.74	-1.24	-13.00	-59.22
265.71	-77.26	-74.05	-1.68	-1.53	-13.00	-64.26
335.55	-74.75	-71.24	-1.72	-1.79	-13.00	-61.75
354.95	-75.31	-72.02	-1.52	-1.77	-13.00	-62.31
1683.00	-59.00	-64.89	9.80	-3.91	-13.00	-46.00

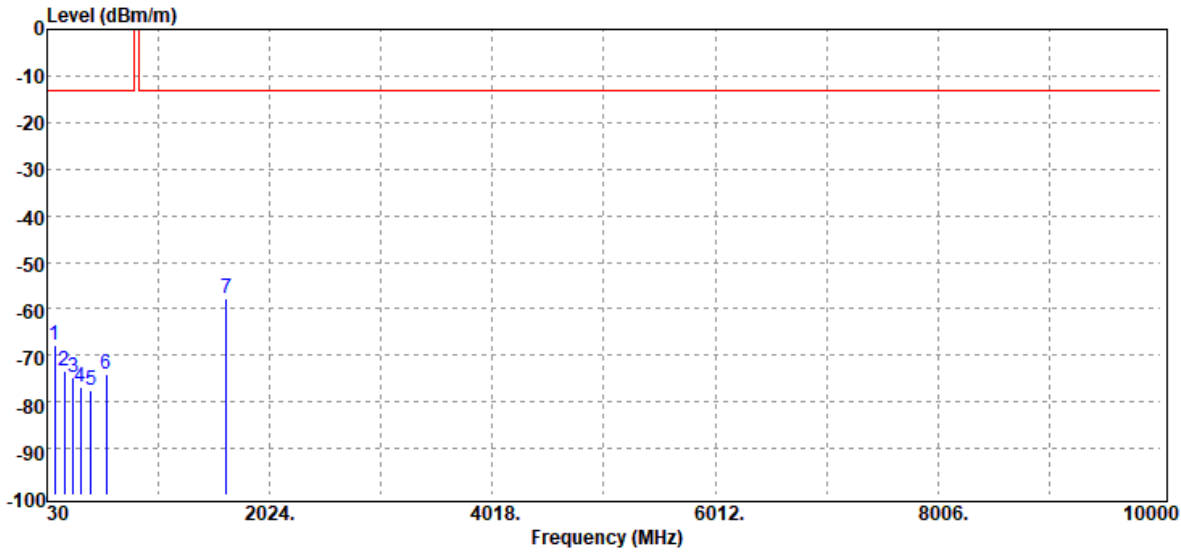
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
Operation Mode :LTE B26 Part90
Test Mode :Tx CH Low
EUT Pol :NB Plane
Test Frequency :816.5 MHz

Test Site :SAC I Chamber
Test Date :2020-09-19
Temp./Humi. :22.5/63
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
100.81	-67.87	-60.72	-6.20	-0.95	-13.00	-54.87
182.29	-73.40	-68.36	-3.81	-1.23	-13.00	-60.40
264.74	-74.72	-71.53	-1.66	-1.53	-13.00	-61.72
328.76	-76.76	-73.35	-1.72	-1.69	-13.00	-63.76
420.91	-77.41	-73.84	-1.48	-2.09	-13.00	-64.41
558.65	-73.88	-70.25	-1.36	-2.27	-13.00	-60.88
1633.00	-57.70	-63.53	9.67	-3.84	-13.00	-44.70

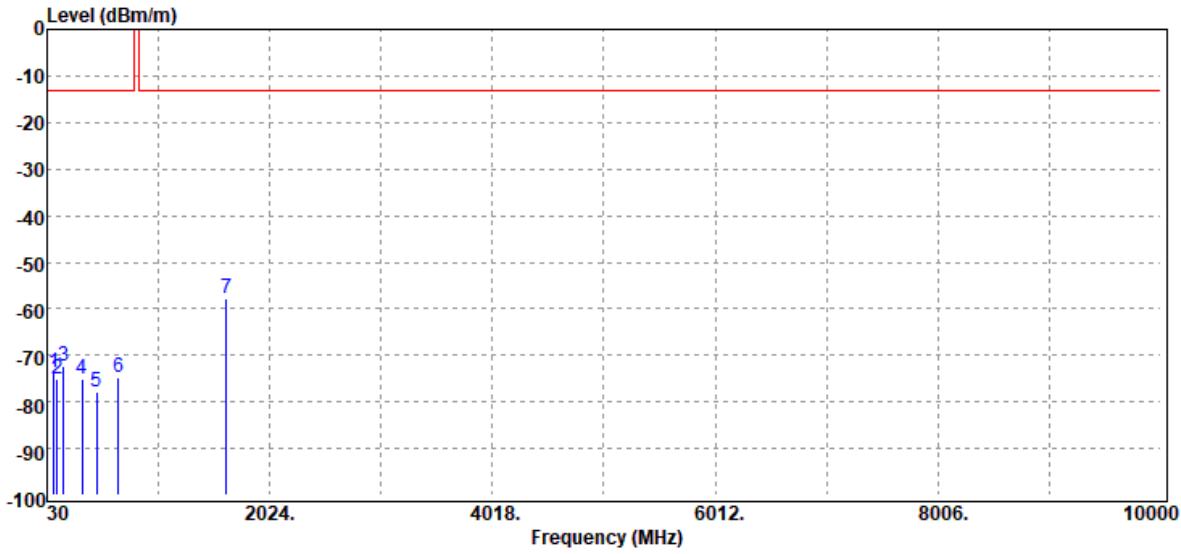
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
Operation Mode :LTE B26 Part90
Test Mode :Tx CH Low
EUT Pol :NB Plane
Test Frequency :816.5 MHz

Test Site :SAC I Chamber
Test Date :2020-09-19
Temp./Humi. :22.5/63
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
90.14	-73.82	-67.11	-5.81	-0.90	-13.00	-60.82
119.24	-74.94	-66.56	-7.32	-1.06	-13.00	-61.94
180.35	-72.34	-66.94	-4.17	-1.23	-13.00	-59.34
347.19	-75.09	-71.69	-1.56	-1.84	-13.00	-62.09
473.29	-77.89	-74.05	-1.79	-2.05	-13.00	-64.89
670.20	-74.84	-70.53	-1.50	-2.81	-13.00	-61.84
1633.00	-57.79	-63.62	9.67	-3.84	-13.00	-44.79

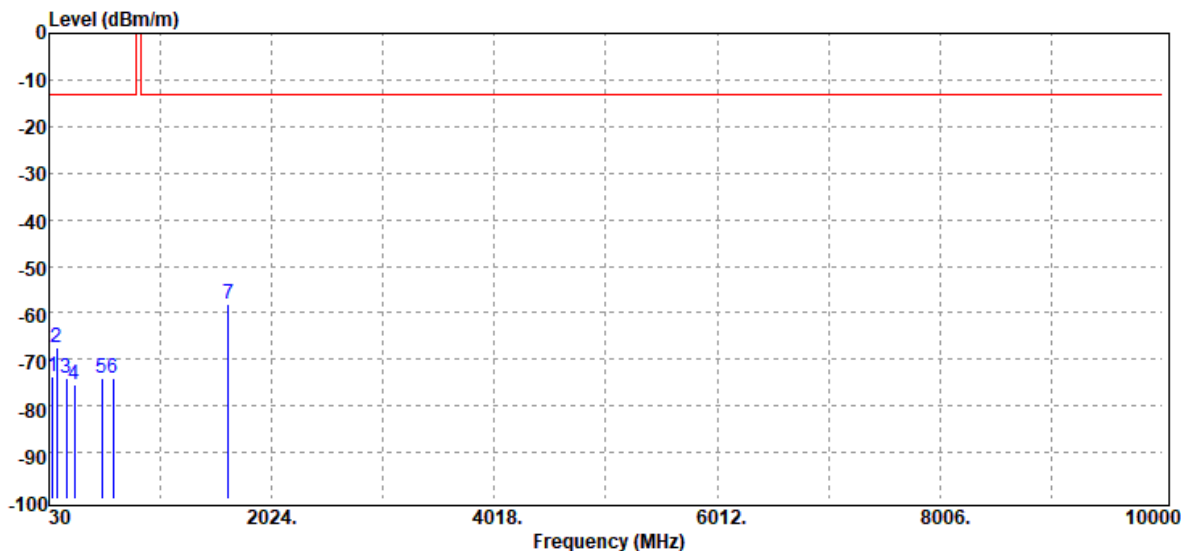
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
Operation Mode :LTE B26 Part90
Test Mode :Tx CH Mid
EUT Pol :NB Plane
Test Frequency :819 MHz

