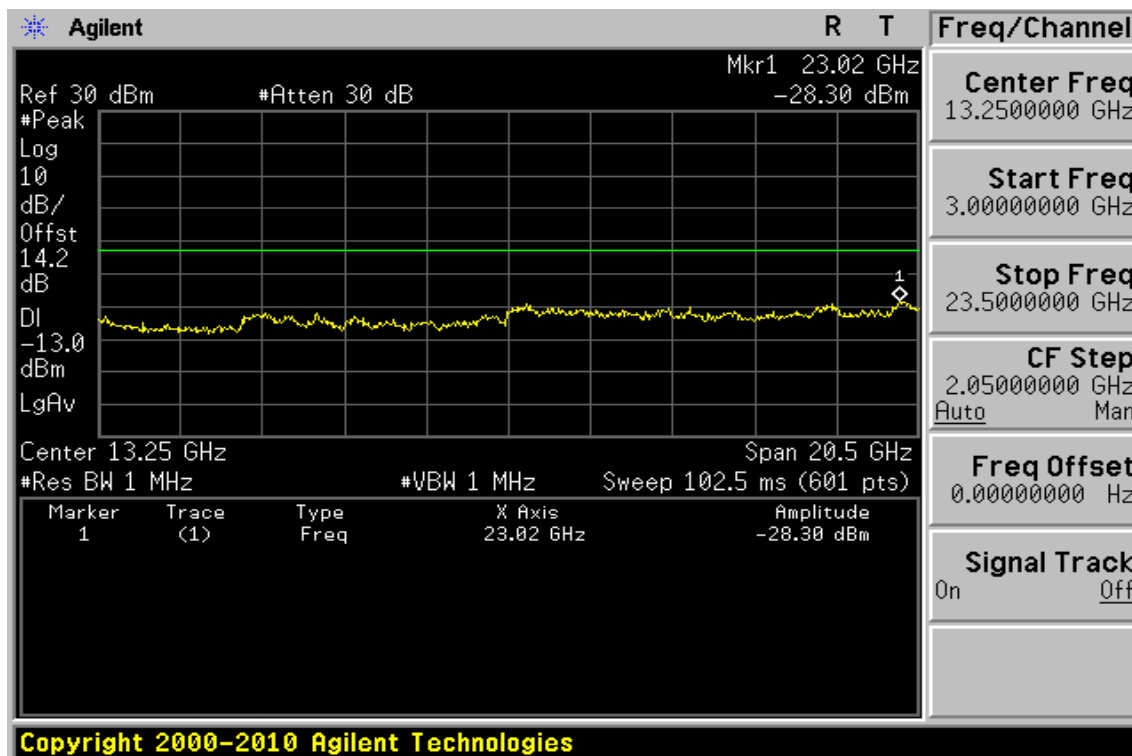
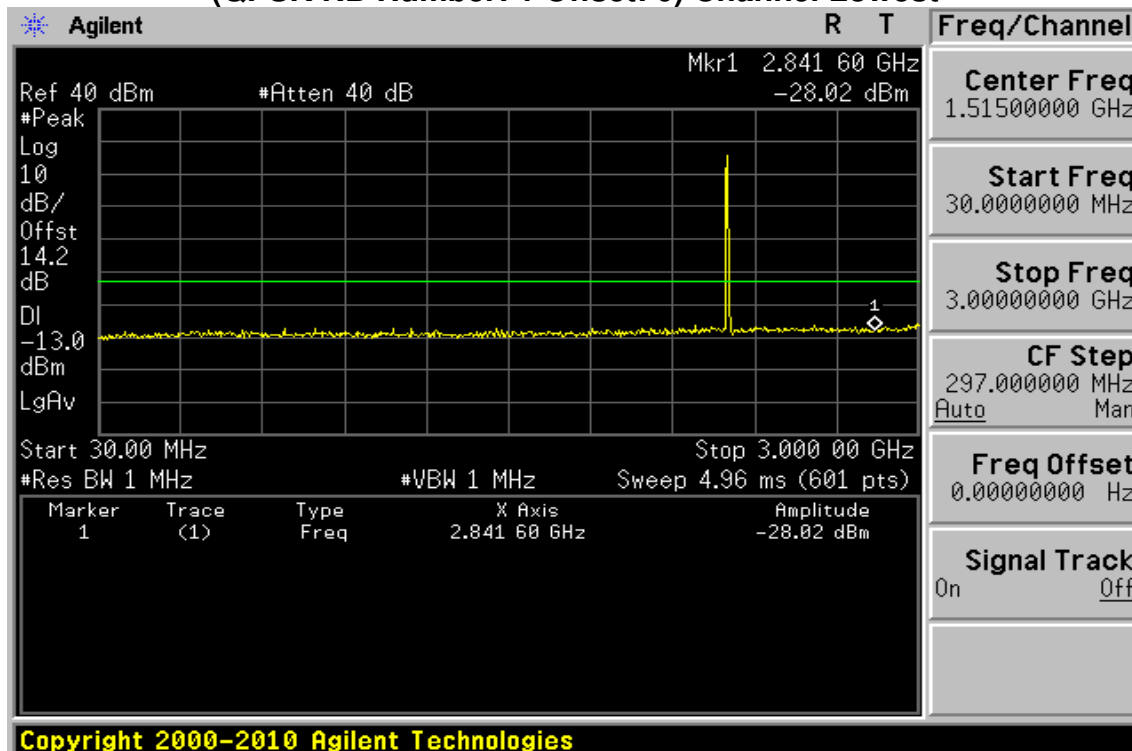


Out of Band emission at antenna terminals—5MHz BW LTE-Band 30 (QPSK RB Number: 1 Offset: 0) Channel Lowest



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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

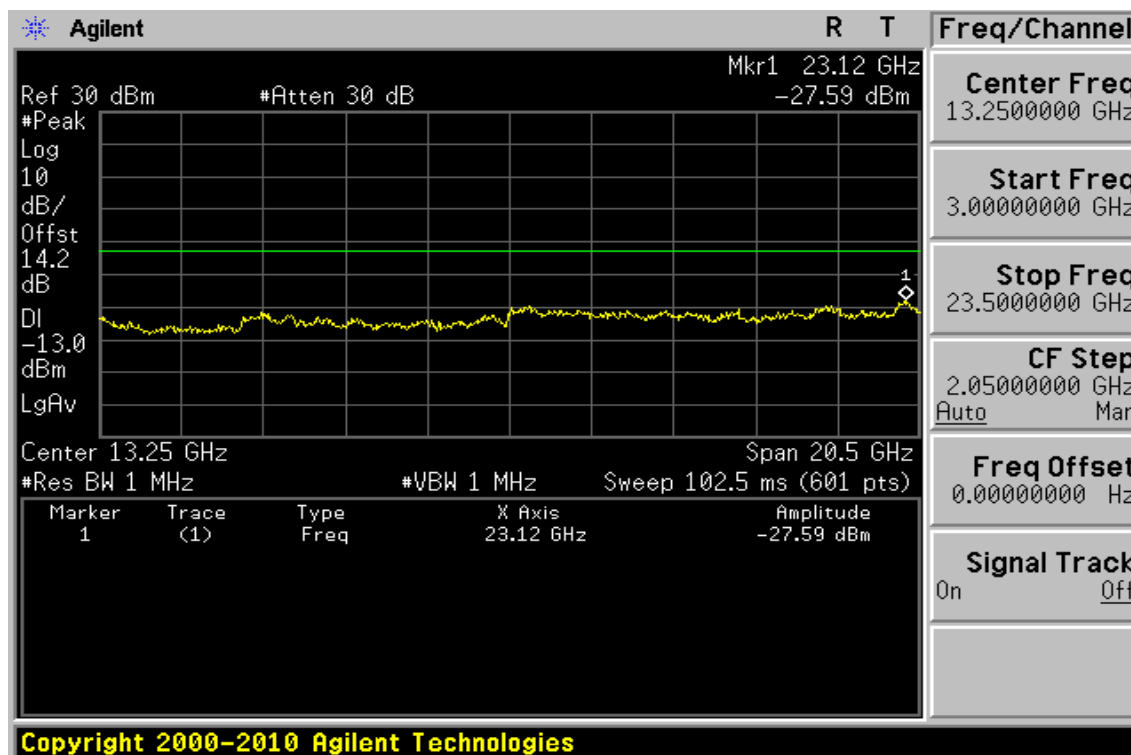
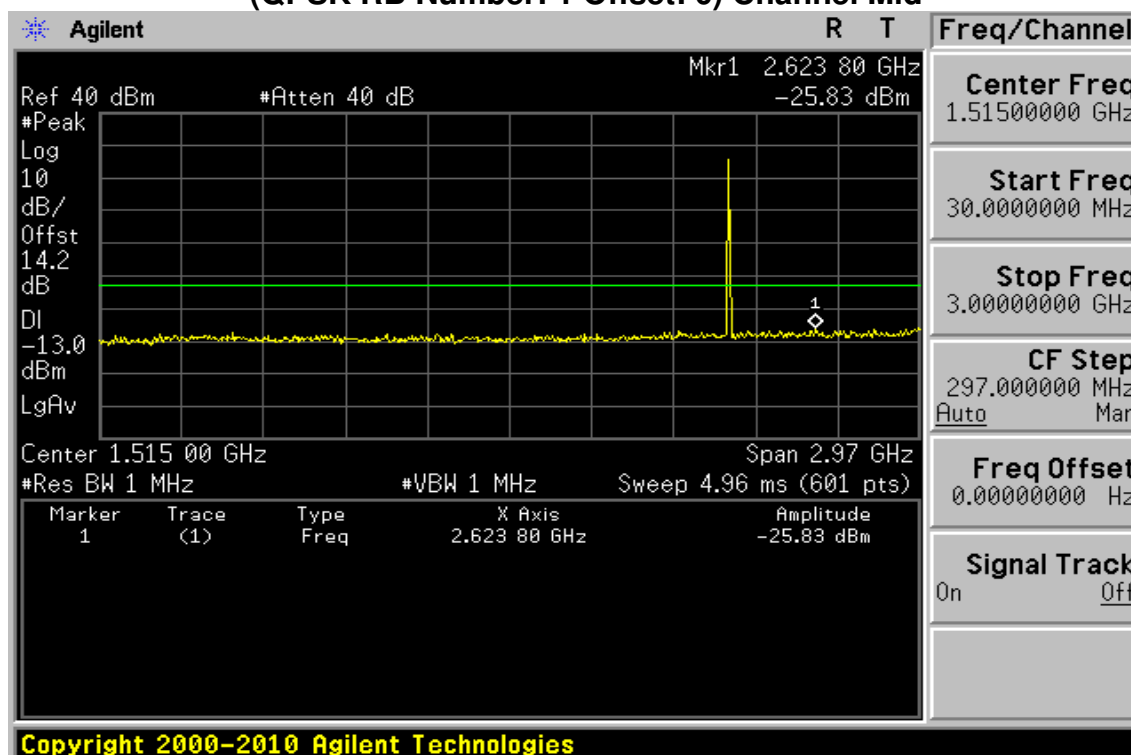
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Out of Band emission at antenna terminals –5MHz BW LTE-Band 30 (QPSK RB Number: 1 Offset: 0) Channel Mid



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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

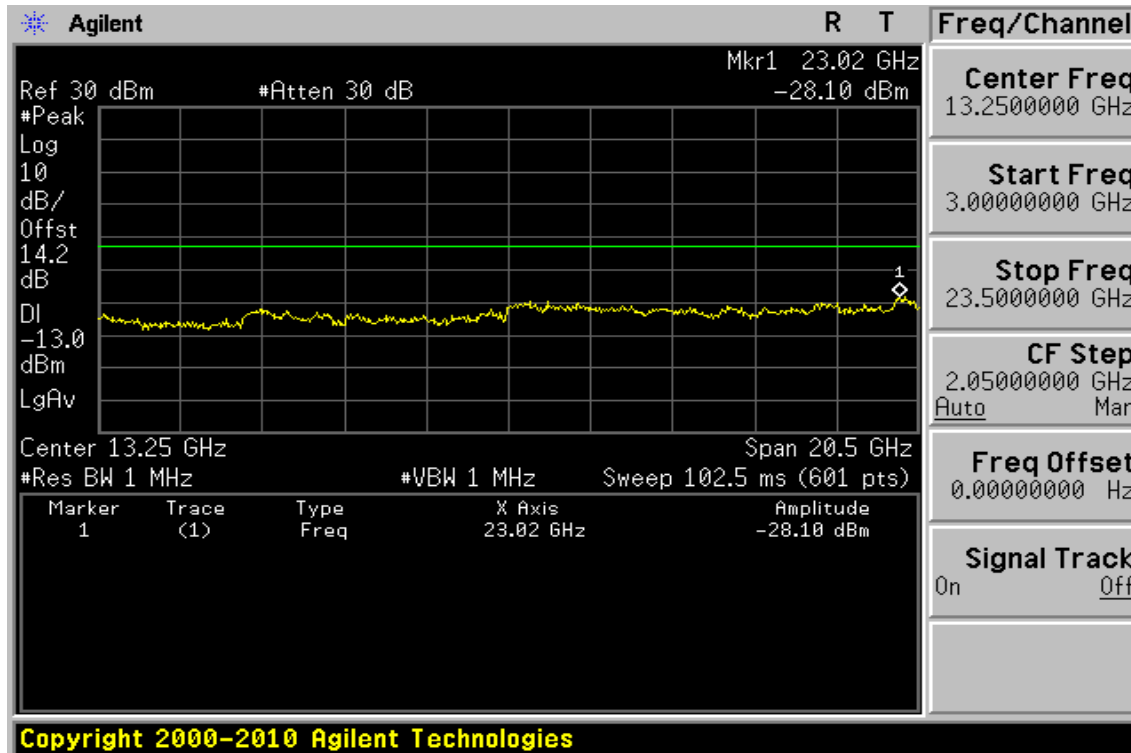
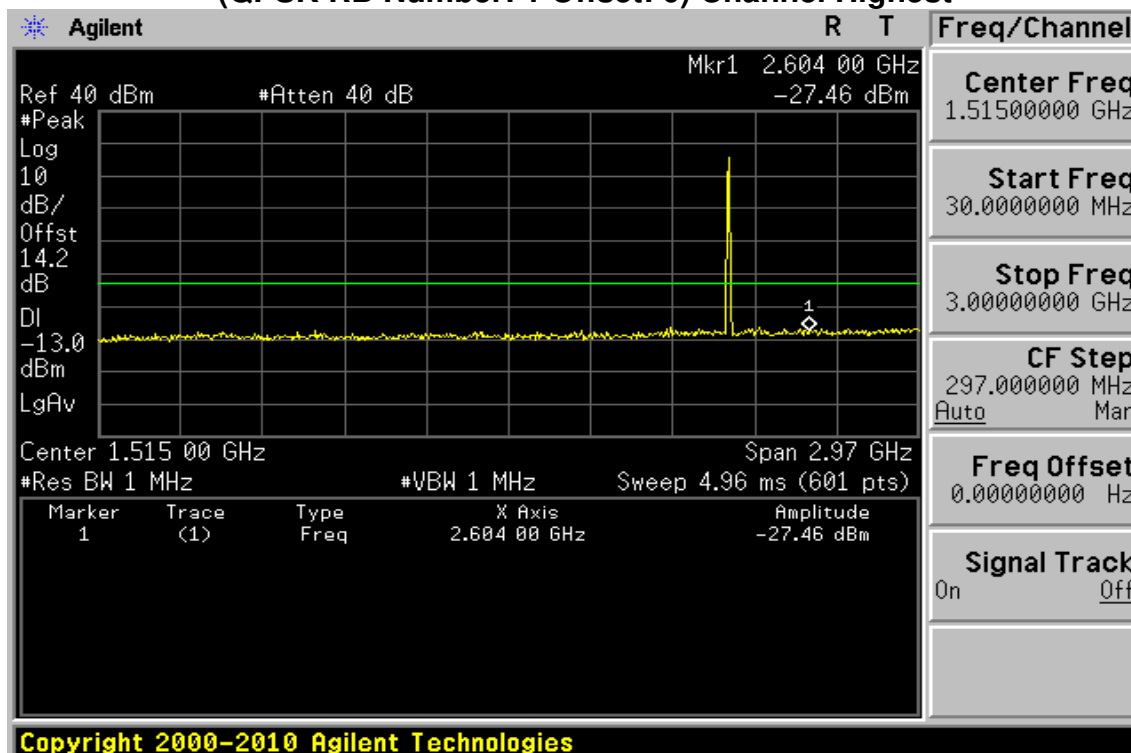
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

**Out of Band emission at antenna terminals–5MHz BW LTE-Band 30
(QPSK RB Number: 1 Offset: 0) Channel Highest**



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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

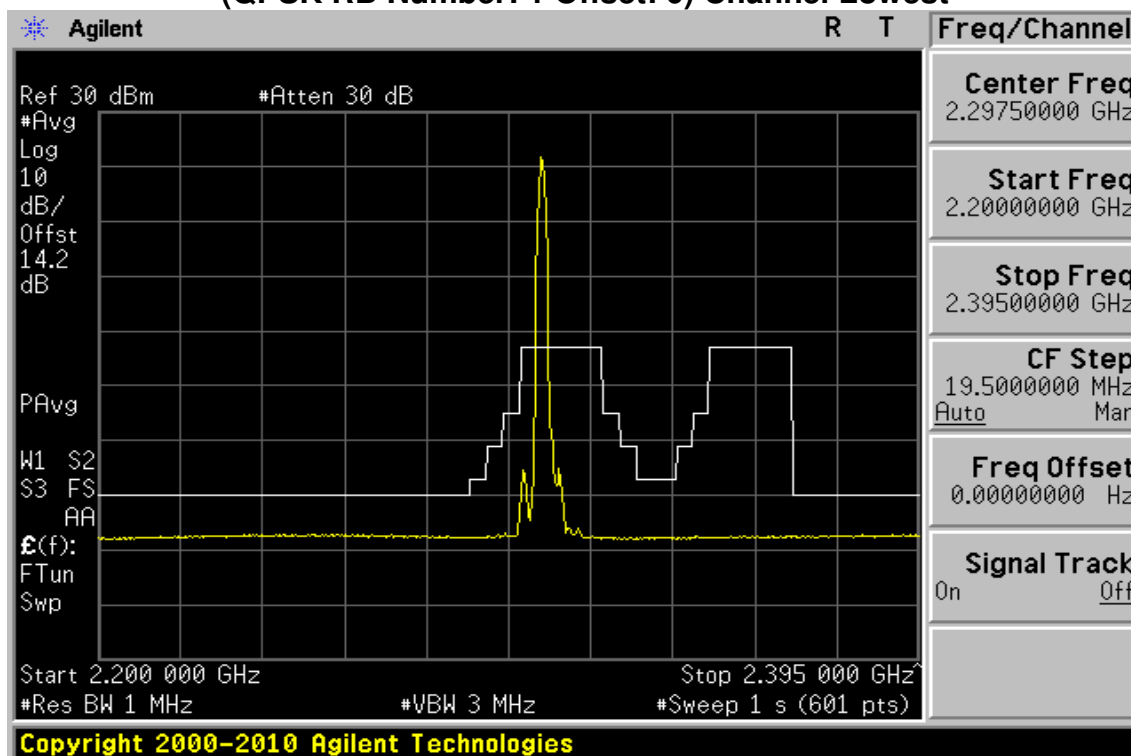
t (886-2) 2299-3279

f (886-2) 2298-0488

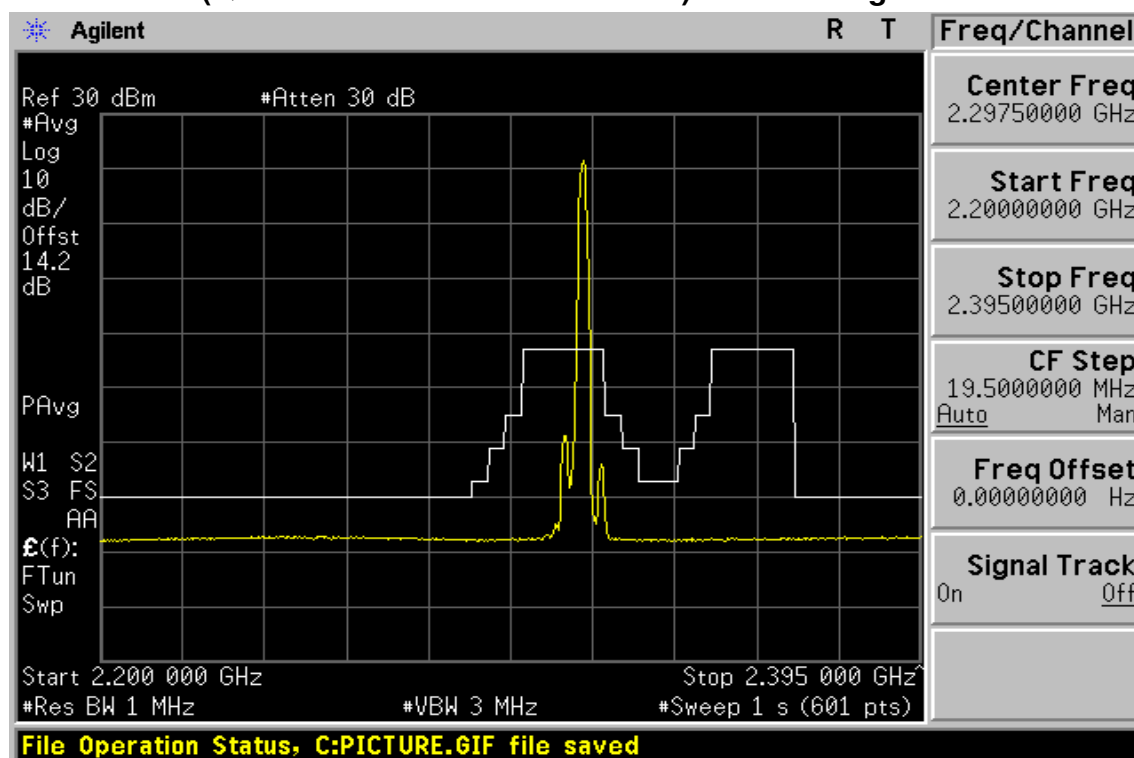
www.tw.sgs.com

Member of SGS Group

**Band edge emission at antenna terminals –5MHz BW LTE-Band 30
(QPSK RB Number: 1 Offset: 0) Channel Lowest**



**Band edge emission at antenna terminals –5MHz BW LTE-Band 30
(QPSK RB Number: 1 Offset: 24) Channel Highest**



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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

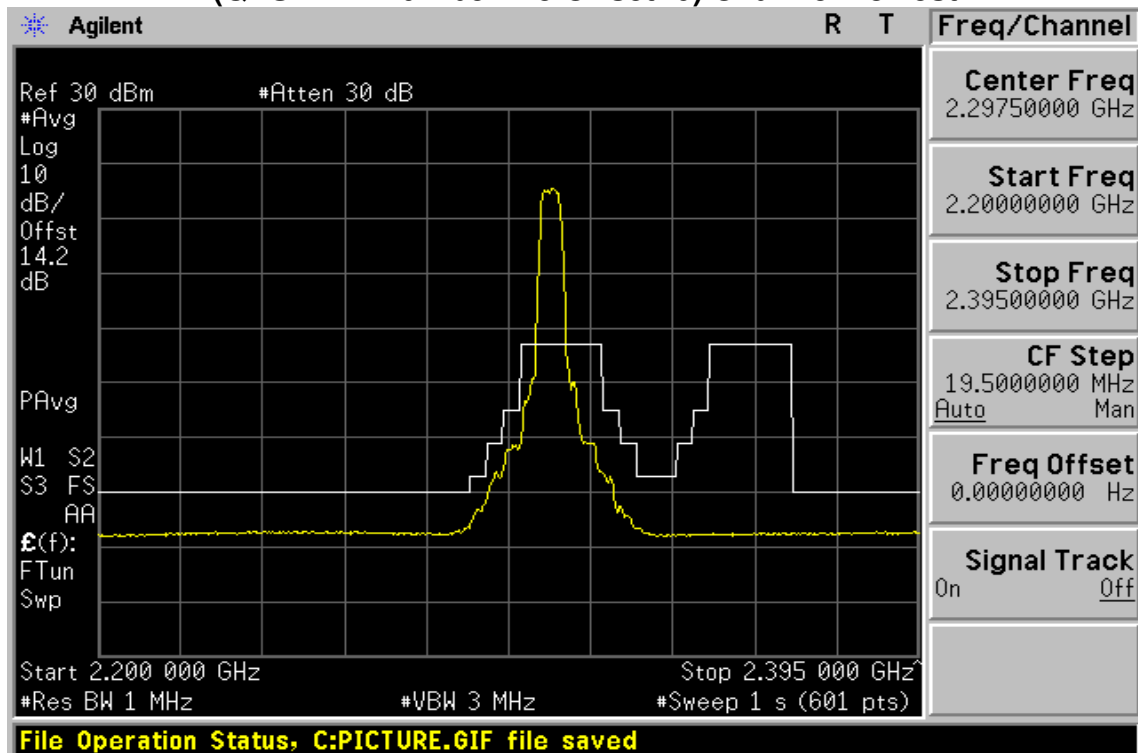
t (886-2) 2299-3279

f (886-2) 2298-0488

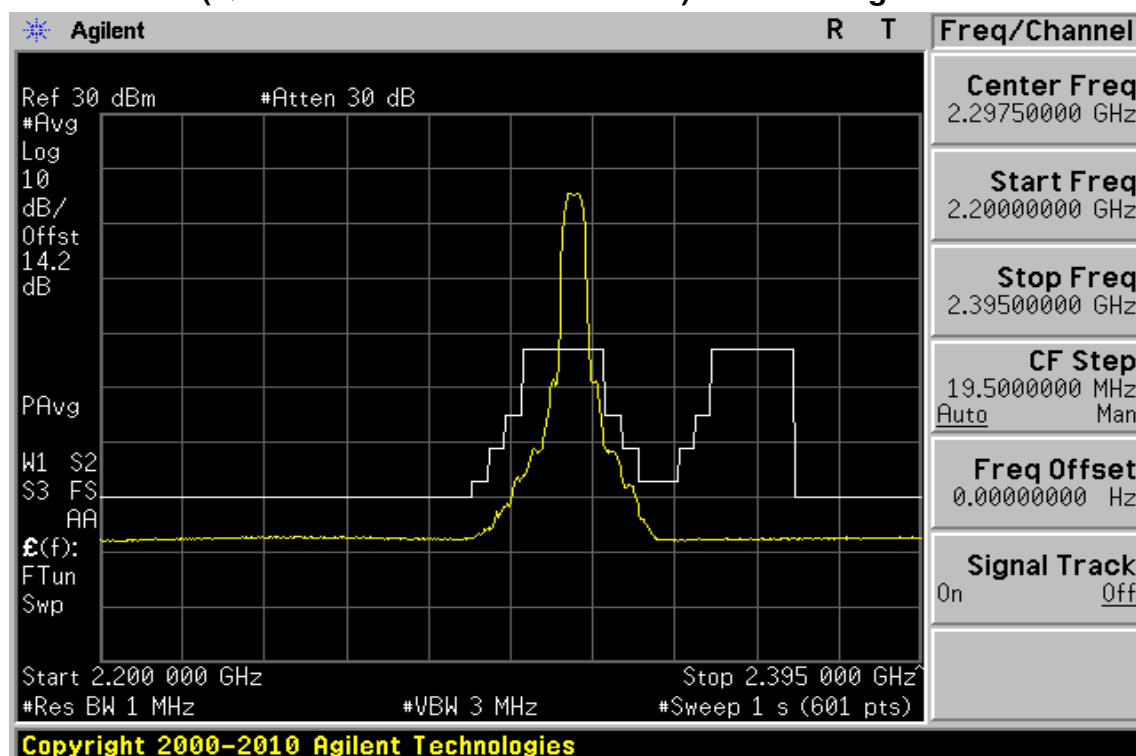
www.tw.sgs.com

Member of SGS Group

Band edge emission at antenna terminals –5MHz BW LTE-Band 30 (QPSK RB Number: 25 Offset: 0) Channel Lowest



Band edge emission at antenna terminals –5MHz BW LTE-Band 30 (QPSK RB Number: 25 Offset: 0) Channel Highest



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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

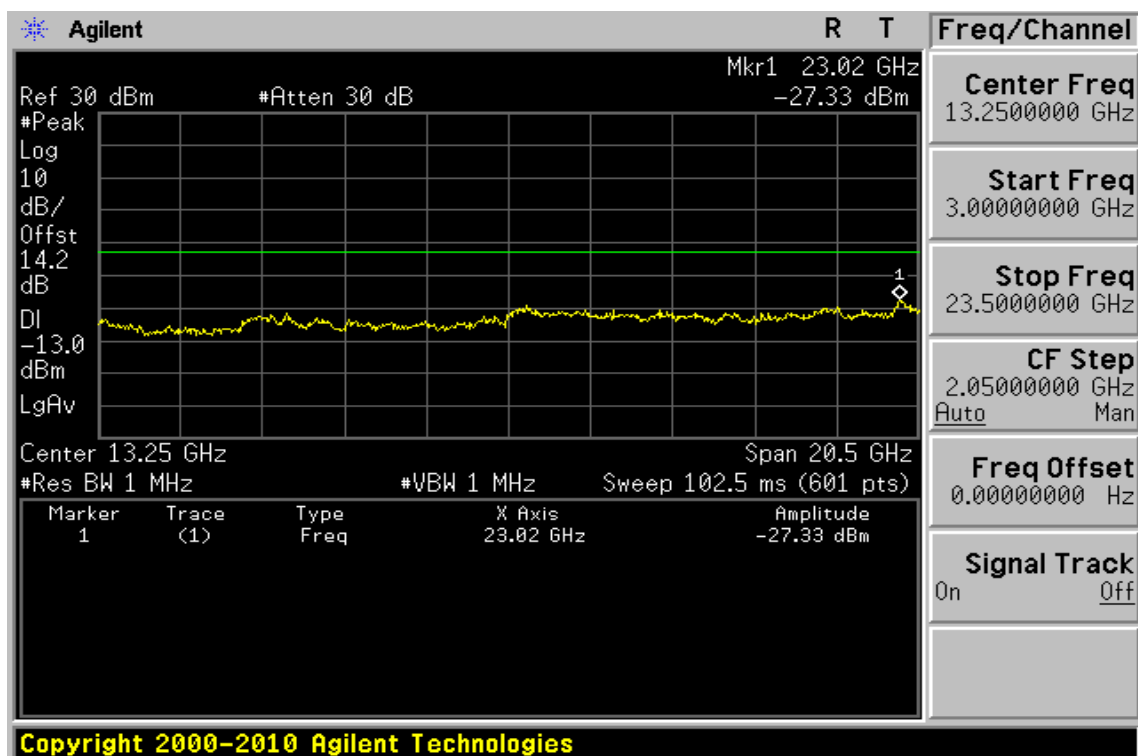
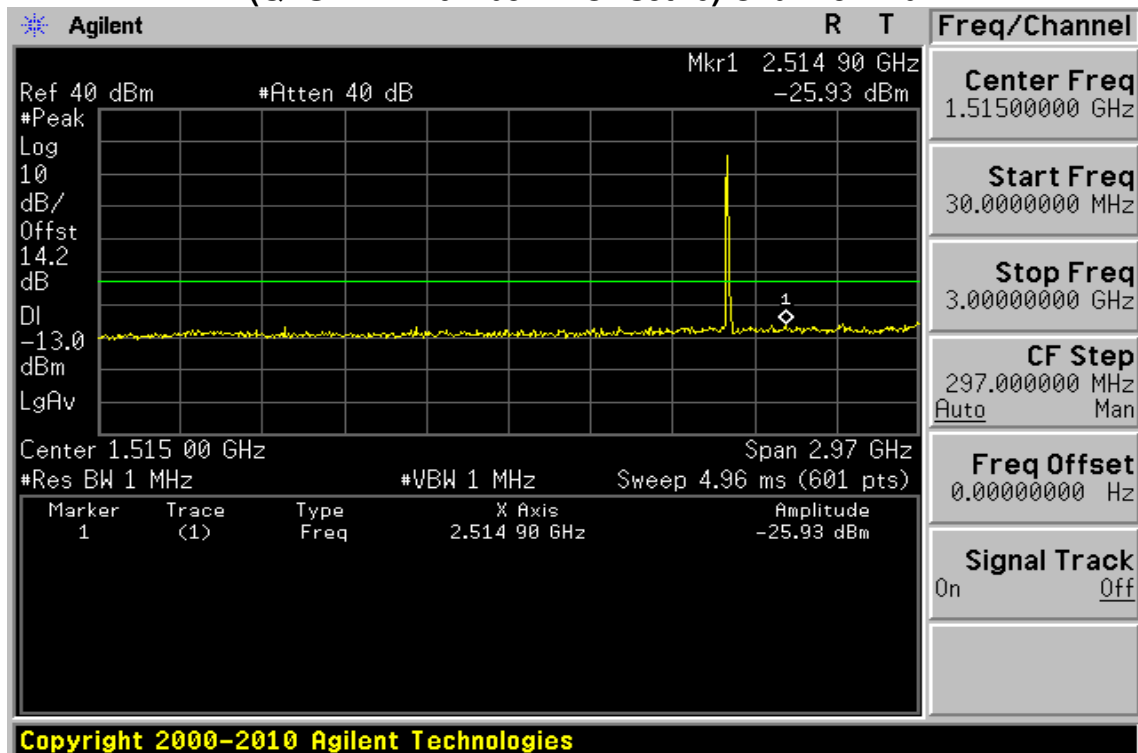
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Out of Band emission at antenna terminals –10MHz BW LTE-Band 30 (QPSK RB Number: 1 Offset: 0) Channel Mid



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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

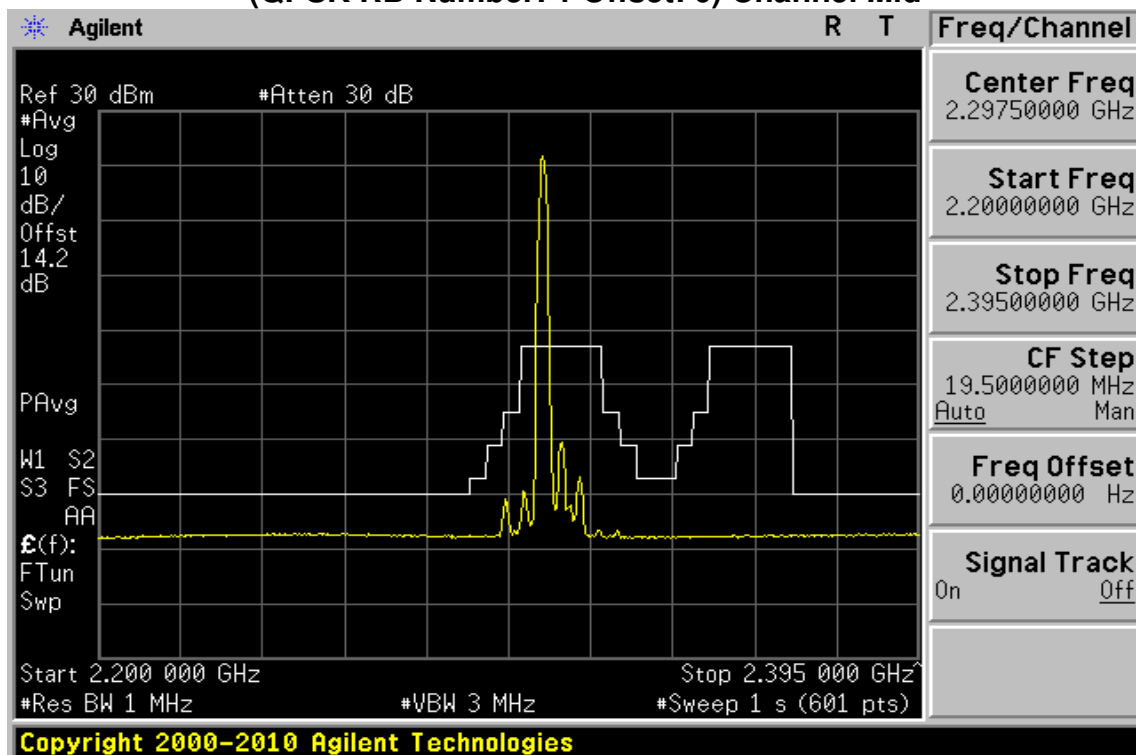
t (886-2) 2299-3279

f (886-2) 2298-0488

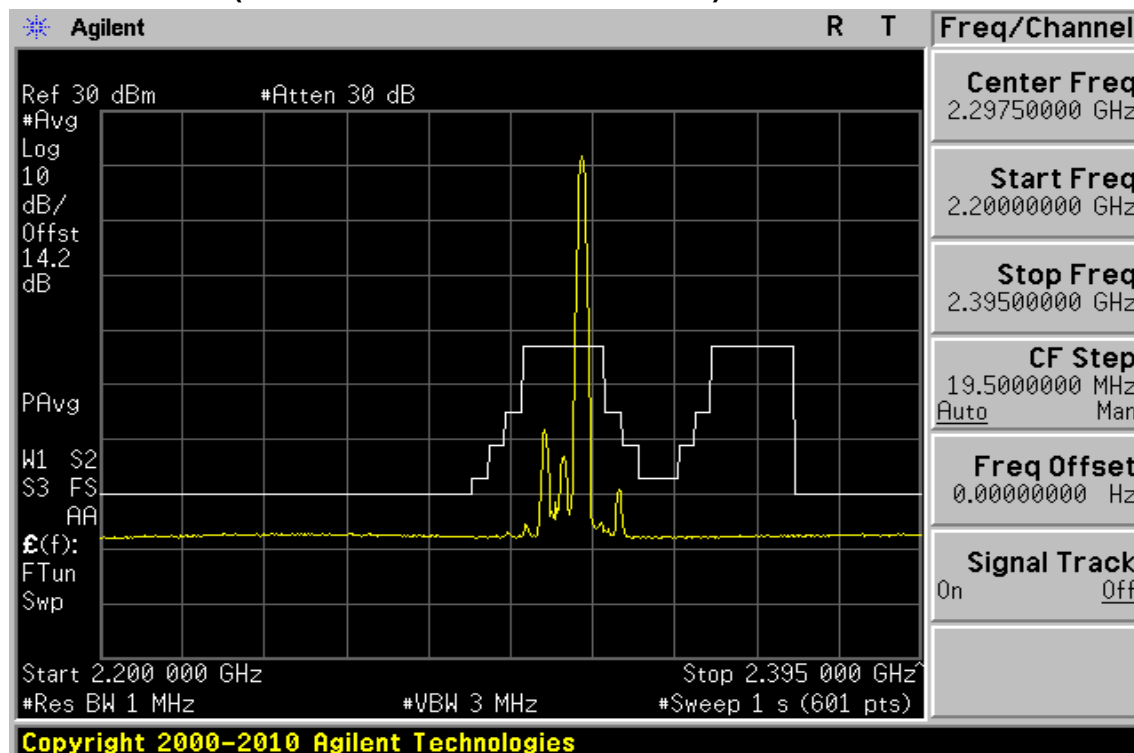
www.tw.sgs.com

Member of SGS Group

Band edge emission at antenna terminals –10MHz BW LTE-Band 30 (QPSK RB Number: 1 Offset: 0) Channel Mid



Band edge emission at antenna terminals –10MHz BW LTE-Band 30 (QPSK RB Number: 1 Offset: 49) Channel Mid



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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

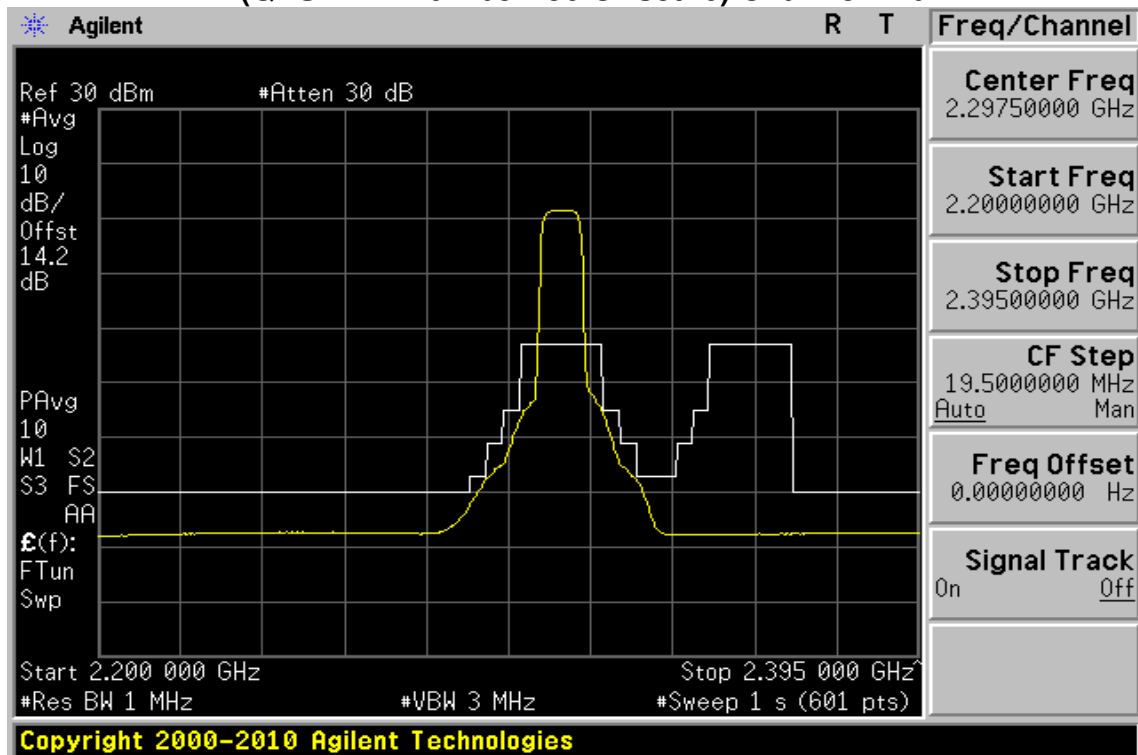
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

**Band edge emission at antenna terminals –10MHz BW LTE-Band 30
(QPSK RB Number: 50 Offset: 0) Channel Mid**



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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

10. FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

10.1. Standard Applicable

According to FCC §2.1053,

FCC §22.917(a) , §24.238(a) , §27.53(g)(h) , the magnitude of each spurious and harmonic emission that can be detected when the equipment is operated under the conditions specified in the instruction manual and/ or alignment procedure, shall not be less than $43 + 10 \log$ (mean output power in watts) dBc below the mean power output outside a license's frequency block (-13dBm).

FCC §27.53 (m) (4) shall not be less than $55 + 10 \log$ (mean output power in watt) dBc below the mean power output outside a license's frequency block (-25dBm).

§27.53 (c)

(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;

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

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

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

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

SGS Taiwan Ltd.

台灣檢驗科技股份有限公司

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

t (886-2) 2299-3279

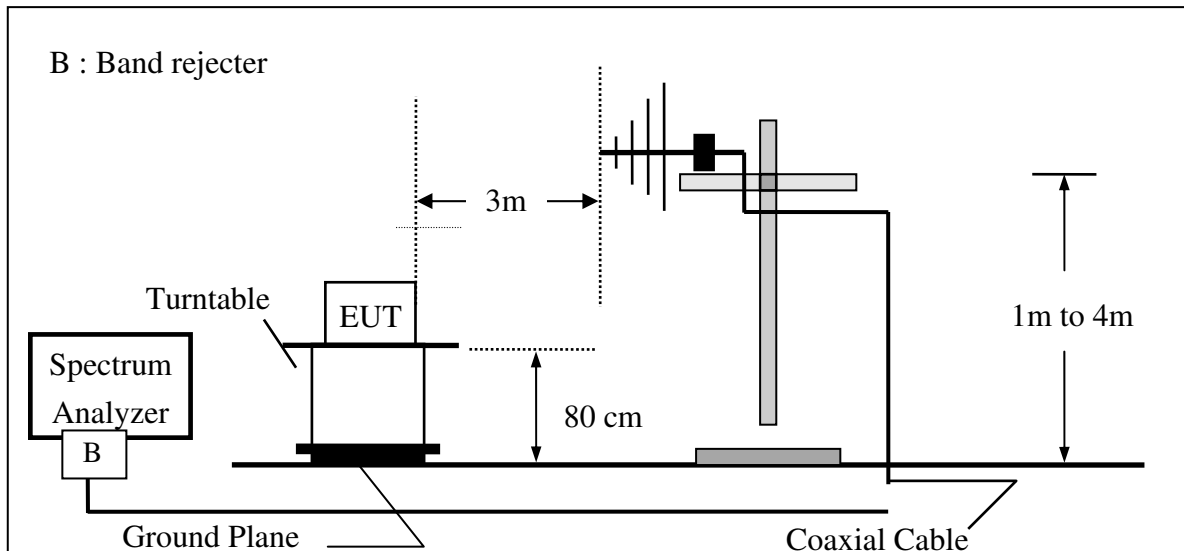
f (886-2) 2298-0488

www.tw.sgs.com

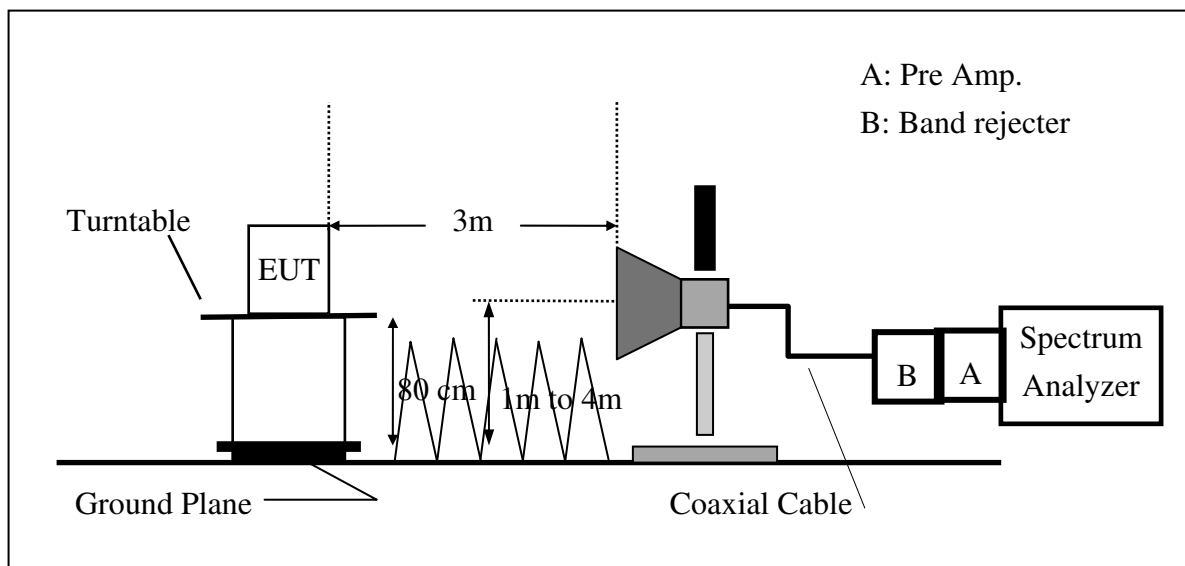
Member of SGS Group

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

10.3. 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.

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

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

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
“---” : denotes Noise Floor.

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

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

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

SGS Taiwan Ltd.

台灣檢驗科技股份有限公司

No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/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.tw.sgs.com

Member of SGS Group

10.4. Measurement Equipment Used:

ERP, EIRP MEASUREMENT EQUIPMENT List 966 Chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EMI Test Receiver	R&S	ESCI7	100760	05/10/2016	05/09/2017
Spectrum Analyzer	Agilent	E4446A	MY51100003	01/29/2016	01/28/2017
Loop Antenna	ETS.LINDGREN	6502	148045	09/07/2015	09/06/2016
Bilog Antenna	SCHWAZBECK	VULB9168	378	12/14/2015	12/13/2016
Horn Antenna	Schwarzbeck	BBHA9120D	1441	08/10/2015	08/09/2016
Pre-Amplifier	Agilent	8447D	2944A07676	01/02/2016	01/01/2017
Pre-Amplifier	EMC Instruments Corp.	EMC0126530	980038	01/02/2016	01/01/2017
Turn Table	HD	DT420	N/A	N.C.R	N.C.R
Antenna Tower	ChamPro	AM-BS-4500-B	060776-ABS	N.C.R	N.C.R
Controller	ChamPro	EM1000	60776	N.C.R	N.C.R
Low Loss Cable	Huber Suhner	966_RX	9	01/02/2016	01/01/2017
3m Site NSA	SGS	966 chamber	N/A	07/02/2015	07/01/2016
Low Loss Cable	Huber Suhner	966 TX	1	01/02/2016	01/01/2017
Radio Communication Analyzer	R&S	CMU200	102189	02/11/2016	02/10/2017
Radio Communication Analyer	Anritsu	MT8820C	6201465317	12/10/2015	12/09/2016

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

ERP, EIRP MEASUREMENT EQUIPMENT List 966 Chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EMI Test Receiver	R&S	ESCI7	100760	05/10/2016	05/09/2017
Spectrum Analyzer	Agilent	E4446A	MY51100003	01/28/2017	01/27/2018
Loop Antenna	ETS-Lindgren	6502	148045	09/06/2016	09/05/2017
Bilog Antenna	SCHWAZBECK	VULB9168	378	12/13/2017	12/12/2018
Horn Antenna	Schwarzbeck	BBHA9120D	1441	08/01/2016	07/31/2017
Pre-Amplifier	Agilent	8447D	2944A07676	01/01/2017	12/31/2017
Pre-Amplifier	EMC Instruments Corp.	EMC0126530	980038	01/01/2017	12/31/2017
Low Loss Cable	Huber Suhner	966_RX	9	01/01/2017	12/31/2017
3m Site NSA	SGS	966 chamber	N/A	07/01/2016	06/30/2017
Low Loss Cable	Huber Suhner	966 TX	1	01/01/2017	12/31/2017
Radio Communication Analyzer	R&S	CMU200	102189	02/11/2016	02/10/2017
Radio Communication Analyer	Anritsu	MT8820C	6201465317	12/09/2016	12/08/2017

Note: The measurement was taken place with the long duration of the time, and additional equipment list as shown above indicate those equipment of which has been subject to undertake the calibration in intermediate period of time of the measurement.

Note: WPC wireless charging functions are implemented in field strength of spurious radiation measurement.

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

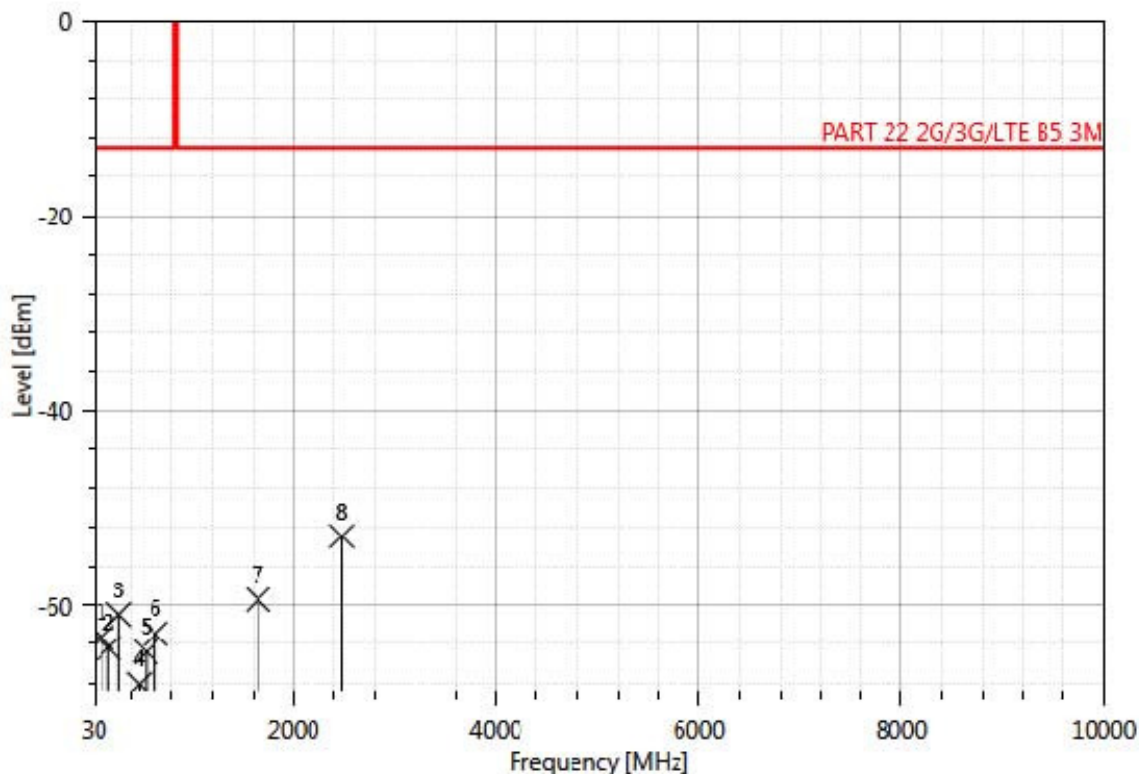
www.tw.sgs.com

Member of SGS Group

10.5. Measurement Result:

Radiated Spurious Emission Measurement Result: GSM 850 Mode

Operation Mode :	GSM 850	Test Date :	04/27/2016 16:10:04
Fundamental Frequency :	824.2 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
103.72	S	Peak	-63.31	-60.10	-1.95	-1.26	-13.00	-50.31
172.59	S	Peak	-64.37	-62.40	-0.44	-1.53	-13.00	-51.37
274.44	S	Peak	-60.96	-62.58	3.47	-1.85	-13.00	-47.96
473.29	S	Peak	-68.05	-69.57	3.75	-2.23	-13.00	-55.05
542.16	S	Peak	-64.80	-65.81	3.63	-2.62	-13.00	-51.80
636.25	S	Peak	-62.93	-63.65	3.17	-2.45	-13.00	-49.93
1648.40	H	Peak	-59.44	-62.33	7.11	-4.22	-13.00	-46.44
2472.60	H	Peak	-52.91	-56.42	8.73	-5.22	-13.00	-39.91

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

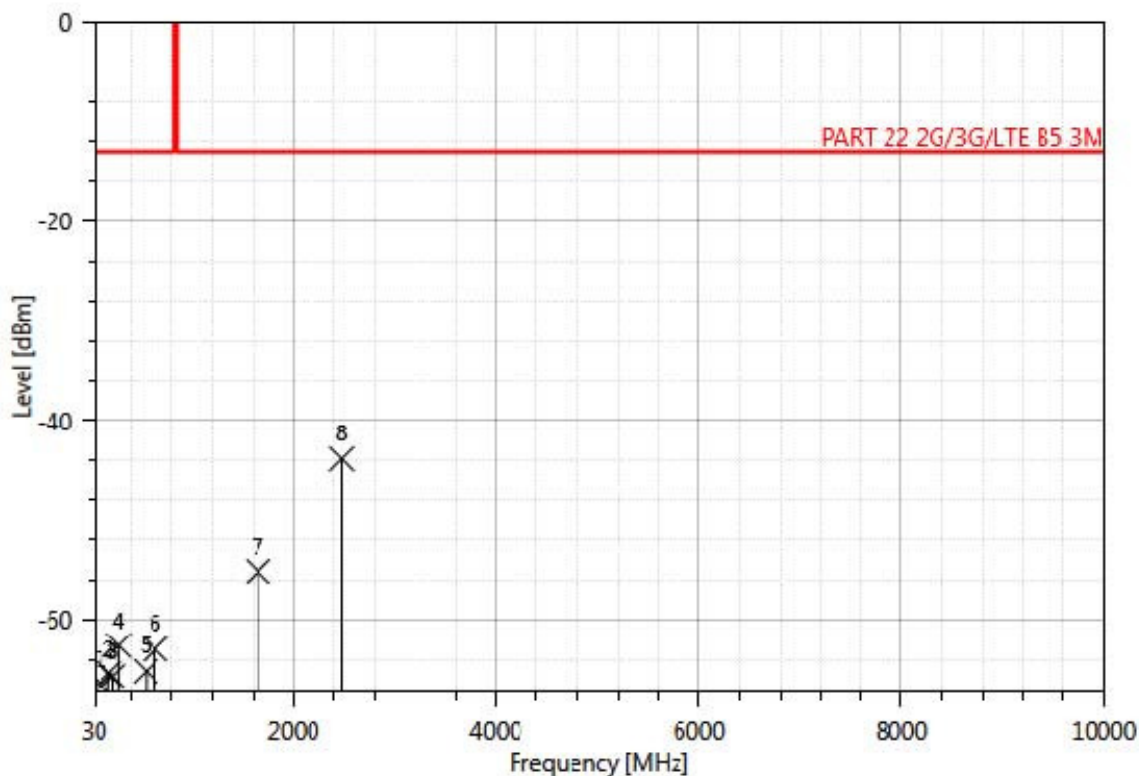
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	GSM 850	Test Date :	04/27/2016 16:10:11
Fundamental Frequency :	824.2 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
97.90	S	Peak	-66.49	-65.25	0.00	-1.24	-13.00	-53.49
173.56	S	Peak	-65.36	-63.82	0.00	-1.53	-13.00	-52.36
216.24	S	Peak	-65.64	-63.95	0.00	-1.69	-13.00	-52.64
275.41	S	Peak	-62.57	-60.72	0.00	-1.85	-13.00	-49.57
541.19	S	Peak	-65.14	-62.53	0.00	-2.61	-13.00	-52.14
633.34	S	Peak	-62.93	-60.47	0.00	-2.46	-13.00	-49.93
1648.40	H	Peak	-55.13	-58.01	7.11	-4.22	-13.00	-42.13
2472.60	H	Peak	-43.81	-47.31	8.73	-5.22	-13.00	-30.81

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

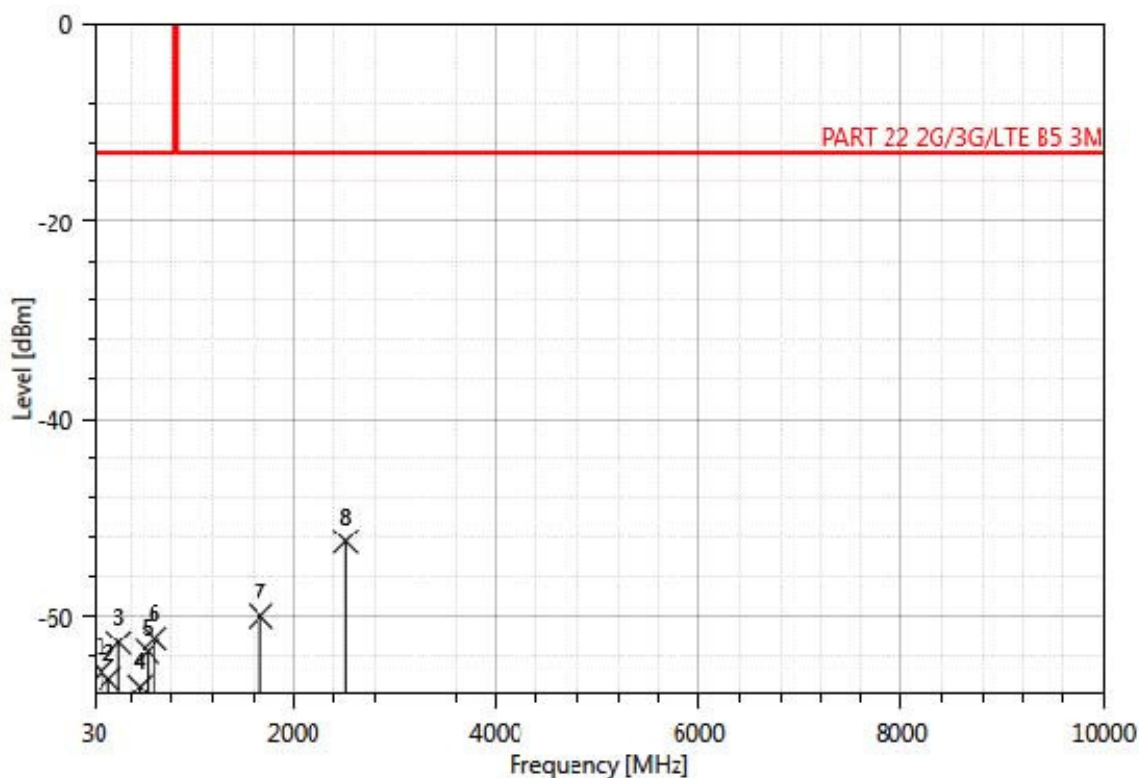
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	GSM 850	Test Date :	04/27/2016 16:10:19
Fundamental Frequency :	836.6 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
102.75	S	Peak	-65.59	-62.46	-1.87	-1.26	-13.00	-52.59
172.59	S	Peak	-66.34	-64.38	-0.44	-1.53	-13.00	-53.34
272.50	S	Peak	-62.68	-64.32	3.49	-1.84	-13.00	-49.68
478.14	S	Peak	-67.11	-68.64	3.77	-2.24	-13.00	-54.11
555.74	S	Peak	-63.59	-64.38	3.55	-2.75	-13.00	-50.59
624.61	S	Peak	-62.24	-62.92	3.19	-2.51	-13.00	-49.24
1673.20	H	Peak	-59.96	-62.87	7.20	-4.29	-13.00	-46.96
2509.80	H	Peak	-52.42	-55.92	8.76	-5.26	-13.00	-39.42

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

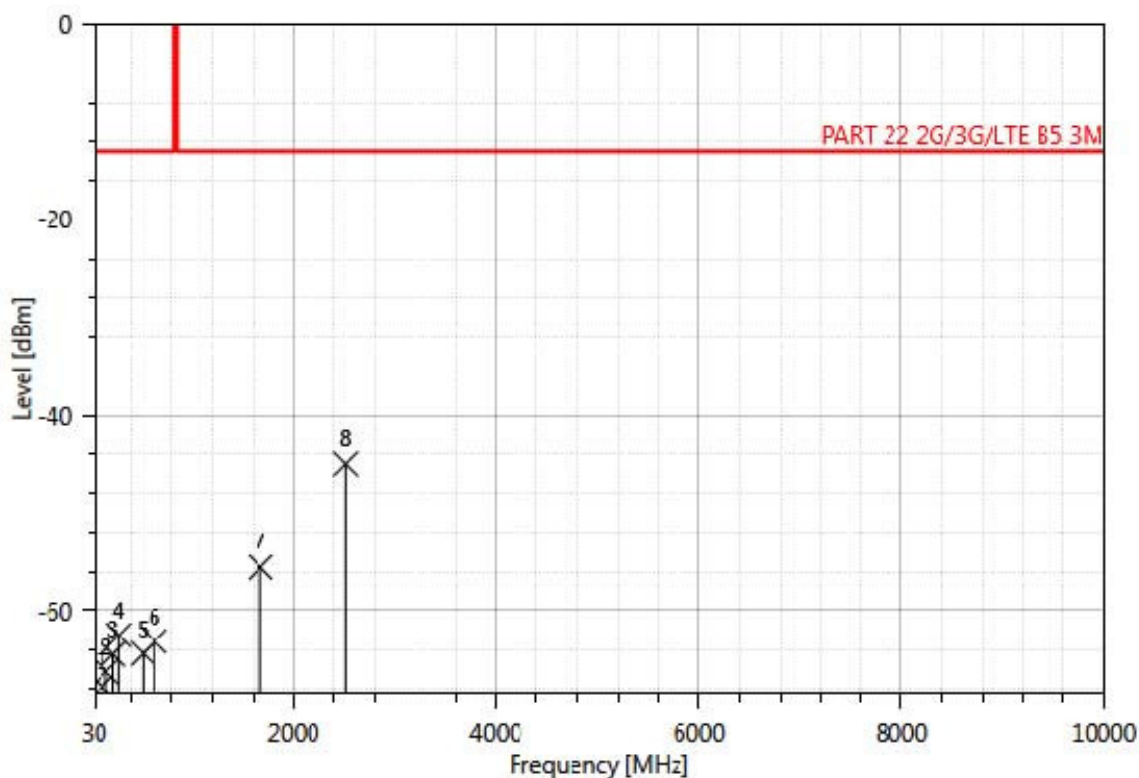
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	GSM 850	Test Date :	04/27/2016 16:10:26
Fundamental Frequency :	836.6 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
104.69	S	Peak	-67.82	-66.55	0.00	-1.27	-13.00	-54.82
148.34	S	Peak	-66.25	-64.83	0.00	-1.42	-13.00	-53.25
216.24	S	Peak	-64.51	-62.82	0.00	-1.69	-13.00	-51.51
275.41	S	Peak	-62.57	-60.72	0.00	-1.85	-13.00	-49.57
512.09	S	Peak	-64.44	-62.09	0.00	-2.35	-13.00	-51.44
626.55	S	Peak	-63.18	-60.69	0.00	-2.49	-13.00	-50.18
1673.20	H	Peak	-55.56	-58.47	7.20	-4.29	-13.00	-42.56
2509.80	H	Peak	-45.00	-48.50	8.76	-5.26	-13.00	-32.00

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

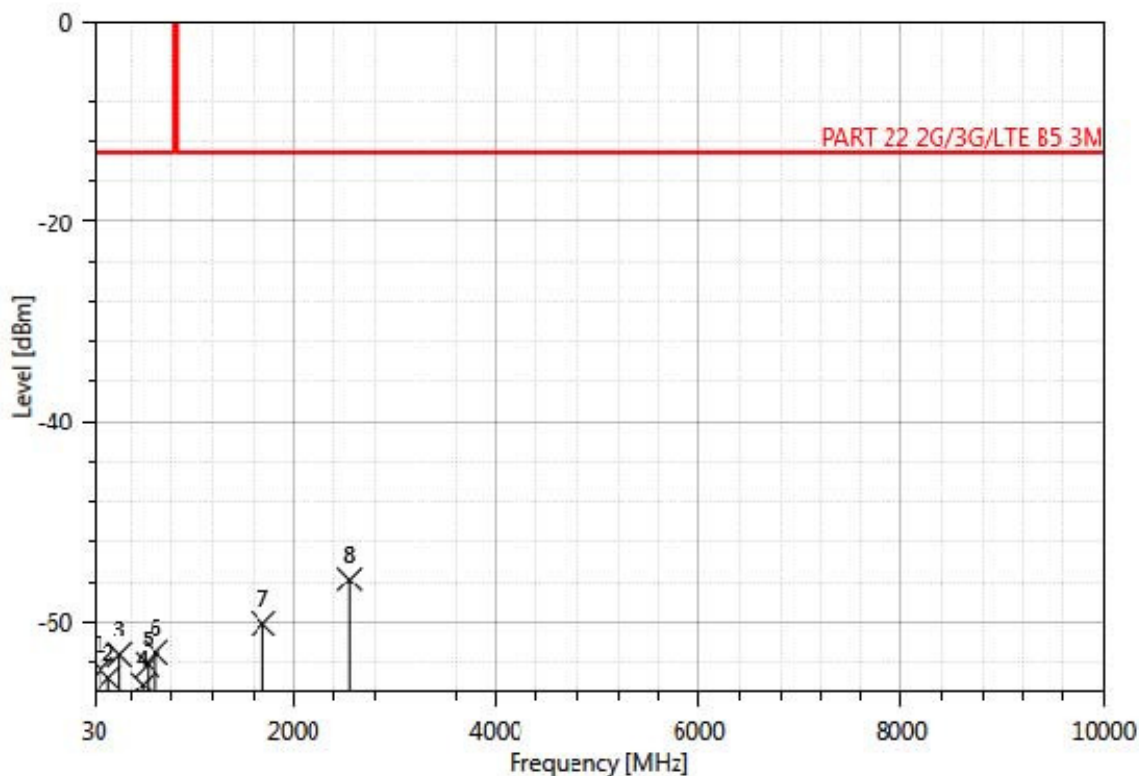
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	GSM 850	Test Date :	04/27/2016 16:10:34
Fundamental Frequency :	848.8 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
93.05	S	Peak	-64.82	-62.79	-0.81	-1.22	-13.00	-51.82
172.59	S	Peak	-65.63	-63.66	-0.44	-1.53	-13.00	-52.63
280.26	S	Peak	-63.37	-64.91	3.42	-1.88	-13.00	-50.37
507.24	S	Peak	-66.33	-67.81	3.82	-2.33	-13.00	-53.33
558.65	S	Peak	-64.31	-65.08	3.53	-2.76	-13.00	-51.31
639.16	S	Peak	-63.14	-63.87	3.16	-2.44	-13.00	-50.14
1697.60	H	Peak	-60.19	-63.17	7.28	-4.31	-13.00	-47.19
2546.40	H	Peak	-55.81	-59.29	8.81	-5.33	-13.00	-42.81

