

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

CLASS II PERMISSIVE CHANGE TEST REPORT

Applicant: Castles Technology Co., Ltd
6F, No. 207-5, Sec.3, Beixin Rd., Xindian District, New Taipei City 231, Taiwan

Product Name: LTE Module

Brand Name: CASTLES TECHNOLOGY

Model No.: SC20-A

Model Difference: N/A

Report Number: E2/2020/40009

FCC ID: WIYQSC20A

FCC Rule Part: 2, 22H & 24E & 27 L,M,H,F & 90S

Issue Date: Aug. 25, 2020

Date of Test: Jun. 22, 2020 ~ Jul. 03, 2020

Date of EUT Received: Apr. 07, 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 report relate only to the tested sample identified in this report.

Approved By:

Jazz Huang

Jazz Huang / Asst. Supervisor



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
E2/2020/40009	Rev.00	Original.	Aug. 25, 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.

SGS Taiwan Ltd.

台灣檢驗科技股份有限公司

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Contents

1	GENERAL PRODUCT INFORMATION.....	4
2	SYSTEM TEST CONFIGURATION.....	8
3	SUMMARY OF TEST RESULTS.....	10
4	DESCRIPTION OF TEST MODES.....	11
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

Product Name:	LTE Module	
Brand Name:	CASTLES TECHNOLOGY	
Model No.:	SC20-A	
Model Difference:	N/A	
Hardware Version:	R1.0	
Software Version:	SC20ASAR04A03H8G	
Host Product Name:	SATURN1000-E	
Host Model No.:	SATURN1000-E	
Class II Permissive Change:	LTE Module installed in SATURN1000-E	
Power Supply:	3.75Vdc from Rechargeable Li-ion Battery Pack or 5V from USB Port	
	Battery:	Model No.: S1E, Supplier: ShenZhen Kayo Battery Co., Ltd

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

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)		Operating Frequency (MHz)	
GSM/GPRS/EDGE 850	824.2 - 848.8	WCDMA / HSPA+ Band II	1852.4 - 1907.6
GSM/GPRS/EDGE 1900	1850.2 - 1909.8	WCDMA / HSPA+ Band IV	1712.4 - 1752.6
		WCDMA / HSPA+ Band V	826.4 - 846.6

LTE Band	BW (MHz)	Operation Frequency (MHz)	LTE Band	BW (MHz)	Operation Frequency (MHz)
2	1.4	1850.7 - 1909.3	25	1.4	1850.7 - 1914.3
	3	1851.5 - 1908.5		3	1851.5 - 1913.5
	5	1852.5 - 1907.5		5	1852.5 - 1912.5
	10	1855.0 - 1905.0		10	1855.0 - 1910.0
	15	1857.5 - 1902.5		15	1857.5 - 1907.5
	20	1860.0 - 1900.0		20	1860.0 - 1905.0
4	1.4	1710.7 - 1754.3	26	1.4	824.7 - 848.3
	3	1711.5 - 1753.5		3	825.5 - 847.5
	5	1712.5 - 1752.5		5	826.5 - 846.5
	10	1715.0 - 1750.0		10	829.0 - 844.0
	15	1717.5 - 1747.5		15	831.5 - 841.5
	20	1720.0 - 1745.0	26 Part90	1.4	814.7 - 823.3
5	1.4	824.7 - 848.3		3	815.5 - 822.5
	3	825.5 - 847.5		5	816.5 - 821.5
	5	826.5 - 846.5		10	819.0
	10	829.0 - 844.0			
7	5	2502.5 - 2567.5			
	10	2505.0 - 2565.0			
	15	2507.5 - 2562.5			
	20	2510.0 - 2560.0			
12	1.4	699.7 - 715.3			
	3	700.5 - 714.5			
	5	701.5 - 713.5			
	10	704.0 - 711.0			
13	5	779.5 - 784.5			
	10	782			

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

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

1.3 Antenna Designation

Antenna Type	Supplier	Antenna Part No.	Operating Frequency (MHz)		Peak Antenna Gain (dBi)
PIFA	ARISTOTLE	RFA-LTE-AP699-70-50	GSM/GPRS/EDGE 850	824.2-848.8	1.82
			GSM/GPRS/EDGE 1900	1850.2-1909.8	2.37
			WCDMA / HSPA+ Band II	1852.4-1907.6	2.37
			WCDMA / HSPA+ Band IV	1712.4-1752.6	2.37
			WCDMA / HSPA+ Band V	826.4-846.6	1.82
			LTE Band 2	1850.7-1909.3	2.37
			LTE Band 4	1710.7-1754.3	2.37
			LTE Band 5	824.7-848.3	1.82
			LTE Band 7	2502.5-2567.5	-1.06
			LTE Band 12	699.7-715.3	-0.08
			LTE Band 13	779.5-784.5	-0.08
			LTE Band 25	1850.7-1914.3	2.37
			LTE Band 26	824.7-848.3	1.82
			LTE Band 26 (Part 90)	814-824	1.82

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

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

1.4 Test Methodology of Applied Standards

FCC 47 CFR Part 2, 22H, 24E, 27L/M/H/F, 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

TS 151 010-1 is used to set, and measure the output power.

1.5 Test Facility

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

No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333

FCC Designation number: TW0028

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.

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)

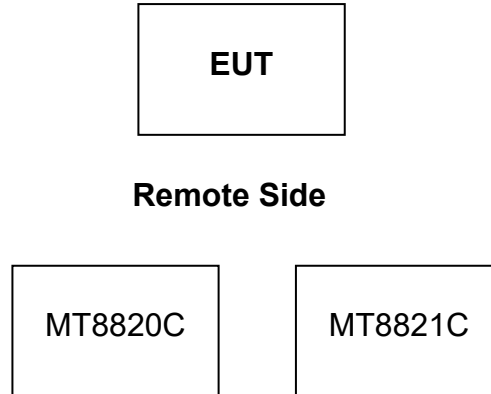


Table 2-1 Equipment Used in

Item	Equipment	Mfr/Brand	Model/ Type No.	Series No.	Data Cable	Power Cord
1.	Radio Communication Analyzer	Anritsu	MT8820C	6201107337	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(c)(2) §27.53(f) §27.53(g) §27.53(h) §27.53(m)(4)	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. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, X(E1)Y(E2)Z(H) axis and antenna ports. The worst case was found as listed below. Following channel(s) was (were) selected for the final test as listed below:

BAND	H PLAN	E1 PLAN	E2 PLAN
GSM/GPRS/EDGE 850			V
GSM/GPRS/EDGE 1900			V
WCDMA/HSPA Band II			V
WCDMA/HSPA Band IV			V
WCDMA/HSPA Band V			V
LTE Band 2			V
LTE Band 4			V
LTE Band 5			V
LTE Band 7			V
LTE Band 12			V
LTE Band 13			V
LTE Band 25			V
LTE Band 26			V
LTE Band 26 (Part 90S)			V

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

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

4.2 Measurement Configuration

Test Channel	Modulation
Low ; Mid ;High	GSM 850/1900, WCDMA II/IV/V

LTE Band 2

Parameter	Test Condition
Test Channel	Low ; Mid ;High
Channel Bandwidth	20 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 99

LTE Band 4

Parameter	Test Condition
Test Channel	Low ; Mid ;High
Channel Bandwidth	20 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

LTE Band 5

Parameter	Test Condition
Test Channel	Low ; Mid ;High
Channel Bandwidth	5 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

LTE Band 7

Parameter	Test Condition
Test Channel	Low ; Mid ;High
Channel Bandwidth	20 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 50

LTE Band 12

Parameter	Test Condition
Test Channel	Low ; Mid ;High
Channel Bandwidth	10 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 25

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 13

Parameter	Test Condition
Test Channel	Mid
Channel Bandwidth	10 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

LTE Band 25

Parameter	Test Condition
Test Channel	Low ; Mid ;High
Channel Bandwidth	20 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start =0

LTE Band 26

Parameter	Test Condition
Test Channel	Low ; Mid ;High
Channel Bandwidth	15 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

LTE Band 26 Part 90

Parameter	Test Condition
Test Channel	Low ; Mid ;High
Channel Bandwidth	15 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 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.

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)

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(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 wide-band 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.

FCC §27.53(h)(3) for LTE B4

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.

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(m) (4) (6) for LTE B7

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.

§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 $116 \log_{10}(f/6.1)$ decibels or $50 + 10 \log_{10}(P)$ 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 $43 + 10 \log_{10}(P)$ 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.

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.

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	$43 + 10 \log_{10}(p)^{\text{Note}}$
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	$43 + 10 \log_{10}(p)^{\text{Note}}$
2360 - 2365	$43 + 10 \log_{10}(p)$
2365 - 2395	$70 + 10 \log_{10}(p)$
>2395	$43 + 10 \log_{10}(p)$

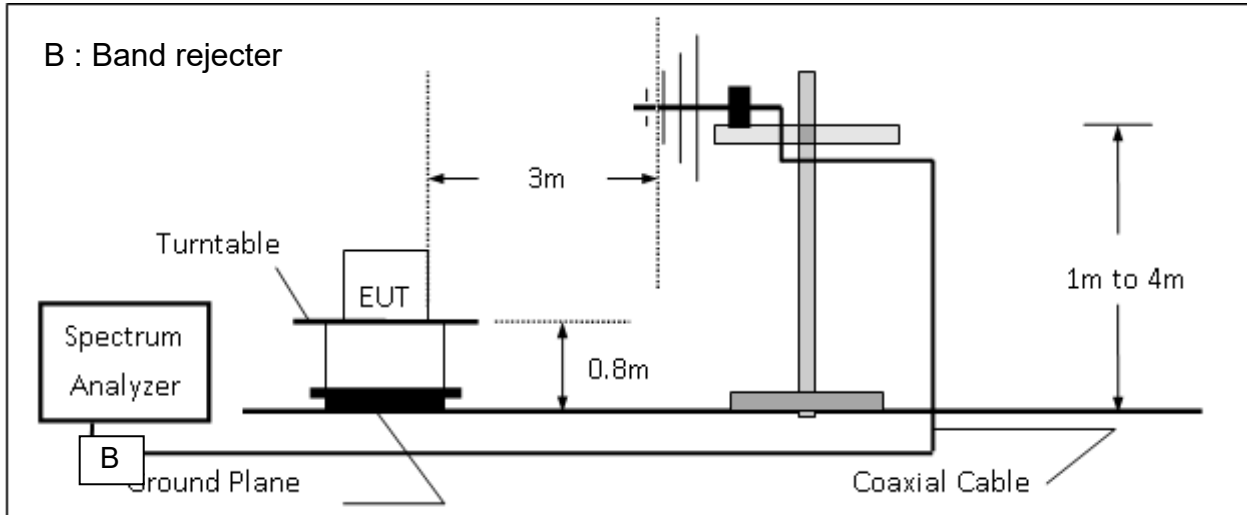
Note: Measured at the edges of the highest and lowest frequency range(s) in which the equipment is designed to operate. See Section 1.2 for the permitted frequency ranges for various equipment types.

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。

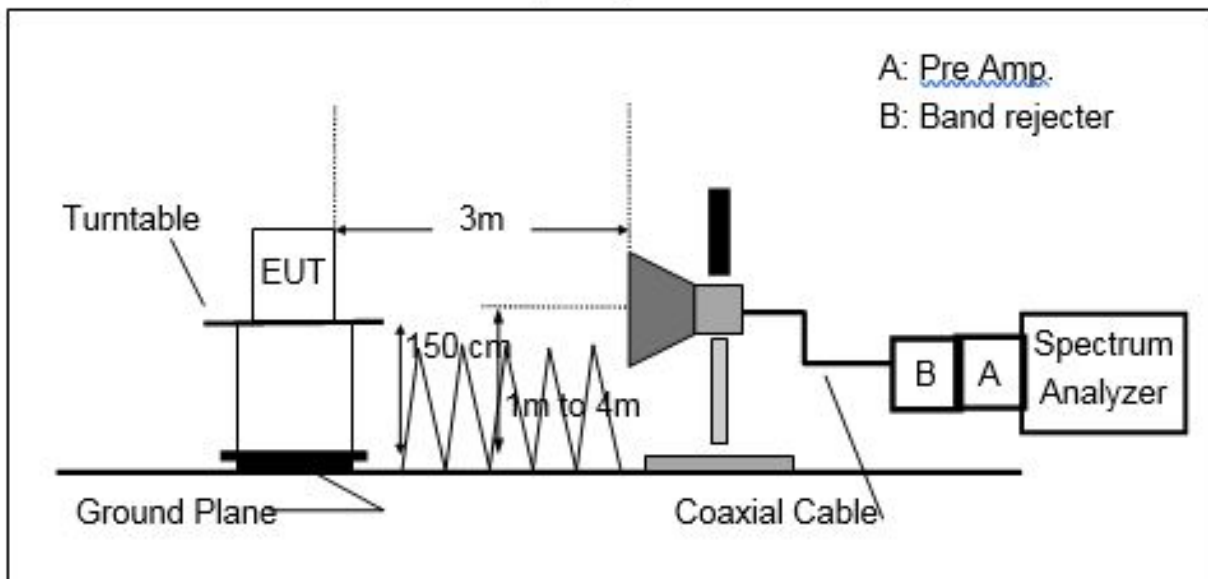
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>.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

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

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

6.4 Measurement Equipment Used:

ERP, EIRP MEASUREMENT EQUIPMENT List 966 Chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Broadband Antenna	TESEQ	CBL 6112D	35240	09/09/2019	09/08/2020
Horn Antenna	Schwarzbeck	BBHA9170	184	12/25/2019	12/24/2020
Horn Antenna	Schwarzbeck	BBHA9120D	1187	01/10/2020	01/09/2021
Loop Antenna	ETS.LINDGREN	6502	143303	04/28/2020	04/27/2021
EMI Test Receiver	R&S	ESU 40	100363	04/29/2020	04/28/2021
Radio Communication Analyzer	Anritsu	MT8820C	6201107337	07/17/2019	07/16/2020
Radio Communication Analyzer	Anritsu	MT8821C	6261786084	01/18/2020	01/17/2021
Pre-Amplifier	EMC Instruments	EMC330	980096	11/20/2019	11/19/2020
Pre-Amplifier	EMC Instruments	EMC0011830	980199	11/20/2019	11/19/2020
Pre-Amplifier	EMC Instruments	EMC184045B	980135	11/20/2019	11/19/2020
Notch Filter	Woken	EWT-54-0037	RF54	11/20/2019	11/19/2020
Notch Filter	Woken	EWT-54-0038	RF55	11/20/2019	11/19/2020
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17388/4	11/20/2019	11/19/2020
Coaxial Cable	Huber Suhner	RG 214/U	W22.03	11/20/2019	11/19/2020
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17413/4	11/20/2019	11/19/2020

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.

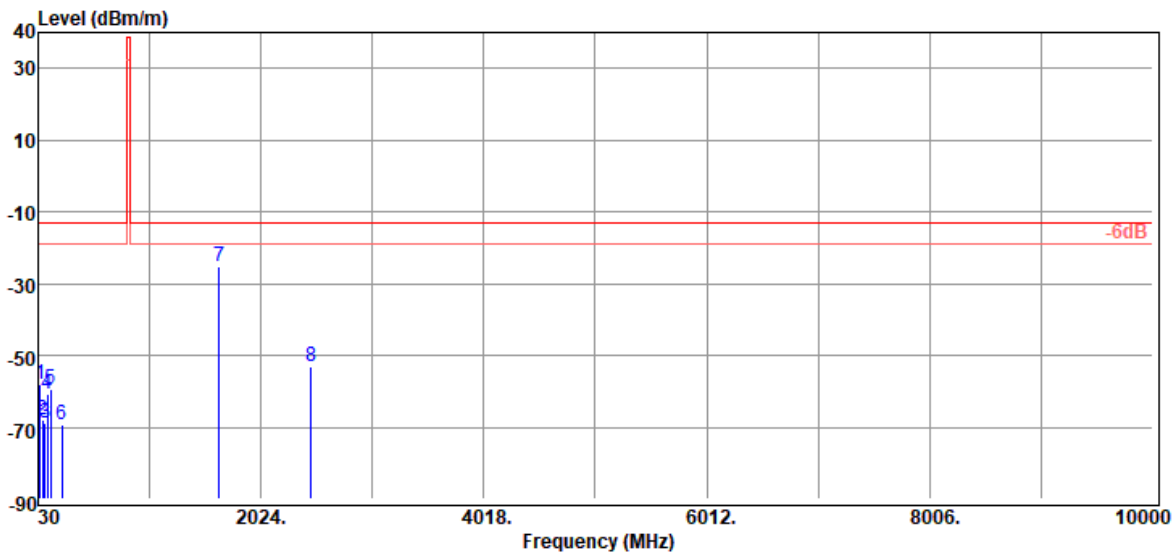
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 :E2/2020/40009
 Operation Mode :GSM850
 Test Mode :TX CH LOW
 EUT Pol :E2 Plan
 Test Frequency :824.2 MHz

Test Site :966 Chamber C
 Test Date :2020-07-03
 Temp./Humi. :23.3/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
46.49	-58.11	-38.96	-18.29	-0.86	-13.00	-45.11
67.83	-68.13	-54.30	-12.83	-1.00	-13.00	-55.13
89.17	-69.03	-61.75	-6.12	-1.16	-13.00	-56.03
114.39	-60.60	-52.04	-7.11	-1.45	-13.00	-47.60
140.58	-59.60	-50.30	-7.64	-1.66	-13.00	-46.60
240.49	-69.11	-65.05	-1.83	-2.23	-13.00	-56.11
1648.40	-25.25	-27.02	9.29	-7.52	-13.00	-12.25
2472.60	-53.01	-54.56	10.55	-9.00	-13.00	-40.01

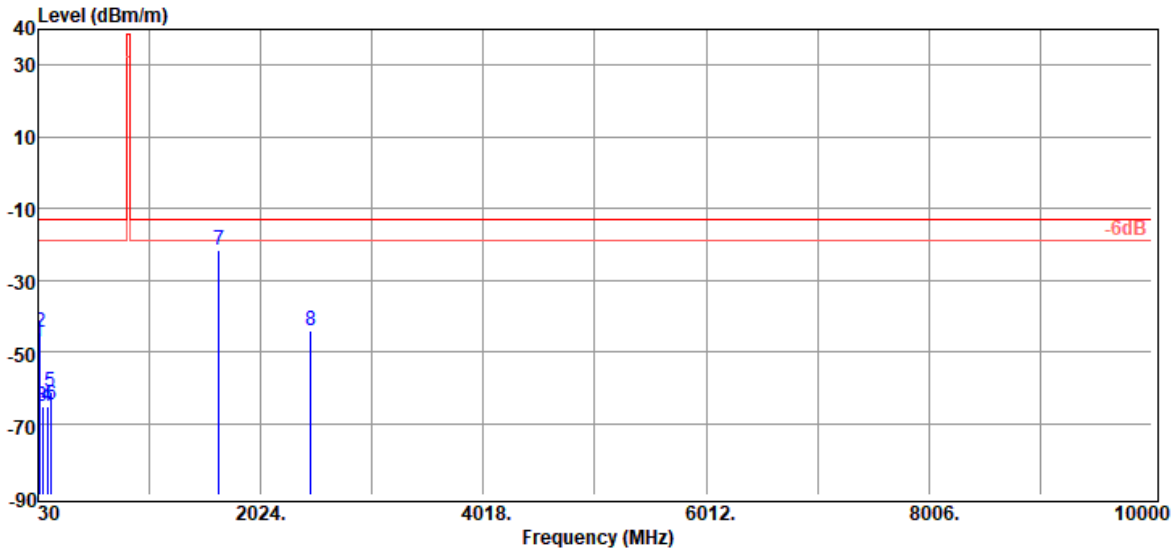
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Report Number :E2/2020/40009
Operation Mode :GSM850
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :824.2 MHz

Test Site :966 Chamber C
Test Date :2020-07-03
Temp./Humi. :23.3/59
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.00	-47.48	-25.97	-20.90	-0.61	-13.00	-34.48
46.49	-44.64	-25.49	-18.29	-0.86	-13.00	-31.64
66.86	-65.47	-51.42	-13.05	-1.00	-13.00	-52.47
114.39	-65.36	-56.80	-7.11	-1.45	-13.00	-52.36
140.58	-61.00	-51.70	-7.64	-1.66	-13.00	-48.00
150.28	-64.99	-55.91	-7.40	-1.68	-13.00	-51.99
1648.40	-21.51	-23.28	9.29	-7.52	-13.00	-8.51
2472.60	-44.09	-45.64	10.55	-9.00	-13.00	-31.09

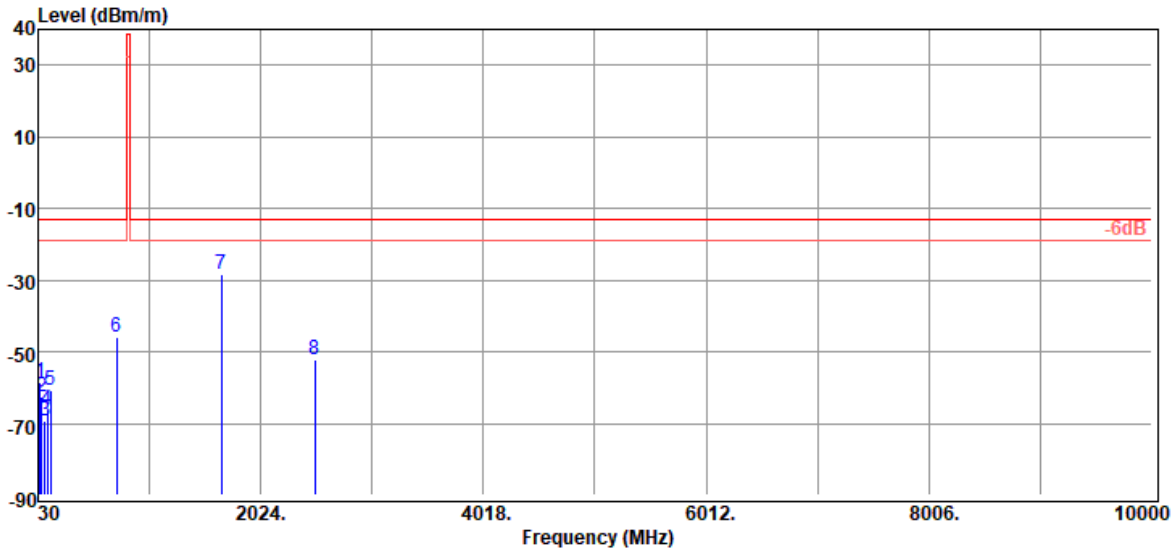
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :GSM850
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :836.6 MHz

Test Site :966 Chamber C
Test Date :2020-07-03
Temp./Humi. :23.3/59
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
46.49	-58.47	-39.32	-18.29	-0.86	-13.00	-45.47
59.10	-62.44	-45.95	-15.50	-0.99	-13.00	-49.44
89.17	-69.21	-61.93	-6.12	-1.16	-13.00	-56.21
116.33	-66.16	-57.58	-7.13	-1.45	-13.00	-53.16
140.58	-60.88	-51.58	-7.64	-1.66	-13.00	-47.88
730.34	-45.80	-40.02	-1.47	-4.31	-13.00	-32.80
1673.20	-28.36	-30.21	9.53	-7.68	-13.00	-15.36
2509.80	-52.15	-53.72	10.62	-9.05	-13.00	-39.15

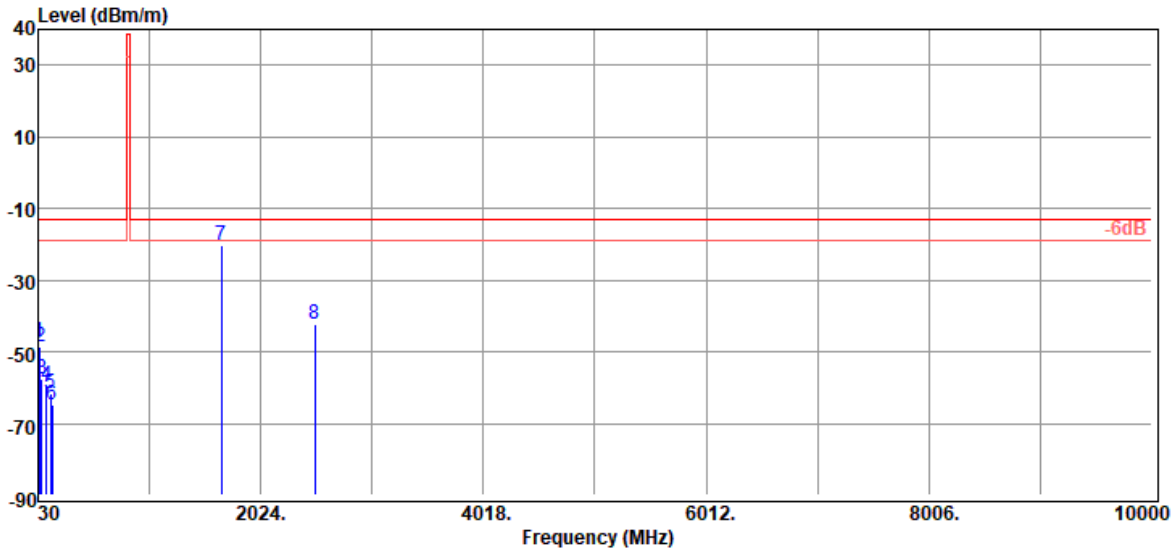
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :GSM850
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :836.6 MHz

Test Site :966 Chamber C
Test Date :2020-07-03
Temp./Humi. :23.3/59
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
30.97	-47.16	-25.91	-20.62	-0.63	-13.00	-34.16
45.52	-48.61	-29.37	-18.38	-0.86	-13.00	-35.61
59.10	-57.78	-41.29	-15.50	-0.99	-13.00	-44.78
103.72	-59.52	-51.51	-6.64	-1.37	-13.00	-46.52
139.61	-61.71	-52.41	-7.64	-1.66	-13.00	-48.71
159.01	-64.72	-56.03	-7.01	-1.68	-13.00	-51.72
1673.20	-20.26	-22.11	9.53	-7.68	-13.00	-7.26
2509.80	-42.54	-44.11	10.62	-9.05	-13.00	-29.54

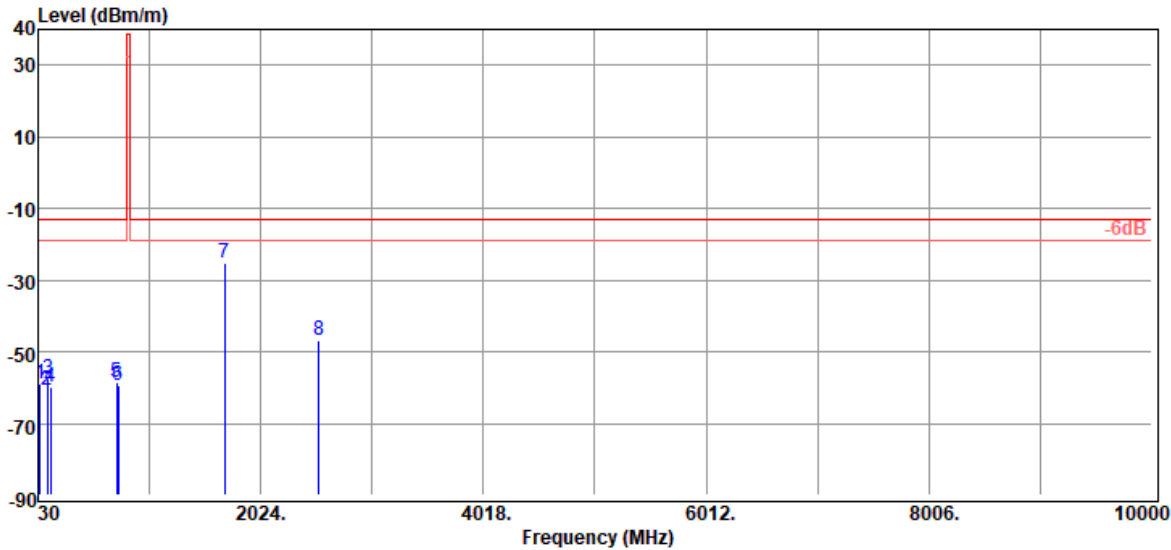
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
 Operation Mode :GSM850
 Test Mode :TX CH HIGH
 EUT Pol :E2 Plan
 Test Frequency :848.8 MHz

Test Site :966 Chamber C
 Test Date :2020-07-03
 Temp./Humi. :23.3/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
46.49	-58.80	-39.65	-18.29	-0.86	-13.00	-45.80
115.36	-60.81	-52.22	-7.14	-1.45	-13.00	-47.81
119.24	-57.62	-49.13	-7.04	-1.45	-13.00	-44.62
139.61	-60.06	-50.76	-7.64	-1.66	-13.00	-47.06
730.34	-58.61	-52.83	-1.47	-4.31	-13.00	-45.61
747.80	-59.44	-53.63	-1.62	-4.19	-13.00	-46.44
1697.60	-25.42	-27.37	9.78	-7.83	-13.00	-12.42
2546.40	-46.85	-48.45	10.69	-9.09	-13.00	-33.85

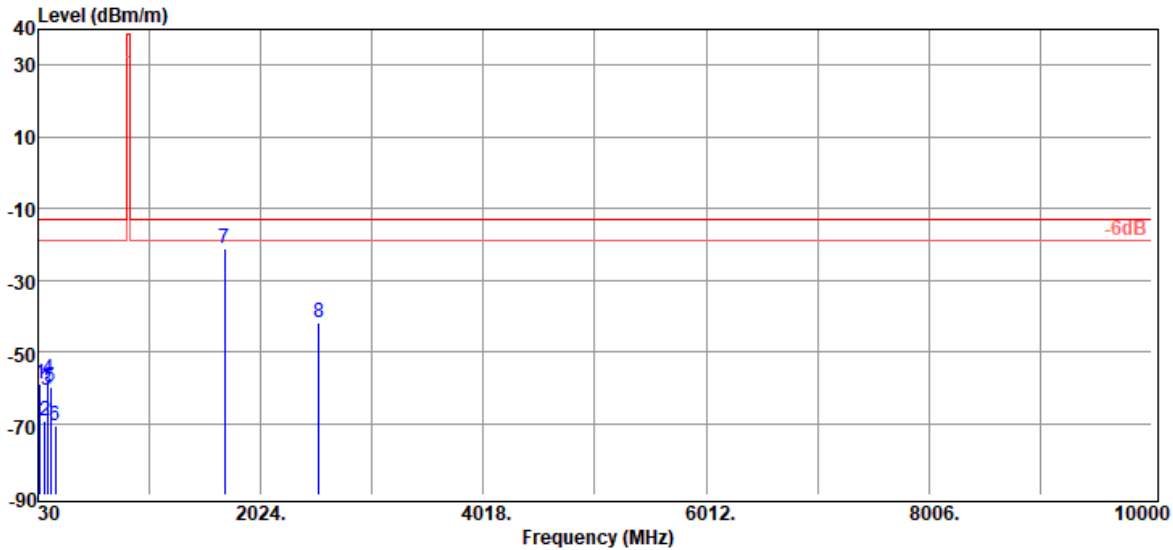
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :GSM850
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :848.8 MHz

Test Site :966 Chamber C
Test Date :2020-07-03
Temp./Humi. :23.3/59
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
46.49	-58.80	-39.65	-18.29	-0.86	-13.00	-45.80
89.17	-69.17	-61.89	-6.12	-1.16	-13.00	-56.17
115.36	-60.81	-52.22	-7.14	-1.45	-13.00	-47.81
119.24	-57.62	-49.13	-7.04	-1.45	-13.00	-44.62
139.61	-60.06	-50.76	-7.64	-1.66	-13.00	-47.06
182.29	-70.45	-64.68	-4.00	-1.77	-13.00	-57.45
1697.60	-21.29	-23.24	9.78	-7.83	-13.00	-8.29
2546.40	-42.03	-43.63	10.69	-9.09	-13.00	-29.03