Test Site :SAC I Chamber
Test Date :2020-09-19
Temp./Humi. :22.5/63
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-73.60	-58.24	-14.61	-0.75	-13.00	-60.60
99.84	-67.57	-60.61	-6.01	-0.95	-13.00	-54.57
185.20	-73.90	-69.18	-3.47	-1.25	-13.00	-60.90
257.95	-75.29	-72.15	-1.61	-1.53	-13.00	-62.29
503.36	-74.16	-70.41	-1.46	-2.29	-13.00	-61.16
605.21	-74.09	-70.09	-1.89	-2.11	-13.00	-61.09
1638.00	-58.29	-64.15	9.71	-3.85	-13.00	-45.29

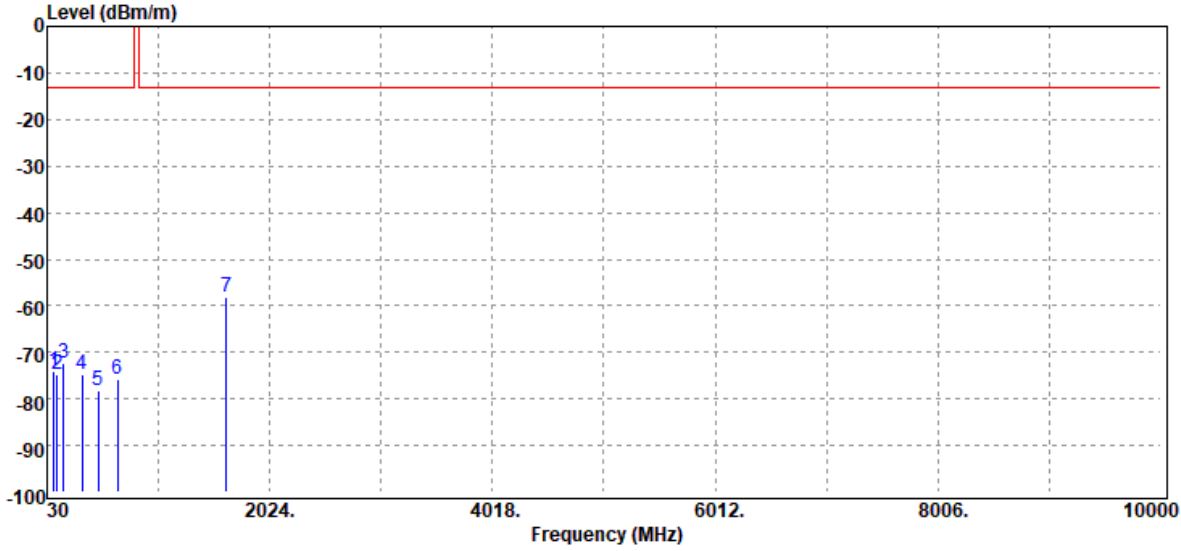
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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.

Report Number :ER/2020/80160
Operation Mode :LTE B26 Part90
Test Mode :Tx CH Mid
EUT Pol :NB Plane
Test Frequency :819 MHz

Test Site :SAC I Chamber
Test Date :2020-09-19
Temp./Humi. :22.5/63
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
91.11	-74.11	-67.56	-5.64	-0.91	-13.00	-61.11
118.27	-74.86	-66.50	-7.30	-1.06	-13.00	-61.86
180.35	-72.19	-66.79	-4.17	-1.23	-13.00	-59.19
345.25	-74.84	-71.42	-1.57	-1.85	-13.00	-61.84
487.84	-78.24	-74.52	-1.62	-2.10	-13.00	-65.24
658.56	-75.95	-71.96	-1.33	-2.66	-13.00	-62.95
1638.00	-58.00	-63.86	9.71	-3.85	-13.00	-45.00

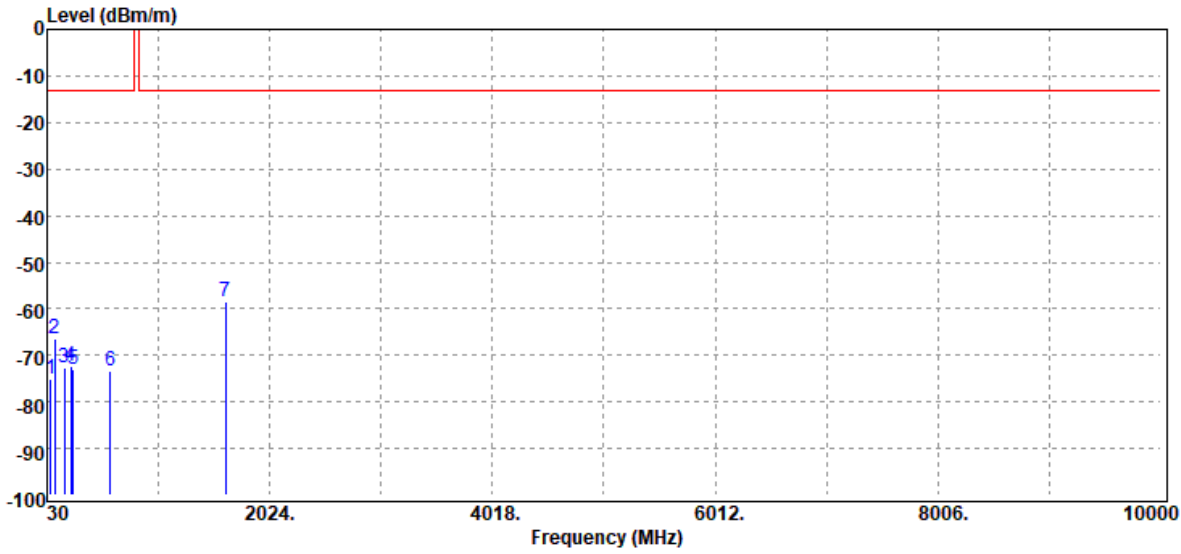
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
Operation Mode :LTE B26 Part90
Test Mode :Tx CH High
EUT Pol :NB Plane
Test Frequency :821.5 MHz

Test Site :SAC I Chamber
Test Date :2020-09-19
Temp./Humi. :22.5/63
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-75.20	-59.84	-14.61	-0.75	-13.00	-62.20
99.84	-66.38	-59.42	-6.01	-0.95	-13.00	-53.38
187.14	-72.79	-68.26	-3.27	-1.26	-13.00	-59.79
243.40	-72.32	-69.09	-1.74	-1.49	-13.00	-59.32
264.74	-73.08	-69.89	-1.66	-1.53	-13.00	-60.08
597.45	-73.24	-69.03	-1.85	-2.36	-13.00	-60.24
1625.00	-58.52	-64.29	9.60	-3.83	-13.00	-45.52