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

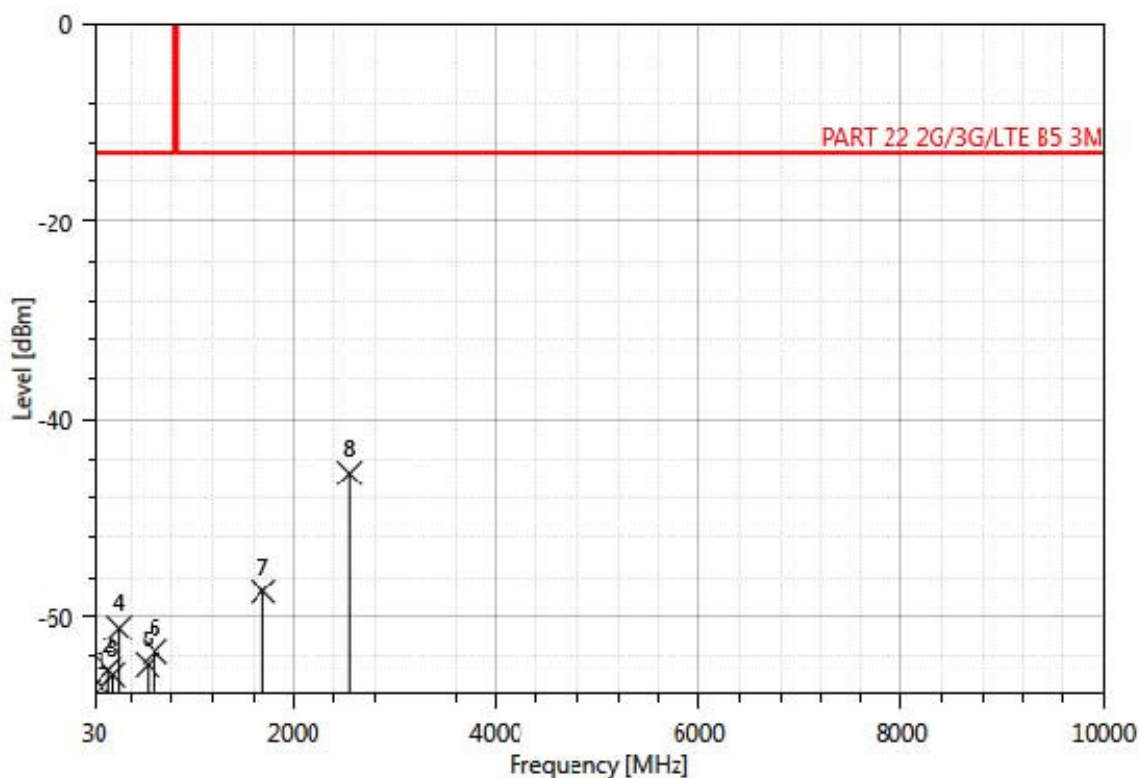
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	GSM 850	Test Date :	04/27/2016 16:10:41
Fundamental Frequency :	848.8 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
103.72	S	Peak	-67.04	-65.77	0.00	-1.26	-13.00	-54.04
173.56	S	Peak	-65.34	-63.81	0.00	-1.53	-13.00	-52.34
217.21	S	Peak	-65.81	-64.11	0.00	-1.69	-13.00	-52.81
279.29	S	Peak	-61.09	-59.22	0.00	-1.87	-13.00	-48.09
558.65	S	Peak	-64.83	-62.07	0.00	-2.76	-13.00	-51.83
629.46	S	Peak	-63.55	-61.08	0.00	-2.47	-13.00	-50.55
1697.60	H	Peak	-57.41	-60.38	7.28	-4.31	-13.00	-44.41
2546.40	H	Peak	-45.44	-48.92	8.81	-5.33	-13.00	-32.44

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

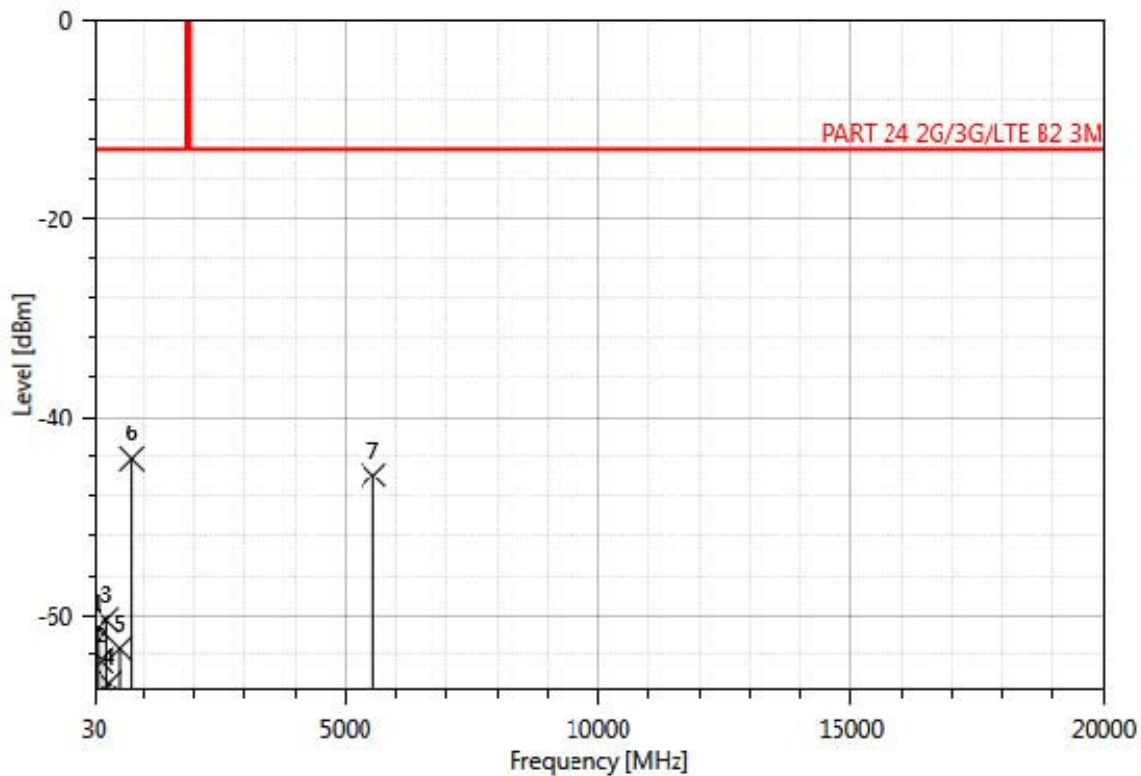
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: GPRS 1900 Mode

Operation Mode :	GPRS 1900	Test Date :	04/27/2016 16:25:02
Fundamental Frequency :	1850.2 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
97.90	S	Peak	-61.23	-60.75	0.77	-1.24	-13.00	-48.23
173.56	S	Peak	-64.57	-64.92	1.89	-1.53	-13.00	-51.57
280.26	S	Peak	-60.44	-64.14	5.57	-1.88	-13.00	-47.44
335.55	S	Peak	-66.79	-70.81	5.95	-1.93	-13.00	-53.79
542.16	S	Peak	-63.41	-66.57	5.78	-2.62	-13.00	-50.41
769.14	S	Peak	-44.21	-46.65	5.39	-2.96	-13.00	-31.21
5550.60	H	Peak	-45.89	-50.55	12.90	-8.24	-13.00	-32.89

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

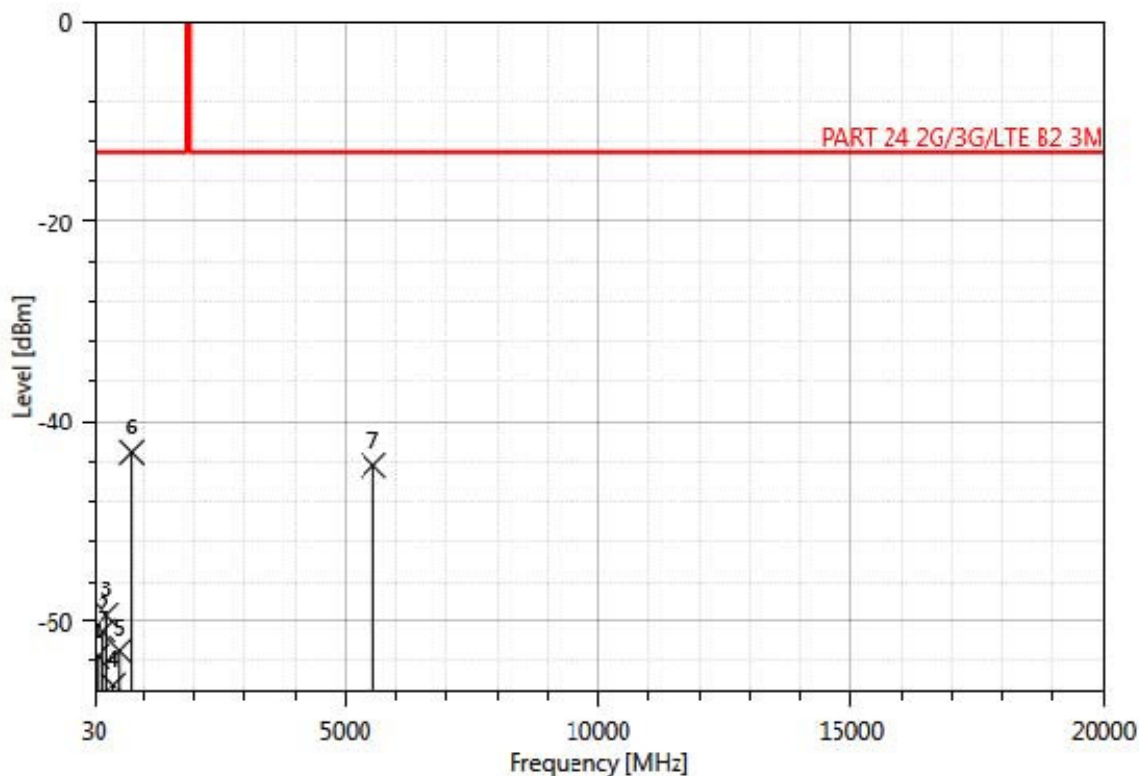
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	GPRS 1900	Test Date :	04/27/2016 16:25:16
Fundamental Frequency :	1850.2 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
99.84	S	Peak	-63.56	-62.86	0.55	-1.25	-13.00	-50.56
212.36	S	Peak	-60.98	-64.93	5.63	-1.68	-13.00	-47.98
279.29	S	Peak	-59.42	-63.12	5.58	-1.87	-13.00	-46.42
411.21	S	Peak	-66.37	-69.91	5.93	-2.39	-13.00	-53.37
534.40	S	Peak	-63.03	-66.31	5.82	-2.54	-13.00	-50.03
769.14	S	Peak	-43.11	-45.55	5.39	-2.96	-13.00	-30.11
5550.60	H	Peak	-44.37	-49.03	12.90	-8.24	-13.00	-31.37

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

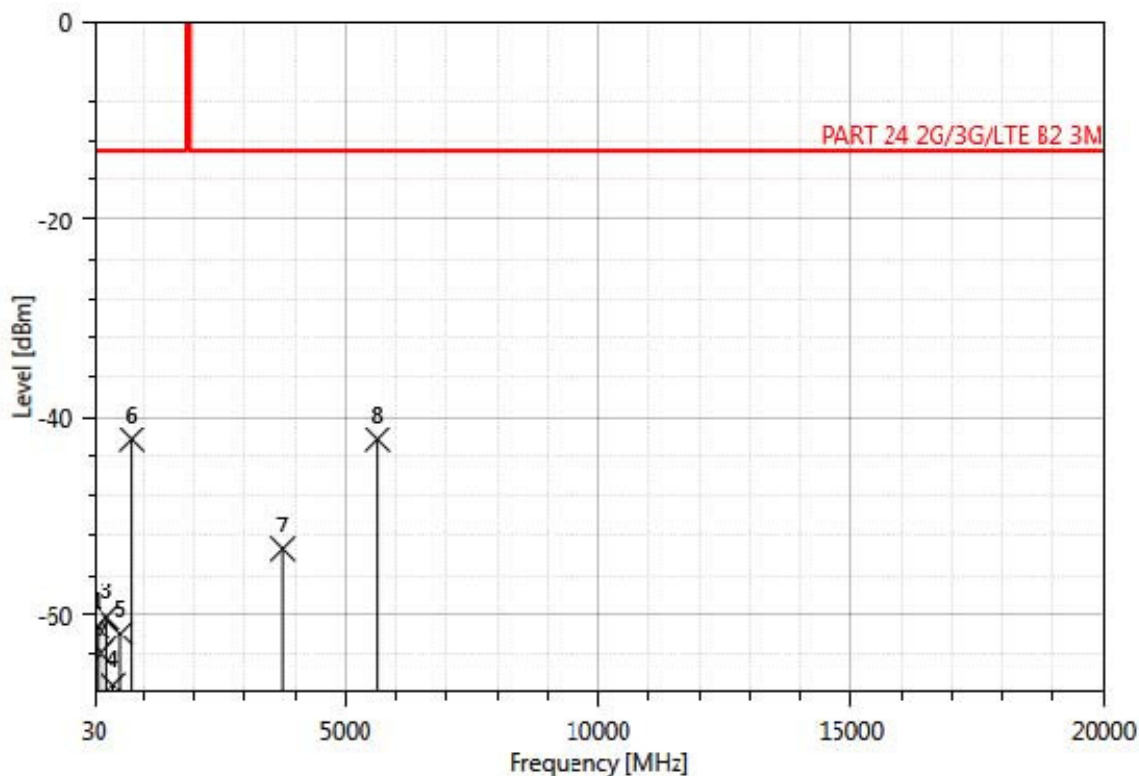
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	GPRS 1900	Test Date :	04/27/2016 16:25:29
Fundamental Frequency :	1880 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
95.96	S	Peak	-61.21	-60.97	0.99	-1.23	-13.00	-48.21
170.65	S	Peak	-63.92	-63.75	1.36	-1.52	-13.00	-50.92
280.26	S	Peak	-60.23	-63.93	5.57	-1.88	-13.00	-47.23
406.36	S	Peak	-67.08	-70.61	5.95	-2.42	-13.00	-54.08
546.04	S	Peak	-61.90	-64.99	5.76	-2.66	-13.00	-48.90
769.14	S	Peak	-42.30	-44.73	5.39	-2.96	-13.00	-29.30
3760.00	H	Peak	-53.38	-59.24	12.45	-6.60	-13.00	-40.38
5640.00	H	Peak	-42.31	-46.84	12.90	-8.36	-13.00	-29.31

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

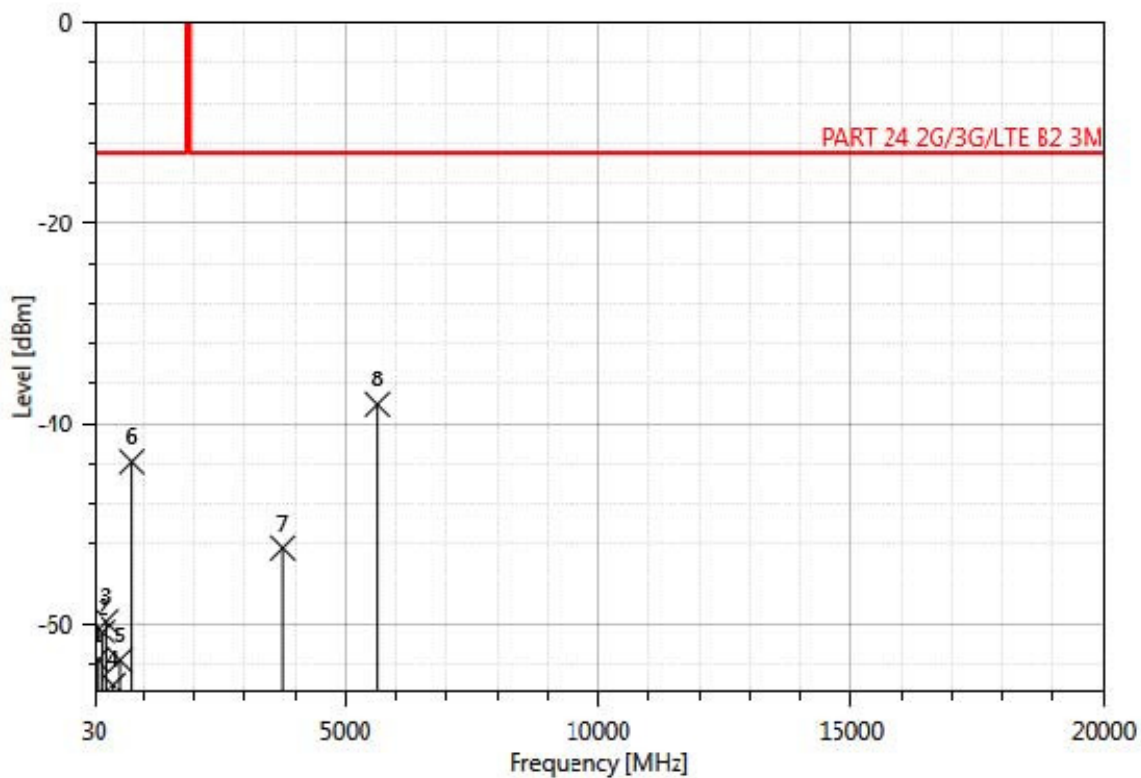
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	GPRS 1900	Test Date :	04/27/2016 16:25:43
Fundamental Frequency :	1880 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
99.84	S	Peak	-63.58	-62.88	0.55	-1.25	-13.00	-50.58
211.39	S	Peak	-60.78	-64.75	5.65	-1.68	-13.00	-47.78
279.29	S	Peak	-59.75	-63.46	5.58	-1.87	-13.00	-46.75
413.15	S	Peak	-66.05	-69.59	5.92	-2.38	-13.00	-53.05
546.04	S	Peak	-63.63	-66.73	5.76	-2.66	-13.00	-50.63
769.14	S	Peak	-43.82	-46.25	5.39	-2.96	-13.00	-30.82
3760.00	H	Peak	-52.49	-58.34	12.45	-6.60	-13.00	-39.49
5640.00	H	Peak	-38.10	-42.64	12.90	-8.36	-13.00	-25.10

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

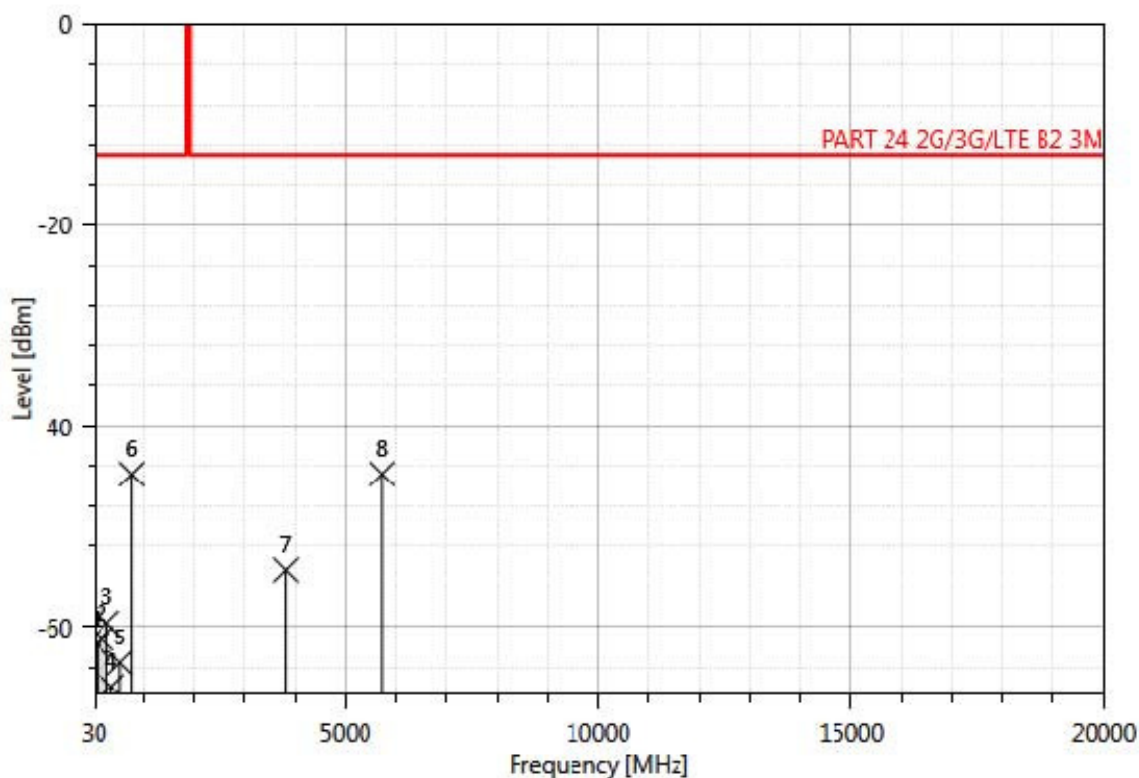
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	GPRS 1900	Test Date :	04/27/2016 16:25:57
Fundamental Frequency :	1909.8 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
91.11	S	Peak	-61.77	-62.14	1.58	-1.21	-13.00	-48.77
172.59	S	Peak	-61.13	-61.31	1.71	-1.53	-13.00	-48.13
280.26	S	Peak	-59.60	-63.29	5.57	-1.88	-13.00	-46.60
372.41	S	Peak	-65.92	-69.70	5.99	-2.21	-13.00	-52.92
541.19	S	Peak	-63.55	-66.72	5.78	-2.61	-13.00	-50.55
769.14	S	Peak	-44.79	-47.22	5.39	-2.96	-13.00	-31.79
3819.60	H	Peak	-54.29	-60.10	12.47	-6.65	-13.00	-41.29
5729.40	H	Peak	-44.77	-49.28	12.90	-8.39	-13.00	-31.77

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

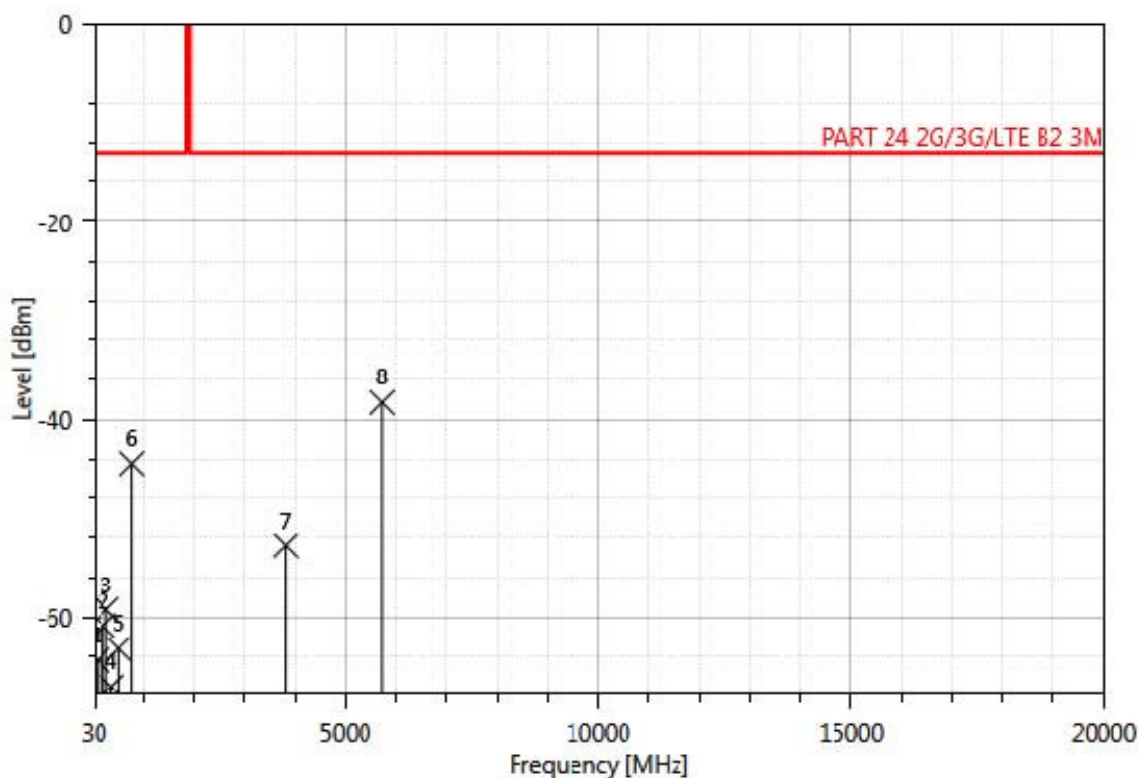
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	GPRS 1900	Test Date :	04/27/2016 16:26:11
Fundamental Frequency :	1909.8 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
97.90	S	Peak	-64.32	-63.85	0.77	-1.24	-13.00	-51.32
212.36	S	Peak	-60.87	-64.82	5.63	-1.68	-13.00	-47.87
272.50	S	Peak	-59.22	-63.02	5.64	-1.84	-13.00	-46.22
372.41	S	Peak	-67.00	-70.78	5.99	-2.21	-13.00	-54.00
516.94	S	Peak	-63.16	-66.71	5.91	-2.37	-13.00	-50.16
769.14	S	Peak	-44.45	-46.88	5.39	-2.96	-13.00	-31.45
3819.60	H	Peak	-52.78	-58.59	12.47	-6.65	-13.00	-39.78
5729.40	H	Peak	-38.26	-42.76	12.90	-8.39	-13.00	-25.26

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

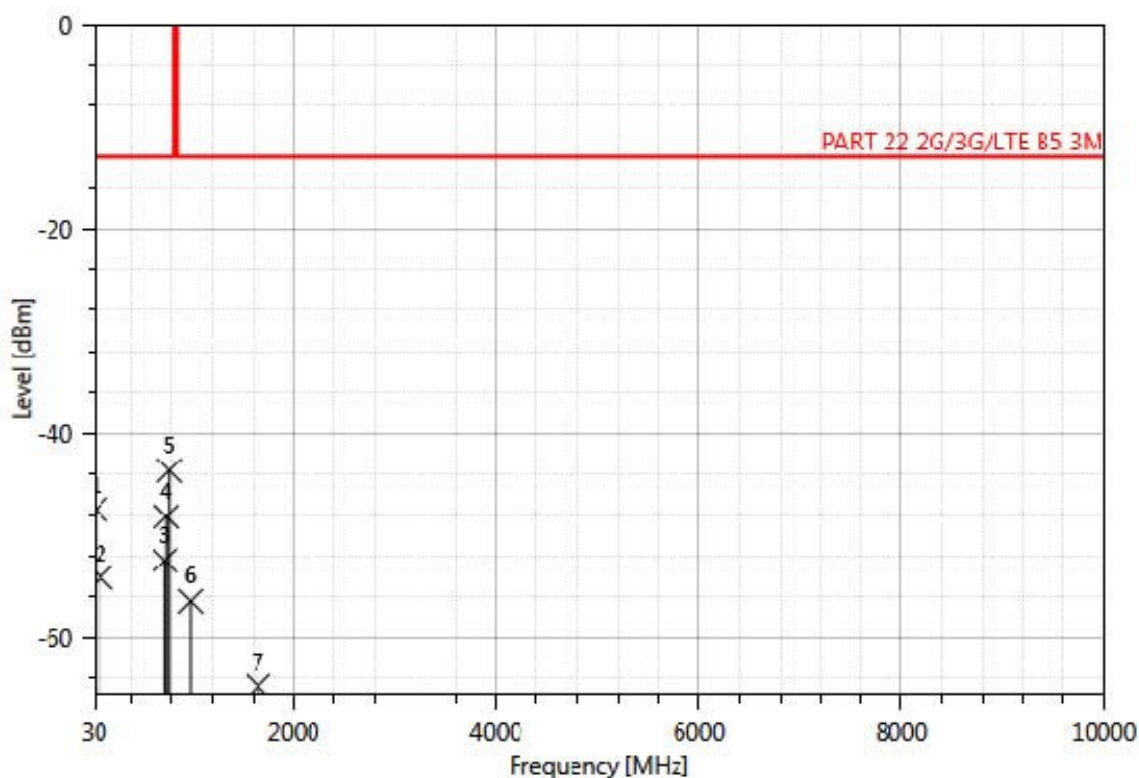
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: CDMA BC0 Mode

Operation Mode :	CDMA 850	Test Date :	01/10/2017
Fundamental Frequency :	824.7 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Mike
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	
41.64	S	Peak	-47.45	-35.77	-10.68	-1.00	-13.00	-34.45
94.99	S	Peak	-54.09	-53.97	1.11	-1.23	-13.00	-41.09
730.34	S	Peak	-52.42	-54.60	5.29	-3.11	-13.00	-39.42
745.86	S	Peak	-48.13	-50.35	5.32	-3.10	-13.00	-35.13
774.96	S	Peak	-43.63	-46.12	5.41	-2.92	-13.00	-30.63
978.66	S	Peak	-56.39	-58.97	5.77	-3.19	-13.00	-43.39
1649.40	H	Peak	-64.78	-67.67	7.11	-4.23	-13.00	-51.78

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

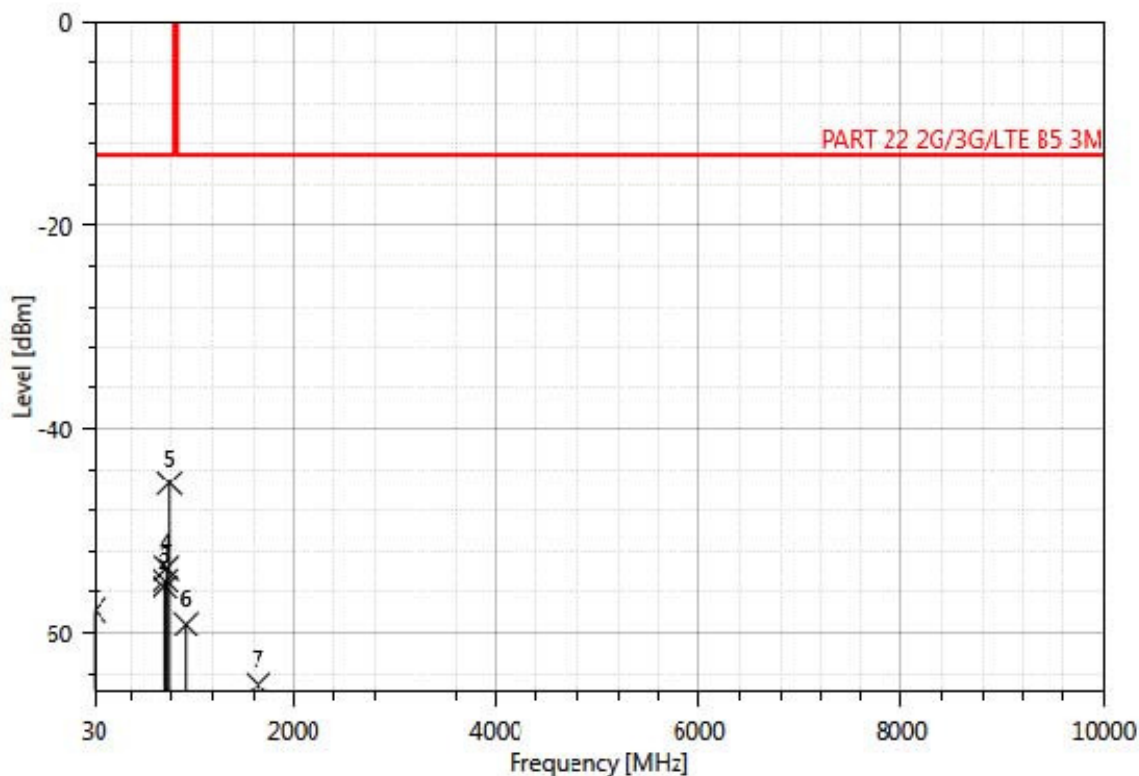
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	CDMA 850	Test Date :	01/10/2017
Fundamental Frequency :	824.7 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Mike
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
31.94	S	Peak	-57.79	-44.66	-12.16	-0.96	-13.00	-44.79
728.40	S	Peak	-55.49	-57.68	5.29	-3.11	-13.00	-42.49
738.10	S	Peak	-54.90	-57.07	5.31	-3.13	-13.00	-41.90
747.80	S	Peak	-53.63	-55.87	5.33	-3.09	-13.00	-40.63
776.90	S	Peak	-45.31	-47.81	5.42	-2.91	-13.00	-32.31
934.04	S	Peak	-59.18	-61.21	5.26	-3.23	-13.00	-46.18
1649.40	H	Peak	-65.10	-67.99	7.11	-4.23	-13.00	-52.10

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

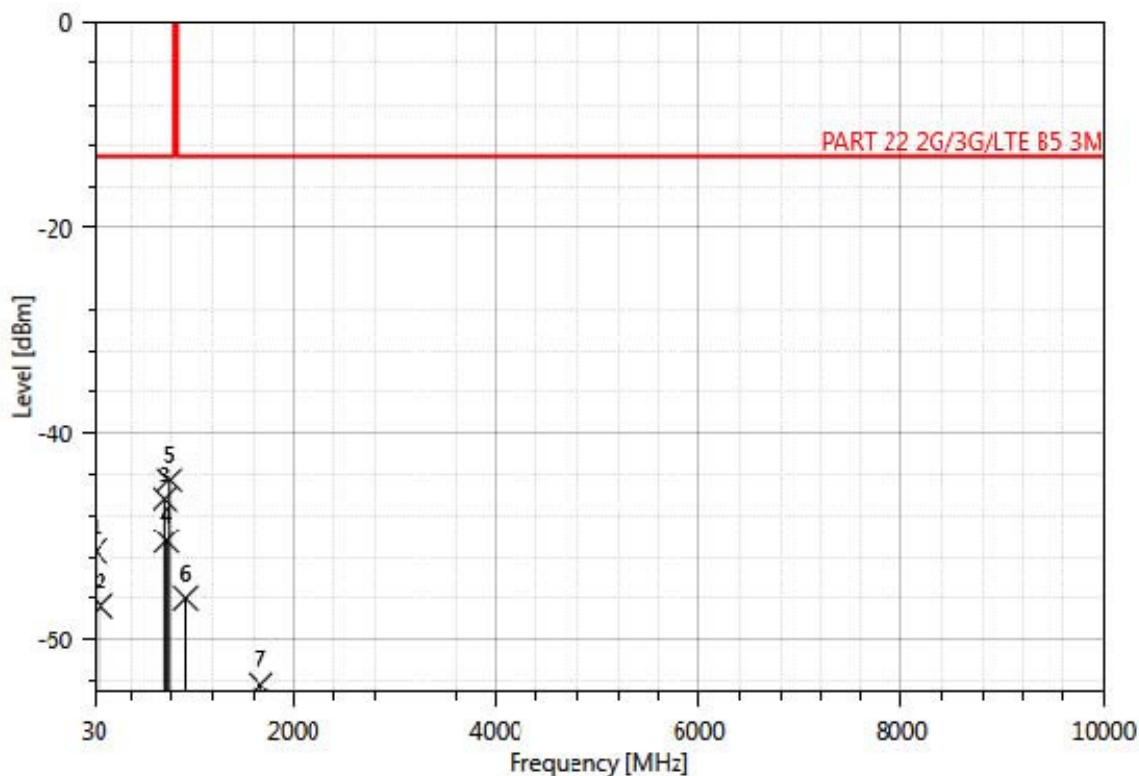
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	CDMA 850	Test Date :	01/10/2017
Fundamental Frequency :	836.52 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Mike
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	
41.64	S	Peak	-51.44	-39.76	-10.68	-1.00	-13.00	-38.44
94.99	S	Peak	-56.78	-56.66	1.11	-1.23	-13.00	-43.78
730.34	S	Peak	-46.41	-48.59	5.29	-3.11	-13.00	-33.41
747.80	S	Peak	-50.45	-52.68	5.33	-3.09	-13.00	-37.45
774.96	S	Peak	-44.53	-47.02	5.41	-2.92	-13.00	-31.53
930.16	S	Peak	-56.06	-58.09	5.27	-3.24	-13.00	-43.06
1673.04	H	Peak	-64.40	-67.31	7.20	-4.29	-13.00	-51.40

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

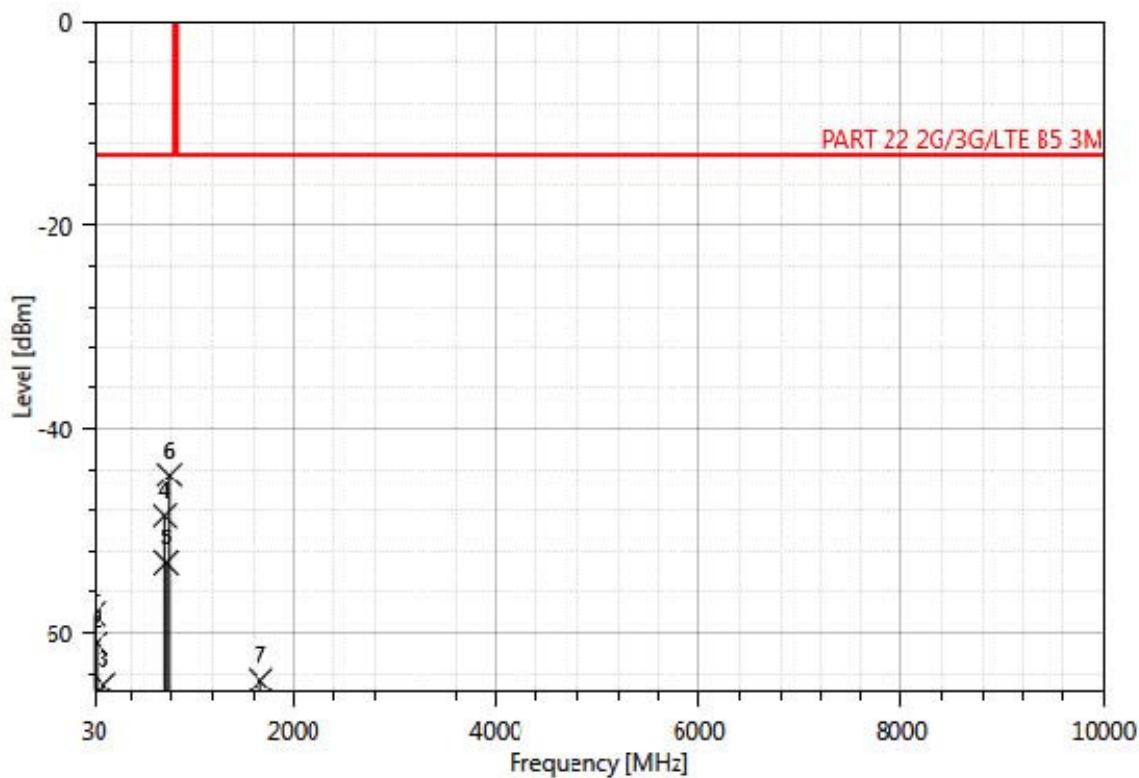
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	CDMA 850	Test Date :	01/10/2017
Fundamental Frequency :	836.52 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Mike
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
31.94	S	Peak	-58.13	-45.00	-12.16	-0.96	-13.00	-45.13
49.40	S	Peak	-61.03	-50.68	-9.31	-1.04	-13.00	-48.03
122.15	S	Peak	-65.07	-63.40	-0.33	-1.33	-13.00	-52.07
730.34	S	Peak	-48.46	-50.64	5.29	-3.11	-13.00	-35.46
745.86	S	Peak	-53.09	-55.31	5.32	-3.10	-13.00	-40.09
776.90	S	Peak	-44.50	-47.01	5.42	-2.91	-13.00	-31.50
1673.04	H	Peak	-64.65	-67.56	7.20	-4.29	-13.00	-51.65

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

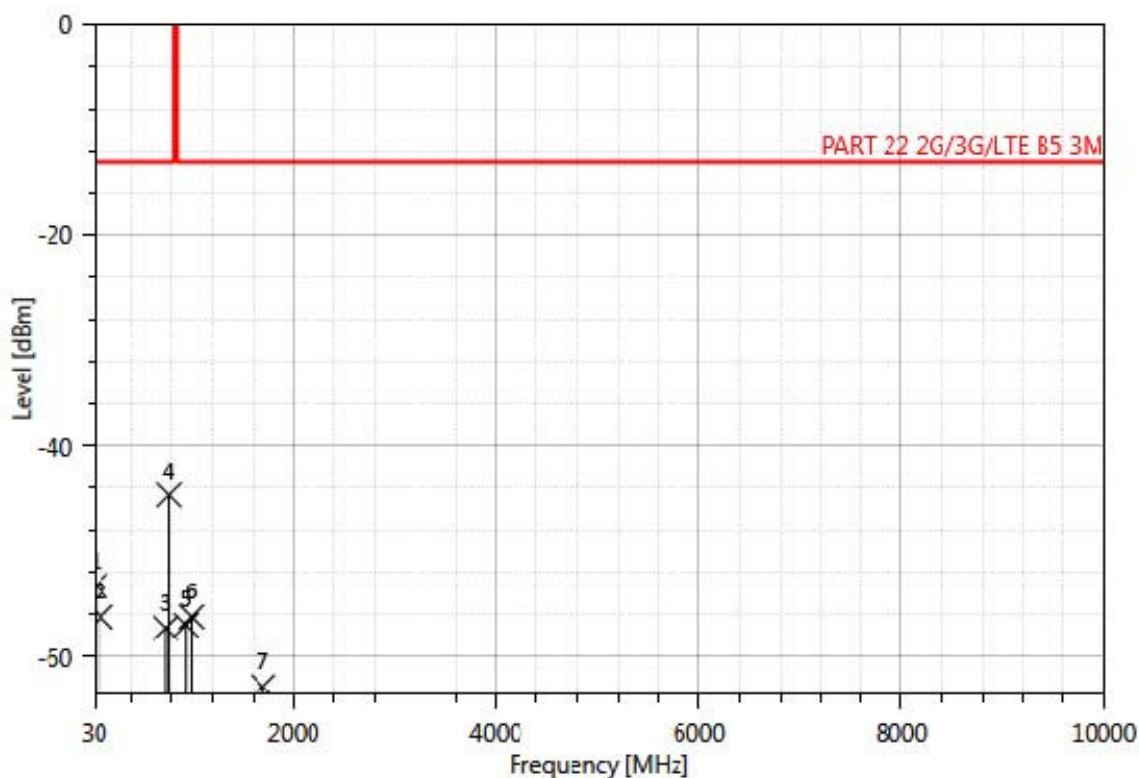
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	CDMA 850	Test Date :	01/10/2017
Fundamental Frequency :	848.31 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Mike
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	
41.64	S	Peak	-53.28	-41.59	-10.68	-1.00	-13.00	-40.28
94.99	S	Peak	-56.22	-56.10	1.11	-1.23	-13.00	-43.22
741.01	S	Peak	-57.26	-59.44	5.31	-3.13	-13.00	-44.26
772.05	S	Peak	-44.69	-47.15	5.40	-2.94	-13.00	-31.69
934.04	S	Peak	-56.99	-59.01	5.26	-3.23	-13.00	-43.99
988.36	S	Peak	-56.20	-58.93	5.97	-3.23	-13.00	-43.20
1696.62	H	Peak	-62.82	-65.79	7.28	-4.31	-13.00	-49.82

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

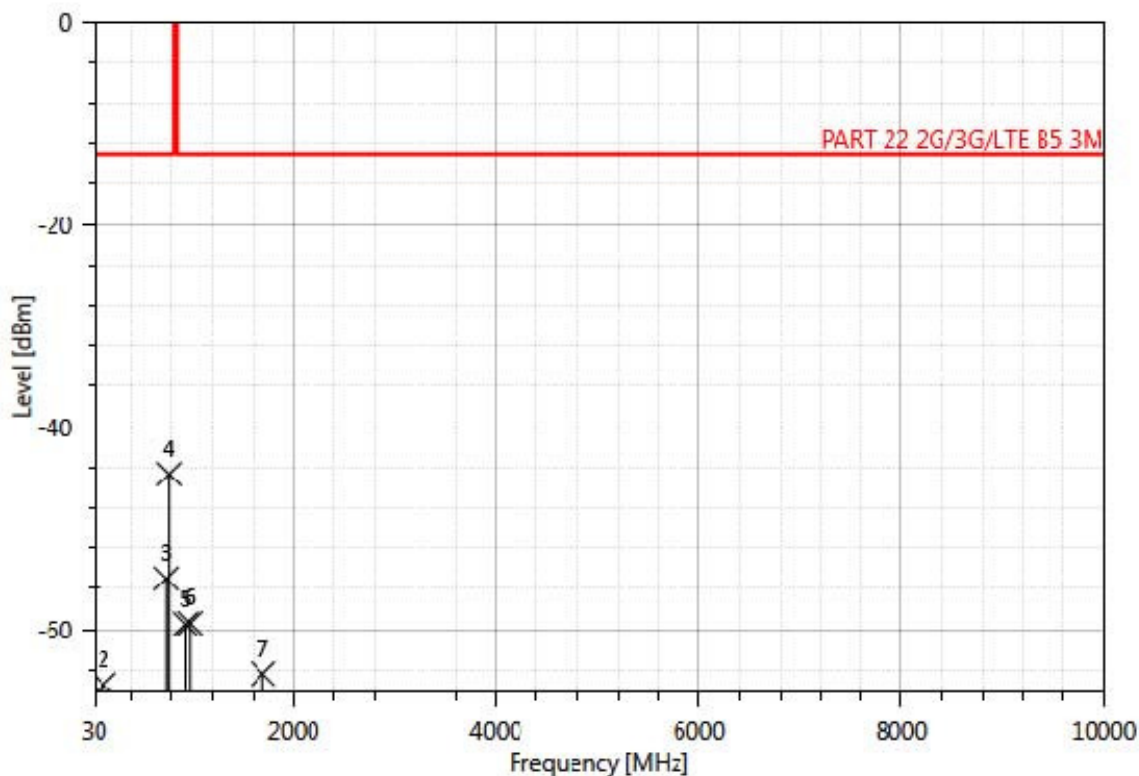
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	CDMA 850	Test Date :	01/10/2017
Fundamental Frequency :	848.31 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Mike
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	
30.00	S	Peak	-57.63	-44.04	-12.63	-0.96	-13.00	-44.63
122.15	S	Peak	-65.44	-63.78	-0.33	-1.33	-13.00	-52.44
745.86	S	Peak	-54.97	-57.19	5.32	-3.10	-13.00	-41.97
773.99	S	Peak	-44.65	-47.13	5.41	-2.93	-13.00	-31.65
930.16	S	Peak	-59.47	-61.50	5.27	-3.24	-13.00	-46.47
973.81	S	Peak	-59.38	-61.87	5.67	-3.18	-13.00	-46.38
1696.62	H	Peak	-64.36	-67.33	7.28	-4.31	-13.00	-51.36

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

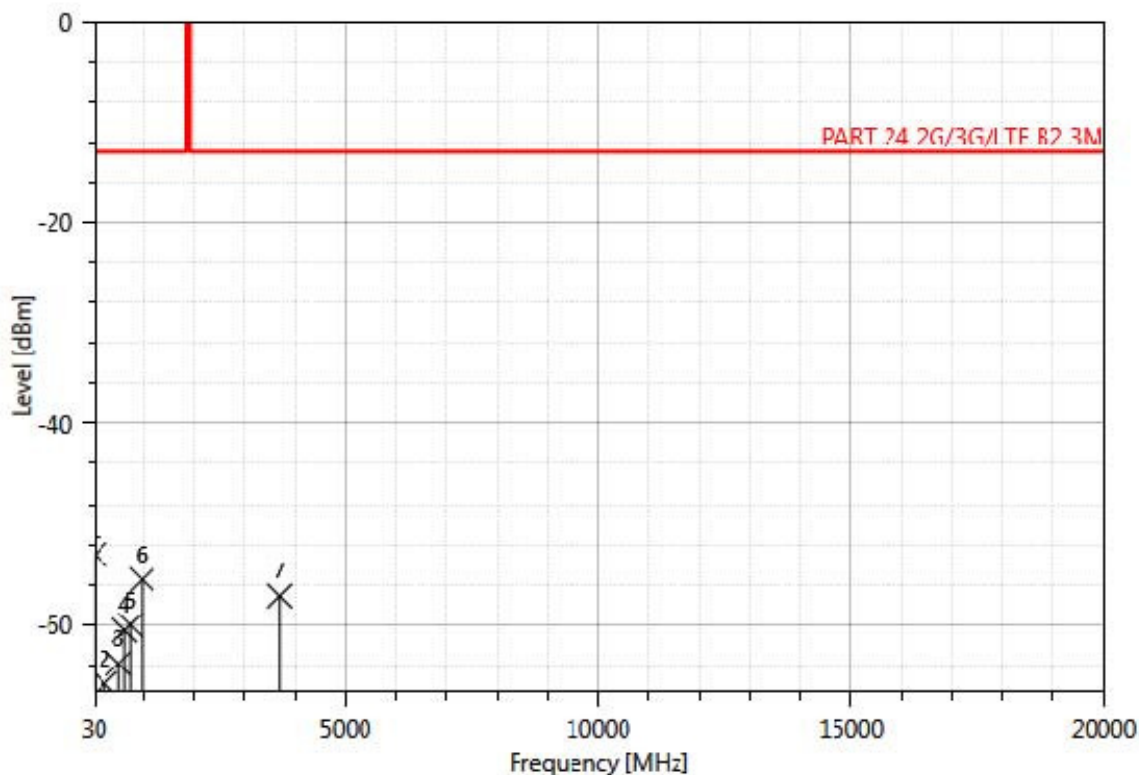
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: CDMA BC1 Mode

Operation Mode :	CDMA 1900	Test Date :	01/10/2017
Fundamental Frequency :	1851.25 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	dB
41.64	S	Peak	-52.99	11.89	-10.68	-1.00	-13.00	-39.99
238.55	S	Peak	-65.85	0.43	5.41	-1.74	-13.00	-52.85
513.06	S	Peak	-63.84	2.47	5.94	-2.35	-13.00	-50.84
629.46	S	Peak	-60.54	6.15	5.33	-2.47	-13.00	-47.54
744.89	S	Peak	-60.02	7.49	5.32	-3.11	-13.00	-47.02
972.84	S	Peak	-55.50	11.79	5.65	-3.17	-13.00	-42.50
3702.50	H	Peak	-57.11	-62.97	12.44	-6.58	-13.00	-44.11

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

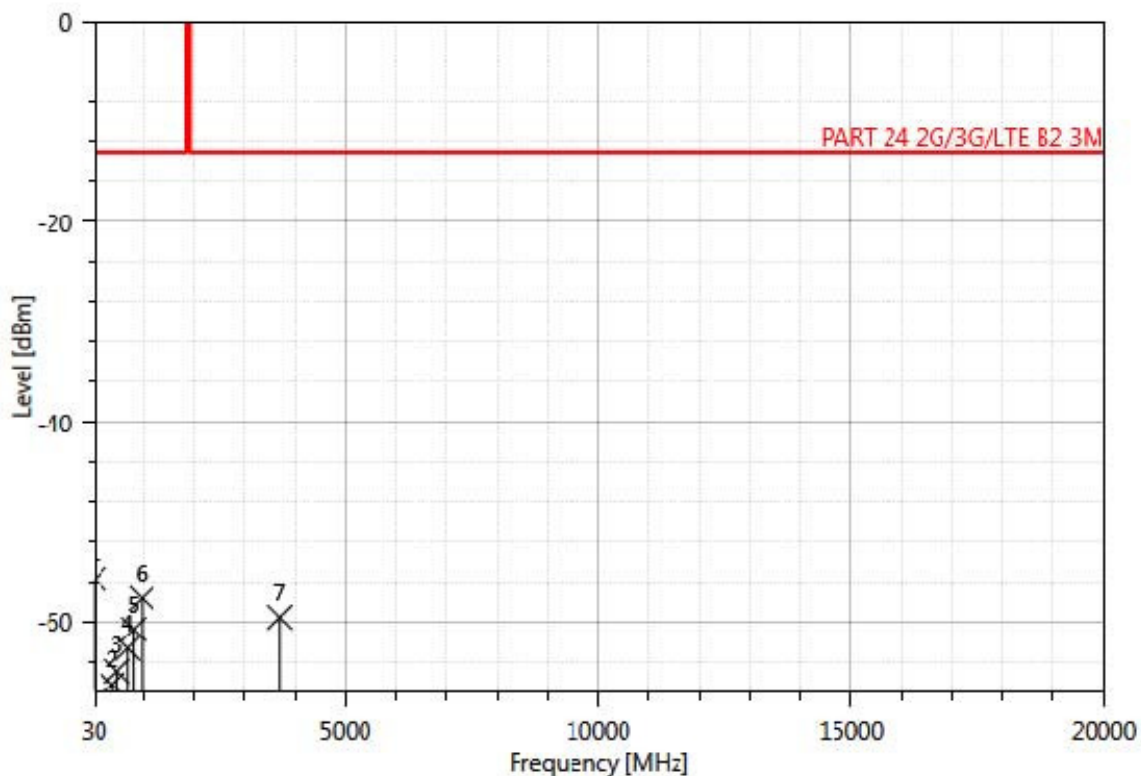
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	CDMA 1900	Test Date :	01/10/2017
Fundamental Frequency :	1851.25 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
31.94	S	Peak	-55.69	19.49	-12.16	-0.96	-13.00	-42.69
388.90	S	Peak	-66.26	-0.95	5.98	-2.31	-13.00	-53.26
481.05	S	Peak	-64.91	-0.05	5.93	-2.24	-13.00	-51.91
691.54	S	Peak	-62.63	4.77	5.24	-2.83	-13.00	-49.63
806.00	S	Peak	-60.73	7.08	5.48	-2.89	-13.00	-47.73
972.84	S	Peak	-57.66	10.34	5.65	-3.17	-13.00	-44.66
3702.50	H	Peak	-59.54	-65.40	12.44	-6.58	-13.00	-46.54

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

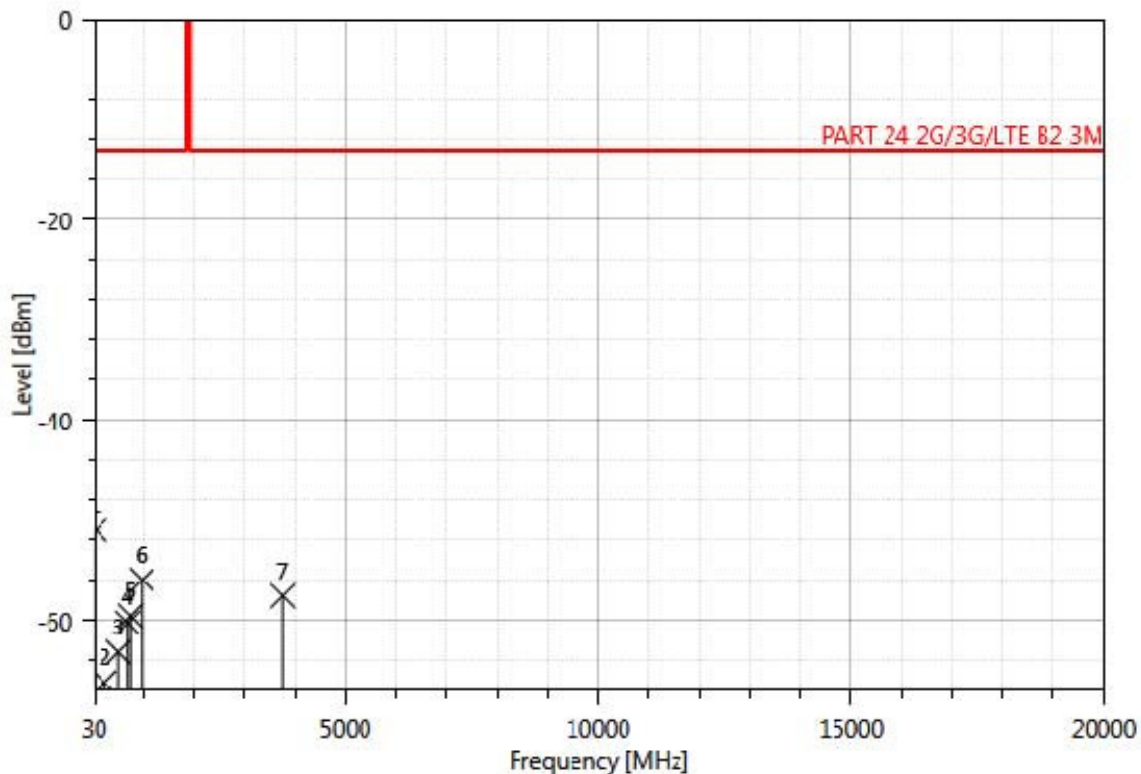
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	CDMA 1900	Test Date :	01/10/2017
Fundamental Frequency :	1880 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
42.61	S	Peak	-50.97	10.78	-10.54	-1.01	-13.00	-37.97
235.64	S	Peak	-66.23	0.91	5.36	-1.73	-13.00	-53.23
510.15	S	Peak	-63.20	1.89	5.95	-2.34	-13.00	-50.20
692.51	S	Peak	-60.26	7.01	5.24	-2.84	-13.00	-47.26
745.86	S	Peak	-59.57	7.54	5.32	-3.10	-13.00	-46.57
970.90	S	Peak	-55.97	11.54	5.62	-3.16	-13.00	-42.97
3760.00	H	Peak	-57.58	-63.44	12.45	-6.60	-13.00	-44.58

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

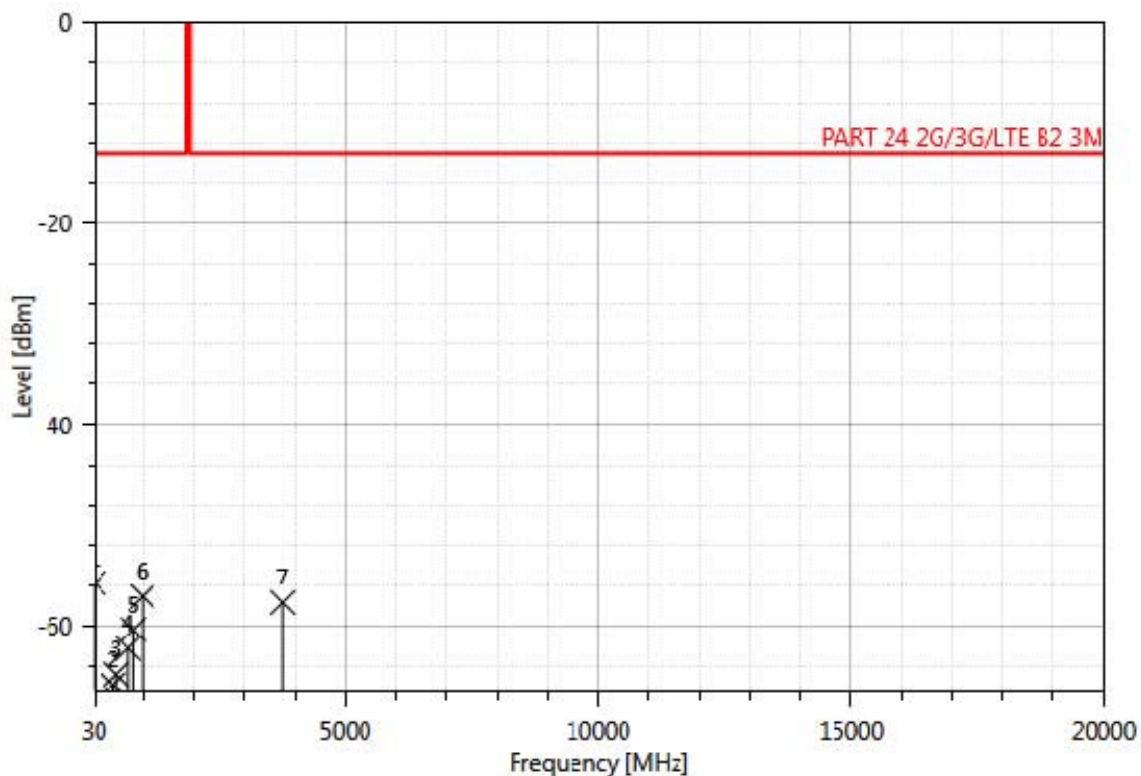
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	CDMA 1900	Test Date :	01/10/2017
Fundamental Frequency :	1880 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
31.94	S	Peak	-55.76	19.49	-12.16	-0.96	-13.00	-42.76
406.36	S	Peak	-65.83	-0.39	5.95	-2.42	-13.00	-52.83
469.41	S	Peak	-64.80	0.01	5.88	-2.22	-13.00	-51.80
697.36	S	Peak	-62.21	4.86	5.23	-2.93	-13.00	-49.21
798.24	S	Peak	-60.38	7.00	5.49	-2.90	-13.00	-47.38
983.51	S	Peak	-57.10	9.58	5.87	-3.21	-13.00	-44.10
3760.00	H	Peak	-57.72	-63.57	12.45	-6.60	-13.00	-44.72

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

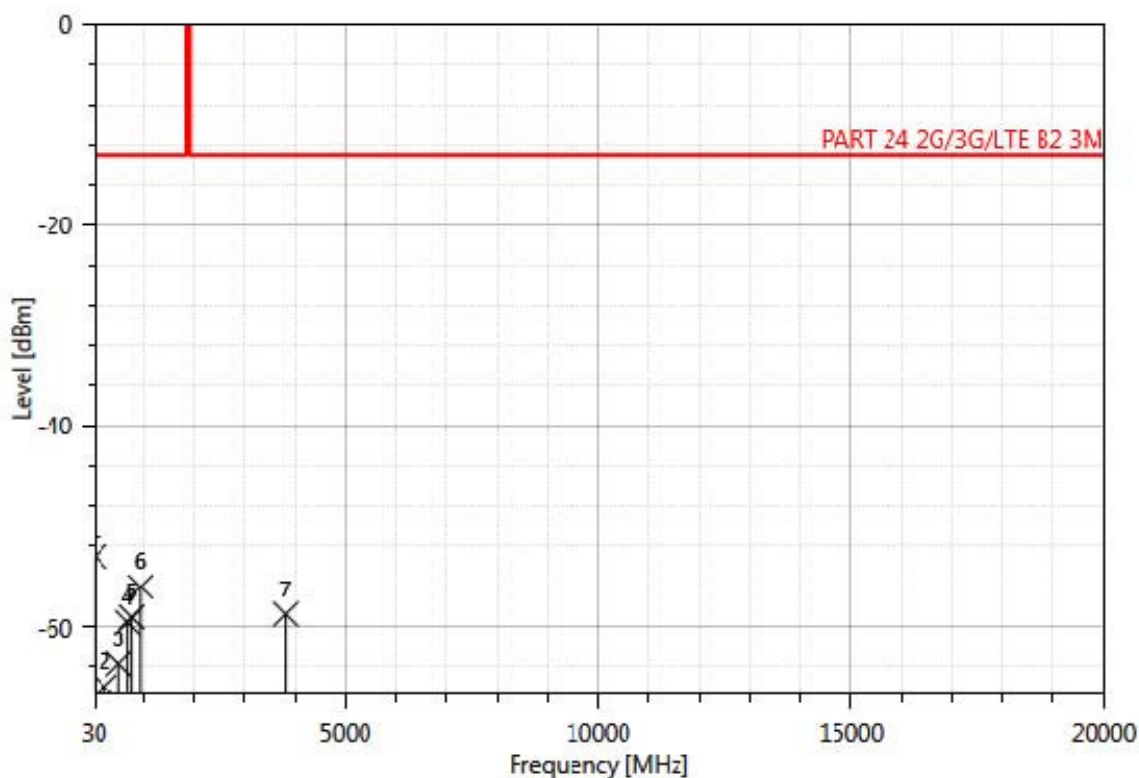
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	CDMA 1900	Test Date :	01/10/2017
Fundamental Frequency :	1908.75 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
41.64	S	Peak	-53.04	11.89	-10.68	-1.00	-13.00	-40.04
236.61	S	Peak	-65.98	0.77	5.38	-1.73	-13.00	-52.98
513.06	S	Peak	-63.71	2.47	5.94	-2.35	-13.00	-50.71
689.60	S	Peak	-59.56	7.26	5.24	-2.79	-13.00	-46.56
765.26	S	Peak	-59.03	7.57	5.38	-2.98	-13.00	-46.03
936.95	S	Peak	-56.04	11.25	5.24	-3.22	-13.00	-43.04
3817.50	H	Peak	-58.74	-64.56	12.47	-6.64	-13.00	-45.74

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

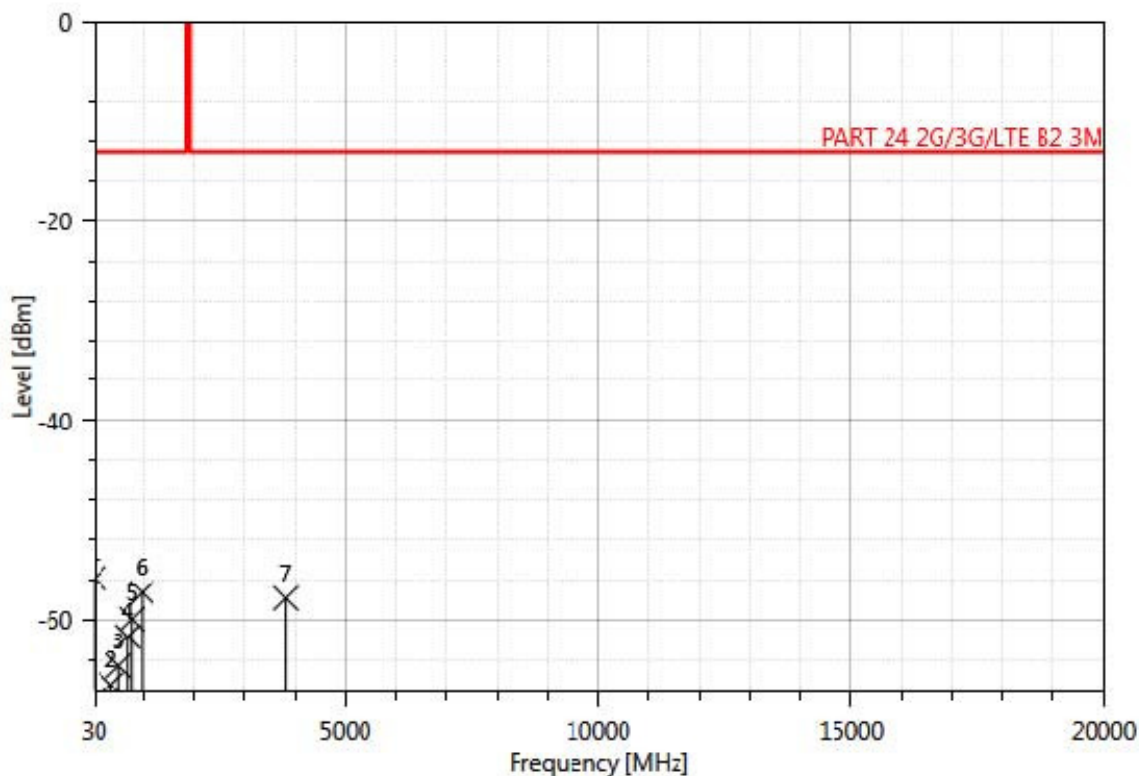
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	CDMA 1900	Test Date :	01/10/2017
Fundamental Frequency :	1908.75 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
31.94	S	Peak	-55.87	19.49	-12.16	-0.96	-13.00	-42.87
361.74	S	Peak	-66.54	-0.82	6.00	-2.14	-13.00	-53.54
513.06	S	Peak	-64.63	0.70	5.94	-2.35	-13.00	-51.63
692.51	S	Peak	-61.72	4.68	5.24	-2.84	-13.00	-48.72
773.99	S	Peak	-59.97	5.50	5.41	-2.93	-13.00	-46.97
973.81	S	Peak	-57.33	10.23	5.67	-3.18	-13.00	-44.33
3817.50	H	Peak	-57.89	-63.71	12.47	-6.64	-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 www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

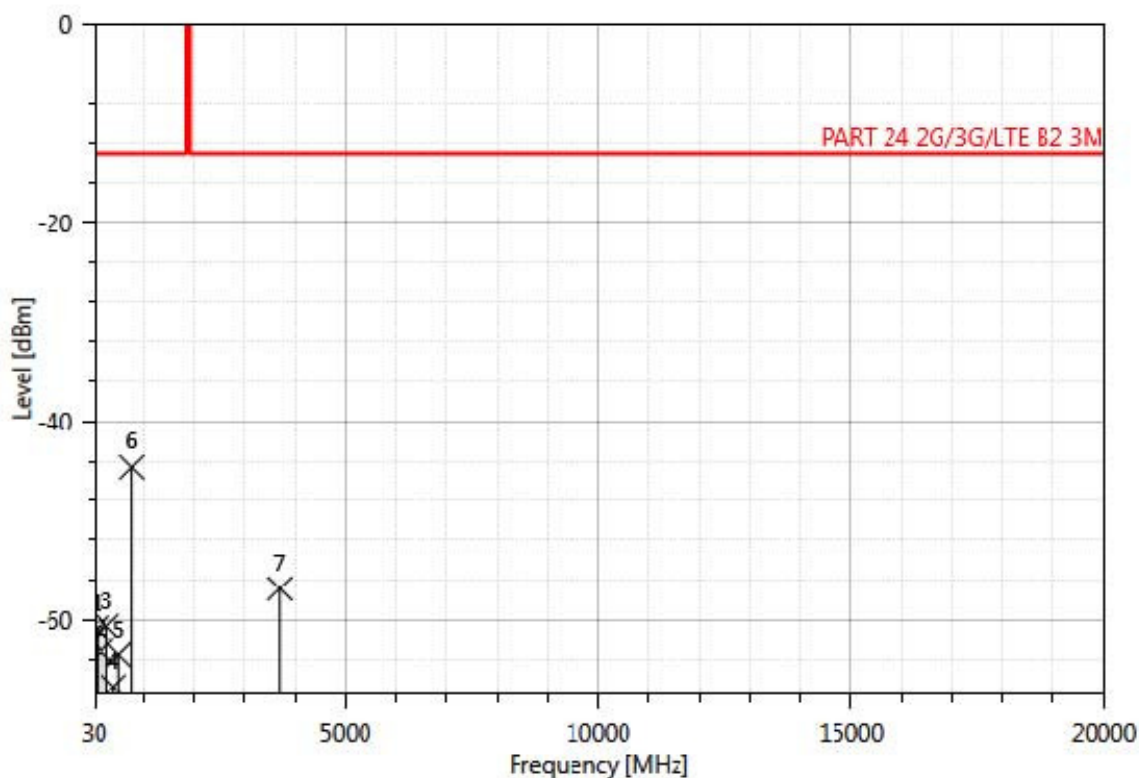
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: HSDPA II Mode

Operation Mode :	HSDPA B2	Test Date :	04/27/2016 16:26:25
Fundamental Frequency :	1852.4 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
91.11	S	Peak	-60.76	-61.12	1.58	-1.21	-13.00	-47.76
170.65	S	Peak	-63.19	-63.02	1.36	-1.52	-13.00	-50.19
279.29	S	Peak	-60.58	-64.29	5.58	-1.87	-13.00	-47.58
415.09	S	Peak	-66.70	-70.25	5.92	-2.37	-13.00	-53.70
515.00	S	Peak	-63.53	-67.09	5.92	-2.36	-13.00	-50.53
769.14	S	Peak	-44.56	-47.00	5.39	-2.96	-13.00	-31.56
3704.80	H	Peak	-56.83	-62.70	12.44	-6.58	-13.00	-43.83