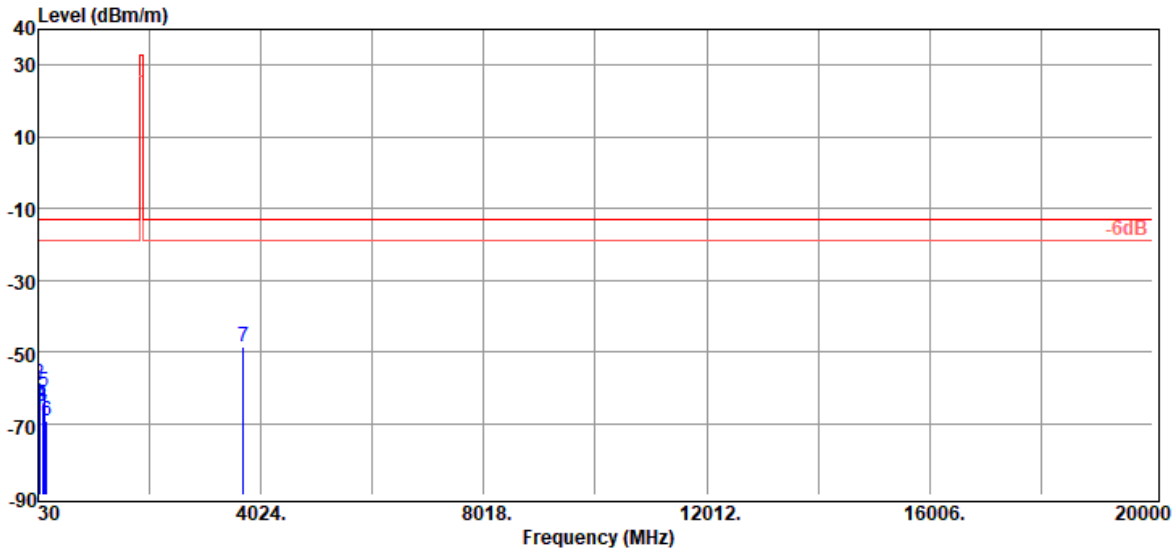
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :GSM1900
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :1850.2 MHz

Test Site :966 Chamber C
Test Date :2020-07-03
Temp./Humi. :23.3/59
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
30.97	-66.37	-45.12	-20.62	-0.63	-13.00	-53.37
46.49	-58.83	-39.68	-18.29	-0.86	-13.00	-45.83
104.69	-65.41	-57.24	-6.78	-1.39	-13.00	-52.41
115.36	-65.00	-56.41	-7.14	-1.45	-13.00	-52.00
140.58	-61.06	-51.76	-7.64	-1.66	-13.00	-48.06
182.29	-69.36	-63.59	-4.00	-1.77	-13.00	-56.36
3700.40	-48.56	-49.53	12.30	-11.33	-13.00	-35.56

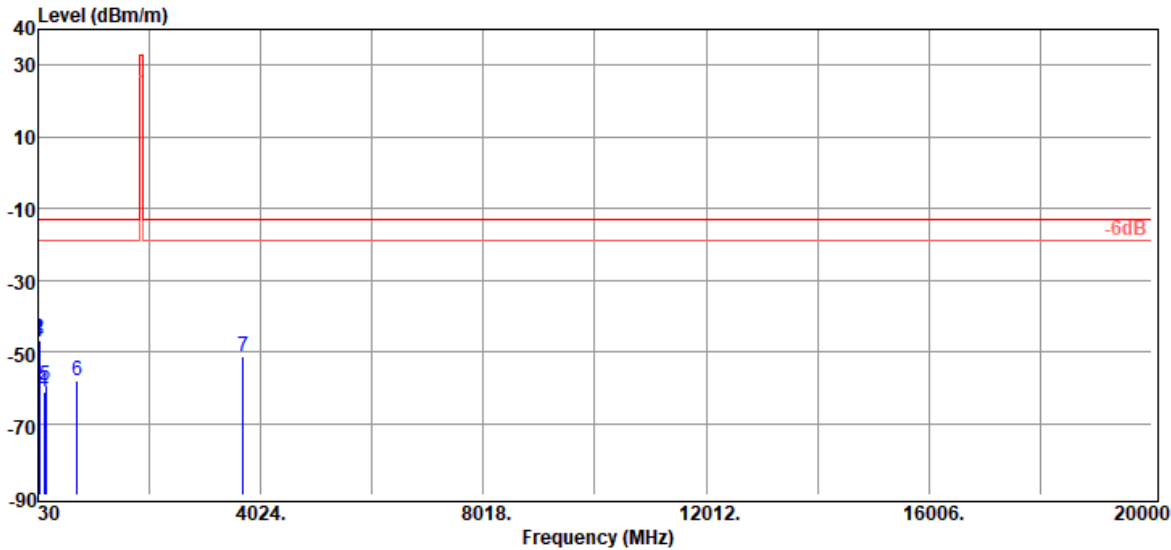
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :GSM1900
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :1850.2 MHz

Test Site :966 Chamber C
Test Date :2020-07-03
Temp./Humi. :23.3/59
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.00	-47.28	-25.77	-20.90	-0.61	-13.00	-34.28
36.79	-46.51	-26.30	-19.43	-0.78	-13.00	-33.51
50.37	-46.73	-28.36	-17.50	-0.87	-13.00	-33.73
139.61	-61.12	-51.82	-7.64	-1.66	-13.00	-48.12
169.68	-59.46	-51.54	-6.18	-1.74	-13.00	-46.46
730.34	-57.87	-52.09	-1.47	-4.31	-13.00	-44.87
3700.40	-51.45	-52.42	12.30	-11.33	-13.00	-38.45

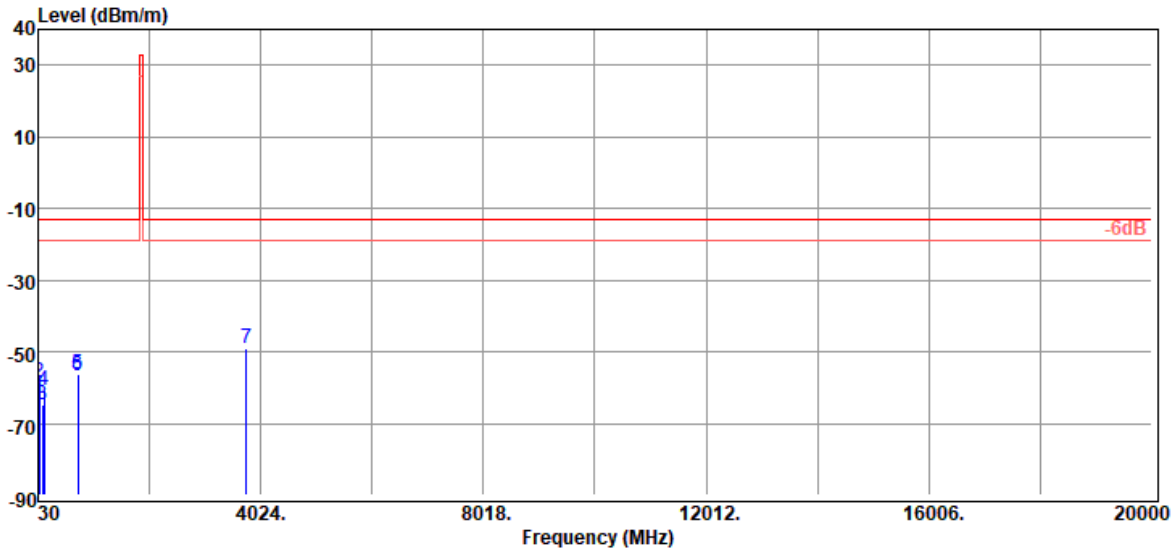
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :GSM1900
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :1880 MHz

Test Site :966 Chamber C
Test Date :2020-07-03
Temp./Humi. :23.3/59
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
37.76	-62.51	-42.36	-19.35	-0.80	-13.00	-49.51
46.49	-58.52	-39.37	-18.29	-0.86	-13.00	-45.52
116.33	-64.85	-56.27	-7.13	-1.45	-13.00	-51.85
139.61	-60.76	-51.46	-7.64	-1.66	-13.00	-47.76
739.07	-56.10	-50.37	-1.53	-4.20	-13.00	-43.10
746.83	-56.71	-50.91	-1.61	-4.19	-13.00	-43.71
3760.00	-49.02	-50.36	12.42	-11.08	-13.00	-36.02

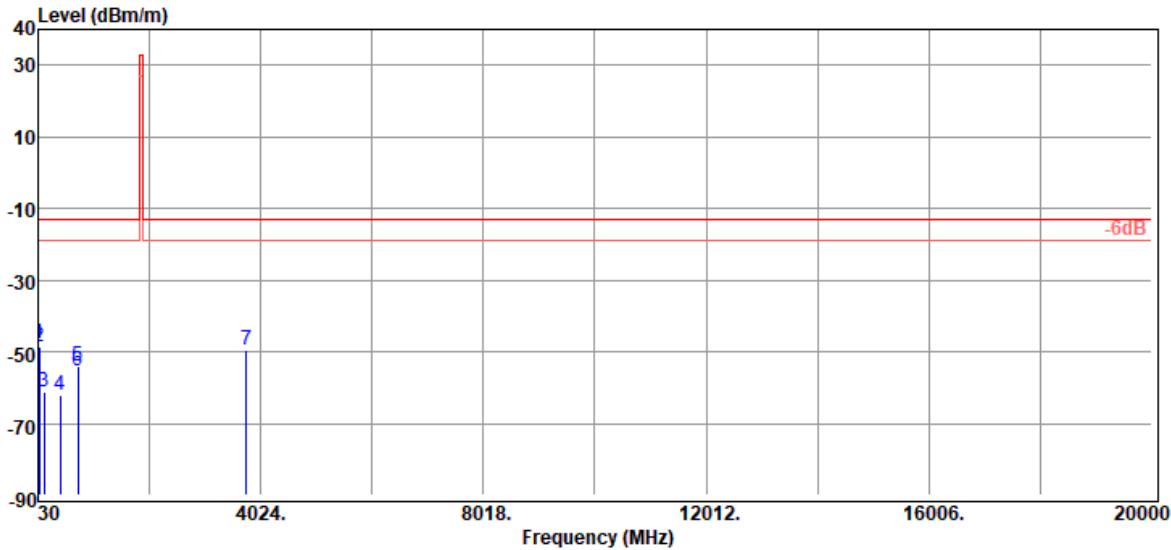
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :GSM1900
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :1880 MHz

Test Site :966 Chamber C
Test Date :2020-07-03
Temp./Humi. :23.3/59
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
30.97	-47.62	-26.37	-20.62	-0.63	-13.00	-34.62
45.52	-48.47	-29.23	-18.38	-0.86	-13.00	-35.47
139.61	-61.17	-51.87	-7.64	-1.66	-13.00	-48.17
433.52	-61.99	-57.53	-1.40	-3.06	-13.00	-48.99
740.04	-54.22	-48.47	-1.56	-4.19	-13.00	-41.22
746.83	-55.31	-49.51	-1.61	-4.19	-13.00	-42.31
3760.00	-49.47	-50.81	12.42	-11.08	-13.00	-36.47

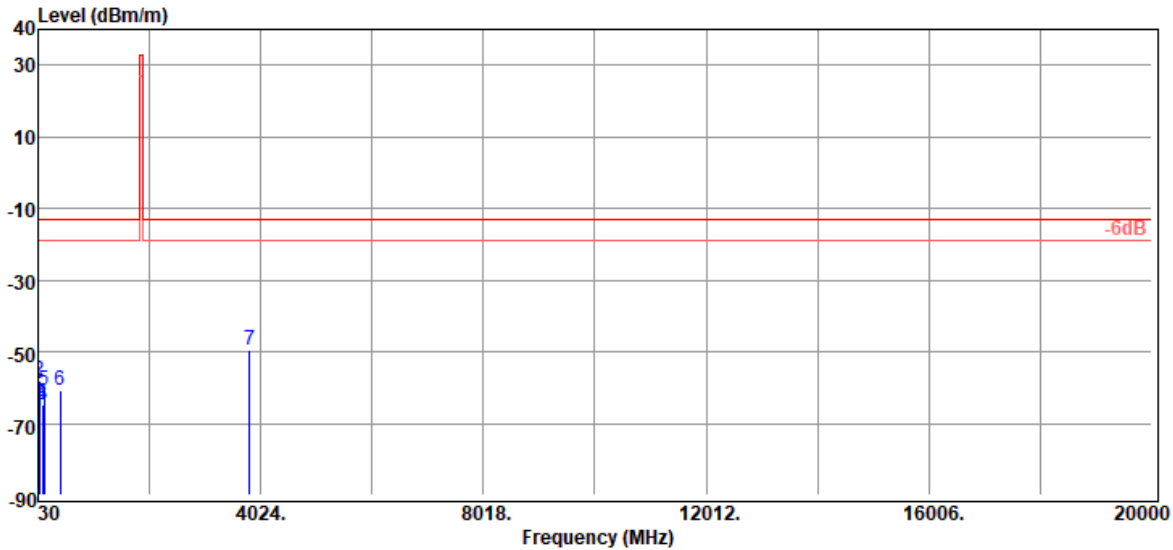
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :GSM1900
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :1909.8 MHz

Test Site :966 Chamber C
Test Date :2020-07-03
Temp./Humi. :23.3/59
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
34.85	-66.51	-46.01	-19.77	-0.73	-13.00	-53.51
46.49	-58.20	-39.05	-18.29	-0.86	-13.00	-45.20
109.54	-64.78	-56.34	-7.00	-1.44	-13.00	-51.78
115.36	-65.02	-56.43	-7.14	-1.45	-13.00	-52.02
139.61	-60.79	-51.49	-7.64	-1.66	-13.00	-47.79
433.52	-60.70	-56.24	-1.40	-3.06	-13.00	-47.70
3819.60	-49.46	-51.09	12.50	-10.87	-13.00	-36.46

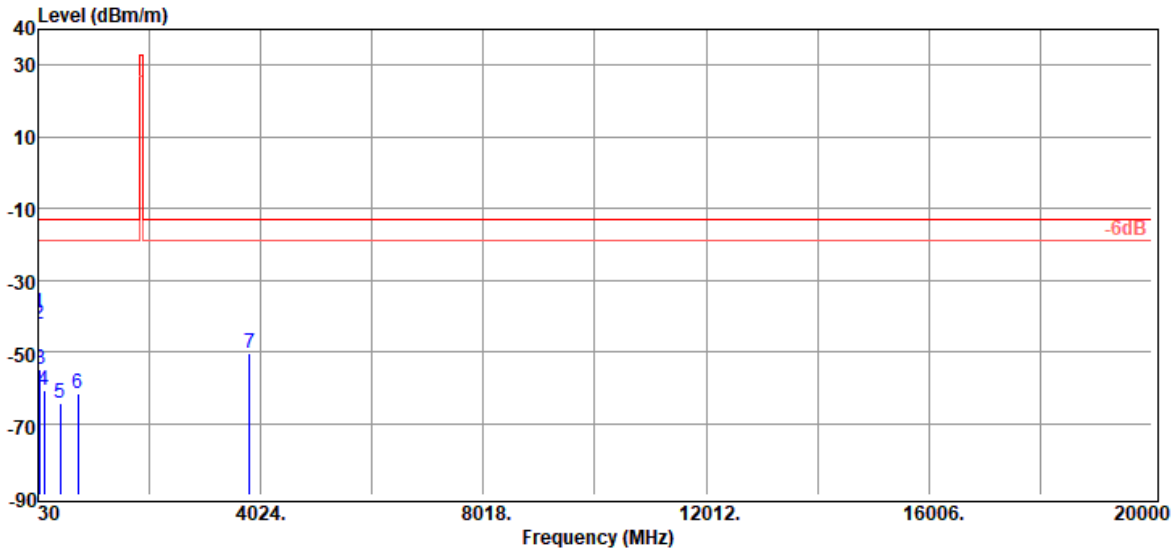
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :GSM1900
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :1909.8 MHz

Test Site :966 Chamber C
Test Date :2020-07-03
Temp./Humi. :23.3/59
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
34.85	-39.03	-18.53	-19.77	-0.73	-13.00	-26.03
43.58	-42.41	-22.84	-18.71	-0.86	-13.00	-29.41
61.04	-55.10	-39.18	-14.92	-1.00	-13.00	-42.10
139.61	-60.82	-51.52	-7.64	-1.66	-13.00	-47.82
431.58	-64.19	-59.65	-1.44	-3.10	-13.00	-51.19
746.83	-61.53	-55.73	-1.61	-4.19	-13.00	-48.53
3819.60	-50.25	-51.88	12.50	-10.87	-13.00	-37.25

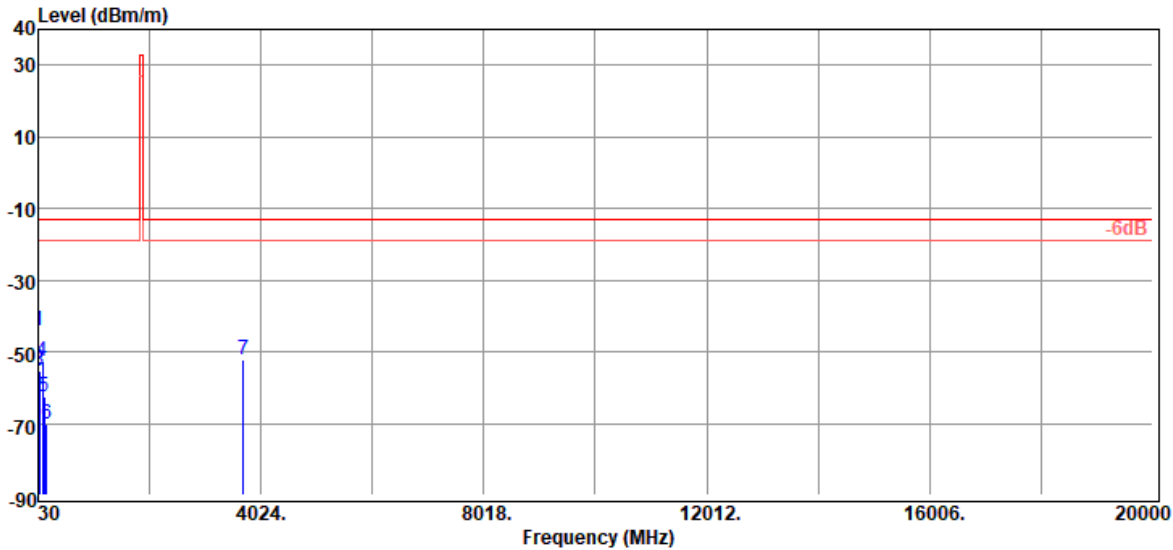
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :WCDMA B2
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :1852.4 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :23.2/51
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
32.91	-44.14	-23.37	-20.09	-0.68	-13.00	-31.14
43.58	-54.93	-35.36	-18.71	-0.86	-13.00	-41.93
51.34	-55.31	-37.10	-17.33	-0.88	-13.00	-42.31
110.51	-52.73	-44.26	-7.02	-1.45	-13.00	-39.73
139.61	-62.47	-53.17	-7.64	-1.66	-13.00	-49.47
182.29	-70.19	-64.42	-4.00	-1.77	-13.00	-57.19
3704.80	-52.10	-53.10	12.31	-11.31	-13.00	-39.10

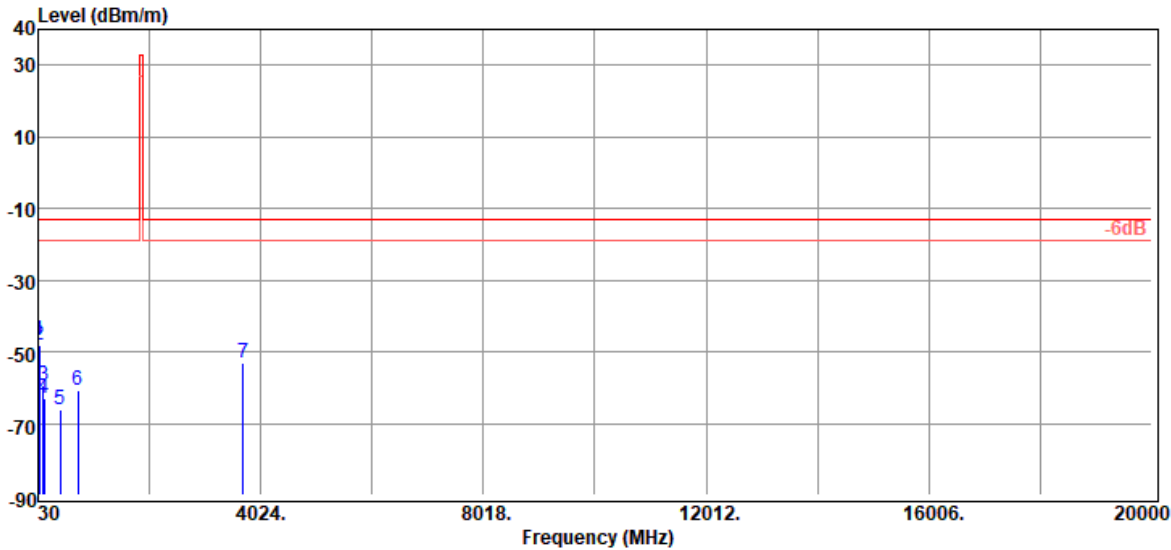
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :WCDMA B2
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :1852.4 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :23.2/51
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.97	-47.01	-25.76	-20.62	-0.63	-13.00	-34.01
45.52	-48.18	-28.94	-18.38	-0.86	-13.00	-35.18
117.30	-59.63	-51.09	-7.09	-1.45	-13.00	-46.63
139.61	-62.83	-53.53	-7.64	-1.66	-13.00	-49.83
428.67	-66.25	-61.68	-1.44	-3.13	-13.00	-53.25
744.89	-60.71	-54.92	-1.60	-4.19	-13.00	-47.71
3704.80	-53.34	-54.34	12.31	-11.31	-13.00	-40.34

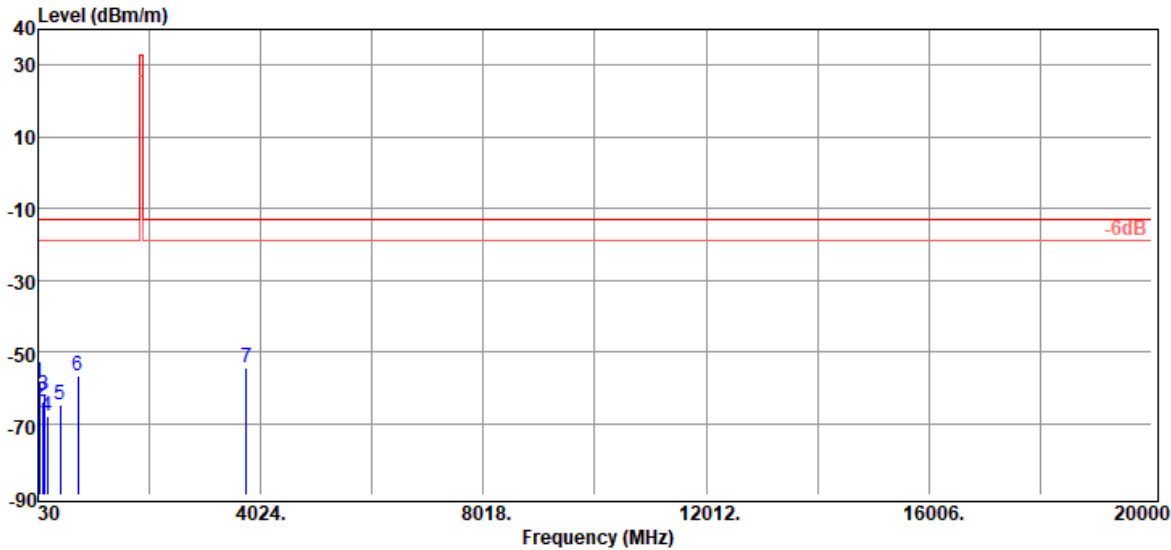
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :WCDMA B2
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :1880 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :23.2/51
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
46.49	-58.53	-39.38	-18.29	-0.86	-13.00	-45.53
114.39	-64.07	-55.51	-7.11	-1.45	-13.00	-51.07
139.61	-62.02	-52.72	-7.64	-1.66	-13.00	-49.02
195.87	-68.16	-63.77	-2.40	-1.99	-13.00	-55.16
428.67	-64.72	-60.15	-1.44	-3.13	-13.00	-51.72
743.92	-56.81	-51.03	-1.59	-4.19	-13.00	-43.81
3760.00	-54.52	-55.86	12.42	-11.08	-13.00	-41.52

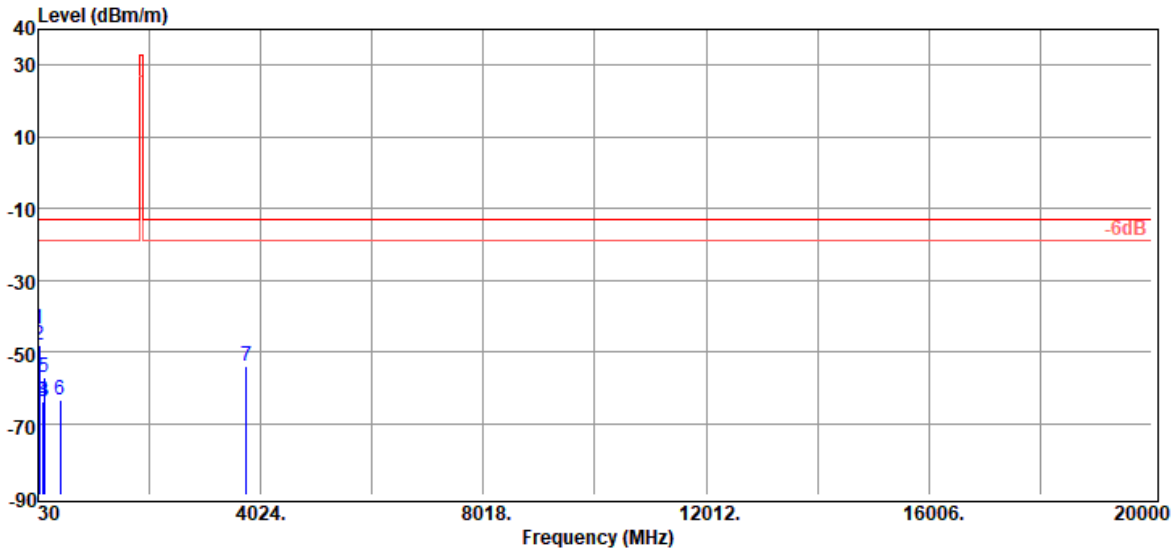
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :WCDMA B2
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :1880 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :23.2/51
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
31.94	-43.56	-22.54	-20.36	-0.66	-13.00	-30.56
45.52	-48.38	-29.14	-18.38	-0.86	-13.00	-35.38
118.27	-63.97	-55.44	-7.08	-1.45	-13.00	-50.97
128.94	-63.69	-54.82	-7.23	-1.64	-13.00	-50.69
144.46	-57.20	-47.89	-7.64	-1.67	-13.00	-44.20
433.52	-63.35	-58.89	-1.40	-3.06	-13.00	-50.35
3760.00	-54.07	-55.41	12.42	-11.08	-13.00	-41.07

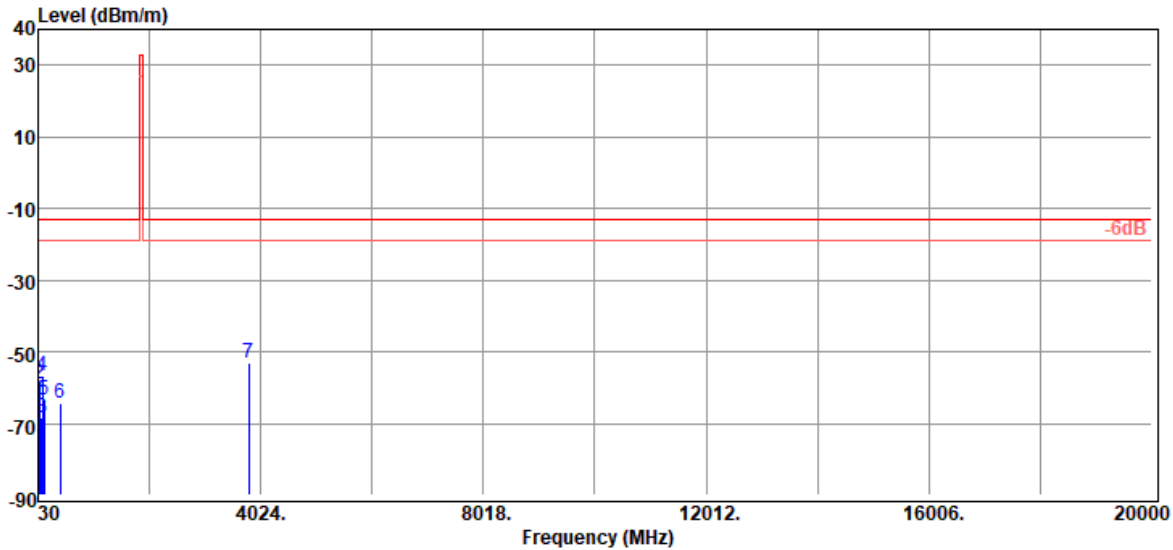
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Report Number :E2/2020/40009
Operation Mode :WCDMA B2
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :1907.6 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :23.2/51
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.82	-63.74	-43.34	-19.64	-0.76	-13.00	-50.74
46.49	-58.83	-39.68	-18.29	-0.86	-13.00	-45.83
89.17	-68.31	-61.03	-6.12	-1.16	-13.00	-55.31
112.45	-56.51	-47.89	-7.17	-1.45	-13.00	-43.51
139.61	-63.40	-54.10	-7.64	-1.66	-13.00	-50.40
431.58	-64.16	-59.62	-1.44	-3.10	-13.00	-51.16
3815.20	-53.00	-54.61	12.50	-10.89	-13.00	-40.00

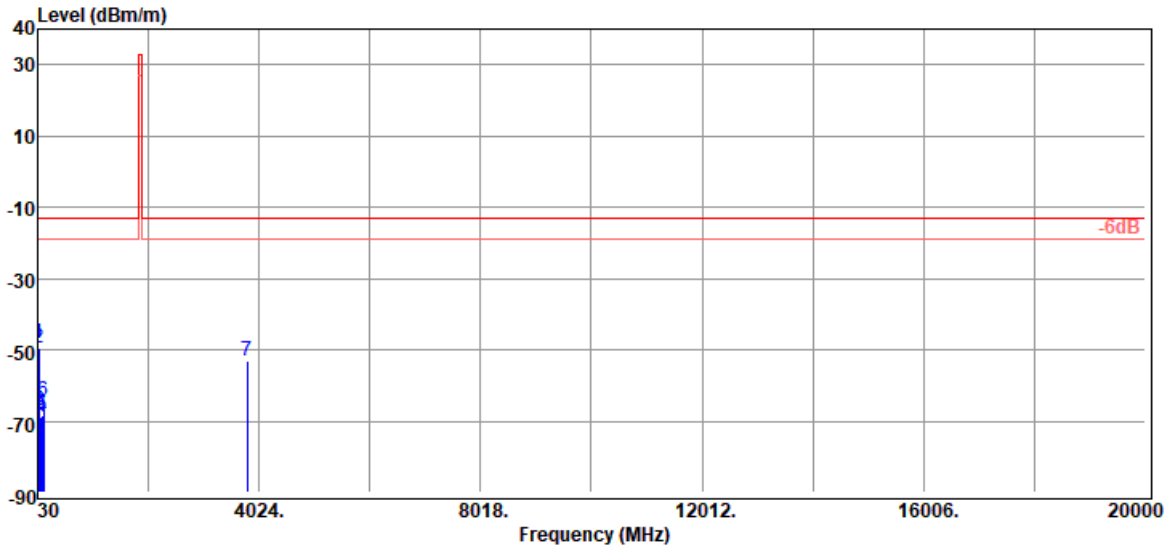
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :WCDMA B2
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :1907.6 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :23.2/51
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.97	-48.37	-27.12	-20.62	-0.63	-13.00	-35.37
44.55	-49.60	-30.23	-18.51	-0.86	-13.00	-36.60
63.95	-67.06	-52.03	-14.03	-1.00	-13.00	-54.06
89.17	-68.91	-61.63	-6.12	-1.16	-13.00	-55.91
116.33	-68.62	-60.04	-7.13	-1.45	-13.00	-55.62
139.61	-64.47	-55.17	-7.64	-1.66	-13.00	-51.47
3815.20	-52.90	-54.51	12.50	-10.89	-13.00	-39.90