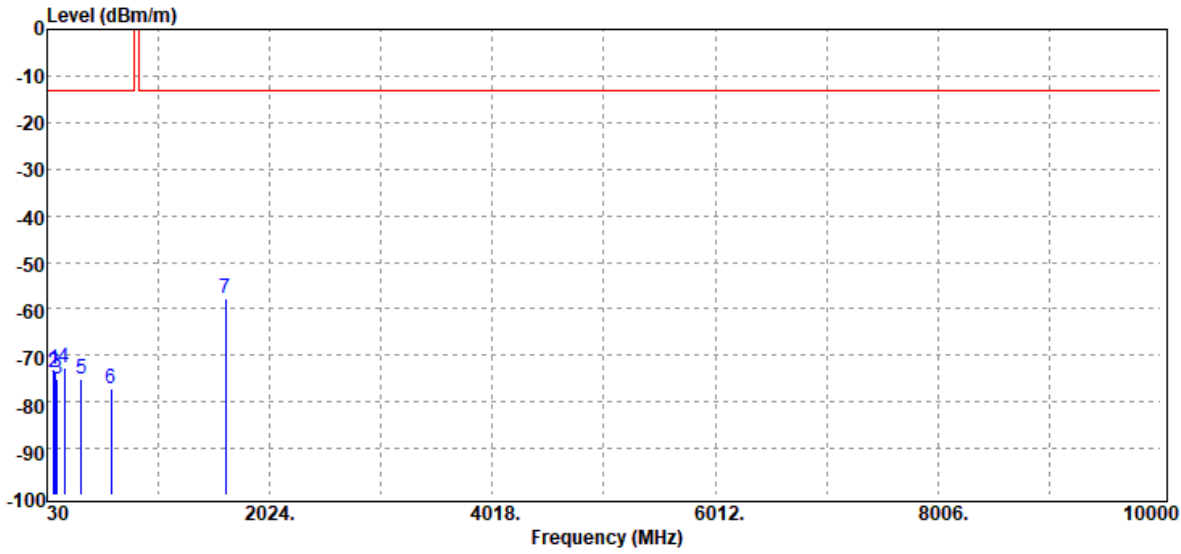
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
Operation Mode :LTE B26 Part90
Test Mode :Tx CH High
EUT Pol :NB Plane
Test Frequency :821.5 MHz

Test Site :SAC I Chamber
Test Date :2020-09-19
Temp./Humi. :22.5/63
Antenna Pol. :HORIZONTAL
Engineer :Neo



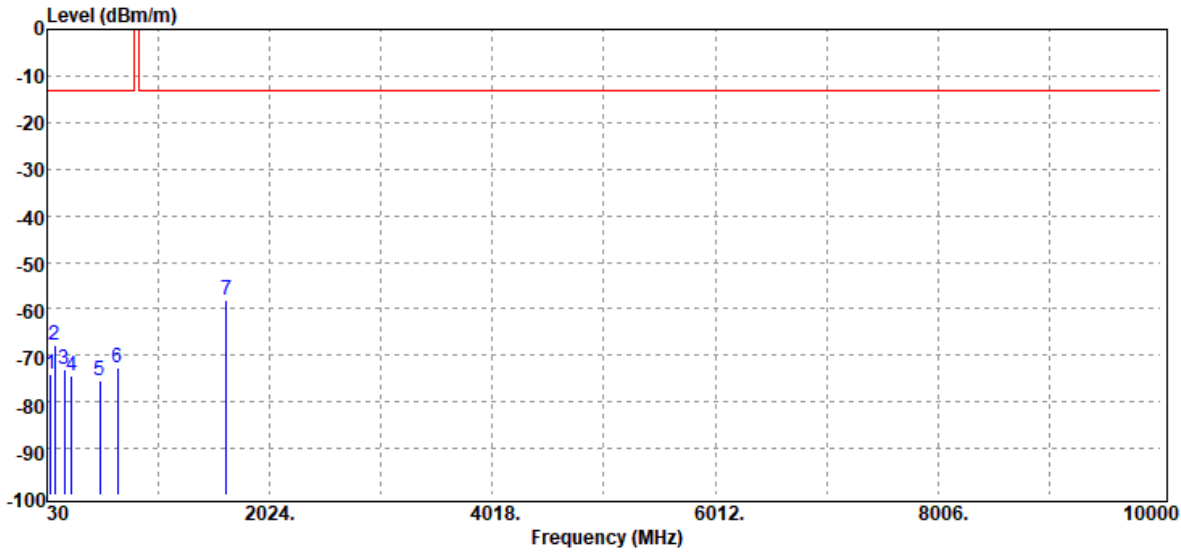
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
90.14	-73.12	-66.41	-5.81	-0.90	-13.00	-60.12
100.81	-73.57	-66.42	-6.20	-0.95	-13.00	-60.57
117.30	-75.05	-66.66	-7.34	-1.05	-13.00	-62.05
182.29	-72.77	-67.73	-3.81	-1.23	-13.00	-59.77
337.49	-75.16	-71.63	-1.71	-1.82	-13.00	-62.16
602.30	-77.01	-72.93	-1.88	-2.20	-13.00	-64.01
1625.00	-57.66	-63.43	9.60	-3.83	-13.00	-44.66

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.

Report Number	:ER/2020/80160	Test Site	:SAC I Chamber
Operation Mode	:LTE B26_10M Part90	Test Date	:2020-09-19
Test Mode	:Tx CH Mid	Temp./Humi.	:22.5/63
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:819 MHz	Engineer	:Neo



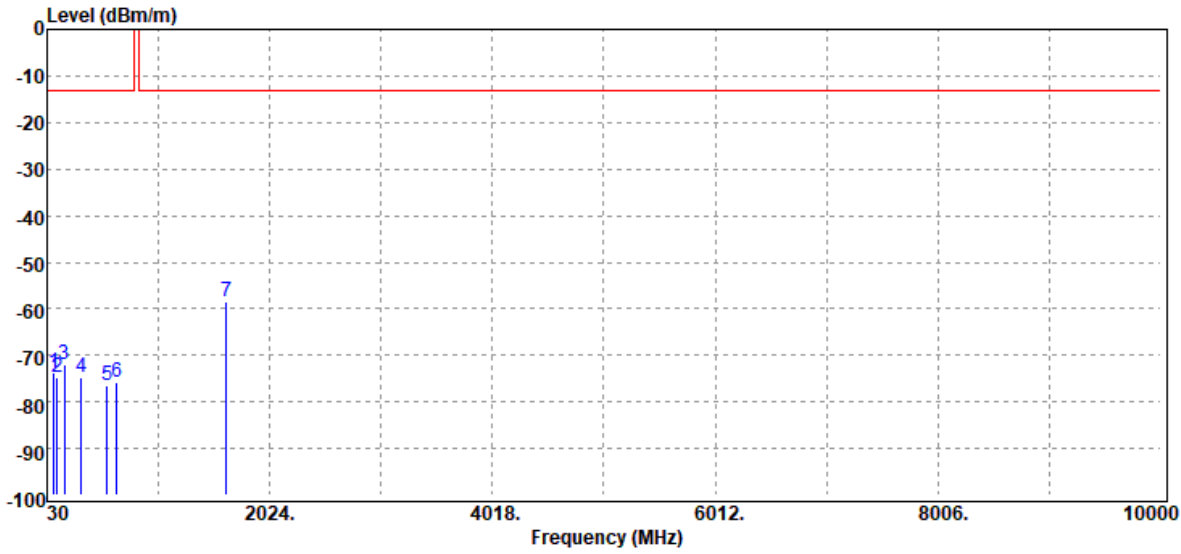
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-74.22	-58.86	-14.61	-0.75	-13.00	-61.22
97.90	-67.87	-61.14	-5.79	-0.94	-13.00	-54.87
185.20	-72.85	-68.13	-3.47	-1.25	-13.00	-59.85
253.10	-74.29	-71.15	-1.62	-1.52	-13.00	-61.29
502.39	-75.49	-71.76	-1.45	-2.28	-13.00	-62.49
658.56	-72.64	-68.65	-1.33	-2.66	-13.00	-59.64
1638.00	-58.03	-63.89	9.71	-3.85	-13.00	-45.03

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	:ER/2020/80160	Test Site	:SAC I Chamber
Operation Mode	:LTE B26_10M Part90	Test Date	:2020-09-19
Test Mode	:Tx CH Mid	Temp./Humi.	:22.5/63
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:819 MHz	Engineer	:Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
93.05	-73.56	-67.09	-5.55	-0.92	-13.00	-60.56
119.24	-74.90	-66.52	-7.32	-1.06	-13.00	-61.90
182.29	-71.99	-66.95	-3.81	-1.23	-13.00	-58.99
338.46	-74.87	-71.32	-1.71	-1.84	-13.00	-61.87
566.41	-76.42	-72.71	-1.42	-2.29	-13.00	-63.42
657.59	-75.92	-71.96	-1.32	-2.64	-13.00	-62.92
1638.00	-58.31	-64.17	9.71	-3.85	-13.00	-45.31