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

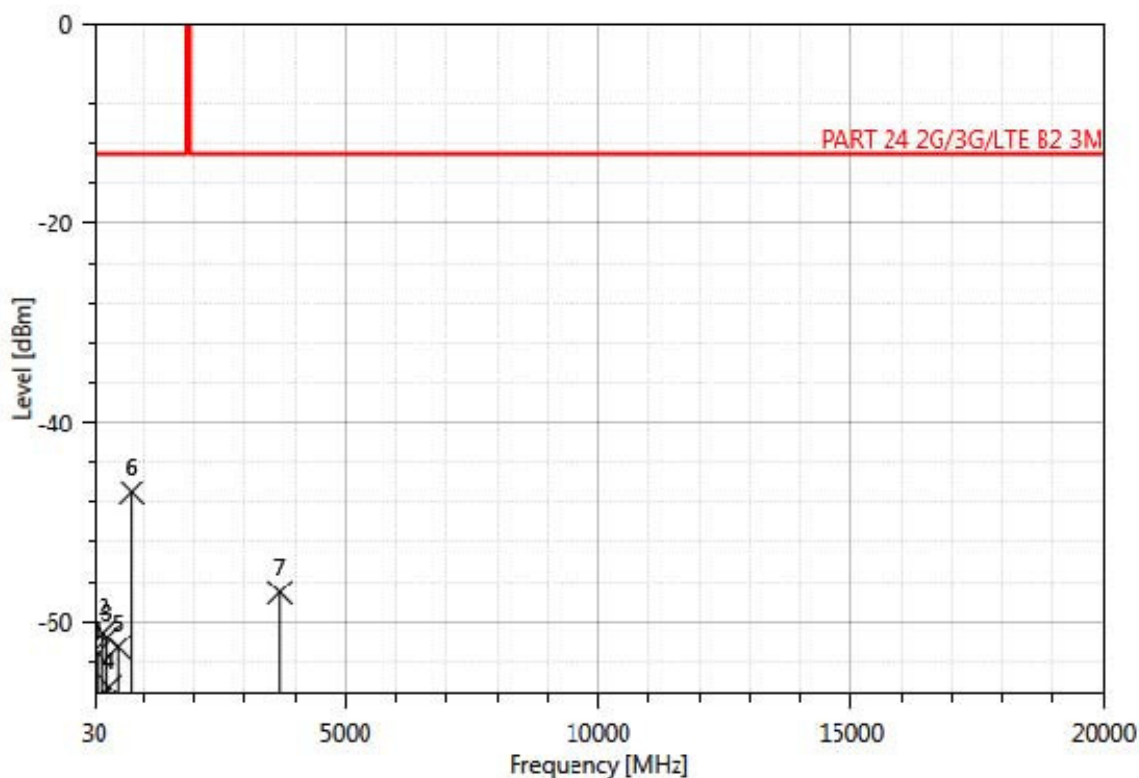
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	HSDPA B2	Test Date :	04/27/2016 16:26:38
Fundamental Frequency :	1852.4 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	dB
99.84	S	Peak	-63.22	-62.52	0.55	-1.25	-13.00	-50.22
219.15	S	Peak	-61.09	-64.88	5.49	-1.70	-13.00	-48.09
291.90	S	Peak	-61.57	-65.26	5.62	-1.93	-13.00	-48.57
335.55	S	Peak	-66.50	-70.51	5.95	-1.93	-13.00	-53.50
512.09	S	Peak	-62.55	-66.14	5.94	-2.35	-13.00	-49.55
769.14	S	Peak	-47.04	-49.47	5.39	-2.96	-13.00	-34.04
3704.80	H	Peak	-57.06	-62.92	12.44	-6.58	-13.00	-44.06

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

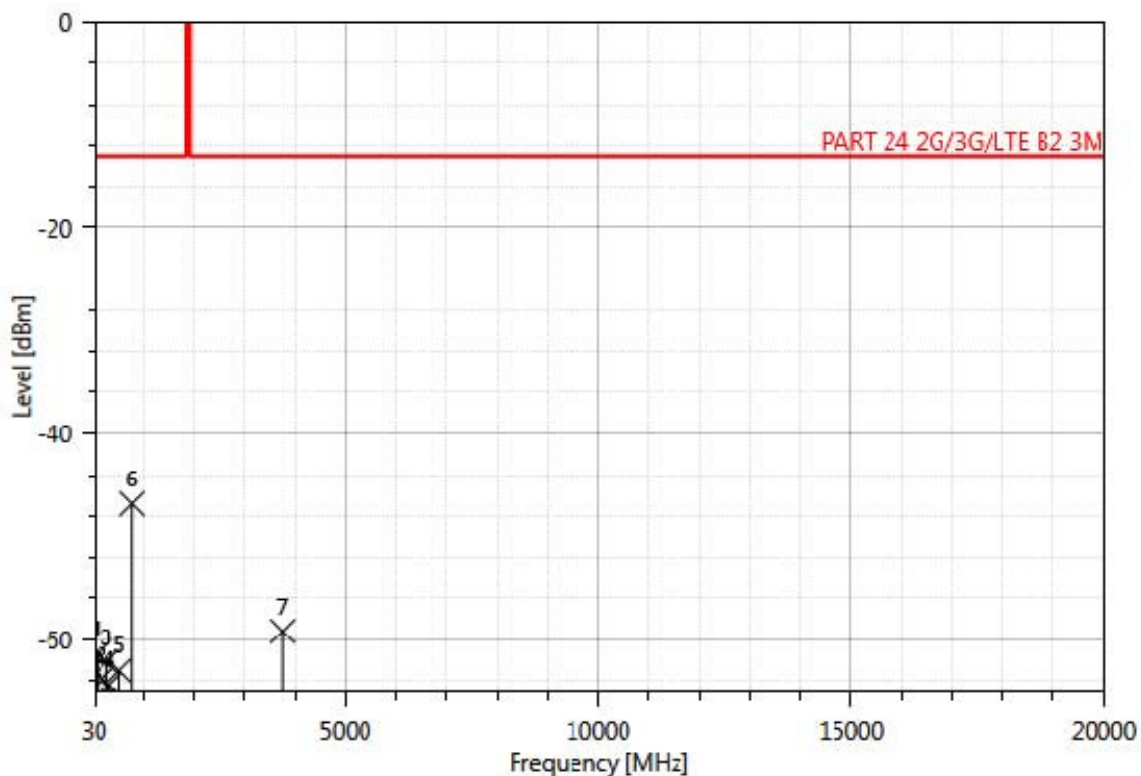
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	HSDPA B2	Test Date :	04/27/2016 16:26:52
Fundamental Frequency :	1880 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	dB
91.11	S	Peak	-61.50	-61.86	1.58	-1.21	-13.00	-48.50
173.56	S	Peak	-63.87	-64.23	1.89	-1.53	-13.00	-50.87
279.29	S	Peak	-62.13	-65.84	5.58	-1.87	-13.00	-49.13
330.70	S	Peak	-64.38	-68.39	5.92	-1.91	-13.00	-51.38
524.70	S	Peak	-62.99	-66.42	5.87	-2.44	-13.00	-49.99
773.99	S	Peak	-46.81	-49.29	5.41	-2.93	-13.00	-33.81
3760.00	H	Peak	-59.22	-65.07	12.45	-6.60	-13.00	-46.22

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

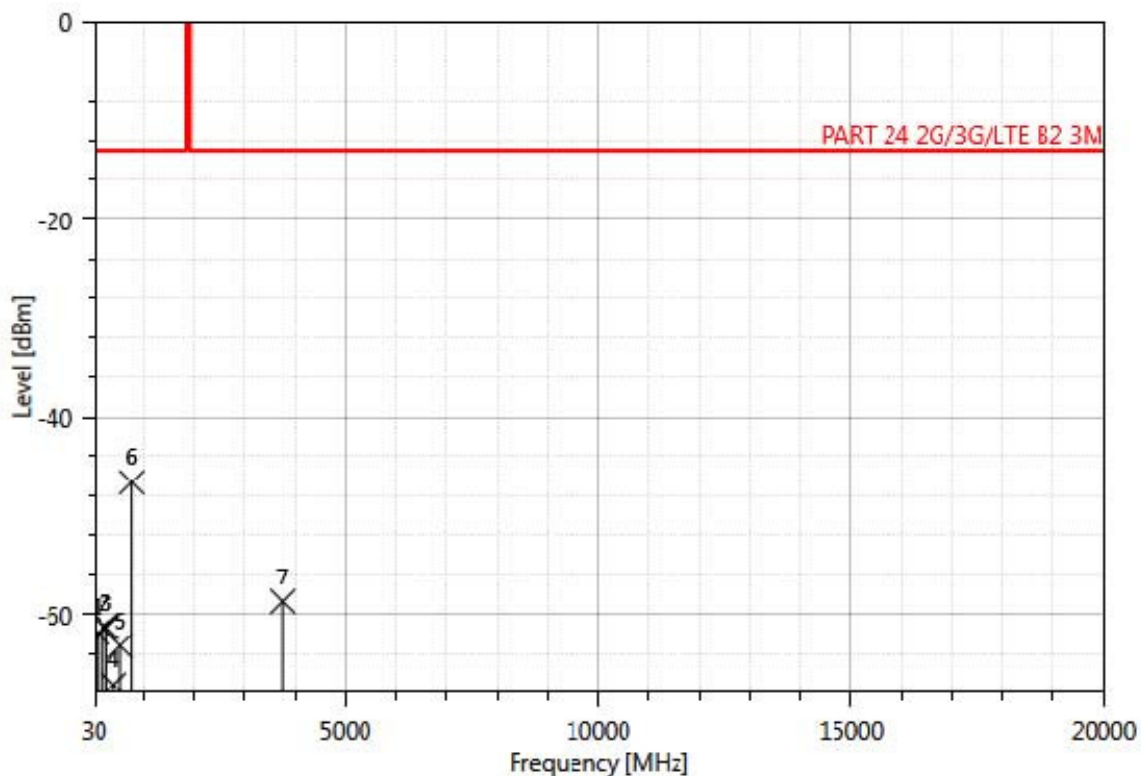
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	HSDPA B2	Test Date :	04/27/2016 16:27:05
Fundamental Frequency :	1880 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	dB
97.90	S	Peak	-61.86	-61.39	0.77	-1.24	-13.00	-48.86
219.15	S	Peak	-61.36	-65.16	5.49	-1.70	-13.00	-48.36
282.20	S	Peak	-61.34	-65.03	5.57	-1.89	-13.00	-48.34
418.00	S	Peak	-67.12	-70.68	5.91	-2.35	-13.00	-54.12
546.04	S	Peak	-63.20	-66.29	5.76	-2.66	-13.00	-50.20
769.14	S	Peak	-46.62	-49.06	5.39	-2.96	-13.00	-33.62
3760.00	H	Peak	-58.73	-64.58	12.45	-6.60	-13.00	-45.73

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

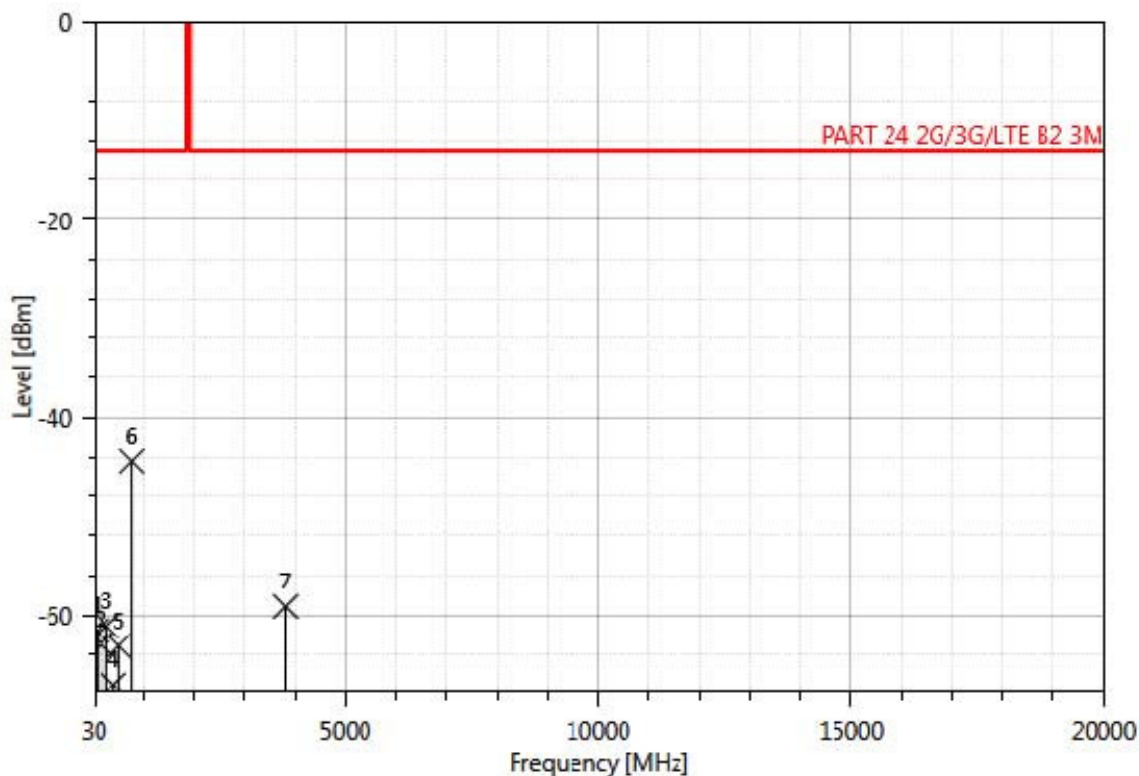
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	HSDPA B2	Test Date :	04/27/2016 16:27:19
Fundamental Frequency :	1907.6 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
91.11	S	Peak	-61.55	-61.92	1.58	-1.21	-13.00	-48.55
172.59	S	Peak	-62.91	-63.09	1.71	-1.53	-13.00	-49.91
280.26	S	Peak	-61.10	-64.80	5.57	-1.88	-13.00	-48.10
413.15	S	Peak	-67.01	-70.56	5.92	-2.38	-13.00	-54.01
516.94	S	Peak	-63.09	-66.64	5.91	-2.37	-13.00	-50.09
769.14	S	Peak	-44.40	-46.83	5.39	-2.96	-13.00	-31.40
3815.20	H	Peak	-59.14	-64.97	12.46	-6.63	-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 www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

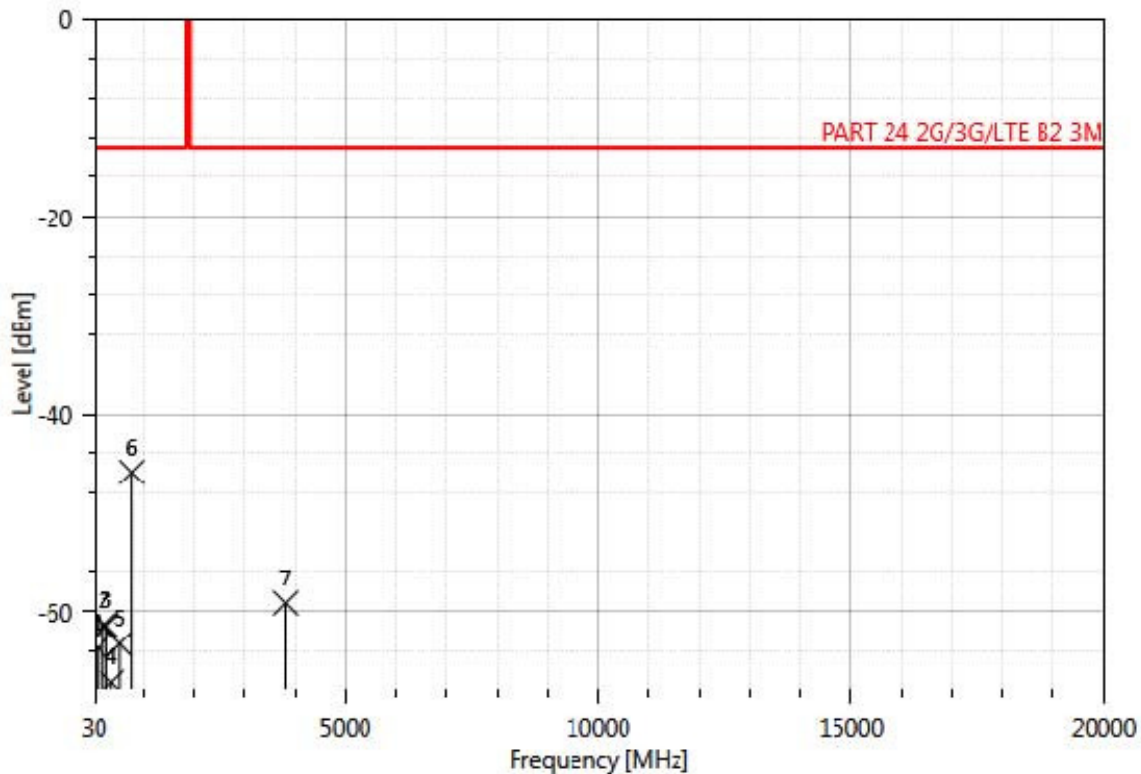
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

04/27/2016

Operation Mode :	HSDPA B2	Test Date :	16:27:33
Fundamental Frequency :	1907.6 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	dB
97.90	S	Peak	-63.70	-63.23	0.77	-1.24	-13.00	-50.70
216.24	S	Peak	-61.46	-65.32	5.55	-1.69	-13.00	-48.46
279.29	S	Peak	-61.48	-65.18	5.58	-1.87	-13.00	-48.48
376.29	S	Peak	-67.11	-70.86	5.99	-2.24	-13.00	-54.11
537.31	S	Peak	-63.28	-66.51	5.80	-2.57	-13.00	-50.28
769.14	S	Peak	-45.90	-48.33	5.39	-2.96	-13.00	-32.90
3815.20	H	Peak	-59.18	-65.01	12.46	-6.63	-13.00	-46.18

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

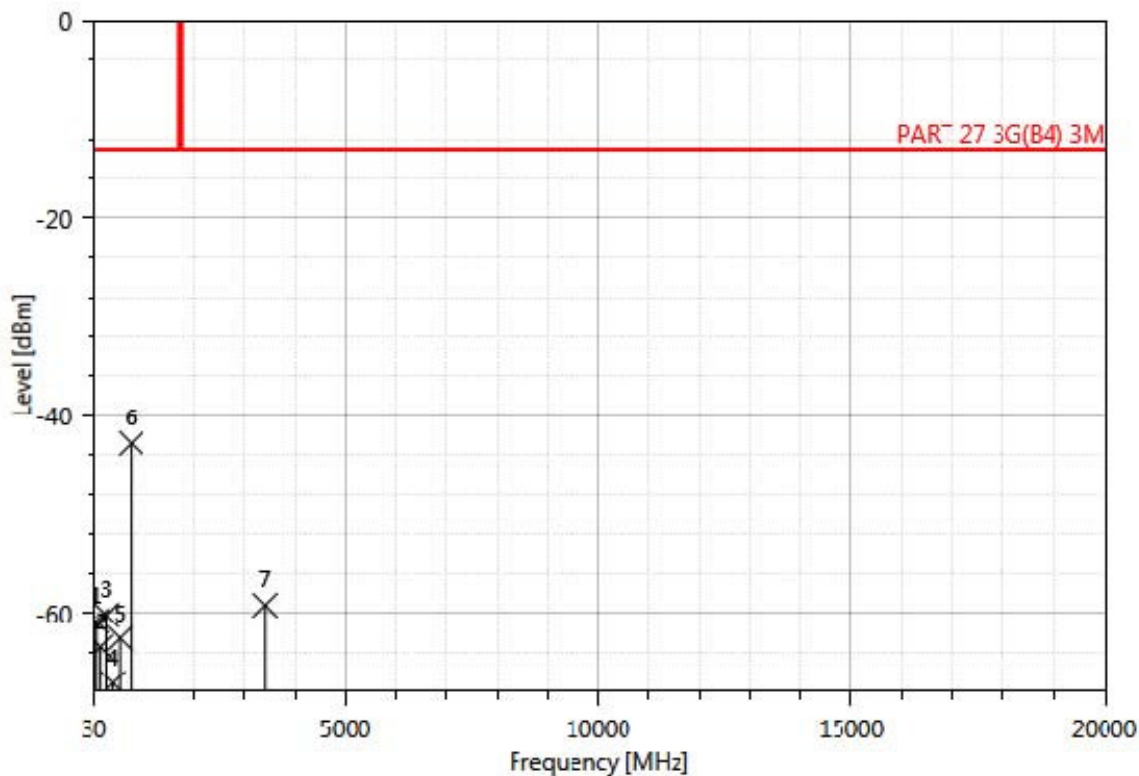
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: HSUPA IV Mode

Operation Mode :	HSUPA B4	Test Date :	04/27/2016 16:46:55
Fundamental Frequency :	1712.4 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
95.96	S	Peak	-60.80	-60.56	0.99	-1.23	-13.00	-47.80
173.56	S	Peak	-63.42	-63.78	1.89	-1.53	-13.00	-50.42
285.11	S	Peak	-60.20	-63.88	5.58	-1.90	-13.00	-47.20
410.24	S	Peak	-67.08	-70.61	5.93	-2.40	-13.00	-54.08
548.95	S	Peak	-62.54	-65.60	5.74	-2.69	-13.00	-49.54
769.14	S	Peak	-42.78	-45.21	5.39	-2.96	-13.00	-29.78
3424.80	H	Peak	-59.21	-65.25	12.27	-6.23	-13.00	-46.21

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

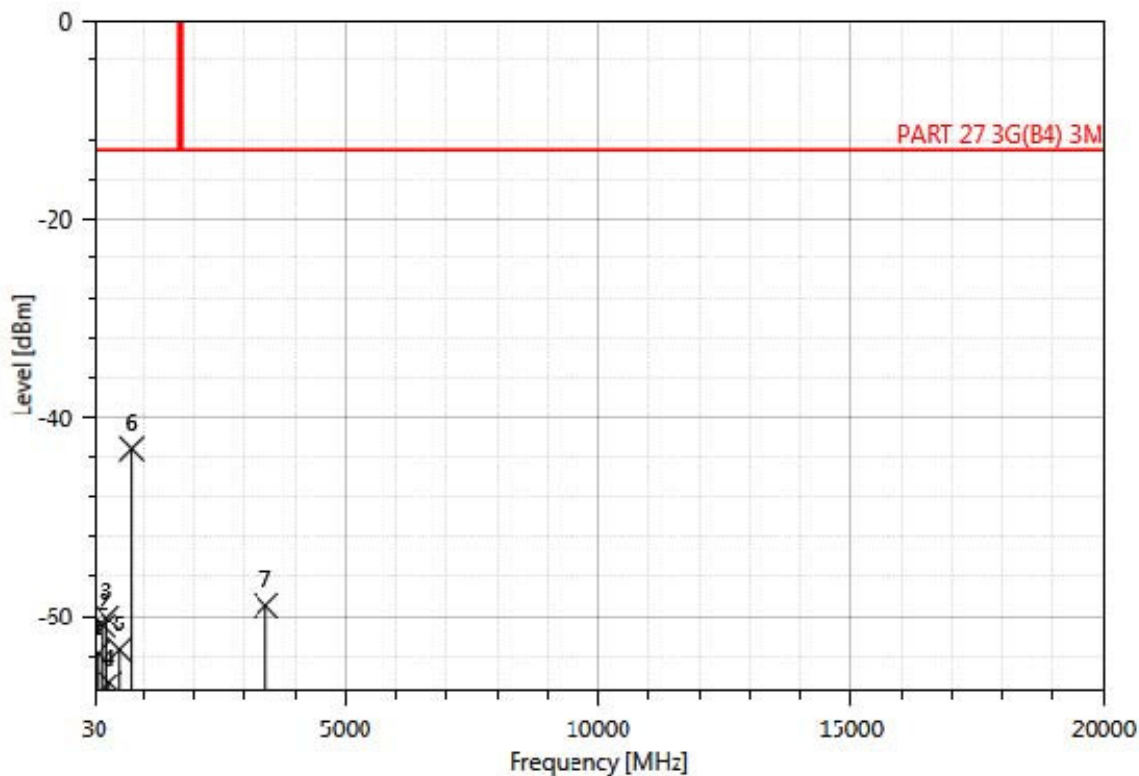
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	HSUPA B4	Test Date :	04/27/2016 16:47:09
Fundamental Frequency :	1712.4 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
99.84	S	Peak	-63.77	-63.07	0.55	-1.25	-13.00	-50.77
217.21	S	Peak	-60.99	-64.82	5.53	-1.69	-13.00	-47.99
280.26	S	Peak	-60.16	-63.86	5.57	-1.88	-13.00	-47.16
335.55	S	Peak	-66.76	-70.78	5.95	-1.93	-13.00	-53.76
532.46	S	Peak	-63.38	-66.69	5.83	-2.52	-13.00	-50.38
769.14	S	Peak	-43.12	-45.55	5.39	-2.96	-13.00	-30.12
3424.80	H	Peak	-58.93	-64.97	12.27	-6.23	-13.00	-45.93

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

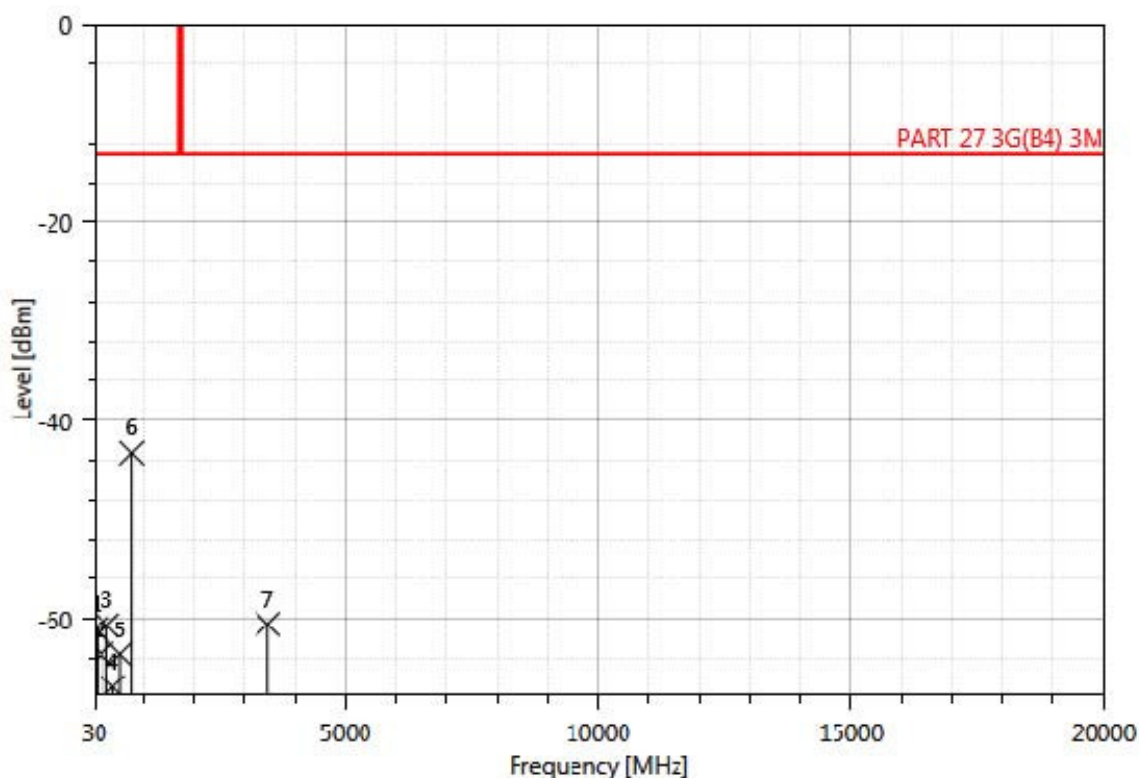
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	HSUPA B4	Test Date :	04/27/2016 16:47:22
Fundamental Frequency :	1732.6 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
81.41	S	Peak	-61.03	-59.52	-0.35	-1.17	-13.00	-48.03
172.59	S	Peak	-63.58	-63.77	1.71	-1.53	-13.00	-50.58
280.26	S	Peak	-60.68	-64.38	5.57	-1.88	-13.00	-47.68
400.54	S	Peak	-66.91	-70.49	5.97	-2.38	-13.00	-53.91
542.16	S	Peak	-63.58	-66.73	5.78	-2.62	-13.00	-50.58
769.14	S	Peak	-43.25	-45.69	5.39	-2.96	-13.00	-30.25
3465.20	H	Peak	-60.56	-66.65	12.34	-6.25	-13.00	-47.56

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

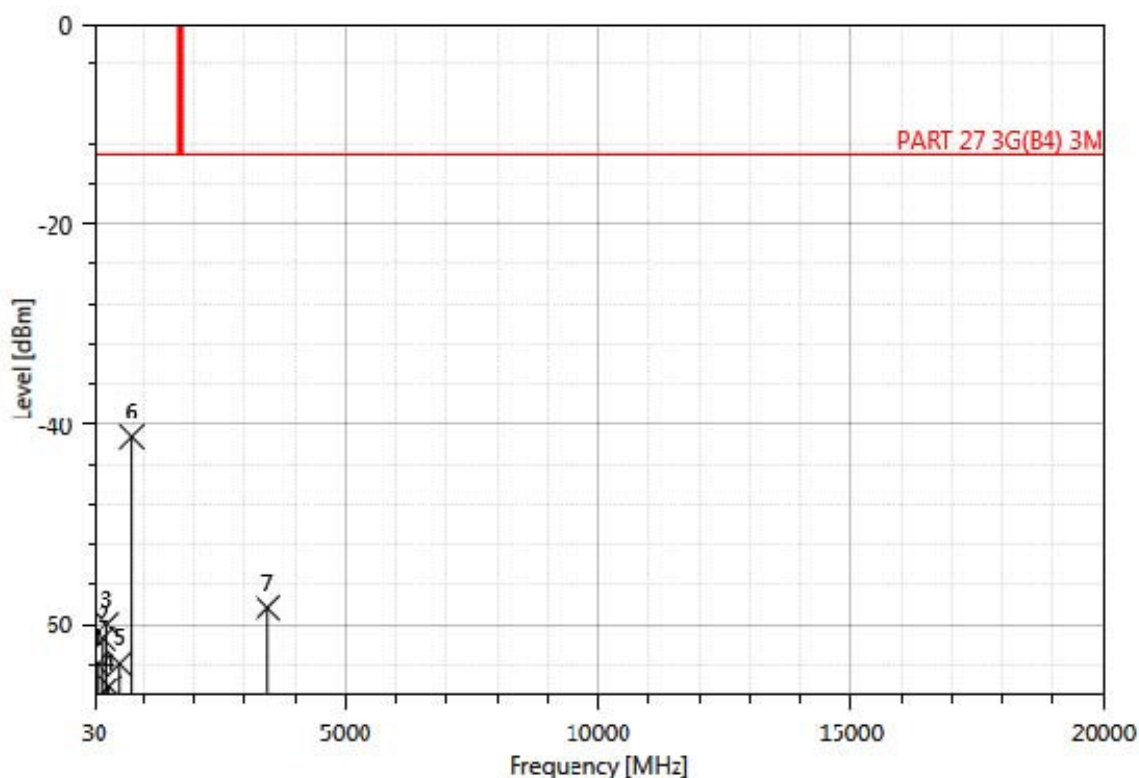
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	HSUPA B4	Test Date :	04/27/2016 16:47:36
Fundamental Frequency :	1732.6 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	dB
97.90	S	Peak	-63.91	-63.44	0.77	-1.24	-13.00	-50.91
217.21	S	Peak	-61.46	-65.29	5.53	-1.69	-13.00	-48.46
280.26	S	Peak	-59.99	-63.68	5.57	-1.88	-13.00	-46.99
332.64	S	Peak	-66.29	-70.31	5.93	-1.91	-13.00	-53.29
536.34	S	Peak	-63.93	-67.18	5.81	-2.56	-13.00	-50.93
769.14	S	Peak	-41.27	-43.71	5.39	-2.96	-13.00	-28.27
3465.20	H	Peak	-58.34	-64.44	12.34	-6.25	-13.00	-45.34

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

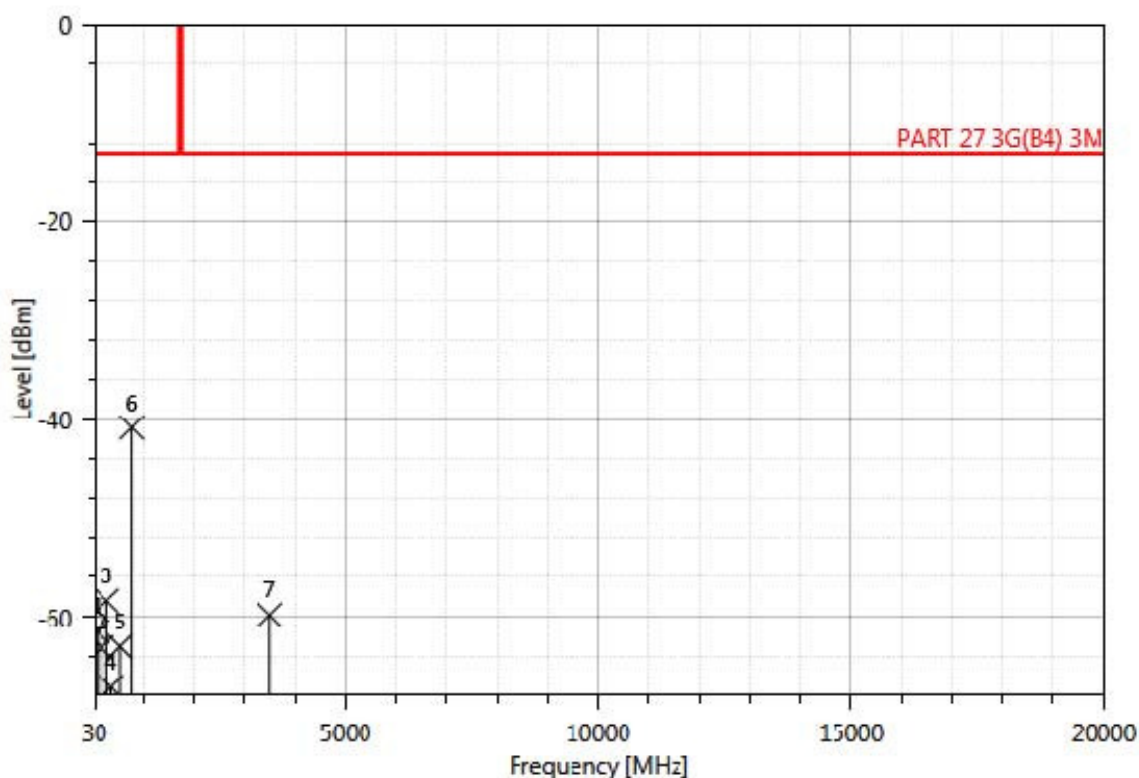
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	HSUPA B4	Test Date :	04/27/2016 16:47:50
Fundamental Frequency :	1752.6 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
95.96	S	Peak	-61.52	-61.28	0.99	-1.23	-13.00	-48.52
172.59	S	Peak	-63.13	-63.32	1.71	-1.53	-13.00	-50.13
279.29	S	Peak	-58.40	-62.11	5.58	-1.87	-13.00	-45.40
366.59	S	Peak	-67.13	-70.95	6.00	-2.17	-13.00	-54.13
542.16	S	Peak	-63.02	-66.18	5.78	-2.62	-13.00	-50.02
769.14	S	Peak	-40.83	-43.26	5.39	-2.96	-13.00	-27.83
3505.20	H	Peak	-59.82	-65.76	12.40	-6.47	-13.00	-46.82

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

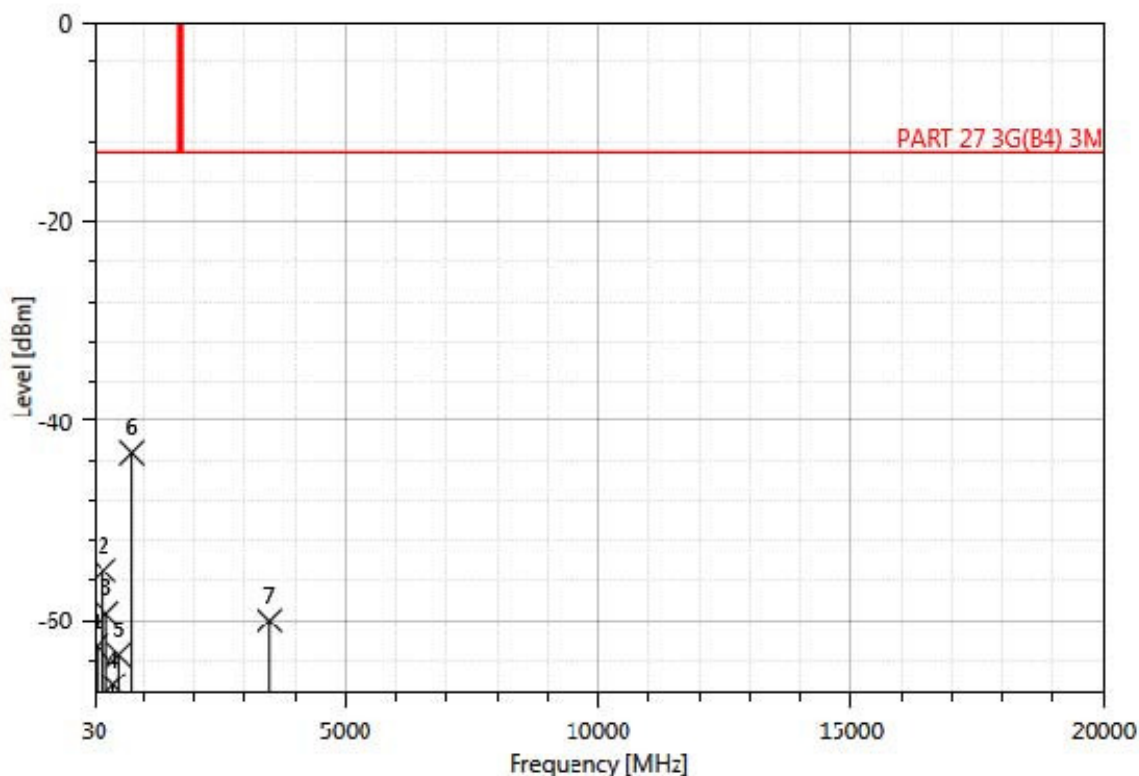
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	HSUPA B4	Test Date :	04/27/2016 16:48:03
Fundamental Frequency :	1752.6 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
76.56	S	Peak	-62.59	-59.73	-1.72	-1.14	-13.00	-49.59
214.30	S	Peak	-54.97	-58.88	5.59	-1.68	-13.00	-41.97
270.56	S	Peak	-59.28	-63.10	5.65	-1.83	-13.00	-46.28
406.36	S	Peak	-66.47	-70.00	5.95	-2.42	-13.00	-53.47
519.85	S	Peak	-63.42	-66.93	5.90	-2.39	-13.00	-50.42
769.14	S	Peak	-43.13	-45.56	5.39	-2.96	-13.00	-30.13
3505.20	H	Peak	-60.00	-65.93	12.40	-6.47	-13.00	-47.00

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

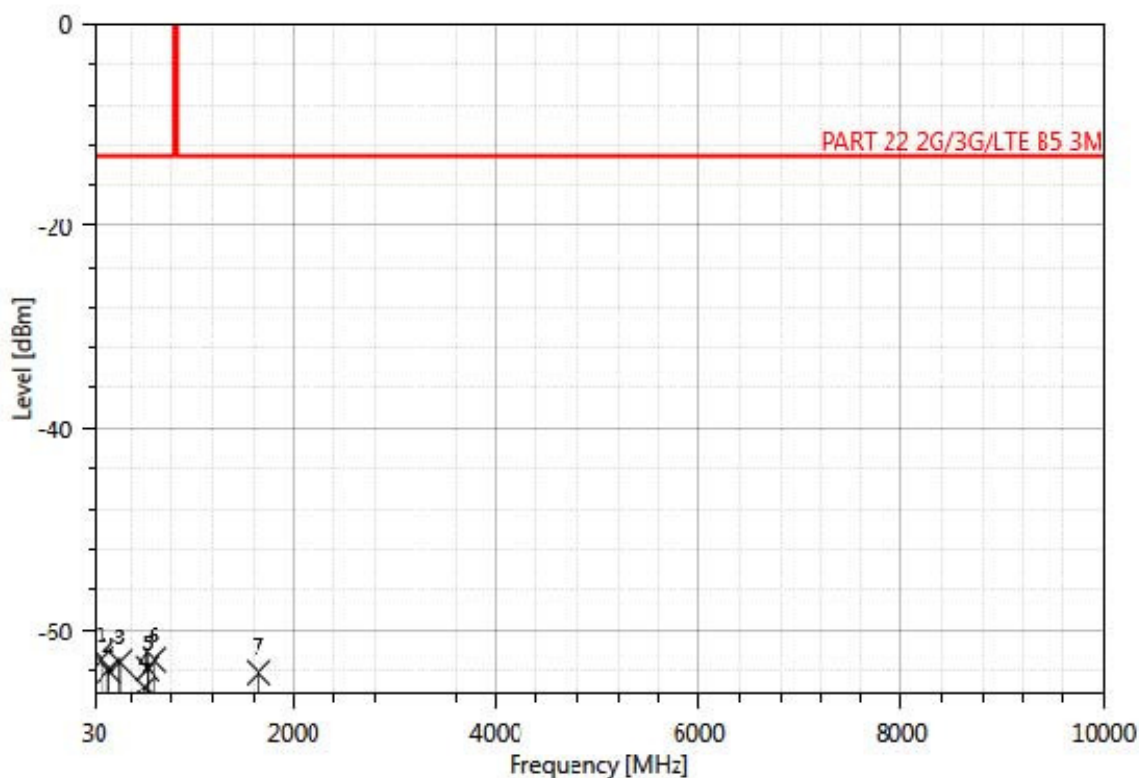
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: WCDMA V Mode

Operation Mode :	WCDMA B5	Test Date :	04/27/2016 16:10:49
Fundamental Frequency :	826.4 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
104.69	S	Peak	-62.90	-59.59	-2.04	-1.27	-13.00	-49.90
172.59	S	Peak	-63.93	-61.96	-0.44	-1.53	-13.00	-50.93
284.14	S	Peak	-63.15	-64.68	3.43	-1.89	-13.00	-50.15
521.79	S	Peak	-65.56	-66.89	3.74	-2.41	-13.00	-52.56
556.71	S	Peak	-63.77	-64.56	3.54	-2.75	-13.00	-50.77
623.64	S	Peak	-62.94	-63.62	3.19	-2.52	-13.00	-49.94
1652.80	H	Peak	-64.15	-67.03	7.12	-4.24	-13.00	-51.15

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

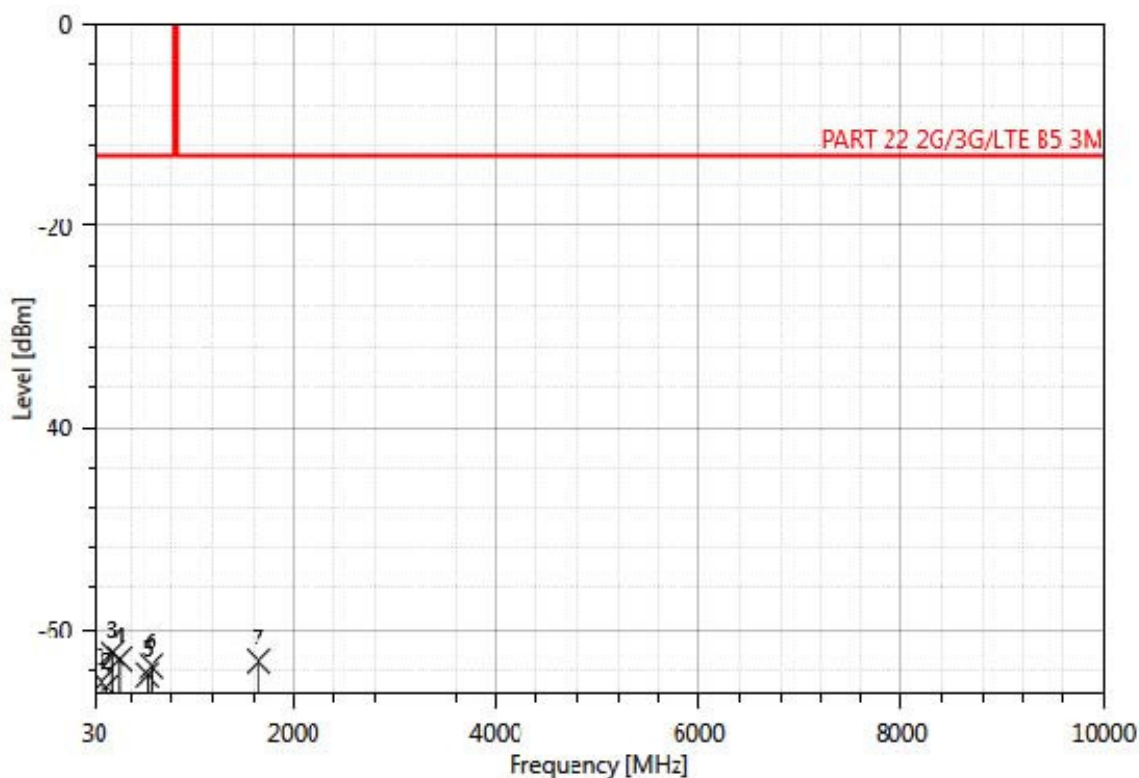
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	WCDMA B5	Test Date :	04/27/2016 16:10:56
Fundamental Frequency :	826.4 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	
102.75	S	Peak	-65.19	-63.93	0.00	-1.26	-13.00	-52.19
153.19	S	Peak	-65.70	-64.25	0.00	-1.44	-13.00	-52.70
211.39	S	Peak	-62.41	-60.74	0.00	-1.68	-13.00	-49.41
285.11	S	Peak	-63.00	-61.10	0.00	-1.90	-13.00	-50.00
555.74	S	Peak	-64.51	-61.76	0.00	-2.75	-13.00	-51.51
595.51	S	Peak	-63.66	-60.90	0.00	-2.77	-13.00	-50.66
1652.80	H	Peak	-63.20	-66.08	7.12	-4.24	-13.00	-50.20

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

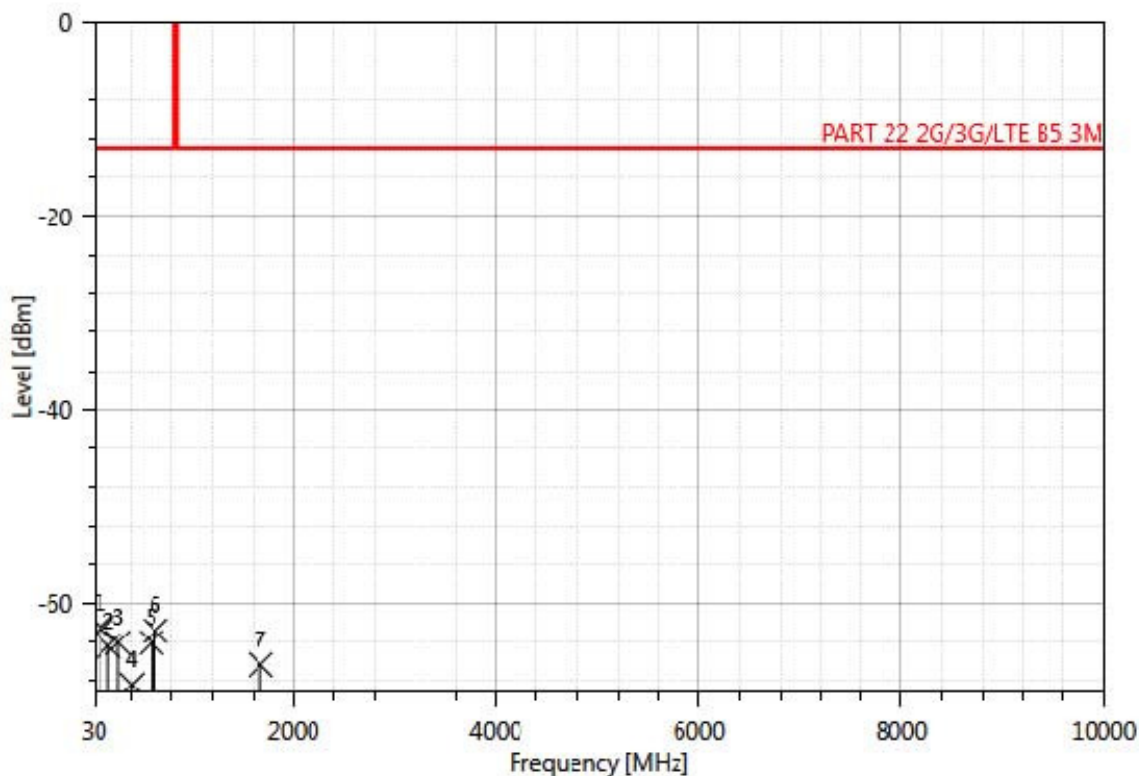
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	WCDMA B5	Test Date :	04/27/2016 16:11:03
Fundamental Frequency :	836.6 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
93.05	S	Peak	-62.54	-60.51	-0.81	-1.22	-13.00	-49.54
170.65	S	Peak	-64.41	-62.09	-0.79	-1.52	-13.00	-51.41
267.65	S	Peak	-64.08	-65.81	3.55	-1.81	-13.00	-51.08
401.51	S	Peak	-68.40	-69.83	3.82	-2.39	-13.00	-55.40
595.51	S	Peak	-64.07	-64.57	3.27	-2.77	-13.00	-51.07
633.34	S	Peak	-62.87	-63.58	3.17	-2.46	-13.00	-49.87
1673.20	H	Peak	-66.34	-69.25	7.20	-4.29	-13.00	-53.34

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

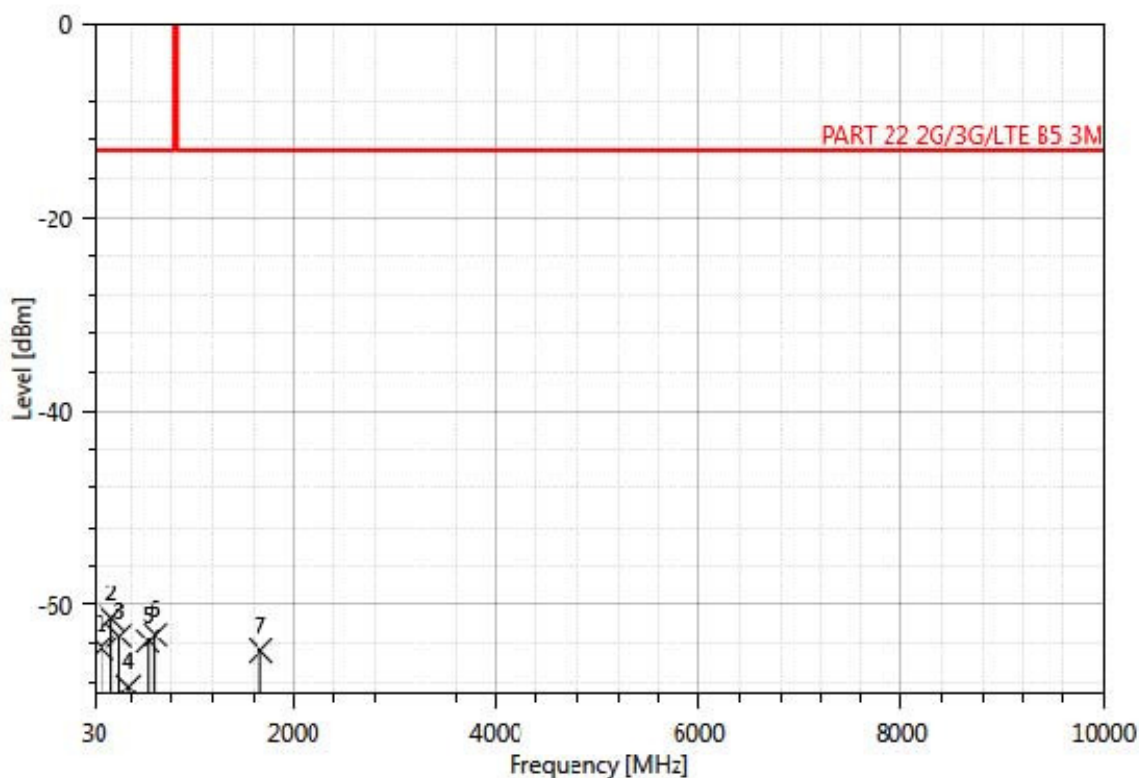
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	WCDMA B5	Test Date :	04/27/2016 16:11:11
Fundamental Frequency :	836.6 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
102.75	S	Peak	-64.47	-63.21	0.00	-1.26	-13.00	-51.47
199.75	S	Peak	-61.34	-59.71	0.00	-1.63	-13.00	-48.34
277.35	S	Peak	-63.21	-61.35	0.00	-1.86	-13.00	-50.21
367.56	S	Peak	-68.45	-66.26	0.00	-2.18	-13.00	-55.45
558.65	S	Peak	-63.74	-60.98	0.00	-2.76	-13.00	-50.74
634.31	S	Peak	-63.13	-60.67	0.00	-2.45	-13.00	-50.13
1673.20	H	Peak	-64.77	-67.68	7.20	-4.29	-13.00	-51.77

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

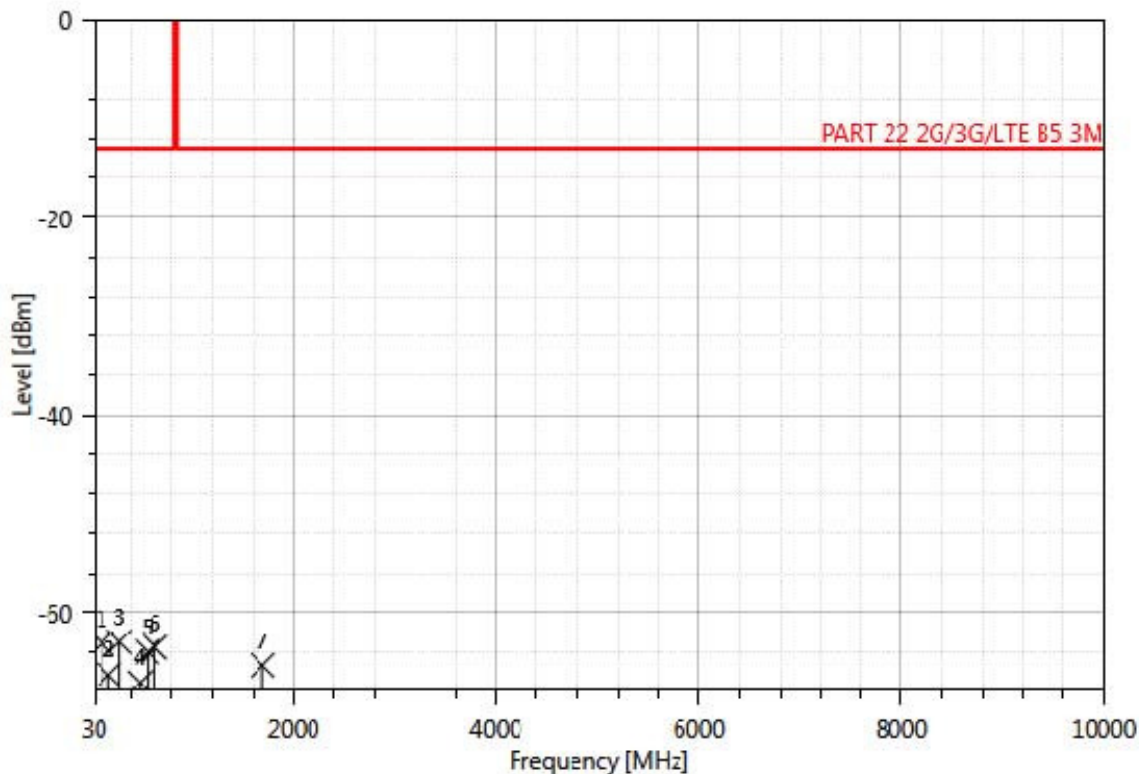
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	WCDMA B5	Test Date :	04/27/2016 16:11:18
Fundamental Frequency :	846.6 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
103.72	S	Peak	-63.11	-59.90	-1.95	-1.26	-13.00	-50.11
172.59	S	Peak	-66.30	-64.34	-0.44	-1.53	-13.00	-53.30
279.29	S	Peak	-62.98	-64.53	3.43	-1.87	-13.00	-49.98
479.11	S	Peak	-67.09	-68.62	3.77	-2.24	-13.00	-54.09
555.74	S	Peak	-63.99	-64.79	3.55	-2.75	-13.00	-50.99
631.40	S	Peak	-63.54	-64.25	3.18	-2.46	-13.00	-50.54
1693.20	H	Peak	-65.33	-68.30	7.27	-4.30	-13.00	-52.33

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

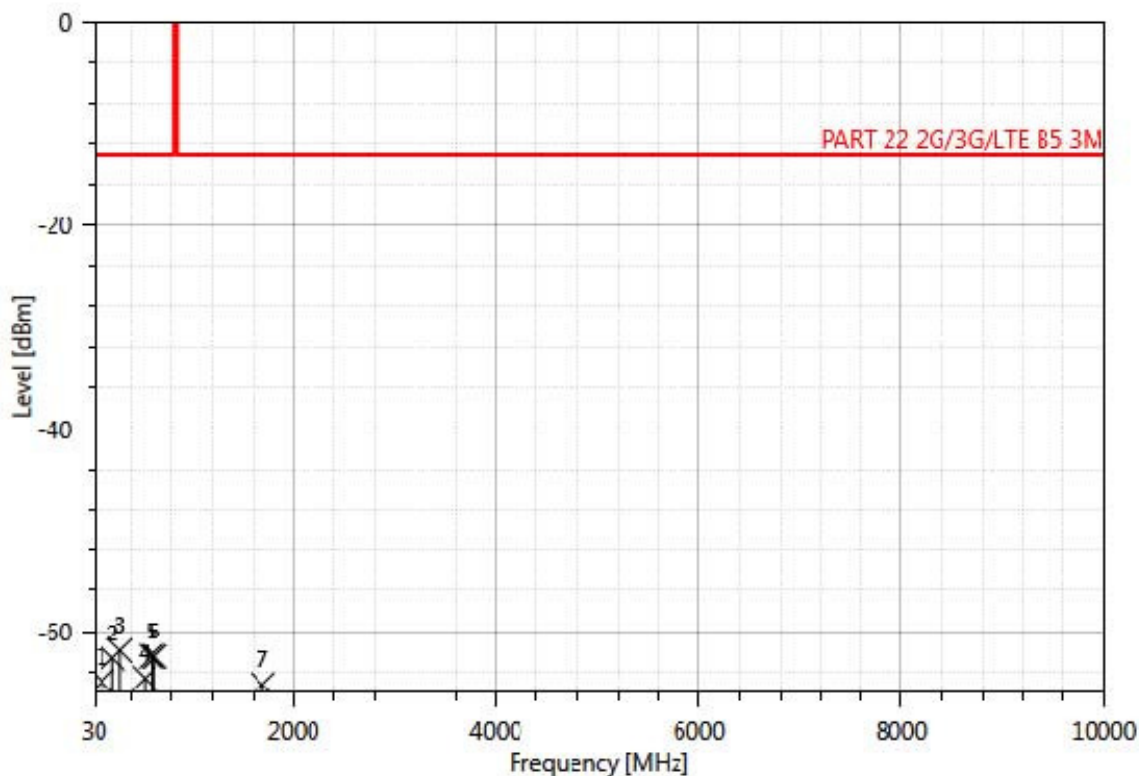
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	WCDMA B5	Test Date :	04/27/2016 16:11:25
Fundamental Frequency :	846.6 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
104.69	S	Peak	-64.92	-63.65	0.00	-1.27	-13.00	-51.92
211.39	S	Peak	-62.63	-60.95	0.00	-1.68	-13.00	-49.63
285.11	S	Peak	-61.90	-60.00	0.00	-1.90	-13.00	-48.90
527.61	S	Peak	-64.60	-62.13	0.00	-2.47	-13.00	-51.60
592.60	S	Peak	-62.45	-59.65	0.00	-2.79	-13.00	-49.45
628.49	S	Peak	-62.47	-60.00	0.00	-2.47	-13.00	-49.47
1693.20	H	Peak	-65.23	-68.19	7.27	-4.30	-13.00	-52.23

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

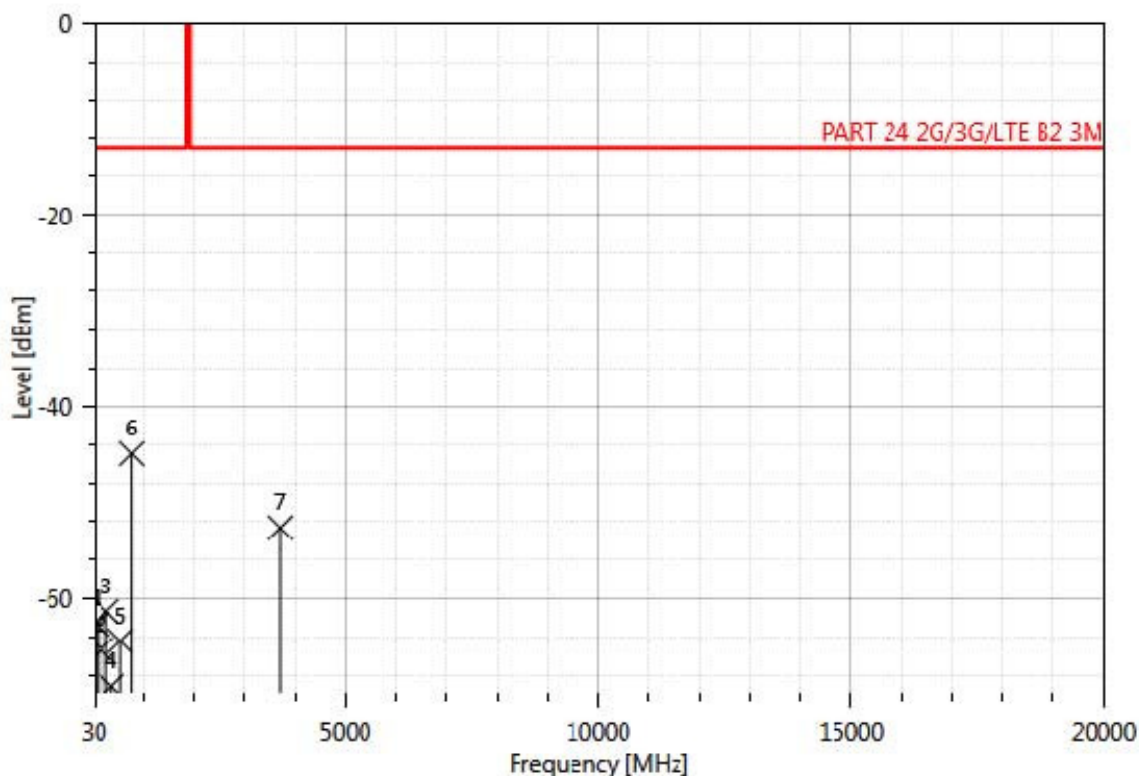
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 2 QPSK RB 1 0 (The Worst Case)

Operation Mode :	LTE B2	Test Date :	04/27/2016 09:52:09
Fundamental Frequency :	1857.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
97.90	S	Peak	-62.70	-62.23	0.77	-1.24	-13.00	-49.70
170.65	S	Peak	-65.34	-65.18	1.36	-1.52	-13.00	-52.34
272.50	S	Peak	-61.40	-65.20	5.64	-1.84	-13.00	-48.40
374.35	S	Peak	-69.12	-72.88	5.99	-2.23	-13.00	-56.12
547.01	S	Peak	-64.45	-67.53	5.75	-2.67	-13.00	-51.45
769.14	S	Peak	-44.90	-47.34	5.39	-2.96	-13.00	-31.90
3715.00	H	Peak	-52.64	-58.50	12.44	-6.58	-13.00	-39.64

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

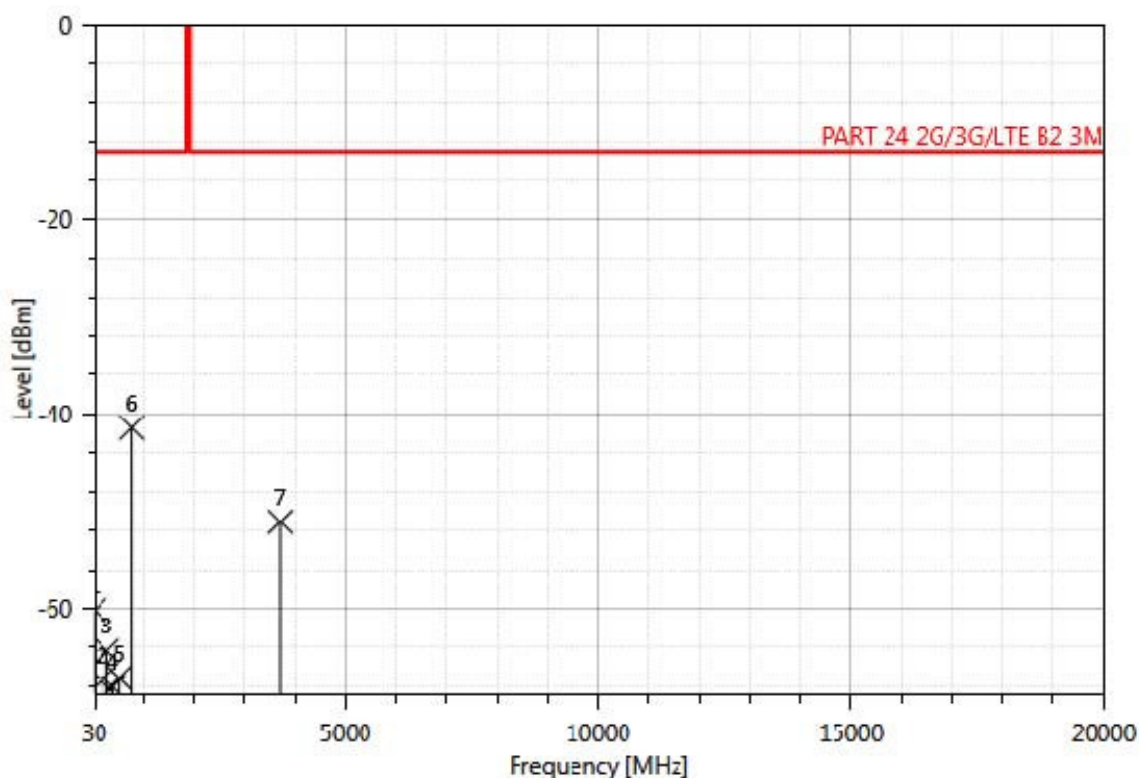
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B2	Test Date :	04/27/2016 09:52:22
Fundamental Frequency :	1857.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
36.79	S	Peak	-60.19	-47.93	-11.28	-0.98	-13.00	-47.19
172.59	S	Peak	-67.41	-67.59	1.71	-1.53	-13.00	-54.41
282.20	S	Peak	-64.34	-68.03	5.57	-1.89	-13.00	-51.34
400.54	S	Peak	-68.07	-71.65	5.97	-2.38	-13.00	-55.07
527.61	S	Peak	-67.12	-70.51	5.86	-2.47	-13.00	-54.12
769.14	S	Peak	-41.42	-43.85	5.39	-2.96	-13.00	-28.42
3715.00	H	Peak	-51.09	-56.95	12.44	-6.58	-13.00	-38.09

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

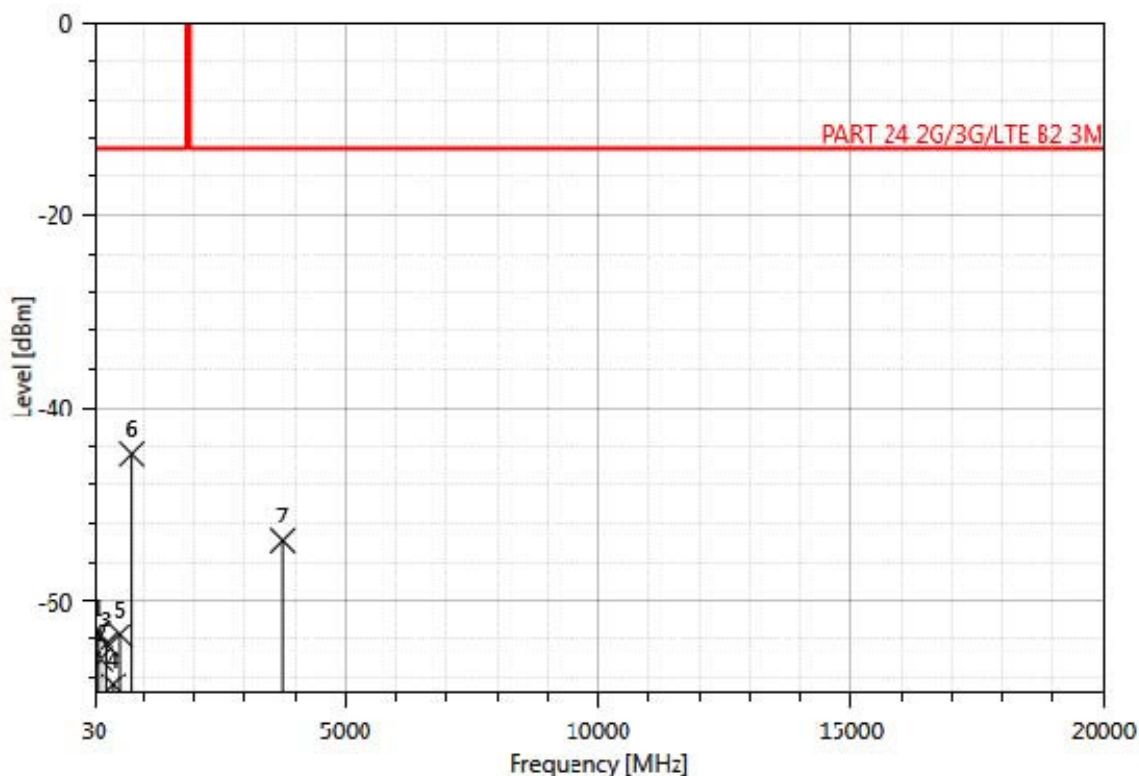
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B2	Test Date :	04/27/2016 09:52:36
Fundamental Frequency :	1880.0 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
95.96	S	Peak	-63.21	-62.97	0.99	-1.23	-13.00	-50.21
172.59	S	Peak	-66.00	-66.18	1.71	-1.53	-13.00	-53.00
280.26	S	Peak	-64.52	-68.22	5.57	-1.88	-13.00	-51.52
418.00	S	Peak	-68.75	-72.31	5.91	-2.35	-13.00	-55.75
544.10	S	Peak	-63.55	-66.68	5.77	-2.64	-13.00	-50.55
769.14	S	Peak	-44.72	-47.16	5.39	-2.96	-13.00	-31.72
3760.00	H	Peak	-53.78	-59.64	12.45	-6.60	-13.00	-40.78