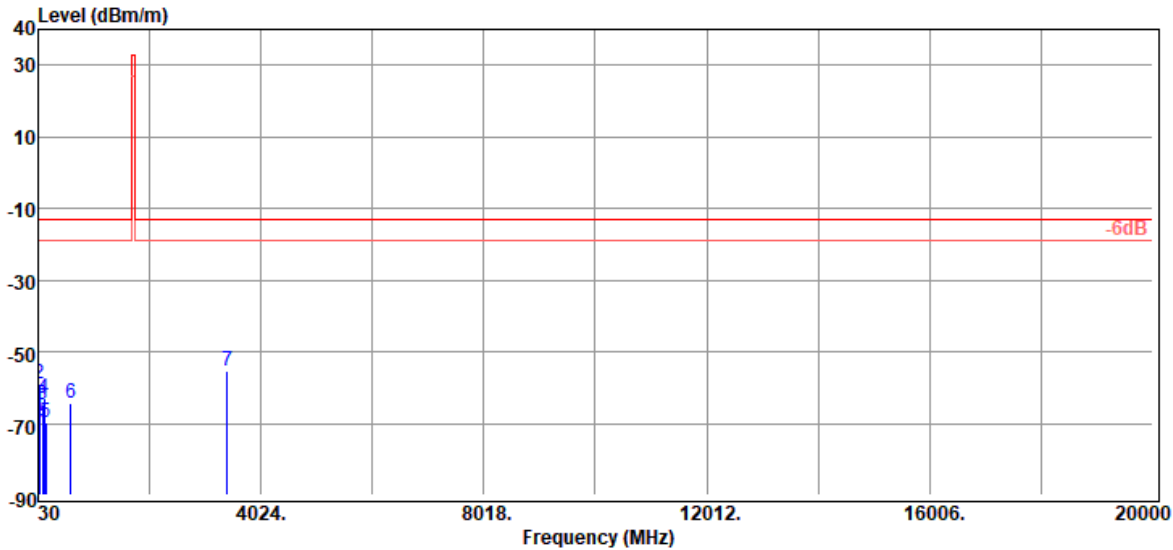
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :WCDMA B4
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :1712.4 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :23.2/51
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.97	-66.36	-45.11	-20.62	-0.63	-13.00	-53.36
46.49	-58.89	-39.74	-18.29	-0.86	-13.00	-45.89
115.36	-65.01	-56.42	-7.14	-1.45	-13.00	-52.01
139.61	-63.22	-53.92	-7.64	-1.66	-13.00	-50.22
167.74	-69.95	-61.77	-6.45	-1.73	-13.00	-56.95
616.85	-64.24	-58.91	-1.63	-3.70	-13.00	-51.24
3424.80	-55.52	-56.88	12.65	-11.29	-13.00	-42.52

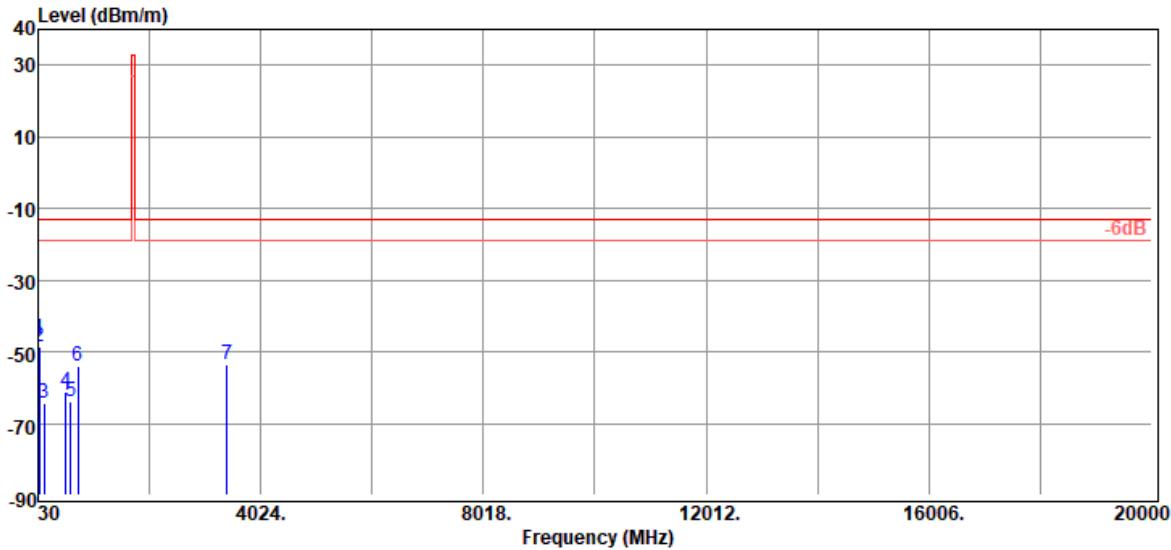
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :WCDMA B4
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :1712.4 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :23.2/51
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
34.85	-46.44	-25.94	-19.77	-0.73	-13.00	-33.44
45.52	-48.65	-29.41	-18.38	-0.86	-13.00	-35.65
139.61	-64.24	-54.94	-7.64	-1.66	-13.00	-51.24
535.37	-61.09	-56.68	-1.17	-3.24	-13.00	-48.09
608.12	-63.77	-58.03	-1.76	-3.98	-13.00	-50.77
747.80	-53.90	-48.09	-1.62	-4.19	-13.00	-40.90
3424.80	-53.68	-55.04	12.65	-11.29	-13.00	-40.68

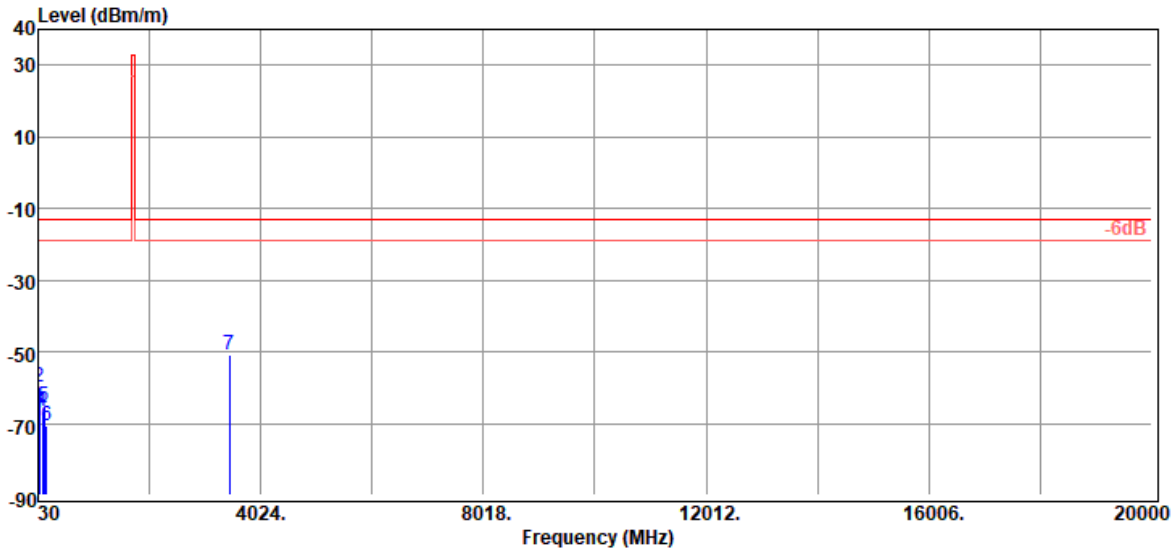
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :WCDMA B4
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :1732.6 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :23.1/52
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
30.00	-66.93	-45.42	-20.90	-0.61	-13.00	-53.93
46.49	-59.68	-40.53	-18.29	-0.86	-13.00	-46.68
52.31	-66.15	-48.12	-17.14	-0.89	-13.00	-53.15
116.33	-66.67	-58.09	-7.13	-1.45	-13.00	-53.67
139.61	-65.10	-55.80	-7.64	-1.66	-13.00	-52.10
182.29	-70.73	-64.96	-4.00	-1.77	-13.00	-57.73
3465.20	-50.98	-52.46	12.51	-11.03	-13.00	-37.98

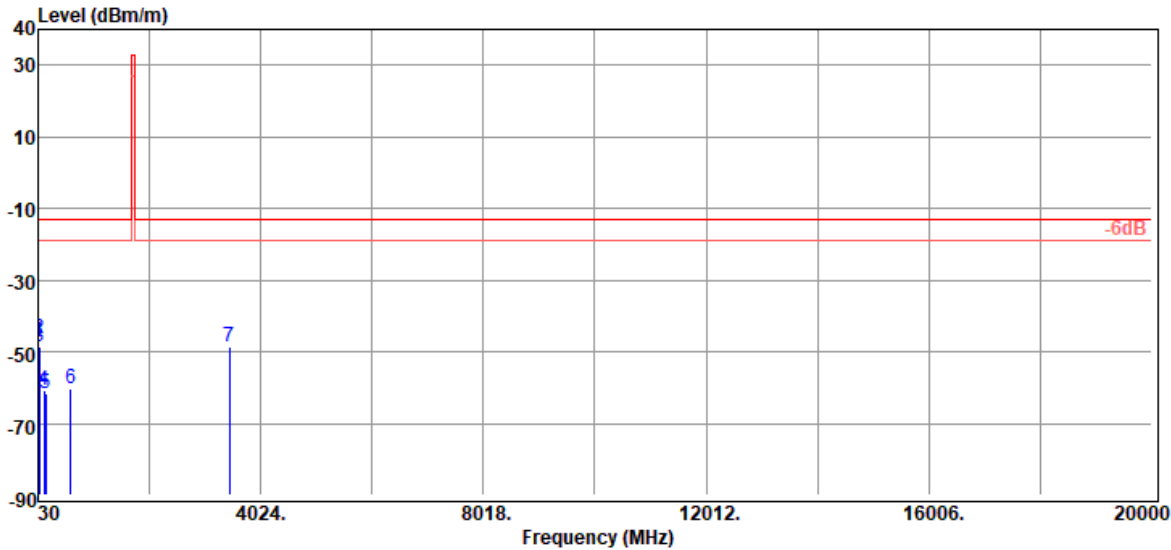
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :WCDMA B4
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :1732.6 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :23.1/52
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.97	-47.25	-26.00	-20.62	-0.63	-13.00	-34.25
40.67	-46.49	-26.61	-19.02	-0.86	-13.00	-33.49
45.52	-48.52	-29.28	-18.38	-0.86	-13.00	-35.52
144.46	-60.84	-51.53	-7.64	-1.67	-13.00	-47.84
163.86	-61.82	-53.46	-6.66	-1.70	-13.00	-48.82
608.12	-60.40	-54.66	-1.76	-3.98	-13.00	-47.40
3465.20	-48.82	-50.30	12.51	-11.03	-13.00	-35.82

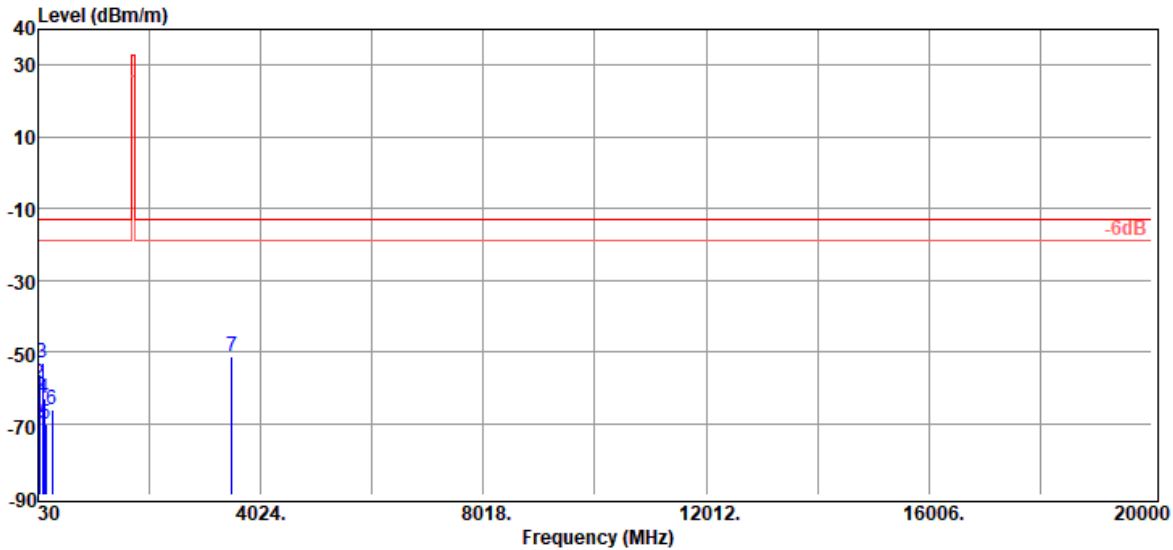
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Report Number :E2/2020/40009
Operation Mode :WCDMA B4
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :1752.6 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :23.1/52
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
35.82	-62.06	-41.66	-19.64	-0.76	-13.00	-49.06
46.49	-58.78	-39.63	-18.29	-0.86	-13.00	-45.78
108.57	-53.21	-44.80	-6.98	-1.43	-13.00	-40.21
139.61	-62.93	-53.63	-7.64	-1.66	-13.00	-49.93
167.74	-70.08	-61.90	-6.45	-1.73	-13.00	-57.08
288.02	-65.98	-61.82	-1.67	-2.49	-13.00	-52.98
3505.20	-51.17	-52.64	12.30	-10.83	-13.00	-38.17

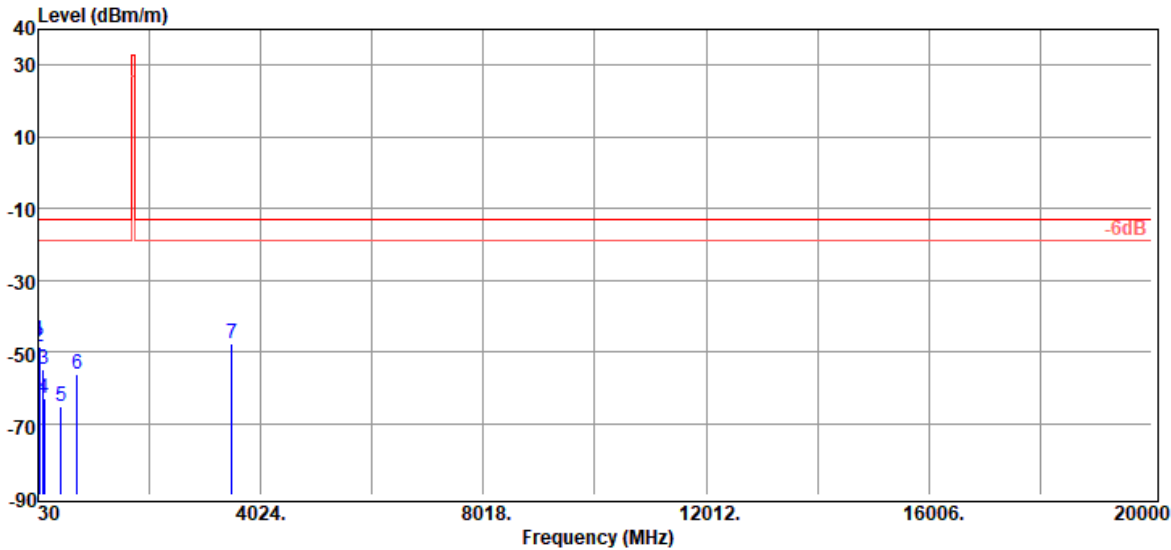
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :WCDMA B4
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :1752.6 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :23.1/52
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
30.97	-46.96	-25.71	-20.62	-0.63	-13.00	-33.96
45.52	-48.47	-29.23	-18.38	-0.86	-13.00	-35.47
117.30	-55.10	-46.56	-7.09	-1.45	-13.00	-42.10
139.61	-62.82	-53.52	-7.64	-1.66	-13.00	-49.82
436.43	-65.13	-60.77	-1.37	-2.99	-13.00	-52.13
731.31	-56.24	-50.50	-1.45	-4.29	-13.00	-43.24
3505.20	-47.68	-49.15	12.30	-10.83	-13.00	-34.68

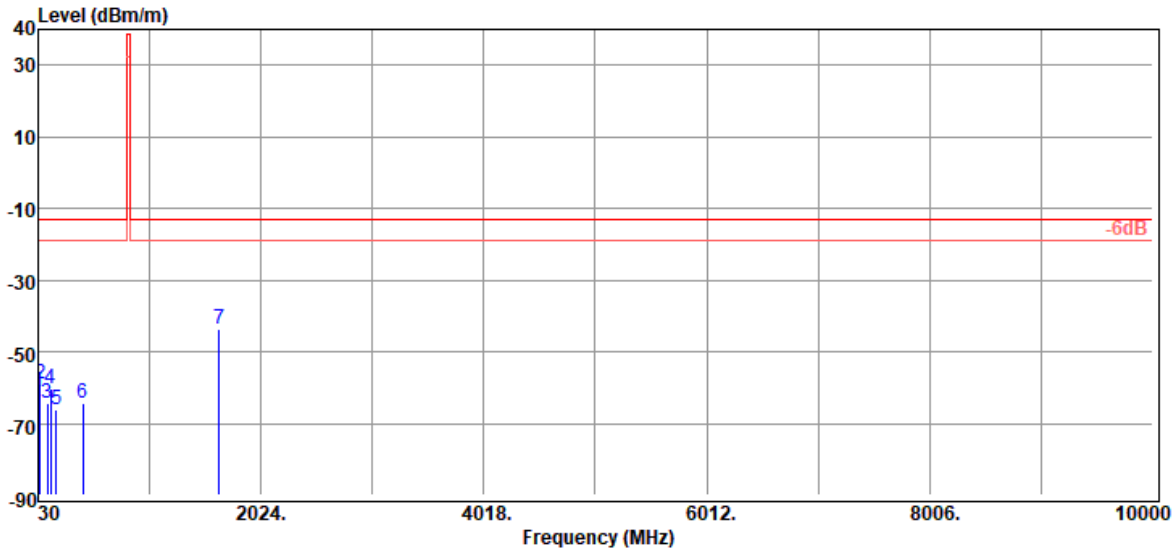
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :WCDMA B5
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :826.4 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :23.4/51
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.82	-61.37	-40.97	-19.64	-0.76	-13.00	-48.37
46.49	-59.10	-39.95	-18.29	-0.86	-13.00	-46.10
115.36	-64.18	-55.59	-7.14	-1.45	-13.00	-51.18
139.61	-60.28	-50.98	-7.64	-1.66	-13.00	-47.28
190.05	-66.06	-61.24	-2.95	-1.87	-13.00	-53.06
428.67	-64.49	-59.92	-1.44	-3.13	-13.00	-51.49
1652.80	-43.78	-45.56	9.33	-7.55	-13.00	-30.78

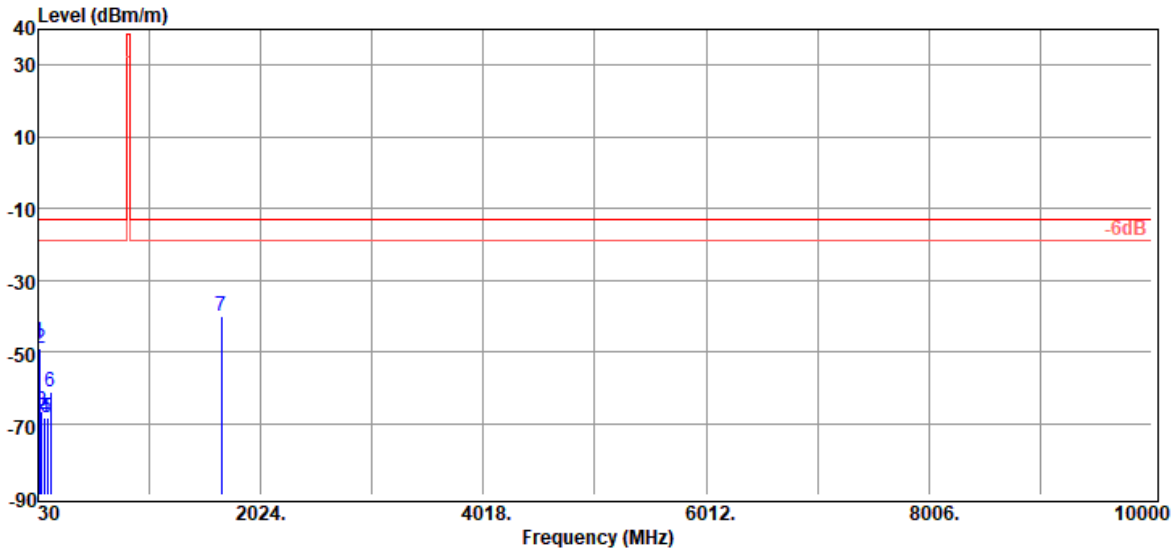
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Report Number :E2/2020/40009
Operation Mode :WCDMA B5
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :826.4 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :23.4/51
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
30.00	-47.25	-25.74	-20.90	-0.61	-13.00	-34.25
45.52	-48.89	-29.65	-18.38	-0.86	-13.00	-35.89
63.95	-66.68	-51.65	-14.03	-1.00	-13.00	-53.68
88.20	-68.57	-61.10	-6.31	-1.16	-13.00	-55.57
115.36	-68.40	-59.81	-7.14	-1.45	-13.00	-55.40
139.61	-61.15	-51.85	-7.64	-1.66	-13.00	-48.15
1673.20	-40.29	-42.14	9.53	-7.68	-13.00	-27.29

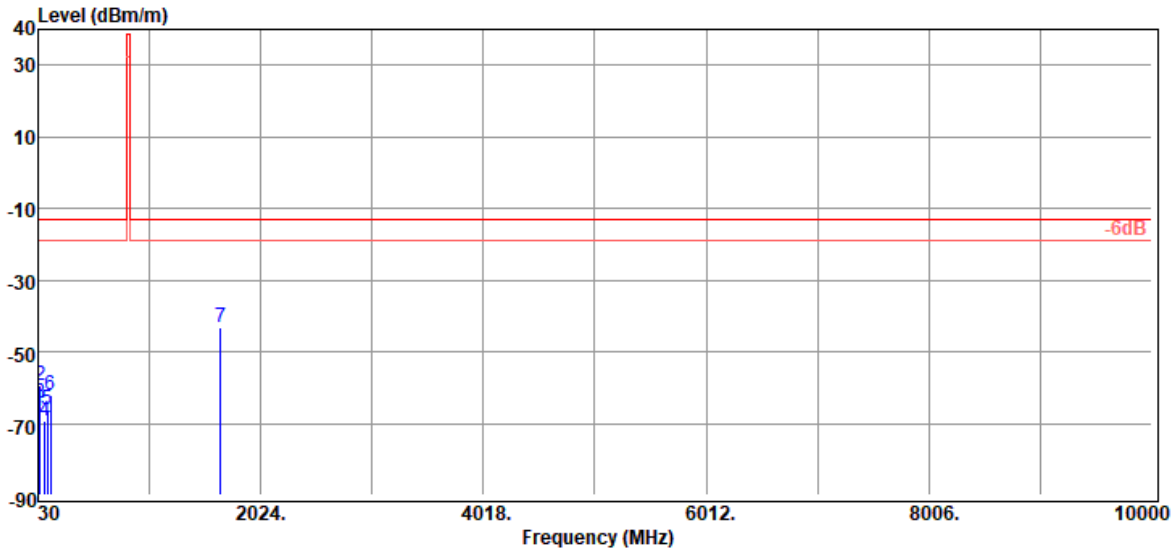
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :WCDMA B5
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :836.6 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :23.4/51
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
30.00	-66.58	-45.07	-20.90	-0.61	-13.00	-53.58
45.52	-59.28	-40.04	-18.38	-0.86	-13.00	-46.28
51.34	-64.24	-46.03	-17.33	-0.88	-13.00	-51.24
89.17	-69.28	-62.00	-6.12	-1.16	-13.00	-56.28
115.36	-66.11	-57.52	-7.14	-1.45	-13.00	-53.11
139.61	-61.89	-52.59	-7.64	-1.66	-13.00	-48.89
1666.00	-43.41	-45.24	9.46	-7.63	-13.00	-30.41

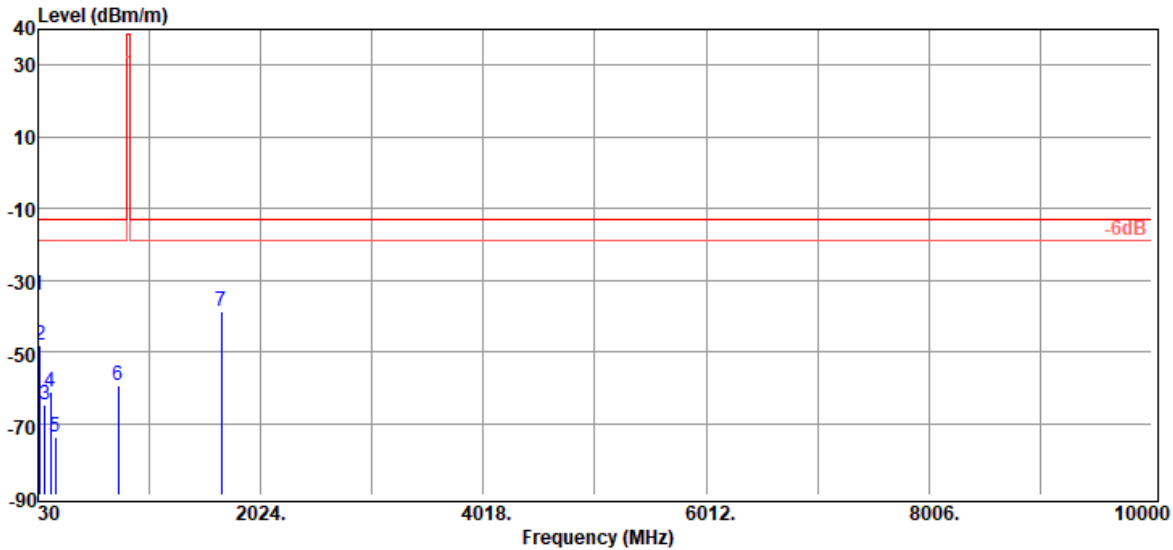
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :WCDMA B5
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :836.6 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :23.4/51
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
33.88	-34.15	-13.60	-19.84	-0.71	-13.00	-21.15
45.52	-48.36	-29.12	-18.38	-0.86	-13.00	-35.36
88.20	-64.65	-57.18	-6.31	-1.16	-13.00	-51.65
139.61	-61.42	-52.12	-7.64	-1.66	-13.00	-48.42
182.29	-73.88	-68.11	-4.00	-1.77	-13.00	-60.88
746.83	-59.23	-53.43	-1.61	-4.19	-13.00	-46.23
1673.20	-38.58	-40.43	9.53	-7.68	-13.00	-25.58

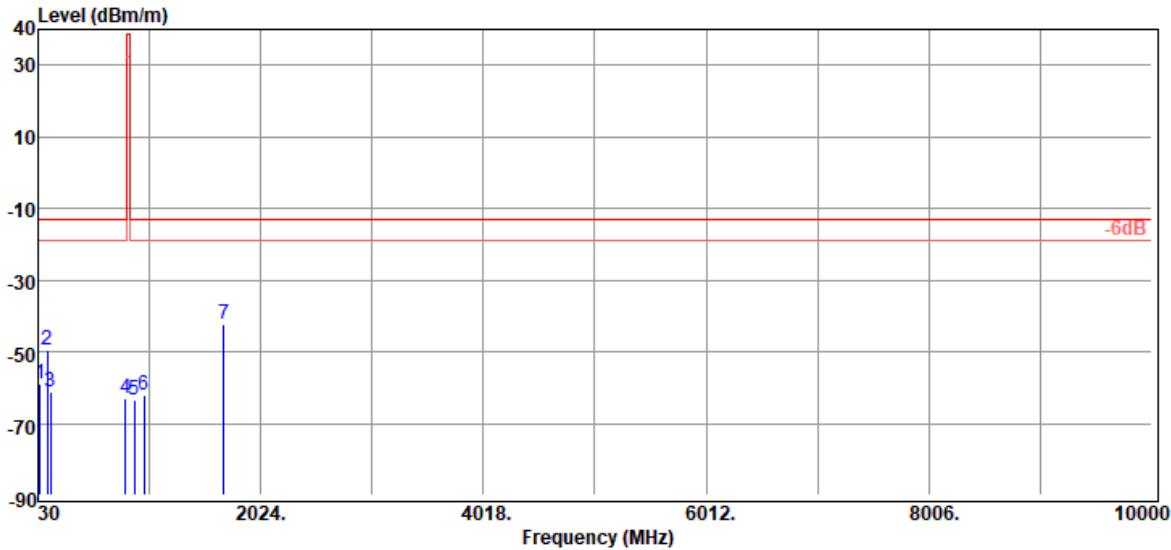
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :WCDMA B5
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :846.6 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :23.3/51
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
45.52	-58.83	-39.59	-18.38	-0.86	-13.00	-45.83
113.42	-49.32	-40.72	-7.15	-1.45	-13.00	-36.32
139.61	-61.39	-52.09	-7.64	-1.66	-13.00	-48.39
810.85	-62.80	-57.07	-1.48	-4.25	-13.00	-49.80
892.33	-63.33	-57.29	-1.43	-4.61	-13.00	-50.33
980.60	-62.05	-55.63	-1.51	-4.91	-13.00	-49.05
1693.20	-42.53	-44.45	9.73	-7.81	-13.00	-29.53

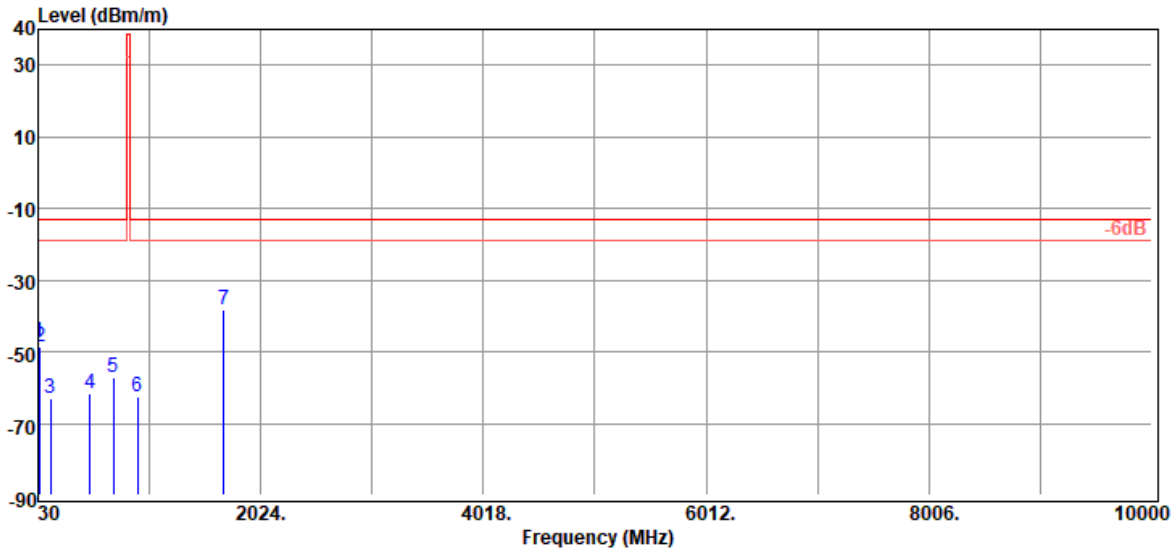
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :WCDMA B5
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :846.6 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :23.3/51
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
30.00	-47.17	-25.66	-20.90	-0.61	-13.00	-34.17
46.49	-48.81	-29.66	-18.29	-0.86	-13.00	-35.81
139.61	-62.84	-53.54	-7.64	-1.66	-13.00	-49.84
491.72	-61.66	-57.13	-1.04	-3.49	-13.00	-48.66
705.12	-57.36	-51.99	-1.28	-4.09	-13.00	-44.36
918.52	-62.76	-56.18	-1.72	-4.86	-13.00	-49.76
1693.20	-38.49	-40.41	9.73	-7.81	-13.00	-25.49

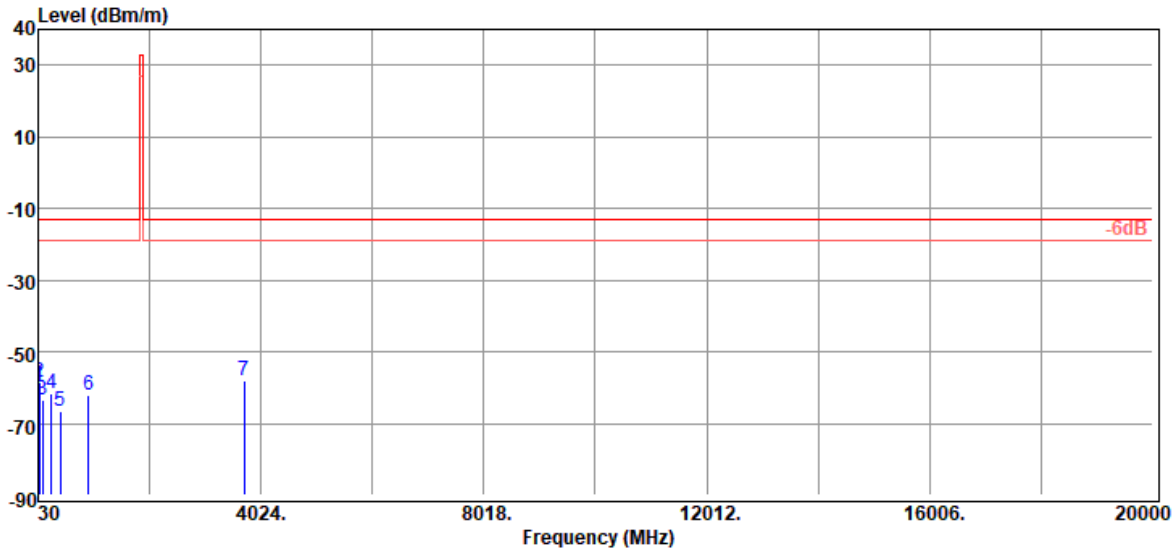
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B2
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :1860 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.8/57
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
46.49	-59.35	-40.20	-18.29	-0.86	-13.00	-46.35
50.37	-58.68	-40.31	-17.50	-0.87	-13.00	-45.68
113.42	-63.38	-54.78	-7.15	-1.45	-13.00	-50.38
268.62	-61.88	-58.01	-1.60	-2.27	-13.00	-48.88
420.91	-66.51	-62.08	-1.30	-3.13	-13.00	-53.51
936.95	-62.23	-55.70	-1.70	-4.83	-13.00	-49.23
3720.00	-57.93	-59.02	12.34	-11.25	-13.00	-44.93