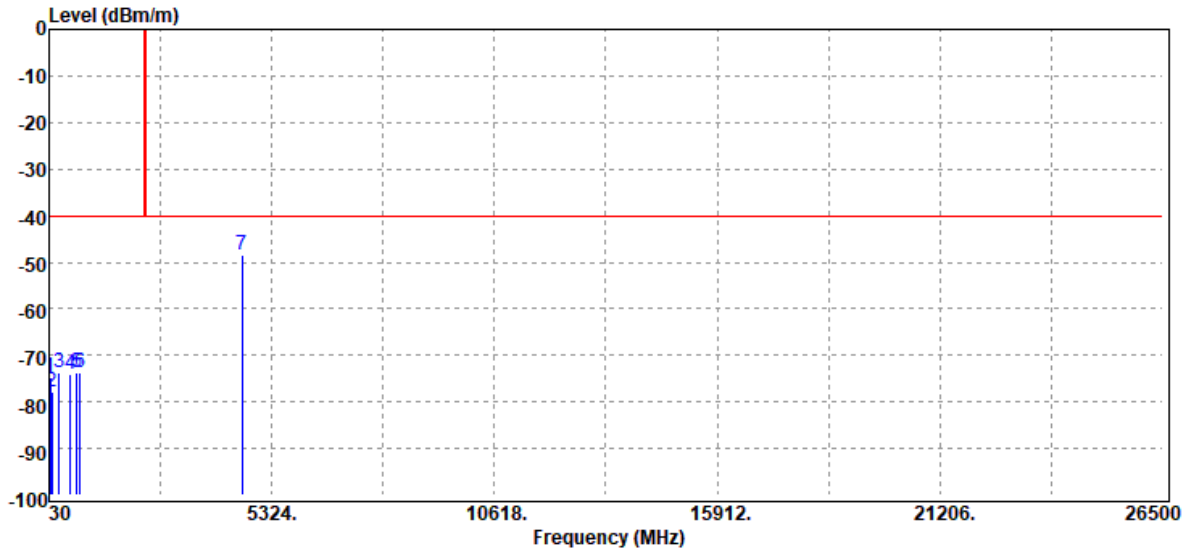
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
Operation Mode :LTE B30
Test Mode :Tx CH Low
EUT Pol :NB Plane
Test Frequency :2307.5 MHz

Test Site :SAC I Chamber
Test Date :2020-09-19
Temp./Humi. :22.5/63
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-74.89	-59.53	-14.61	-0.75	-40.00	-34.89
99.84	-77.98	-71.02	-6.01	-0.95	-40.00	-37.98
274.44	-73.63	-70.34	-1.75	-1.54	-40.00	-33.63
544.10	-73.89	-70.64	-1.21	-2.04	-40.00	-33.89
686.69	-73.66	-70.09	-1.43	-2.14	-40.00	-33.66
770.11	-73.77	-69.62	-1.99	-2.16	-40.00	-33.77
4615.00	-48.49	-54.50	12.67	-6.66	-40.00	-8.49

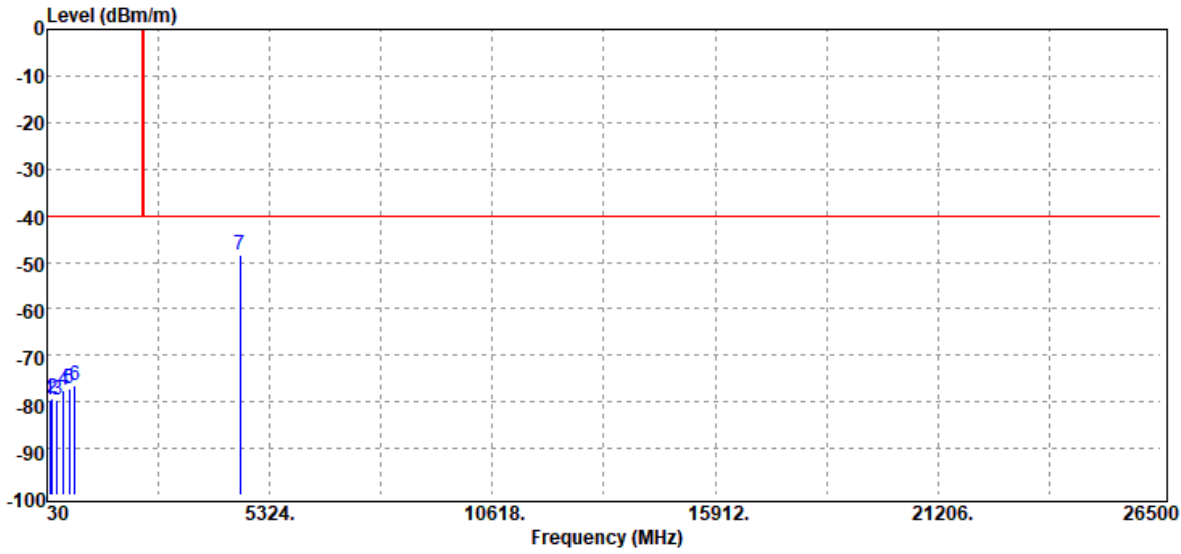
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B30
 Test Mode :Tx CH Low
 EUT Pol :NB Plane
 Test Frequency :2307.5 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
94.99	-79.46	-72.96	-5.57	-0.93	-40.00	-39.46
156.10	-79.21	-70.83	-7.17	-1.21	-40.00	-39.21
272.50	-79.65	-76.35	-1.77	-1.53	-40.00	-39.65
424.79	-77.62	-73.94	-1.55	-2.13	-40.00	-37.62
548.95	-77.19	-73.80	-1.22	-2.17	-40.00	-37.19
681.84	-76.59	-72.86	-1.45	-2.28	-40.00	-36.59
4615.00	-48.41	-54.42	12.67	-6.66	-40.00	-8.41

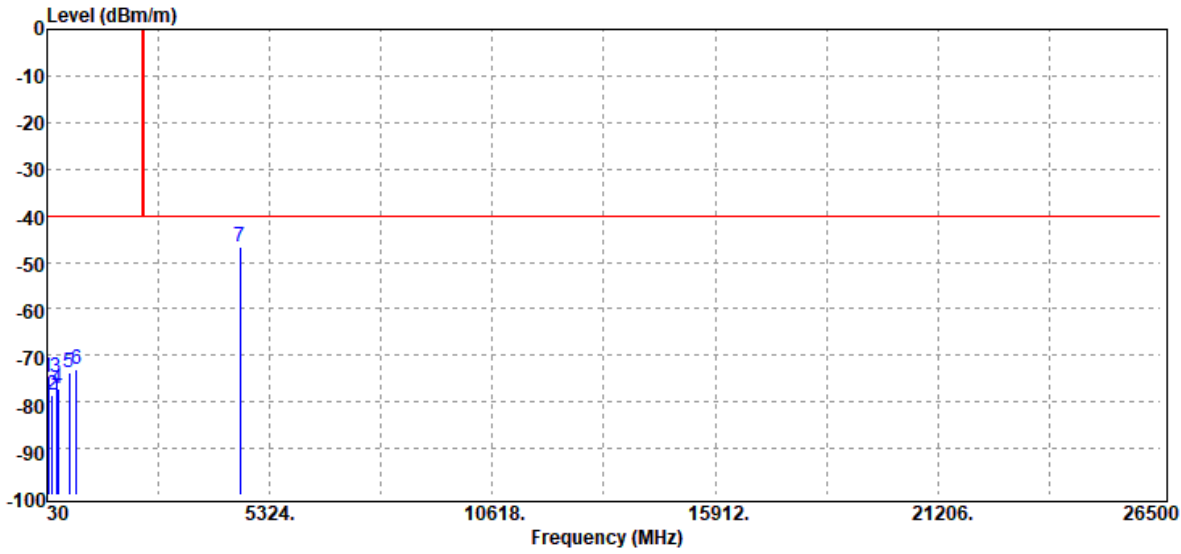
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B30
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane
 Test Frequency :2310 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-74.72	-59.36	-14.61	-0.75	-40.00	-34.72
156.10	-78.69	-70.31	-7.17	-1.21	-40.00	-38.69
253.10	-74.79	-71.65	-1.62	-1.52	-40.00	-34.79
287.05	-77.01	-73.60	-1.81	-1.60	-40.00	-37.01
553.80	-73.73	-70.19	-1.31	-2.23	-40.00	-33.73
730.34	-72.92	-68.79	-1.47	-2.66	-40.00	-32.92
4620.00	-46.85	-52.85	12.66	-6.66	-40.00	-6.85