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

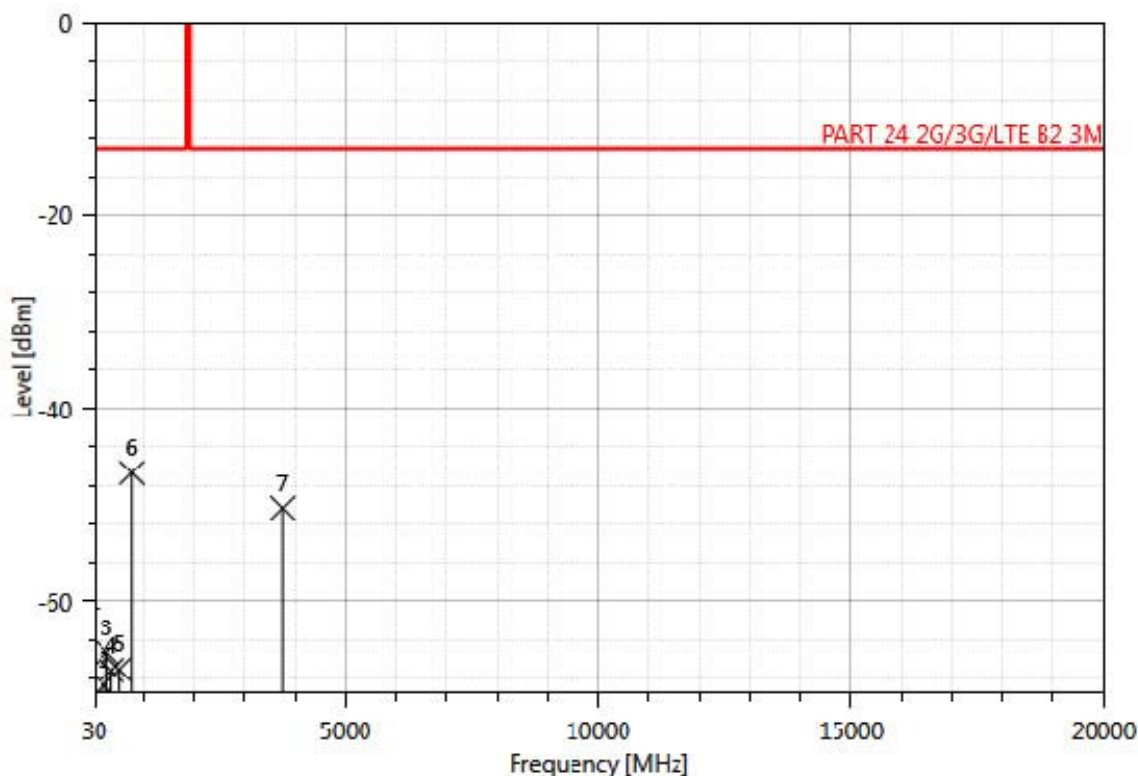
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B2	Test Date :	04/27/2016 09:52:50
Fundamental Frequency :	1880.0 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
30.00	S	Peak	-62.53	-48.94	-12.63	-0.96	-13.00	-49.53
220.12	S	Peak	-68.69	-72.46	5.48	-1.70	-13.00	-55.69
282.20	S	Peak	-65.32	-69.01	5.57	-1.89	-13.00	-52.32
371.44	S	Peak	-67.16	-70.95	5.99	-2.21	-13.00	-54.16
527.61	S	Peak	-67.06	-70.45	5.86	-2.47	-13.00	-54.06
770.11	S	Peak	-46.68	-49.12	5.40	-2.95	-13.00	-33.68
3760.00	H	Peak	-50.31	-56.17	12.45	-6.60	-13.00	-37.31

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

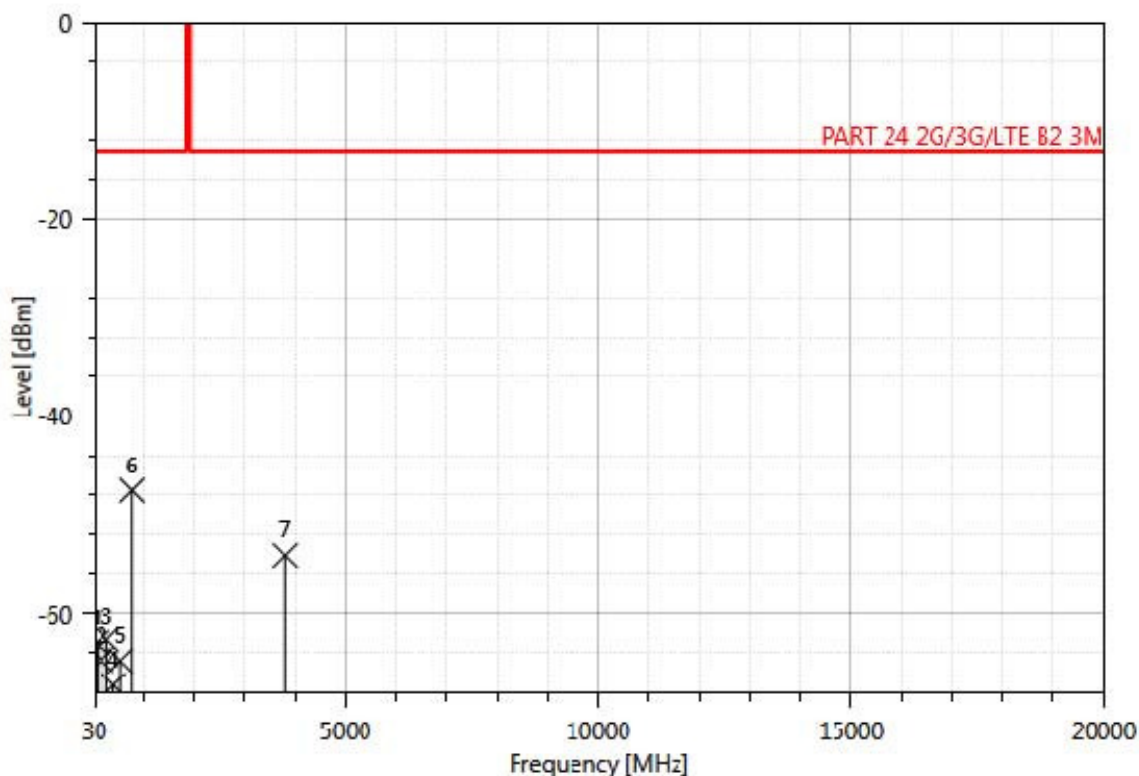
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B2	Test Date :	04/27/2016 09:53:03
Fundamental Frequency :	1902.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
93.05	S	Peak	-63.04	-63.16	1.34	-1.22	-13.00	-50.04
170.65	S	Peak	-64.79	-64.63	1.36	-1.52	-13.00	-51.79
279.29	S	Peak	-62.72	-66.43	5.58	-1.87	-13.00	-49.72
411.21	S	Peak	-67.32	-70.85	5.93	-2.39	-13.00	-54.32
547.01	S	Peak	-64.87	-67.95	5.75	-2.67	-13.00	-51.87
773.99	S	Peak	-47.52	-50.00	5.41	-2.93	-13.00	-34.52
3805.00	H	Peak	-54.12	-59.97	12.46	-6.62	-13.00	-41.12

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

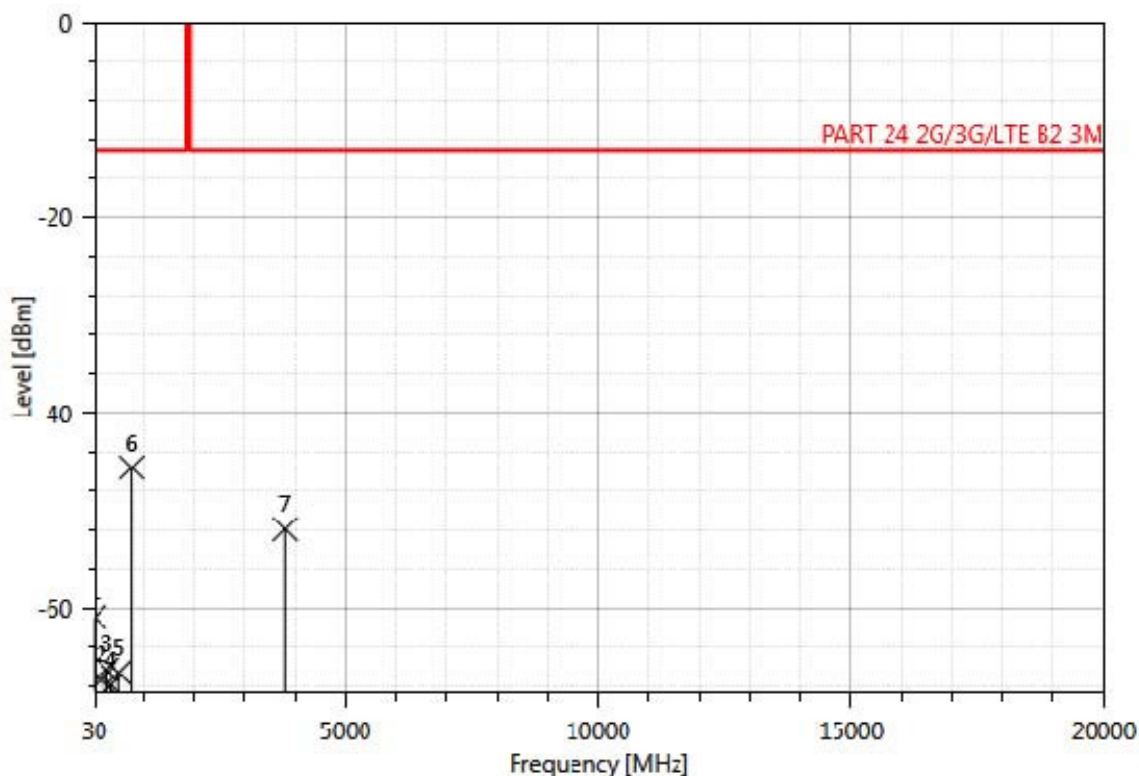
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B2	Test Date :	04/27/2016 09:53:17
Fundamental Frequency :	1902.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
34.85	S	Peak	-60.91	-48.42	-11.52	-0.97	-13.00	-47.91
170.65	S	Peak	-67.32	-67.16	1.36	-1.52	-13.00	-54.32
280.26	S	Peak	-66.29	-69.98	5.57	-1.88	-13.00	-53.29
369.50	S	Peak	-67.89	-71.69	6.00	-2.20	-13.00	-54.89
515.00	S	Peak	-66.61	-70.17	5.92	-2.36	-13.00	-53.61
769.14	S	Peak	-45.60	-48.03	5.39	-2.96	-13.00	-32.60
3805.00	H	Peak	-51.93	-57.77	12.46	-6.62	-13.00	-38.93

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

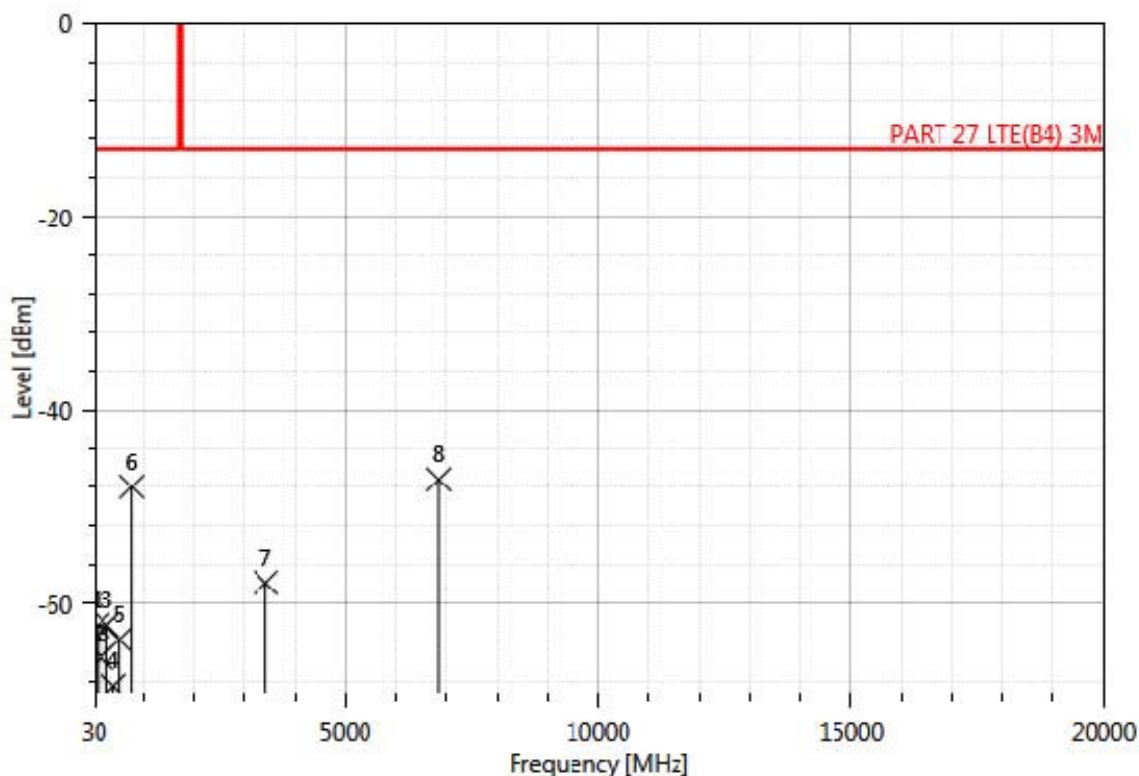
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: 3MHz BW LTE-Band 4 16QAM RB 1 0 (The Worst Case)

Operation Mode :	LTE B4	Test Date :	04/27/2016 10:21:58
Fundamental Frequency :	1711.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decotor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
97.90	S	Peak	-62.26	-61.79	0.77	-1.24	-13.00	-49.26
168.71	S	Peak	-65.58	-65.22	1.15	-1.51	-13.00	-52.58
280.26	S	Peak	-62.23	-65.93	5.57	-1.88	-13.00	-49.23
411.21	S	Peak	-68.51	-72.05	5.93	-2.39	-13.00	-55.51
529.55	S	Peak	-63.74	-67.10	5.85	-2.49	-13.00	-50.74
769.14	S	Peak	-47.93	-50.37	5.39	-2.96	-13.00	-34.93
3423.00	H	Peak	-57.86	-63.90	12.27	-6.23	-13.00	-44.86
6846.00	H	Peak	-47.18	-49.67	11.82	-9.33	-13.00	-34.18

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

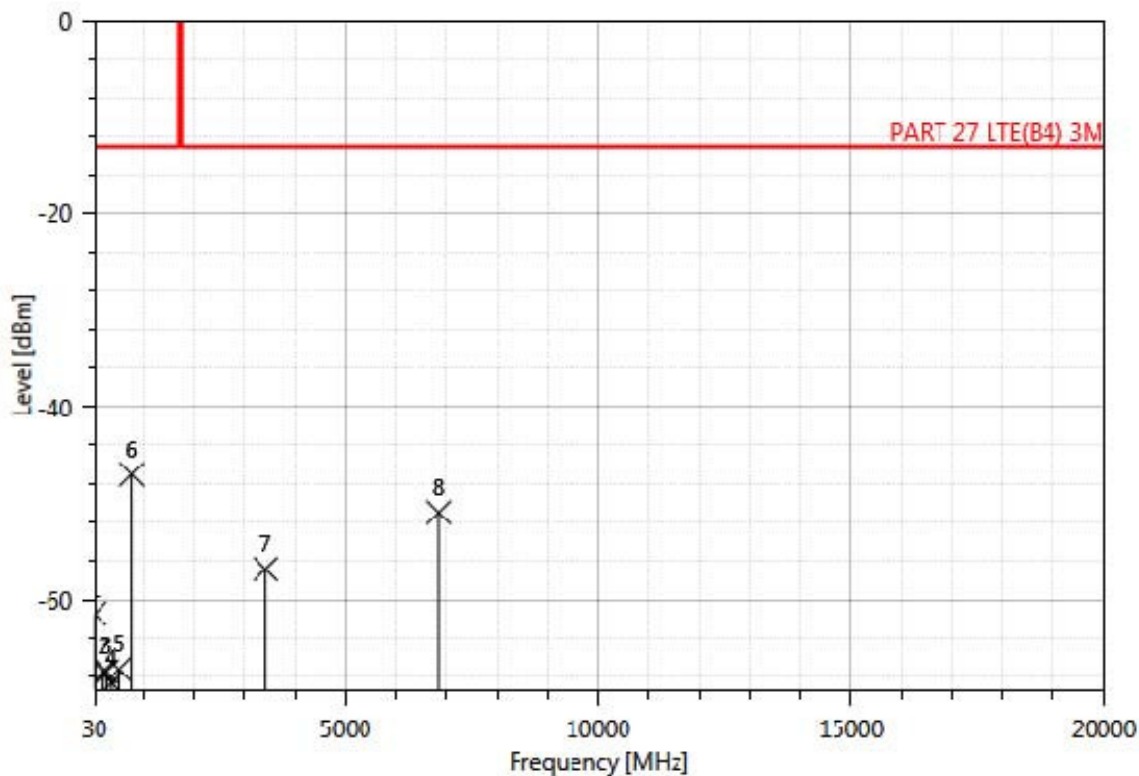
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B4	Test Date :	04/27/2016 10:22:12
Fundamental Frequency :	1711.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
36.79	S	Peak	-61.46	-49.20	-11.28	-0.98	-13.00	-48.46
211.39	S	Peak	-67.45	-71.42	5.65	-1.68	-13.00	-54.45
279.29	S	Peak	-67.42	-71.13	5.58	-1.87	-13.00	-54.42
379.20	S	Peak	-68.64	-72.37	5.99	-2.26	-13.00	-55.64
521.79	S	Peak	-67.19	-70.67	5.89	-2.41	-13.00	-54.19
769.14	S	Peak	-47.02	-49.46	5.39	-2.96	-13.00	-34.02
3423.00	H	Peak	-56.82	-62.85	12.27	-6.23	-13.00	-43.82
6846.00	H	Peak	-50.95	-53.44	11.82	-9.33	-13.00	-37.95

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

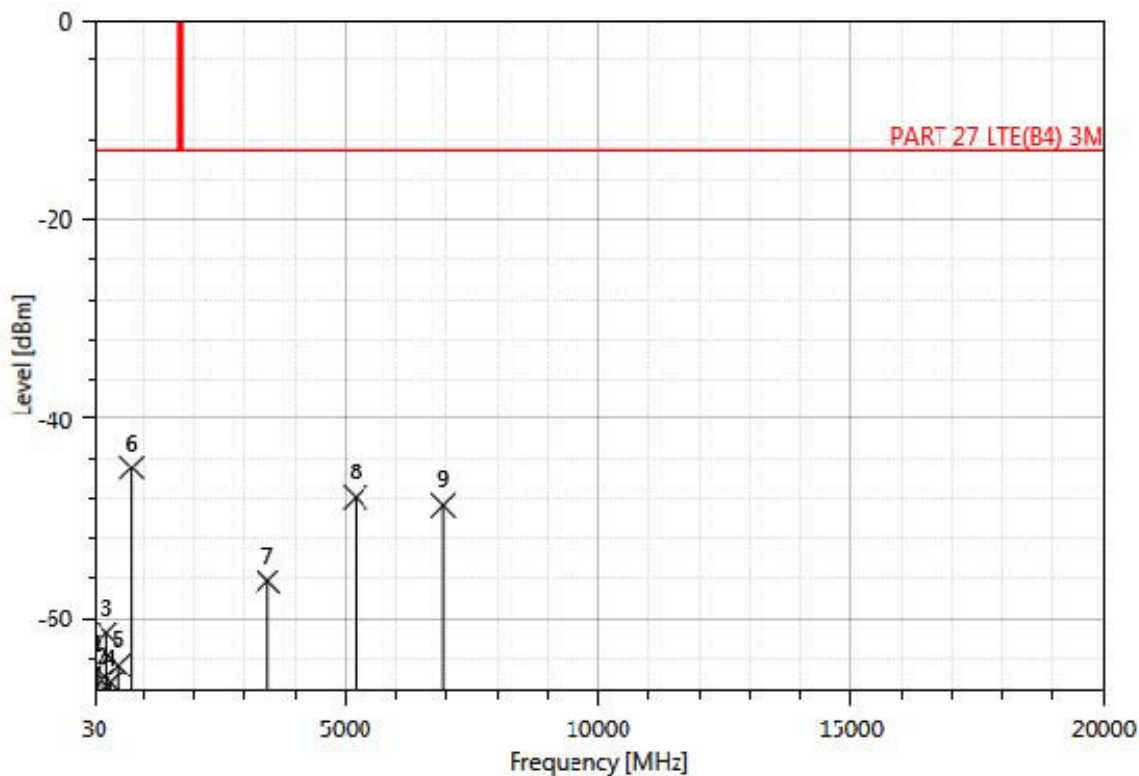
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B4	Test Date :	04/27/2016 10:22:26
Fundamental Frequency :	1732.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	dB
95.96	S	Peak	-64.97	-64.73	0.99	-1.23	-13.00	-51.97
180.35	S	Peak	-66.24	-67.77	3.10	-1.56	-13.00	-53.24
282.20	S	Peak	-61.50	-65.18	5.57	-1.89	-13.00	-48.50
361.74	S	Peak	-66.48	-70.35	6.00	-2.14	-13.00	-53.48
513.06	S	Peak	-64.70	-68.29	5.94	-2.35	-13.00	-51.70
769.14	S	Peak	-44.85	-47.28	5.39	-2.96	-13.00	-31.85
3465.00	H	Peak	-56.29	-62.38	12.34	-6.25	-13.00	-43.29
5197.50	H	Peak	-47.82	-52.64	12.78	-7.96	-13.00	-34.82
6930.00	H	Peak	-48.60	-50.93	11.75	-9.42	-13.00	-35.60

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

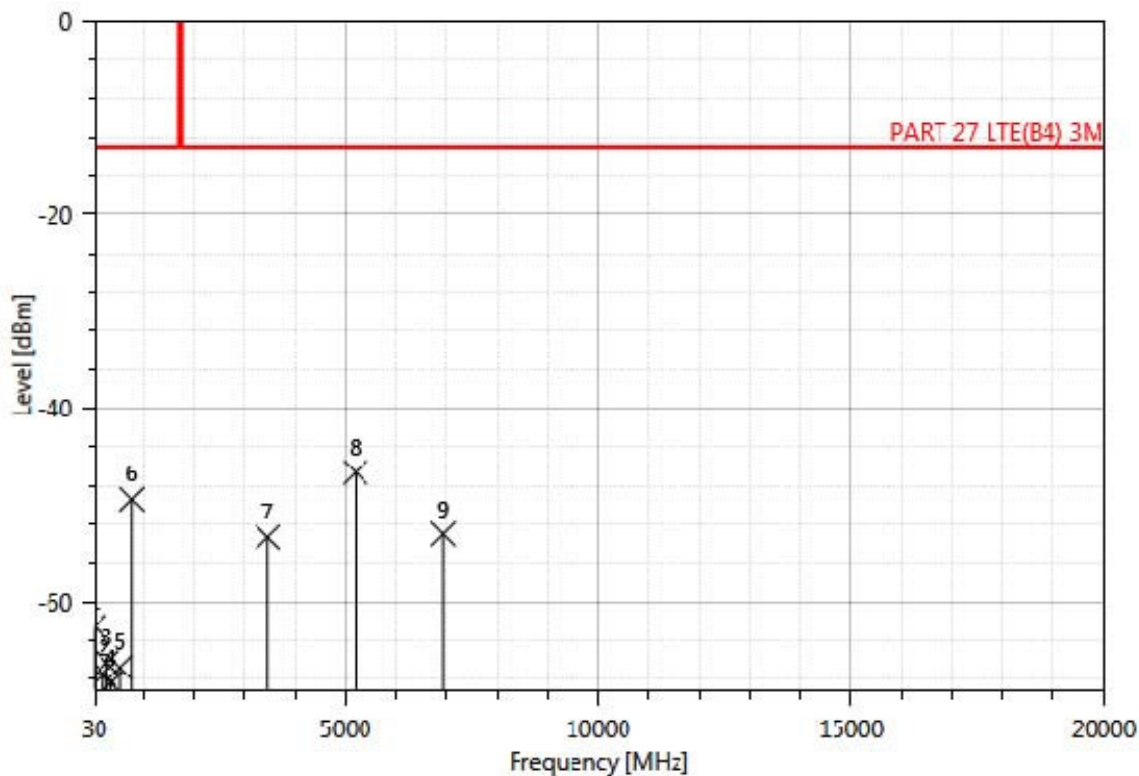
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B4	Test Date :	04/27/2016 10:22:39
Fundamental Frequency :	1732.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
31.94	S	Peak	-62.59	-49.46	-12.16	-0.96	-13.00	-49.59
217.21	S	Peak	-67.40	-71.24	5.53	-1.69	-13.00	-54.40
279.29	S	Peak	-66.29	-70.00	5.58	-1.87	-13.00	-53.29
361.74	S	Peak	-68.41	-72.27	6.00	-2.14	-13.00	-55.41
542.16	S	Peak	-66.79	-69.94	5.78	-2.62	-13.00	-53.79
770.11	S	Peak	-49.43	-51.87	5.40	-2.95	-13.00	-36.43
3465.00	H	Peak	-53.37	-59.46	12.34	-6.25	-13.00	-40.37
5197.50	H	Peak	-46.66	-51.48	12.78	-7.96	-13.00	-33.66
6930.00	H	Peak	-53.03	-55.37	11.75	-9.42	-13.00	-40.03

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

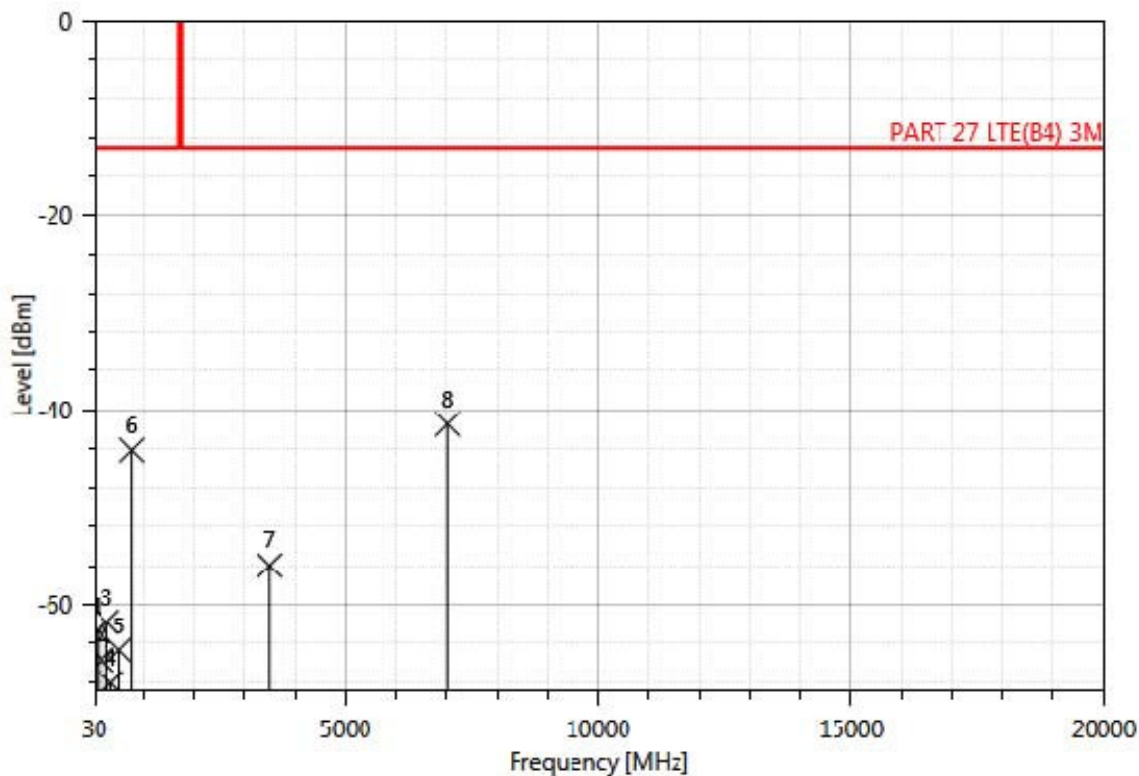
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B4	Test Date :	04/27/2016 10:22:53
Fundamental Frequency :	1753.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
95.96	S	Peak	-62.74	-62.50	0.99	-1.23	-13.00	-49.74
173.56	S	Peak	-65.66	-66.02	1.89	-1.53	-13.00	-52.66
279.29	S	Peak	-61.79	-65.49	5.58	-1.87	-13.00	-48.79
362.71	S	Peak	-68.06	-71.92	6.00	-2.15	-13.00	-55.06
521.79	S	Peak	-64.66	-68.14	5.89	-2.41	-13.00	-51.66
769.14	S	Peak	-44.09	-46.52	5.39	-2.96	-13.00	-31.09
3507.00	H	Peak	-55.98	-61.91	12.40	-6.48	-13.00	-42.98
7014.00	H	Peak	-41.45	-43.62	11.68	-9.51	-13.00	-28.45

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

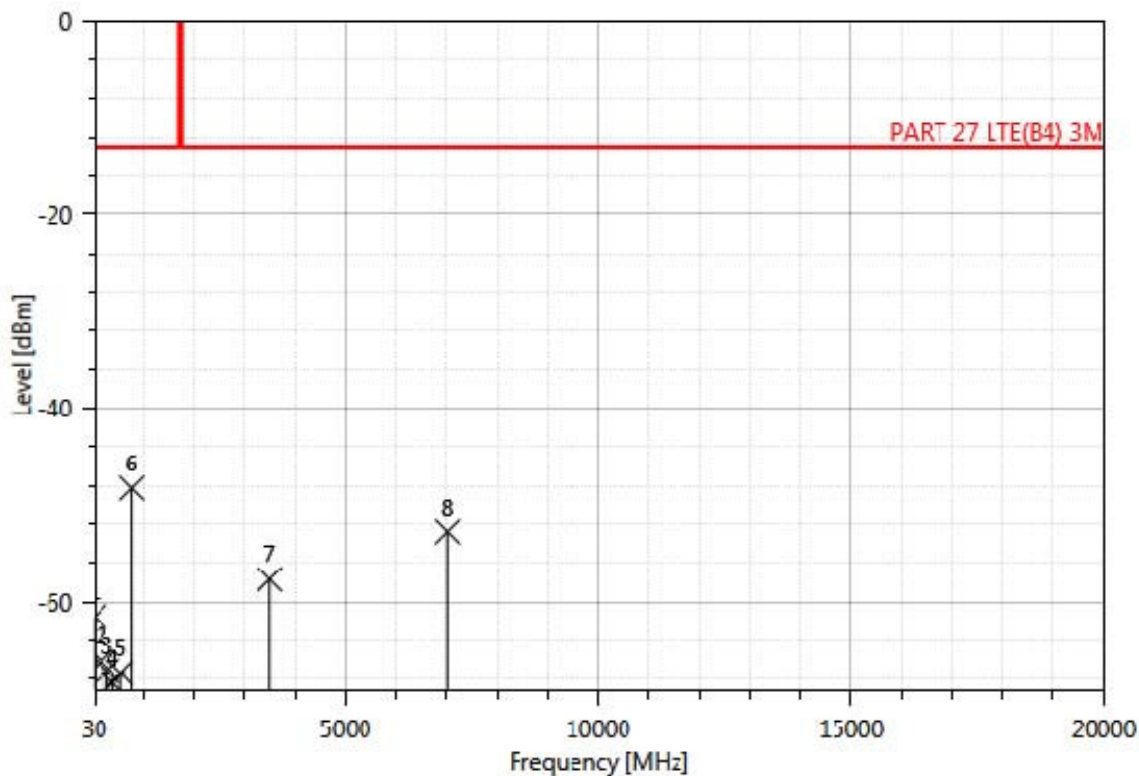
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B4	Test Date :	04/27/2016 10:23:07
Fundamental Frequency :	1753.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
36.79	S	Peak	-61.50	-49.24	-11.28	-0.98	-13.00	-48.50
172.59	S	Peak	-66.10	-66.28	1.71	-1.53	-13.00	-53.10
282.20	S	Peak	-67.10	-70.78	5.57	-1.89	-13.00	-54.10
398.60	S	Peak	-68.36	-71.96	5.97	-2.37	-13.00	-55.36
548.95	S	Peak	-67.31	-70.36	5.74	-2.69	-13.00	-54.31
769.14	S	Peak	-48.24	-50.67	5.39	-2.96	-13.00	-35.24
3507.00	H	Peak	-57.65	-63.57	12.40	-6.48	-13.00	-44.65
7014.00	H	Peak	-52.80	-54.97	11.68	-9.51	-13.00	-39.80

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

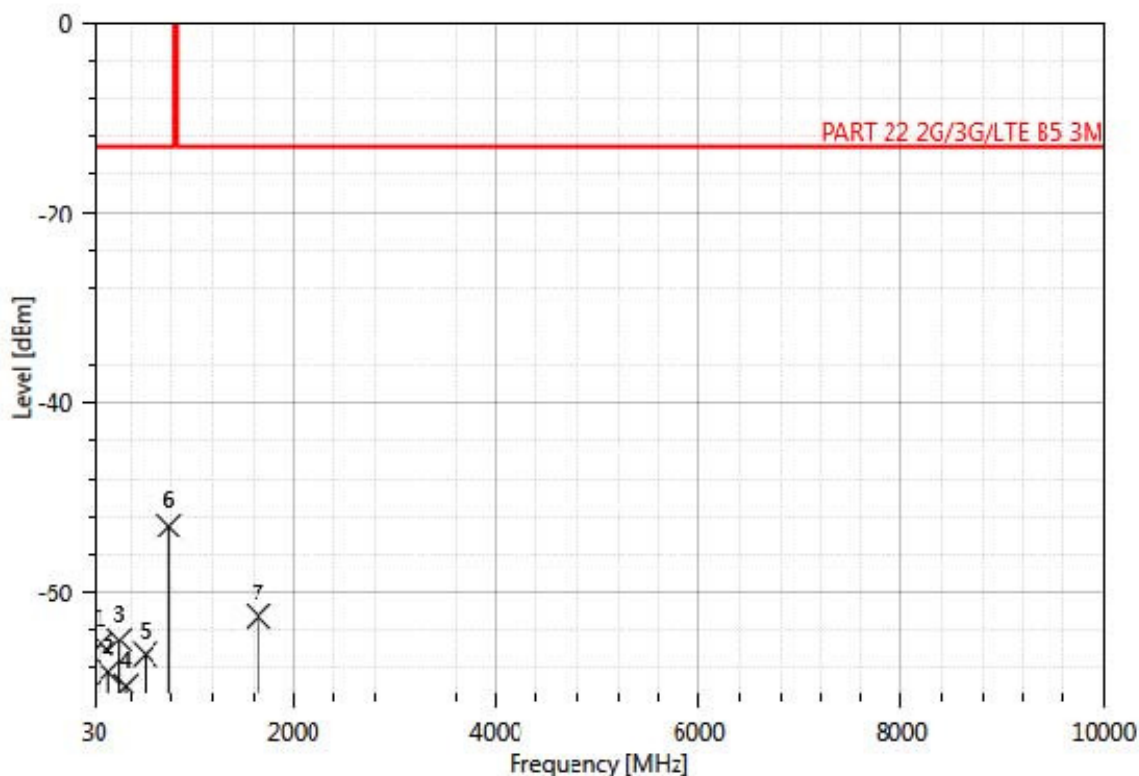
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 5 QPSK RB 1 0 (The Worst Case)

Operation Mode :	LTE B5	Test Date :	04/27/2016 09:31:32
Fundamental Frequency :	825.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	
95.96	S	Peak	-65.43	-63.04	-1.16	-1.23	-13.00	-52.43
172.59	S	Peak	-68.39	-66.43	-0.44	-1.53	-13.00	-55.39
280.26	S	Peak	-65.02	-66.57	3.42	-1.88	-13.00	-52.02
345.25	S	Peak	-69.85	-71.68	3.84	-2.01	-13.00	-56.85
534.40	S	Peak	-66.61	-67.74	3.67	-2.54	-13.00	-53.61
769.14	S	Peak	-53.01	-53.29	3.24	-2.96	-13.00	-40.01
1651.00	H	Peak	-62.53	-67.57	9.27	-4.23	-13.00	-49.53

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

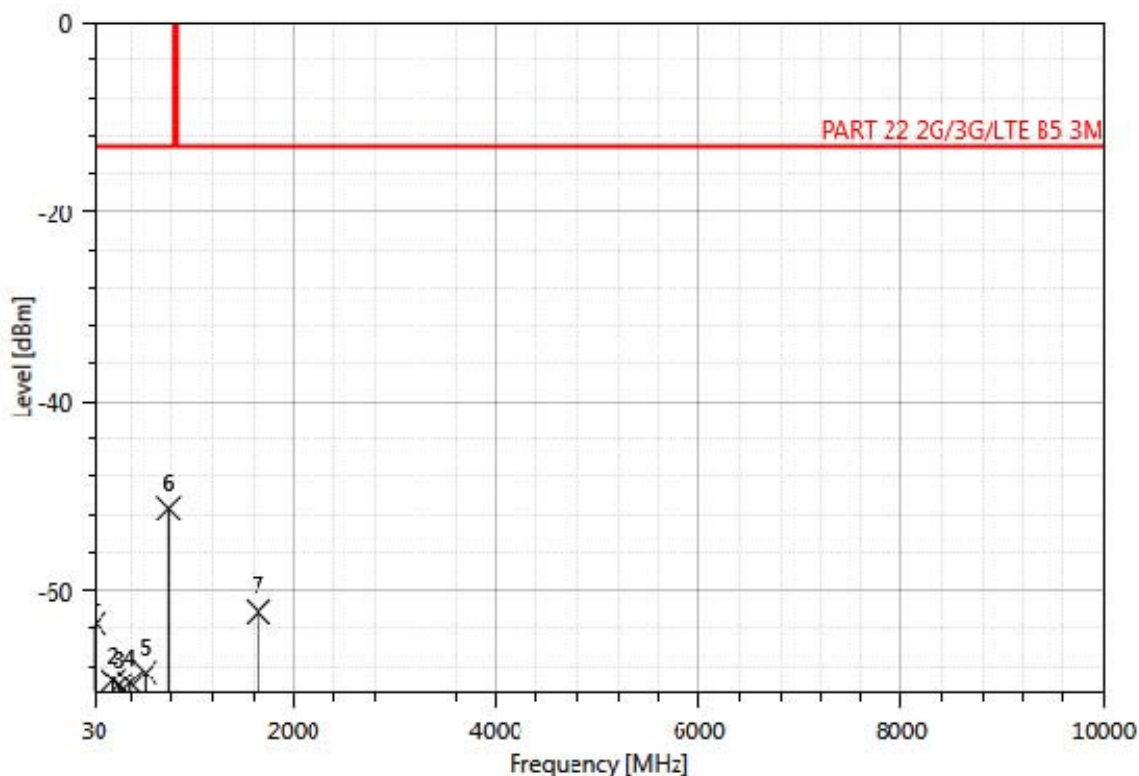
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B5	Test Date :	04/27/2016 09:31:40
Fundamental Frequency :	825.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
31.94	S	Peak	-63.46	-48.18	-14.31	-0.96	-13.00	-50.46
219.15	S	Peak	-69.49	-71.13	3.34	-1.70	-13.00	-56.49
279.29	S	Peak	-69.96	-71.52	3.43	-1.87	-13.00	-56.96
381.14	S	Peak	-69.74	-71.31	3.84	-2.27	-13.00	-56.74
532.46	S	Peak	-68.65	-69.80	3.68	-2.52	-13.00	-55.65
769.14	S	Peak	-51.27	-51.55	3.24	-2.96	-13.00	-38.27
1651.00	H	Peak	-62.18	-67.22	9.27	-4.23	-13.00	-49.18

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

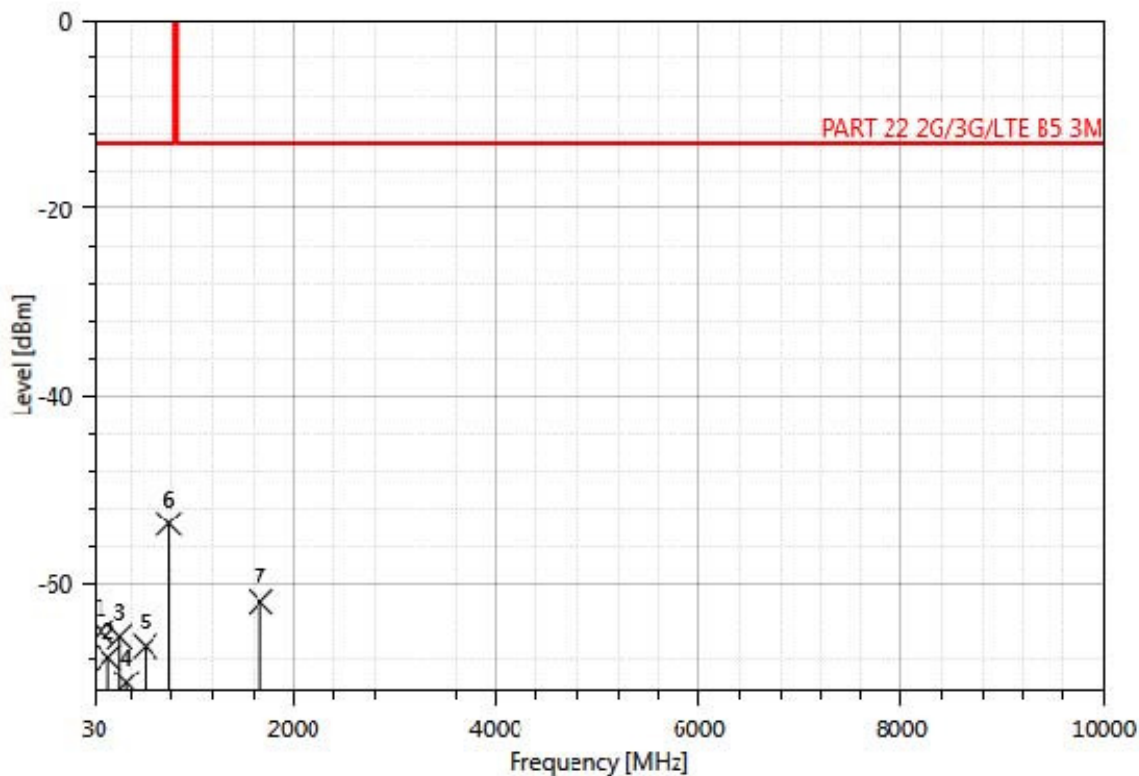
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B5	Test Date :	04/27/2016 09:31:47
Fundamental Frequency :	836.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
97.90	S	Peak	-65.08	-62.45	-1.38	-1.24	-13.00	-52.08
170.65	S	Peak	-67.81	-65.49	-0.79	-1.52	-13.00	-54.81
282.20	S	Peak	-65.66	-67.19	3.42	-1.89	-13.00	-52.66
348.16	S	Peak	-70.54	-72.36	3.85	-2.03	-13.00	-57.54
534.40	S	Peak	-66.64	-67.77	3.67	-2.54	-13.00	-53.64
770.11	S	Peak	-53.58	-53.88	3.25	-2.95	-13.00	-40.58
1673.00	H	Peak	-61.87	-66.93	9.35	-4.29	-13.00	-48.87

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

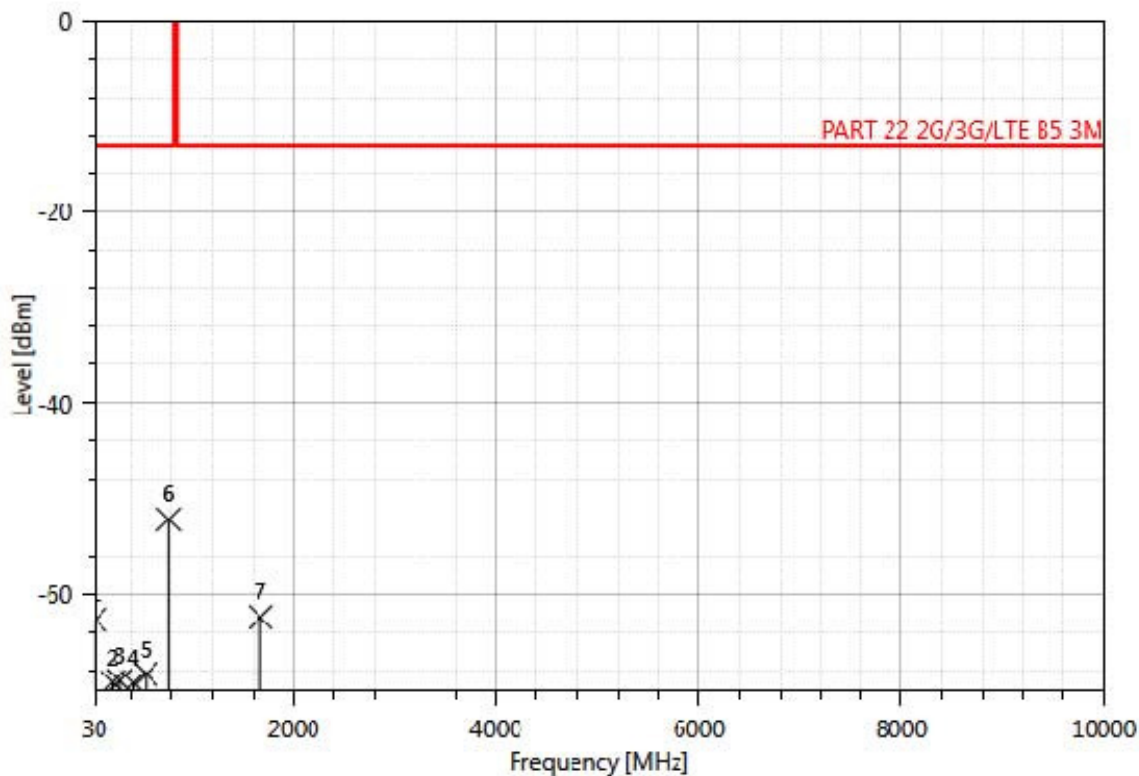
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B5	Test Date :	04/27/2016 09:31:54
Fundamental Frequency :	836.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
36.79	S	Peak	-62.67	-48.26	-13.43	-0.98	-13.00	-49.67
217.21	S	Peak	-69.22	-70.91	3.38	-1.69	-13.00	-56.22
284.14	S	Peak	-69.07	-70.60	3.43	-1.89	-13.00	-56.07
415.09	S	Peak	-69.30	-70.70	3.77	-2.37	-13.00	-56.30
539.25	S	Peak	-68.35	-69.41	3.64	-2.59	-13.00	-55.35
769.14	S	Peak	-52.17	-52.46	3.24	-2.96	-13.00	-39.17
1673.00	H	Peak	-62.40	-67.46	9.35	-4.29	-13.00	-49.40

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

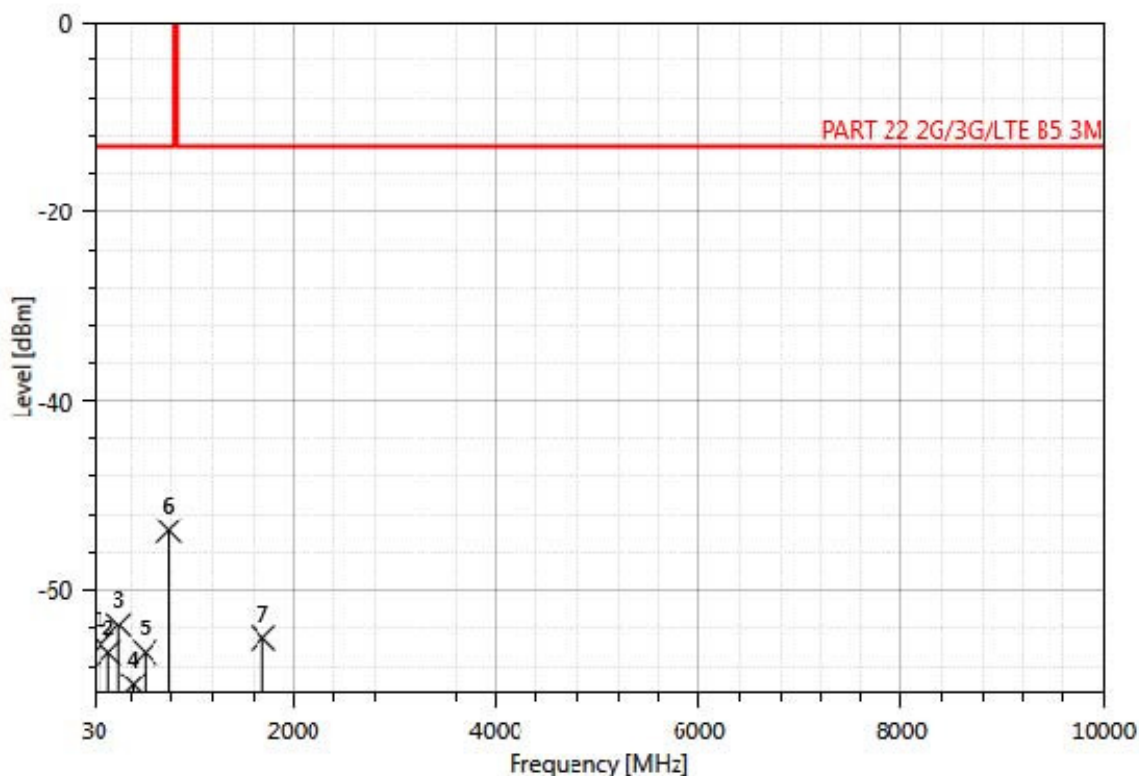
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B5	Test Date :	04/27/2016 09:32:02
Fundamental Frequency :	848.3 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
94.99	S	Peak	-65.75	-63.48	-1.04	-1.23	-13.00	-52.75
172.59	S	Peak	-66.57	-64.60	-0.44	-1.53	-13.00	-53.57
272.50	S	Peak	-63.64	-65.29	3.49	-1.84	-13.00	-50.64
416.06	S	Peak	-70.00	-71.40	3.76	-2.36	-13.00	-57.00
531.49	S	Peak	-66.55	-67.72	3.69	-2.51	-13.00	-53.55
770.11	S	Peak	-53.70	-53.99	3.25	-2.95	-13.00	-40.70
1696.60	H	Peak	-65.07	-68.04	7.28	-4.31	-13.00	-52.07

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

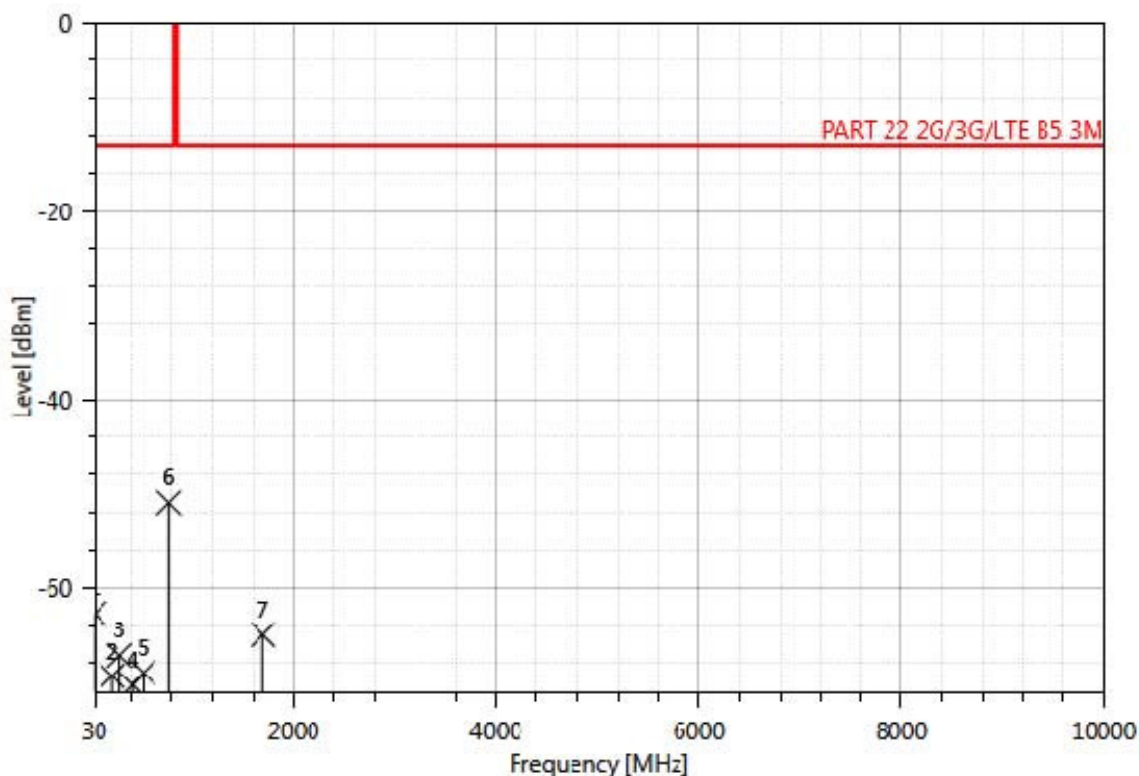
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B5	Test Date :	04/27/2016 09:32:09
Fundamental Frequency :	848.3 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
34.85	S	Peak	-62.73	-48.08	-13.67	-0.97	-13.00	-49.73
209.45	S	Peak	-69.34	-71.17	3.50	-1.67	-13.00	-56.34
280.26	S	Peak	-67.16	-68.71	3.42	-1.88	-13.00	-54.16
408.30	S	Peak	-70.31	-71.68	3.79	-2.41	-13.00	-57.31
513.06	S	Peak	-68.98	-70.41	3.79	-2.35	-13.00	-55.98
769.14	S	Peak	-50.94	-51.22	3.24	-2.96	-13.00	-37.94
1696.60	H	Peak	-64.96	-67.94	7.28	-4.31	-13.00	-51.96

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

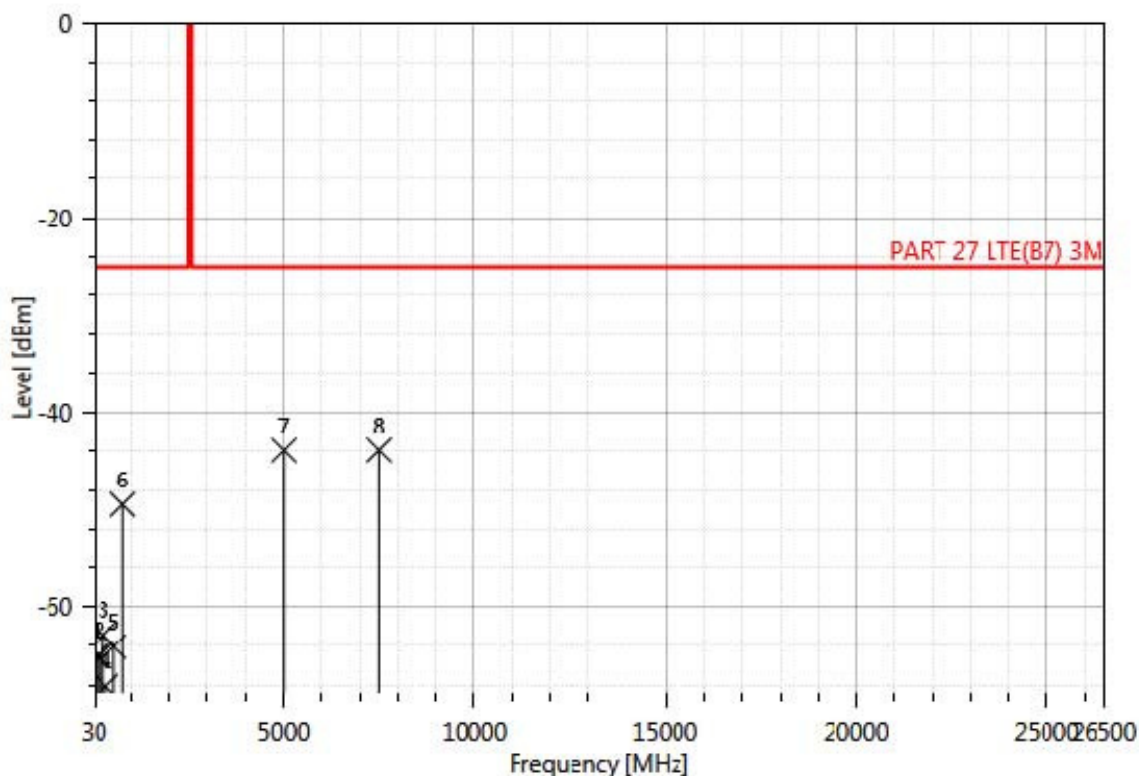
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 7 QPSK RB 1 0 (The Worst Case)

Operation Mode :	LTE B7	Test Date :	04/27/2016 10:42:25
Fundamental Frequency :	2502.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
94.99	S	Peak	-65.04	-64.92	1.11	-1.23	-25.00	-40.04
172.59	S	Peak	-65.05	-65.23	1.71	-1.53	-25.00	-40.05
279.29	S	Peak	-62.87	-66.58	5.58	-1.87	-25.00	-37.87
340.40	S	Peak	-68.09	-72.09	5.97	-1.97	-25.00	-43.09
546.04	S	Peak	-64.09	-67.18	5.76	-2.66	-25.00	-39.09
774.96	S	Peak	-49.46	-51.95	5.41	-2.92	-25.00	-24.46
5005.00	H	Peak	-43.92	-48.81	12.70	-7.81	-25.00	-18.92
7507.50	H	Peak	-43.90	-45.10	11.00	-9.81	-25.00	-18.90

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

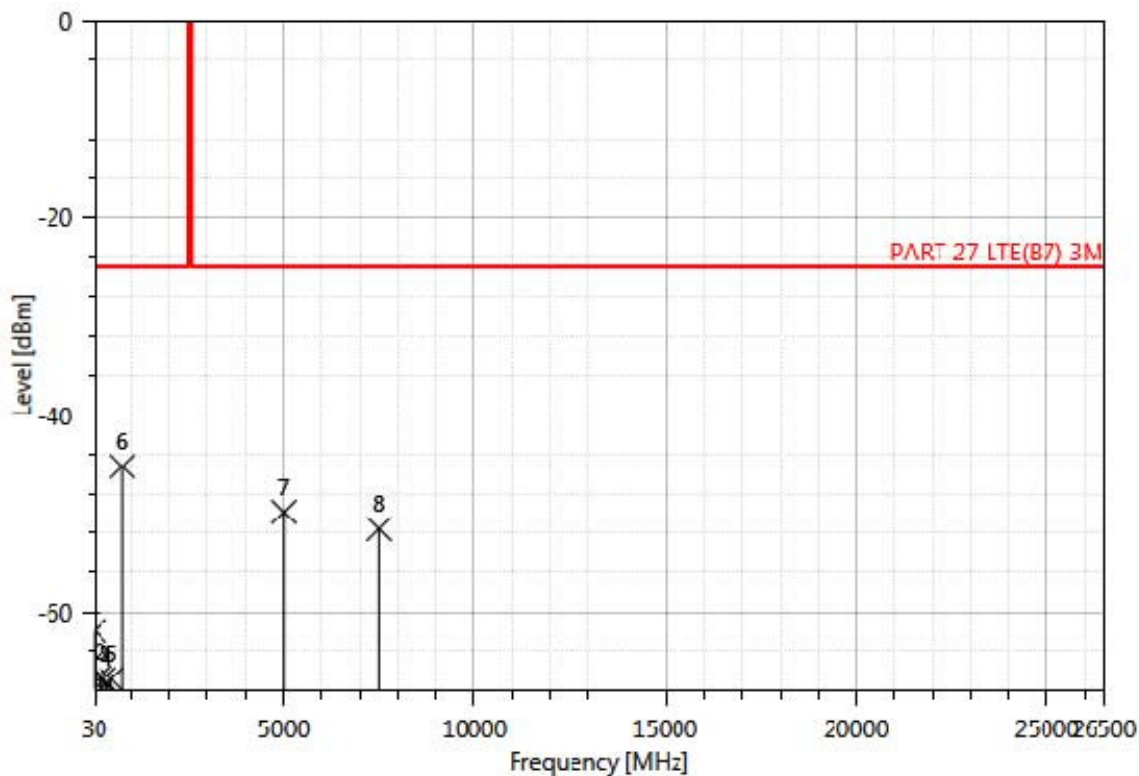
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B7	Test Date :	04/27/2016 10:42:39
Fundamental Frequency :	2502.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
36.79	S	Peak	-61.90	-49.64	-11.28	-0.98	-25.00	-36.90
168.71	S	Peak	-66.64	-66.27	1.15	-1.51	-25.00	-41.64
282.20	S	Peak	-66.79	-70.48	5.57	-1.89	-25.00	-41.79
369.50	S	Peak	-67.20	-70.99	6.00	-2.20	-25.00	-42.20
483.96	S	Peak	-66.81	-70.50	5.94	-2.25	-25.00	-41.81
769.14	S	Peak	-45.22	-47.66	5.39	-2.96	-25.00	-20.22
5005.00	H	Peak	-49.83	-54.72	12.70	-7.81	-25.00	-24.83
7507.50	H	Peak	-51.57	-52.76	11.00	-9.81	-25.00	-26.57

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

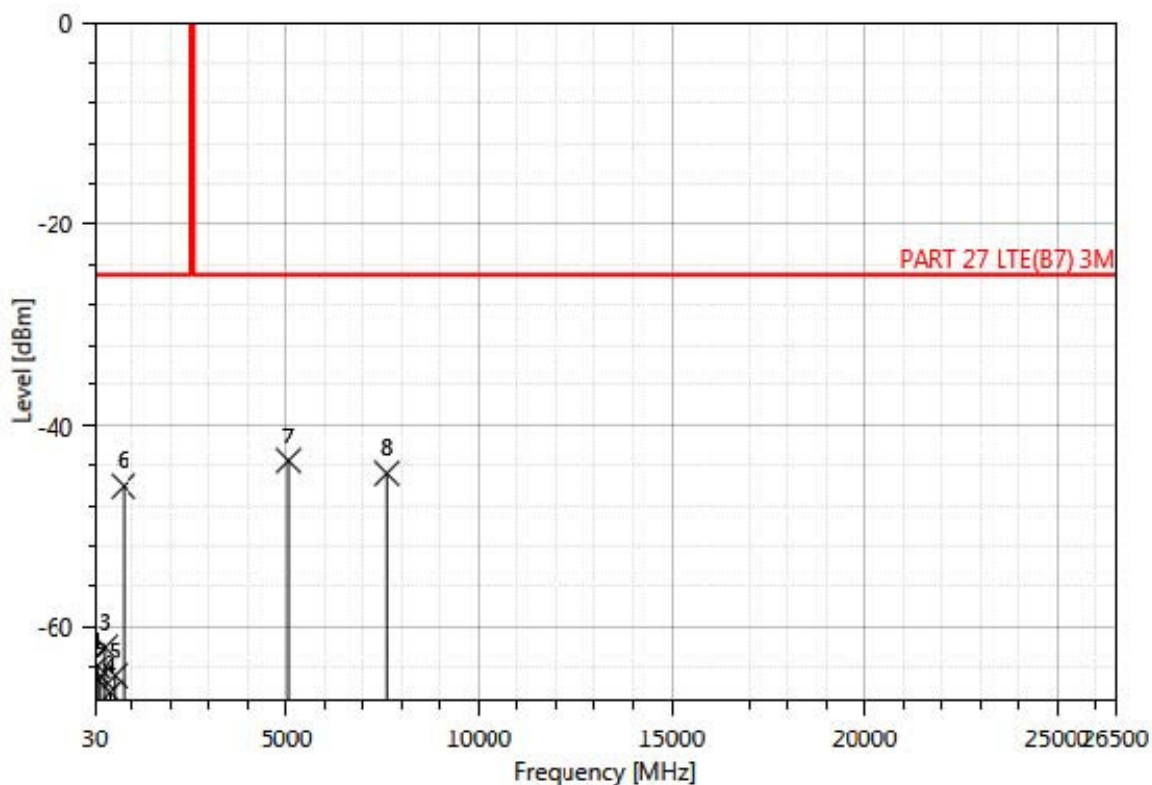
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B7	Test Date :	04/27/2016 10:42:52
Fundamental Frequency :	2535.0 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
95.96	S	Peak	-63.97	-63.73	0.99	-1.23	-25.00	-38.97
172.59	S	Peak	-64.99	-65.17	1.71	-1.53	-25.00	-39.99
287.05	S	Peak	-61.99	-65.66	5.58	-1.91	-25.00	-36.99
419.94	S	Peak	-66.54	-70.10	5.90	-2.33	-25.00	-41.54
541.19	S	Peak	-64.92	-68.10	5.78	-2.61	-25.00	-39.92
769.14	S	Peak	-46.01	-48.45	5.39	-2.96	-25.00	-21.01
5070.00	H	Peak	-43.54	-48.41	12.73	-7.86	-25.00	-18.54
7605.00	H	Peak	-44.77	-45.90	11.02	-9.89	-25.00	-19.77

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

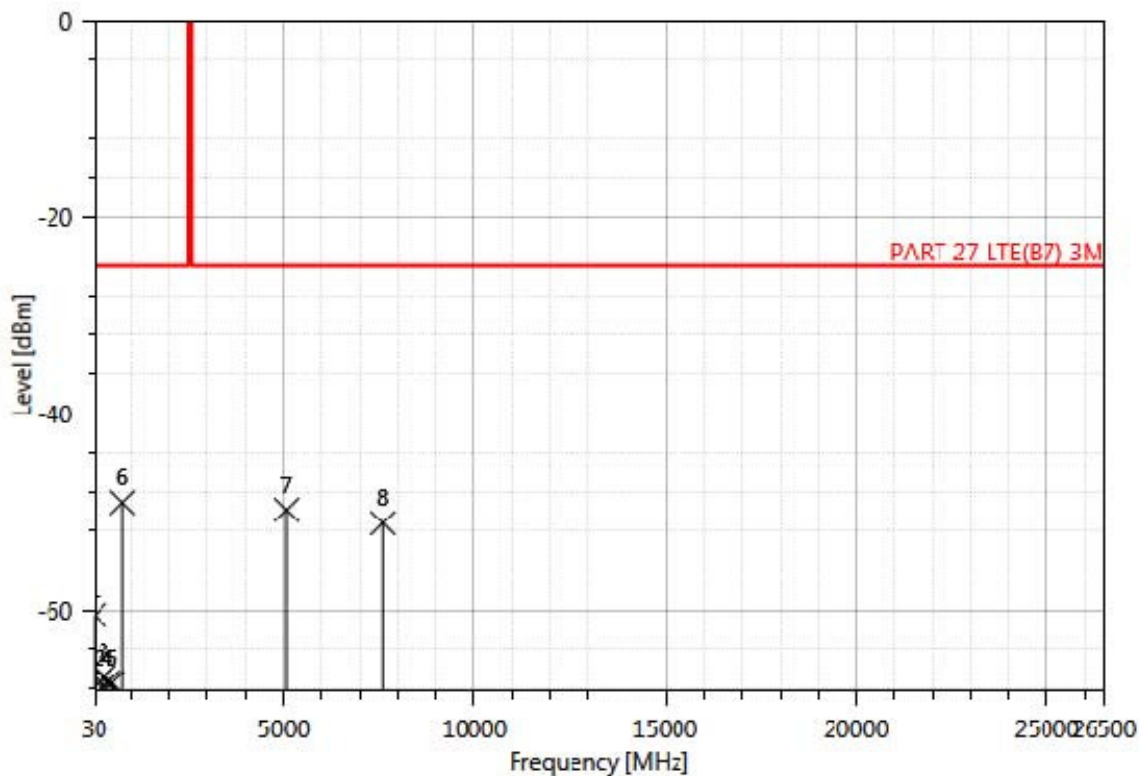
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B7	Test Date :	04/27/2016 10:43:06
Fundamental Frequency :	2535.0 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
34.85	S	Peak	-60.50	-48.01	-11.52	-0.97	-25.00	-35.50
170.65	S	Peak	-67.32	-67.16	1.36	-1.52	-25.00	-42.32
280.26	S	Peak	-66.81	-70.51	5.57	-1.88	-25.00	-41.81
384.05	S	Peak	-67.40	-71.10	5.98	-2.29	-25.00	-42.40
505.30	S	Peak	-67.45	-71.10	5.98	-2.33	-25.00	-42.45
769.14	S	Peak	-49.06	-51.49	5.39	-2.96	-25.00	-24.06
5070.00	H	Peak	-49.80	-54.67	12.73	-7.86	-25.00	-24.80
7605.00	H	Peak	-51.16	-52.29	11.02	-9.89	-25.00	-26.16