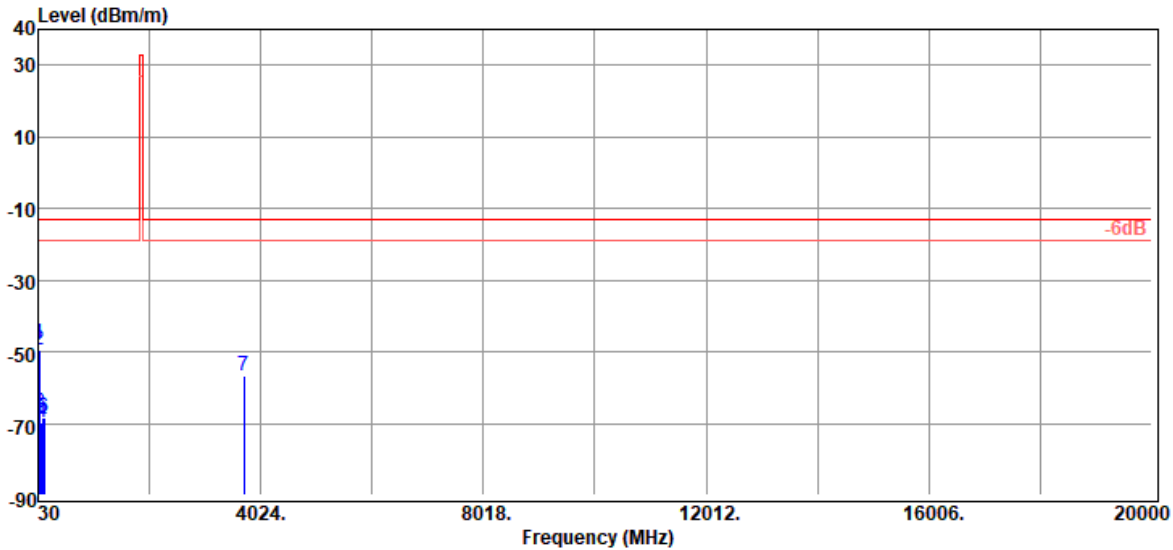
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B2
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :1860 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.8/57
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
30.00	-47.49	-25.98	-20.90	-0.61	-13.00	-34.49
45.52	-49.65	-30.41	-18.38	-0.86	-13.00	-36.65
63.95	-66.92	-51.89	-14.03	-1.00	-13.00	-53.92
89.17	-69.72	-62.44	-6.12	-1.16	-13.00	-56.72
113.42	-68.55	-59.95	-7.15	-1.45	-13.00	-55.55
139.61	-68.28	-58.98	-7.64	-1.66	-13.00	-55.28
3720.00	-56.53	-57.62	12.34	-11.25	-13.00	-43.53

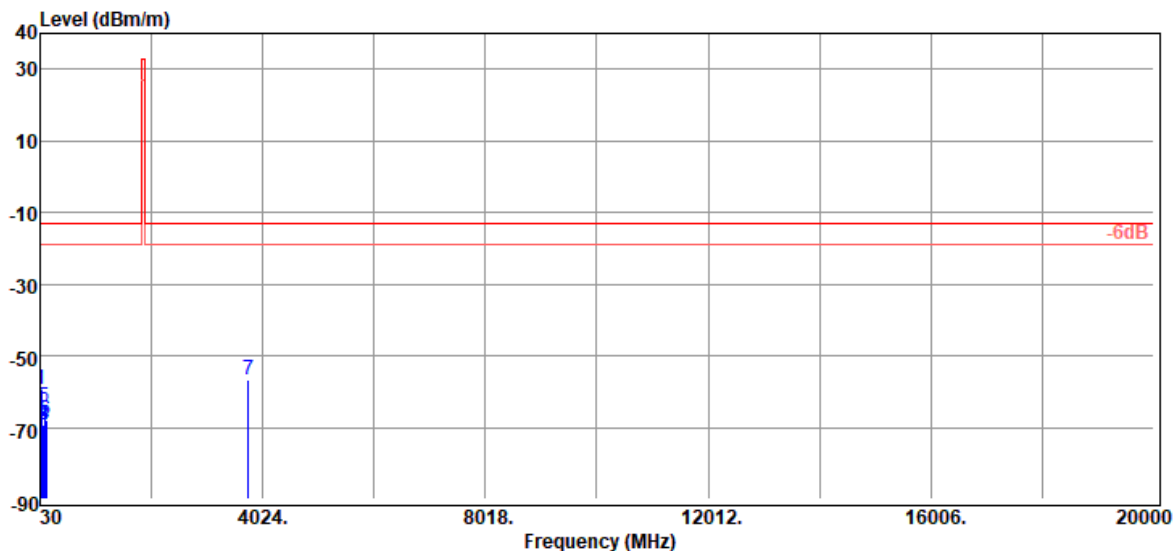
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B2
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :1880 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.8/57
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
46.49	-59.46	-40.31	-18.29	-0.86	-13.00	-46.46
64.92	-69.24	-54.53	-13.71	-1.00	-13.00	-56.24
90.14	-69.36	-62.25	-5.95	-1.16	-13.00	-56.36
100.81	-69.19	-61.52	-6.33	-1.34	-13.00	-56.19
115.36	-64.22	-55.63	-7.14	-1.45	-13.00	-51.22
139.61	-67.76	-58.46	-7.64	-1.66	-13.00	-54.76
3760.00	-56.63	-57.97	12.42	-11.08	-13.00	-43.63

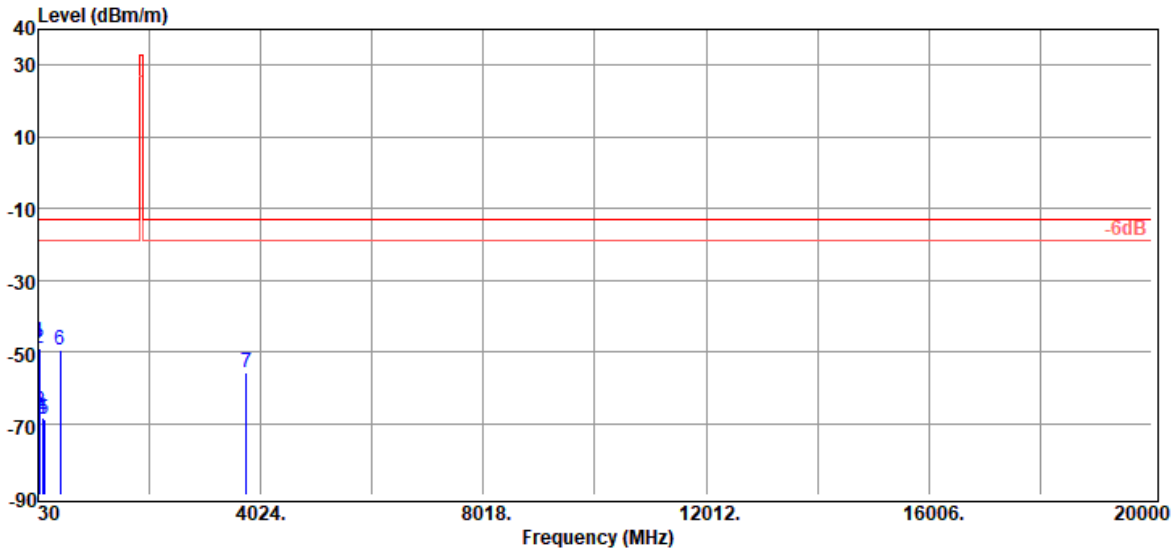
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B2
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :1880 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.8/57
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
30.00	-47.36	-25.85	-20.90	-0.61	-13.00	-34.36
45.52	-48.90	-29.66	-18.38	-0.86	-13.00	-35.90
63.95	-66.76	-51.73	-14.03	-1.00	-13.00	-53.76
114.39	-68.21	-59.65	-7.11	-1.45	-13.00	-55.21
139.61	-69.02	-59.72	-7.64	-1.66	-13.00	-56.02
420.91	-49.59	-45.16	-1.30	-3.13	-13.00	-36.59
3760.00	-55.95	-57.29	12.42	-11.08	-13.00	-42.95

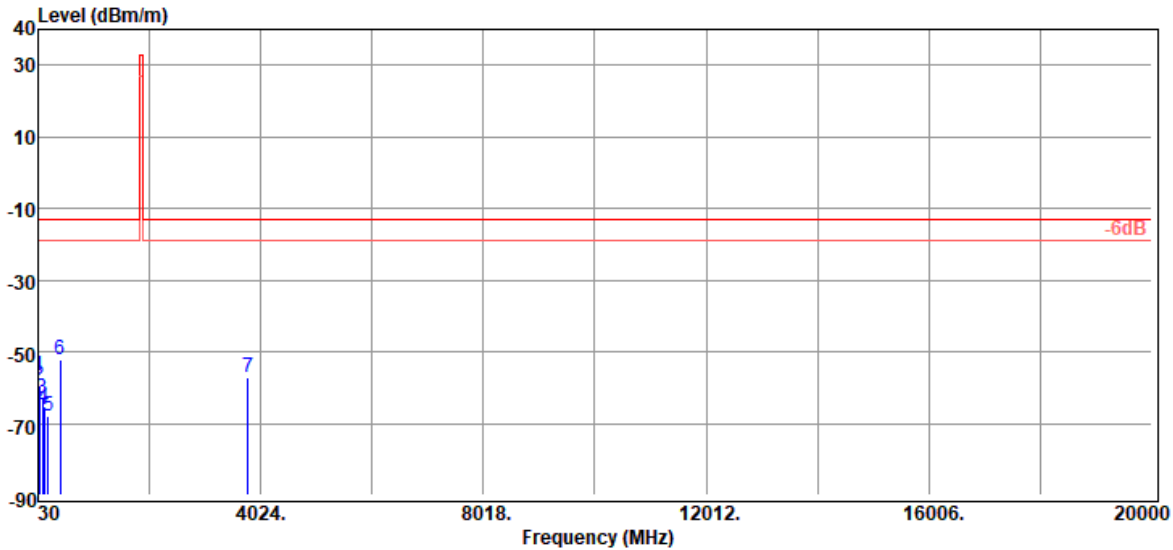
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B2
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :1900 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.8/57
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
40.67	-56.51	-36.63	-19.02	-0.86	-13.00	-43.51
46.49	-59.22	-40.07	-18.29	-0.86	-13.00	-46.22
115.36	-63.23	-54.64	-7.14	-1.45	-13.00	-50.23
139.61	-65.56	-56.26	-7.64	-1.66	-13.00	-52.56
217.21	-67.77	-64.26	-1.35	-2.16	-13.00	-54.77
420.91	-52.10	-47.67	-1.30	-3.13	-13.00	-39.10
3800.00	-56.99	-58.57	12.50	-10.92	-13.00	-43.99

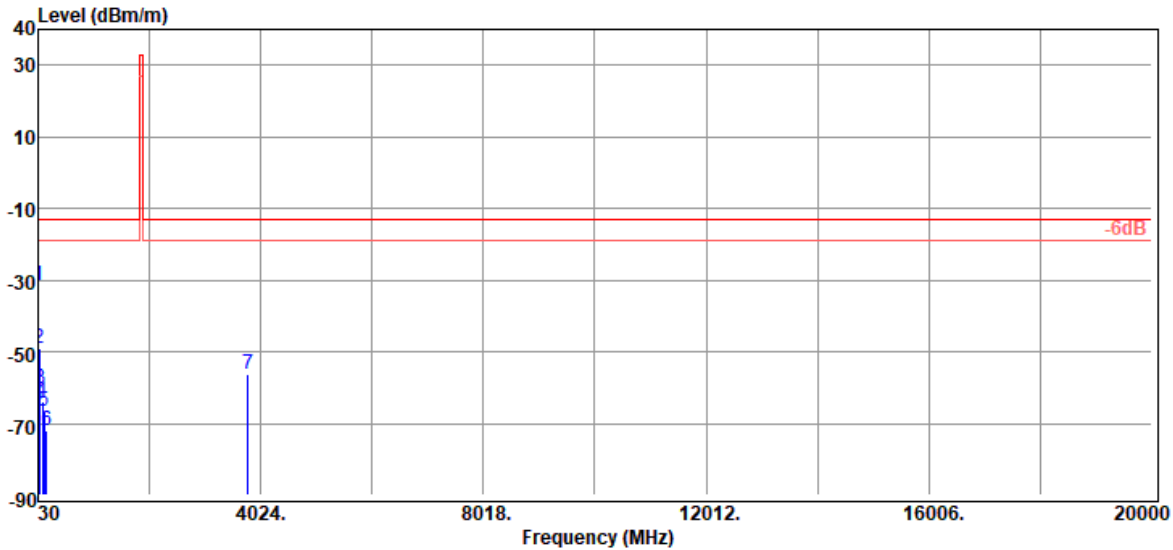
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Report Number :E2/2020/40009
Operation Mode :LTE B2
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :1900 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.8/57
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
39.70	-31.55	-11.56	-19.14	-0.85	-13.00	-18.55
45.52	-49.17	-29.93	-18.38	-0.86	-13.00	-36.17
62.98	-60.22	-44.96	-14.26	-1.00	-13.00	-47.22
114.39	-64.04	-55.48	-7.11	-1.45	-13.00	-51.04
140.58	-66.46	-57.16	-7.64	-1.66	-13.00	-53.46
182.29	-72.09	-66.32	-4.00	-1.77	-13.00	-59.09
3800.00	-56.24	-57.82	12.50	-10.92	-13.00	-43.24

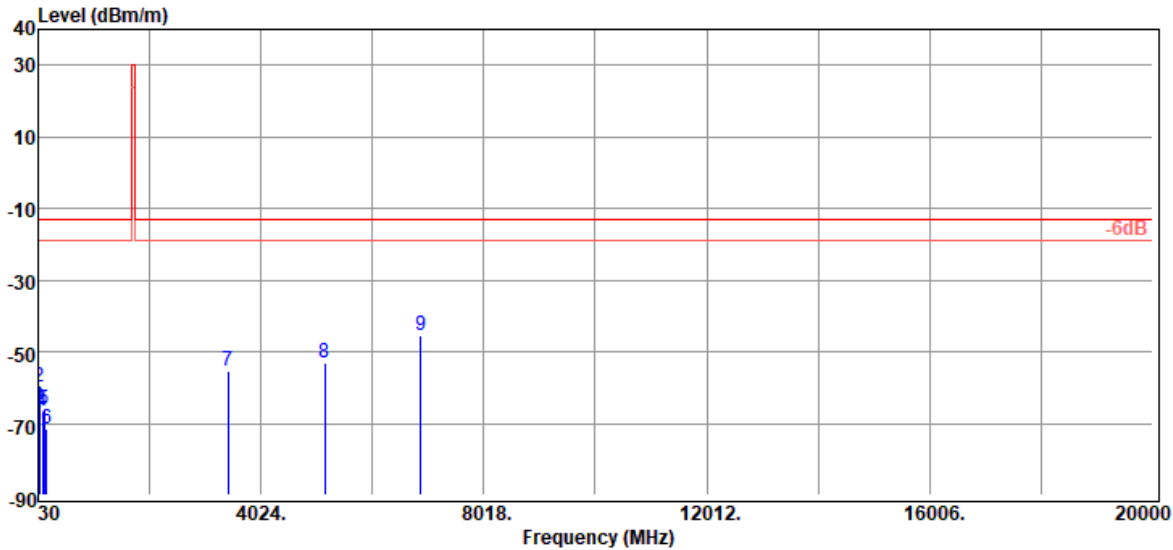
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B4
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :1720 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.8/57
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
30.97	-66.84	-45.59	-20.62	-0.63	-13.00	-53.84
46.49	-59.65	-40.50	-18.29	-0.86	-13.00	-46.65
51.34	-65.32	-47.11	-17.33	-0.88	-13.00	-52.32
116.33	-66.81	-58.23	-7.13	-1.45	-13.00	-53.81
140.58	-66.38	-57.08	-7.64	-1.66	-13.00	-53.38
182.29	-71.62	-65.85	-4.00	-1.77	-13.00	-58.62
3440.00	-55.24	-56.67	12.62	-11.19	-13.00	-42.24
5160.00	-53.22	-53.89	12.54	-11.87	-13.00	-40.22
6880.00	-45.58	-45.59	12.28	-12.27	-13.00	-32.58

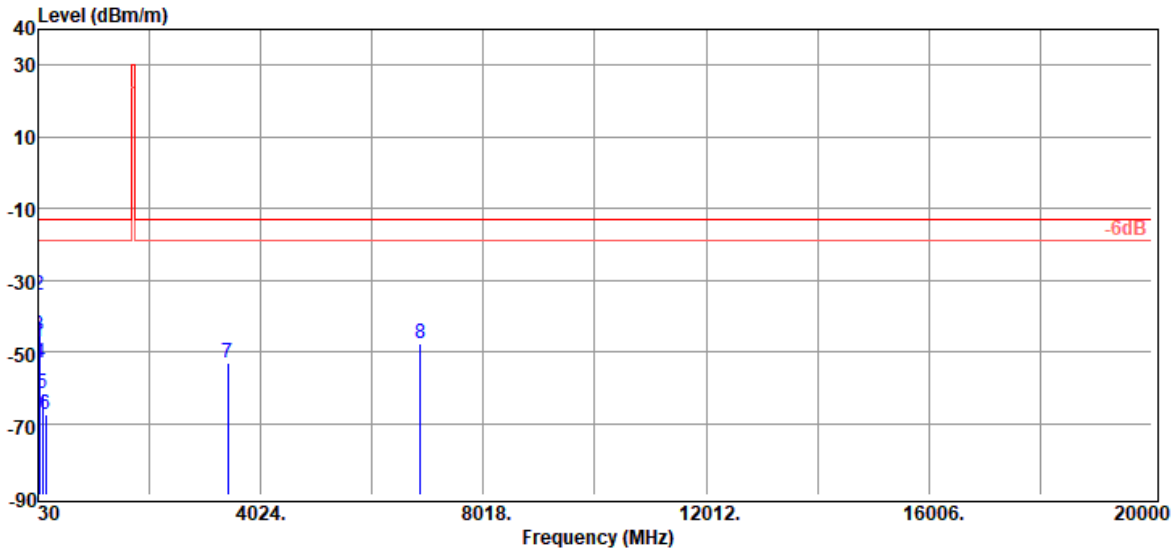
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B4
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :1720 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.8/57
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.97	-47.41	-26.16	-20.62	-0.63	-13.00	-34.41
36.79	-34.09	-13.88	-19.43	-0.78	-13.00	-21.09
48.43	-45.34	-26.59	-17.89	-0.86	-13.00	-32.34
62.01	-53.05	-37.46	-14.59	-1.00	-13.00	-40.05
113.42	-61.51	-52.91	-7.15	-1.45	-13.00	-48.51
166.77	-67.37	-59.15	-6.50	-1.72	-13.00	-54.37
3440.00	-53.32	-54.75	12.62	-11.19	-13.00	-40.32
6880.00	-47.51	-47.52	12.28	-12.27	-13.00	-34.51

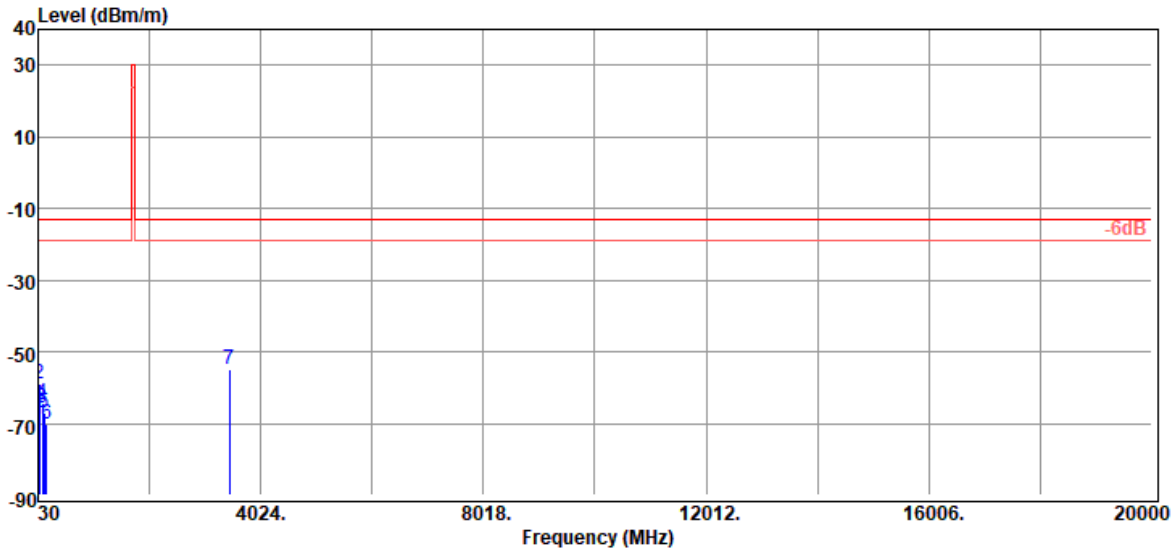
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Report Number :E2/2020/40009
Operation Mode :LTE B4
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :1732.5 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.8/57
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
35.82	-66.46	-46.06	-19.64	-0.76	-13.00	-53.46
45.52	-59.08	-39.84	-18.38	-0.86	-13.00	-46.08
104.69	-65.68	-57.51	-6.78	-1.39	-13.00	-52.68
113.42	-64.24	-55.64	-7.15	-1.45	-13.00	-51.24
139.61	-66.92	-57.62	-7.64	-1.66	-13.00	-53.92
182.29	-70.43	-64.66	-4.00	-1.77	-13.00	-57.43
3465.00	-55.05	-56.53	12.51	-11.03	-13.00	-42.05

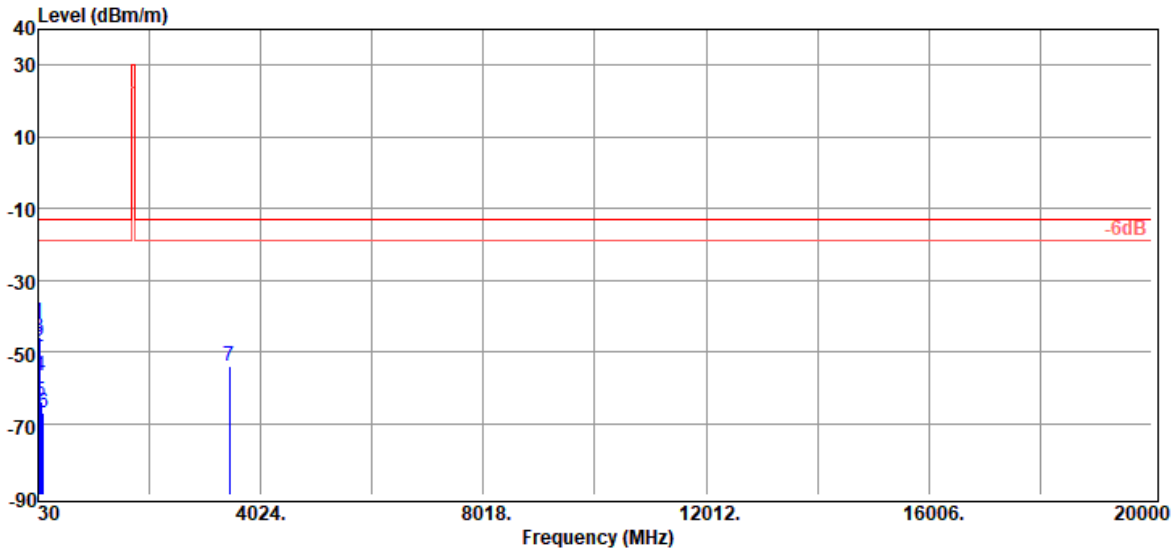
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B4
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :1732.5 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.8/57
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
34.85	-42.00	-21.50	-19.77	-0.73	-13.00	-29.00
45.52	-48.76	-29.52	-18.38	-0.86	-13.00	-35.76
50.37	-46.13	-27.76	-17.50	-0.87	-13.00	-33.13
63.95	-56.72	-41.69	-14.03	-1.00	-13.00	-43.72
82.38	-64.02	-55.18	-7.68	-1.16	-13.00	-51.02
122.15	-66.94	-58.43	-7.01	-1.50	-13.00	-53.94
3465.00	-53.95	-55.43	12.51	-11.03	-13.00	-40.95

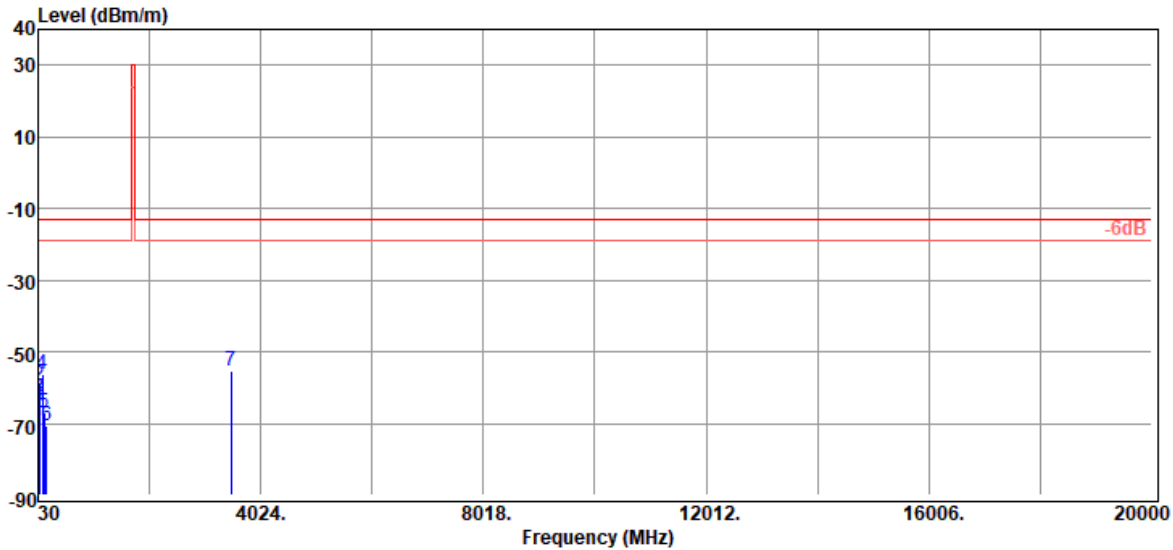
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B4
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :1745 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.8/57
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.82	-64.55	-44.15	-19.64	-0.76	-13.00	-51.55
45.52	-59.33	-40.09	-18.38	-0.86	-13.00	-46.33
54.25	-62.95	-45.30	-16.73	-0.92	-13.00	-49.95
114.39	-56.43	-47.87	-7.11	-1.45	-13.00	-43.43
139.61	-66.89	-57.59	-7.64	-1.66	-13.00	-53.89
181.32	-70.44	-64.54	-4.14	-1.76	-13.00	-57.44
3490.00	-55.44	-56.93	12.36	-10.87	-13.00	-42.44

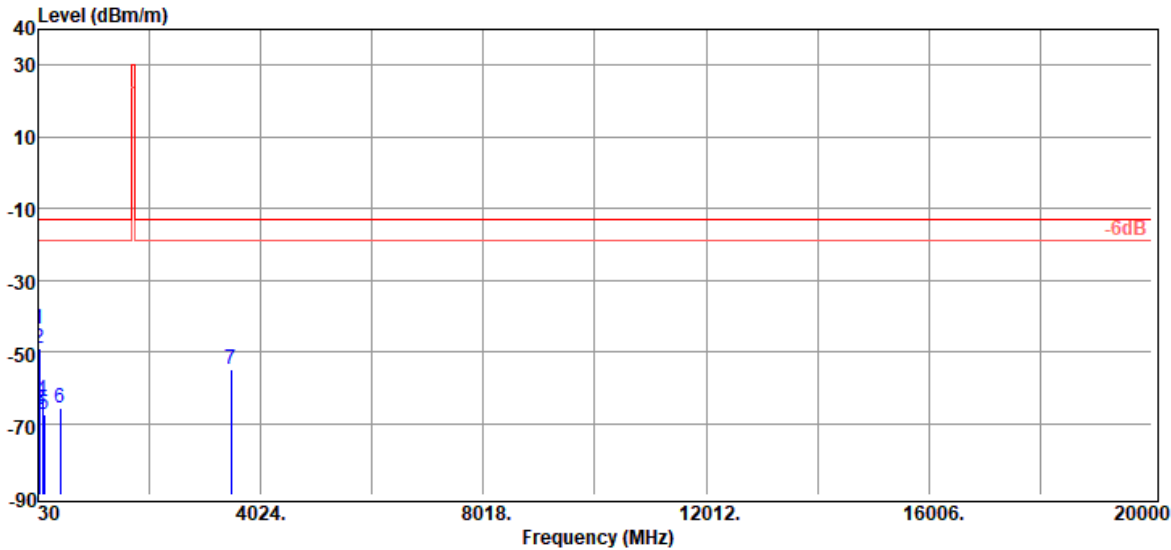
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B4
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :1745 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.8/57
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
34.85	-43.74	-23.24	-19.77	-0.73	-13.00	-30.74
45.52	-48.92	-29.68	-18.38	-0.86	-13.00	-35.92
62.98	-66.26	-51.00	-14.26	-1.00	-13.00	-53.26
115.36	-63.37	-54.78	-7.14	-1.45	-13.00	-50.37
139.61	-67.52	-58.22	-7.64	-1.66	-13.00	-54.52
431.58	-65.67	-61.13	-1.44	-3.10	-13.00	-52.67
3490.00	-54.99	-56.48	12.36	-10.87	-13.00	-41.99

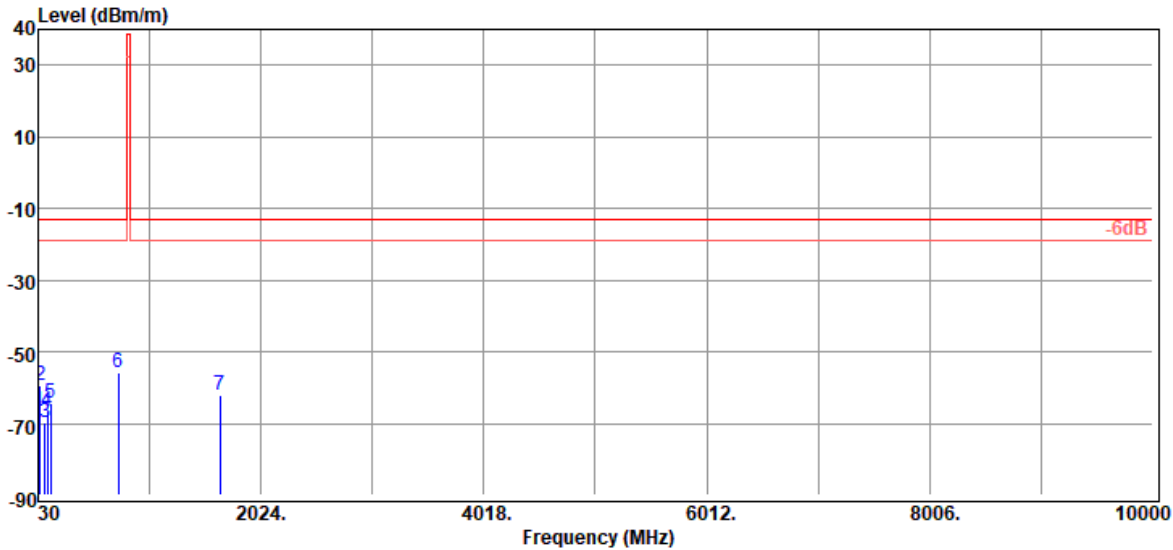
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Report Number :E2/2020/40009
 Operation Mode :LTE B5
 Test Mode :TX CH LOW
 EUT Pol :E2 Plan
 Test Frequency :829 MHz

Test Site :966 Chamber C
 Test Date :2020-07-01
 Temp./Humi. :23.5/56
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
30.97	-66.54	-45.29	-20.62	-0.63	-13.00	-53.54
46.49	-59.28	-40.13	-18.29	-0.86	-13.00	-46.28
89.17	-69.70	-62.42	-6.12	-1.16	-13.00	-56.70
115.36	-66.47	-57.88	-7.14	-1.45	-13.00	-53.47
139.61	-64.28	-54.98	-7.64	-1.66	-13.00	-51.28
747.80	-55.86	-50.05	-1.62	-4.19	-13.00	-42.86
1658.00	-62.33	-64.13	9.38	-7.58	-13.00	-49.33