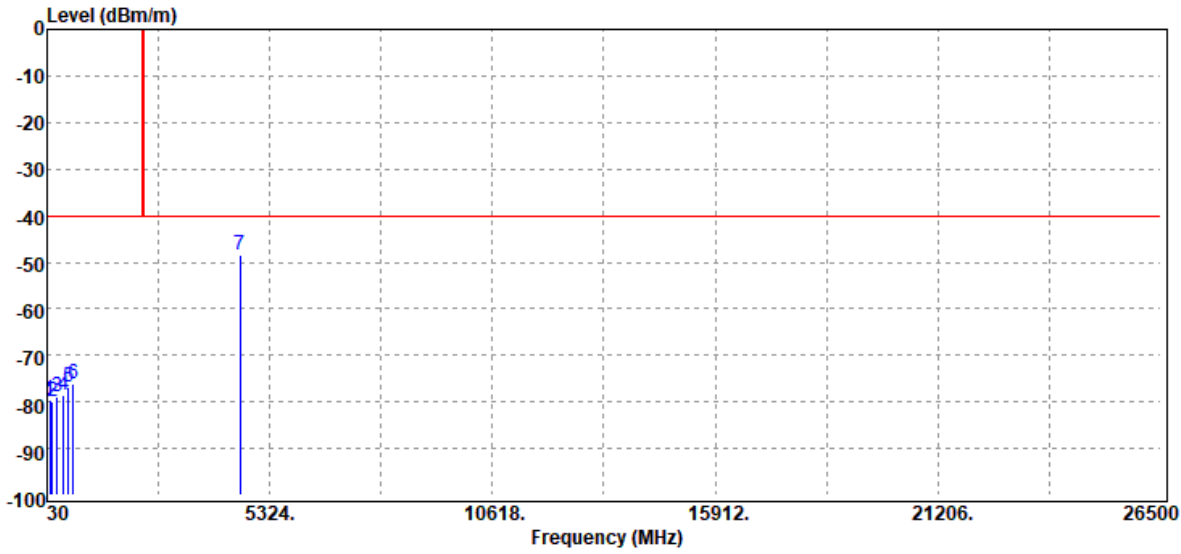
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B30
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane
 Test Frequency :2310 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
99.84	-79.75	-72.79	-6.01	-0.95	-40.00	-39.75
154.16	-79.91	-71.42	-7.27	-1.22	-40.00	-39.91
272.50	-78.88	-75.58	-1.77	-1.53	-40.00	-38.88
420.91	-78.52	-74.95	-1.48	-2.09	-40.00	-38.52
544.10	-76.71	-73.46	-1.21	-2.04	-40.00	-36.71
657.59	-76.13	-72.17	-1.32	-2.64	-40.00	-36.13
4620.00	-48.46	-54.46	12.66	-6.66	-40.00	-8.46

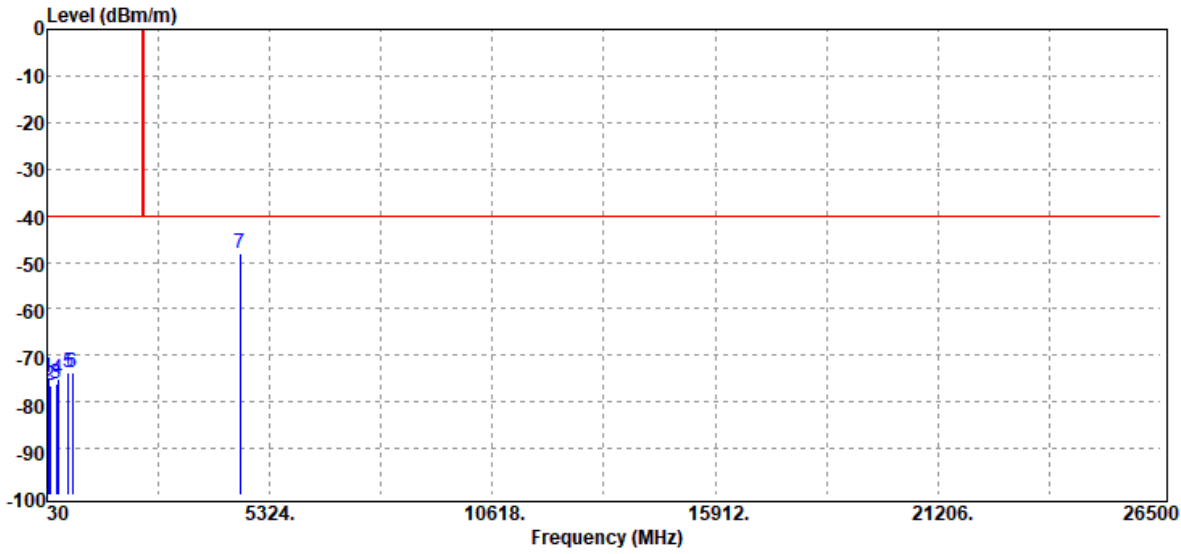
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B30
 Test Mode :Tx CH High
 EUT Pol :NB Plane
 Test Frequency :2312.5 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
62.01	-74.63	-59.49	-14.38	-0.76	-40.00	-34.63
99.84	-76.48	-69.52	-6.01	-0.95	-40.00	-36.48
253.10	-76.26	-73.12	-1.62	-1.52	-40.00	-36.26
287.05	-75.02	-71.61	-1.81	-1.60	-40.00	-35.02
542.16	-73.76	-70.53	-1.24	-1.99	-40.00	-33.76
636.25	-73.53	-69.62	-1.48	-2.43	-40.00	-33.53
4625.00	-48.06	-54.05	12.65	-6.66	-40.00	-8.06

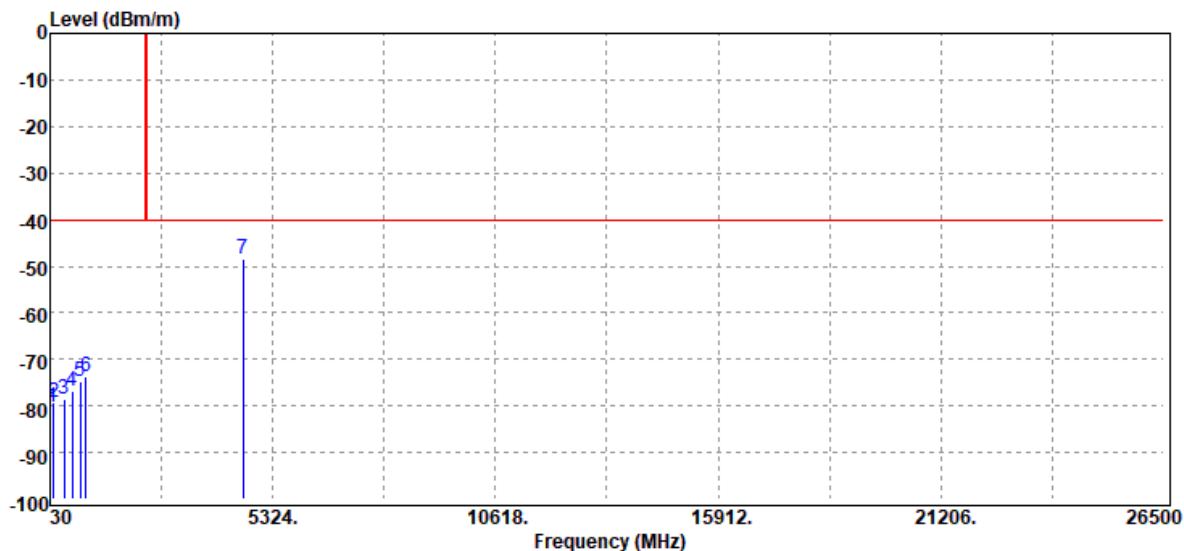
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B30
 Test Mode :Tx CH High
 EUT Pol :NB Plane
 Test Frequency :2312.5 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
93.05	-80.23	-73.76	-5.55	-0.92	-40.00	-40.23
124.09	-79.32	-70.83	-7.46	-1.03	-40.00	-39.32
357.86	-78.40	-75.16	-1.51	-1.73	-40.00	-38.40
565.44	-76.86	-73.17	-1.40	-2.29	-40.00	-36.86
747.80	-74.82	-70.18	-1.75	-2.89	-40.00	-34.82
890.39	-73.81	-69.41	-1.45	-2.95	-40.00	-33.81
4625.00	-48.36	-54.35	12.65	-6.66	-40.00	-8.36