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

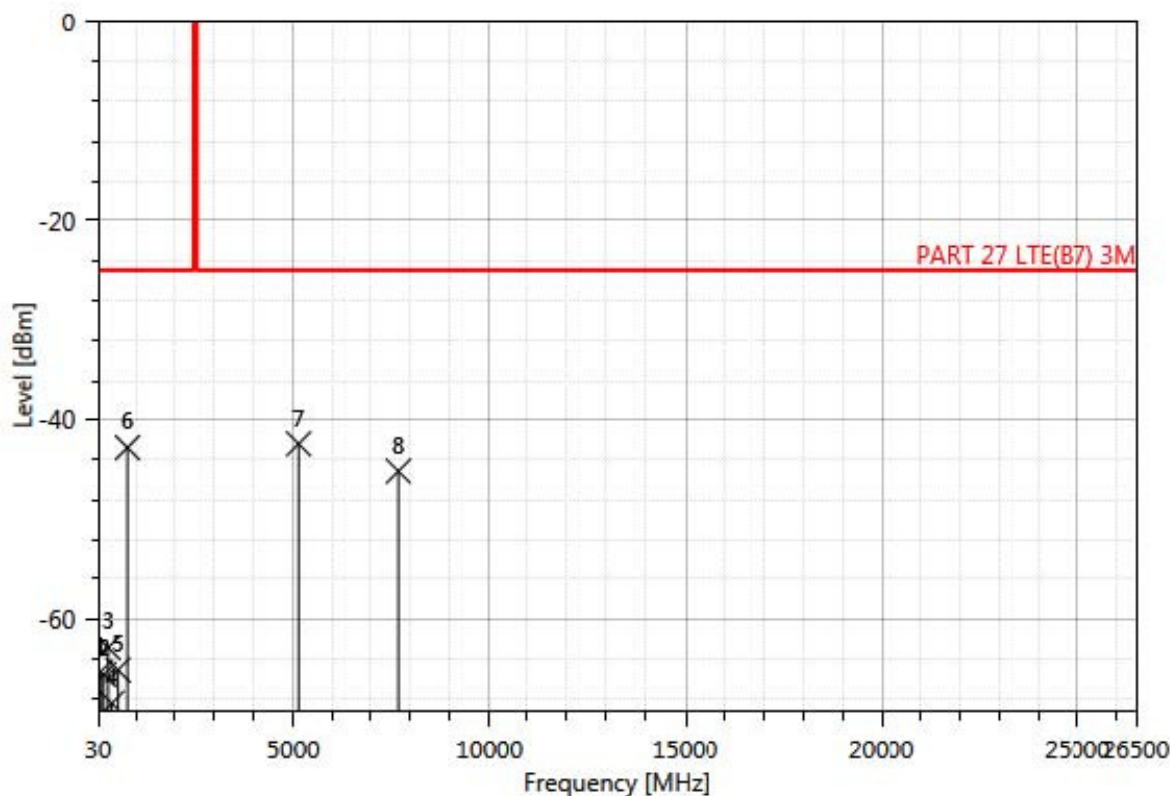
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B7	Test Date :	04/27/2016 10:43:20
Fundamental Frequency :	2567.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
93.05	S	Peak	-65.26	-65.38	1.34	-1.22	-25.00	-40.26
173.56	S	Peak	-65.55	-65.90	1.89	-1.53	-25.00	-40.55
284.14	S	Peak	-62.88	-66.56	5.58	-1.89	-25.00	-37.88
377.26	S	Peak	-68.40	-72.14	5.99	-2.24	-25.00	-43.40
532.46	S	Peak	-65.10	-68.41	5.83	-2.52	-25.00	-40.10
769.14	S	Peak	-42.82	-45.25	5.39	-2.96	-25.00	-17.82
5135.00	H	Peak	-42.43	-47.26	12.76	-7.92	-25.00	-17.43
7702.50	H	Peak	-45.15	-46.19	11.04	-10.00	-25.00	-20.15

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

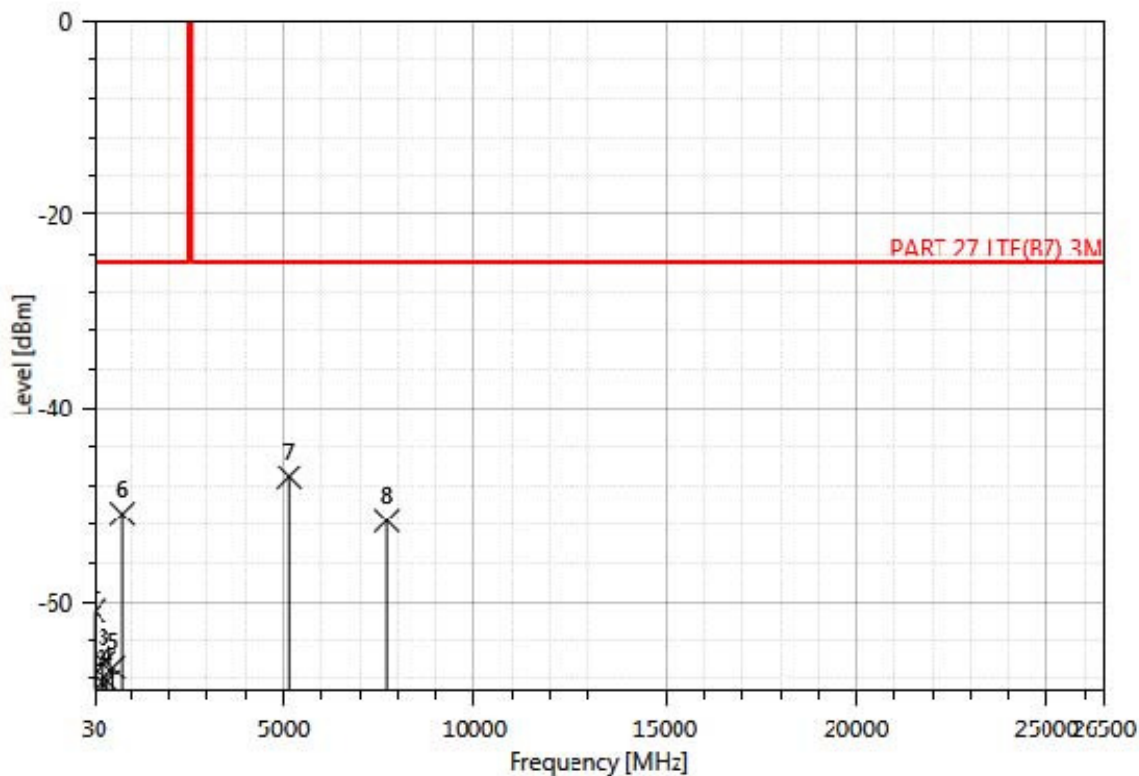
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B7	Test Date :	04/27/2016 10:43:34
Fundamental Frequency :	2567.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
36.79	S	Peak	-60.88	-48.62	-11.28	-0.98	-25.00	-35.88
216.24	S	Peak	-68.36	-72.22	5.55	-1.69	-25.00	-43.36
279.29	S	Peak	-66.26	-69.97	5.58	-1.87	-25.00	-41.26
381.14	S	Peak	-68.19	-71.91	5.99	-2.27	-25.00	-43.19
522.76	S	Peak	-66.74	-70.20	5.88	-2.42	-25.00	-41.74
769.14	S	Peak	-50.89	-53.33	5.39	-2.96	-25.00	-25.89
5135.00	H	Peak	-47.11	-51.94	12.76	-7.92	-25.00	-22.11
7702.50	H	Peak	-51.58	-52.62	11.04	-10.00	-25.00	-26.58

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

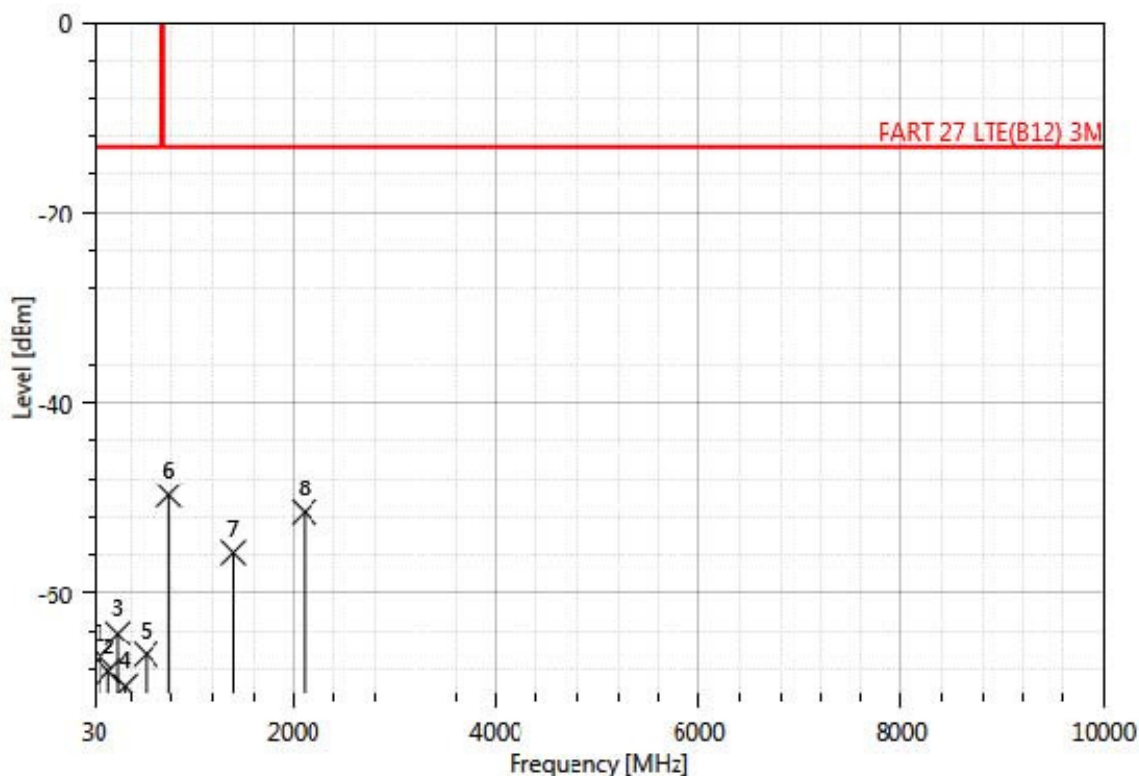
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 12 16QAM RB 1 24 (The Worst Case)

Operation Mode :	LTE B12	Test Date :	04/27/2016 11:44:27
Fundamental Frequency :	701.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
91.11	S	Peak	-66.70	-64.92	-0.57	-1.21	-13.00	-53.70
173.56	S	Peak	-68.16	-66.36	-0.26	-1.53	-13.00	-55.16
265.71	S	Peak	-64.21	-65.98	3.58	-1.80	-13.00	-51.21
337.49	S	Peak	-69.70	-71.56	3.80	-1.95	-13.00	-56.70
541.19	S	Peak	-66.44	-67.46	3.63	-2.61	-13.00	-53.44
769.14	S	Peak	-49.67	-49.96	3.24	-2.96	-13.00	-36.67
1403.00	H	Peak	-55.75	-60.14	8.29	-3.90	-13.00	-42.75
2104.50	H	Peak	-51.44	-57.15	10.51	-4.80	-13.00	-38.44

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

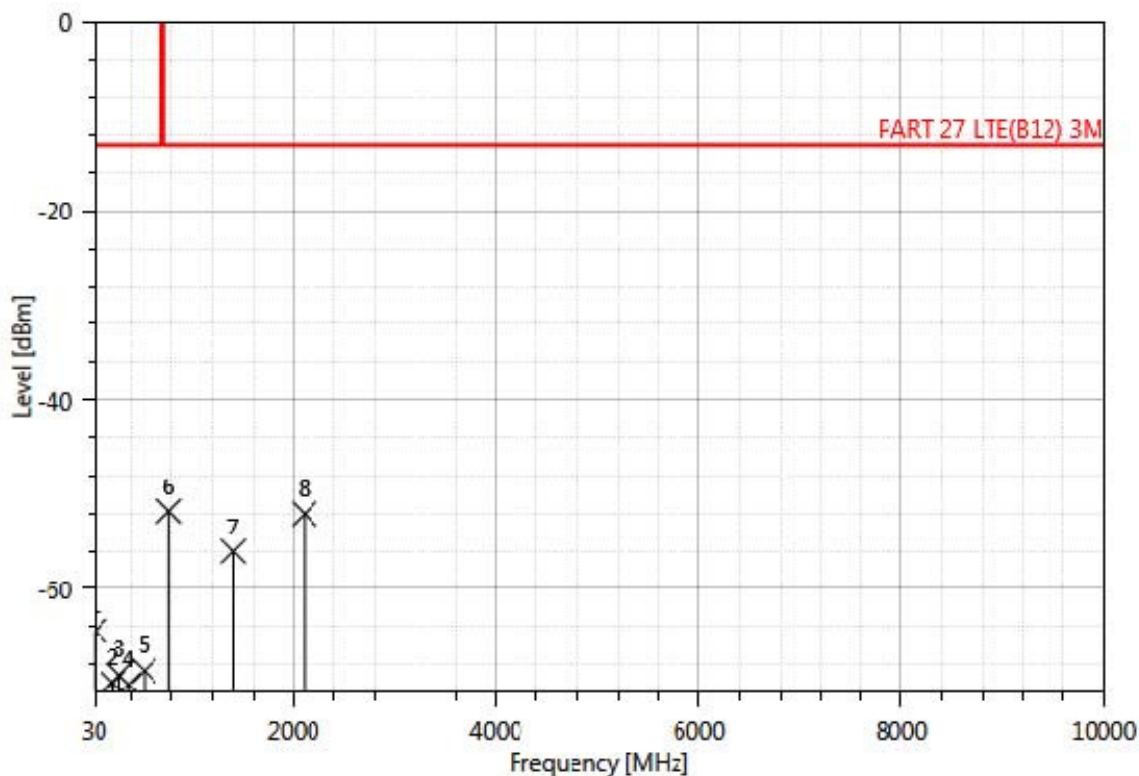
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B12	Test Date :	04/27/2016 11:44:35
Fundamental Frequency :	701.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
34.85	S	Peak	-64.44	-49.80	-13.67	-0.97	-13.00	-51.44
216.24	S	Peak	-69.96	-71.67	3.40	-1.69	-13.00	-56.96
277.35	S	Peak	-69.13	-70.71	3.45	-1.86	-13.00	-56.13
369.50	S	Peak	-70.14	-71.79	3.85	-2.20	-13.00	-57.14
522.76	S	Peak	-68.66	-69.97	3.73	-2.42	-13.00	-55.66
769.14	S	Peak	-51.78	-52.06	3.24	-2.96	-13.00	-38.78
1403.00	H	Peak	-56.04	-60.44	8.29	-3.90	-13.00	-43.04
2104.50	H	Peak	-52.06	-57.77	10.51	-4.80	-13.00	-39.06

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

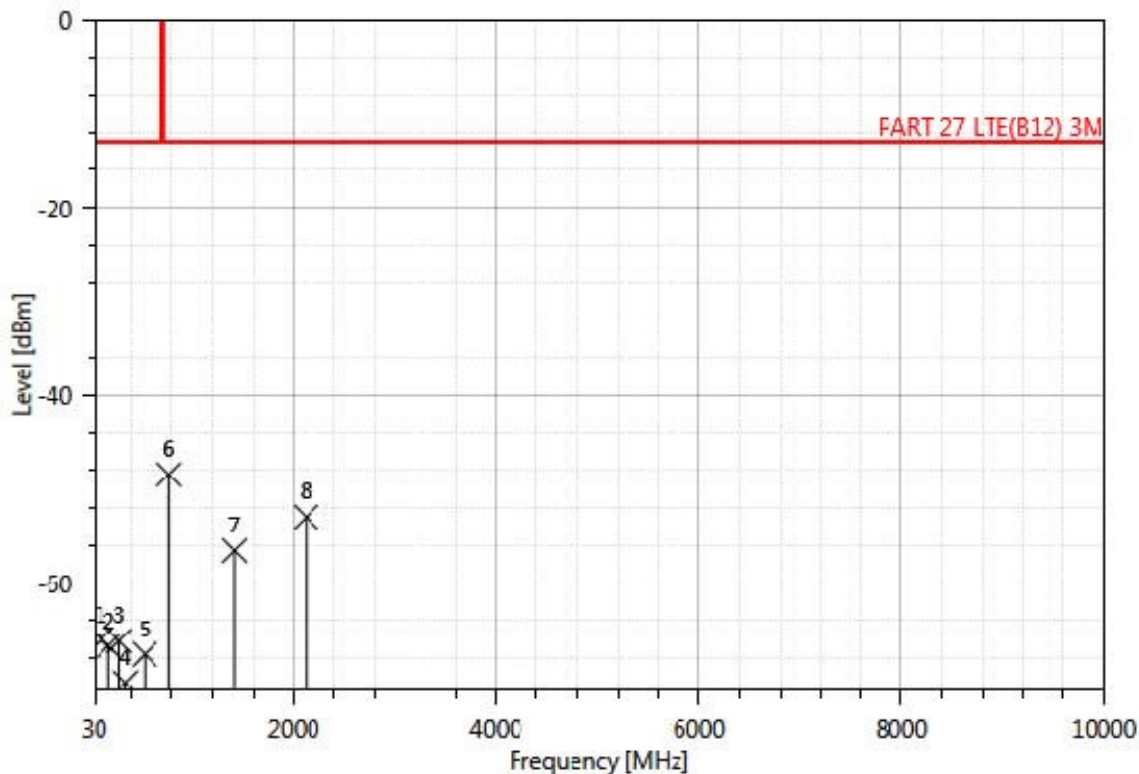
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B12	Test Date :	04/27/2016 11:44:42
Fundamental Frequency :	707.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
97.90	S	Peak	-66.04	-63.42	-1.38	-1.24	-13.00	-53.04
173.56	S	Peak	-66.68	-64.89	-0.26	-1.53	-13.00	-53.68
277.35	S	Peak	-66.19	-67.77	3.45	-1.86	-13.00	-53.19
338.46	S	Peak	-70.62	-72.47	3.81	-1.95	-13.00	-57.62
529.55	S	Peak	-67.60	-68.81	3.70	-2.49	-13.00	-54.60
769.14	S	Peak	-48.44	-48.72	3.24	-2.96	-13.00	-35.44
1415.00	H	Peak	-56.57	-60.99	8.34	-3.91	-13.00	-43.57
2122.50	H	Peak	-52.95	-58.67	10.53	-4.81	-13.00	-39.95

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

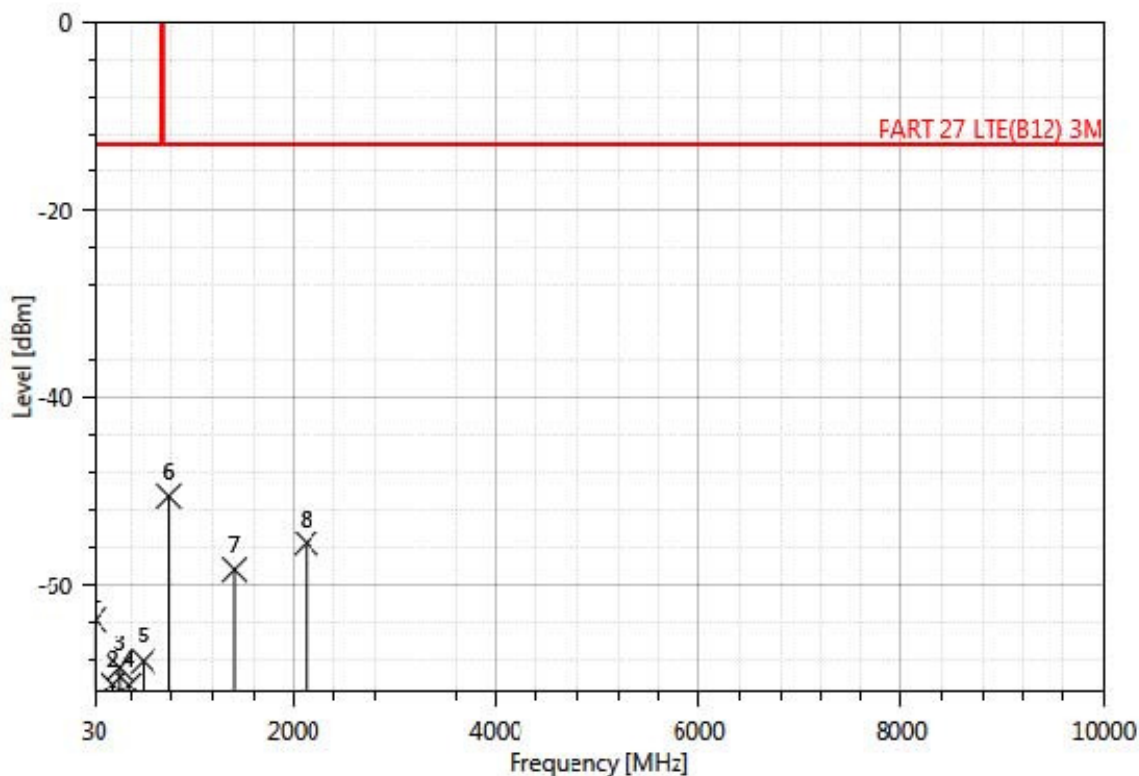
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B12	Test Date :	04/27/2016 11:44:50
Fundamental Frequency :	707.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
36.79	S	Peak	-63.63	-49.22	-13.43	-0.98	-13.00	-50.63
217.21	S	Peak	-70.49	-72.18	3.38	-1.69	-13.00	-57.49
284.14	S	Peak	-68.73	-70.26	3.43	-1.89	-13.00	-55.73
371.44	S	Peak	-70.56	-72.19	3.84	-2.21	-13.00	-57.56
513.06	S	Peak	-68.07	-69.50	3.79	-2.35	-13.00	-55.07
770.11	S	Peak	-50.54	-50.84	3.25	-2.95	-13.00	-37.54
1415.00	H	Peak	-58.28	-62.71	8.34	-3.91	-13.00	-45.28
2122.50	H	Peak	-55.53	-61.25	10.53	-4.81	-13.00	-42.53

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

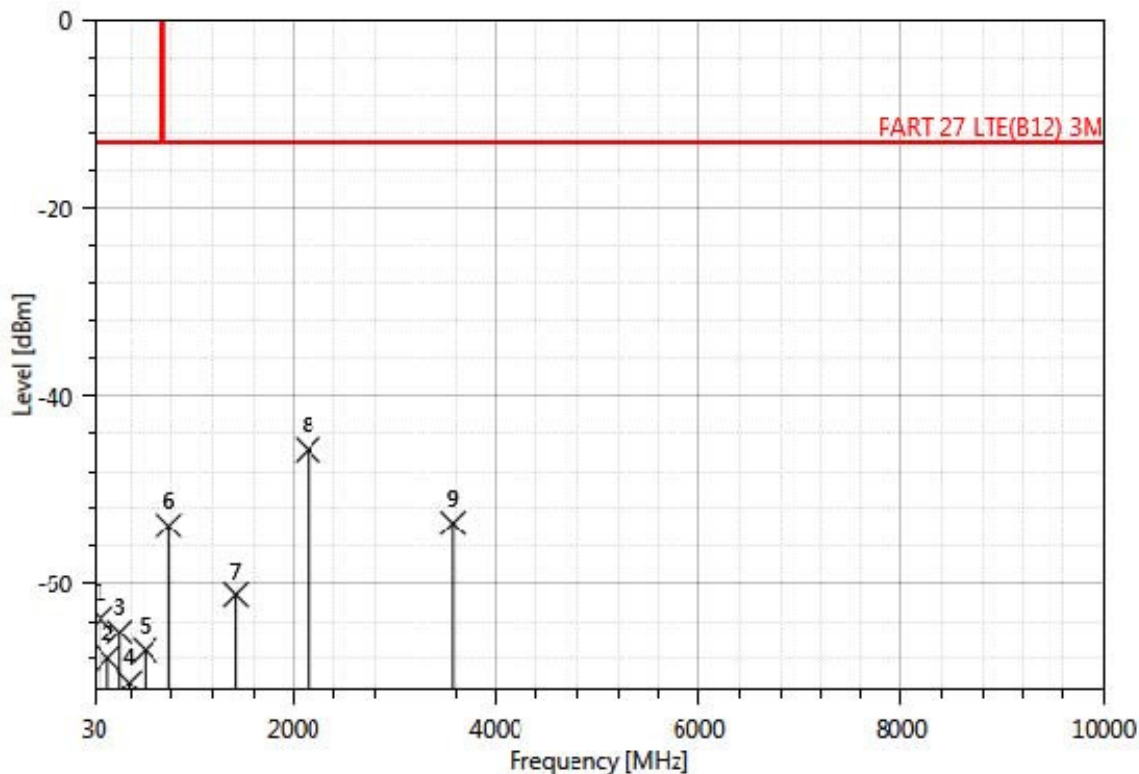
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B12	Test Date :	04/27/2016 11:44:57
Fundamental Frequency :	713.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
94.99	S	Peak	-63.72	-61.45	-1.04	-1.23	-13.00	-50.72
165.80	S	Peak	-67.95	-65.24	-1.21	-1.50	-13.00	-54.95
282.20	S	Peak	-65.15	-66.69	3.42	-1.89	-13.00	-52.15
376.29	S	Peak	-70.53	-72.13	3.84	-2.24	-13.00	-57.53
532.46	S	Peak	-67.11	-68.27	3.68	-2.52	-13.00	-54.11
769.14	S	Peak	-53.83	-54.12	3.24	-2.96	-13.00	-40.83
1427.00	H	Peak	-61.22	-65.68	8.39	-3.93	-13.00	-48.22
2140.50	H	Peak	-45.76	-51.49	10.55	-4.82	-13.00	-32.76
3567.50	H	Peak	-53.56	-59.52	12.41	-6.45	-13.00	-40.56

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

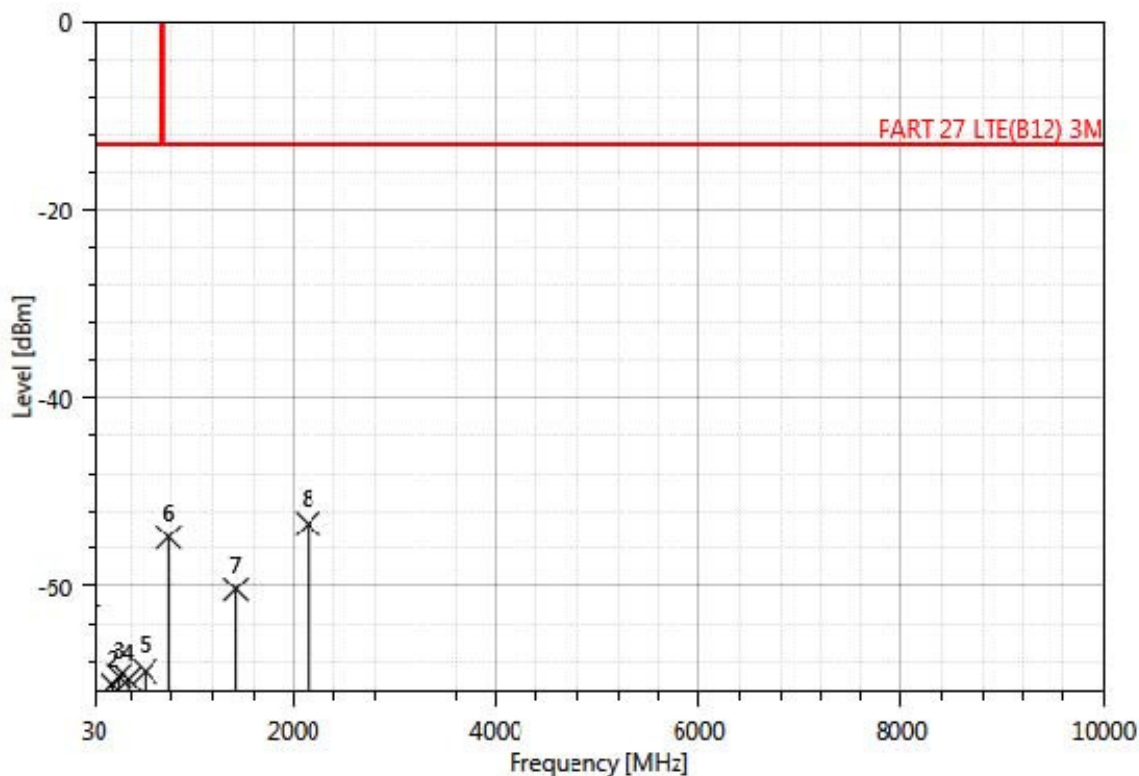
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B12	Test Date :	04/27/2016 11:45:05
Fundamental Frequency :	713.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
30.00	S	Peak	-63.95	-48.22	-14.78	-0.96	-13.00	-50.95
219.15	S	Peak	-70.47	-72.11	3.34	-1.70	-13.00	-57.47
279.29	S	Peak	-69.57	-71.13	3.43	-1.87	-13.00	-56.57
367.56	S	Peak	-69.87	-71.53	3.85	-2.18	-13.00	-56.87
532.46	S	Peak	-69.05	-70.21	3.68	-2.52	-13.00	-56.05
769.14	S	Peak	-54.80	-55.08	3.24	-2.96	-13.00	-41.80
1427.00	H	Peak	-60.35	-64.81	8.39	-3.93	-13.00	-47.35
2140.50	H	Peak	-53.37	-59.10	10.55	-4.82	-13.00	-40.37

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

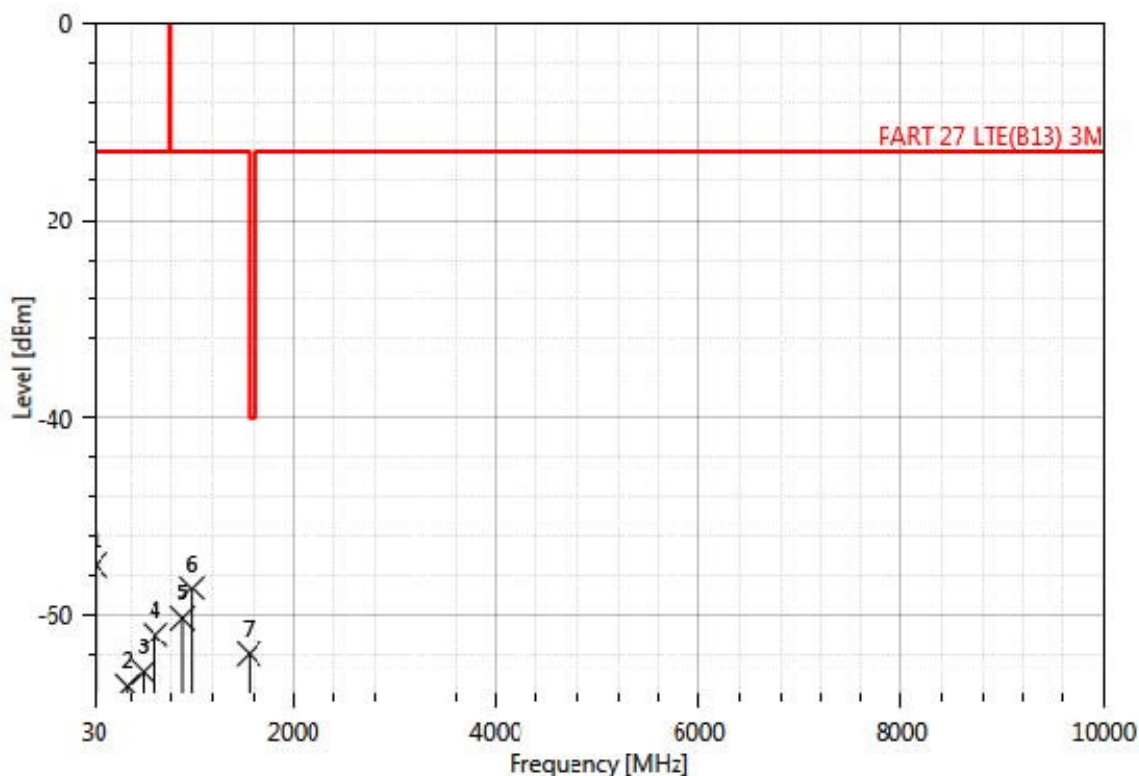
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 13 16QAM RB 1 0 (The Worst Case)

Operation Mode :	LTE B13	Test Date :	01/10/2017
Fundamental Frequency :	779.5 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	Tx CH LOW	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	
41.64	S	Peak	-54.94	-41.10	-12.83	-1.00	-13.00	-41.94
359.80	S	Peak	-67.19	-68.92	3.85	-2.12	-13.00	-54.19
515.00	S	Peak	-65.77	-67.19	3.77	-2.36	-13.00	-52.77
633.34	S	Peak	-62.05	-62.77	3.17	-2.46	-13.00	-49.05
900.09	S	Peak	-60.35	-60.32	3.26	-3.29	-13.00	-47.35
990.30	S	Peak	-57.30	-57.92	3.86	-3.24	-13.00	-44.30
1559.00	H	Peak	-63.99	-66.65	6.78	-4.12	-40.00	-23.99

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

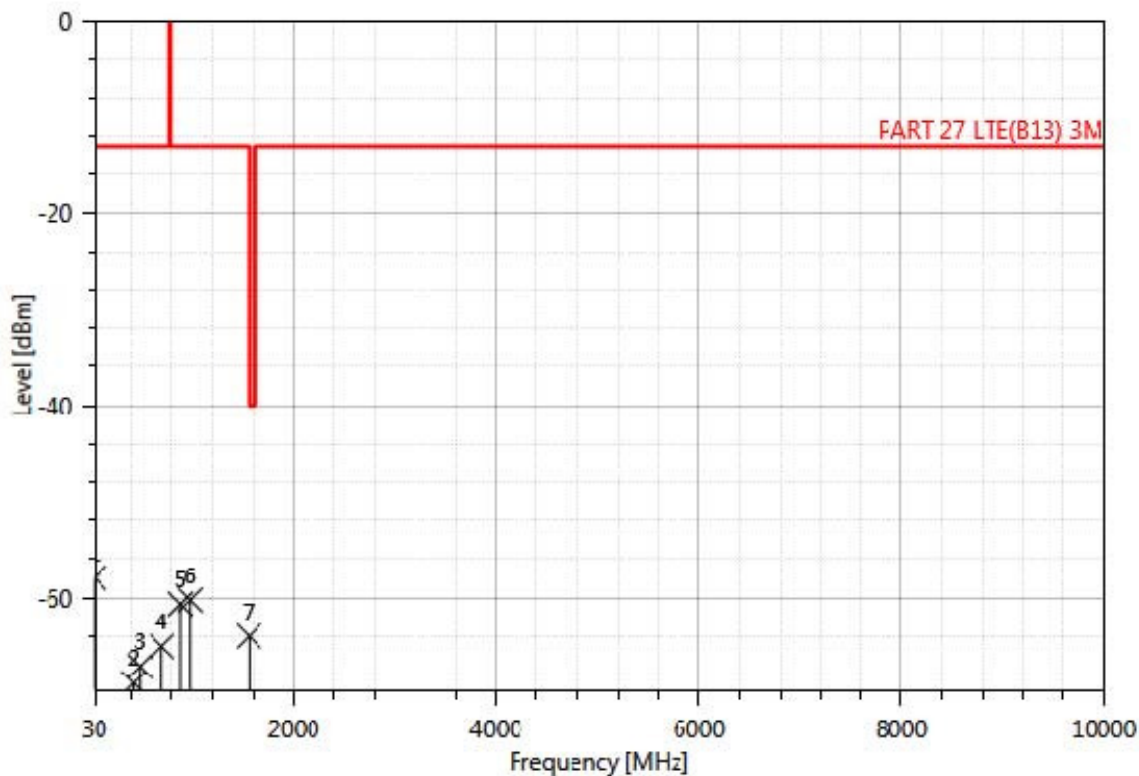
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B13	Test Date :	01/10/2017
Fundamental Frequency :	779.5 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	Tx CH LOW	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
31.94	S	Peak	-57.94	-42.66	-14.31	-0.96	-13.00	-44.94
418.00	S	Peak	-68.87	-70.28	3.76	-2.35	-13.00	-55.87
479.11	S	Peak	-67.14	-68.67	3.77	-2.24	-13.00	-54.14
697.36	S	Peak	-65.07	-65.23	3.08	-2.93	-13.00	-52.07
880.69	S	Peak	-60.65	-60.67	3.27	-3.24	-13.00	-47.65
973.81	S	Peak	-60.23	-60.58	3.52	-3.18	-13.00	-47.23
1559.00	H	Peak	-64.02	-66.67	6.78	-4.12	-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 www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

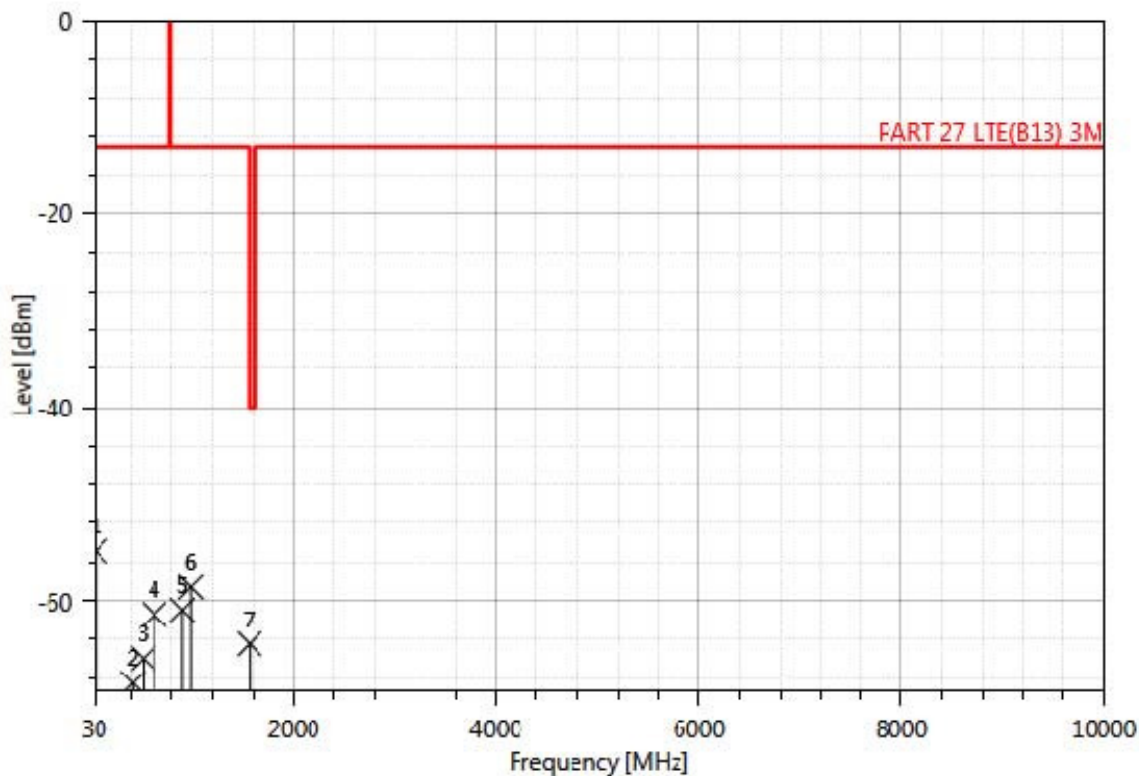
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B13	Test Date :	01/10/2017
Fundamental Frequency :	782 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	Tx CH MID	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
41.64	S	Peak	-54.84	-41.00	-12.83	-1.00	-13.00	-41.84
410.24	S	Peak	-68.52	-69.91	3.78	-2.40	-13.00	-55.52
513.06	S	Peak	-65.97	-67.41	3.79	-2.35	-13.00	-52.97
623.64	S	Peak	-61.41	-62.09	3.19	-2.52	-13.00	-48.41
898.15	S	Peak	-60.98	-60.95	3.26	-3.29	-13.00	-47.98
980.60	S	Peak	-58.60	-59.07	3.66	-3.20	-13.00	-45.60
1564.00	H	Peak	-64.45	-67.12	6.80	-4.13	-40.00	-24.45

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

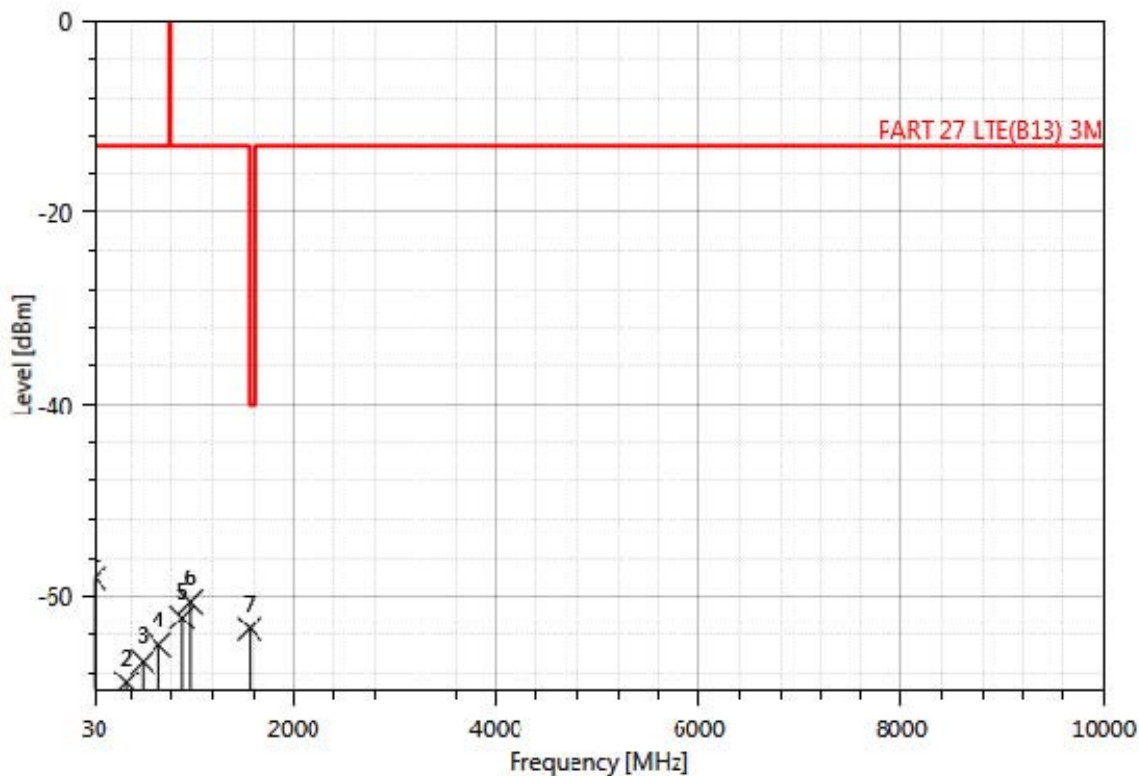
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B13	Test Date :	01/10/2017
Fundamental Frequency :	782 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	Tx CH MID	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
31.94	S	Peak	-58.13	-42.85	-14.31	-0.96	-13.00	-45.13
348.16	S	Peak	-69.06	-70.88	3.85	-2.03	-13.00	-56.06
510.15	S	Peak	-66.80	-68.26	3.80	-2.34	-13.00	-53.80
670.20	S	Peak	-65.10	-65.78	3.12	-2.44	-13.00	-52.10
896.21	S	Peak	-62.23	-62.20	3.27	-3.29	-13.00	-49.23
975.75	S	Peak	-60.59	-60.97	3.56	-3.18	-13.00	-47.59
1564.00	H	Peak	-63.39	-66.06	6.80	-4.13	-40.00	-23.39

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

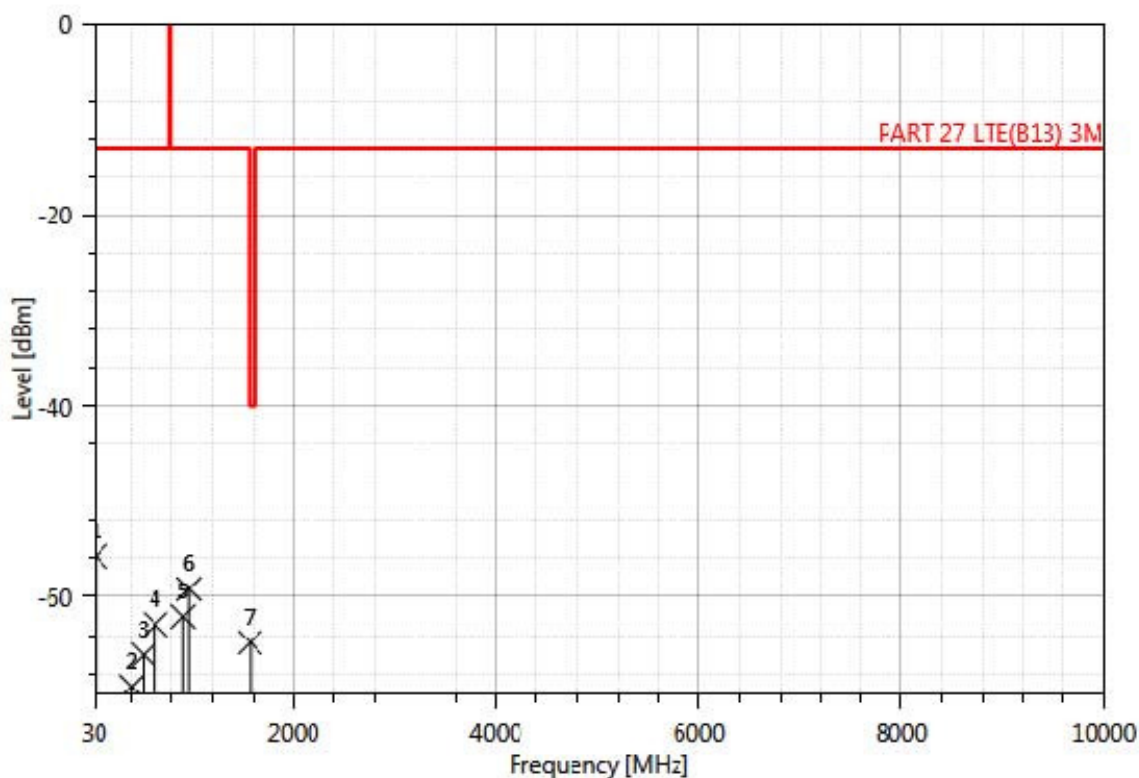
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B13	Test Date :	01/10/2017
Fundamental Frequency :	784.5 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
41.64	S	Peak	-55.77	-41.94	-12.83	-1.00	-13.00	-42.77
398.60	S	Peak	-69.38	-70.83	3.82	-2.37	-13.00	-56.38
515.00	S	Peak	-66.08	-67.50	3.77	-2.36	-13.00	-53.08
634.31	S	Peak	-62.87	-63.59	3.17	-2.45	-13.00	-49.87
905.91	S	Peak	-62.04	-62.00	3.24	-3.28	-13.00	-49.04
961.20	S	Peak	-59.17	-59.30	3.27	-3.13	-13.00	-46.17
1569.00	H	Peak	-64.78	-67.45	6.82	-4.14	-40.00	-24.78

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

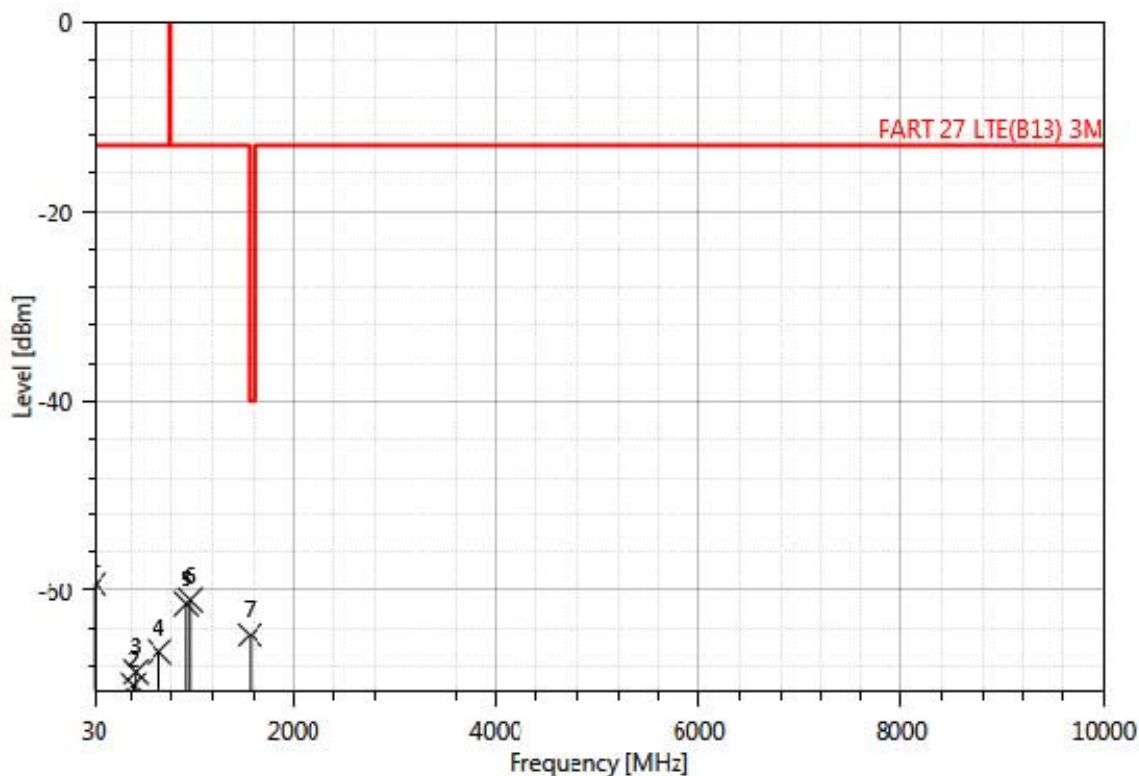
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B13	Test Date :	01/10/2017
Fundamental Frequency :	784.5 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
31.94	S	Peak	-59.31	-44.03	-14.31	-0.96	-13.00	-46.31
415.09	S	Peak	-69.92	-71.32	3.77	-2.37	-13.00	-56.92
439.34	S	Peak	-68.55	-70.02	3.68	-2.21	-13.00	-55.55
672.14	S	Peak	-66.52	-67.16	3.11	-2.47	-13.00	-53.52
936.95	S	Peak	-61.43	-61.30	3.09	-3.22	-13.00	-48.43
973.81	S	Peak	-61.04	-61.39	3.52	-3.18	-13.00	-48.04
1569.00	H	Peak	-64.69	-67.37	6.82	-4.14	-40.00	-24.69

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

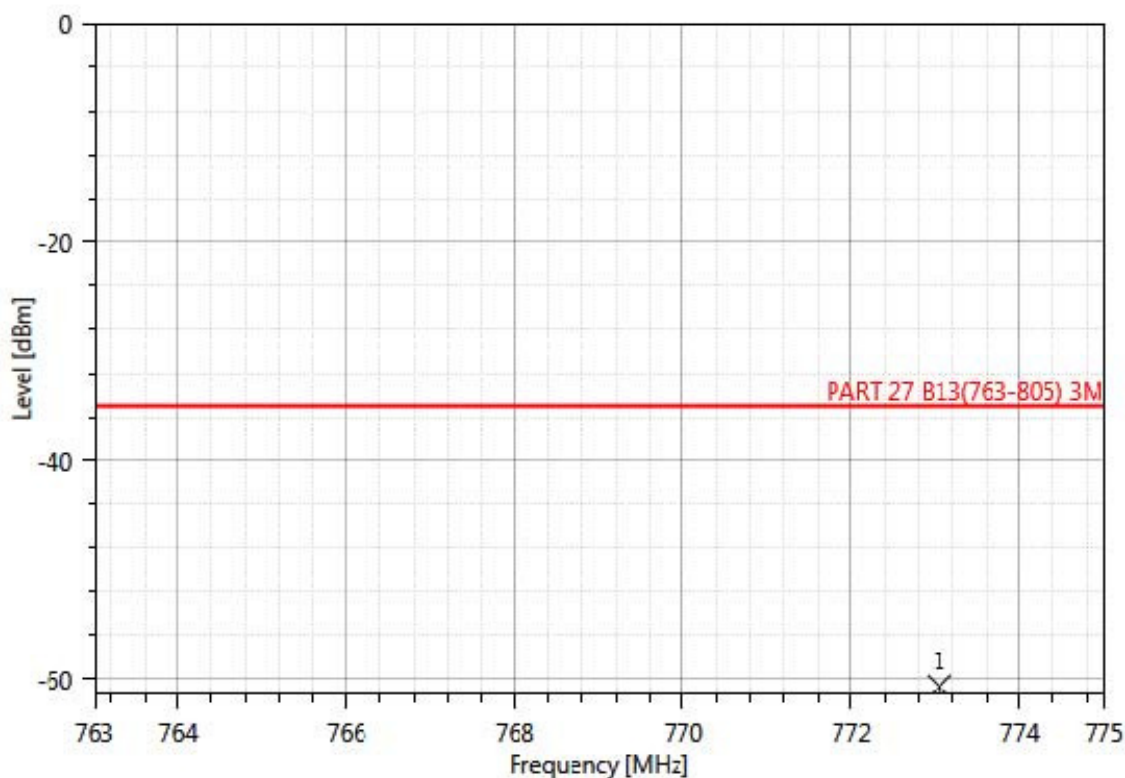
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 13(763MHz-775MHz)

Operation Mode :	LTE B13	Test Date :	01/10/2017
Fundamental Frequency :	779.5 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	Tx CH LOW	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
773.04	S	Peak	-60.72	-61.04	3.26	-2.93	-35.00	-25.72

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

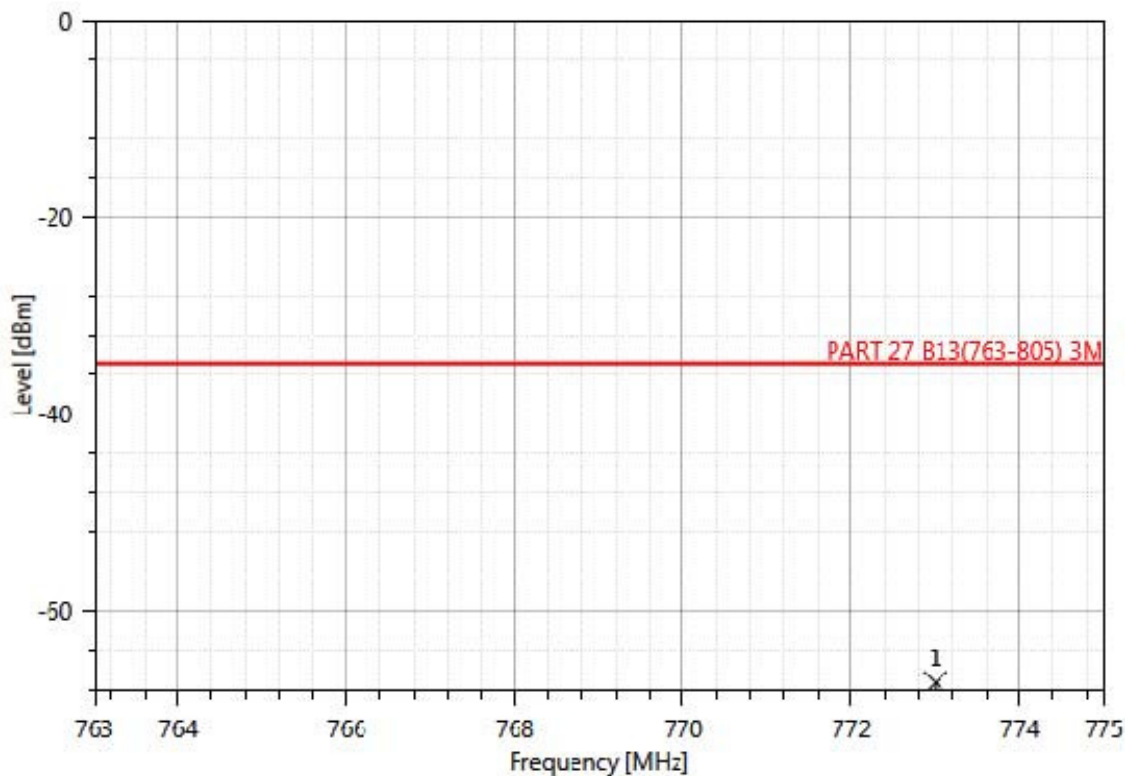
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B13	Test Date :	01/10/2017
Fundamental Frequency :	779.5 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	Tx CH LOW	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
773.00	S	Peak	-67.40	-67.72	3.26	-2.93	-35.00	-32.40

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

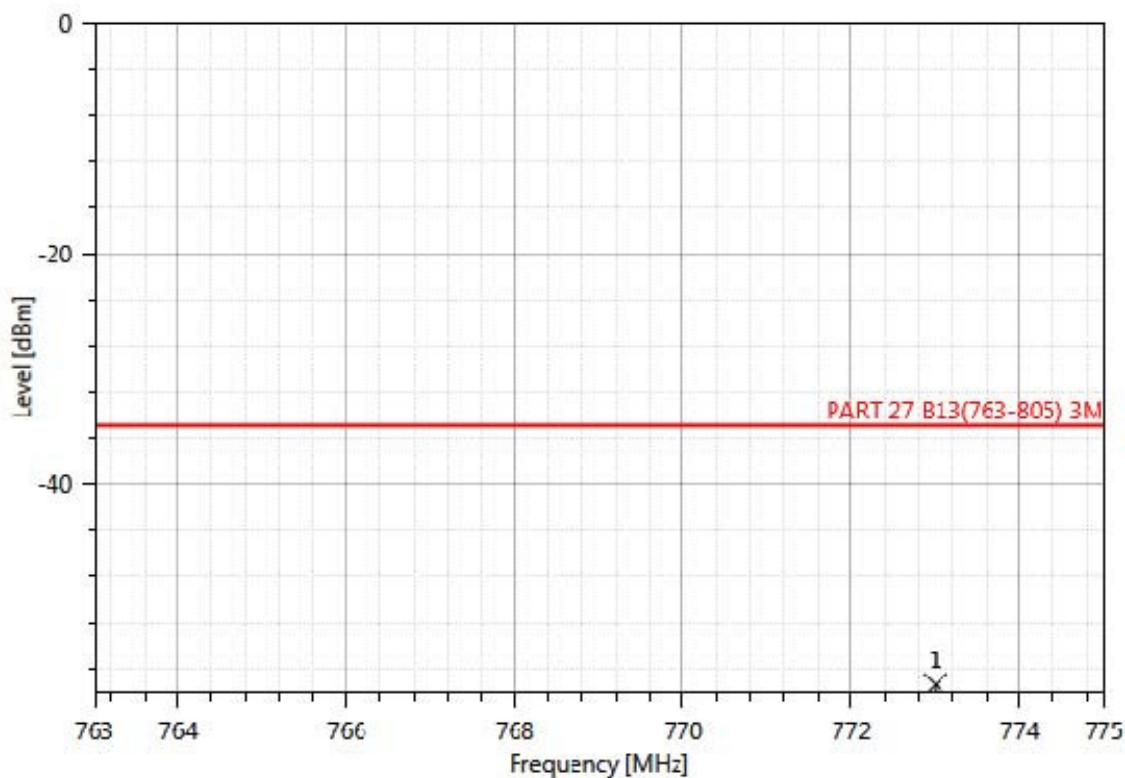
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B13	Test Date :	01/10/2017
Fundamental Frequency :	782 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	Tx CH MID	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
773.00	S	Peak	-57.49	-57.81	3.26	-2.93	-35.00	-22.49

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

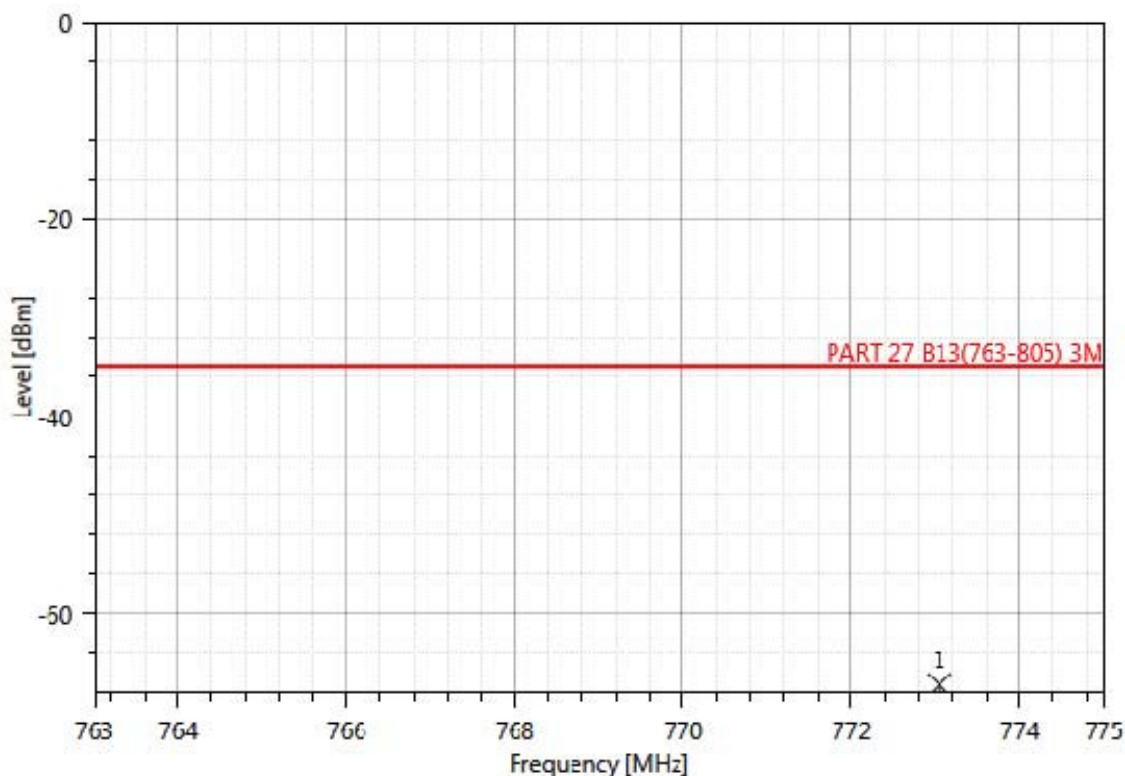
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B13	Test Date :	01/10/2017
Fundamental Frequency :	782 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	Tx CH MID	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
773.04	S	Peak	-67.27	-67.59	3.26	-2.93	-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 www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

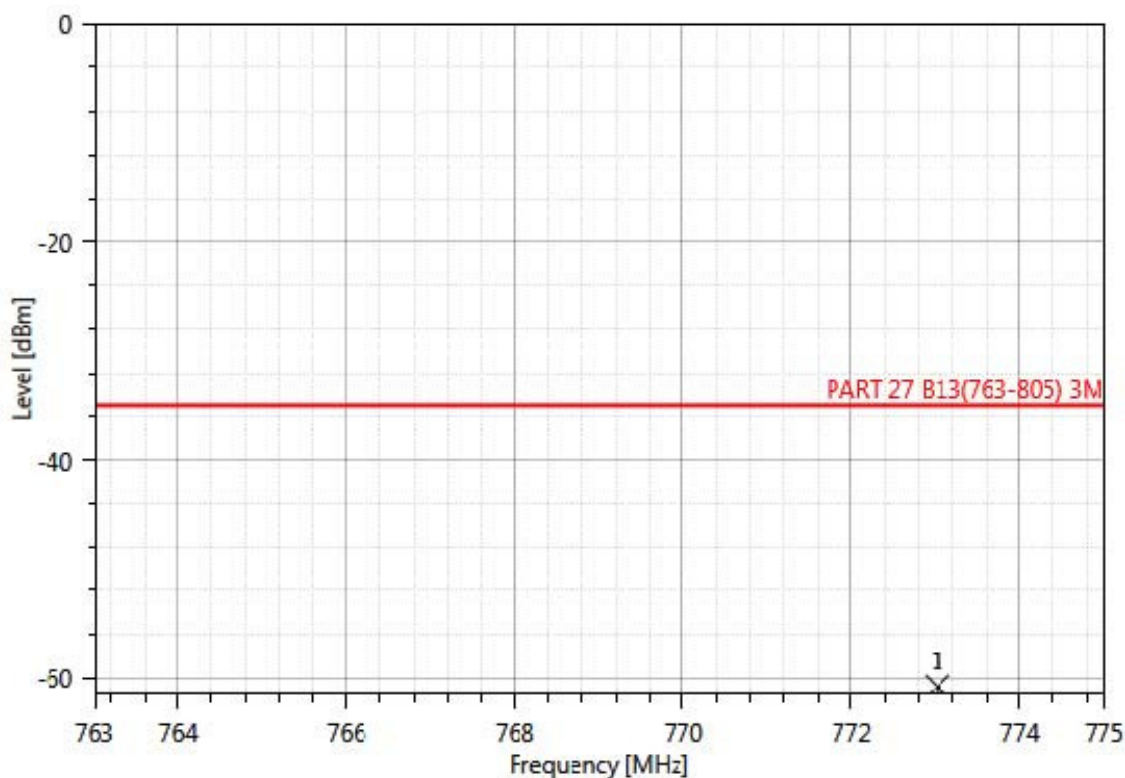
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B13	Test Date :	01/10/2017
Fundamental Frequency :	784.5 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
773.02	S	Peak	-60.81	-61.13	3.26	-2.93	-35.00	-25.81

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

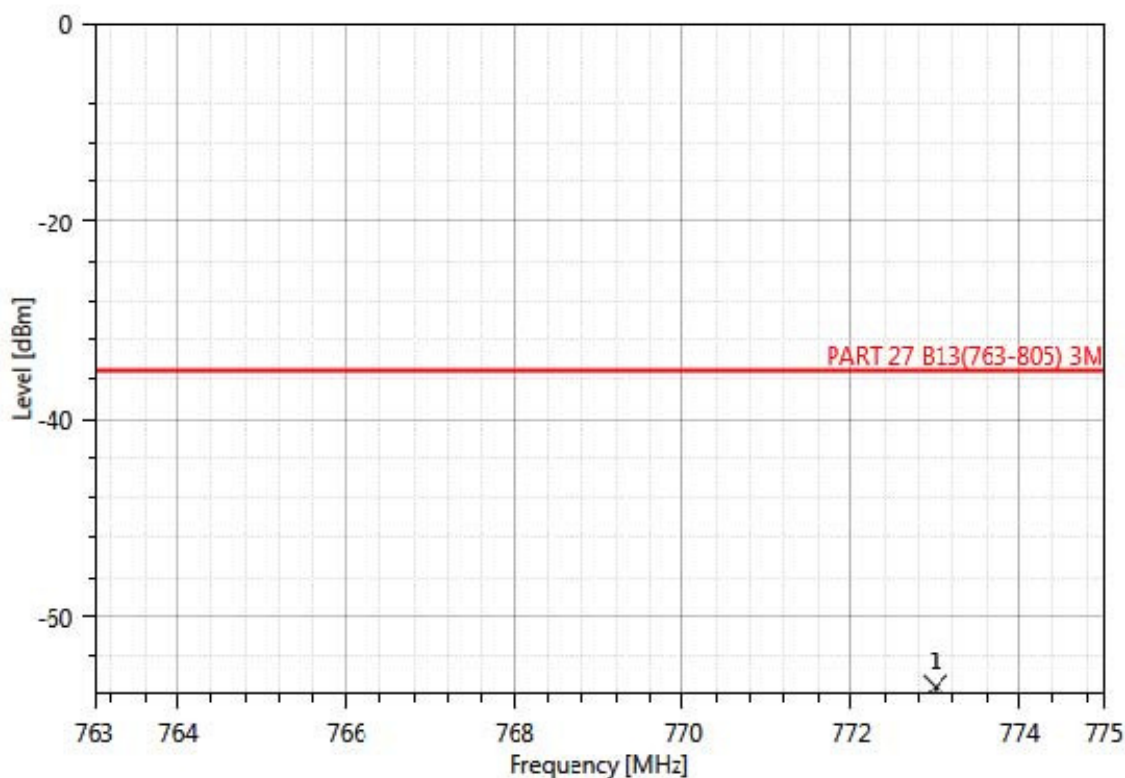
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B13	Test Date :	01/10/2017
Fundamental Frequency :	784.5 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
773.00	S	Peak	-67.06	-67.38	3.26	-2.93	-35.00	-32.06

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

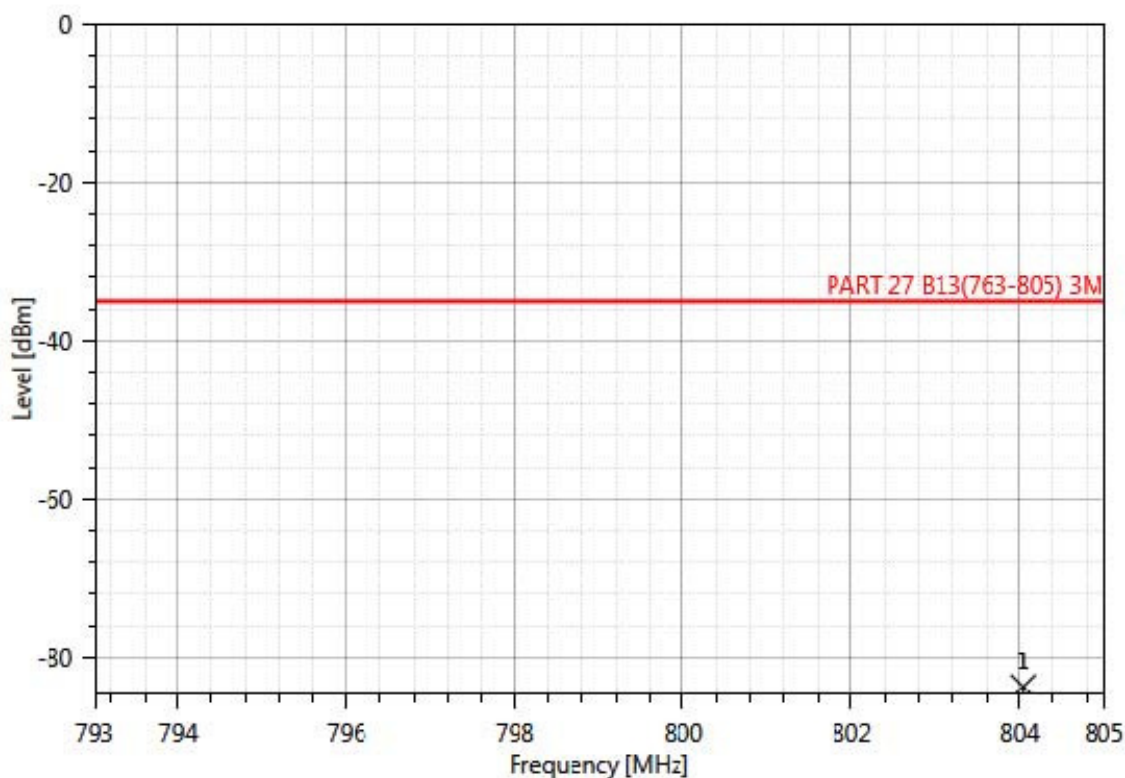
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 13(793MHz-805MHz)