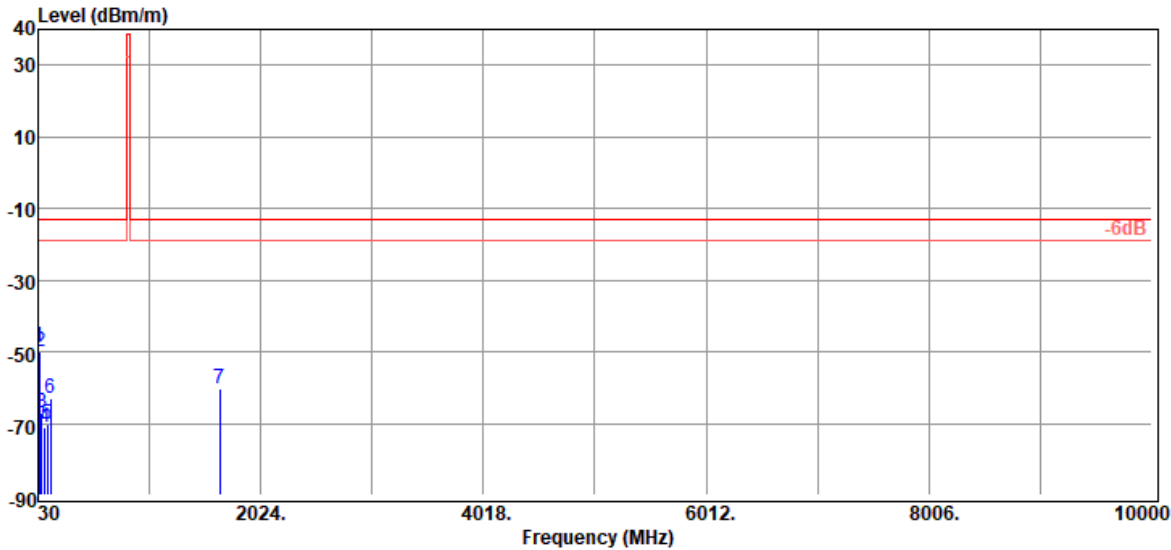
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
 Operation Mode :LTE B5
 Test Mode :TX CH LOW
 EUT Pol :E2 Plan
 Test Frequency :829 MHz

Test Site :966 Chamber C
 Test Date :2020-07-01
 Temp./Humi. :23.5/56
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
30.97	-48.50	-27.25	-20.62	-0.63	-13.00	-35.50
44.55	-50.15	-30.78	-18.51	-0.86	-13.00	-37.15
63.95	-66.86	-51.83	-14.03	-1.00	-13.00	-53.86
90.14	-71.16	-64.05	-5.95	-1.16	-13.00	-58.16
115.36	-70.36	-61.77	-7.14	-1.45	-13.00	-57.36
139.61	-63.11	-53.81	-7.64	-1.66	-13.00	-50.11
1658.00	-60.24	-62.04	9.38	-7.58	-13.00	-47.24

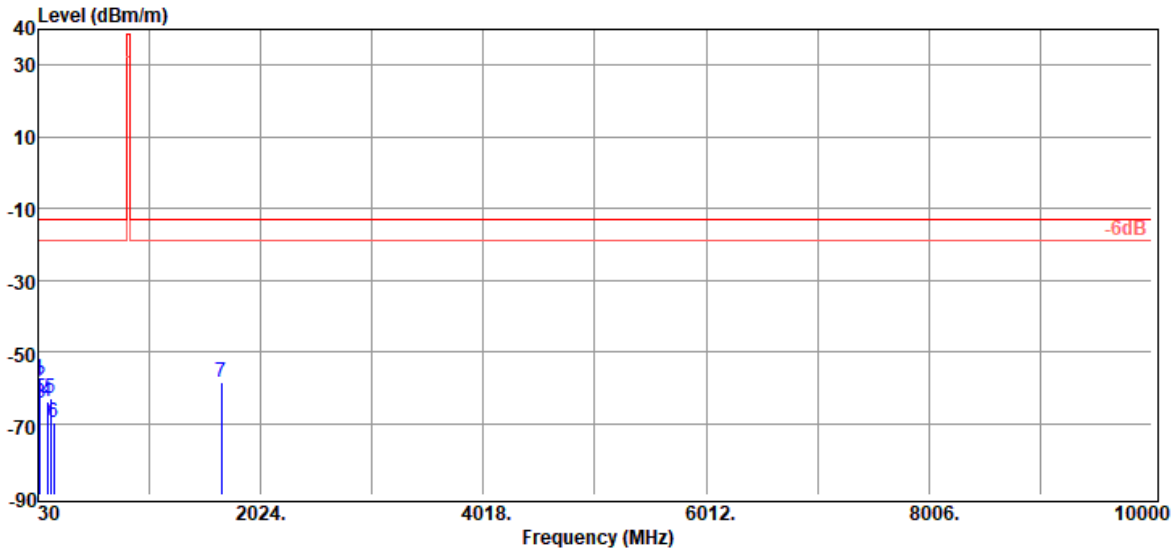
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B5
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :836.5 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.5/56
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
37.76	-57.83	-37.68	-19.35	-0.80	-13.00	-44.83
46.49	-59.19	-40.04	-18.29	-0.86	-13.00	-46.19
51.34	-64.40	-46.19	-17.33	-0.88	-13.00	-51.40
112.45	-63.76	-55.14	-7.17	-1.45	-13.00	-50.76
139.61	-63.04	-53.74	-7.64	-1.66	-13.00	-50.04
167.74	-69.66	-61.48	-6.45	-1.73	-13.00	-56.66
1673.00	-58.44	-60.29	9.53	-7.68	-13.00	-45.44

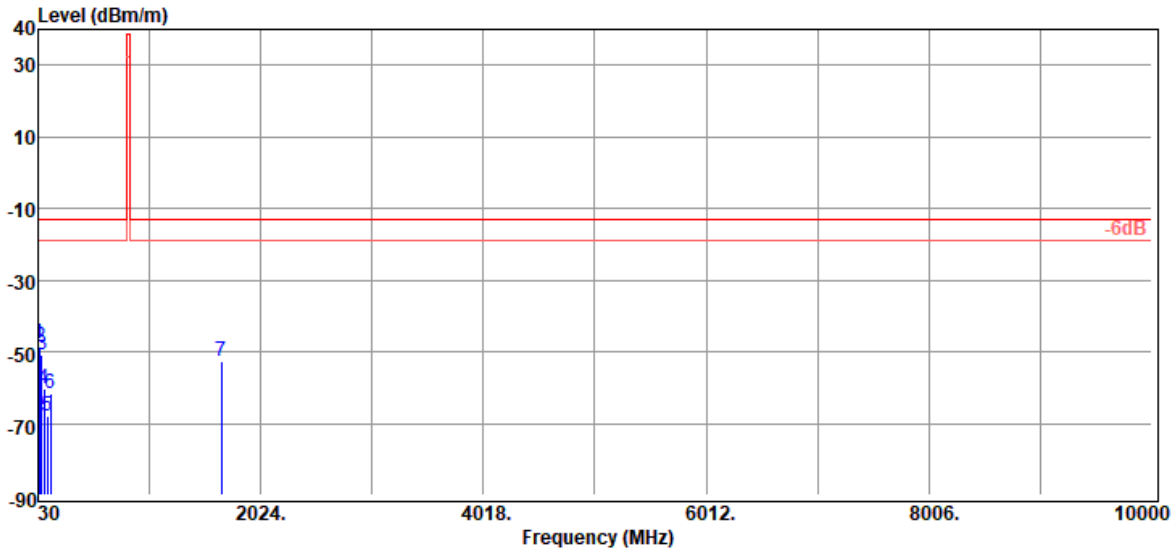
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B5
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :836.5 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.5/56
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
30.97	-47.62	-26.37	-20.62	-0.63	-13.00	-34.62
45.52	-48.62	-29.38	-18.38	-0.86	-13.00	-35.62
61.04	-50.69	-34.77	-14.92	-1.00	-13.00	-37.69
86.26	-60.41	-52.58	-6.67	-1.16	-13.00	-47.41
114.39	-67.97	-59.41	-7.11	-1.45	-13.00	-54.97
139.61	-61.53	-52.23	-7.64	-1.66	-13.00	-48.53
1673.00	-52.50	-54.35	9.53	-7.68	-13.00	-39.50

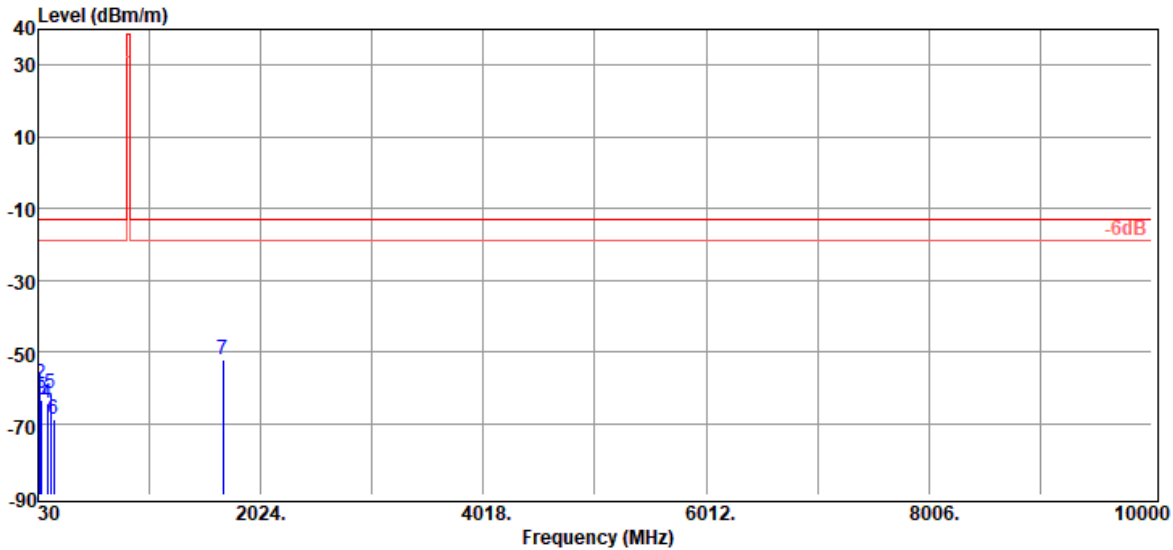
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B5
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :844 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.5/56
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.91	-61.72	-40.95	-20.09	-0.68	-13.00	-48.72
46.49	-59.13	-39.98	-18.29	-0.86	-13.00	-46.13
64.92	-63.32	-48.61	-13.71	-1.00	-13.00	-50.32
114.39	-64.21	-55.65	-7.11	-1.45	-13.00	-51.21
139.61	-61.65	-52.35	-7.64	-1.66	-13.00	-48.65
168.71	-68.73	-60.68	-6.32	-1.73	-13.00	-55.73
1688.00	-52.28	-54.19	9.68	-7.77	-13.00	-39.28

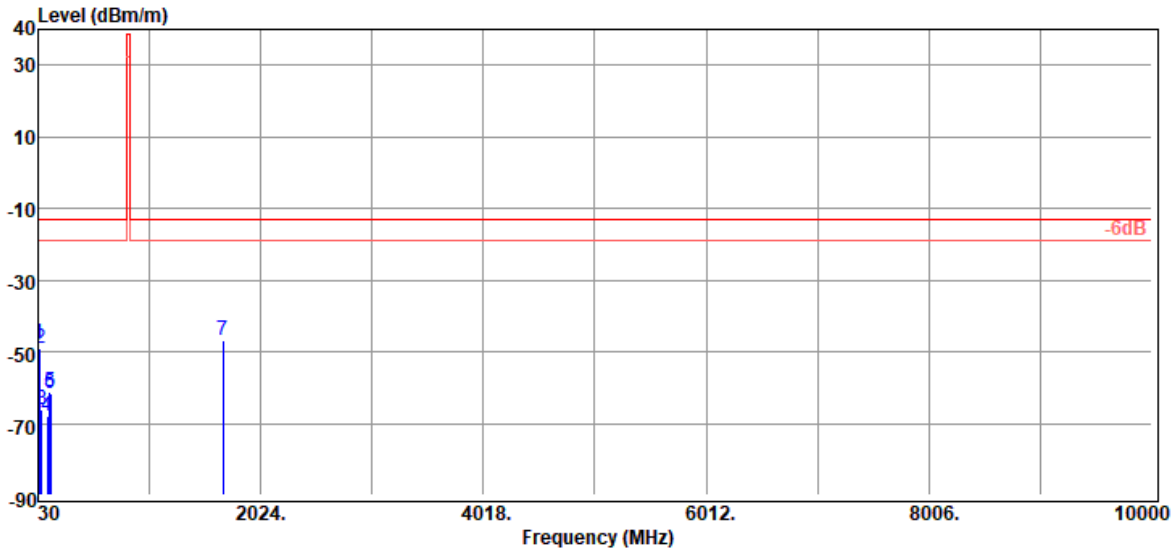
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B5
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :844 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.5/56
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
30.00	-47.56	-26.05	-20.90	-0.61	-13.00	-34.56
45.52	-48.96	-29.72	-18.38	-0.86	-13.00	-35.96
63.95	-66.38	-51.35	-14.03	-1.00	-13.00	-53.38
114.39	-67.95	-59.39	-7.11	-1.45	-13.00	-54.95
131.85	-60.99	-52.01	-7.32	-1.66	-13.00	-47.99
139.61	-61.78	-52.48	-7.64	-1.66	-13.00	-48.78
1688.00	-46.69	-48.60	9.68	-7.77	-13.00	-33.69

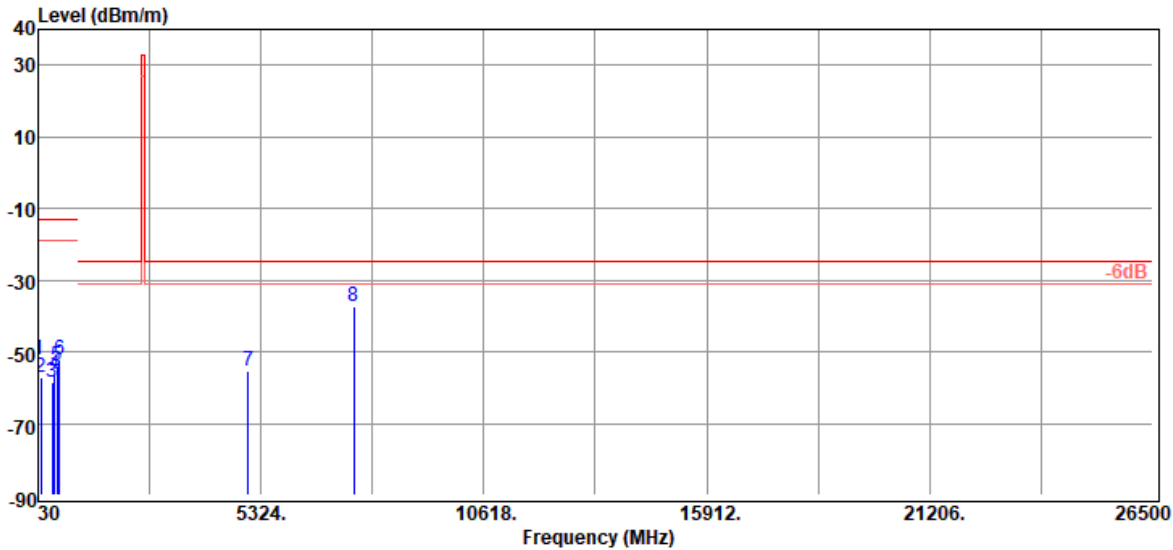
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Report Number :E2/2020/40009
Operation Mode :LTE B7
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :2510 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.8/57
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
34.85	-52.19	-31.69	-19.77	-0.73	-13.00	-39.19
97.90	-57.23	-49.93	-6.01	-1.29	-13.00	-44.23
364.65	-58.55	-54.34	-1.48	-2.73	-13.00	-45.55
426.73	-56.20	-51.67	-1.40	-3.13	-13.00	-43.20
486.87	-54.14	-49.67	-1.10	-3.37	-13.00	-41.14
547.01	-52.18	-47.26	-1.28	-3.64	-13.00	-39.18
5020.00	-55.30	-56.30	12.46	-11.46	-25.00	-30.30
7530.00	-37.58	-36.13	11.42	-12.87	-25.00	-12.58

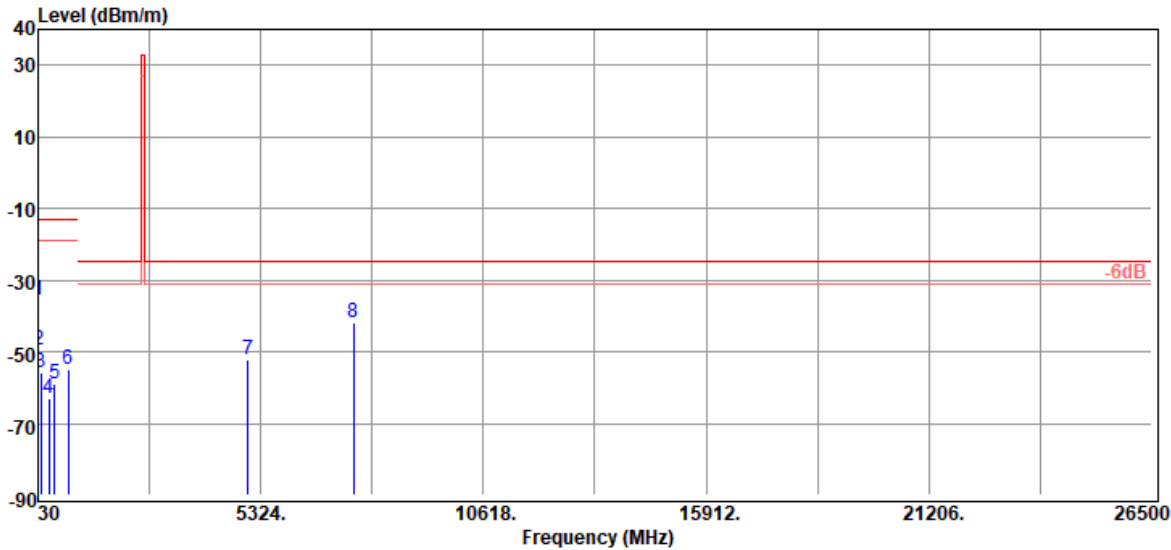
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B7
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :2510 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.8/57
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.91	-35.45	-14.68	-20.09	-0.68	-13.00	-22.45
46.49	-49.71	-30.56	-18.29	-0.86	-13.00	-36.71
96.93	-55.81	-48.64	-5.89	-1.28	-13.00	-42.81
290.93	-63.07	-58.90	-1.66	-2.51	-13.00	-50.07
425.76	-58.78	-54.26	-1.39	-3.13	-13.00	-45.78
746.83	-54.75	-48.95	-1.61	-4.19	-13.00	-41.75
5020.00	-52.27	-53.27	12.46	-11.46	-25.00	-27.27
7530.00	-42.07	-40.62	11.42	-12.87	-25.00	-17.07

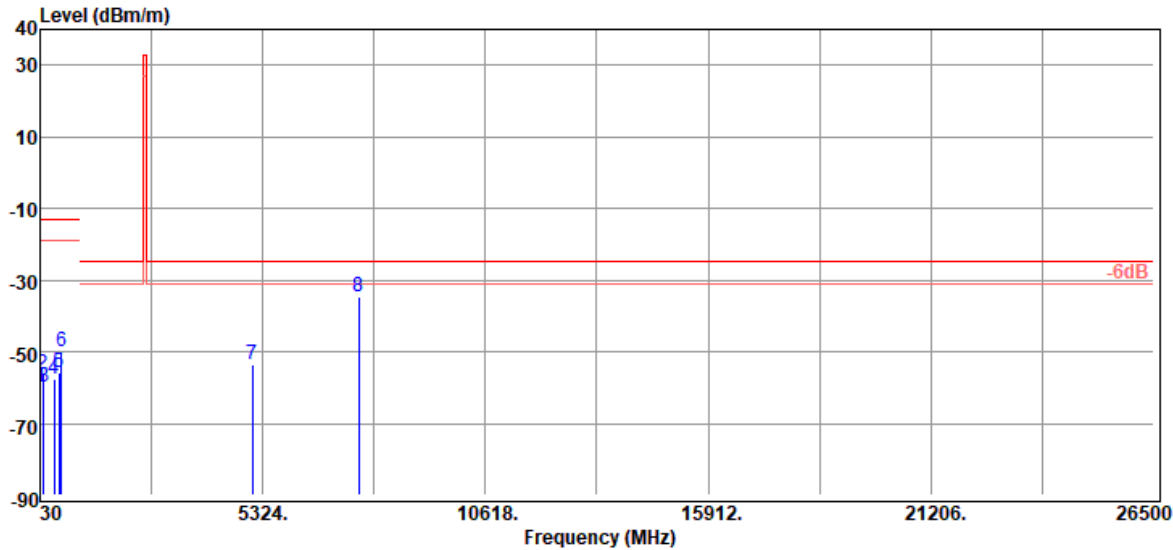
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Report Number :E2/2020/40009
Operation Mode :LTE B7
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :2535 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.8/57
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
47.46	-59.79	-40.86	-18.07	-0.86	-13.00	-46.79
96.93	-56.29	-49.12	-5.89	-1.28	-13.00	-43.29
124.09	-60.04	-51.43	-7.07	-1.54	-13.00	-47.04
363.68	-57.62	-53.45	-1.47	-2.70	-13.00	-44.62
486.87	-55.87	-51.40	-1.10	-3.37	-13.00	-42.87
547.01	-49.89	-44.97	-1.28	-3.64	-13.00	-36.89
5070.00	-53.77	-54.57	12.40	-11.60	-25.00	-28.77
7605.00	-34.80	-33.44	11.52	-12.88	-25.00	-9.80

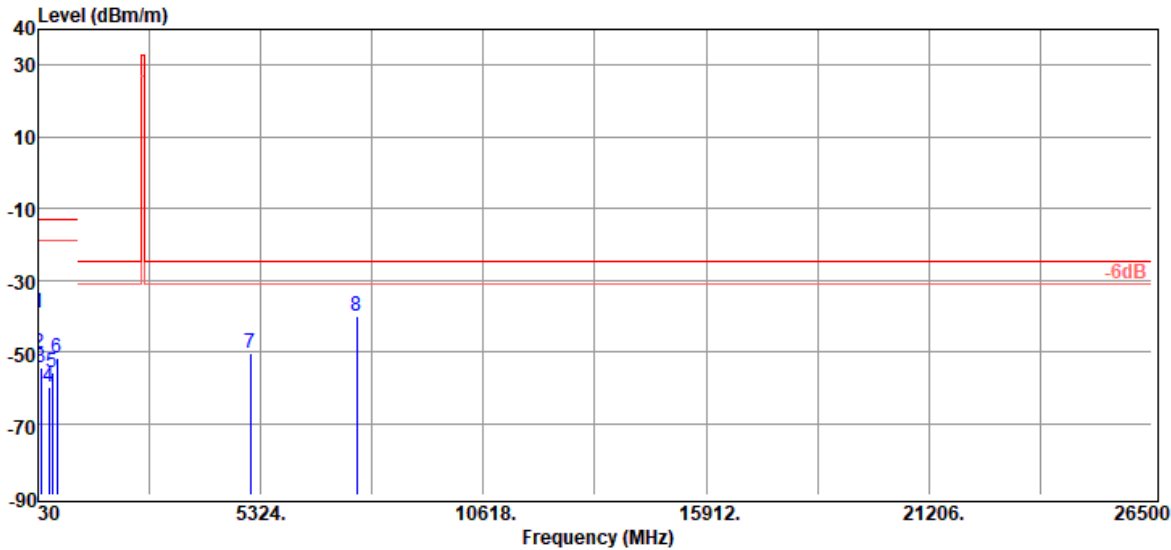
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Report Number :E2/2020/40009
Operation Mode :LTE B7
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :2535 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.8/57
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
37.76	-39.31	-19.16	-19.35	-0.80	-13.00	-26.31
47.46	-50.24	-31.31	-18.07	-0.86	-13.00	-37.24
97.90	-54.54	-47.24	-6.01	-1.29	-13.00	-41.54
297.72	-59.79	-55.76	-1.52	-2.51	-13.00	-46.79
365.62	-55.64	-51.38	-1.49	-2.77	-13.00	-42.64
485.90	-51.90	-47.46	-1.11	-3.33	-13.00	-38.90
5070.00	-50.58	-51.38	12.40	-11.60	-25.00	-25.58
7605.00	-39.85	-38.49	11.52	-12.88	-25.00	-14.85

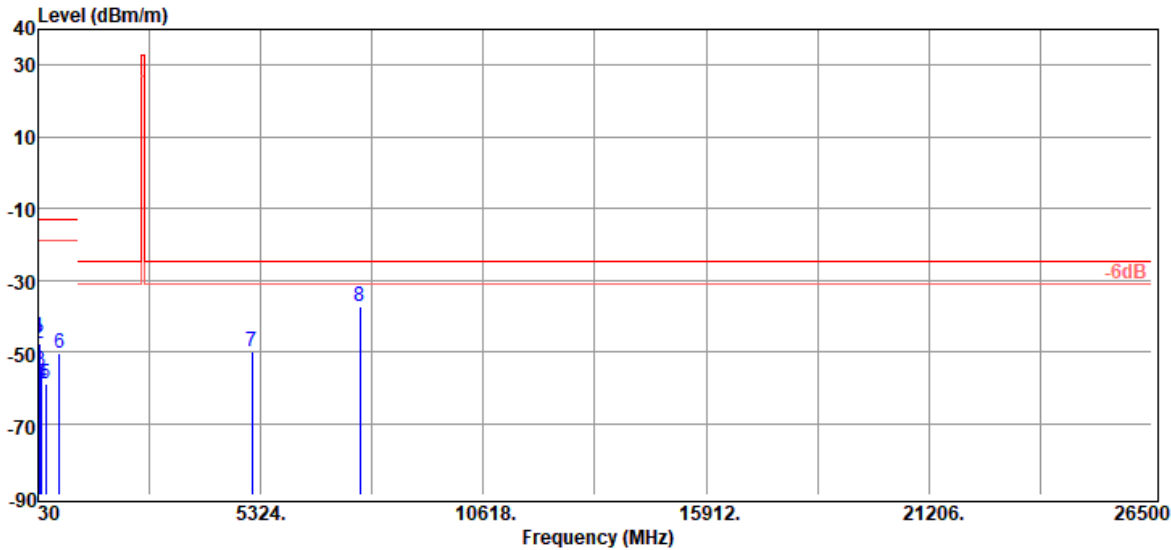
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B7
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :2560 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.8/57
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
41.64	-45.97	-26.19	-18.92	-0.86	-13.00	-32.97
63.95	-47.88	-32.85	-14.03	-1.00	-13.00	-34.88
96.93	-55.17	-48.00	-5.89	-1.28	-13.00	-42.17
124.09	-59.02	-50.41	-7.07	-1.54	-13.00	-46.02
206.54	-59.15	-55.26	-1.81	-2.08	-13.00	-46.15
547.01	-50.46	-45.54	-1.28	-3.64	-13.00	-37.46
5120.00	-50.13	-50.83	12.44	-11.74	-25.00	-25.13
7680.00	-37.26	-35.77	11.70	-13.19	-25.00	-12.26

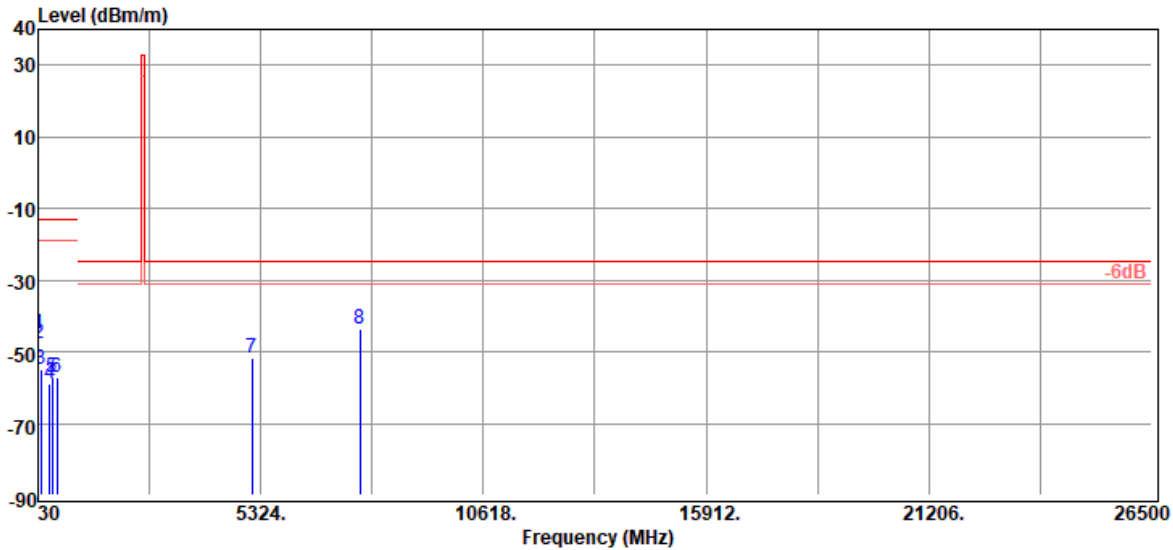
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Report Number :E2/2020/40009
Operation Mode :LTE B7
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :2560 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.8/57
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.91	-44.93	-24.16	-20.09	-0.68	-13.00	-31.93
46.49	-47.63	-28.48	-18.29	-0.86	-13.00	-34.63
97.90	-54.96	-47.66	-6.01	-1.29	-13.00	-41.96
304.51	-58.88	-54.81	-1.45	-2.62	-13.00	-45.88
364.65	-57.38	-53.17	-1.48	-2.73	-13.00	-44.38
486.87	-57.21	-52.74	-1.10	-3.37	-13.00	-44.21
5120.00	-51.64	-52.34	12.44	-11.74	-25.00	-26.64
7680.00	-43.60	-42.11	11.70	-13.19	-25.00	-18.60

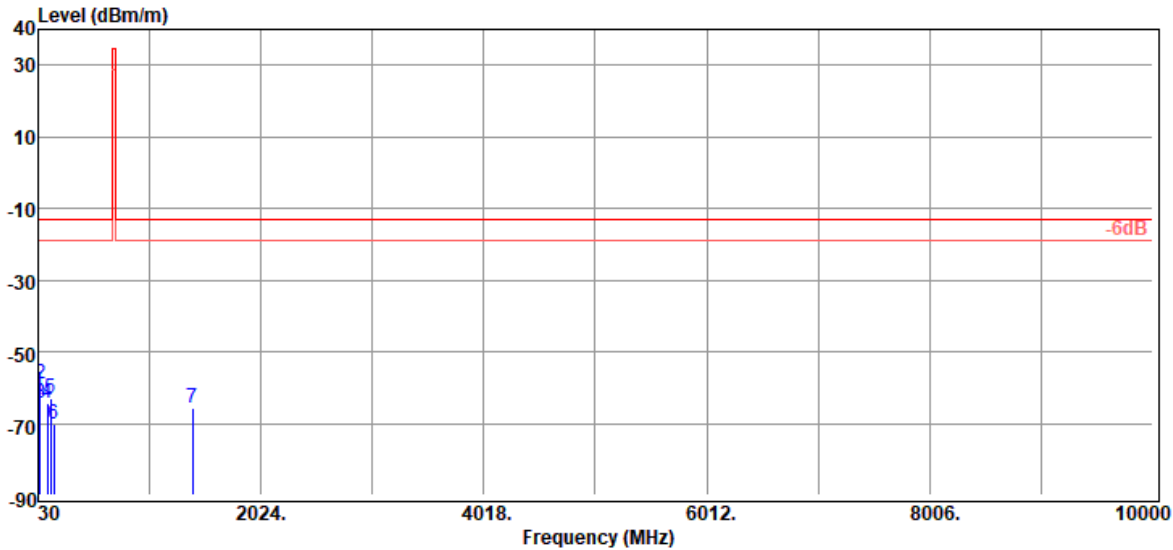
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B12
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :704 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.2/56
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
36.79	-61.21	-41.00	-19.43	-0.78	-13.00	-48.21
45.52	-59.07	-39.83	-18.38	-0.86	-13.00	-46.07
50.37	-64.55	-46.18	-17.50	-0.87	-13.00	-51.55
115.36	-64.42	-55.83	-7.14	-1.45	-13.00	-51.42
138.64	-62.93	-53.60	-7.67	-1.66	-13.00	-49.93
168.71	-70.10	-62.05	-6.32	-1.73	-13.00	-57.10
1408.00	-65.66	-66.19	7.06	-6.53	-13.00	-52.66