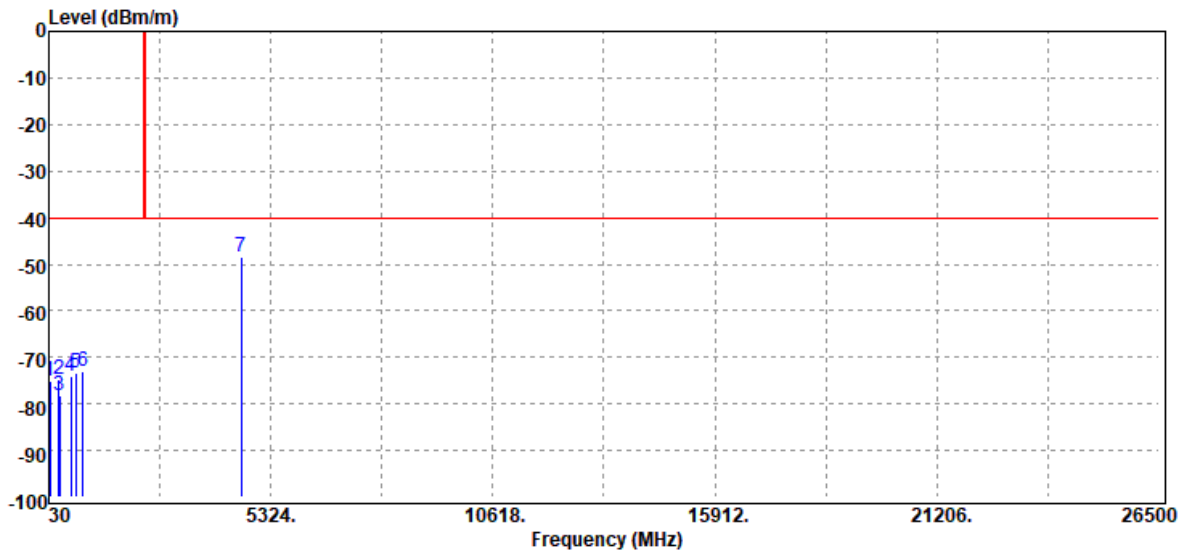
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
Operation Mode :LTE B30_10M
Test Mode :Tx CH Mid
EUT Pol :NB Plane
Test Frequency :2310 MHz

Test Site :SAC I Chamber
Test Date :2020-09-19
Temp./Humi. :22.5/63
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
62.01	-74.92	-59.78	-14.38	-0.76	-40.00	-34.92
272.50	-74.88	-71.58	-1.77	-1.53	-40.00	-34.88
285.11	-78.18	-74.76	-1.83	-1.59	-40.00	-38.18
555.74	-73.94	-70.35	-1.34	-2.25	-40.00	-33.94
679.90	-73.29	-69.47	-1.48	-2.34	-40.00	-33.29
842.86	-72.96	-68.61	-1.61	-2.74	-40.00	-32.96
4620.00	-48.61	-54.61	12.66	-6.66	-40.00	-8.61

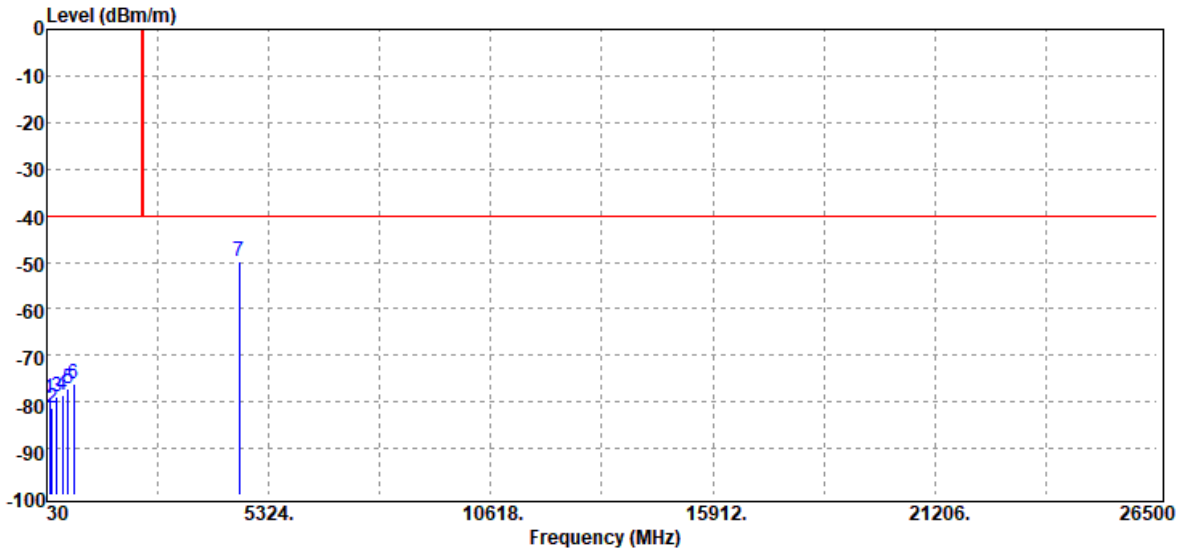
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
Operation Mode :LTE B30_10M
Test Mode :Tx CH Mid
EUT Pol :NB Plane
Test Frequency :2310 MHz

Test Site :SAC I Chamber
Test Date :2020-09-19
Temp./Humi. :22.5/63
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
95.96	-79.38	-72.87	-5.58	-0.93	-40.00	-39.38
151.25	-81.19	-72.54	-7.43	-1.22	-40.00	-41.19
259.89	-78.80	-75.64	-1.63	-1.53	-40.00	-38.80
411.21	-78.47	-75.18	-1.39	-1.90	-40.00	-38.47
542.16	-77.08	-73.85	-1.24	-1.99	-40.00	-37.08
663.41	-76.16	-72.07	-1.36	-2.73	-40.00	-36.16
4620.00	-49.73	-55.73	12.66	-6.66	-40.00	-9.73

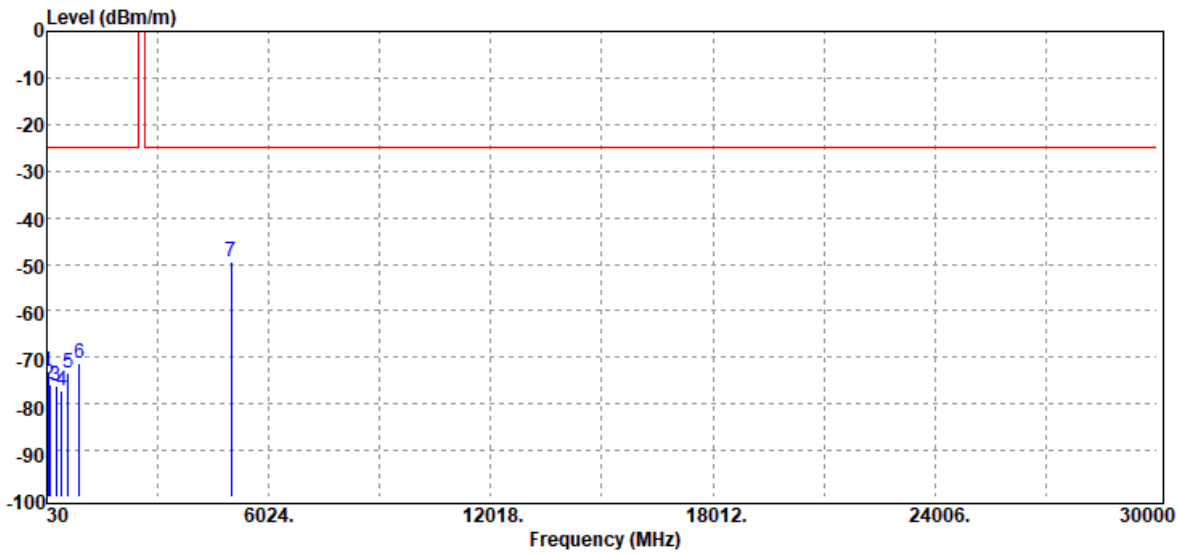
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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.