Operation Mode :	LTE B13	Test Date :	01/10/2017
Fundamental Frequency :	779.5 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	Tx CH LOW	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
804.04	S	Peak	-83.66	-84.10	3.34	-2.90	-35.00	-48.66

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

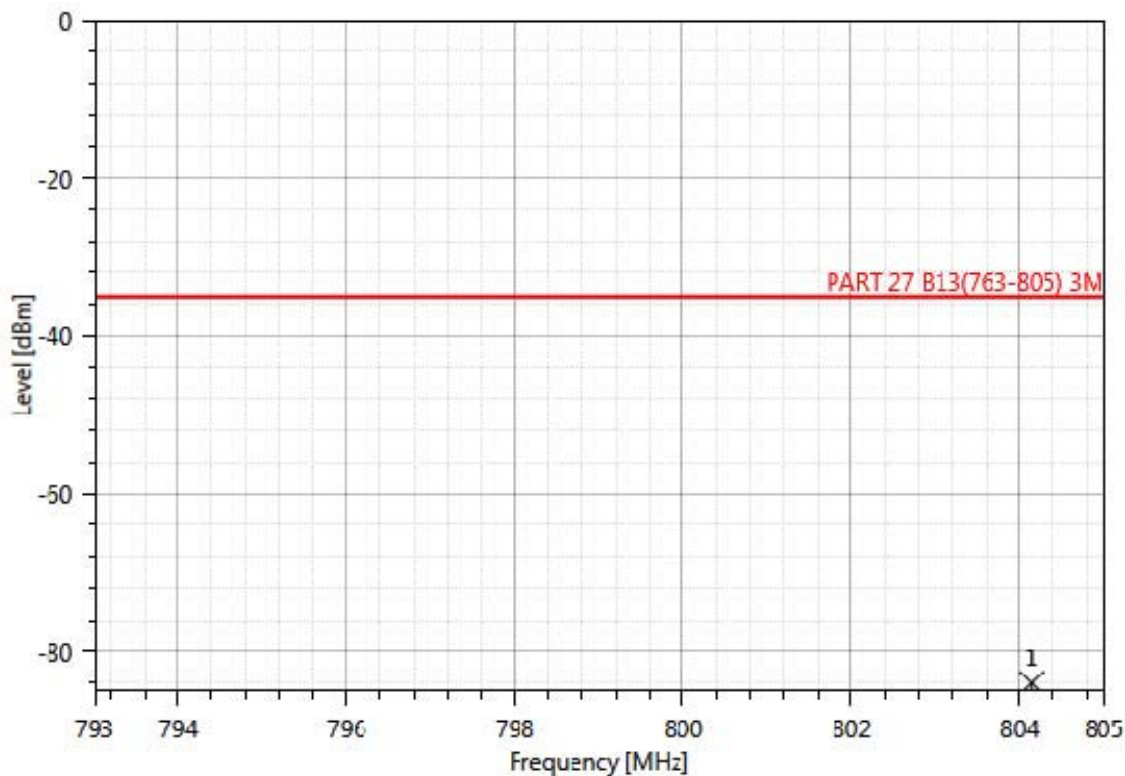
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B13	Test Date :	01/10/2017
Fundamental Frequency :	779.5 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	Tx CH LOW	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	
804.14	S	Peak	-84.05	-84.49	3.34	-2.90	-35.00	-49.05

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

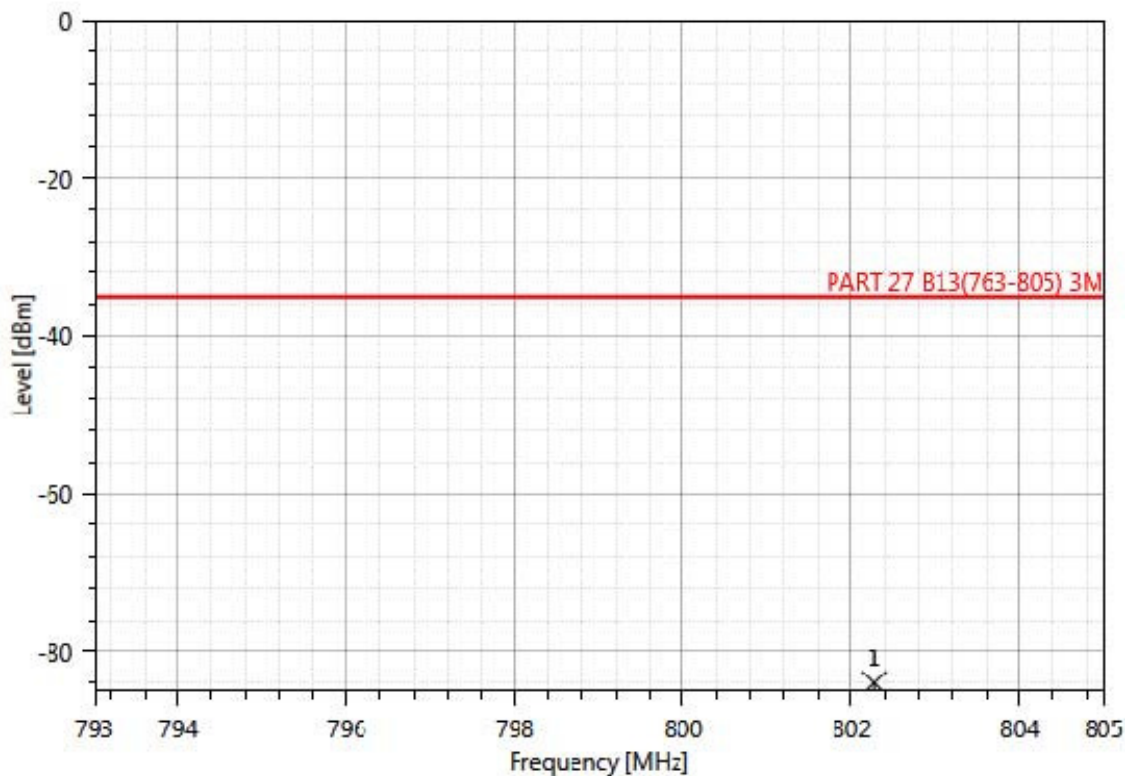
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B13	Test Date :	01/10/2017
Fundamental Frequency :	782 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	Tx CH MID	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
		Mode	Level	Level	Gain	Loss	@3m	
MHz	F/H/E/S	QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
802.26	S	Peak	-84.02	-84.46	3.34	-2.90	-35.00	-49.02

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

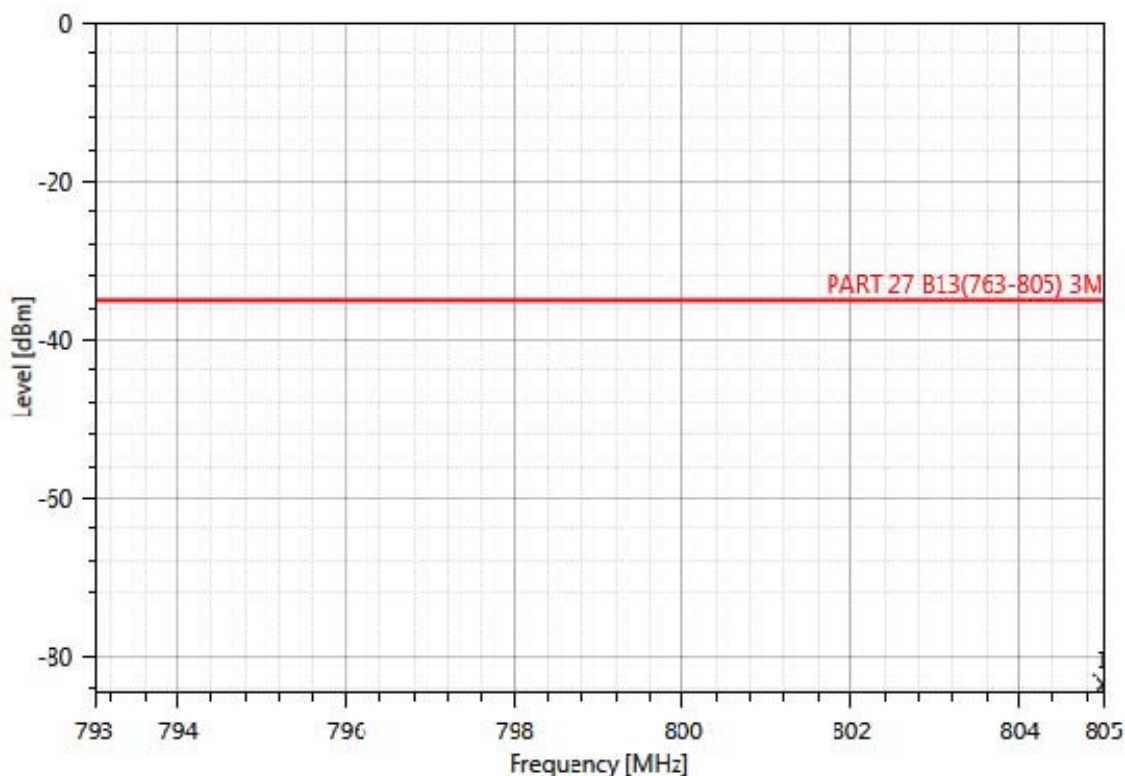
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B13	Test Date :	01/10/2017
Fundamental Frequency :	782 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	Tx CH MID	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	
805.00	S	Peak	-83.66	-84.10	3.33	-2.89	-35.00	-48.66

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

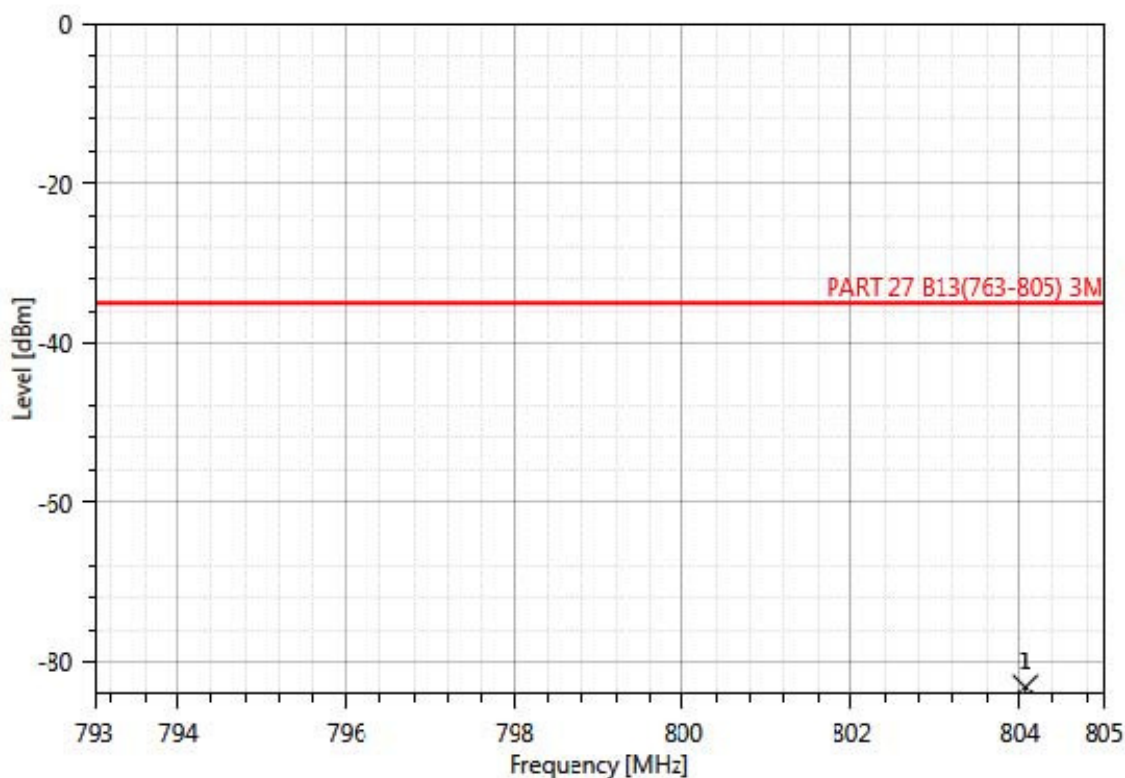
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B13	Test Date :	01/10/2017
Fundamental Frequency :	784.5 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
804.06	S	Peak	-83.13	-83.57	3.34	-2.90	-35.00	-48.13

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

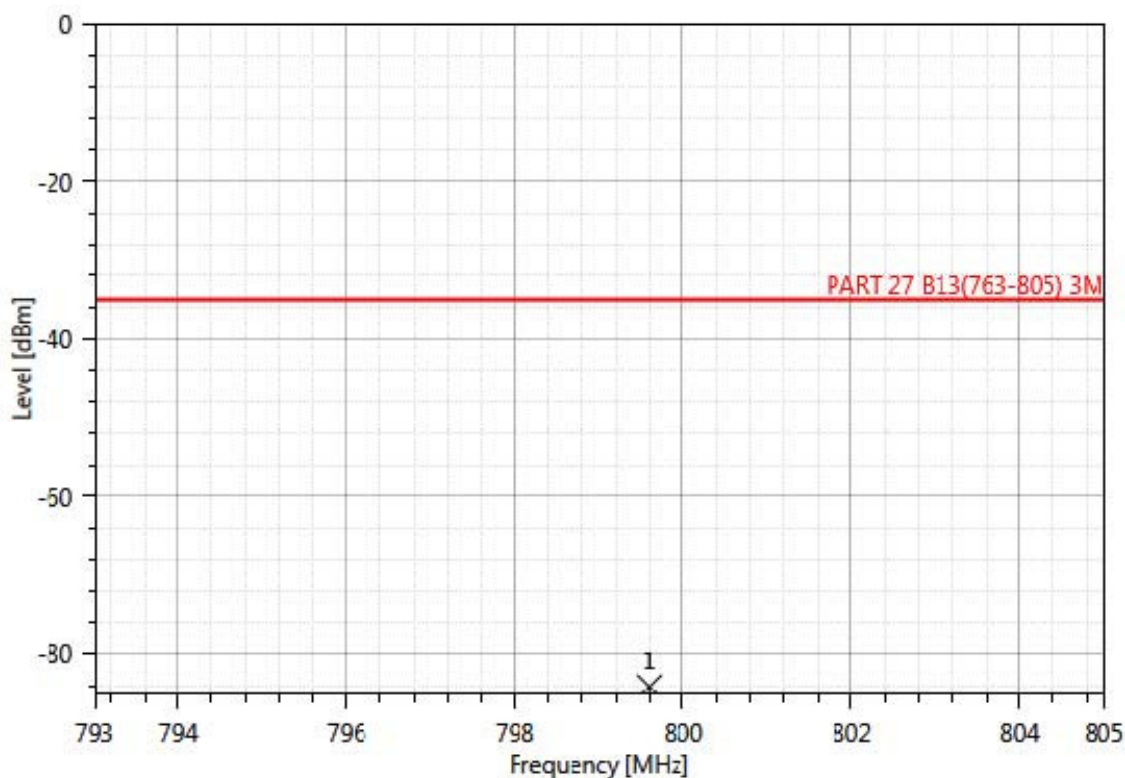
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B13	Test Date :	01/10/2017
Fundamental Frequency :	784.5 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
799.60	S	Peak	-84.12	-84.56	3.34	-2.90	-35.00	-49.12

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

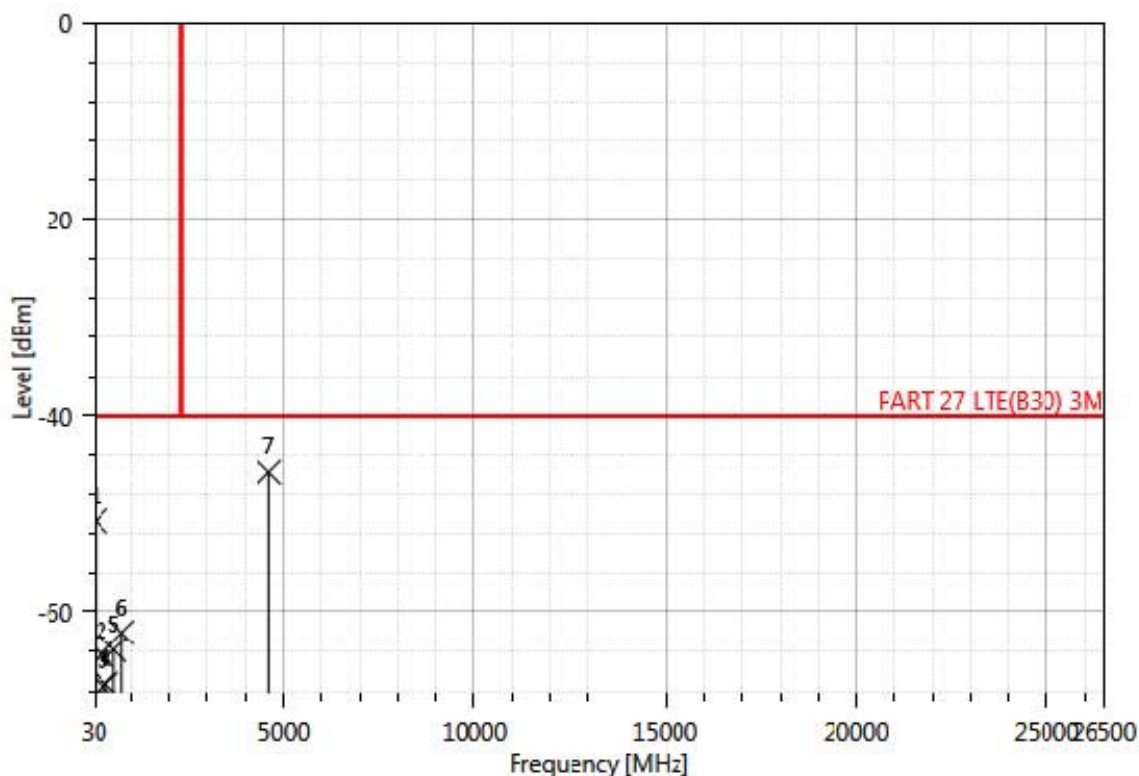
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 30 QPSK RB 1 0 (The Worst Case)

Operation Mode :	LTE B30	Test Date :	05/13/2016 14:50:22
Fundamental Frequency :	2307.5 MHz	Temp. / Humi. :	22 deg_C / 61 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	
61.04	S	Peak	-50.67	-41.14	-8.44	-1.09	-40.00	-10.67
212.36	S	Peak	-64.32	-66.11	3.48	-1.68	-40.00	-24.32
246.31	S	Peak	-67.49	-69.13	3.38	-1.75	-40.00	-27.49
335.55	S	Peak	-67.29	-69.15	3.80	-1.93	-40.00	-27.29
547.01	S	Peak	-63.86	-64.79	3.60	-2.67	-40.00	-23.86
747.80	S	Peak	-62.09	-62.18	3.18	-3.09	-40.00	-22.09
4615.00	H	Peak	-45.70	-50.97	12.70	-7.43	-40.00	-5.70

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

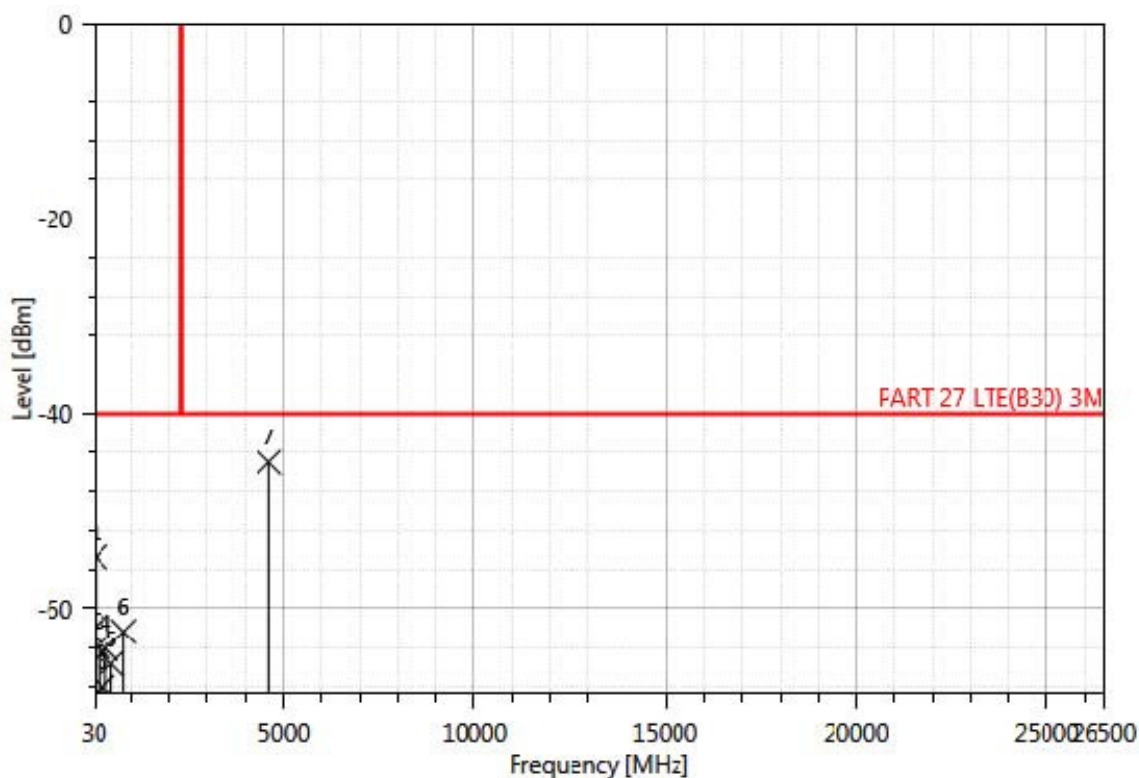
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B30	Test Date :	05/13/2016 14:50:35
Fundamental Frequency :	2307.5 MHz	Temp. / Humi. :	22 deg_C / 61 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	
59.10	S	Peak	-54.74	-44.69	-8.97	-1.08	-40.00	-14.74
143.49	S	Peak	-63.91	-60.02	-2.48	-1.41	-40.00	-23.91
250.19	S	Peak	-68.03	-69.71	3.44	-1.76	-40.00	-28.03
335.55	S	Peak	-64.10	-65.96	3.80	-1.93	-40.00	-24.10
479.11	S	Peak	-65.66	-67.19	3.77	-2.24	-40.00	-25.66
798.24	S	Peak	-62.39	-62.83	3.34	-2.90	-40.00	-22.39
4615.00	H	Peak	-44.95	-50.22	12.70	-7.43	-40.00	-4.95

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

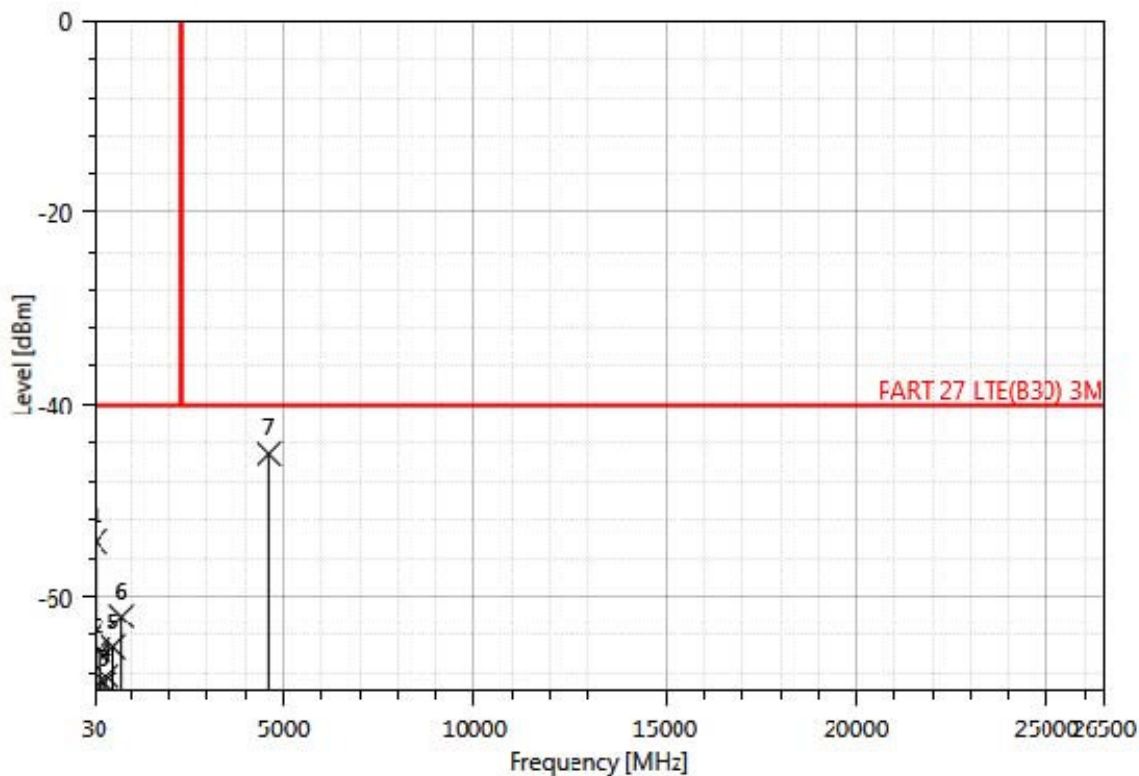
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B30	Test Date :	05/13/2016 14:50:47
Fundamental Frequency :	2310 MHz	Temp. / Humi. :	22 deg_C / 61 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
61.04	S	Peak	-54.26	-44.73	-8.44	-1.09	-40.00	-14.26
143.49	S	Peak	-65.55	-61.66	-2.48	-1.41	-40.00	-25.55
293.84	S	Peak	-69.00	-70.57	3.50	-1.94	-40.00	-29.00
345.25	S	Peak	-68.26	-70.09	3.84	-2.01	-40.00	-28.26
526.64	S	Peak	-65.24	-66.49	3.71	-2.46	-40.00	-25.24
745.86	S	Peak	-62.05	-62.12	3.17	-3.10	-40.00	-22.05
4620.00	H	Peak	-45.07	-50.34	12.70	-7.44	-40.00	-5.07

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

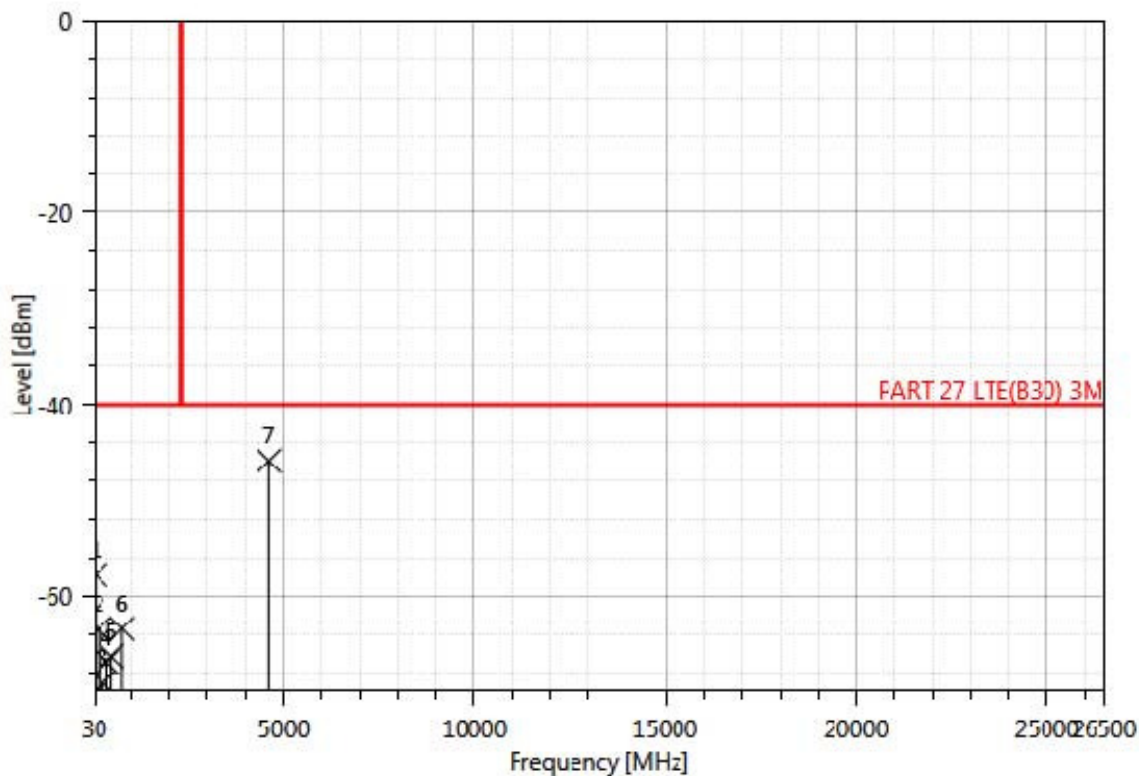
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B30	Test Date :	05/13/2016 14:51:00
Fundamental Frequency :	2310 MHz	Temp. / Humi. :	22 deg_C / 61 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	
61.04	S	Peak	-57.77	-48.24	-8.44	-1.09	-40.00	-17.77
144.46	S	Peak	-63.44	-59.60	-2.43	-1.41	-40.00	-23.44
260.86	S	Peak	-69.05	-70.93	3.66	-1.78	-40.00	-29.05
367.56	S	Peak	-66.86	-68.52	3.85	-2.18	-40.00	-26.86
481.05	S	Peak	-66.24	-67.78	3.78	-2.24	-40.00	-26.24
759.44	S	Peak	-63.38	-63.57	3.21	-3.02	-40.00	-23.38
4620.00	H	Peak	-45.87	-51.13	12.70	-7.44	-40.00	-5.87

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

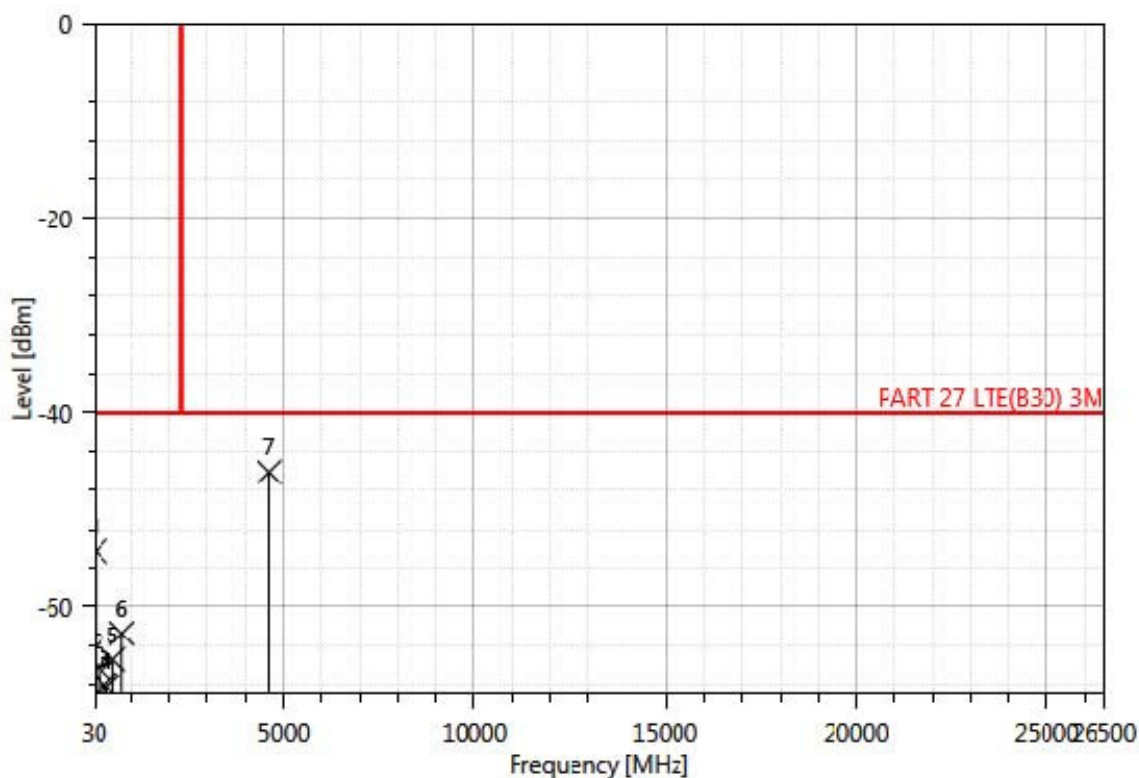
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B30	Test Date :	05/13/2016 14:51:29
Fundamental Frequency :	2312.5 MHz	Temp. / Humi. :	22 deg_C / 61 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
61.04	S	Peak	-54.32	-44.79	-8.44	-1.09	-40.00	-14.32
140.58	S	Peak	-66.18	-62.13	-2.66	-1.40	-40.00	-26.18
298.69	S	Peak	-68.04	-69.69	3.60	-1.95	-40.00	-28.04
367.56	S	Peak	-68.21	-69.88	3.85	-2.18	-40.00	-28.21
519.85	S	Peak	-65.44	-66.80	3.75	-2.39	-40.00	-25.44
752.65	S	Peak	-62.74	-62.87	3.19	-3.06	-40.00	-22.74
4625.00	H	Peak	-46.11	-51.37	12.70	-7.44	-40.00	-6.11

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

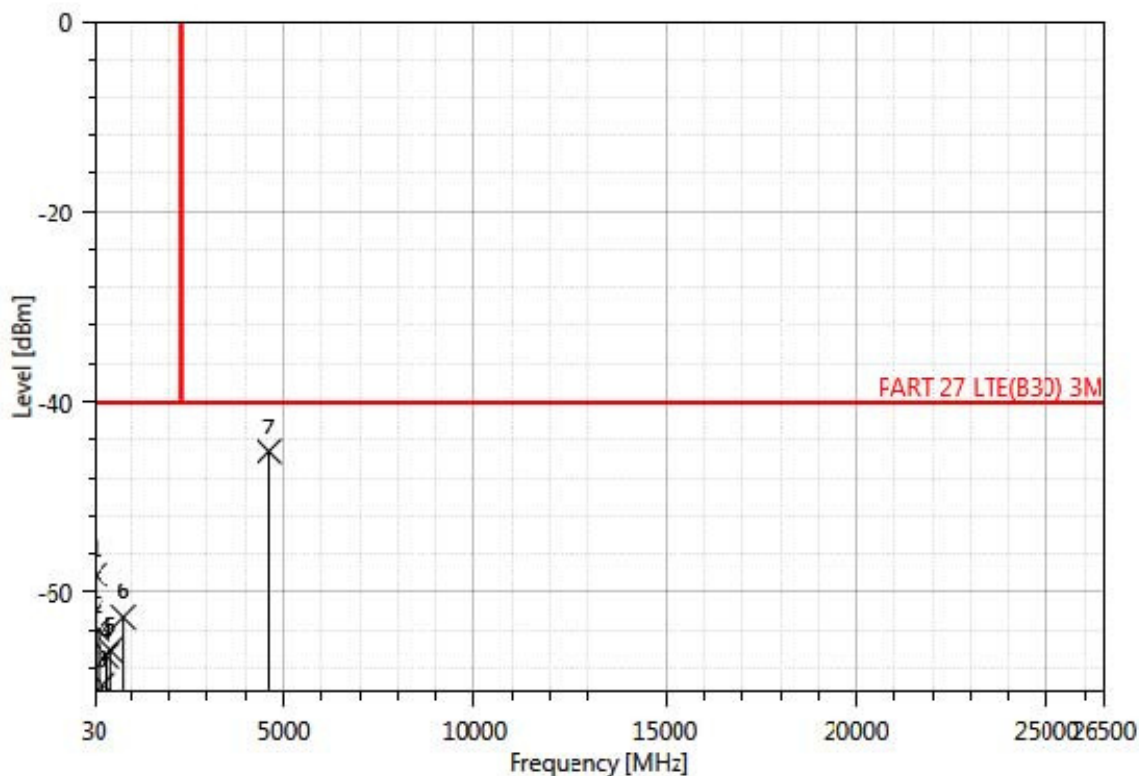
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B30	Test Date :	05/13/2016 14:51:55
Fundamental Frequency :	2312.5 MHz	Temp. / Humi. :	22 deg_C / 61 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
61.04	S	Peak	-58.11	-48.58	-8.44	-1.09	-40.00	-18.11
131.85	S	Peak	-63.87	-59.85	-2.65	-1.37	-40.00	-23.87
255.04	S	Peak	-69.64	-71.43	3.56	-1.76	-40.00	-29.64
366.59	S	Peak	-66.64	-68.31	3.85	-2.17	-40.00	-26.64
458.74	S	Peak	-66.04	-67.52	3.68	-2.20	-40.00	-26.04
793.39	S	Peak	-62.54	-62.95	3.32	-2.90	-40.00	-22.54
4625.00	H	Peak	-45.14	-50.40	12.70	-7.44	-40.00	-5.14

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

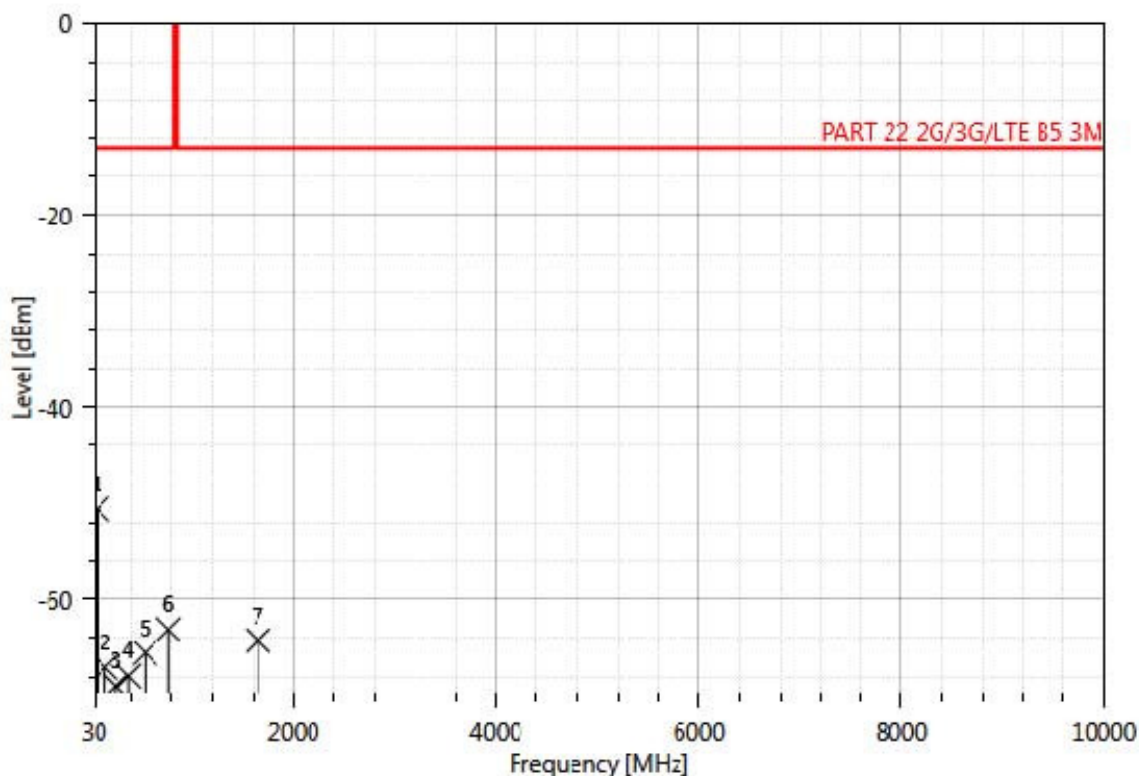
www.tw.sgs.com

Member of SGS Group

10.6. Measurement Result (Wireless Charging Mode):

Radiated Spurious Emission Measurement Result: GSM 850 Mode

Operation Mode :	GSM 850	Test Date :	05/04/2016 09:39:37
Fundamental Frequency :	824.2 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	
59.10	S	Peak	-50.57	-40.52	-8.97	-1.08	-13.00	-37.57
140.58	S	Peak	-67.06	-63.00	-2.66	-1.40	-13.00	-54.06
245.34	S	Peak	-68.98	-70.60	3.37	-1.75	-13.00	-55.98
367.56	S	Peak	-67.96	-69.62	3.85	-2.18	-13.00	-54.96
531.49	S	Peak	-65.57	-66.74	3.69	-2.51	-13.00	-52.57
765.26	S	Peak	-63.13	-63.38	3.23	-2.98	-13.00	-50.13
1648.40	H	Peak	-64.29	-67.17	7.11	-4.22	-13.00	-51.29

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

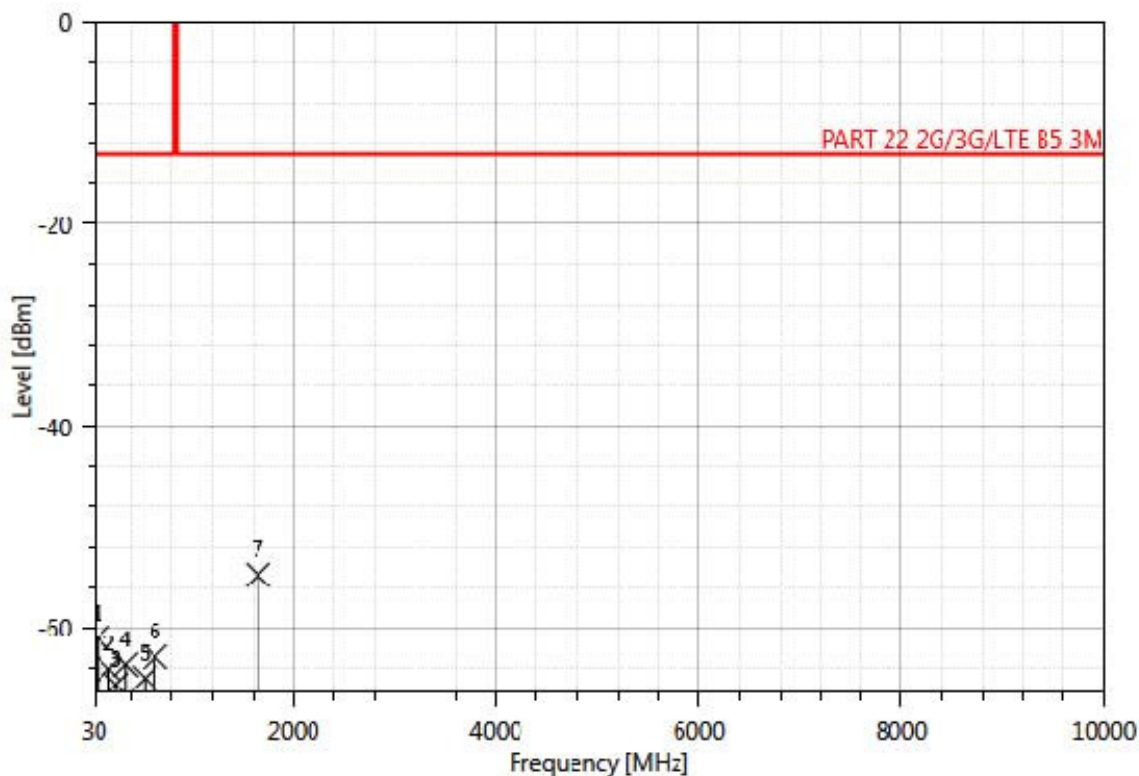
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	GSM 850	Test Date :	05/04/2016 09:39:45
Fundamental Frequency :	824.2 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
62.01	S	Peak	-60.98	-51.74	-8.15	-1.09	-13.00	-47.98
177.44	S	Peak	-64.05	-62.94	0.44	-1.55	-13.00	-51.05
246.31	S	Peak	-65.59	-67.22	3.38	-1.75	-13.00	-52.59
340.40	S	Peak	-63.61	-65.46	3.82	-1.97	-13.00	-50.61
529.55	S	Peak	-64.95	-66.16	3.70	-2.49	-13.00	-51.95
631.40	S	Peak	-62.86	-63.57	3.18	-2.46	-13.00	-49.86
1648.40	H	Peak	-54.73	-57.62	7.11	-4.22	-13.00	-41.73

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

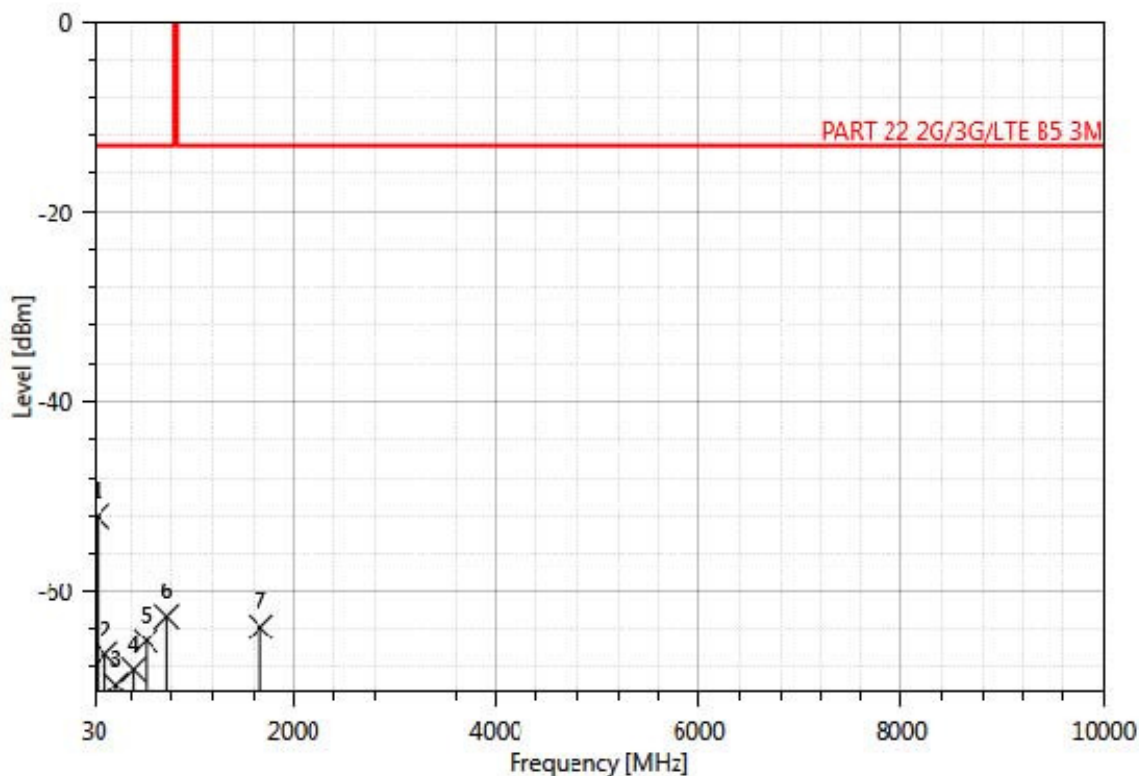
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	GSM 850	Test Date :	05/04/2016 09:39:52
Fundamental Frequency :	836.6 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
62.01	S	Peak	-52.08	-42.84	-8.15	-1.09	-13.00	-39.08
139.61	S	Peak	-66.68	-62.60	-2.70	-1.39	-13.00	-53.68
246.31	S	Peak	-69.85	-71.48	3.38	-1.75	-13.00	-56.85
418.00	S	Peak	-68.25	-69.66	3.76	-2.35	-13.00	-55.25
541.19	S	Peak	-65.26	-66.29	3.63	-2.61	-13.00	-52.26
749.74	S	Peak	-62.68	-62.78	3.18	-3.08	-13.00	-49.68
1673.20	H	Peak	-63.77	-66.68	7.20	-4.29	-13.00	-50.77

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

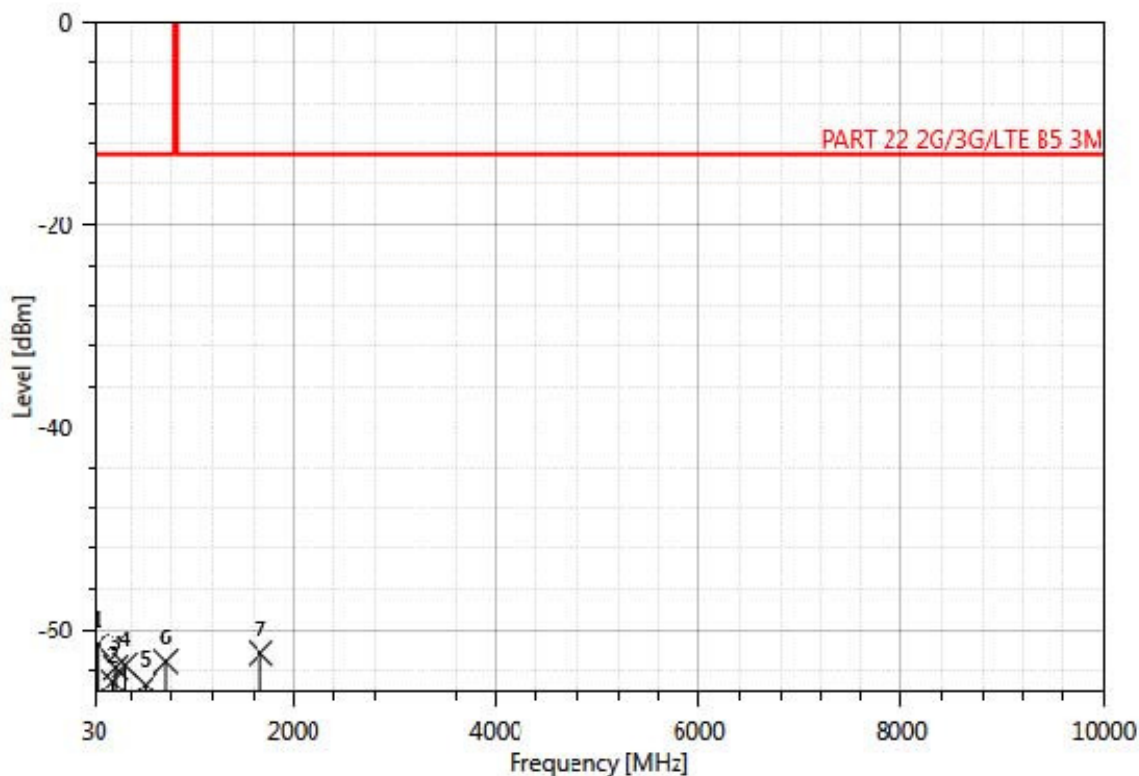
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	GSM 850	Test Date :	05/04/2016 09:39:59
Fundamental Frequency :	836.6 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
62.01	S	Peak	-61.52	-52.28	-8.15	-1.09	-13.00	-48.52
217.21	S	Peak	-65.05	-66.74	3.38	-1.69	-13.00	-52.05
246.31	S	Peak	-63.73	-65.36	3.38	-1.75	-13.00	-50.73
335.55	S	Peak	-63.48	-65.35	3.80	-1.93	-13.00	-50.48
532.46	S	Peak	-65.41	-66.57	3.68	-2.52	-13.00	-52.41
741.01	S	Peak	-63.15	-63.18	3.16	-3.13	-13.00	-50.15
1673.20	H	Peak	-62.35	-65.26	7.20	-4.29	-13.00	-49.35

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

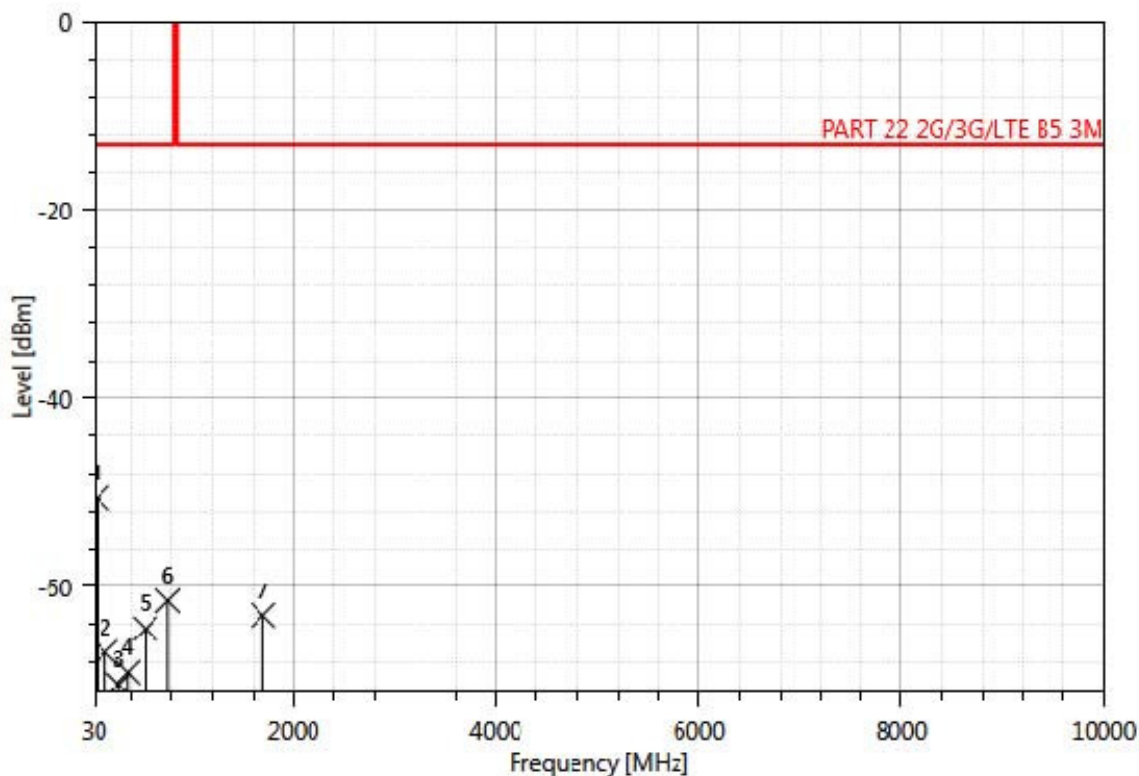
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	GSM 850	Test Date :	05/04/2016 09:40:07
Fundamental Frequency :	848.8 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
59.10	S	Peak	-50.58	-40.53	-8.97	-1.08	-13.00	-37.58
140.58	S	Peak	-66.95	-62.89	-2.66	-1.40	-13.00	-53.95
272.50	S	Peak	-70.37	-72.02	3.49	-1.84	-13.00	-57.37
361.74	S	Peak	-69.05	-70.76	3.85	-2.14	-13.00	-56.05
534.40	S	Peak	-64.45	-65.58	3.67	-2.54	-13.00	-51.45
759.44	S	Peak	-61.50	-61.69	3.21	-3.02	-13.00	-48.50
1697.60	H	Peak	-63.02	-65.99	7.28	-4.31	-13.00	-50.02

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

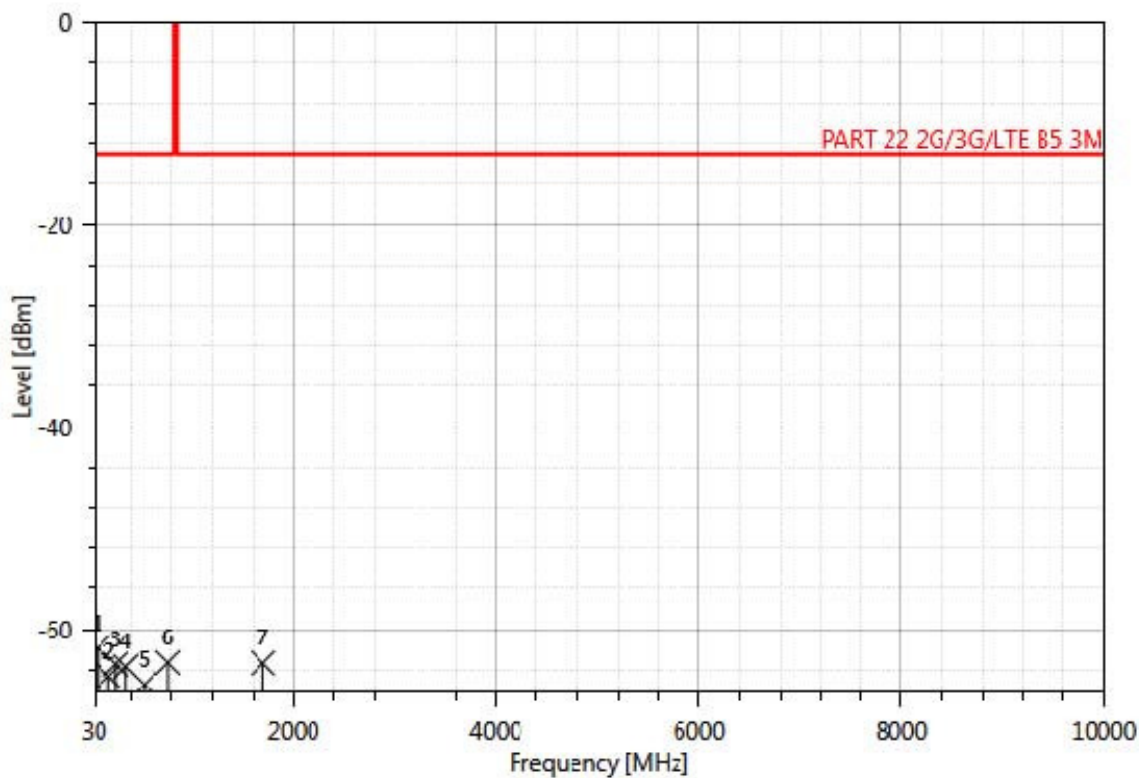
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	GSM 850	Test Date :	05/04/2016 09:40:14
Fundamental Frequency :	848.8 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
63.95	S	Peak	-61.89	-53.21	-7.58	-1.10	-13.00	-48.89
173.56	S	Peak	-64.65	-62.86	-0.26	-1.53	-13.00	-51.65
243.40	S	Peak	-63.46	-65.06	3.34	-1.75	-13.00	-50.46
340.40	S	Peak	-63.68	-65.53	3.82	-1.97	-13.00	-50.68
521.79	S	Peak	-65.47	-66.80	3.74	-2.41	-13.00	-52.47
760.41	S	Peak	-63.30	-63.50	3.22	-3.01	-13.00	-50.30
1697.60	H	Peak	-63.35	-66.32	7.28	-4.31	-13.00	-50.35

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

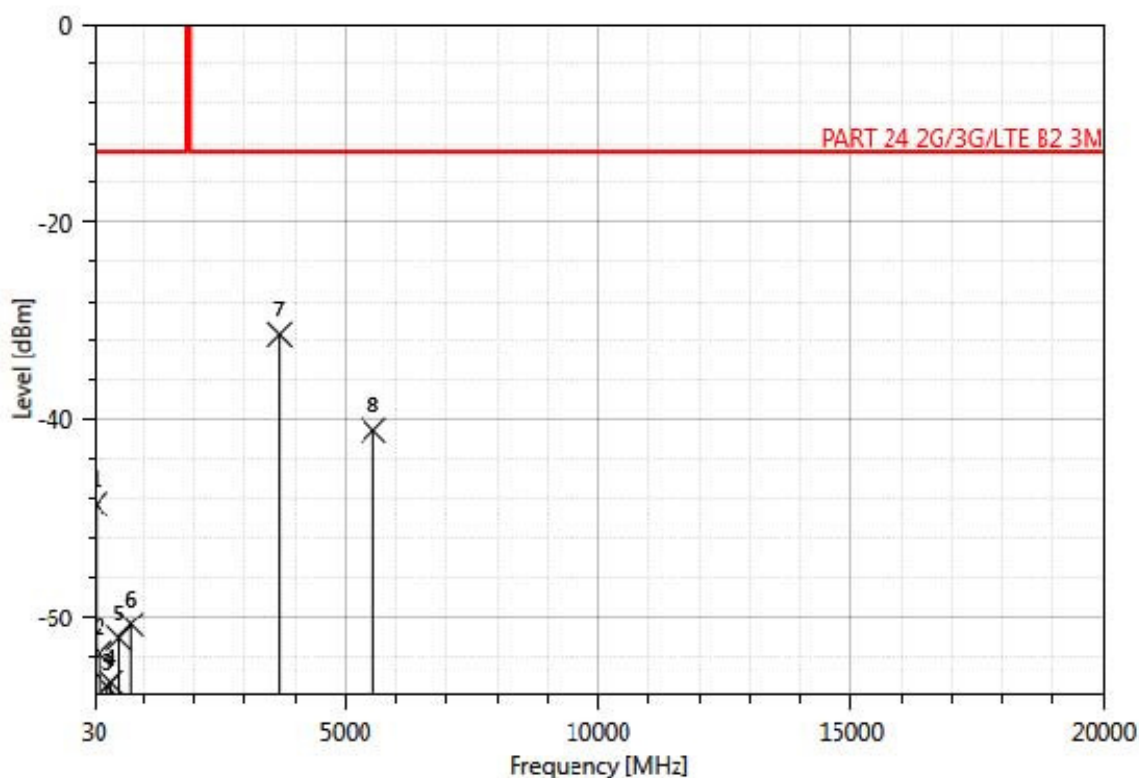
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: GPRS 1900 Mode

Operation Mode :	GPRS 1900	Test Date :	05/04/2016 09:50:34
Fundamental Frequency :	1850.2 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
59.10	S	Peak	-48.59	-40.69	-6.82	-1.08	-13.00	-35.59
141.55	S	Peak	-63.68	-61.83	-0.45	-1.40	-13.00	-50.68
298.69	S	Peak	-67.09	-70.89	5.75	-1.95	-13.00	-54.09
362.71	S	Peak	-66.69	-70.54	6.00	-2.15	-13.00	-53.69
521.79	S	Peak	-62.16	-65.64	5.89	-2.41	-13.00	-49.16
752.65	S	Peak	-60.78	-63.06	5.34	-3.06	-13.00	-47.78
3700.40	H	Peak	-31.41	-37.27	12.44	-6.58	-13.00	-18.41
5550.60	H	Peak	-41.14	-45.80	12.90	-8.24	-13.00	-28.14

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

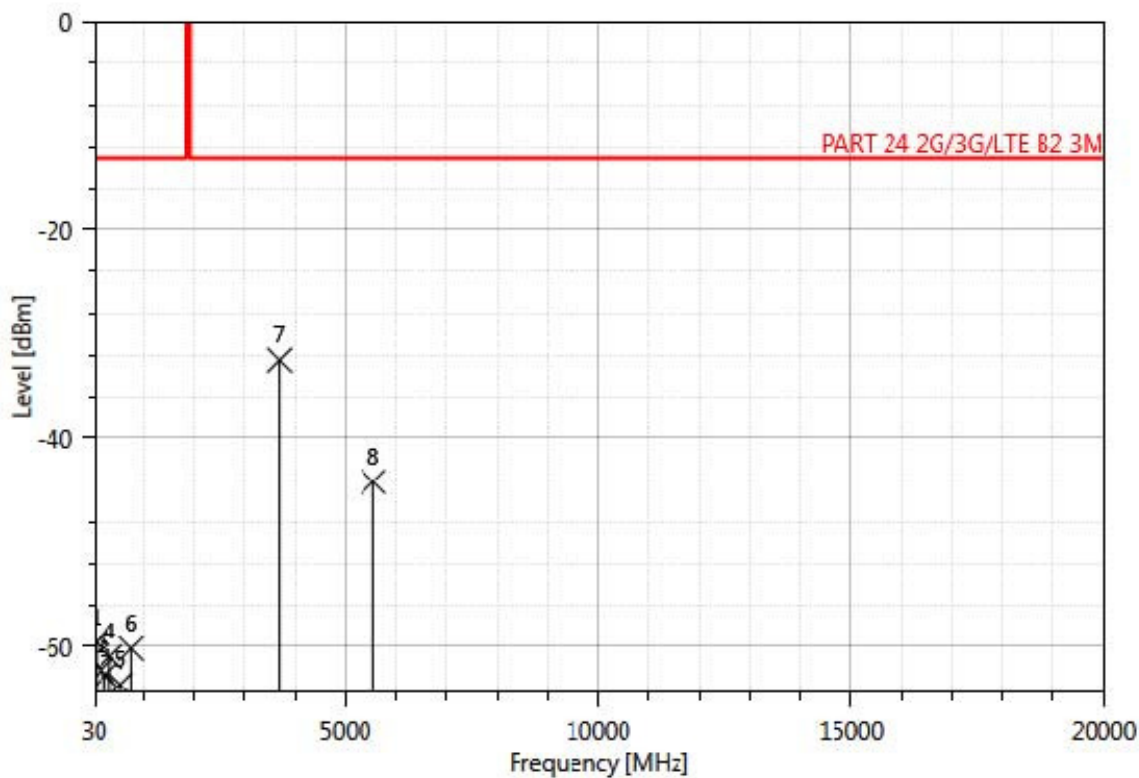
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	GPRS 1900	Test Date :	05/04/2016 09:50:48
Fundamental Frequency :	1850.2 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
62.01	S	Peak	-59.59	-52.50	-6.00	-1.09	-13.00	-46.59
178.41	S	Peak	-62.22	-63.42	2.76	-1.55	-13.00	-49.22
250.19	S	Peak	-62.72	-66.56	5.59	-1.76	-13.00	-49.72
342.34	S	Peak	-60.97	-64.96	5.98	-1.99	-13.00	-47.97
547.01	S	Peak	-63.63	-66.71	5.75	-2.67	-13.00	-50.63
757.50	S	Peak	-60.19	-62.52	5.36	-3.03	-13.00	-47.19
3700.40	H	Peak	-32.44	-38.30	12.44	-6.58	-13.00	-19.44
5550.60	H	Peak	-44.15	-48.81	12.90	-8.24	-13.00	-31.15

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

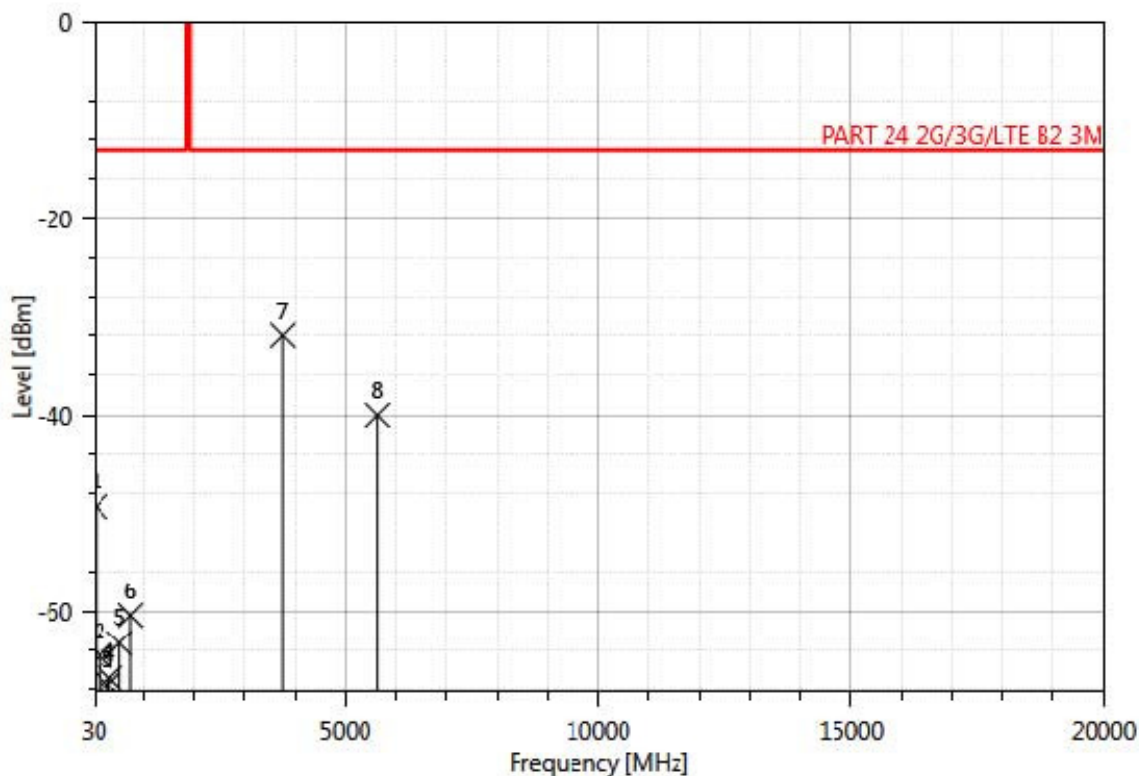
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	GPRS 1900	Test Date :	05/04/2016 09:51:01
Fundamental Frequency :	1880 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
59.10	S	Peak	-49.37	-41.47	-6.82	-1.08	-13.00	-36.37
138.64	S	Peak	-64.50	-62.57	-0.54	-1.39	-13.00	-51.50
299.66	S	Peak	-67.49	-71.31	5.77	-1.95	-13.00	-54.49
332.64	S	Peak	-66.77	-70.79	5.93	-1.91	-13.00	-53.77
527.61	S	Peak	-63.27	-66.65	5.86	-2.47	-13.00	-50.27
742.95	S	Peak	-60.43	-62.63	5.32	-3.12	-13.00	-47.43
3760.00	H	Peak	-31.96	-37.82	12.45	-6.60	-13.00	-18.96
5640.00	H	Peak	-40.02	-44.55	12.90	-8.36	-13.00	-27.02