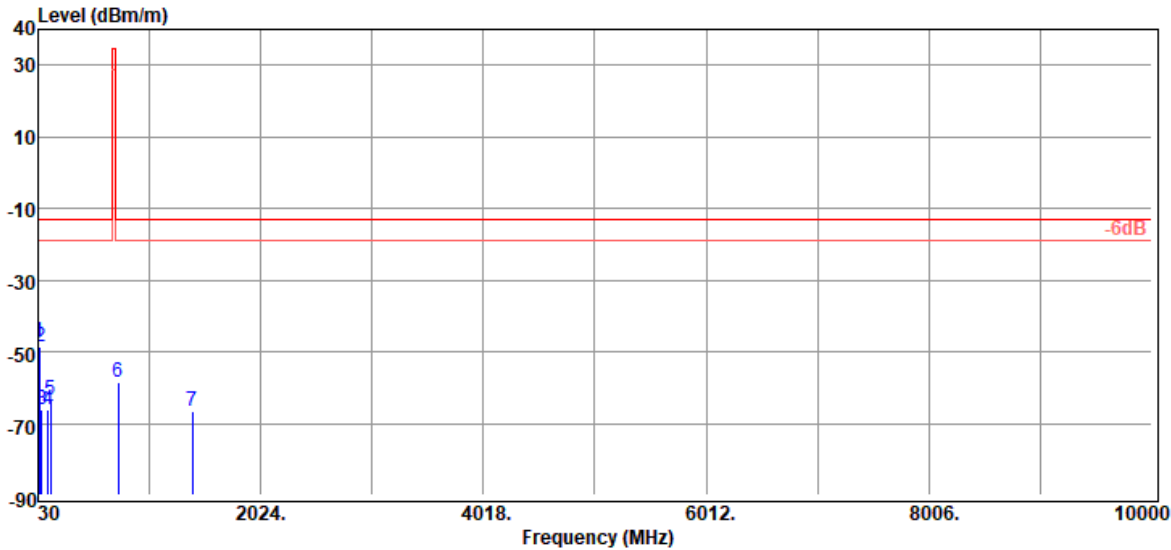
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B12
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :704 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.2/56
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
30.97	-47.11	-25.86	-20.62	-0.63	-13.00	-34.11
45.52	-48.77	-29.53	-18.38	-0.86	-13.00	-35.77
63.95	-66.30	-51.27	-14.03	-1.00	-13.00	-53.30
119.24	-66.33	-57.84	-7.04	-1.45	-13.00	-53.33
139.61	-63.45	-54.15	-7.64	-1.66	-13.00	-50.45
747.80	-58.57	-52.76	-1.62	-4.19	-13.00	-45.57
1408.00	-66.76	-67.29	7.06	-6.53	-13.00	-53.76

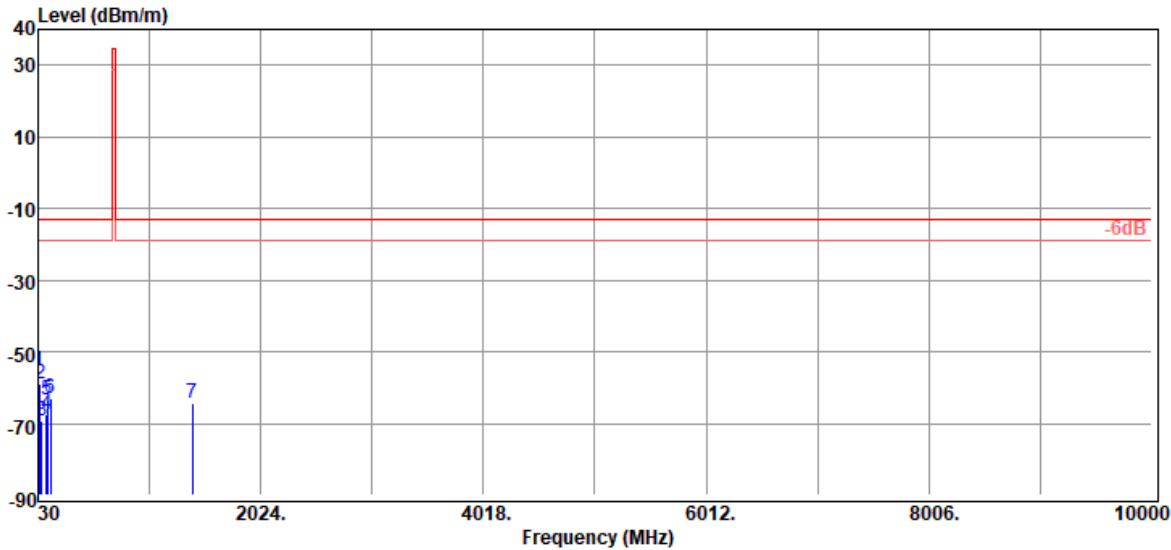
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Report Number :E2/2020/40009
Operation Mode :LTE B12
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :707.5 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.2/56
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
36.79	-55.57	-35.36	-19.43	-0.78	-13.00	-42.57
46.49	-59.12	-39.97	-18.29	-0.86	-13.00	-46.12
64.92	-69.16	-54.45	-13.71	-1.00	-13.00	-56.16
104.69	-67.68	-59.51	-6.78	-1.39	-13.00	-54.68
114.39	-63.54	-54.98	-7.11	-1.45	-13.00	-50.54
139.61	-63.11	-53.81	-7.64	-1.66	-13.00	-50.11
1415.00	-64.49	-65.06	7.12	-6.55	-13.00	-51.49

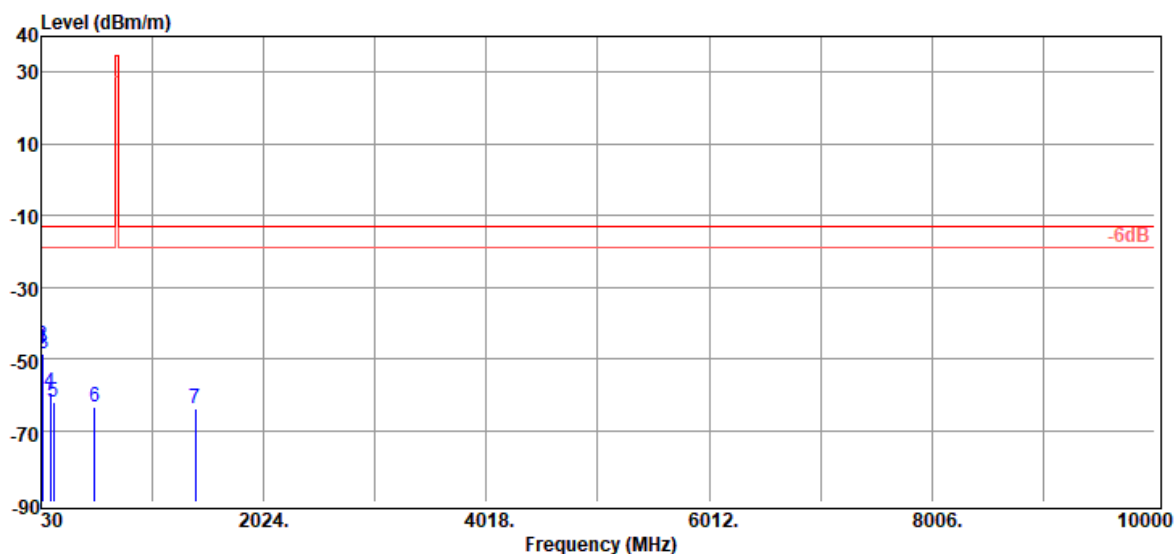
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B12
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :707.5 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.2/56
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.97	-47.20	-25.95	-20.62	-0.63	-13.00	-34.20
36.79	-46.17	-25.96	-19.43	-0.78	-13.00	-33.17
45.52	-48.65	-29.41	-18.38	-0.86	-13.00	-35.65
114.39	-59.55	-50.99	-7.11	-1.45	-13.00	-46.55
140.58	-62.06	-52.76	-7.64	-1.66	-13.00	-49.06
510.15	-63.30	-58.54	-1.19	-3.57	-13.00	-50.30
1415.00	-63.70	-64.27	7.12	-6.55	-13.00	-50.70

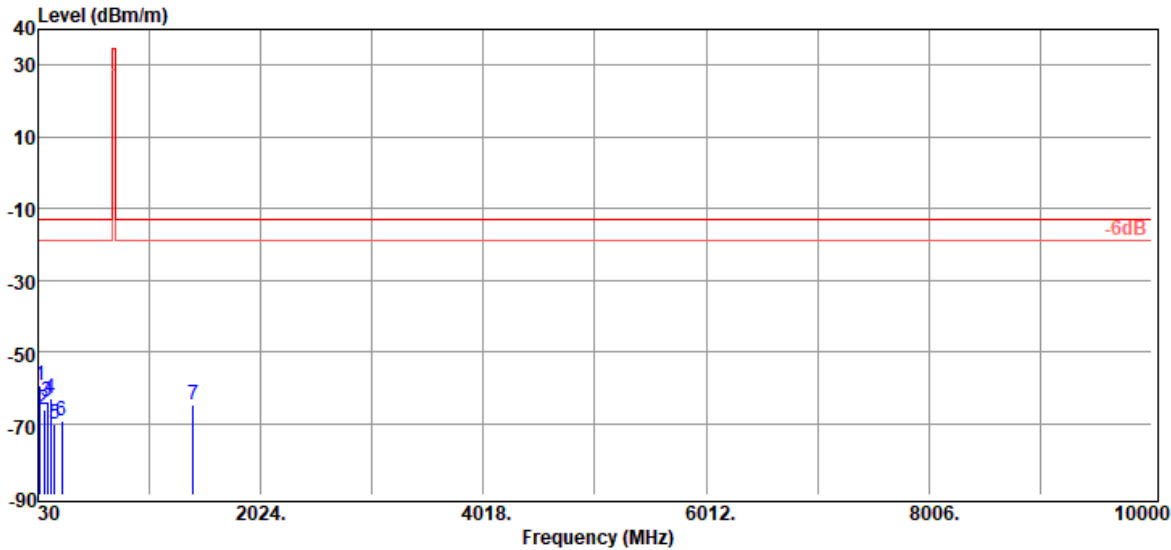
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B12
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :711 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.2/56
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
46.49	-59.38	-40.23	-18.29	-0.86	-13.00	-46.38
86.26	-66.36	-58.53	-6.67	-1.16	-13.00	-53.36
114.39	-64.09	-55.53	-7.11	-1.45	-13.00	-51.09
139.61	-63.01	-53.71	-7.64	-1.66	-13.00	-50.01
181.32	-70.29	-64.39	-4.14	-1.76	-13.00	-57.29
240.49	-69.19	-65.13	-1.83	-2.23	-13.00	-56.19
1422.00	-64.71	-65.33	7.18	-6.56	-13.00	-51.71

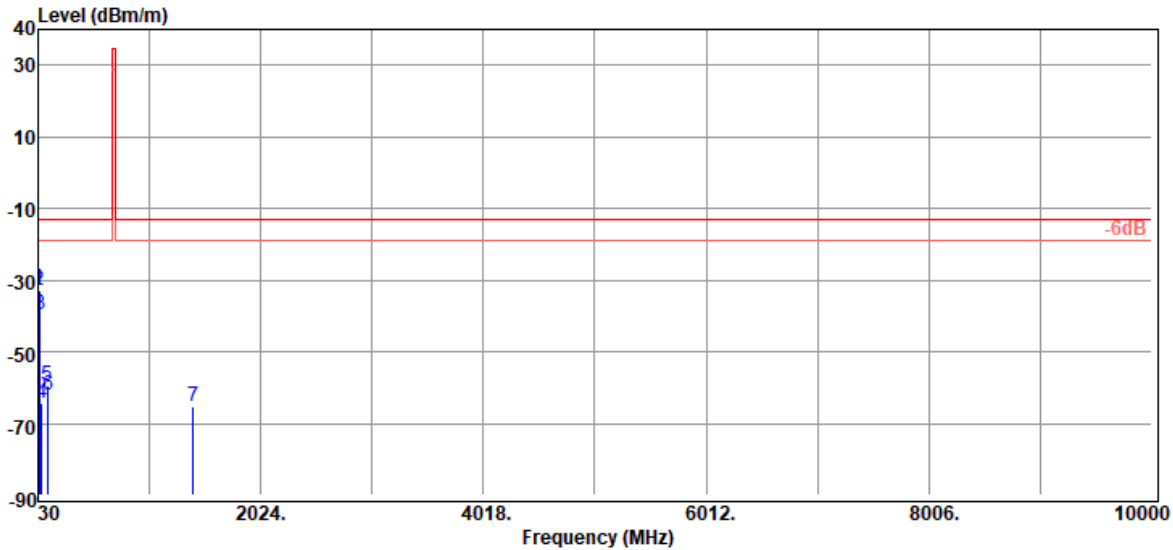
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B12
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :711 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.2/56
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.91	-32.30	-11.53	-20.09	-0.68	-13.00	-19.30
39.70	-32.70	-12.71	-19.14	-0.85	-13.00	-19.70
44.55	-39.72	-20.35	-18.51	-0.86	-13.00	-26.72
65.89	-64.45	-50.15	-13.30	-1.00	-13.00	-51.45
113.42	-59.62	-51.02	-7.15	-1.45	-13.00	-46.62
123.12	-62.12	-53.56	-7.04	-1.52	-13.00	-49.12
1422.00	-65.36	-65.98	7.18	-6.56	-13.00	-52.36

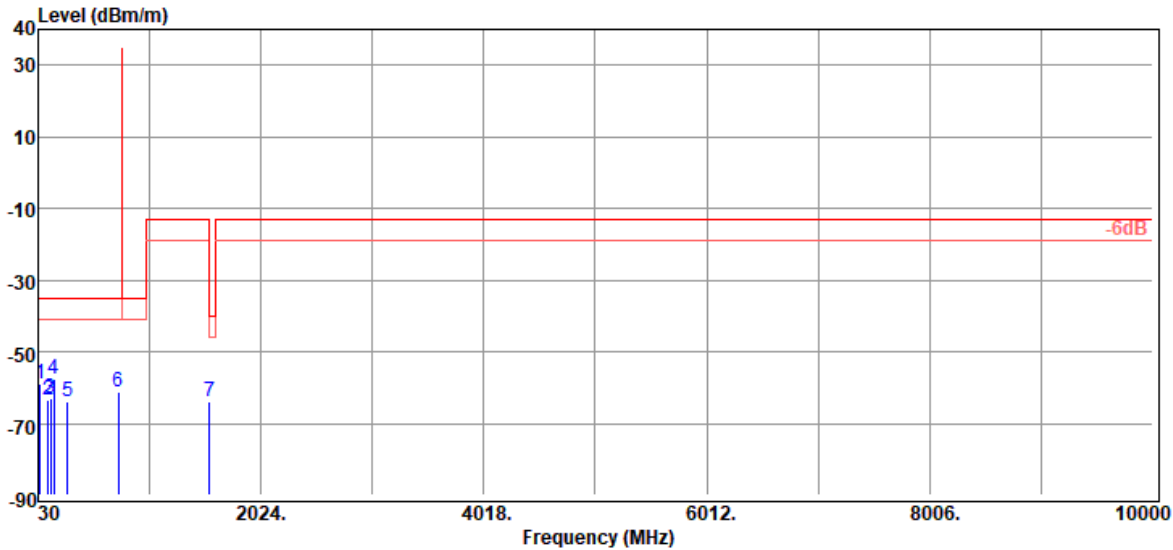
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
 Operation Mode :LTE B13
 Test Mode :TX CH MID
 EUT Pol :E2 Plan
 Test Frequency :782 MHz

Test Site :966 Chamber C
 Test Date :2020-07-01
 Temp./Humi. :23.2/56
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
45.52	-58.96	-39.72	-18.38	-0.86	-35.00	-23.96
119.24	-63.35	-54.86	-7.04	-1.45	-35.00	-28.35
139.61	-63.18	-53.88	-7.64	-1.66	-35.00	-28.18
169.68	-57.44	-49.52	-6.18	-1.74	-35.00	-22.44
294.81	-63.95	-59.89	-1.55	-2.51	-35.00	-28.95
746.83	-61.42	-55.62	-1.61	-4.19	-35.00	-26.42
1564.00	-64.02	-65.73	8.74	-7.03	-40.00	-24.02

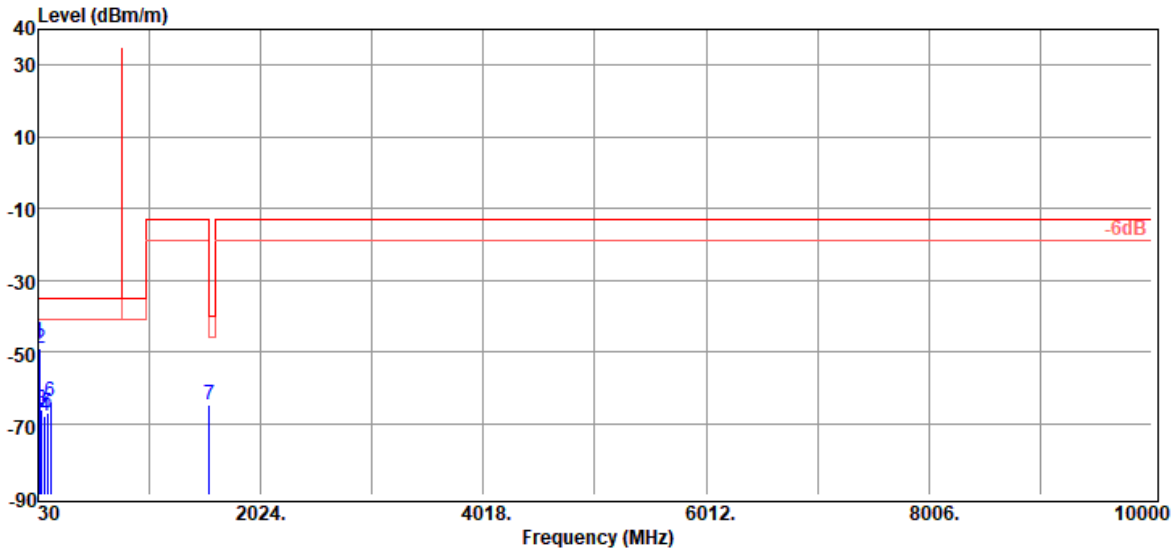
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B13
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :782 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.2/56
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
30.97	-47.15	-25.90	-20.62	-0.63	-35.00	-12.15
45.52	-48.92	-29.68	-18.38	-0.86	-35.00	-13.92
63.95	-66.18	-51.15	-14.03	-1.00	-35.00	-31.18
89.17	-67.88	-60.60	-6.12	-1.16	-35.00	-32.88
114.39	-67.09	-58.53	-7.11	-1.45	-35.00	-32.09
139.61	-63.69	-54.39	-7.64	-1.66	-35.00	-28.69
1564.00	-64.61	-66.32	8.74	-7.03	-40.00	-24.61

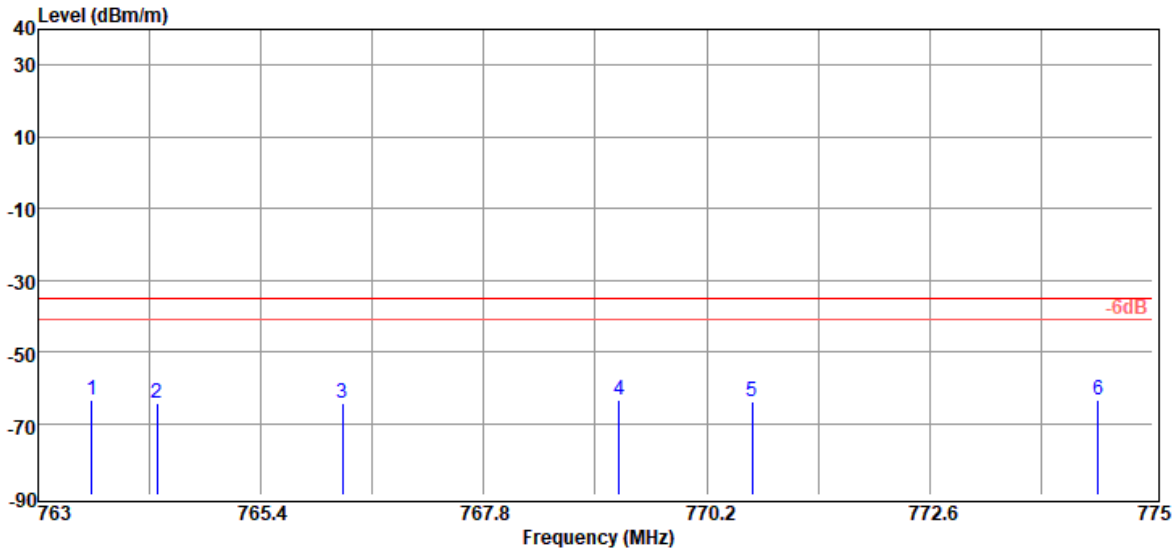
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B13
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :779.5 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :23.1/52
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
763.58	-63.66	-57.71	-1.68	-4.27	-35.00	-28.66
764.28	-64.15	-58.20	-1.68	-4.27	-35.00	-29.15
766.28	-64.33	-58.41	-1.65	-4.27	-35.00	-29.33
769.25	-63.58	-57.69	-1.62	-4.27	-35.00	-28.58
770.69	-63.78	-57.88	-1.60	-4.30	-35.00	-28.78
774.41	-63.51	-57.52	-1.56	-4.43	-35.00	-28.51

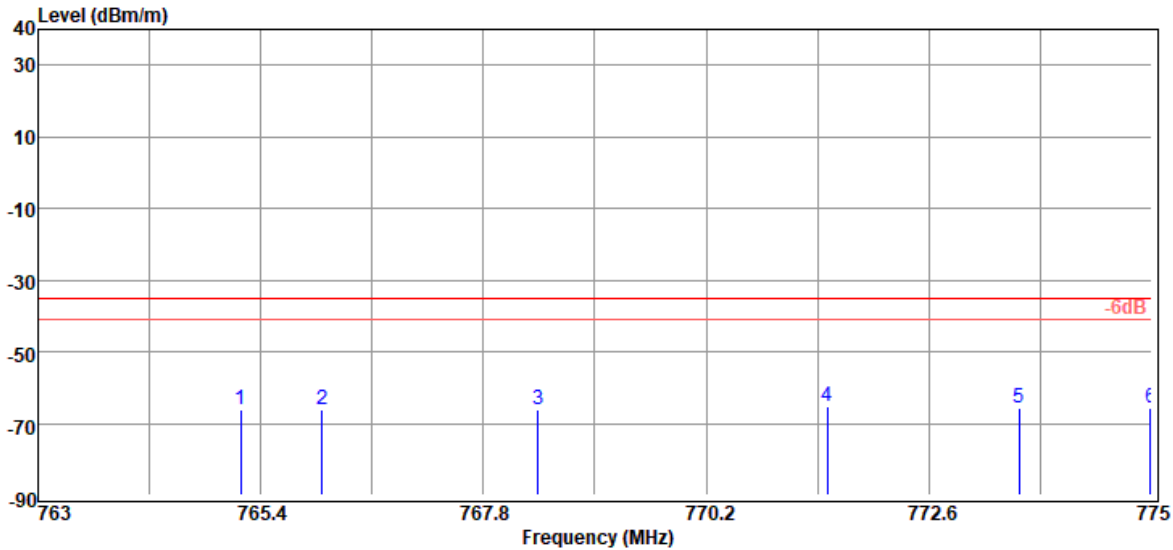
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Report Number :E2/2020/40009
Operation Mode :LTE B13
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :779.5 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :23.1/52
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
765.18	-65.99	-60.05	-1.67	-4.27	-35.00	-30.99
766.06	-66.07	-60.14	-1.66	-4.27	-35.00	-31.07
768.39	-66.24	-60.34	-1.63	-4.27	-35.00	-31.24
771.51	-65.39	-59.47	-1.59	-4.33	-35.00	-30.39
773.57	-65.85	-59.88	-1.57	-4.40	-35.00	-30.85
774.99	-65.71	-59.71	-1.55	-4.45	-35.00	-30.71

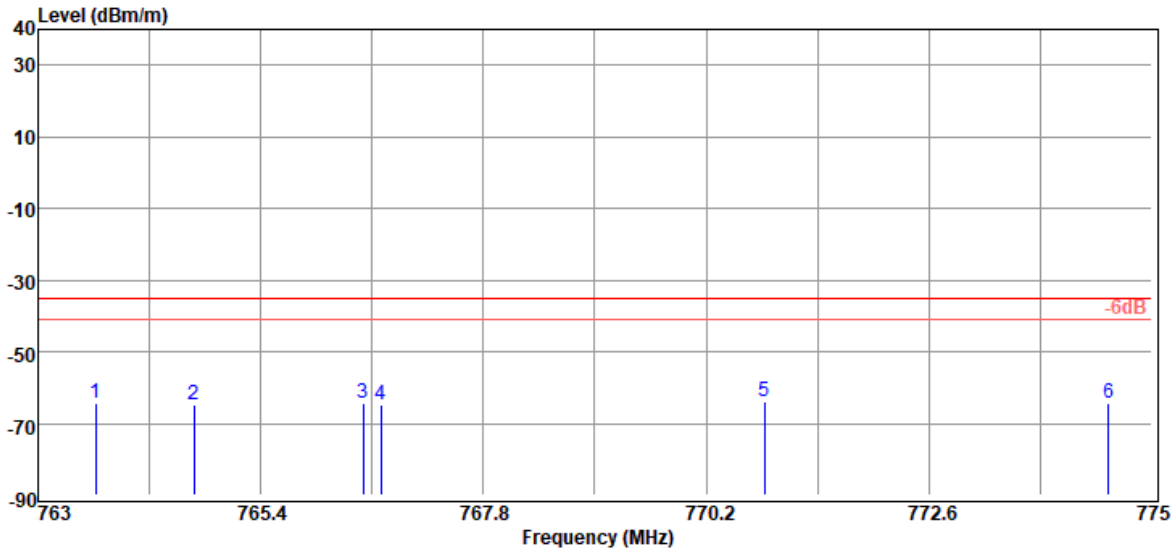
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B13
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :782 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :22.8/52
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
763.62	-64.35	-58.40	-1.68	-4.27	-35.00	-29.35
764.68	-64.71	-58.77	-1.67	-4.27	-35.00	-29.71
766.50	-64.40	-58.48	-1.65	-4.27	-35.00	-29.40
766.70	-64.59	-58.67	-1.65	-4.27	-35.00	-29.59
770.82	-63.98	-58.08	-1.60	-4.30	-35.00	-28.98
774.53	-64.32	-58.32	-1.56	-4.44	-35.00	-29.32

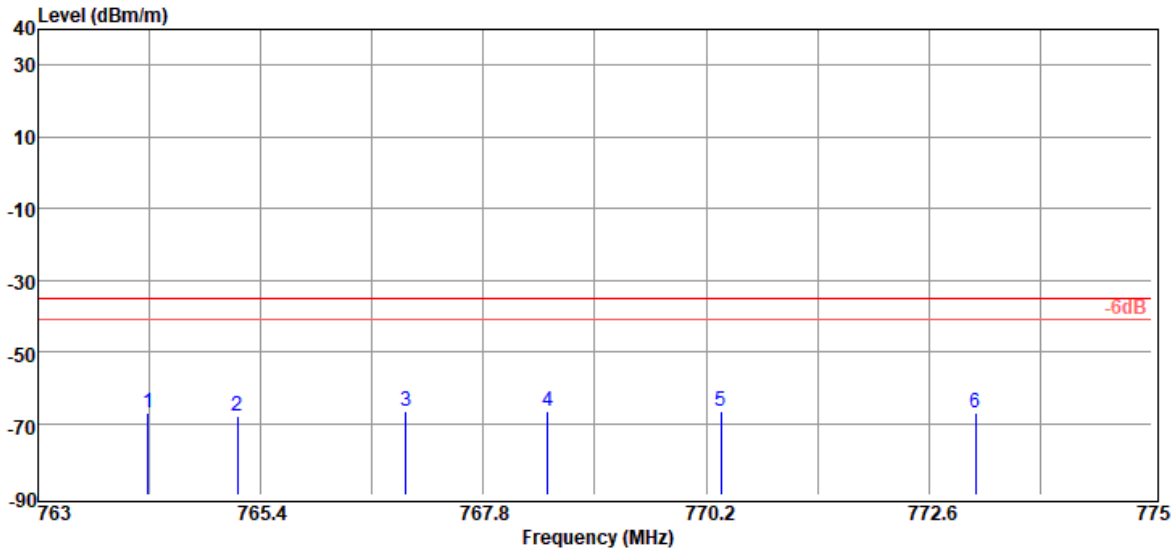
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Report Number :E2/2020/40009
Operation Mode :LTE B13
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :782 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :22.8/52
Antenna Pol. :HORIZONTAL
Engineer :Ashton



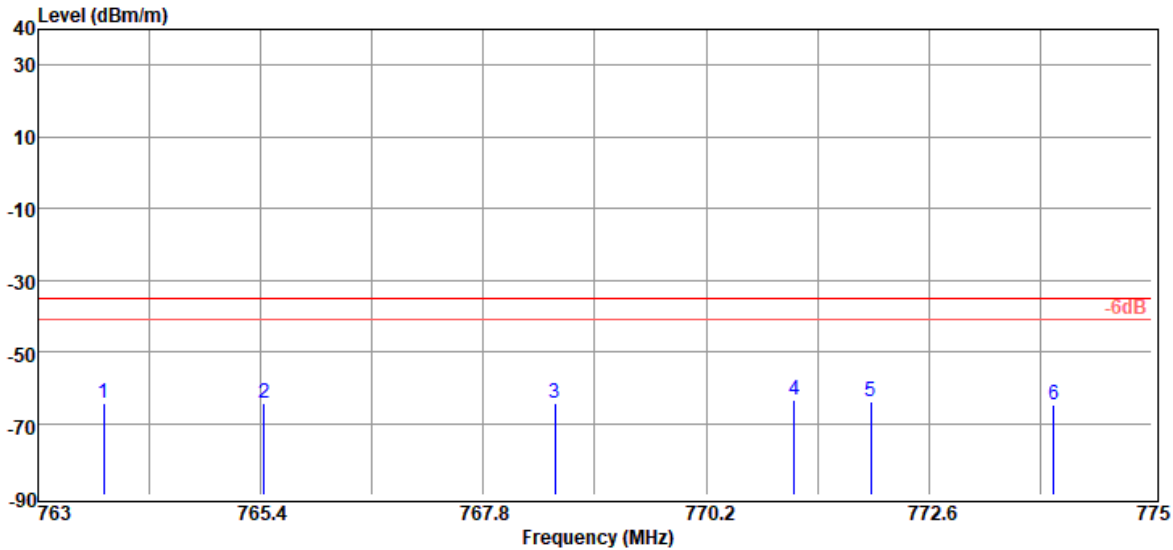
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
764.19	-67.20	-61.25	-1.68	-4.27	-35.00	-32.20
765.15	-67.75	-61.81	-1.67	-4.27	-35.00	-32.75
766.96	-66.65	-60.73	-1.65	-4.27	-35.00	-31.65
768.50	-66.72	-60.82	-1.63	-4.27	-35.00	-31.72
770.36	-66.78	-60.89	-1.61	-4.28	-35.00	-31.78
773.10	-67.27	-61.32	-1.57	-4.38	-35.00	-32.27

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 :E2/2020/40009
Operation Mode :LTE B13
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :784.5 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :22.8/52
Antenna Pol. :VERTICAL
Engineer :Ashton


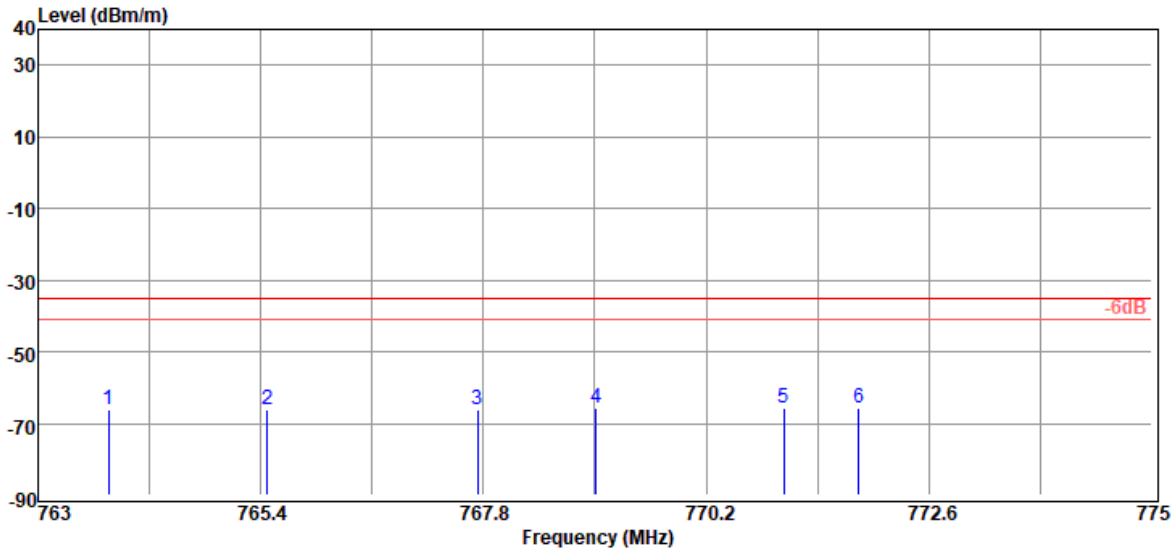
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
763.71	-64.43	-58.48	-1.68	-4.27	-35.00	-29.43
765.44	-64.56	-58.63	-1.66	-4.27	-35.00	-29.56
768.57	-64.55	-58.65	-1.63	-4.27	-35.00	-29.55
771.15	-63.38	-57.47	-1.60	-4.31	-35.00	-28.38
771.98	-63.85	-57.92	-1.59	-4.34	-35.00	-28.85
773.94	-64.66	-58.68	-1.56	-4.42	-35.00	-29.66