Report Number :ER/2020/80160
 Operation Mode :LTE B41
 Test Mode :Tx CH Low
 EUT Pol :NB Plane
 Test Frequency :2506 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-73.17	-57.81	-14.61	-0.75	-25.00	-48.17
109.54	-75.90	-67.81	-7.09	-1.00	-25.00	-50.90
274.44	-76.06	-72.77	-1.75	-1.54	-25.00	-51.06
420.91	-77.14	-73.57	-1.48	-2.09	-25.00	-52.14
599.39	-73.52	-69.37	-1.86	-2.29	-25.00	-48.52
901.06	-71.41	-66.77	-1.65	-2.99	-25.00	-46.41
5012.00	-49.31	-55.13	12.68	-6.86	-25.00	-24.31

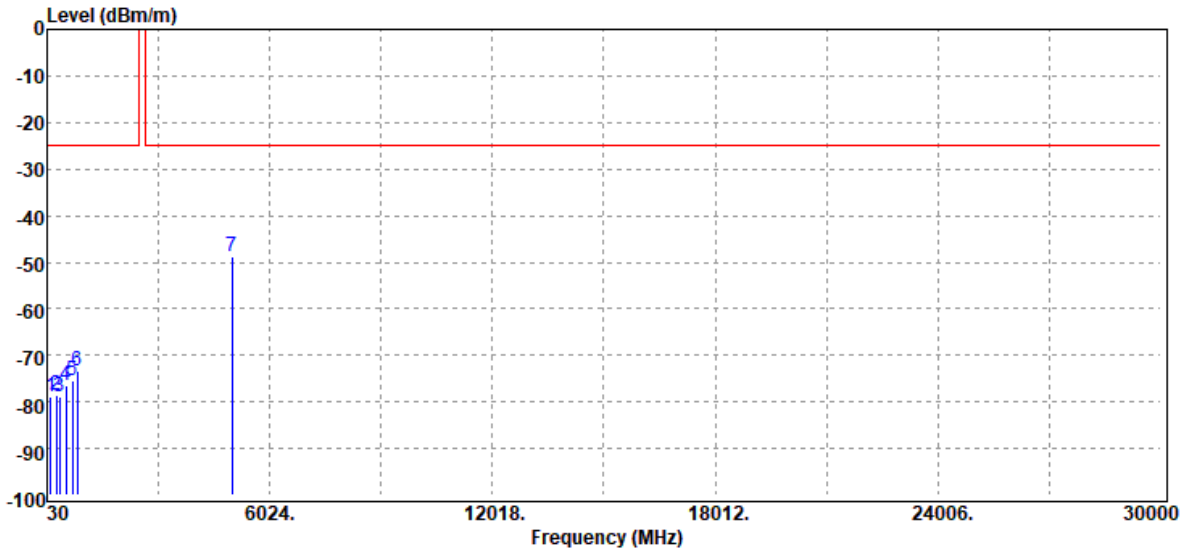
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B41
 Test Mode :Tx CH Low
 EUT Pol :NB Plane
 Test Frequency :2506 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
124.09	-78.78	-70.29	-7.46	-1.03	-25.00	-53.78
274.44	-78.52	-75.23	-1.75	-1.54	-25.00	-53.52
356.89	-78.94	-75.69	-1.51	-1.74	-25.00	-53.94
536.34	-76.52	-73.29	-1.34	-1.89	-25.00	-51.52
716.76	-75.43	-71.56	-1.28	-2.59	-25.00	-50.43
842.86	-73.31	-68.96	-1.61	-2.74	-25.00	-48.31
5012.00	-48.71	-54.53	12.68	-6.86	-25.00	-23.71

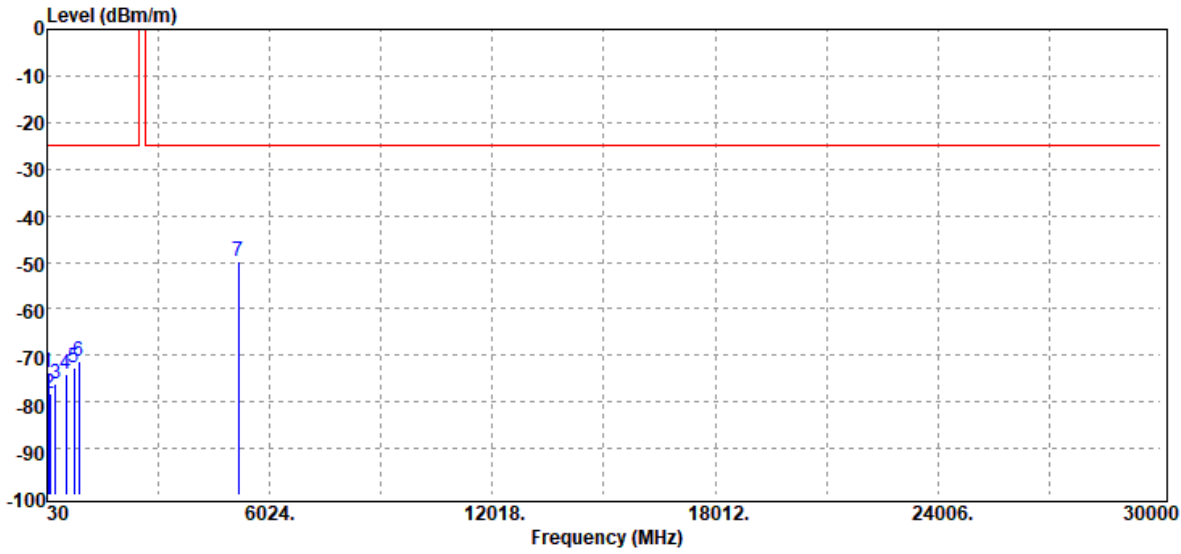
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B41
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane
 Test Frequency :2593 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-73.61	-58.25	-14.61	-0.75	-25.00	-48.61
99.84	-78.16	-71.20	-6.01	-0.95	-25.00	-53.16
267.65	-76.03	-72.76	-1.74	-1.53	-25.00	-51.03
547.01	-74.07	-70.74	-1.21	-2.12	-25.00	-49.07
760.41	-72.57	-68.12	-1.81	-2.64	-25.00	-47.57
890.39	-71.38	-66.98	-1.45	-2.95	-25.00	-46.38
5186.00	-49.91	-55.72	12.92	-7.11	-25.00	-24.91