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

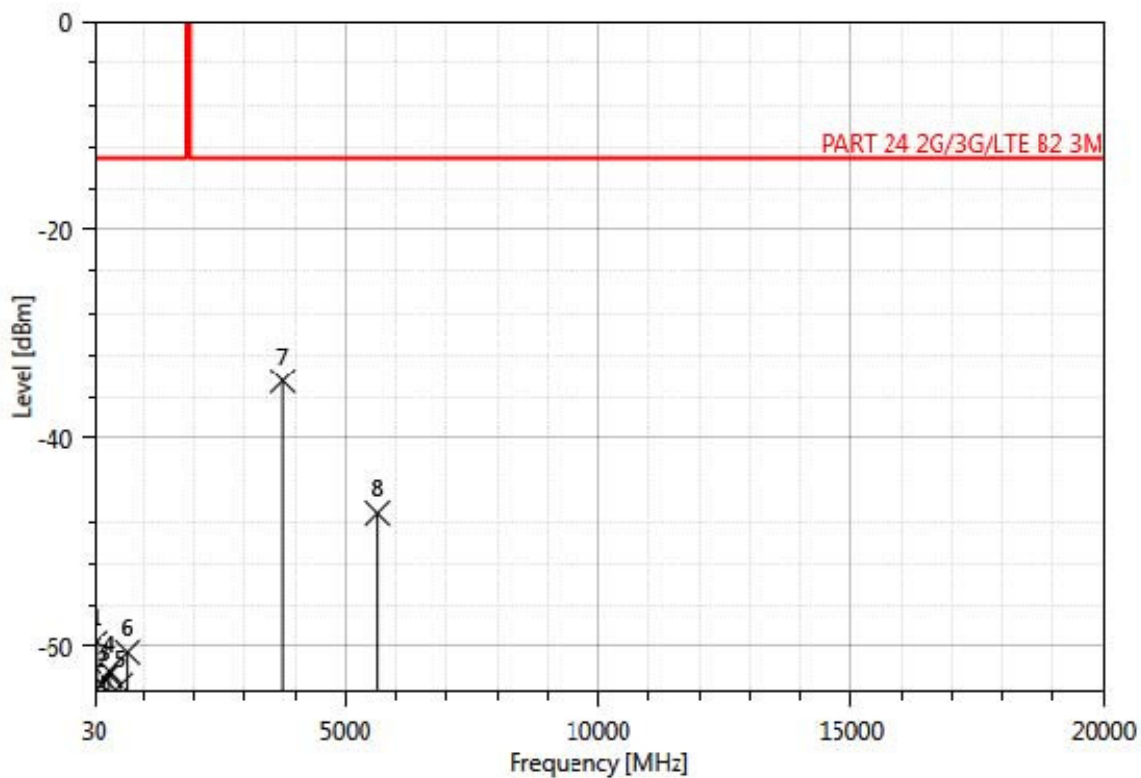
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	GPRS 1900	Test Date :	05/04/2016 09:51:15
Fundamental Frequency :	1880 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
62.01	S	Peak	-59.58	-52.49	-6.00	-1.09	-13.00	-46.58
177.44	S	Peak	-63.63	-64.66	2.59	-1.55	-13.00	-50.63
251.16	S	Peak	-63.03	-66.88	5.62	-1.76	-13.00	-50.03
340.40	S	Peak	-62.31	-66.30	5.97	-1.97	-13.00	-49.31
548.95	S	Peak	-63.63	-66.68	5.74	-2.69	-13.00	-50.63
686.69	S	Peak	-60.58	-63.08	5.25	-2.74	-13.00	-47.58
3760.00	H	Peak	-34.50	-40.35	12.45	-6.60	-13.00	-21.50
5640.00	H	Peak	-47.15	-51.69	12.90	-8.36	-13.00	-34.15

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

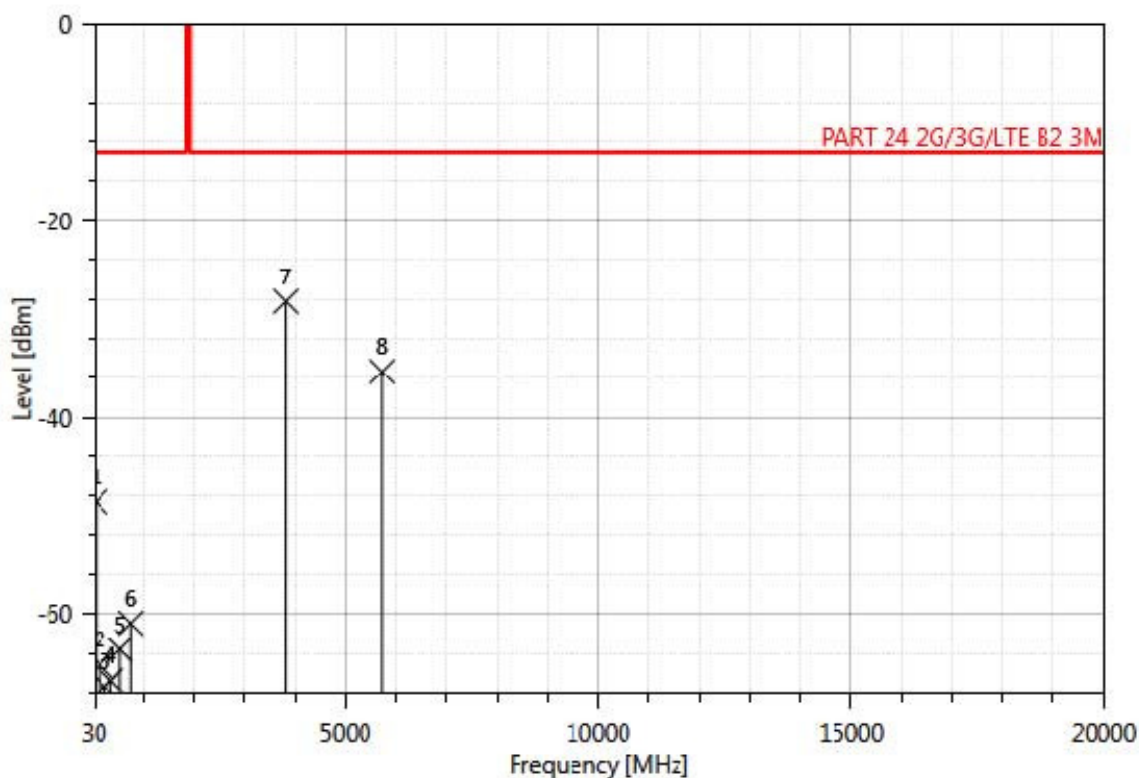
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	GPRS 1900	Test Date :	05/04/2016 09:51:29
Fundamental Frequency :	1909.8 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
59.10	S	Peak	-48.61	-40.71	-6.82	-1.08	-13.00	-35.61
143.49	S	Peak	-65.14	-63.40	-0.33	-1.41	-13.00	-52.14
243.40	S	Peak	-67.38	-71.13	5.49	-1.75	-13.00	-54.38
356.89	S	Peak	-66.72	-70.62	6.01	-2.10	-13.00	-53.72
539.25	S	Peak	-63.60	-66.80	5.79	-2.59	-13.00	-50.60
749.74	S	Peak	-60.95	-63.21	5.33	-3.08	-13.00	-47.95
3819.60	H	Peak	-28.18	-34.00	12.47	-6.65	-13.00	-15.18
5729.40	H	Peak	-35.36	-39.87	12.90	-8.39	-13.00	-22.36

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

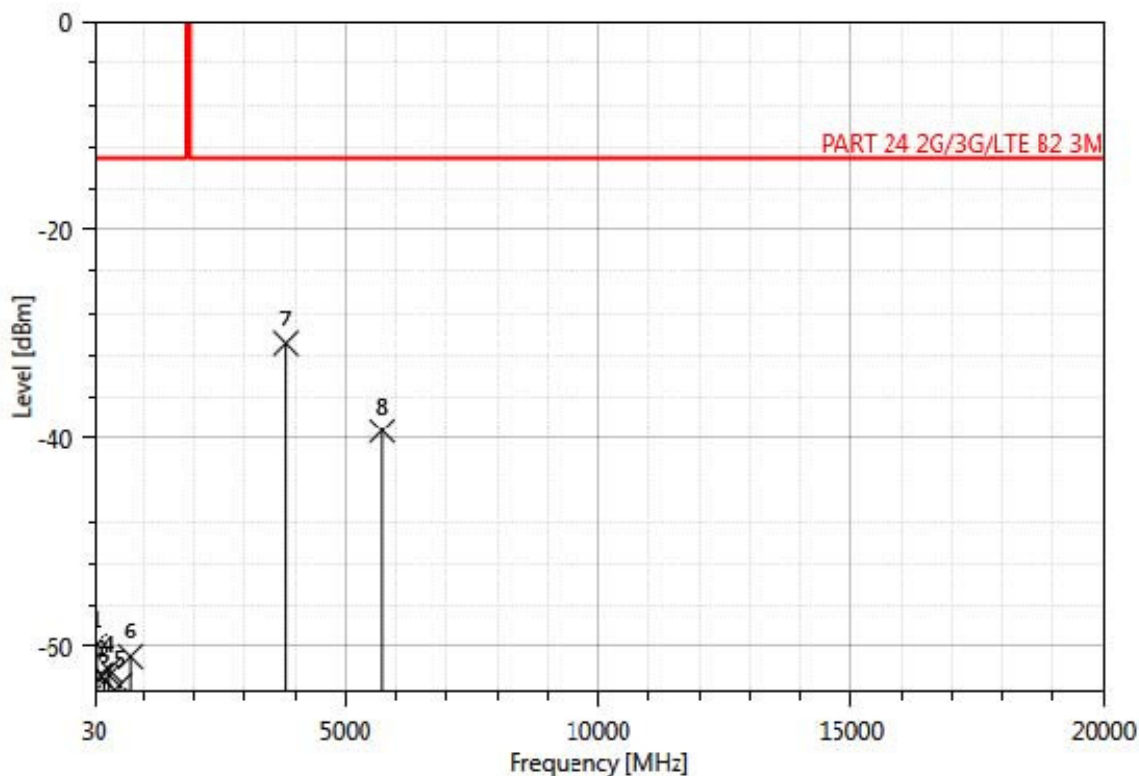
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	GPRS 1900	Test Date :	05/04/2016 09:51:43
Fundamental Frequency :	1909.8 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
62.01	S	Peak	-59.81	-52.72	-6.00	-1.09	-13.00	-46.81
170.65	S	Peak	-62.64	-62.48	1.36	-1.52	-13.00	-49.64
245.34	S	Peak	-63.12	-66.89	5.52	-1.75	-13.00	-50.12
333.61	S	Peak	-62.16	-66.18	5.94	-1.92	-13.00	-49.16
537.31	S	Peak	-63.60	-66.84	5.80	-2.57	-13.00	-50.60
744.89	S	Peak	-60.94	-63.16	5.32	-3.11	-13.00	-47.94
3819.60	H	Peak	-30.86	-36.68	12.47	-6.65	-13.00	-17.86
5729.40	H	Peak	-39.25	-43.76	12.90	-8.39	-13.00	-26.25

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

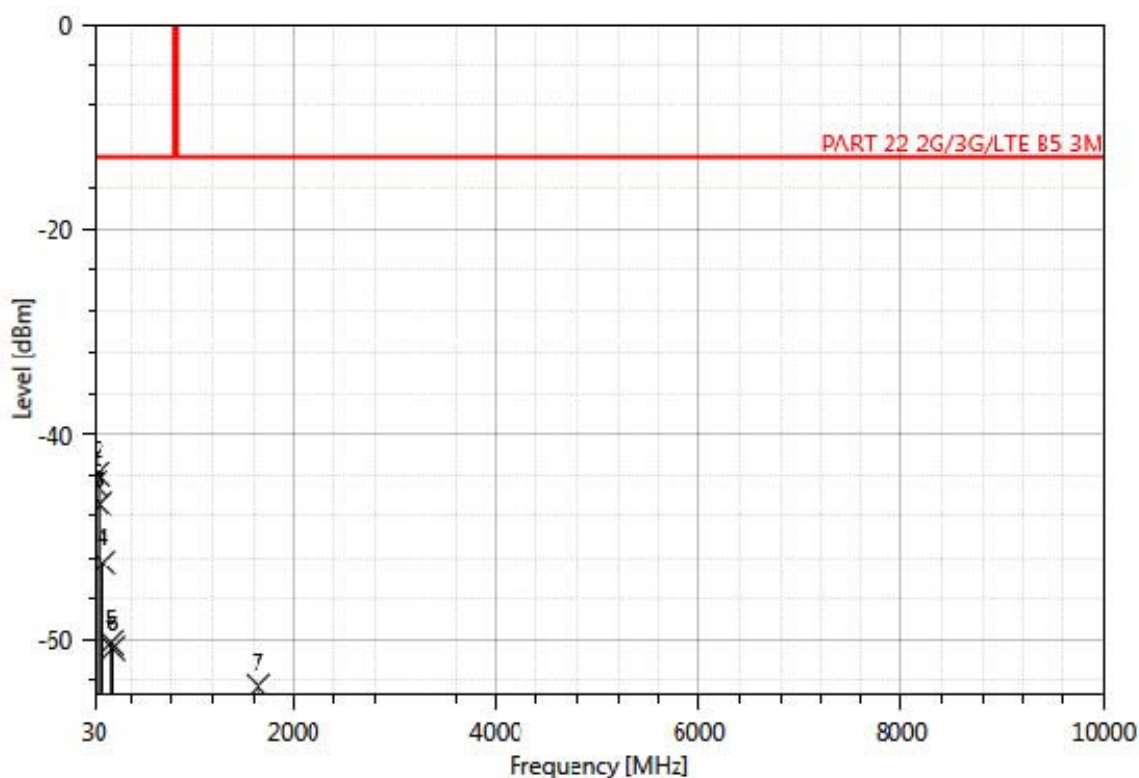
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: CDMA BC0 Mode

Operation Mode :	CDMA 850	Test Date :	01/11/2017
Fundamental Frequency :	824.7 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Mike
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	
41.64	S	Peak	-44.80	-33.12	-10.68	-1.00	-13.00	-31.80
68.80	S	Peak	-43.90	-38.69	-4.09	-1.11	-13.00	-30.90
90.14	S	Peak	-46.76	-47.25	1.70	-1.21	-13.00	-33.76
119.24	S	Peak	-52.50	-50.89	-0.29	-1.32	-13.00	-39.50
202.66	S	Peak	-60.32	-64.04	5.37	-1.65	-13.00	-47.32
217.21	S	Peak	-60.85	-64.69	5.53	-1.69	-13.00	-47.85
1649.40	H	Peak	-64.61	-67.50	7.11	-4.23	-13.00	-51.61

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

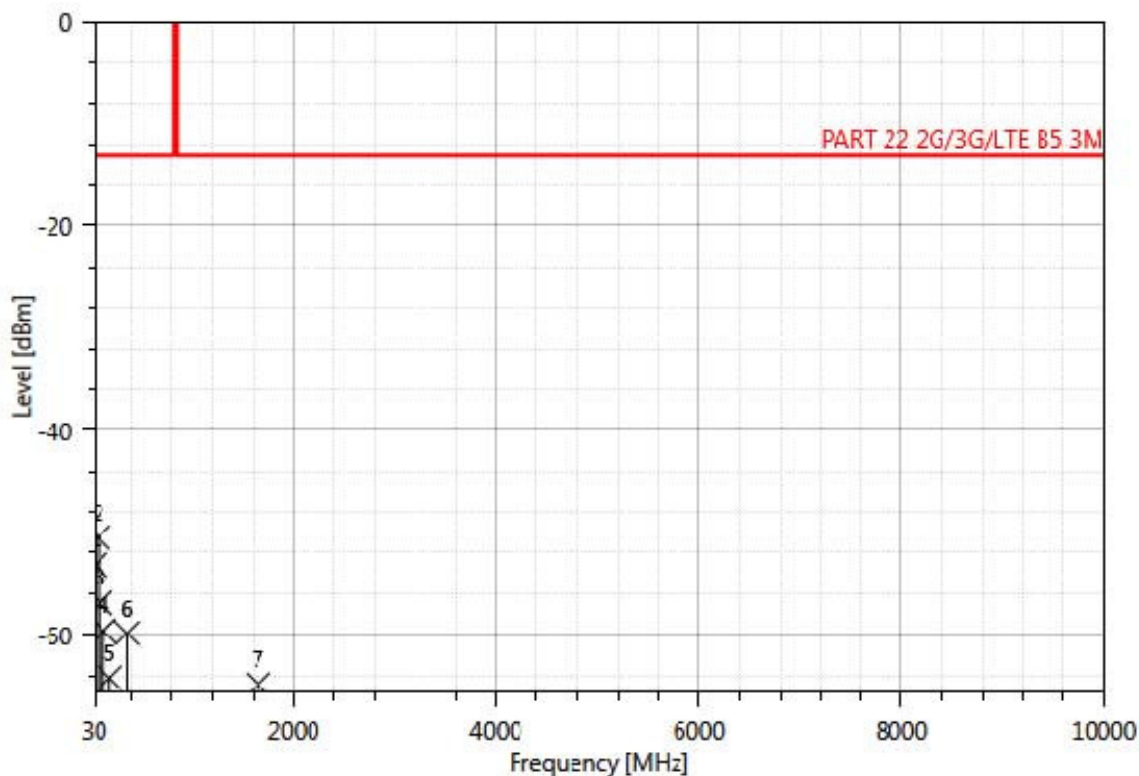
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	CDMA 850	Test Date :	01/11/2017
Fundamental Frequency :	824.7 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Mike
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-53.19	-41.24	-10.96	-0.99	-13.00	-40.19
68.80	S	Peak	-50.50	-45.30	-4.09	-1.11	-13.00	-37.50
90.14	S	Peak	-56.92	-57.41	1.70	-1.21	-13.00	-43.92
124.09	S	Peak	-59.63	-57.92	-0.37	-1.34	-13.00	-46.63
182.29	S	Peak	-64.23	-66.09	3.43	-1.57	-13.00	-51.23
354.95	S	Peak	-59.88	-63.80	6.01	-2.09	-13.00	-46.88
1649.40	H	Peak	-64.90	-67.79	7.11	-4.23	-13.00	-51.90

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

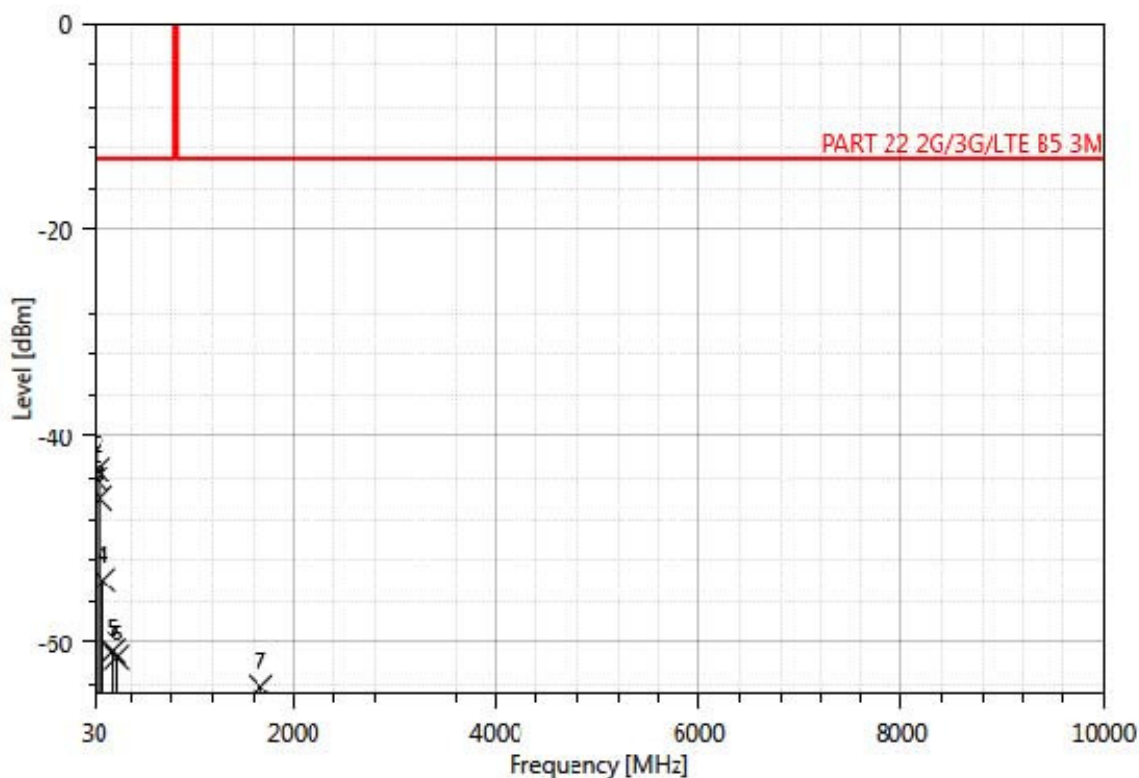
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	CDMA 850	Test Date :	01/11/2017
Fundamental Frequency :	836.52 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Mike
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
41.64	S	Peak	-44.13	-32.45	-10.68	-1.00	-13.00	-31.13
68.80	S	Peak	-43.23	-38.03	-4.09	-1.11	-13.00	-30.23
90.14	S	Peak	-46.04	-46.53	1.70	-1.21	-13.00	-33.04
119.24	S	Peak	-53.94	-52.33	-0.29	-1.32	-13.00	-40.94
219.15	S	Peak	-60.88	-64.67	5.49	-1.70	-13.00	-47.88
256.01	S	Peak	-61.47	-65.43	5.73	-1.77	-13.00	-48.47
1673.04	H	Peak	-64.26	-67.17	7.20	-4.29	-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 www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

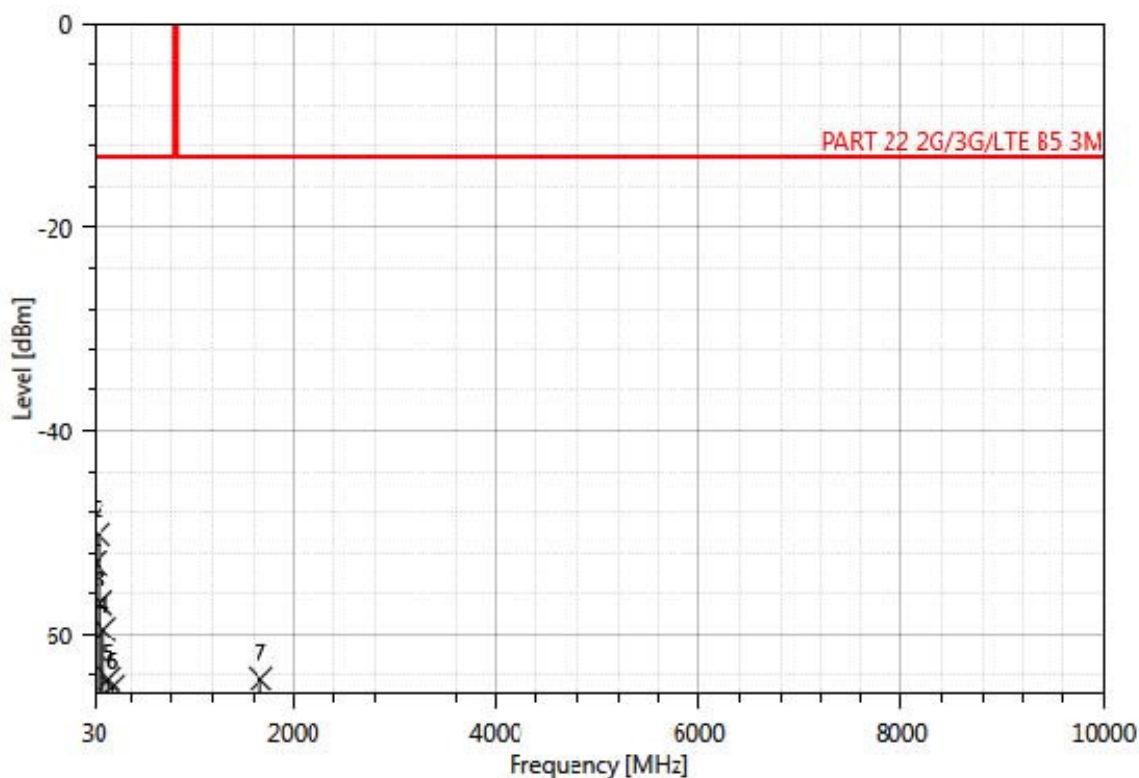
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	CDMA 850	Test Date :	01/11/2017
Fundamental Frequency :	836.52 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Mike
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-53.00	-41.04	-10.96	-0.99	-13.00	-40.00
68.80	S	Peak	-50.18	-44.98	-4.09	-1.11	-13.00	-37.18
90.14	S	Peak	-56.96	-57.45	1.70	-1.21	-13.00	-43.96
124.09	S	Peak	-59.53	-57.82	-0.37	-1.34	-13.00	-46.53
173.56	S	Peak	-64.37	-64.73	1.89	-1.53	-13.00	-51.37
212.36	S	Peak	-65.14	-69.08	5.63	-1.68	-13.00	-52.14
1673.04	H	Peak	-64.38	-67.29	7.20	-4.29	-13.00	-51.38

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

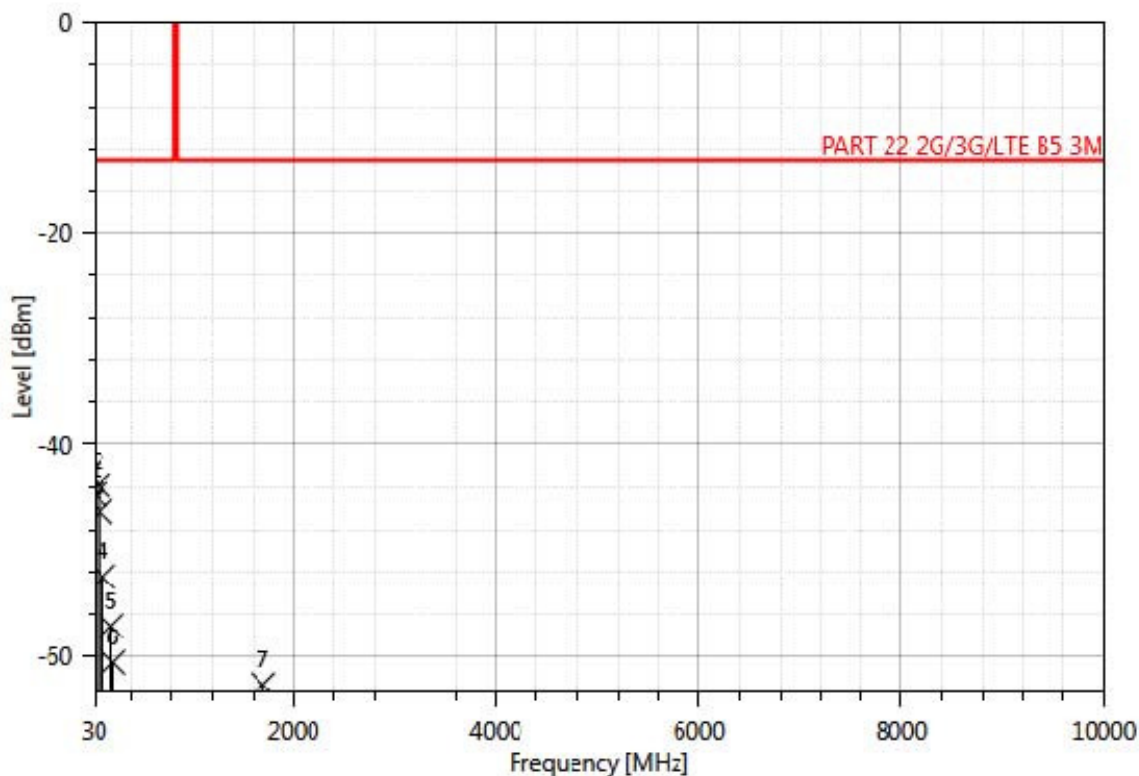
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	CDMA 850	Test Date :	01/11/2017
Fundamental Frequency :	848.31 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Mike
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
41.64	S	Peak	-44.74	-33.06	-10.68	-1.00	-13.00	-31.74
68.80	S	Peak	-43.84	-38.64	-4.09	-1.11	-13.00	-30.84
90.14	S	Peak	-46.32	-46.81	1.70	-1.21	-13.00	-33.32
117.30	S	Peak	-52.50	-50.88	-0.30	-1.31	-13.00	-39.50
197.81	S	Peak	-57.16	-60.66	5.13	-1.63	-13.00	-44.16
217.21	S	Peak	-60.60	-64.43	5.53	-1.69	-13.00	-47.60
1696.62	H	Peak	-62.71	-65.68	7.28	-4.31	-13.00	-49.71

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

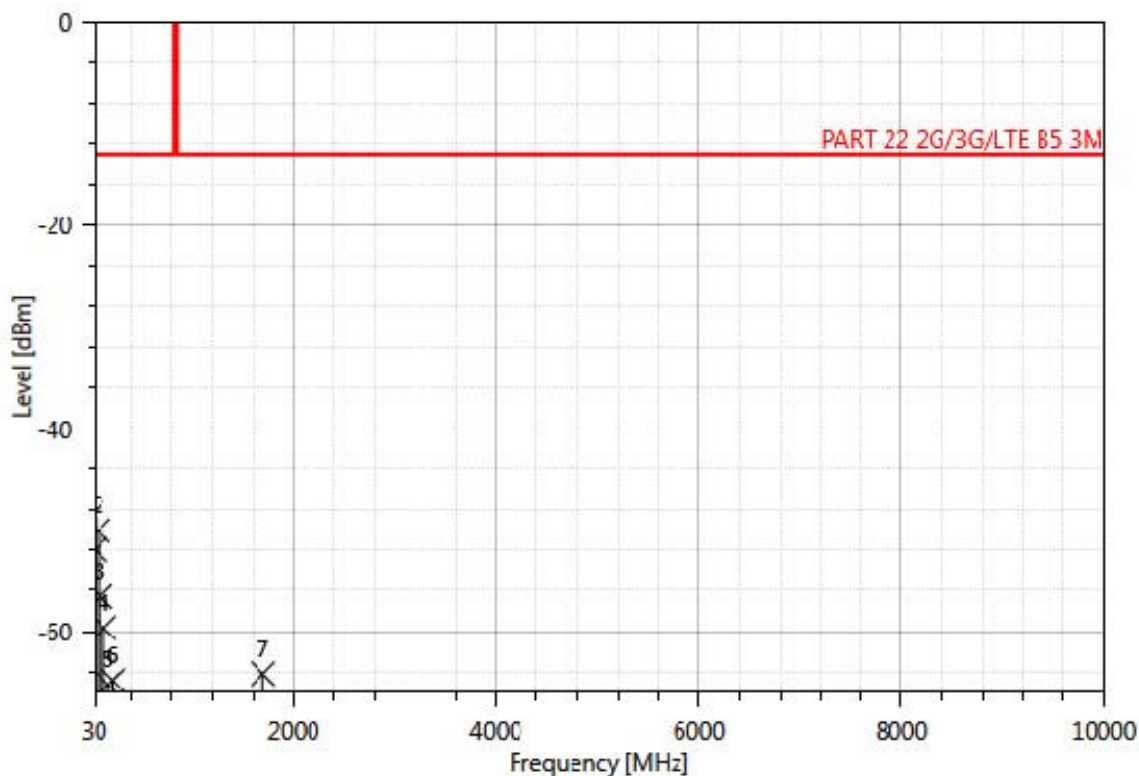
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	CDMA 850	Test Date :	01/11/2017
Fundamental Frequency :	848.31 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Mike
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	
39.70	S	Peak	-51.98	-40.02	-10.96	-0.99	-13.00	-38.98
68.80	S	Peak	-50.10	-44.90	-4.09	-1.11	-13.00	-37.10
90.14	S	Peak	-56.62	-57.11	1.70	-1.21	-13.00	-43.62
127.00	S	Peak	-59.67	-57.89	-0.43	-1.35	-13.00	-46.67
170.65	S	Peak	-65.25	-65.09	1.36	-1.52	-13.00	-52.25
217.21	S	Peak	-64.83	-68.67	5.53	-1.69	-13.00	-51.83
1696.62	H	Peak	-64.18	-67.15	7.28	-4.31	-13.00	-51.18

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

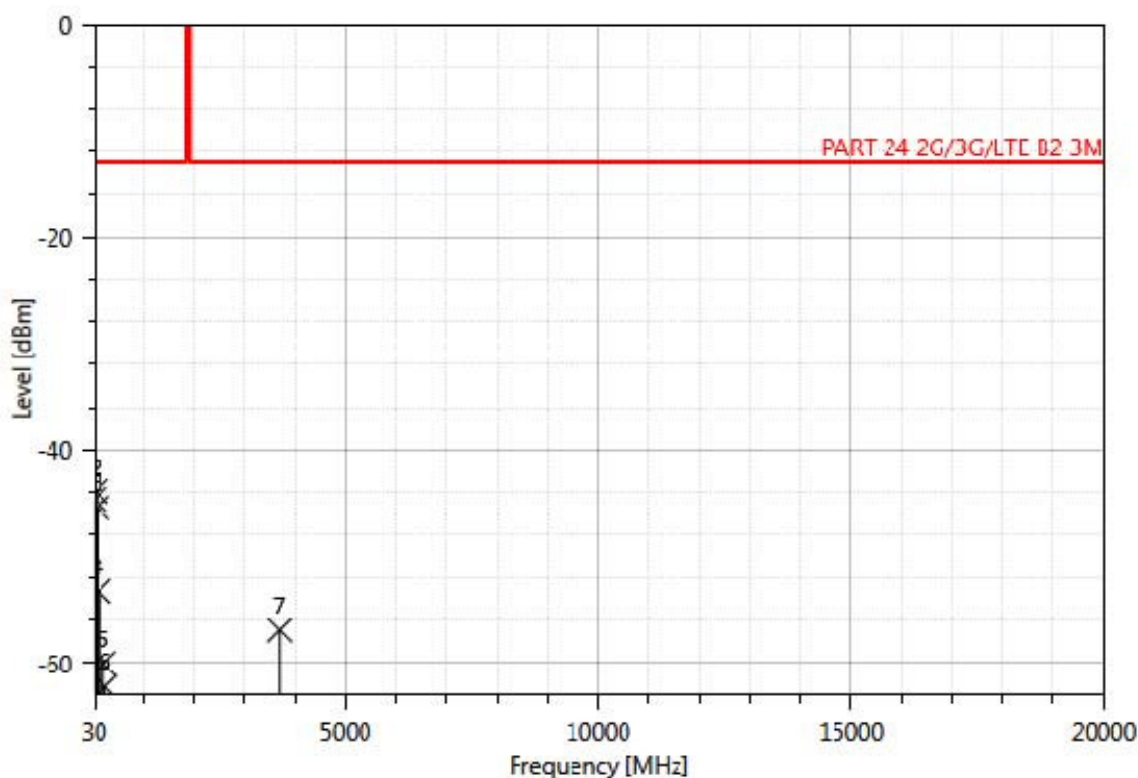
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: CDMA BC1 Mode

Operation Mode :	CDMA 1900	Test Date :	01/11/2017
Fundamental Frequency :	1851.25 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
41.64	S	Peak	-44.66	-32.98	-10.68	-1.00	-13.00	-31.66
68.80	S	Peak	-43.91	-38.71	-4.09	-1.11	-13.00	-30.91
90.14	S	Peak	-45.47	-45.96	1.70	-1.21	-13.00	-32.47
119.24	S	Peak	-53.32	-51.70	-0.29	-1.32	-13.00	-40.32
216.24	S	Peak	-60.10	-63.96	5.55	-1.69	-13.00	-47.10
250.19	S	Peak	-62.29	-66.12	5.59	-1.76	-13.00	-49.29
3702.50	H	Peak	-56.98	-62.84	12.44	-6.58	-13.00	-43.98

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

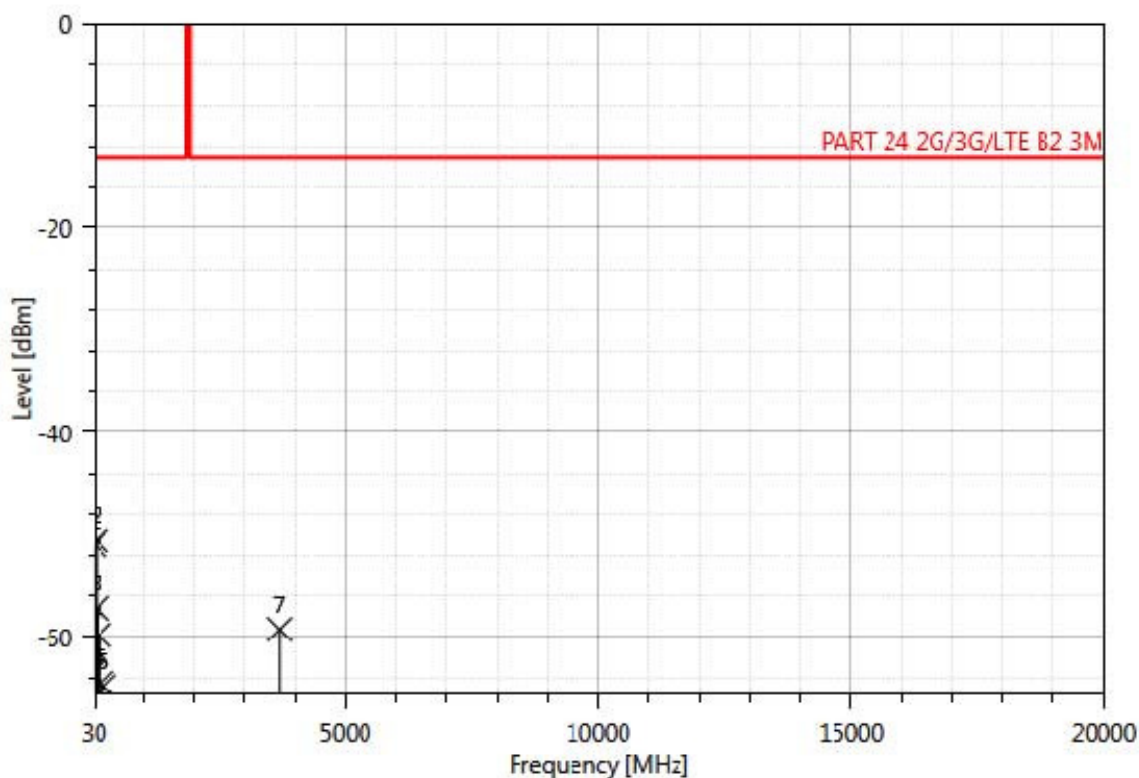
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	CDMA 1900	Test Date :	01/11/2017
Fundamental Frequency :	1851.25 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
41.64	S	Peak	-51.02	-39.33	-10.68	-1.00	-13.00	-38.02
68.80	S	Peak	-50.55	-45.35	-4.09	-1.11	-13.00	-37.55
90.14	S	Peak	-57.23	-57.72	1.70	-1.21	-13.00	-44.23
124.09	S	Peak	-59.83	-58.12	-0.37	-1.34	-13.00	-46.83
173.56	S	Peak	-64.51	-64.86	1.89	-1.53	-13.00	-51.51
216.24	S	Peak	-64.86	-68.72	5.55	-1.69	-13.00	-51.86
3702.50	H	Peak	-59.27	-65.13	12.44	-6.58	-13.00	-46.27

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

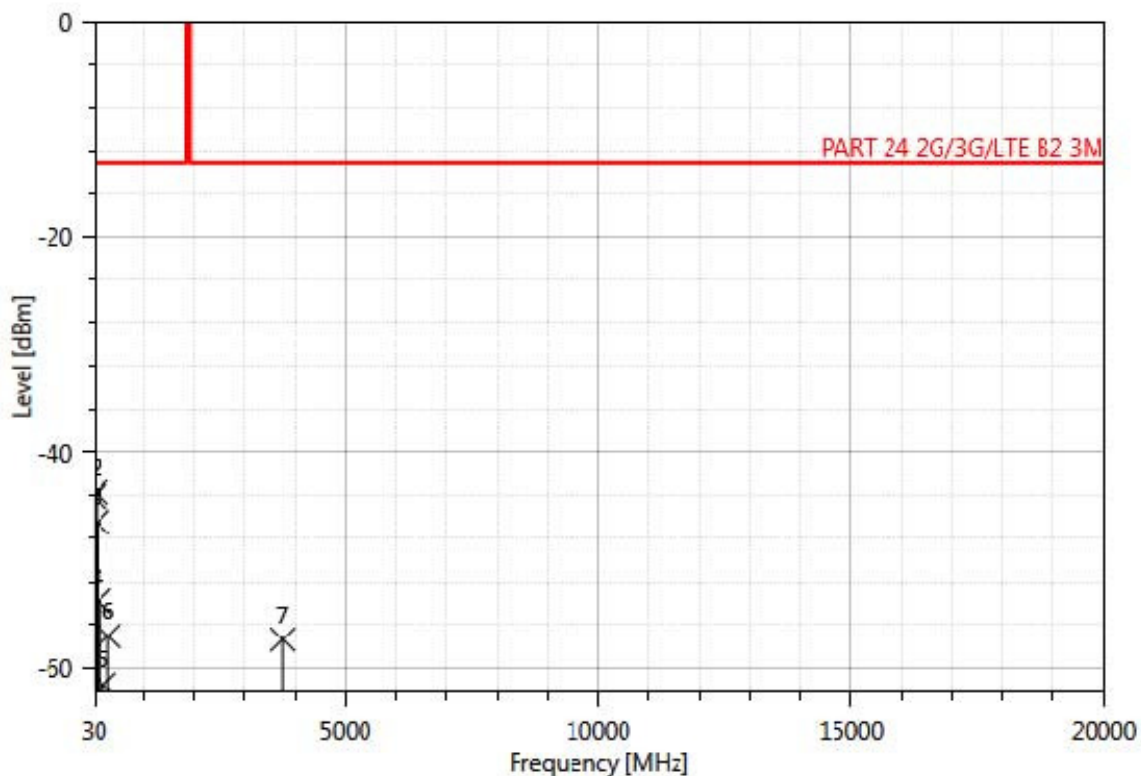
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	CDMA 1900	Test Date :	01/11/2017
Fundamental Frequency :	1880 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
41.64	S	Peak	-44.13	-32.45	-10.68	-1.00	-13.00	-31.13
68.80	S	Peak	-43.70	-38.50	-4.09	-1.11	-13.00	-30.70
90.14	S	Peak	-46.47	-46.96	1.70	-1.21	-13.00	-33.47
119.24	S	Peak	-53.82	-52.21	-0.29	-1.32	-13.00	-40.82
216.24	S	Peak	-61.54	-65.40	5.55	-1.69	-13.00	-48.54
313.24	S	Peak	-57.04	-60.95	5.84	-1.93	-13.00	-44.04
3760.00	H	Peak	-57.36	-63.22	12.45	-6.60	-13.00	-44.36

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

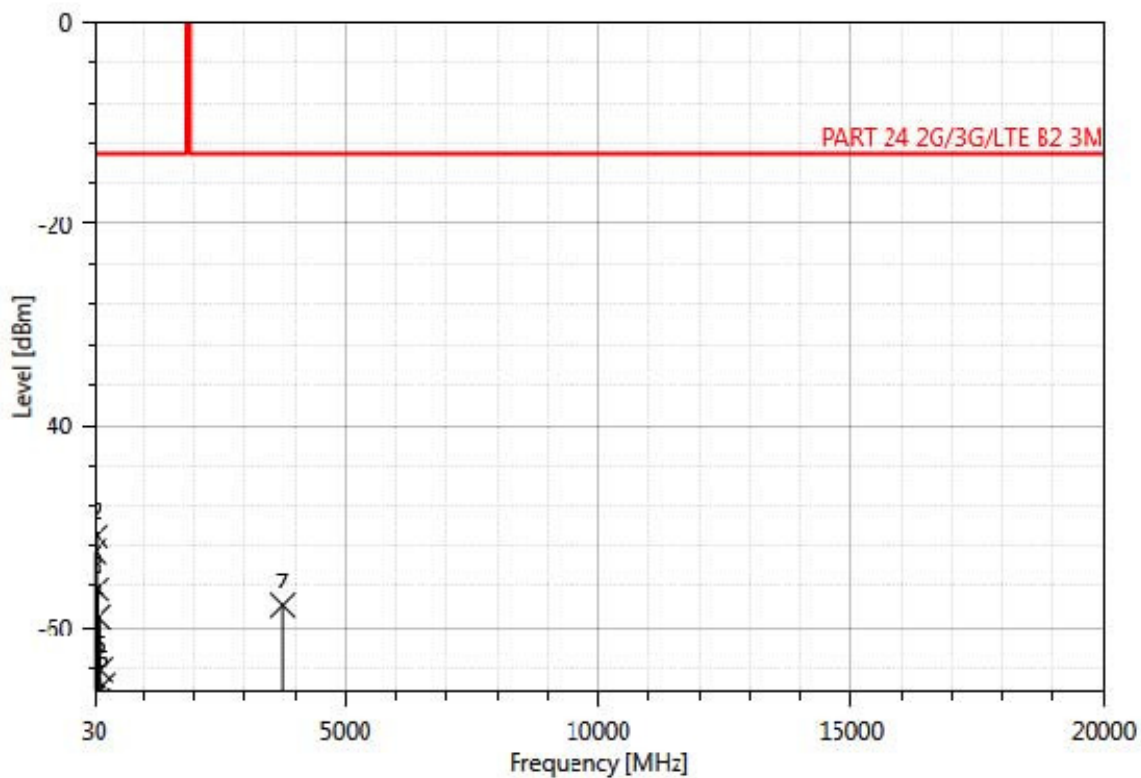
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	CDMA 1900	Test Date :	01/11/2017
Fundamental Frequency :	1880 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
39.70	S	Peak	-52.51	-40.56	-10.96	-0.99	-13.00	-39.51
68.80	S	Peak	-50.98	-45.78	-4.09	-1.11	-13.00	-37.98
90.14	S	Peak	-56.23	-56.72	1.70	-1.21	-13.00	-43.23
124.09	S	Peak	-58.97	-57.26	-0.37	-1.34	-13.00	-45.97
172.59	S	Peak	-64.18	-64.37	1.71	-1.53	-13.00	-51.18
217.21	S	Peak	-65.67	-69.51	5.53	-1.69	-13.00	-52.67
3760.00	H	Peak	-57.84	-63.69	12.45	-6.60	-13.00	-44.84

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

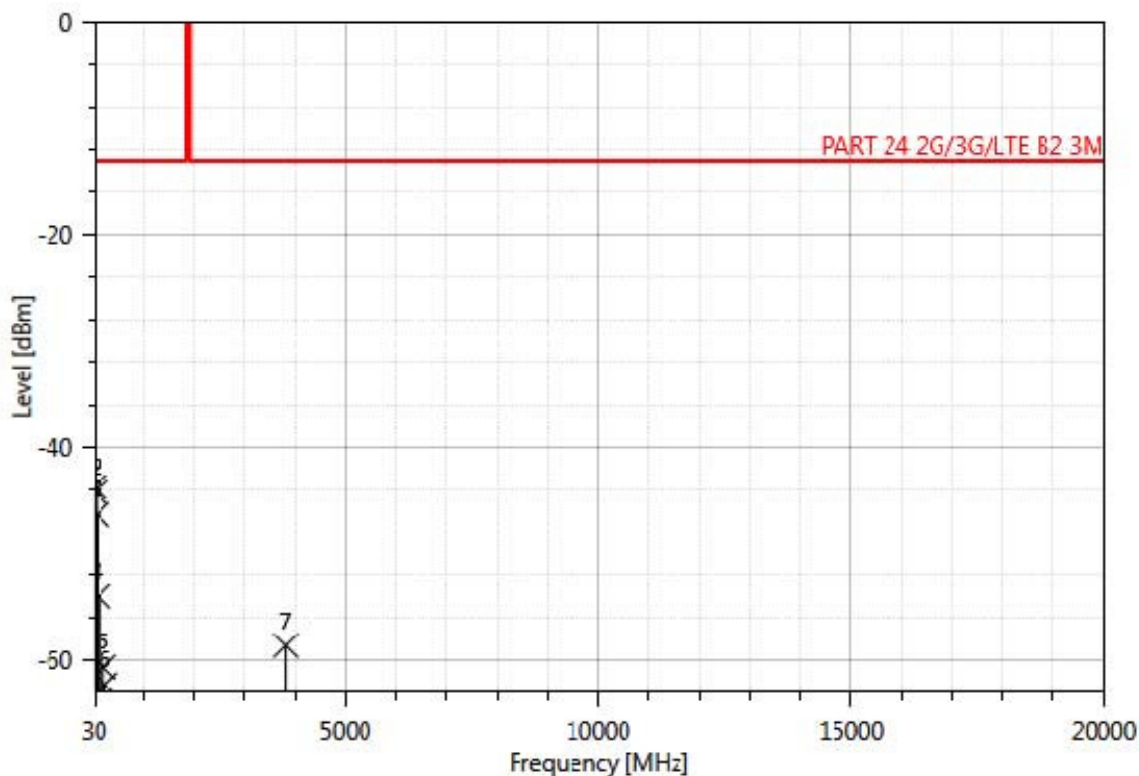
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	CDMA 1900	Test Date :	01/11/2017
Fundamental Frequency :	1908.75 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
41.64	S	Peak	-43.72	-32.03	-10.68	-1.00	-13.00	-30.72
68.80	S	Peak	-44.25	-39.04	-4.09	-1.11	-13.00	-31.25
90.14	S	Peak	-46.27	-46.76	1.70	-1.21	-13.00	-33.27
117.30	S	Peak	-54.04	-52.42	-0.30	-1.31	-13.00	-41.04
216.24	S	Peak	-60.66	-64.52	5.55	-1.69	-13.00	-47.66
248.25	S	Peak	-62.31	-66.12	5.56	-1.75	-13.00	-49.31
3817.50	H	Peak	-58.66	-64.48	12.47	-6.64	-13.00	-45.66

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

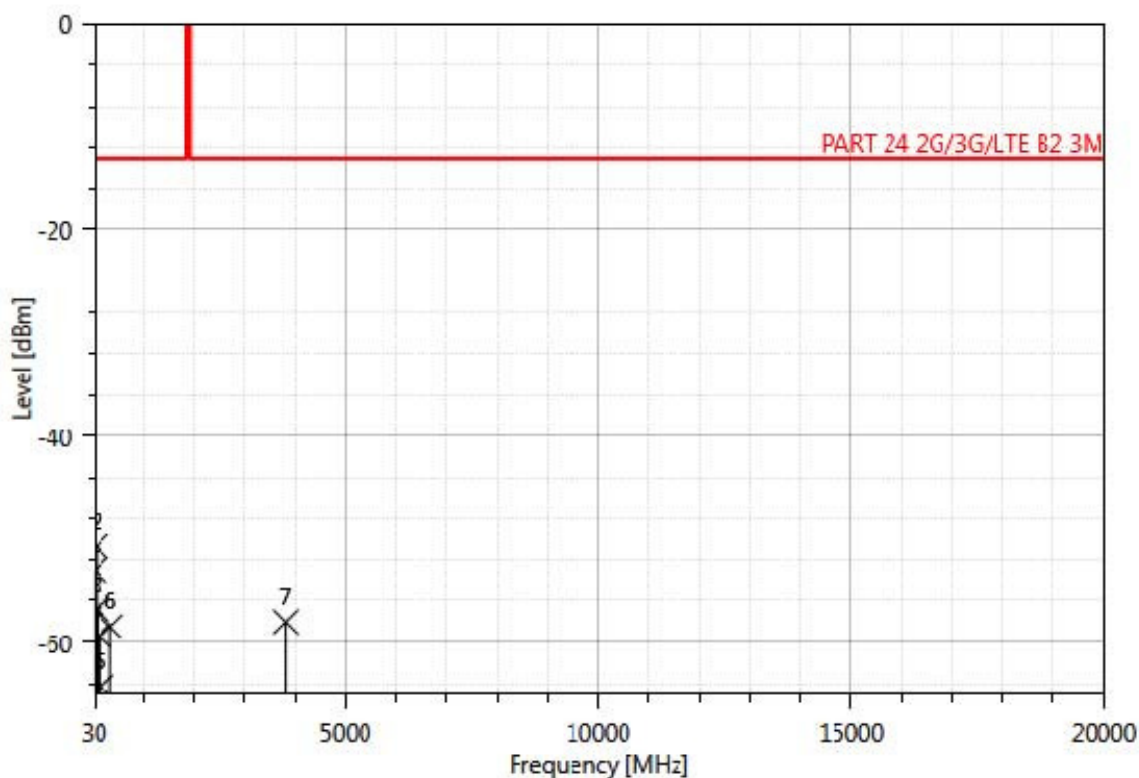
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	CDMA 1900	Test Date :	01/11/2017
Fundamental Frequency :	1908.75 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
41.64	S	Peak	-53.01	-41.32	-10.68	-1.00	-13.00	-40.01
68.80	S	Peak	-50.73	-45.53	-4.09	-1.11	-13.00	-37.73
90.14	S	Peak	-56.85	-57.33	1.70	-1.21	-13.00	-43.85
125.06	S	Peak	-59.34	-57.60	-0.39	-1.34	-13.00	-46.34
170.65	S	Peak	-64.30	-64.14	1.36	-1.52	-13.00	-51.30
353.01	S	Peak	-58.50	-62.44	6.01	-2.07	-13.00	-45.50
3817.50	H	Peak	-58.03	-63.85	12.47	-6.64	-13.00	-45.03

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

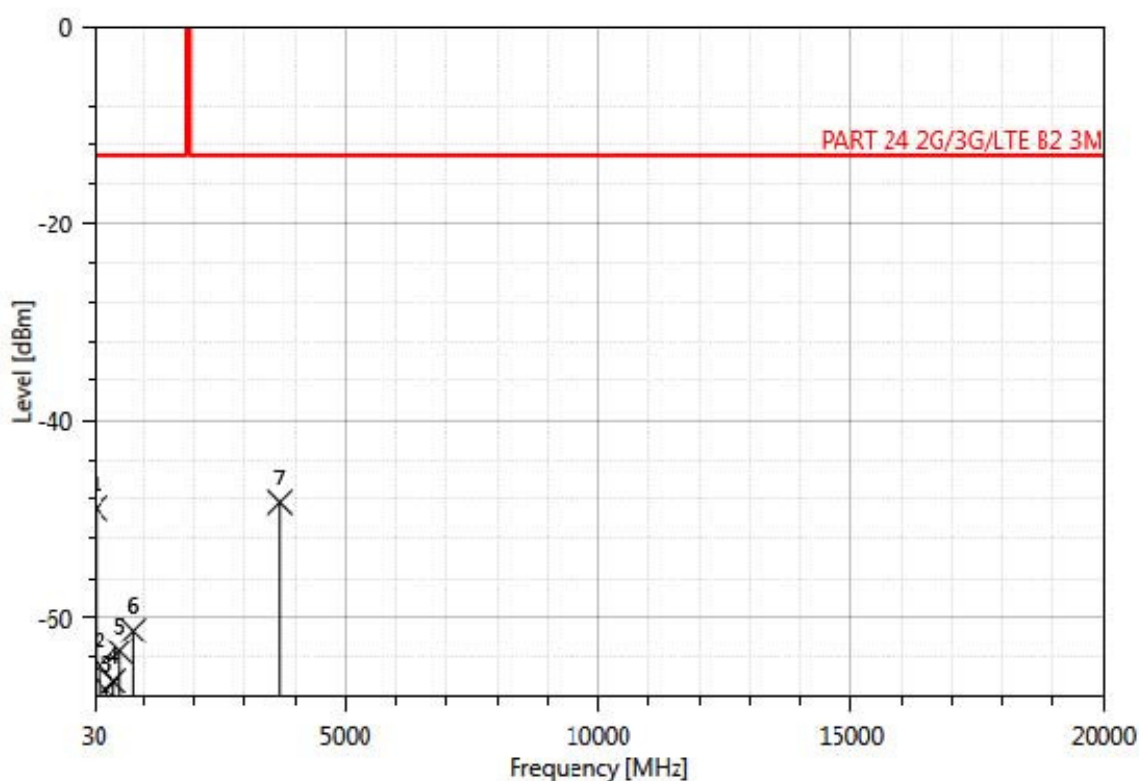
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: HSDPA II Mode

Operation Mode :	HSDPA B2	Test Date :	05/04/2016 09:51:57
Fundamental Frequency :	1852.4 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
59.10	S	Peak	-48.91	-41.01	-6.82	-1.08	-13.00	-35.91
141.55	S	Peak	-64.90	-63.05	-0.45	-1.40	-13.00	-51.90
280.26	S	Peak	-67.32	-71.02	5.57	-1.88	-13.00	-54.32
413.15	S	Peak	-66.43	-69.97	5.92	-2.38	-13.00	-53.43
534.40	S	Peak	-63.43	-66.71	5.82	-2.54	-13.00	-50.43
798.24	S	Peak	-61.33	-63.91	5.49	-2.90	-13.00	-48.33
3704.80	H	Peak	-48.33	-54.19	12.44	-6.58	-13.00	-35.33

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

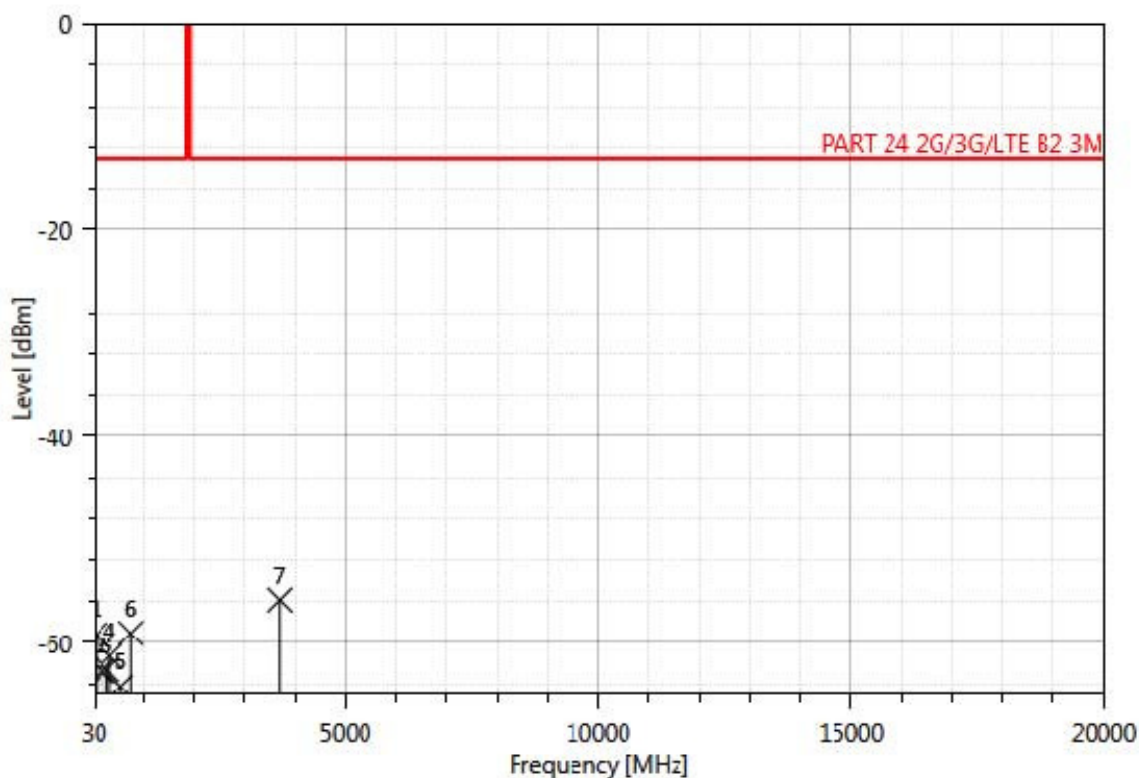
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	HSDPA B2	Test Date :	05/04/2016 09:52:10
Fundamental Frequency :	1852.4 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
62.01	S	Peak	-59.25	-52.16	-6.00	-1.09	-13.00	-46.25
173.56	S	Peak	-62.76	-63.12	1.89	-1.53	-13.00	-49.76
282.20	S	Peak	-62.60	-66.29	5.57	-1.89	-13.00	-49.60
340.40	S	Peak	-61.31	-65.31	5.97	-1.97	-13.00	-48.31
549.92	S	Peak	-64.28	-67.32	5.74	-2.70	-13.00	-51.28
749.74	S	Peak	-59.12	-61.37	5.33	-3.08	-13.00	-46.12
3704.80	H	Peak	-55.94	-61.80	12.44	-6.58	-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 www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

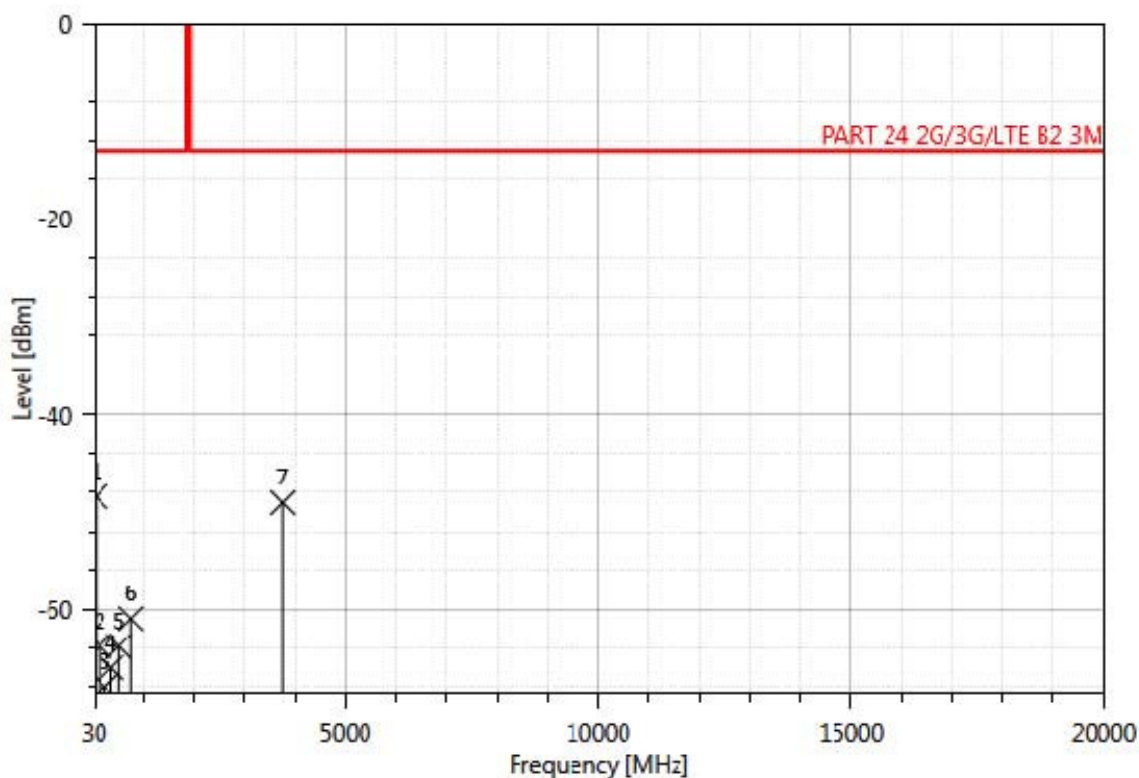
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	HSDPA B2	Test Date :	05/04/2016 09:52:24
Fundamental Frequency :	1880 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
59.10	S	Peak	-48.46	-40.56	-6.82	-1.08	-13.00	-35.46
141.55	S	Peak	-63.78	-61.93	-0.45	-1.40	-13.00	-50.78
243.40	S	Peak	-67.94	-71.68	5.49	-1.75	-13.00	-54.94
366.59	S	Peak	-65.98	-69.80	6.00	-2.17	-13.00	-52.98
517.91	S	Peak	-63.81	-67.35	5.91	-2.37	-13.00	-50.81
752.65	S	Peak	-60.97	-63.25	5.34	-3.06	-13.00	-47.97
3760.00	H	Peak	-49.09	-54.94	12.45	-6.60	-13.00	-36.09

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

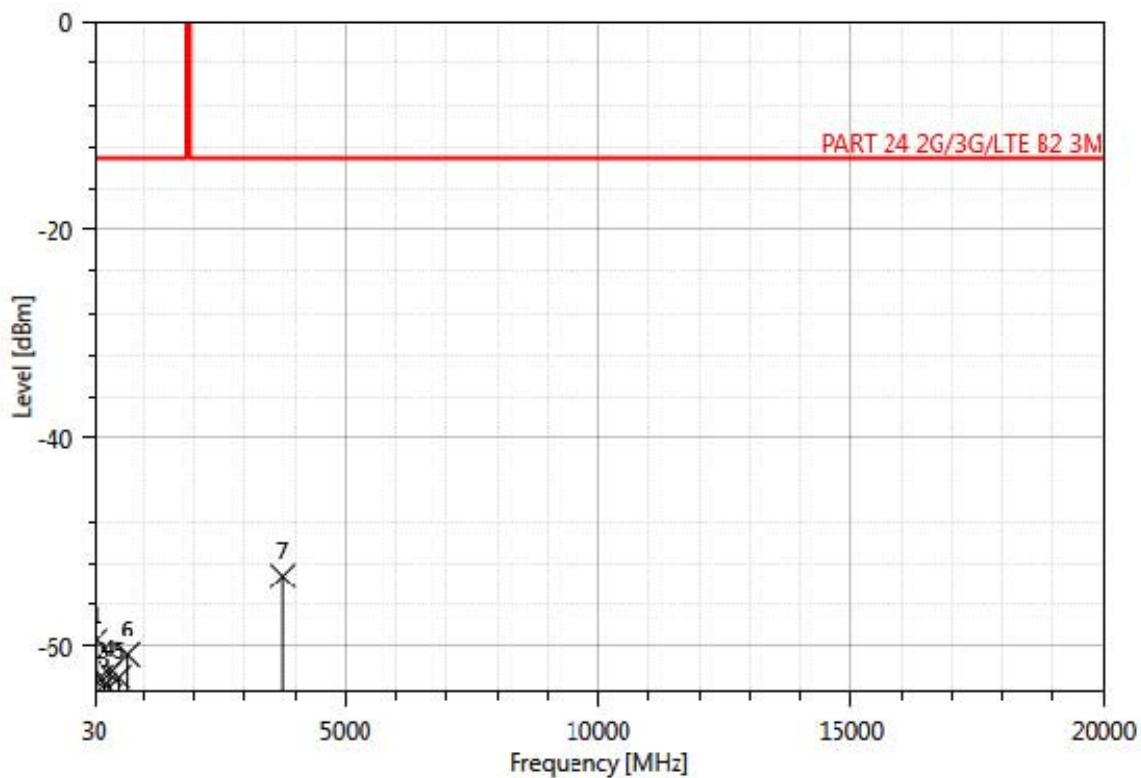
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	HSDPA B2	Test Date :	05/04/2016 09:52:37
Fundamental Frequency :	1880 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
59.10	S	Peak	-59.40	-51.50	-6.82	-1.08	-13.00	-46.40
173.56	S	Peak	-62.92	-63.28	1.89	-1.53	-13.00	-49.92
246.31	S	Peak	-63.64	-67.42	5.53	-1.75	-13.00	-50.64
340.40	S	Peak	-62.57	-66.56	5.97	-1.97	-13.00	-49.57
521.79	S	Peak	-62.92	-66.40	5.89	-2.41	-13.00	-49.92
687.66	S	Peak	-60.79	-63.28	5.25	-2.76	-13.00	-47.79
3760.00	H	Peak	-53.22	-59.07	12.45	-6.60	-13.00	-40.22

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

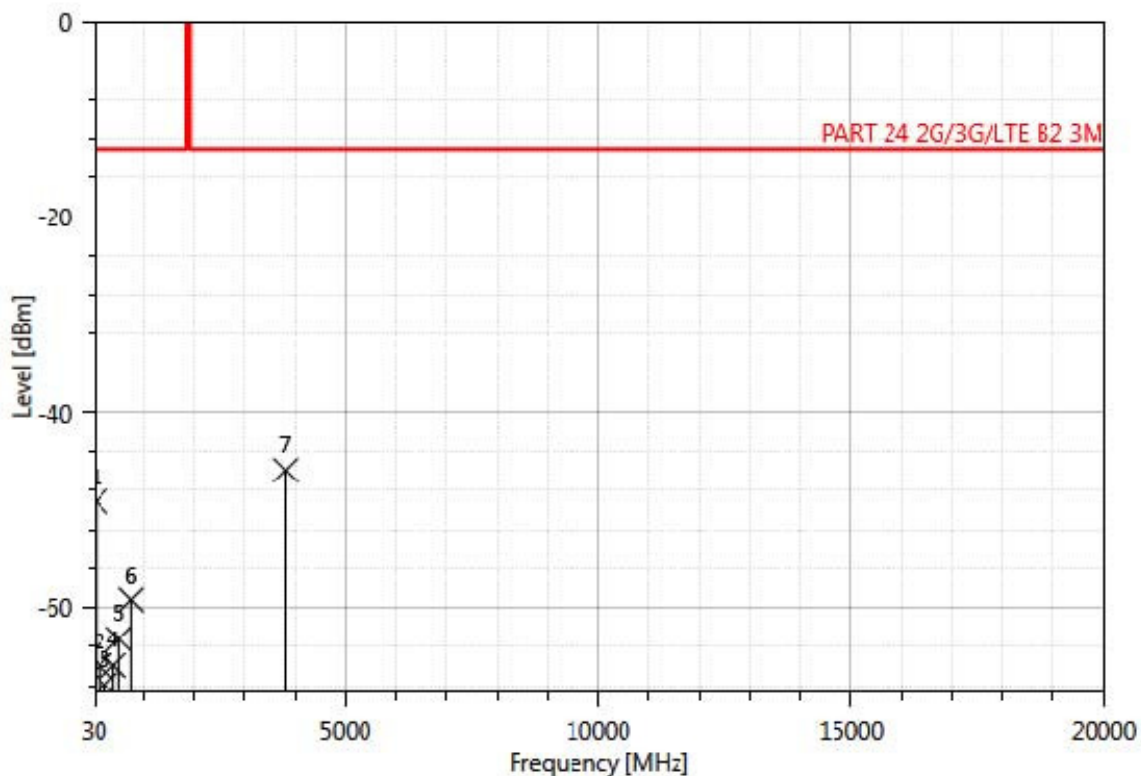
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	HSDPA B2	Test Date :	05/04/2016 09:52:51
Fundamental Frequency :	1907.6 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
59.10	S	Peak	-49.12	-41.22	-6.82	-1.08	-13.00	-36.12
138.64	S	Peak	-65.93	-64.00	-0.54	-1.39	-13.00	-52.93
246.31	S	Peak	-67.90	-71.69	5.53	-1.75	-13.00	-54.90
411.21	S	Peak	-65.92	-69.46	5.93	-2.39	-13.00	-52.92
517.91	S	Peak	-63.22	-66.76	5.91	-2.37	-13.00	-50.22
755.56	S	Peak	-59.27	-61.57	5.35	-3.04	-13.00	-46.27
3815.20	H	Peak	-45.93	-51.76	12.46	-6.63	-13.00	-32.93