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 :E2/2020/40009
Operation Mode :LTE B13
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :784.5 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :22.8/52
Antenna Pol. :HORIZONTAL
Engineer :Ashton


Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
763.76	-66.27	-60.32	-1.68	-4.27	-35.00	-31.27
765.47	-66.28	-60.35	-1.66	-4.27	-35.00	-31.28
767.74	-66.19	-60.28	-1.64	-4.27	-35.00	-31.19
769.01	-65.52	-59.63	-1.62	-4.27	-35.00	-30.52
771.04	-65.91	-60.00	-1.60	-4.31	-35.00	-30.91
771.84	-65.56	-59.63	-1.59	-4.34	-35.00	-30.56

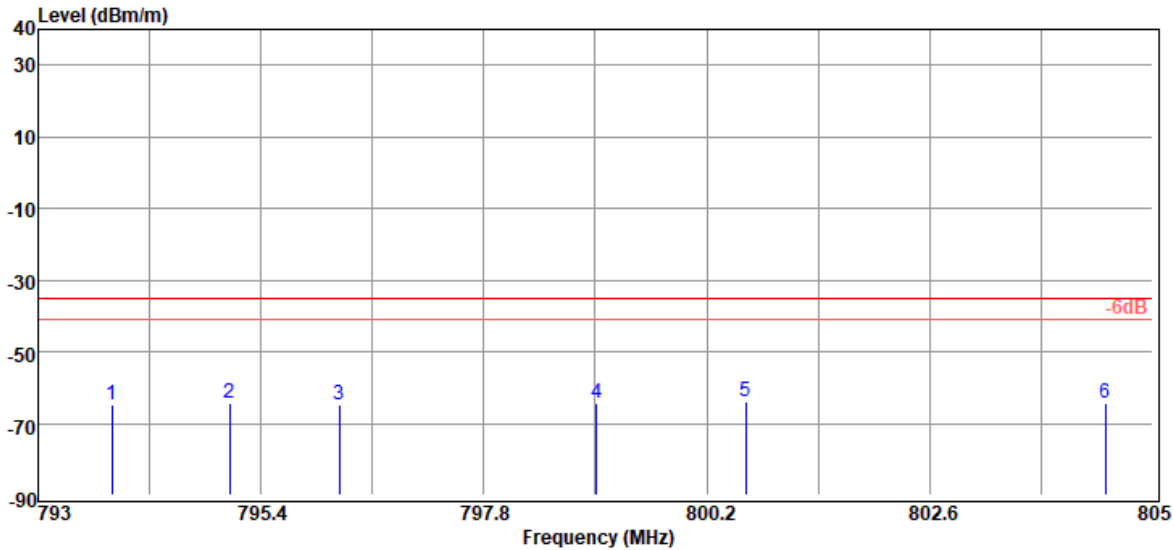
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B13
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :779.5 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :22.7/52
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
793.79	-64.85	-58.65	-1.72	-4.48	-35.00	-29.85
795.06	-64.51	-58.35	-1.73	-4.43	-35.00	-29.51
796.24	-64.84	-58.77	-1.69	-4.38	-35.00	-29.84
799.01	-64.21	-58.34	-1.61	-4.26	-35.00	-29.21
800.62	-64.13	-58.34	-1.57	-4.22	-35.00	-29.13
804.50	-64.38	-58.63	-1.53	-4.22	-35.00	-29.38

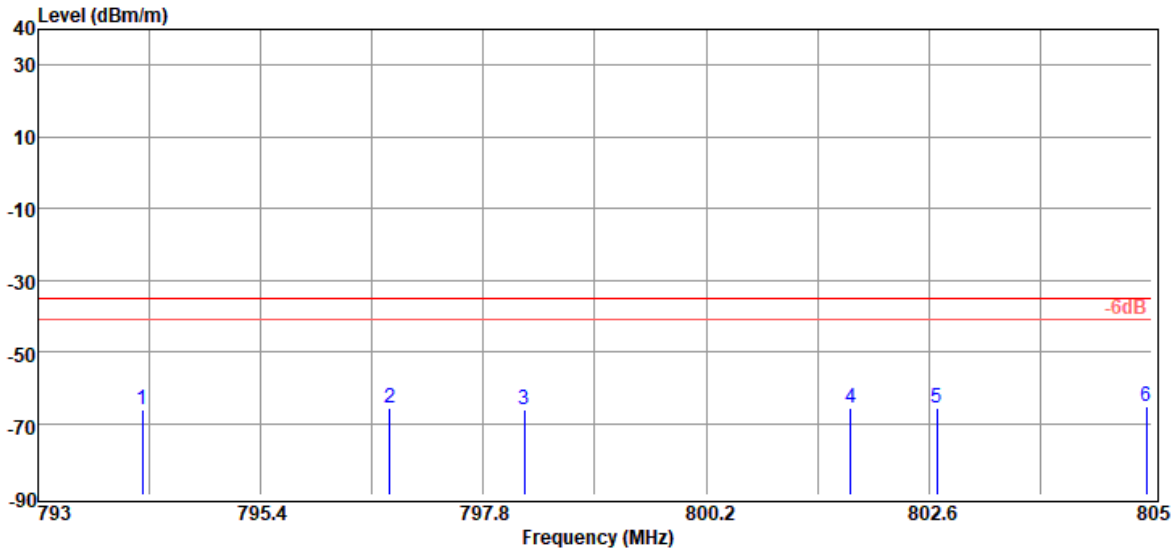
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B13
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :779.5 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :22.7/52
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
794.13	-65.95	-59.76	-1.72	-4.47	-35.00	-30.95
796.79	-65.73	-59.70	-1.68	-4.35	-35.00	-30.73
798.24	-66.11	-60.19	-1.63	-4.29	-35.00	-31.11
801.76	-65.69	-59.91	-1.56	-4.22	-35.00	-30.69
802.68	-65.79	-60.02	-1.55	-4.22	-35.00	-30.79
804.94	-65.12	-59.38	-1.52	-4.22	-35.00	-30.12

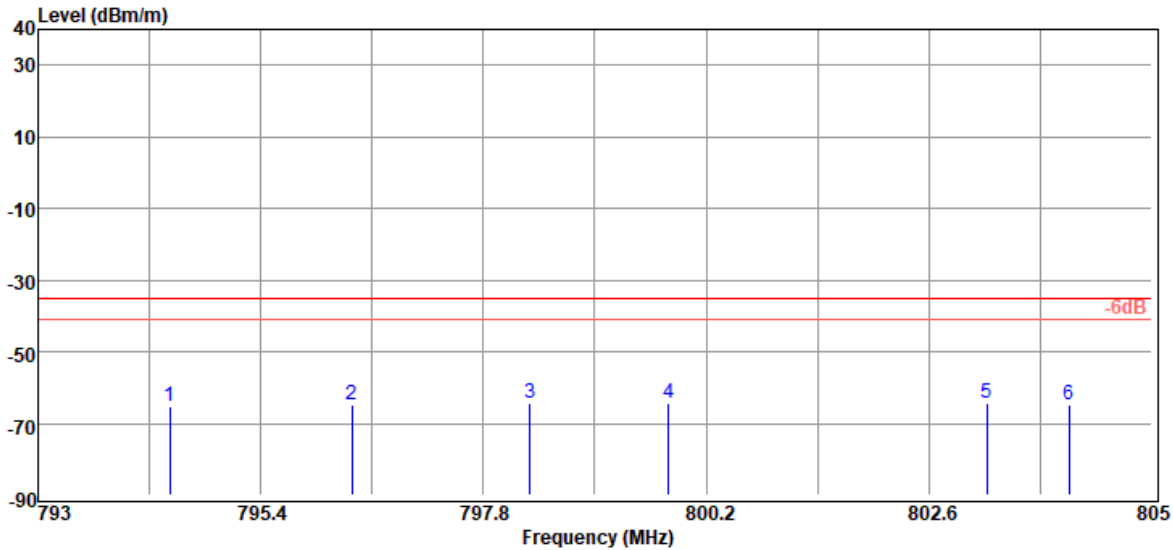
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B13
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :782 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :22.7/52
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
794.42	-65.20	-59.02	-1.73	-4.45	-35.00	-30.20
796.38	-64.77	-58.71	-1.69	-4.37	-35.00	-29.77
798.30	-64.19	-58.27	-1.63	-4.29	-35.00	-29.19
799.79	-64.50	-58.68	-1.59	-4.23	-35.00	-29.50
803.22	-64.16	-58.40	-1.54	-4.22	-35.00	-29.16
804.11	-64.68	-58.93	-1.53	-4.22	-35.00	-29.68

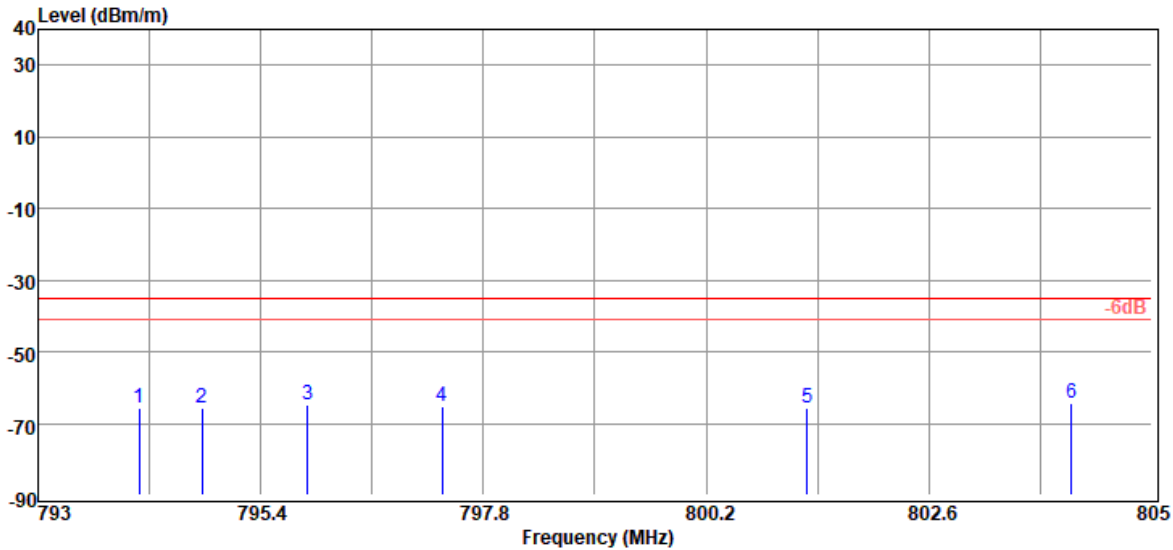
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B13
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :782 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :22.7/52
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
794.09	-65.58	-59.39	-1.72	-4.47	-35.00	-30.58
794.76	-65.68	-59.51	-1.73	-4.44	-35.00	-30.68
795.90	-64.68	-58.59	-1.70	-4.39	-35.00	-29.68
797.36	-65.13	-59.14	-1.66	-4.33	-35.00	-30.13
801.29	-65.52	-59.74	-1.56	-4.22	-35.00	-30.52
804.14	-64.42	-58.67	-1.53	-4.22	-35.00	-29.42

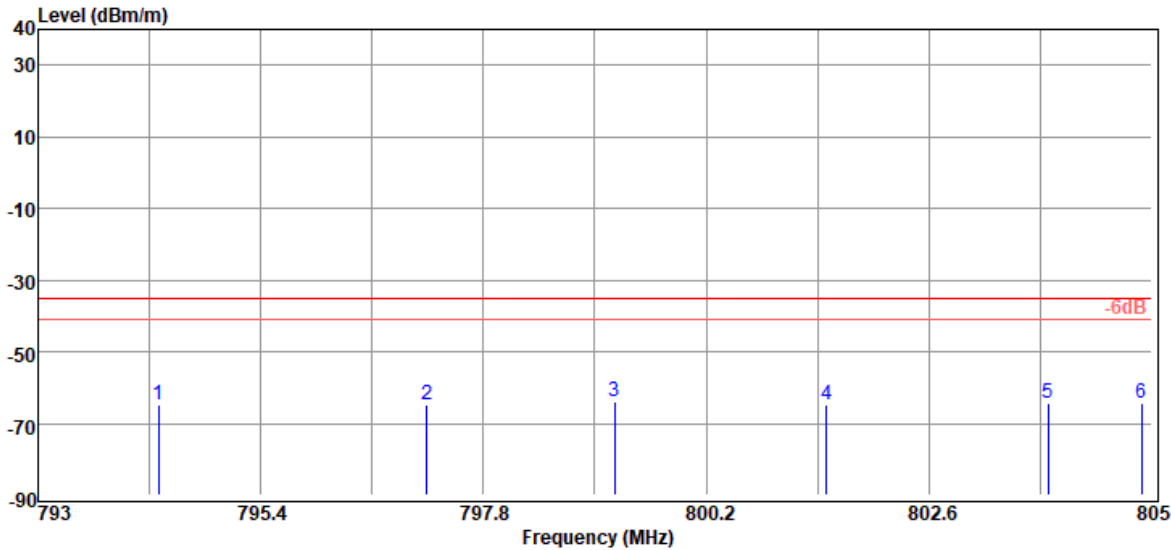
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Report Number :E2/2020/40009
Operation Mode :LTE B13
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :784.5 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :22.7/52
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
794.30	-64.85	-58.67	-1.72	-4.46	-35.00	-29.85
797.19	-64.80	-58.80	-1.66	-4.34	-35.00	-29.80
799.22	-64.07	-58.22	-1.60	-4.25	-35.00	-29.07
801.50	-64.76	-58.98	-1.56	-4.22	-35.00	-29.76
803.88	-64.41	-58.66	-1.53	-4.22	-35.00	-29.41
804.89	-64.37	-58.63	-1.52	-4.22	-35.00	-29.37

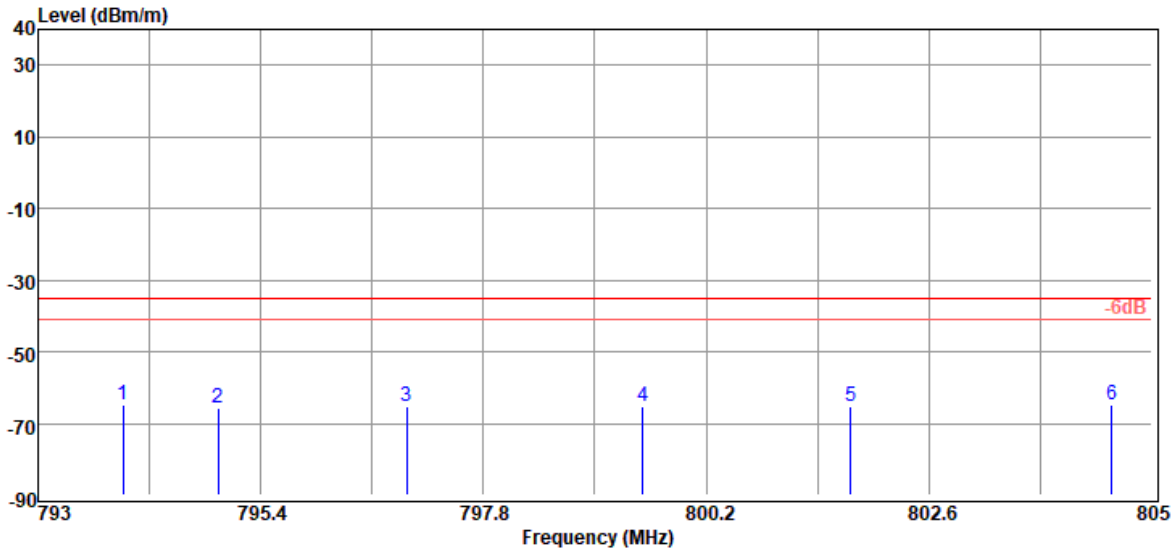
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B13
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :784.5 MHz

Test Site :966 Chamber C
Test Date :2020-06-22
Temp./Humi. :22.7/52
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
793.91	-64.77	-58.57	-1.72	-4.48	-35.00	-29.77
794.94	-65.55	-59.39	-1.73	-4.43	-35.00	-30.55
796.97	-65.08	-59.06	-1.67	-4.35	-35.00	-30.08
799.52	-65.35	-59.52	-1.59	-4.24	-35.00	-30.35
801.76	-65.22	-59.44	-1.56	-4.22	-35.00	-30.22
804.57	-64.97	-59.22	-1.53	-4.22	-35.00	-29.97

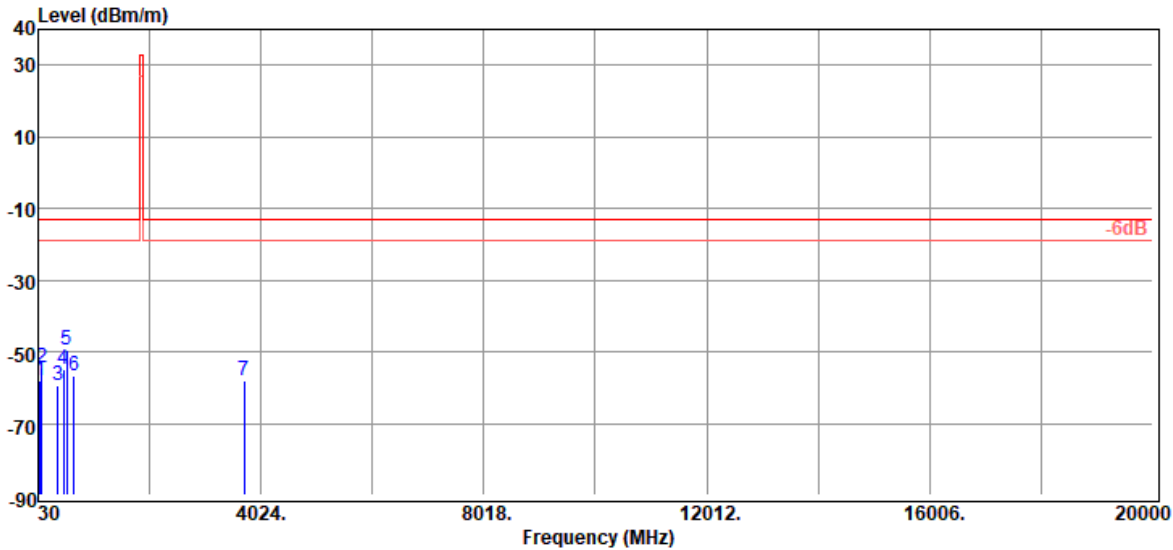
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B25
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :1860 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.8/57
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
71.71	-57.91	-45.50	-11.38	-1.03	-13.00	-44.91
97.90	-54.42	-47.12	-6.01	-1.29	-13.00	-41.42
385.02	-59.48	-55.11	-1.53	-2.84	-13.00	-46.48
485.90	-54.70	-50.26	-1.11	-3.33	-13.00	-41.70
547.01	-49.32	-44.40	-1.28	-3.64	-13.00	-36.32
669.23	-56.55	-51.39	-1.21	-3.95	-13.00	-43.55
3720.00	-57.89	-58.98	12.34	-11.25	-13.00	-44.89

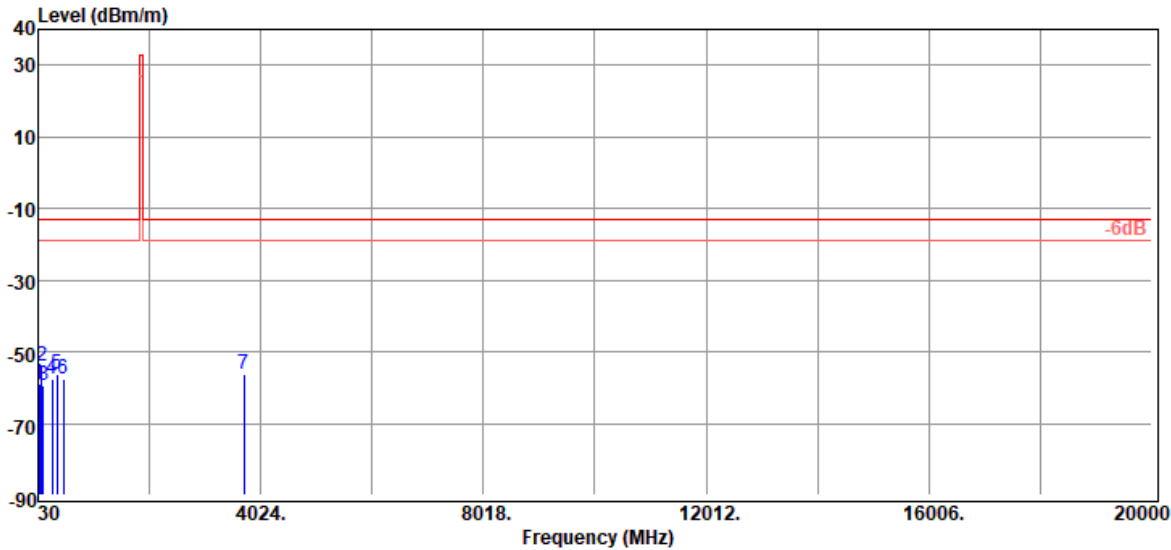
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B25
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :1860 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.8/57
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
46.49	-58.95	-39.80	-18.29	-0.86	-13.00	-45.95
97.90	-53.80	-46.50	-6.01	-1.29	-13.00	-40.80
124.09	-59.37	-50.76	-7.07	-1.54	-13.00	-46.37
283.17	-57.81	-53.71	-1.66	-2.44	-13.00	-44.81
364.65	-56.39	-52.18	-1.48	-2.73	-13.00	-43.39
486.87	-57.58	-53.11	-1.10	-3.37	-13.00	-44.58
3720.00	-56.23	-57.32	12.34	-11.25	-13.00	-43.23

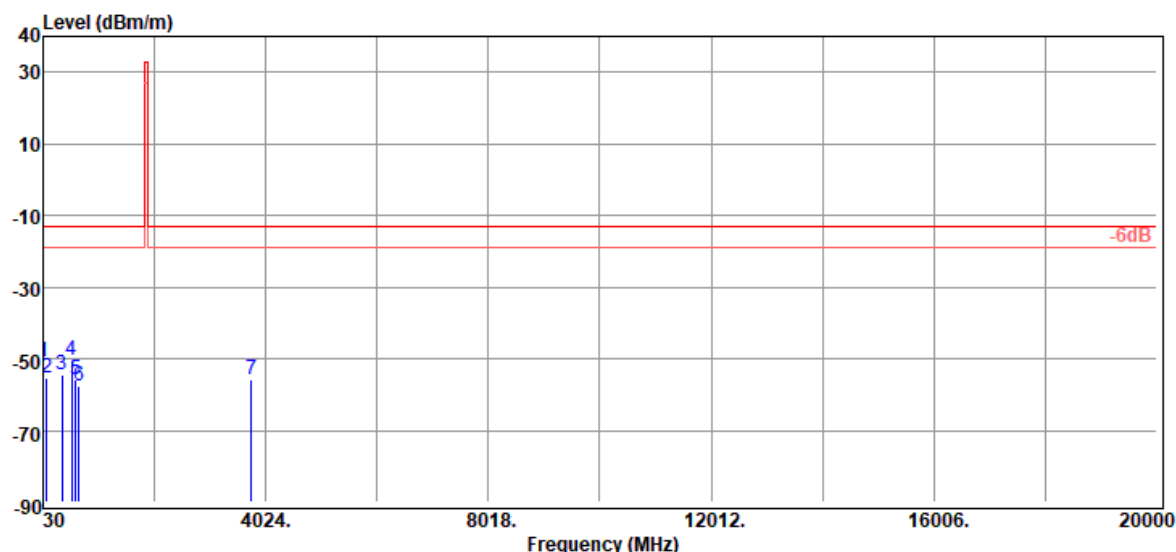
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Report Number :E2/2020/40009
Operation Mode :LTE B25
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :1882.5 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.8/57
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-51.09	-30.88	-19.43	-0.78	-13.00	-38.09
97.90	-55.44	-48.14	-6.01	-1.29	-13.00	-42.44
364.65	-54.38	-50.17	-1.48	-2.73	-13.00	-41.38
547.01	-50.43	-45.51	-1.28	-3.64	-13.00	-37.43
608.12	-55.89	-50.15	-1.76	-3.98	-13.00	-42.89
669.23	-57.76	-52.60	-1.21	-3.95	-13.00	-44.76
3765.00	-55.85	-57.22	12.43	-11.06	-13.00	-42.85

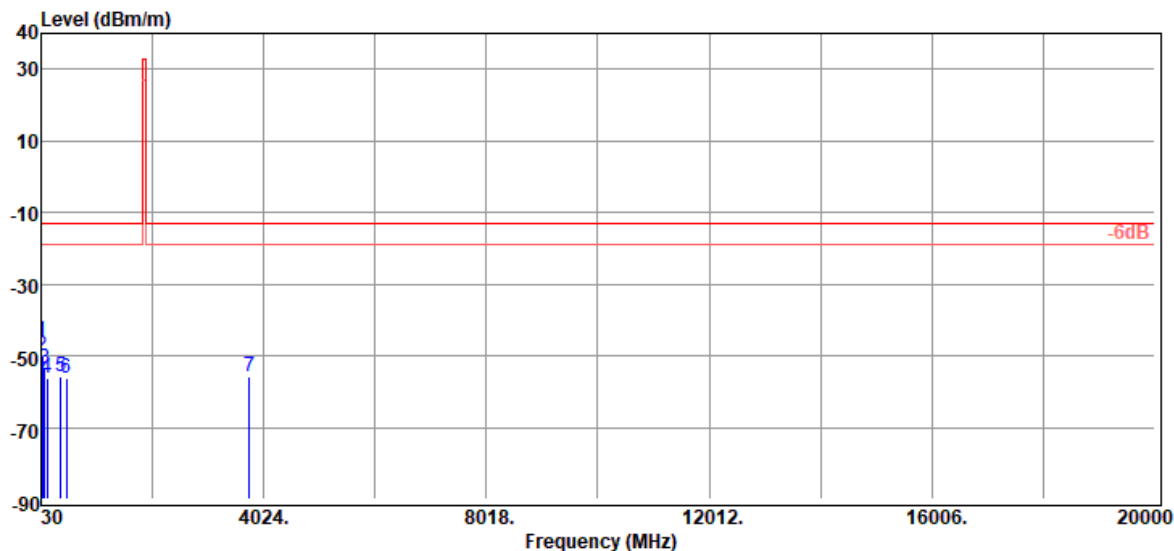
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B25
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :1882.5 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.8/57
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.94	-45.84	-24.82	-20.36	-0.66	-13.00	-32.84
46.49	-49.79	-30.64	-18.29	-0.86	-13.00	-36.79
97.90	-53.56	-46.26	-6.01	-1.29	-13.00	-40.56
139.61	-56.16	-46.86	-7.64	-1.66	-13.00	-43.16
377.26	-55.72	-51.31	-1.55	-2.86	-13.00	-42.72
485.90	-56.38	-51.94	-1.11	-3.33	-13.00	-43.38
3765.00	-55.94	-57.31	12.43	-11.06	-13.00	-42.94

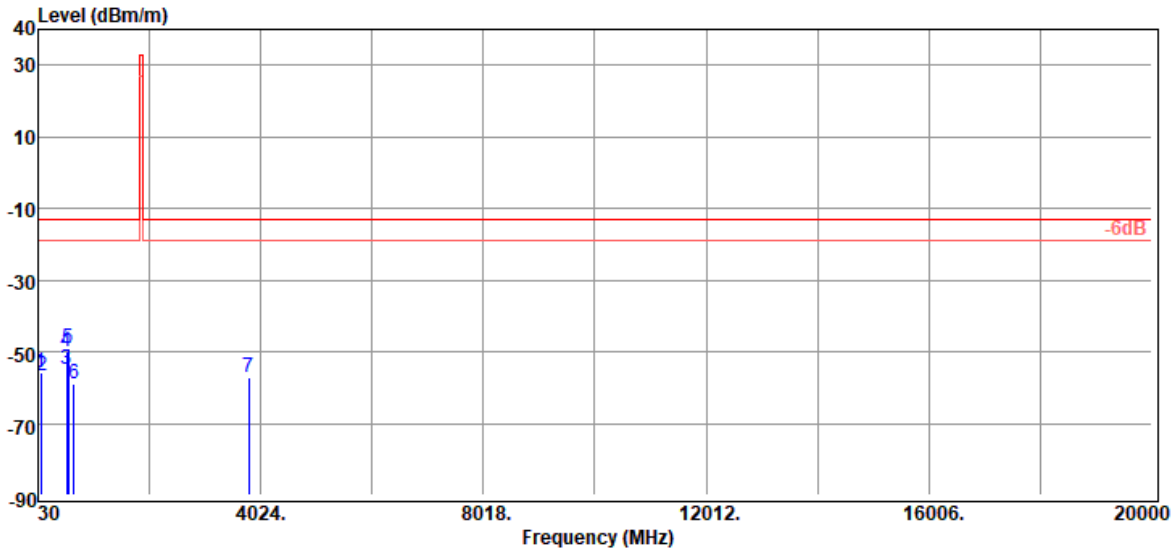
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B25
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :1905 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.3/55
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
73.65	-55.62	-44.06	-10.50	-1.06	-13.00	-42.62
96.93	-56.71	-49.54	-5.89	-1.28	-13.00	-43.71
536.34	-55.09	-50.67	-1.18	-3.24	-13.00	-42.09
547.01	-49.83	-44.91	-1.28	-3.64	-13.00	-36.83
567.38	-49.09	-44.28	-1.36	-3.45	-13.00	-36.09
669.23	-58.97	-53.81	-1.21	-3.95	-13.00	-45.97
3810.00	-57.29	-58.89	12.50	-10.90	-13.00	-44.29

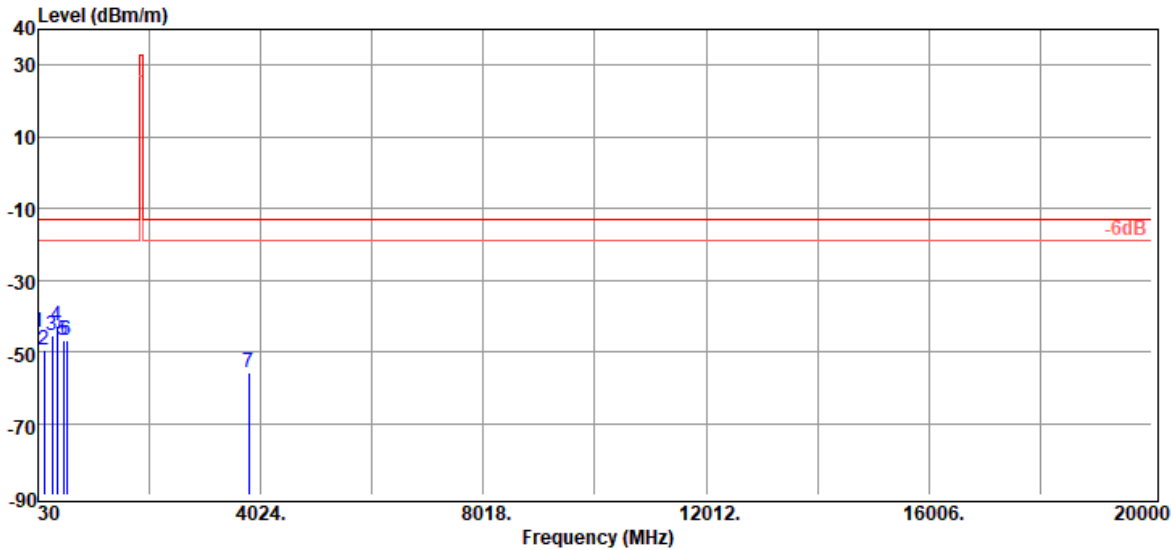
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B25
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :1905 MHz