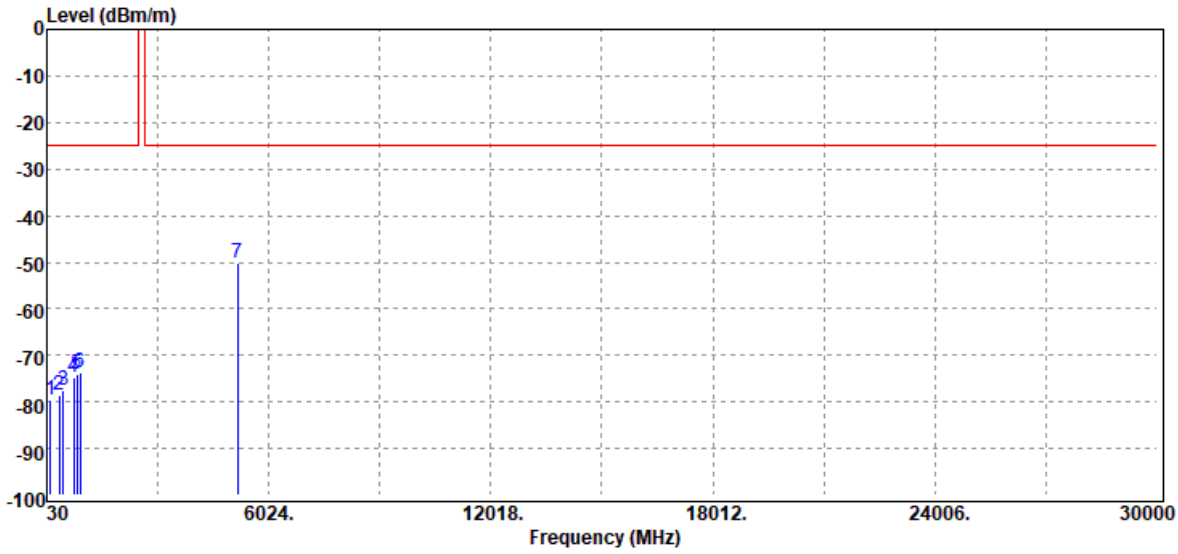
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B41
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane
 Test Frequency :2593 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
124.09	-79.61	-71.12	-7.46	-1.03	-25.00	-54.61
357.86	-78.42	-75.18	-1.51	-1.73	-25.00	-53.42
482.99	-77.41	-73.66	-1.65	-2.10	-25.00	-52.41
747.80	-74.77	-70.13	-1.75	-2.89	-25.00	-49.77
837.04	-74.01	-69.36	-1.73	-2.92	-25.00	-49.01
922.40	-73.86	-69.14	-1.88	-2.84	-25.00	-48.86
5186.00	-50.11	-55.92	12.92	-7.11	-25.00	-25.11

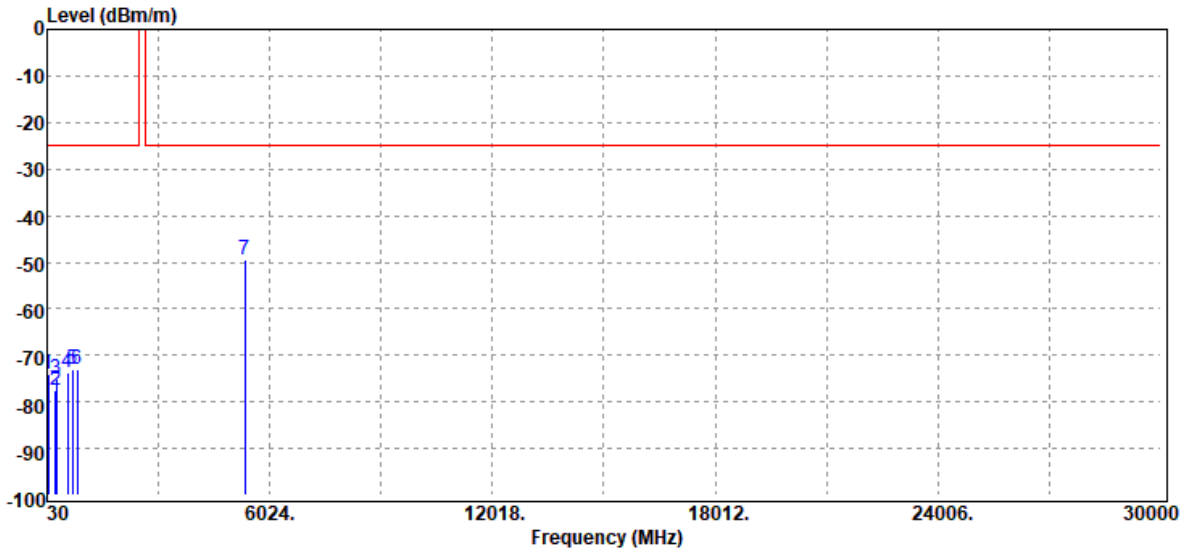
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B41
 Test Mode :Tx CH High
 EUT Pol :NB Plane
 Test Frequency :2680 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-74.14	-58.78	-14.61	-0.75	-25.00	-49.14
250.19	-77.35	-74.16	-1.67	-1.52	-25.00	-52.35
272.50	-75.15	-71.85	-1.77	-1.53	-25.00	-50.15
576.11	-73.57	-69.61	-1.56	-2.40	-25.00	-48.57
709.00	-73.05	-69.18	-1.41	-2.46	-25.00	-48.05
849.65	-72.88	-68.95	-1.54	-2.39	-25.00	-47.88
5360.00	-49.37	-55.81	13.48	-7.04	-25.00	-24.37

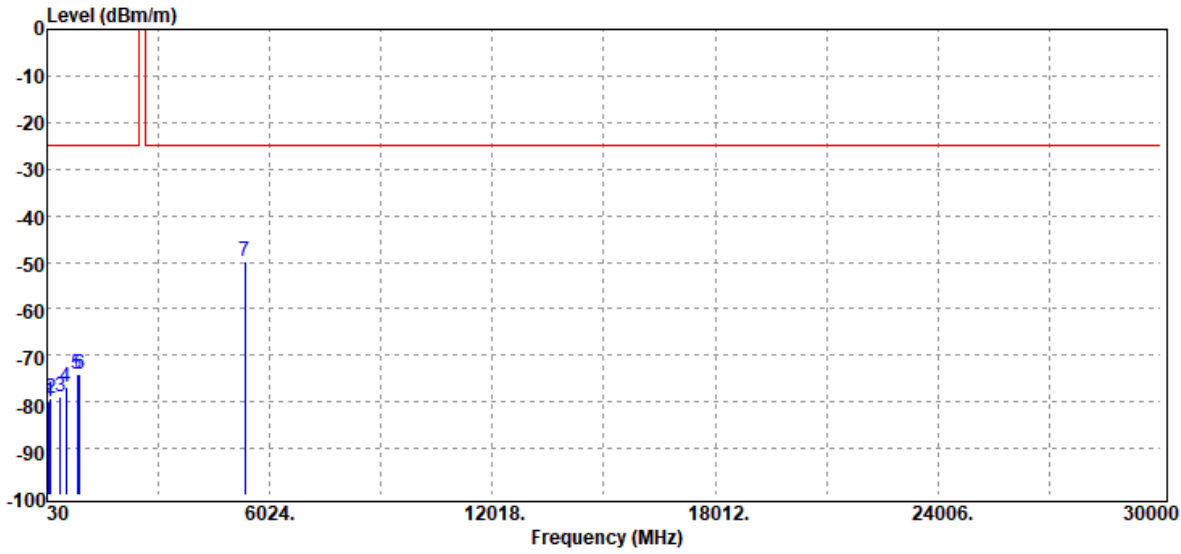
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :ER/2020/80160
 Operation Mode :LTE B41
 Test Mode :Tx CH High
 EUT Pol :NB Plane
 Test Frequency :2680 MHz

Test Site :SAC I Chamber
 Test Date :2020-09-19
 Temp./Humi. :22.5/63
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
94.99	-79.92	-73.42	-5.57	-0.93	-25.00	-54.92
124.09	-79.07	-70.58	-7.46	-1.03	-25.00	-54.07
385.99	-78.76	-75.44	-1.52	-1.80	-25.00	-53.76
541.19	-76.84	-73.62	-1.26	-1.96	-25.00	-51.84
841.89	-74.06	-69.65	-1.62	-2.79	-25.00	-49.06
909.79	-74.07	-69.32	-1.74	-3.01	-25.00	-49.07
5360.00	-49.82	-56.26	13.48	-7.04	-25.00	-24.82

~ 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.