Test Site :966 Chamber C
Test Date :2020-06-30
Temp./Humi. :24.3/55
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.94	-44.61	-23.59	-20.36	-0.66	-13.00	-31.61
139.61	-49.53	-40.23	-7.64	-1.66	-13.00	-36.53
284.14	-45.35	-41.25	-1.65	-2.45	-13.00	-32.35
364.65	-42.98	-38.77	-1.48	-2.73	-13.00	-29.98
486.87	-46.80	-42.33	-1.10	-3.37	-13.00	-33.80
547.01	-46.66	-41.74	-1.28	-3.64	-13.00	-33.66
3810.00	-55.80	-57.40	12.50	-10.90	-13.00	-42.80

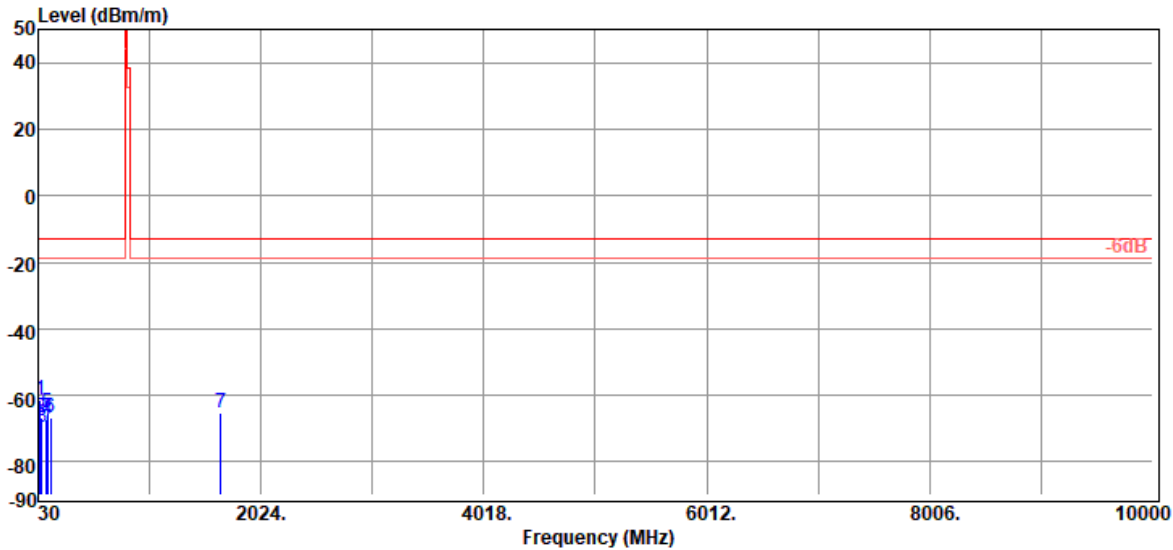
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Report Number :E2/2020/40009
Operation Mode :LTE B26
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :831.5 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.2/56
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
46.49	-61.42	-42.27	-18.29	-0.86	-13.00	-48.42
52.31	-66.95	-48.92	-17.14	-0.89	-13.00	-53.95
63.95	-69.78	-54.75	-14.03	-1.00	-13.00	-56.78
105.66	-67.30	-59.07	-6.83	-1.40	-13.00	-54.30
115.36	-65.41	-56.82	-7.14	-1.45	-13.00	-52.41
139.61	-66.53	-57.23	-7.64	-1.66	-13.00	-53.53
1663.00	-65.26	-67.08	9.43	-7.61	-13.00	-52.26

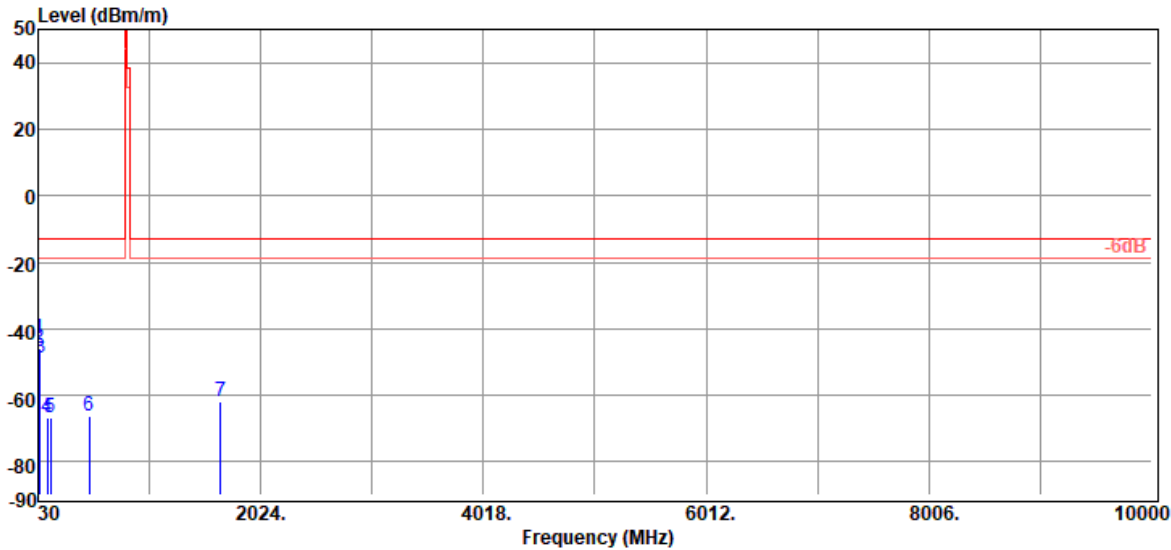
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Report Number :E2/2020/40009
Operation Mode :LTE B26
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :831.5 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.2/56
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.97	-43.24	-21.99	-20.62	-0.63	-13.00	-30.24
38.73	-45.96	-25.88	-19.25	-0.83	-13.00	-32.96
45.52	-48.74	-29.50	-18.38	-0.86	-13.00	-35.74
112.45	-66.81	-58.19	-7.17	-1.45	-13.00	-53.81
139.61	-66.95	-57.65	-7.64	-1.66	-13.00	-53.95
485.90	-66.15	-61.71	-1.11	-3.33	-13.00	-53.15
1663.00	-61.79	-63.61	9.43	-7.61	-13.00	-48.79

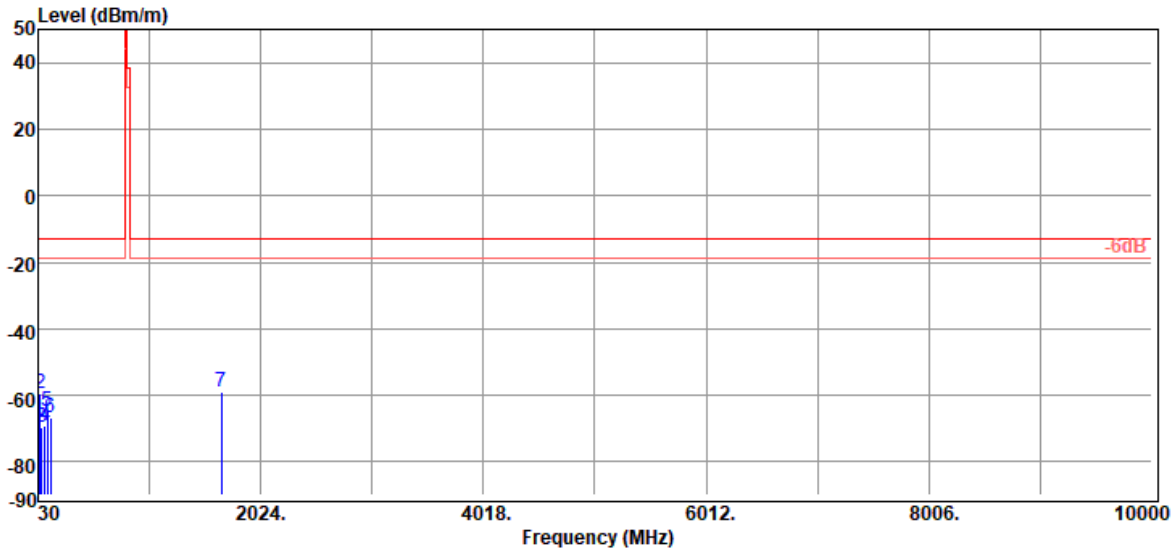
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B26
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :836.5 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.2/56
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.00	-67.01	-45.50	-20.90	-0.61	-13.00	-54.01
46.49	-59.47	-40.32	-18.29	-0.86	-13.00	-46.47
63.95	-69.62	-54.59	-14.03	-1.00	-13.00	-56.62
89.17	-69.26	-61.98	-6.12	-1.16	-13.00	-56.26
114.39	-64.78	-56.22	-7.11	-1.45	-13.00	-51.78
139.61	-66.86	-57.56	-7.64	-1.66	-13.00	-53.86
1673.00	-59.14	-60.99	9.53	-7.68	-13.00	-46.14

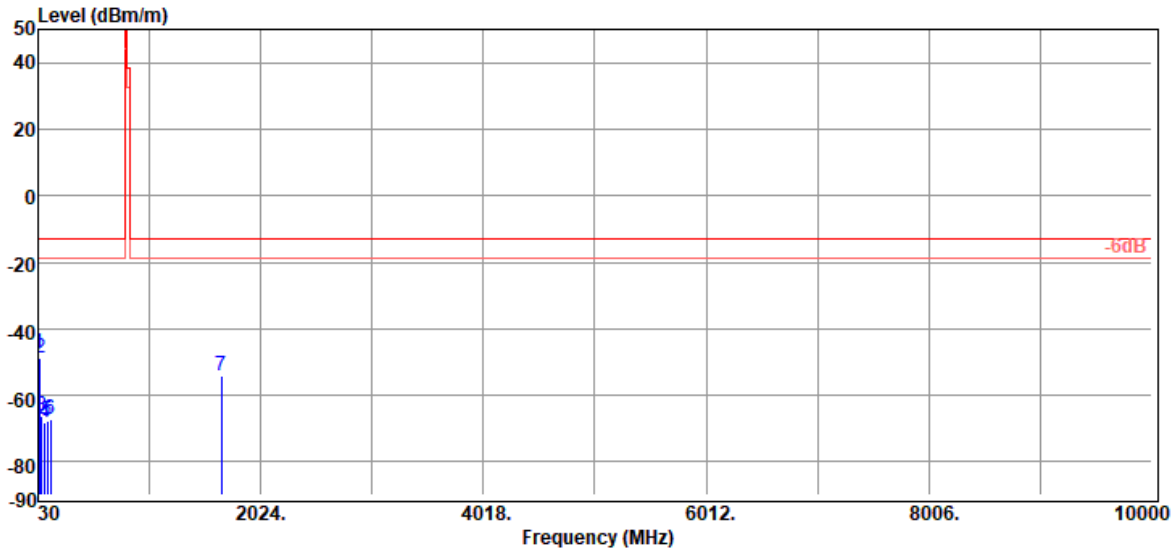
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B26
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :836.5 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.2/56
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
30.97	-47.50	-26.25	-20.62	-0.63	-13.00	-34.50
45.52	-48.59	-29.35	-18.38	-0.86	-13.00	-35.59
63.95	-66.39	-51.36	-14.03	-1.00	-13.00	-53.39
89.17	-68.43	-61.15	-6.12	-1.16	-13.00	-55.43
113.42	-67.85	-59.25	-7.15	-1.45	-13.00	-54.85
139.61	-67.44	-58.14	-7.64	-1.66	-13.00	-54.44
1673.00	-54.18	-56.03	9.53	-7.68	-13.00	-41.18

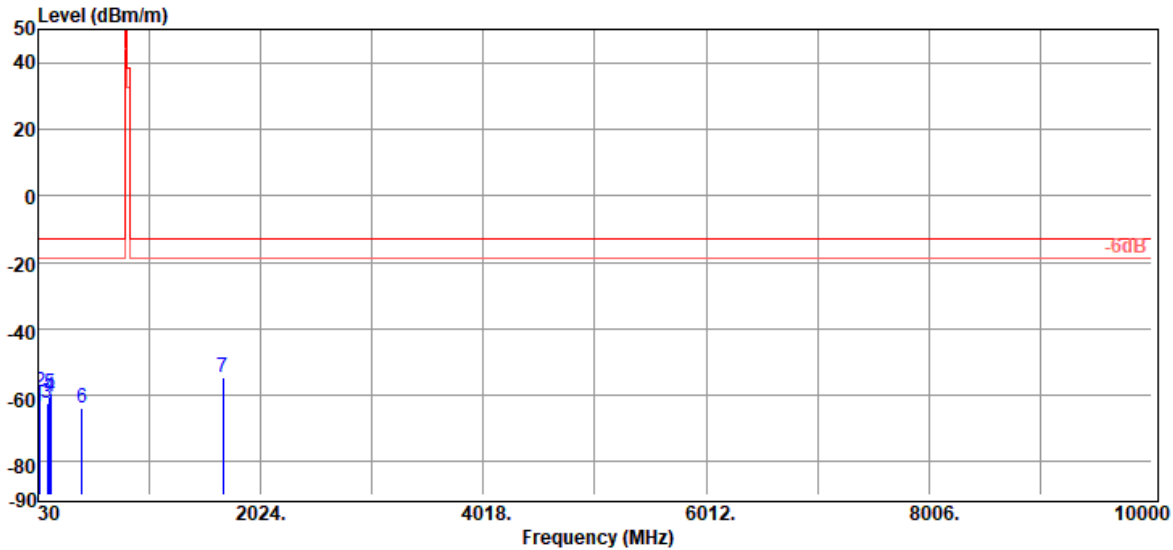
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Report Number :E2/2020/40009
Operation Mode :LTE B26
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :841.5 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.2/56
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
33.88	-63.13	-42.58	-19.84	-0.71	-13.00	-50.13
46.49	-59.14	-39.99	-18.29	-0.86	-13.00	-46.14
115.36	-62.22	-53.63	-7.14	-1.45	-13.00	-49.22
137.67	-60.43	-51.14	-7.63	-1.66	-13.00	-47.43
144.46	-59.27	-49.96	-7.64	-1.67	-13.00	-46.27
423.82	-63.96	-59.48	-1.35	-3.13	-13.00	-50.96
1683.00	-54.49	-56.38	9.63	-7.74	-13.00	-41.49

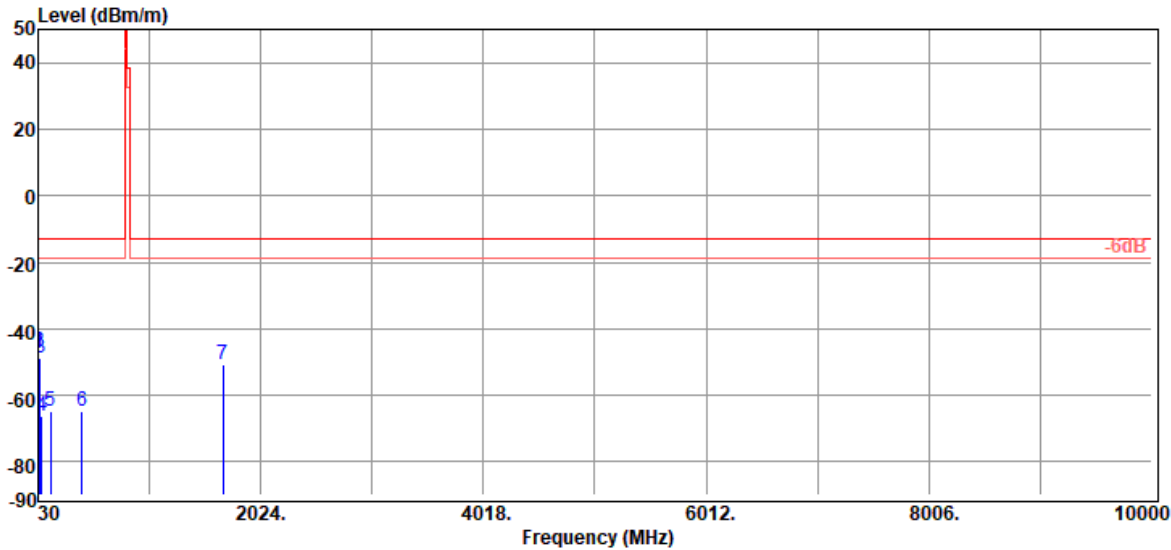
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B26
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :841.5 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.2/56
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
30.00	-47.41	-25.90	-20.90	-0.61	-13.00	-34.41
35.82	-47.04	-26.64	-19.64	-0.76	-13.00	-34.04
45.52	-48.81	-29.57	-18.38	-0.86	-13.00	-35.81
63.95	-66.22	-51.19	-14.03	-1.00	-13.00	-53.22
139.61	-65.03	-55.73	-7.64	-1.66	-13.00	-52.03
420.91	-64.88	-60.45	-1.30	-3.13	-13.00	-51.88
1683.00	-50.96	-52.85	9.63	-7.74	-13.00	-37.96

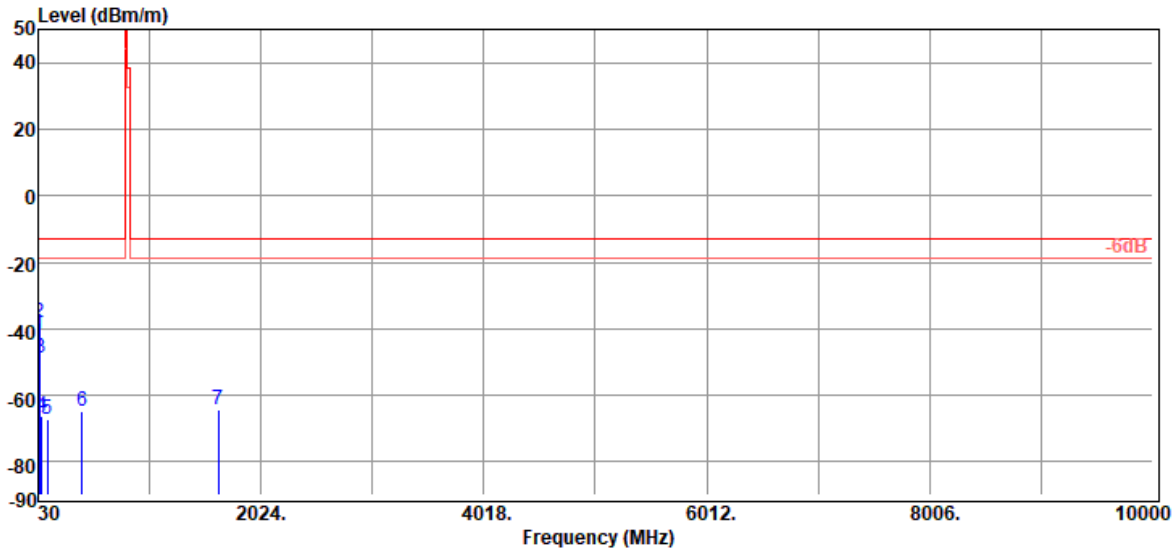
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B26 Part 90
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :821.5 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.2/56
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
35.82	-41.72	-21.32	-19.64	-0.76	-13.00	-28.72
38.73	-38.27	-18.19	-19.25	-0.83	-13.00	-25.27
45.52	-48.91	-29.67	-18.38	-0.86	-13.00	-35.91
63.95	-66.33	-51.30	-14.03	-1.00	-13.00	-53.33
113.42	-67.02	-58.42	-7.15	-1.45	-13.00	-54.02
420.91	-64.99	-60.56	-1.30	-3.13	-13.00	-51.99
1643.00	-64.26	-66.04	9.27	-7.49	-13.00	-51.26

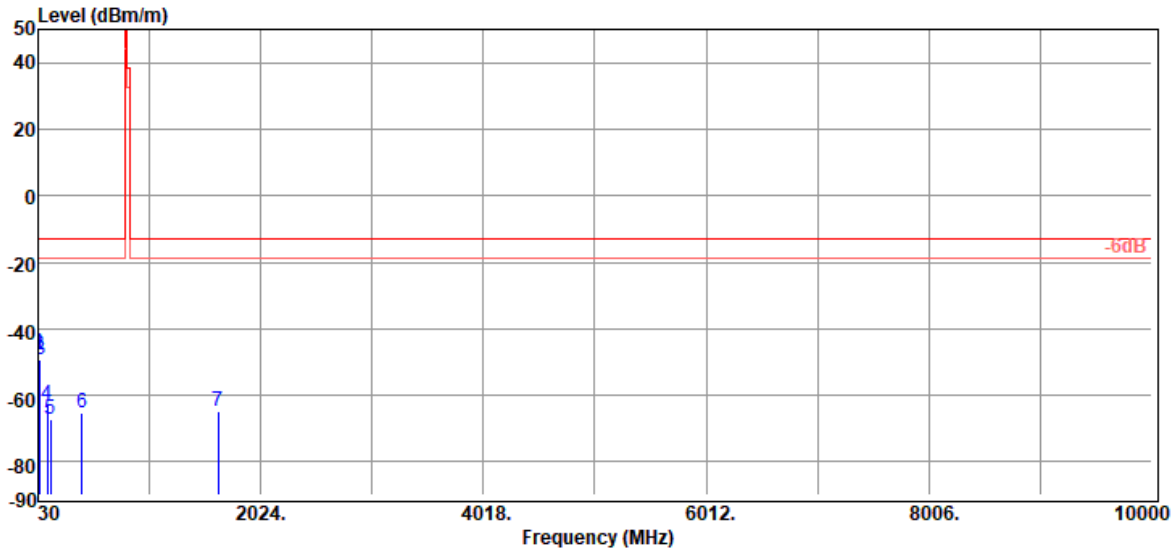
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Report Number :E2/2020/40009
Operation Mode :LTE B26 Part 90
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Frequency :821.5 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.2/56
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.00	-47.49	-25.98	-20.90	-0.61	-13.00	-34.49
36.79	-47.62	-27.41	-19.43	-0.78	-13.00	-34.62
45.52	-49.10	-29.86	-18.38	-0.86	-13.00	-36.10
113.42	-62.78	-54.18	-7.15	-1.45	-13.00	-49.78
139.61	-67.19	-57.89	-7.64	-1.66	-13.00	-54.19
420.91	-65.15	-60.72	-1.30	-3.13	-13.00	-52.15
1643.00	-64.63	-66.41	9.27	-7.49	-13.00	-51.63

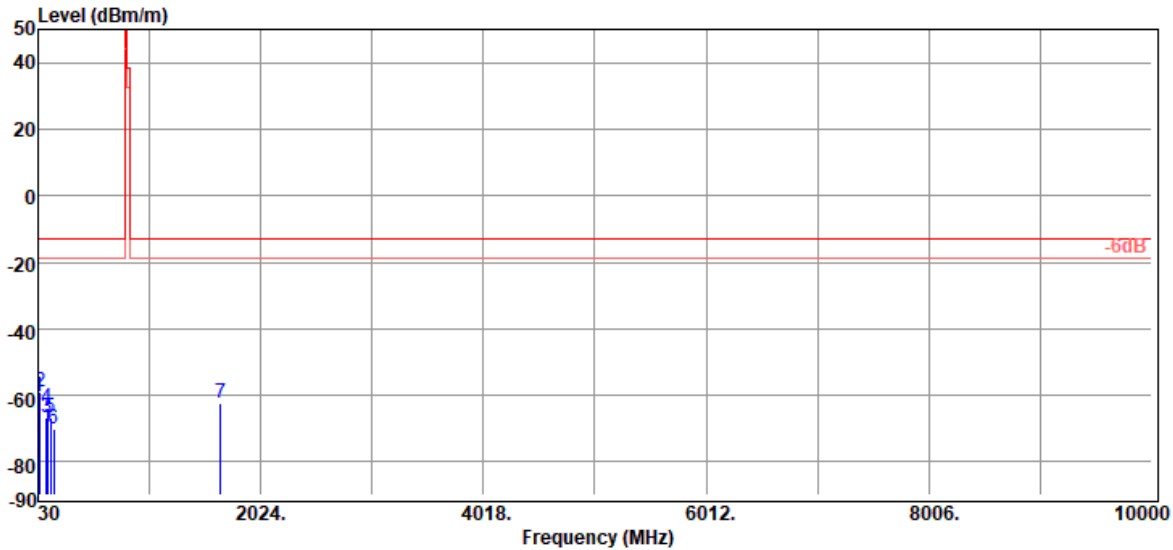
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B26 Part 90
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :831.5 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.2/56
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.82	-60.64	-40.24	-19.64	-0.76	-13.00	-47.64
46.49	-59.18	-40.03	-18.29	-0.86	-13.00	-46.18
104.69	-66.84	-58.67	-6.78	-1.39	-13.00	-53.84
114.39	-63.62	-55.06	-7.11	-1.45	-13.00	-50.62
139.61	-66.54	-57.24	-7.64	-1.66	-13.00	-53.54
167.74	-70.11	-61.93	-6.45	-1.73	-13.00	-57.11
1663.00	-62.55	-64.37	9.43	-7.61	-13.00	-49.55

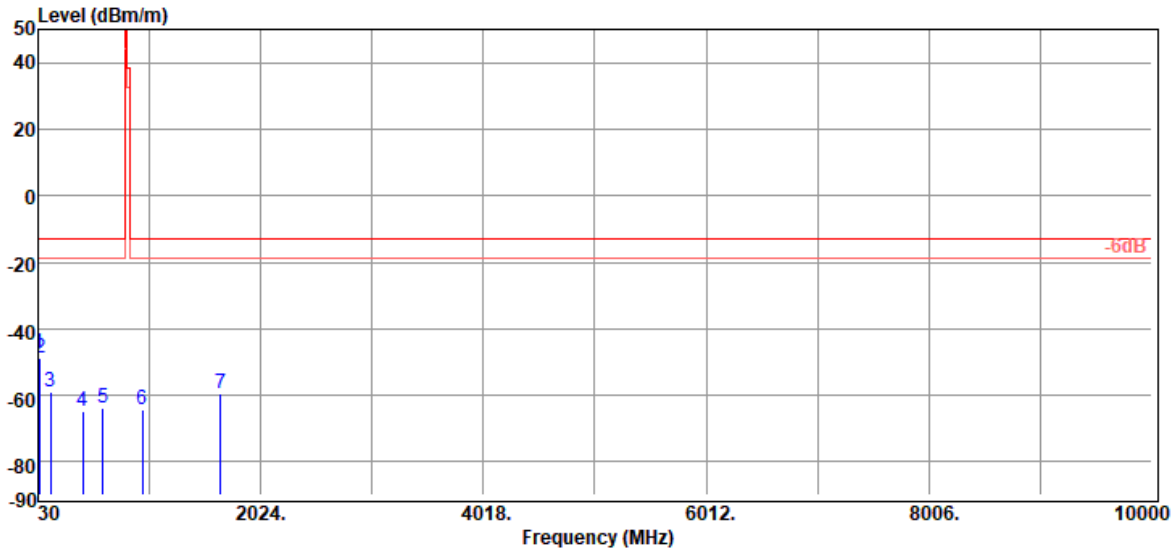
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B26 Part 90
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Frequency :831.5 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.2/56
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.00	-47.20	-25.69	-20.90	-0.61	-13.00	-34.20
45.52	-49.03	-29.79	-18.38	-0.86	-13.00	-36.03
144.46	-58.94	-49.63	-7.64	-1.67	-13.00	-45.94
431.58	-64.70	-60.16	-1.44	-3.10	-13.00	-51.70
608.12	-63.66	-57.92	-1.76	-3.98	-13.00	-50.66
965.08	-64.31	-57.41	-1.65	-5.25	-13.00	-51.31
1663.00	-59.59	-61.41	9.43	-7.61	-13.00	-46.59

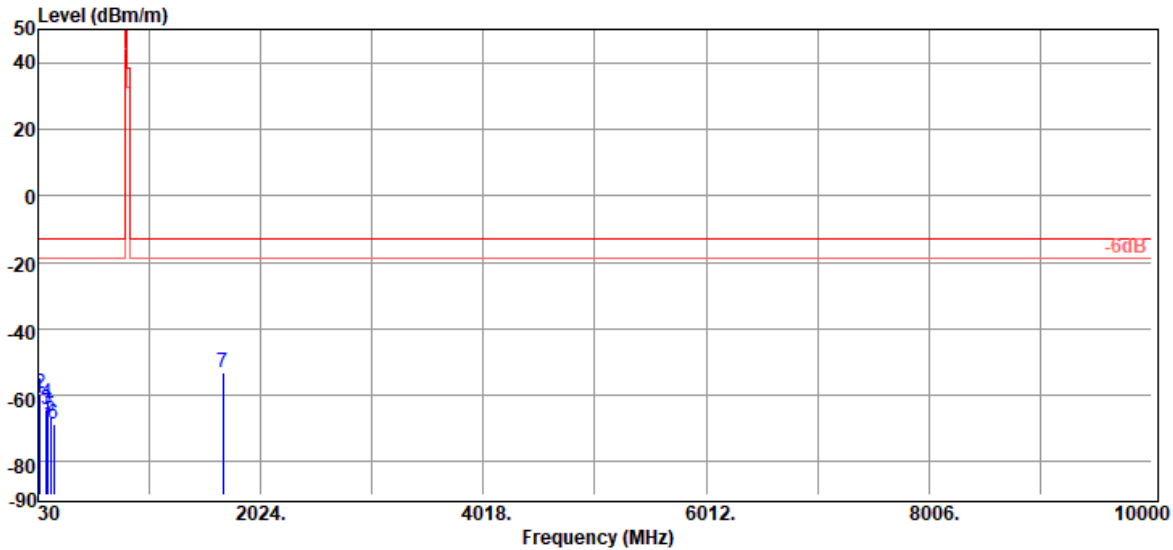
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B26 Part 90
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :841.5 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.2/56
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
35.82	-61.02	-40.62	-19.64	-0.76	-13.00	-48.02
46.49	-59.34	-40.19	-18.29	-0.86	-13.00	-46.34
105.66	-64.20	-55.97	-6.83	-1.40	-13.00	-51.20
113.42	-62.31	-53.71	-7.15	-1.45	-13.00	-49.31
139.61	-66.25	-56.95	-7.64	-1.66	-13.00	-53.25
167.74	-68.75	-60.57	-6.45	-1.73	-13.00	-55.75
1683.00	-53.39	-55.28	9.63	-7.74	-13.00	-40.39

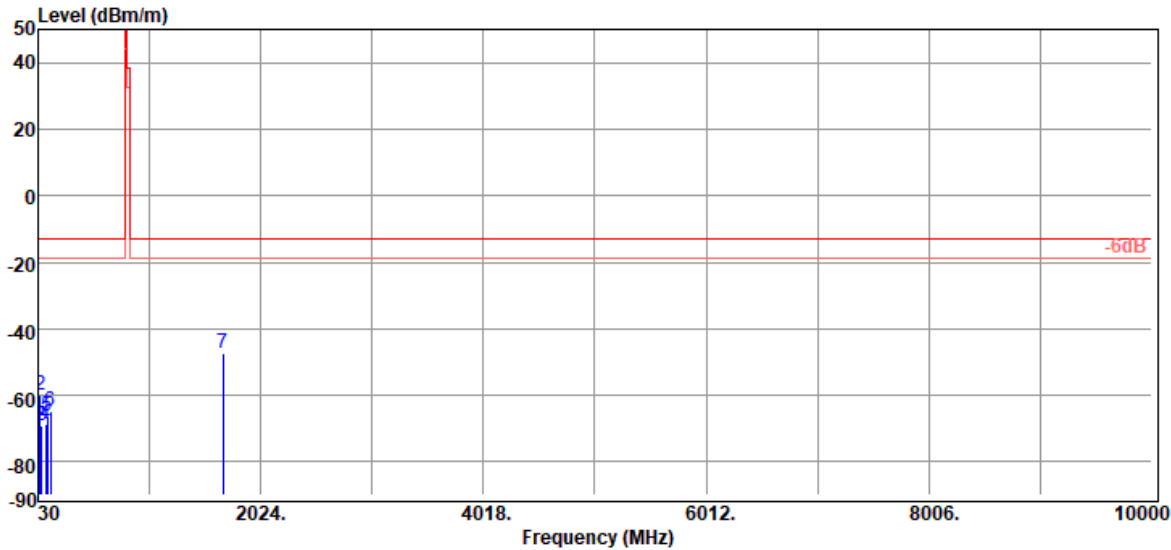
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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 :E2/2020/40009
Operation Mode :LTE B26 Part 90
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Frequency :841.5 MHz

Test Site :966 Chamber C
Test Date :2020-07-01
Temp./Humi. :23.2/56
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.97	-66.08	-44.83	-20.62	-0.63	-13.00	-53.08
46.49	-60.00	-40.85	-18.29	-0.86	-13.00	-47.00
63.95	-68.94	-53.91	-14.03	-1.00	-13.00	-55.94
100.81	-68.73	-61.06	-6.33	-1.34	-13.00	-55.73
114.39	-66.21	-57.65	-7.11	-1.45	-13.00	-53.21
140.58	-64.72	-55.42	-7.64	-1.66	-13.00	-51.72
1683.00	-47.47	-49.36	9.63	-7.74	-13.00	-34.47

~ 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.