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

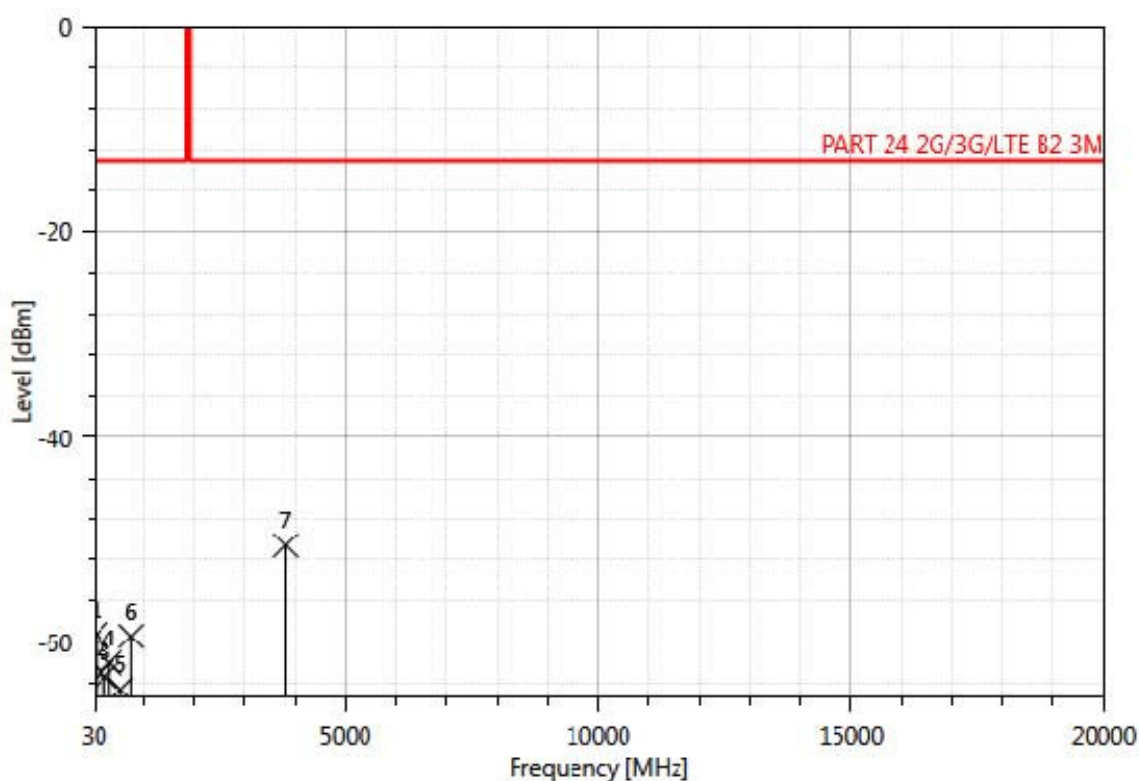
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	HSDPA B2	Test Date :	05/04/2016 09:53:05
Fundamental Frequency :	1907.6 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	dB
62.01	S	Peak	-59.28	-52.18	-6.00	-1.09	-13.00	-46.28
178.41	S	Peak	-62.99	-64.19	2.76	-1.55	-13.00	-49.99
243.40	S	Peak	-63.39	-67.13	5.49	-1.75	-13.00	-50.39
334.58	S	Peak	-62.05	-66.07	5.94	-1.92	-13.00	-49.05
549.92	S	Peak	-64.66	-67.70	5.74	-2.70	-13.00	-51.66
755.56	S	Peak	-59.46	-61.77	5.35	-3.04	-13.00	-46.46
3815.20	H	Peak	-50.60	-56.43	12.46	-6.63	-13.00	-37.60

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

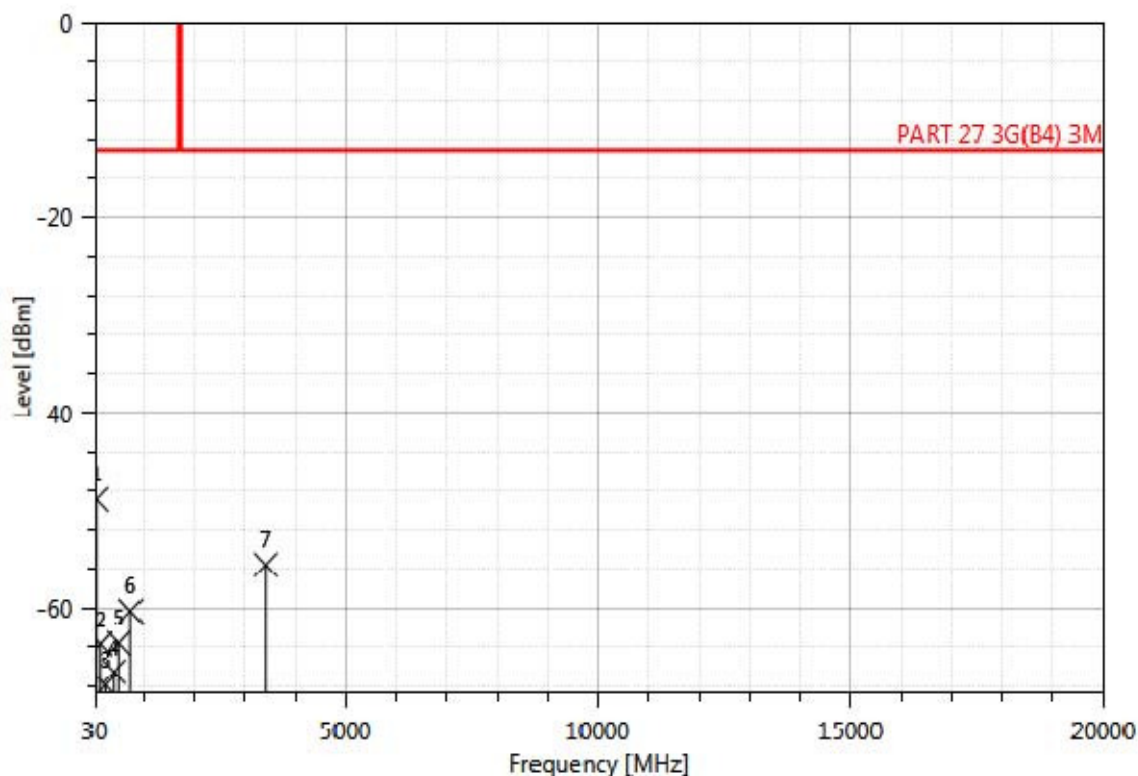
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: HSUPA IV Mode

Operation Mode :	HSUPA B4	Test Date :	05/04/2016 09:58:22
Fundamental Frequency :	1712.4 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
59.10	S	Peak	-48.79	-40.89	-6.82	-1.08	-13.00	-35.79
138.64	S	Peak	-63.64	-61.71	-0.54	-1.39	-13.00	-50.64
241.46	S	Peak	-67.84	-71.56	5.46	-1.74	-13.00	-54.84
415.09	S	Peak	-66.48	-70.03	5.92	-2.37	-13.00	-53.48
513.06	S	Peak	-63.55	-67.13	5.94	-2.35	-13.00	-50.55
745.86	S	Peak	-60.25	-62.47	5.32	-3.10	-13.00	-47.25
3424.80	H	Peak	-55.51	-61.55	12.27	-6.23	-13.00	-42.51

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

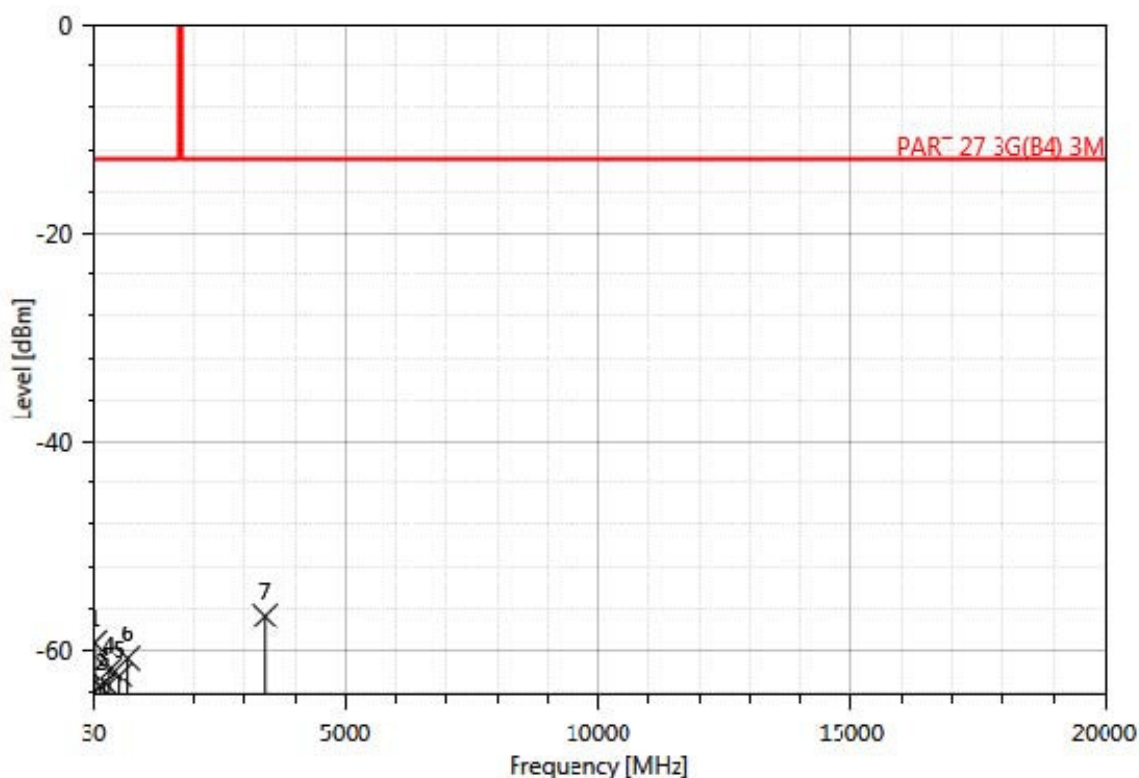
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	HSUPA B4	Test Date :	05/04/2016 09:58:36
Fundamental Frequency :	1712.4 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
62.01	S	Peak	-59.34	-52.25	-6.00	-1.09	-13.00	-46.34
173.56	S	Peak	-63.56	-63.91	1.89	-1.53	-13.00	-50.56
241.46	S	Peak	-63.13	-66.85	5.46	-1.74	-13.00	-50.13
340.40	S	Peak	-61.90	-65.90	5.97	-1.97	-13.00	-48.90
529.55	S	Peak	-62.42	-65.78	5.85	-2.49	-13.00	-49.42
689.60	S	Peak	-60.77	-63.22	5.24	-2.79	-13.00	-47.77
3424.80	H	Peak	-56.72	-62.76	12.27	-6.23	-13.00	-43.72

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

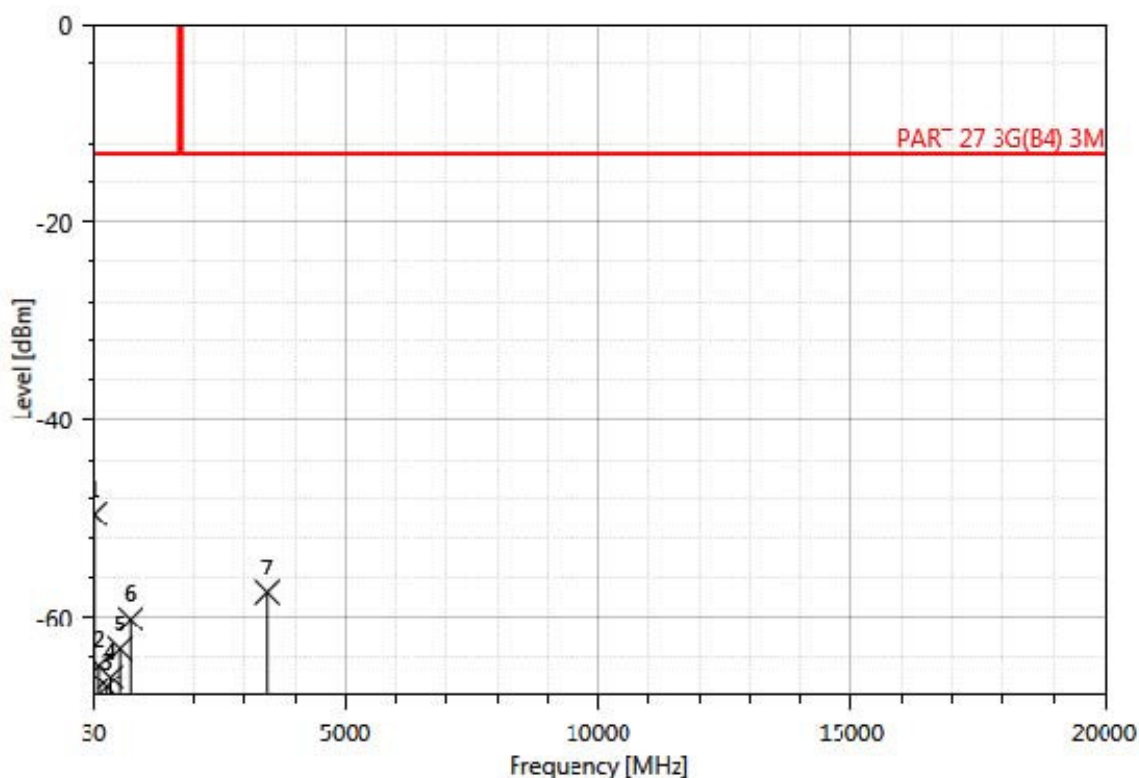
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	HSUPA B4	Test Date :	05/04/2016 09:58:49
Fundamental Frequency :	1732.6 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	dB
59.10	S	Peak	-49.52	-41.62	-6.82	-1.08	-13.00	-36.52
140.58	S	Peak	-64.87	-62.96	-0.51	-1.40	-13.00	-51.87
296.75	S	Peak	-67.05	-70.81	5.71	-1.95	-13.00	-54.05
366.59	S	Peak	-66.02	-69.84	6.00	-2.17	-13.00	-53.02
547.01	S	Peak	-63.18	-66.26	5.75	-2.67	-13.00	-50.18
749.74	S	Peak	-60.16	-62.41	5.33	-3.08	-13.00	-47.16
3465.20	H	Peak	-57.48	-63.58	12.34	-6.25	-13.00	-44.48

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

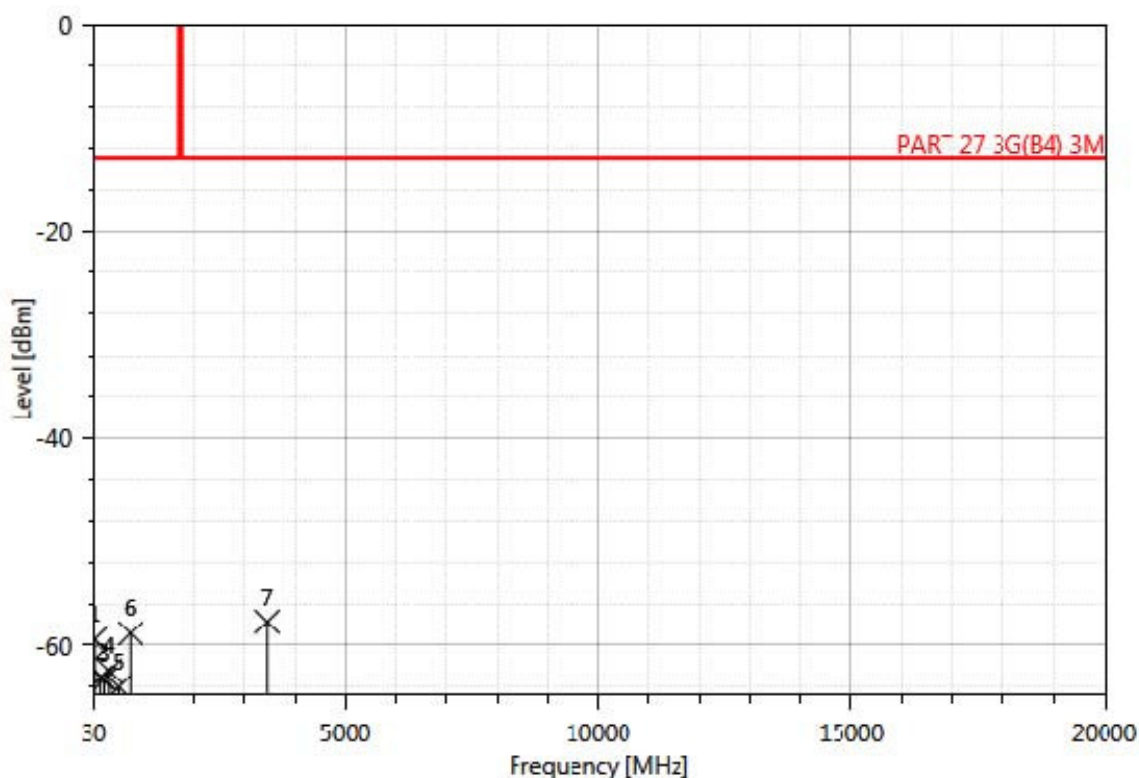
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	HSUPA B4	Test Date :	05/04/2016 09:59:03
Fundamental Frequency :	1732.6 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
62.01	S	Peak	-59.46	-52.37	-6.00	-1.09	-13.00	-46.46
173.56	S	Peak	-63.13	-63.49	1.89	-1.53	-13.00	-50.13
248.25	S	Peak	-63.33	-67.14	5.56	-1.75	-13.00	-50.33
340.40	S	Peak	-62.50	-66.49	5.97	-1.97	-13.00	-49.50
521.79	S	Peak	-64.07	-67.55	5.89	-2.41	-13.00	-51.07
749.74	S	Peak	-58.88	-61.13	5.33	-3.08	-13.00	-45.88
3465.20	H	Peak	-57.75	-63.84	12.34	-6.25	-13.00	-44.75

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

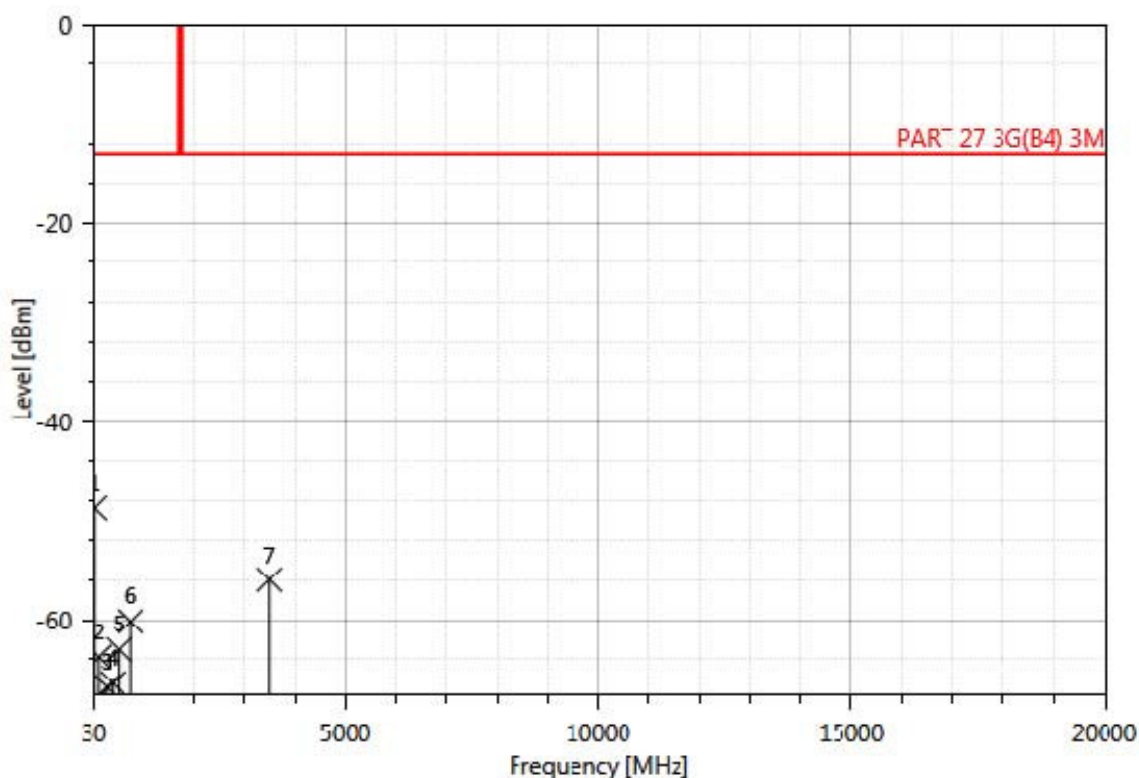
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	HSUPA B4	Test Date :	05/04/2016 09:59:17
Fundamental Frequency :	1752.6 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	dB
59.10	S	Peak	-48.68	-40.78	-6.82	-1.08	-13.00	-35.68
141.55	S	Peak	-63.74	-61.89	-0.45	-1.40	-13.00	-50.74
299.66	S	Peak	-66.78	-70.60	5.77	-1.95	-13.00	-53.78
415.09	S	Peak	-66.39	-69.94	5.92	-2.37	-13.00	-53.39
529.55	S	Peak	-62.99	-66.34	5.85	-2.49	-13.00	-49.99
747.80	S	Peak	-60.15	-62.39	5.33	-3.09	-13.00	-47.15
3505.20	H	Peak	-55.95	-61.89	12.40	-6.47	-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 www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

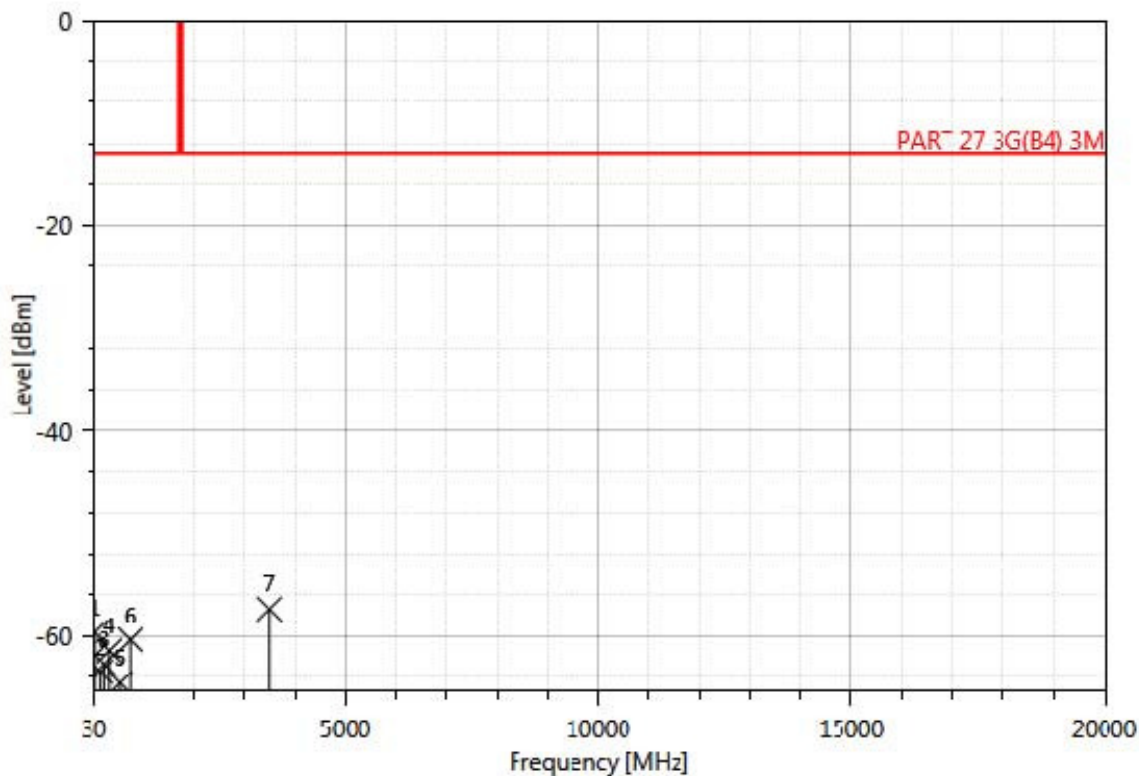
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	HSUPA B4	Test Date :	05/04/2016 09:59:30
Fundamental Frequency :	1752.6 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
62.01	S	Peak	-59.67	-52.58	-6.00	-1.09	-13.00	-46.67
172.59	S	Peak	-63.51	-63.69	1.71	-1.53	-13.00	-50.51
243.40	S	Peak	-62.73	-66.47	5.49	-1.75	-13.00	-49.73
342.34	S	Peak	-61.45	-65.44	5.98	-1.99	-13.00	-48.45
546.04	S	Peak	-64.60	-67.70	5.76	-2.66	-13.00	-51.60
747.80	S	Peak	-60.39	-62.63	5.33	-3.09	-13.00	-47.39
3505.20	H	Peak	-57.38	-63.32	12.40	-6.47	-13.00	-44.38

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

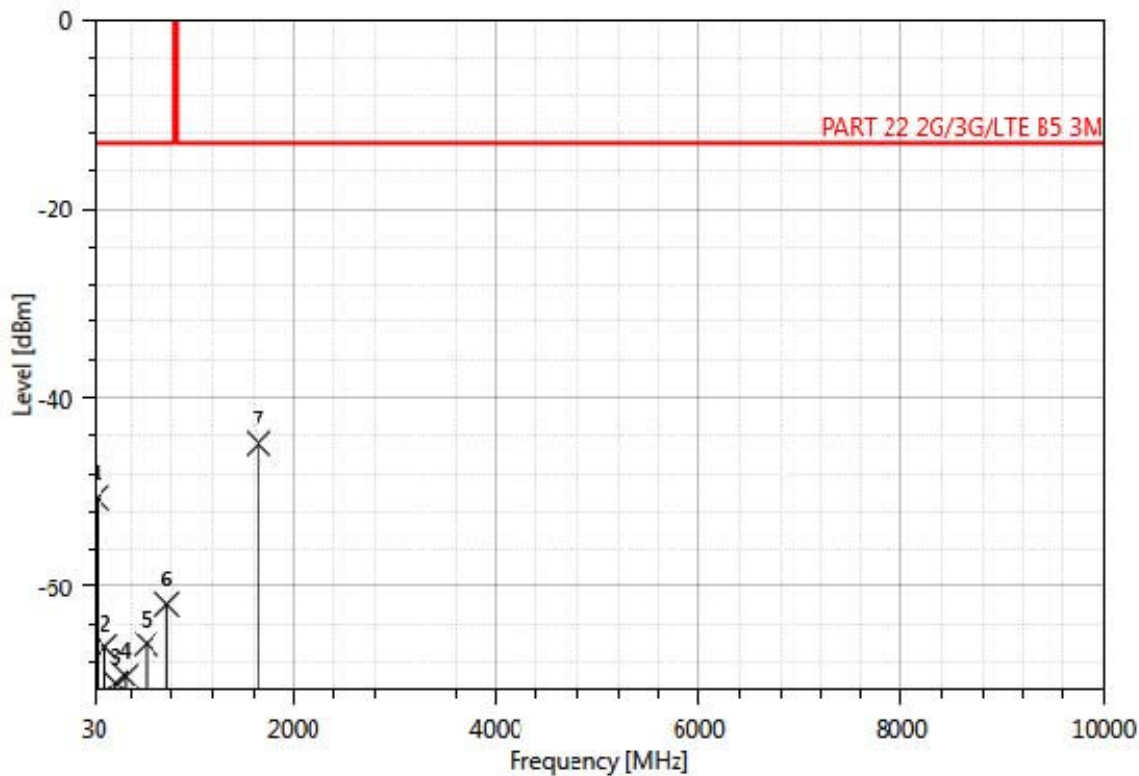
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: WCDMA V Mode

Operation Mode :	WCDMA B5	Test Date :	05/04/2016 09:40:22
Fundamental Frequency :	826.4 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
59.10	S	Peak	-50.59	-40.53	-8.97	-1.08	-13.00	-37.59
138.64	S	Peak	-66.39	-62.31	-2.69	-1.39	-13.00	-53.39
245.34	S	Peak	-70.12	-71.73	3.37	-1.75	-13.00	-57.12
343.31	S	Peak	-69.43	-71.27	3.83	-1.99	-13.00	-56.43
544.10	S	Peak	-66.06	-67.04	3.62	-2.64	-13.00	-53.06
749.74	S	Peak	-61.85	-61.95	3.18	-3.08	-13.00	-48.85
1652.80	H	Peak	-44.84	-47.72	7.12	-4.24	-13.00	-31.84

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

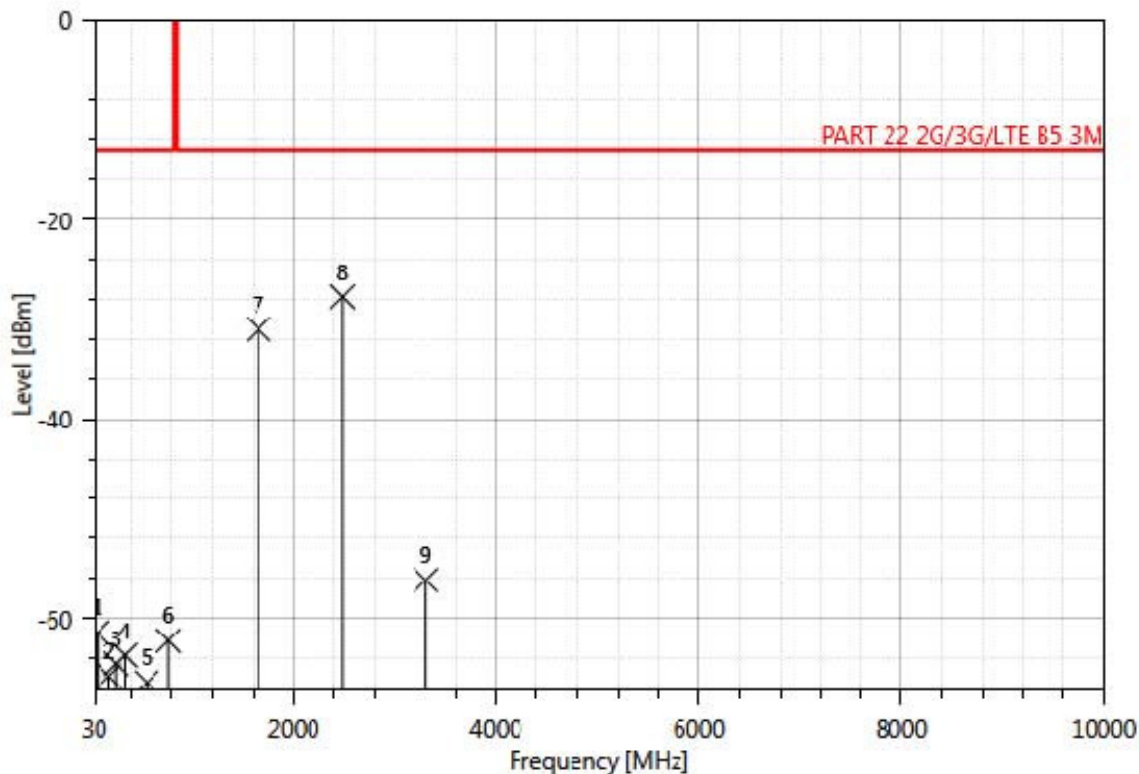
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	WCDMA B5	Test Date :	05/04/2016 09:40:29
Fundamental Frequency :	826.4 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	
62.01	S	Peak	-61.45	-52.21	-8.15	-1.09	-13.00	-48.45
177.44	S	Peak	-65.79	-64.68	0.44	-1.55	-13.00	-52.79
248.25	S	Peak	-64.54	-66.20	3.41	-1.75	-13.00	-51.54
335.55	S	Peak	-63.71	-65.57	3.80	-1.93	-13.00	-50.71
548.95	S	Peak	-66.44	-67.34	3.59	-2.69	-13.00	-53.44
764.29	S	Peak	-62.24	-62.48	3.23	-2.99	-13.00	-49.24
1652.80	H	Peak	-31.01	-33.90	7.12	-4.24	-13.00	-18.01
2479.20	H	Peak	-27.75	-31.25	8.73	-5.23	-13.00	-14.75
3305.60	H	Peak	-56.16	-59.98	9.92	-6.10	-13.00	-43.16

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

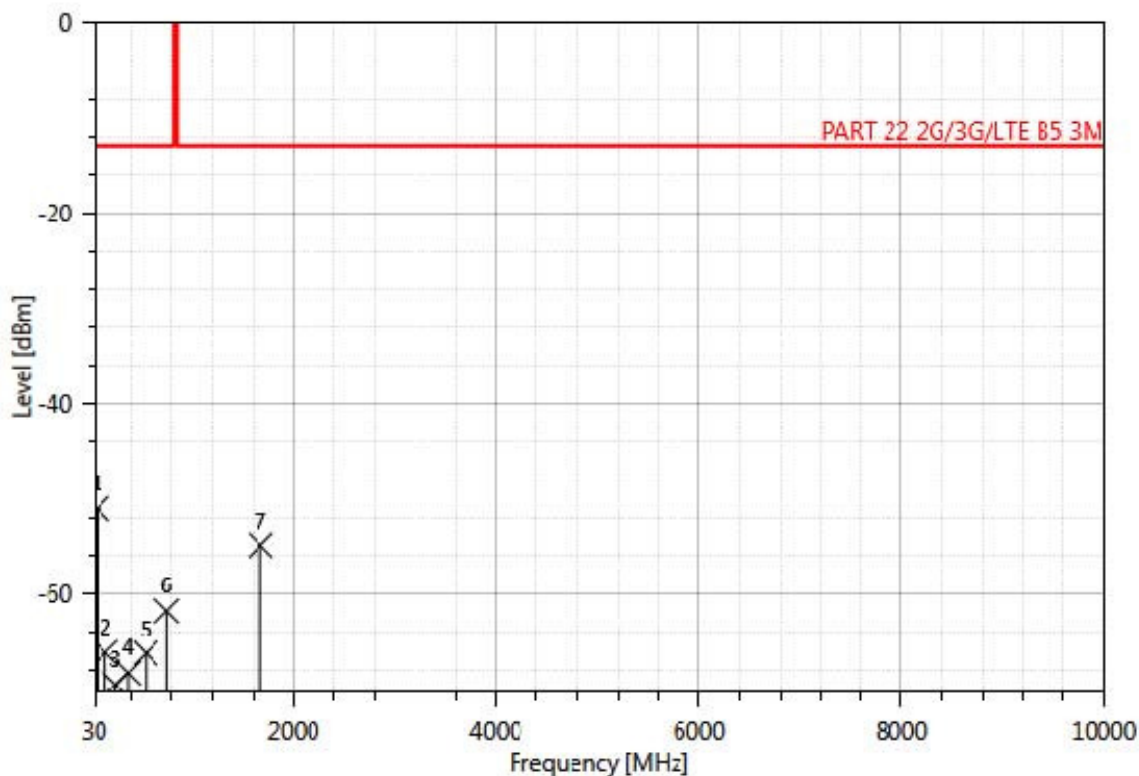
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	WCDMA B5	Test Date :	05/04/2016 09:40:37
Fundamental Frequency :	836.6 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
59.10	S	Peak	-51.08	-41.03	-8.97	-1.08	-13.00	-38.08
141.55	S	Peak	-66.23	-62.23	-2.60	-1.40	-13.00	-53.23
240.49	S	Peak	-69.59	-71.14	3.29	-1.74	-13.00	-56.59
366.59	S	Peak	-68.37	-70.04	3.85	-2.17	-13.00	-55.37
539.25	S	Peak	-66.30	-67.35	3.64	-2.59	-13.00	-53.30
747.80	S	Peak	-61.86	-61.95	3.18	-3.09	-13.00	-48.86
1673.20	H	Peak	-55.04	-57.95	7.20	-4.29	-13.00	-42.04

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

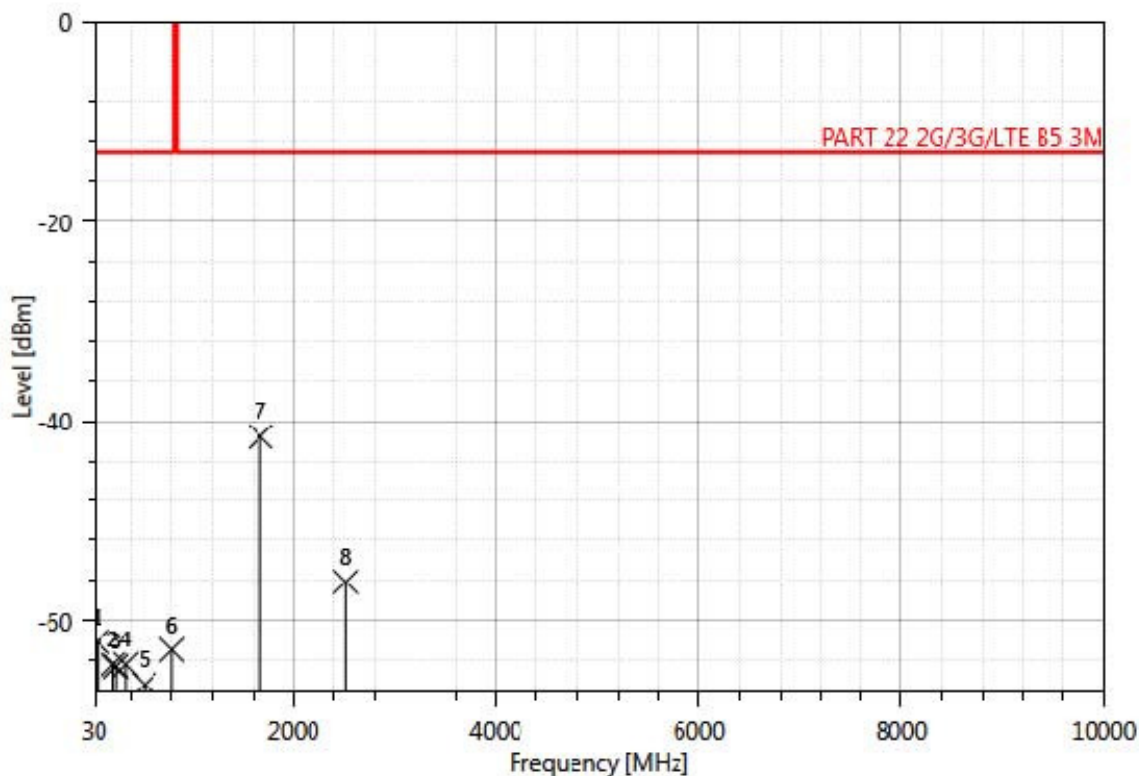
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	WCDMA B5	Test Date :	05/04/2016 09:40:44
Fundamental Frequency :	836.6 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
62.01	S	Peak	-62.14	-52.89	-8.15	-1.09	-13.00	-49.14
216.24	S	Peak	-64.42	-66.13	3.40	-1.69	-13.00	-51.42
248.25	S	Peak	-64.58	-66.24	3.41	-1.75	-13.00	-51.58
342.34	S	Peak	-64.39	-66.23	3.83	-1.99	-13.00	-51.39
526.64	S	Peak	-66.42	-67.67	3.71	-2.46	-13.00	-53.42
798.24	S	Peak	-62.94	-63.38	3.34	-2.90	-13.00	-49.94
1673.20	H	Peak	-41.56	-44.47	7.20	-4.29	-13.00	-28.56
2509.80	H	Peak	-56.13	-59.63	8.76	-5.26	-13.00	-43.13

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

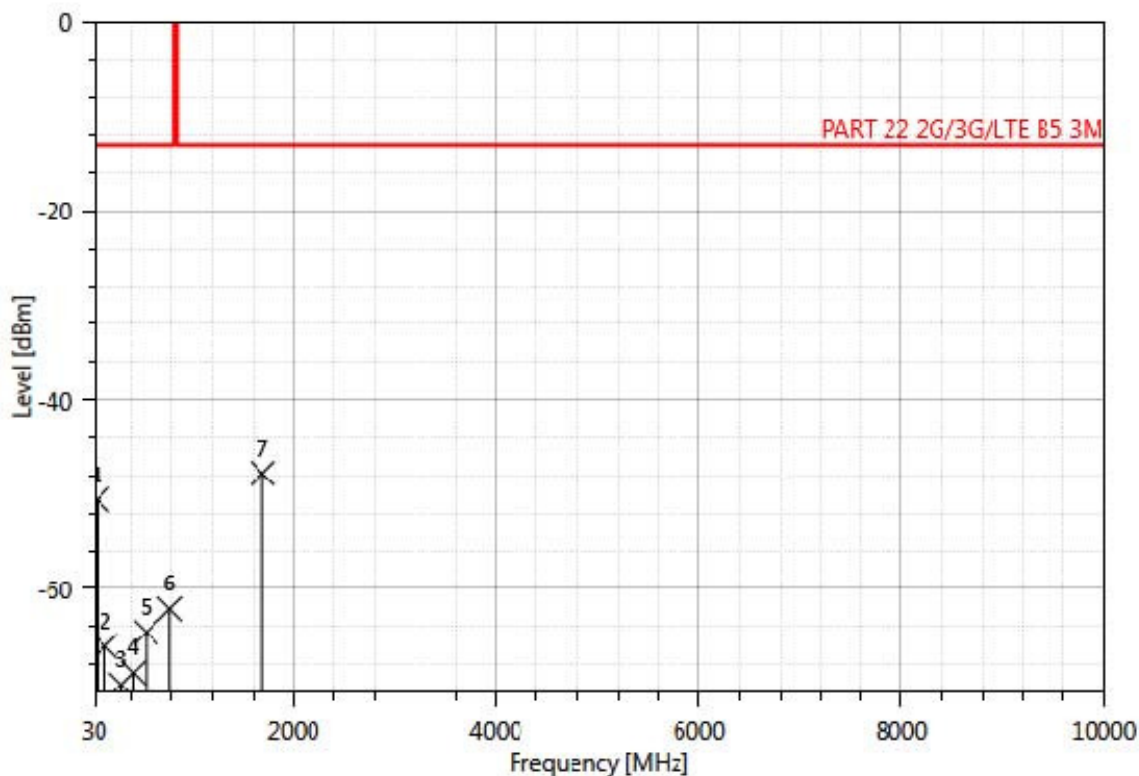
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	WCDMA B5	Test Date :	05/04/2016 09:40:52
Fundamental Frequency :	846.6 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
59.10	S	Peak	-50.55	-40.50	-8.97	-1.08	-13.00	-37.55
138.64	S	Peak	-66.08	-62.00	-2.69	-1.39	-13.00	-53.08
296.75	S	Peak	-70.13	-71.74	3.56	-1.95	-13.00	-57.13
416.06	S	Peak	-68.88	-70.28	3.76	-2.36	-13.00	-55.88
541.19	S	Peak	-64.59	-65.61	3.63	-2.61	-13.00	-51.59
776.90	S	Peak	-62.13	-62.49	3.27	-2.91	-13.00	-49.13
1693.20	H	Peak	-47.77	-50.73	7.27	-4.30	-13.00	-34.77

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

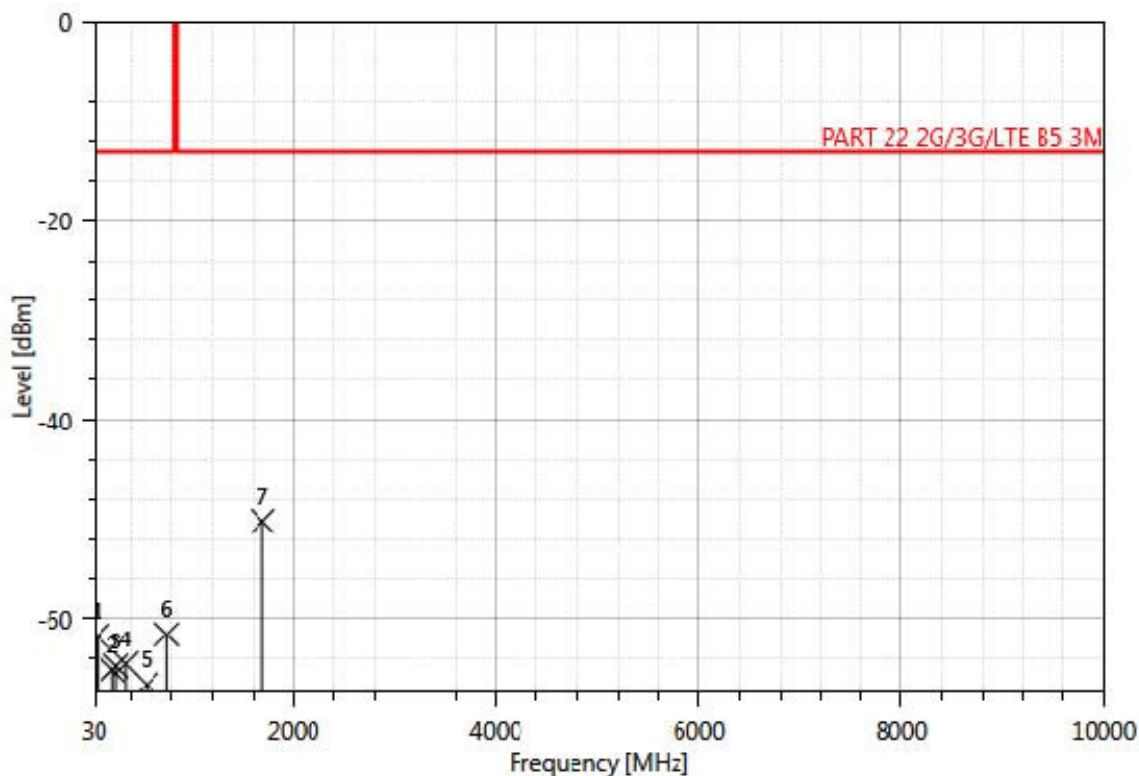
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	WCDMA B5	Test Date :	05/04/2016 09:40:59
Fundamental Frequency :	846.6 MHz	Temp. / Humi. :	24 deg_C / 61 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
62.01	S	Peak	-61.74	-52.50	-8.15	-1.09	-13.00	-48.74
212.36	S	Peak	-65.12	-66.92	3.48	-1.68	-13.00	-52.12
246.31	S	Peak	-64.74	-66.37	3.38	-1.75	-13.00	-51.74
342.34	S	Peak	-64.52	-66.36	3.83	-1.99	-13.00	-51.52
546.04	S	Peak	-66.62	-67.57	3.61	-2.66	-13.00	-53.62
749.74	S	Peak	-61.58	-61.68	3.18	-3.08	-13.00	-48.58
1693.20	H	Peak	-50.19	-53.15	7.27	-4.30	-13.00	-37.19

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

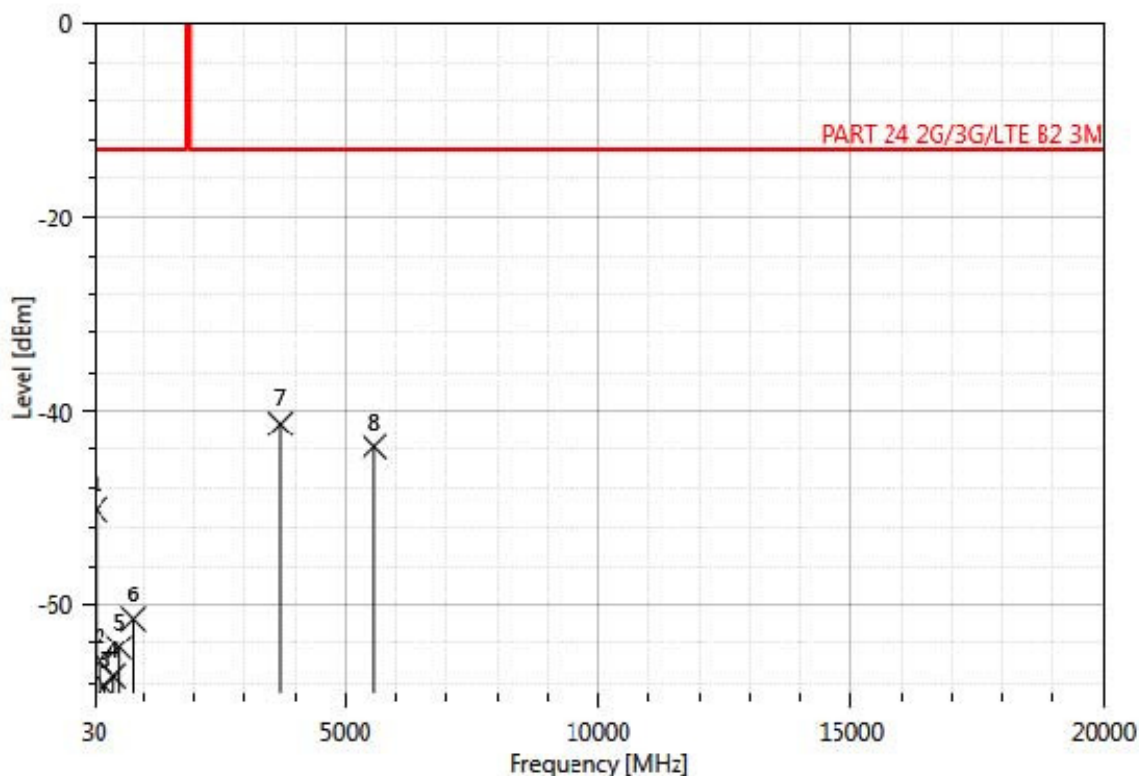
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 2 QPSK RB 1 0 (The Worst Case)

Operation Mode :	LTE B2	Test Date :	05/04/2016 10:08:42
Fundamental Frequency :	1857.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
59.10	S	Peak	-50.17	-42.27	-6.82	-1.08	-13.00	-37.17
143.49	S	Peak	-65.77	-64.03	-0.33	-1.41	-13.00	-52.77
251.16	S	Peak	-68.33	-72.19	5.62	-1.76	-13.00	-55.33
413.15	S	Peak	-67.30	-70.84	5.92	-2.38	-13.00	-54.30
526.64	S	Peak	-64.39	-67.79	5.86	-2.46	-13.00	-51.39
799.21	S	Peak	-61.46	-64.05	5.49	-2.90	-13.00	-48.46
3715.00	H	Peak	-41.32	-47.18	12.44	-6.58	-13.00	-28.32
5572.50	H	Peak	-43.71	-48.31	12.90	-8.30	-13.00	-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 www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

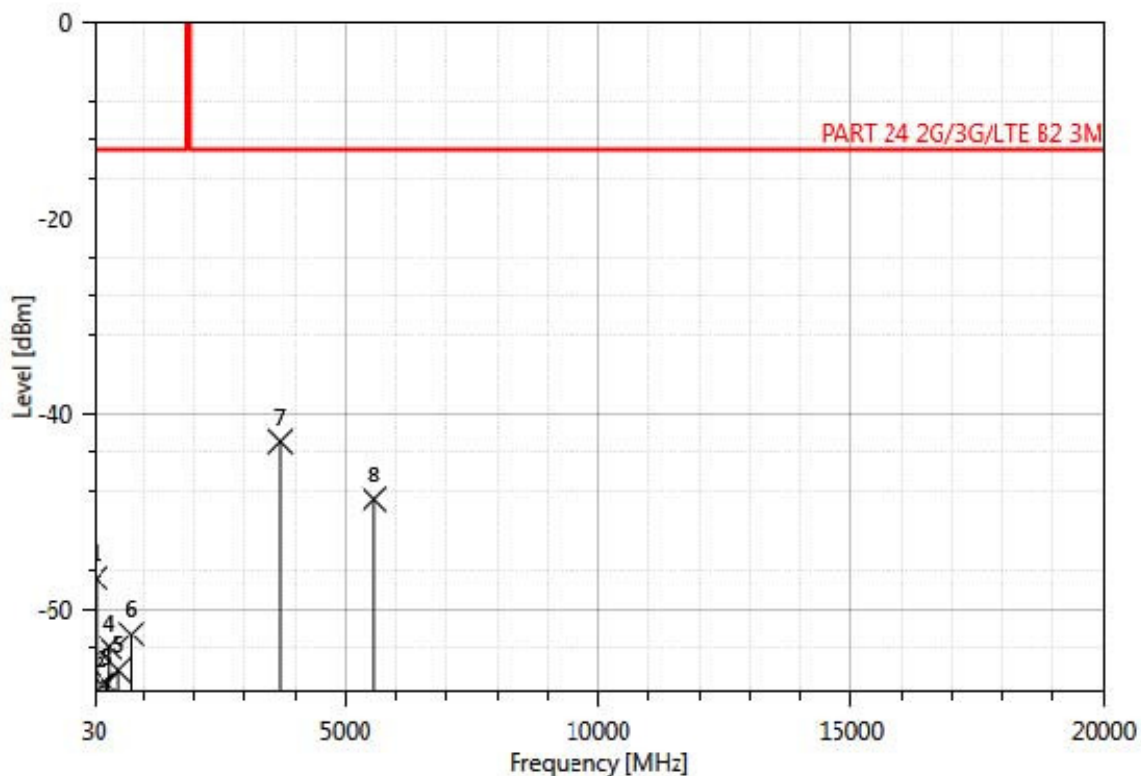
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B2	Test Date :	05/04/2016 10:08:56
Fundamental Frequency :	1857.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
62.01	S	Peak	-56.84	-49.75	-6.00	-1.09	-13.00	-43.84
172.59	S	Peak	-67.69	-67.88	1.71	-1.53	-13.00	-54.69
287.05	S	Peak	-67.55	-71.22	5.58	-1.91	-13.00	-54.55
335.55	S	Peak	-63.89	-67.91	5.95	-1.93	-13.00	-50.89
510.15	S	Peak	-66.20	-69.81	5.95	-2.34	-13.00	-53.20
759.44	S	Peak	-62.55	-64.89	5.36	-3.02	-13.00	-49.55
3715.00	H	Peak	-42.91	-48.77	12.44	-6.58	-13.00	-29.91
5572.50	H	Peak	-48.79	-53.39	12.90	-8.30	-13.00	-35.79

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

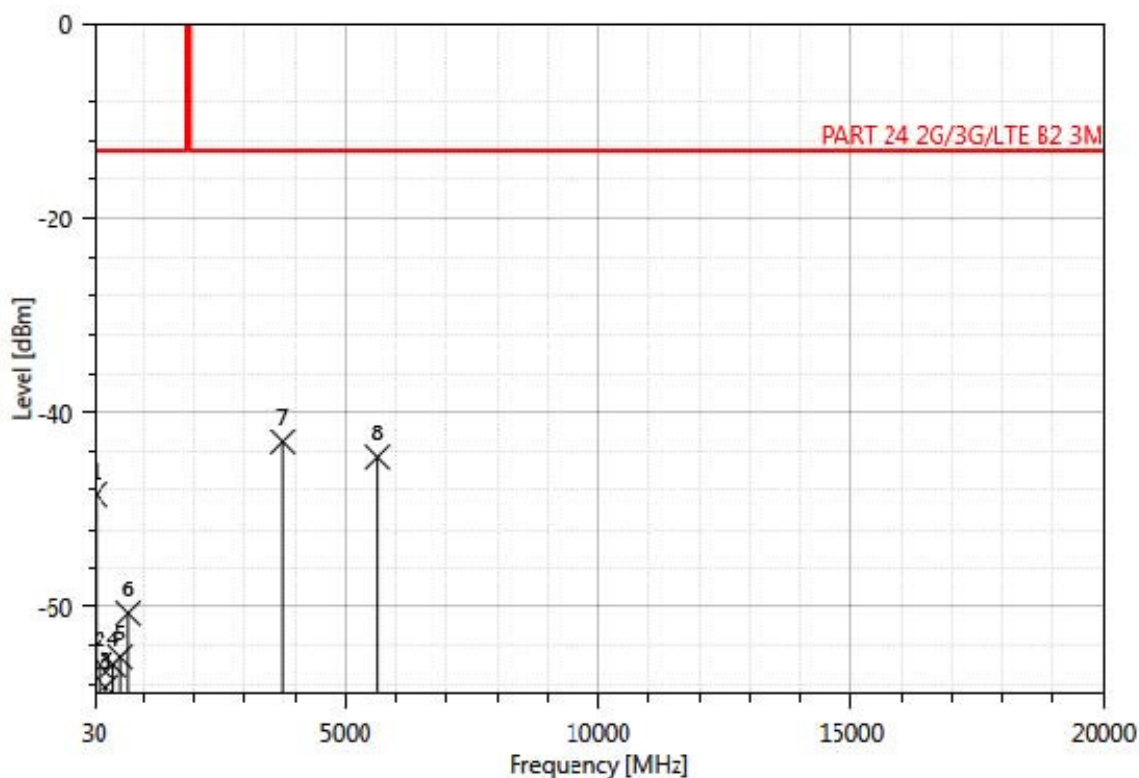
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B2	Test Date :	05/04/2016 10:09:10
Fundamental Frequency :	1880.0 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
59.10	S	Peak	-48.47	-40.57	-6.82	-1.08	-13.00	-35.47
144.46	S	Peak	-65.98	-64.30	-0.28	-1.41	-13.00	-52.98
264.74	S	Peak	-68.19	-72.14	5.75	-1.80	-13.00	-55.19
411.21	S	Peak	-65.94	-69.48	5.93	-2.39	-13.00	-52.94
547.01	S	Peak	-65.18	-68.26	5.75	-2.67	-13.00	-52.18
699.30	S	Peak	-60.65	-62.92	5.23	-2.96	-13.00	-47.65
3760.00	H	Peak	-43.04	-48.90	12.45	-6.60	-13.00	-30.04
5640.00	H	Peak	-44.58	-49.11	12.90	-8.36	-13.00	-31.58

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

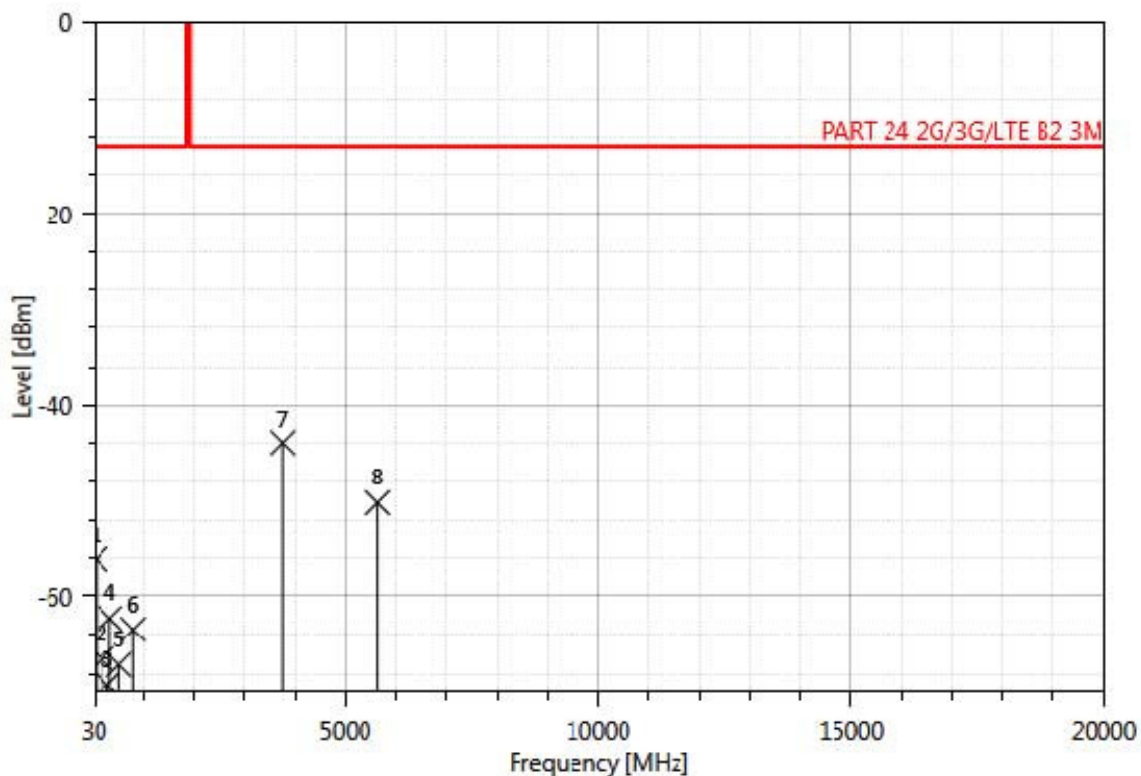
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B2	Test Date :	05/04/2016 10:09:23
Fundamental Frequency :	1880.0 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
62.01	S	Peak	-56.07	-48.98	-6.00	-1.09	-13.00	-43.07
177.44	S	Peak	-66.49	-67.52	2.59	-1.55	-13.00	-53.49
289.96	S	Peak	-69.17	-72.83	5.58	-1.92	-13.00	-56.17
342.34	S	Peak	-62.29	-66.29	5.98	-1.99	-13.00	-49.29
519.85	S	Peak	-67.05	-70.56	5.90	-2.39	-13.00	-54.05
793.39	S	Peak	-63.42	-65.99	5.47	-2.90	-13.00	-50.42
3760.00	H	Peak	-44.00	-49.86	12.45	-6.60	-13.00	-31.00
5640.00	H	Peak	-50.18	-54.71	12.90	-8.36	-13.00	-37.18

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

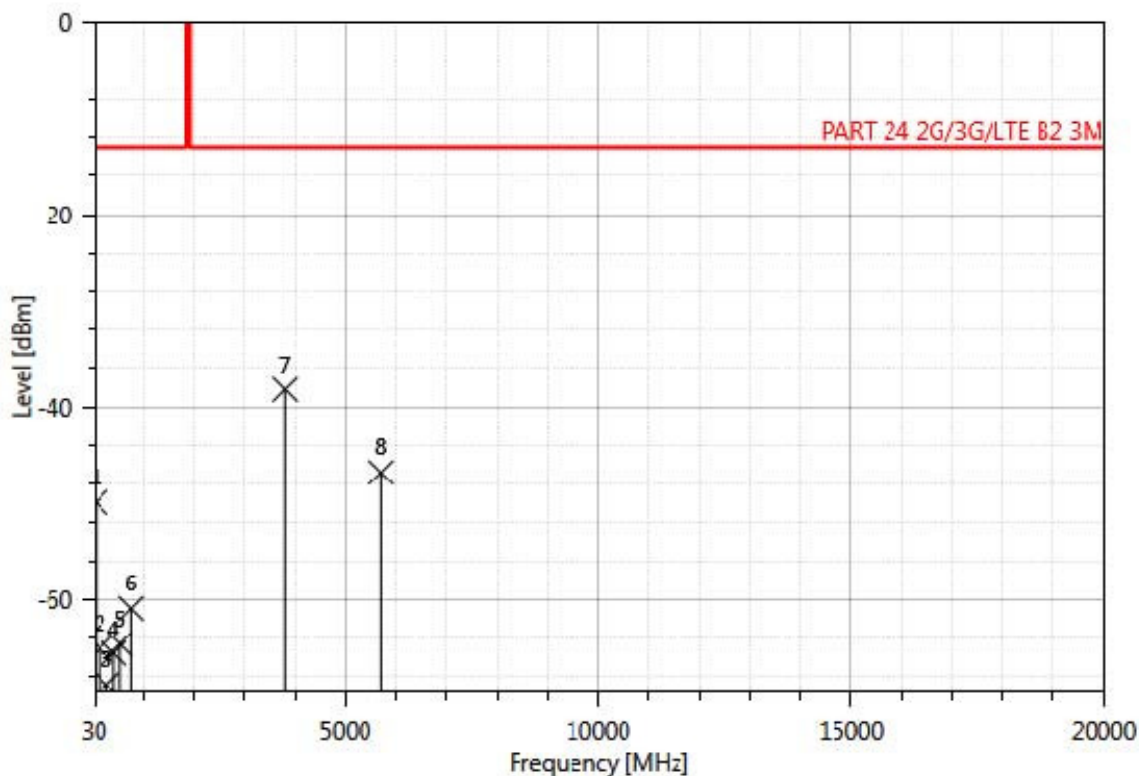
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B2	Test Date :	05/04/2016 10:09:37
Fundamental Frequency :	1902.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
59.10	S	Peak	-49.89	-41.99	-6.82	-1.08	-13.00	-36.89
143.49	S	Peak	-65.10	-63.36	-0.33	-1.41	-13.00	-52.10
280.26	S	Peak	-68.84	-72.54	5.57	-1.88	-13.00	-55.84
419.94	S	Peak	-65.59	-69.16	5.90	-2.33	-13.00	-52.59
541.19	S	Peak	-64.62	-67.79	5.78	-2.61	-13.00	-51.62
757.50	S	Peak	-60.95	-63.28	5.36	-3.03	-13.00	-47.95
3805.00	H	Peak	-38.21	-44.05	12.46	-6.62	-13.00	-25.21
5707.50	H	Peak	-46.81	-51.35	12.90	-8.36	-13.00	-33.81

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

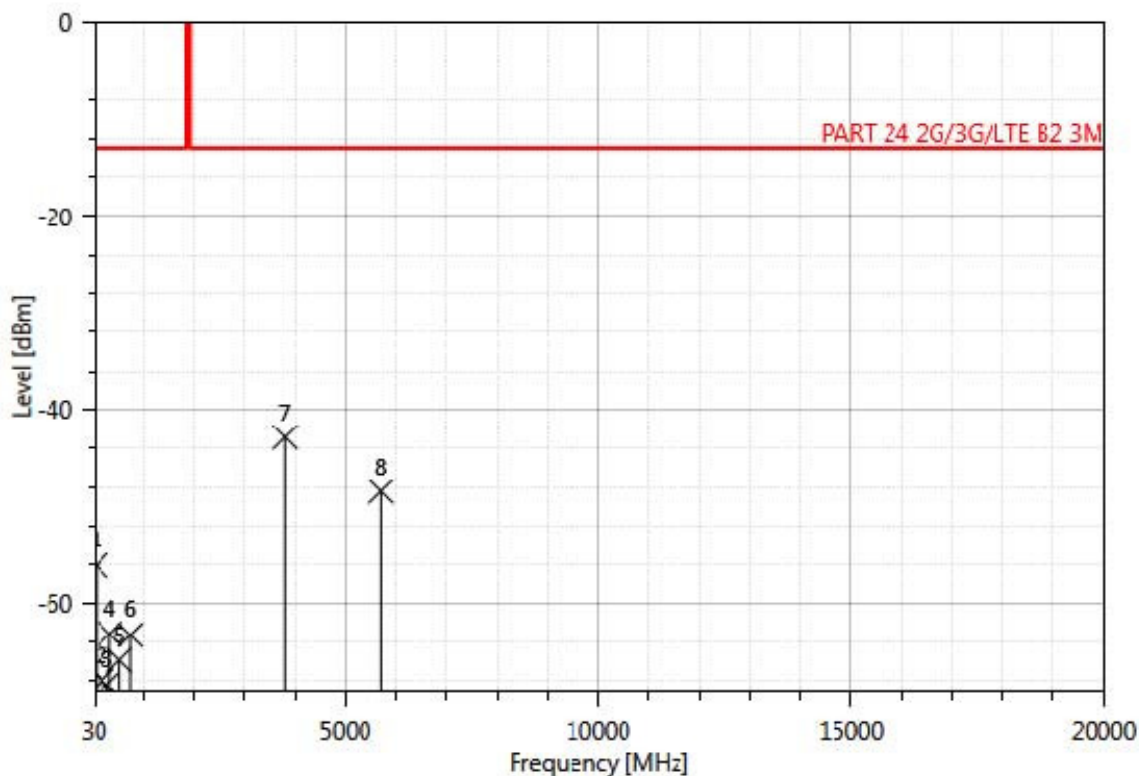
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B2	Test Date :	05/04/2016 10:09:51
Fundamental Frequency :	1902.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	QP/AV/PK	Level dBm	Level dBm	Gain dBi	Loss dB	@3m dBm	dB
62.01	S	Peak	-56.05	-48.96	-6.00	-1.09	-13.00	-43.05
177.44	S	Peak	-67.96	-68.99	2.59	-1.55	-13.00	-54.96
282.20	S	Peak	-68.39	-72.08	5.57	-1.89	-13.00	-55.39
340.40	S	Peak	-63.16	-67.16	5.97	-1.97	-13.00	-50.16
526.64	S	Peak	-65.85	-69.25	5.86	-2.46	-13.00	-52.85
741.01	S	Peak	-63.29	-65.47	5.31	-3.13	-13.00	-50.29
3805.00	H	Peak	-42.86	-48.70	12.46	-6.62	-13.00	-29.86
5707.50	H	Peak	-48.45	-53.00	12.90	-8.36	-13.00	-35.45

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

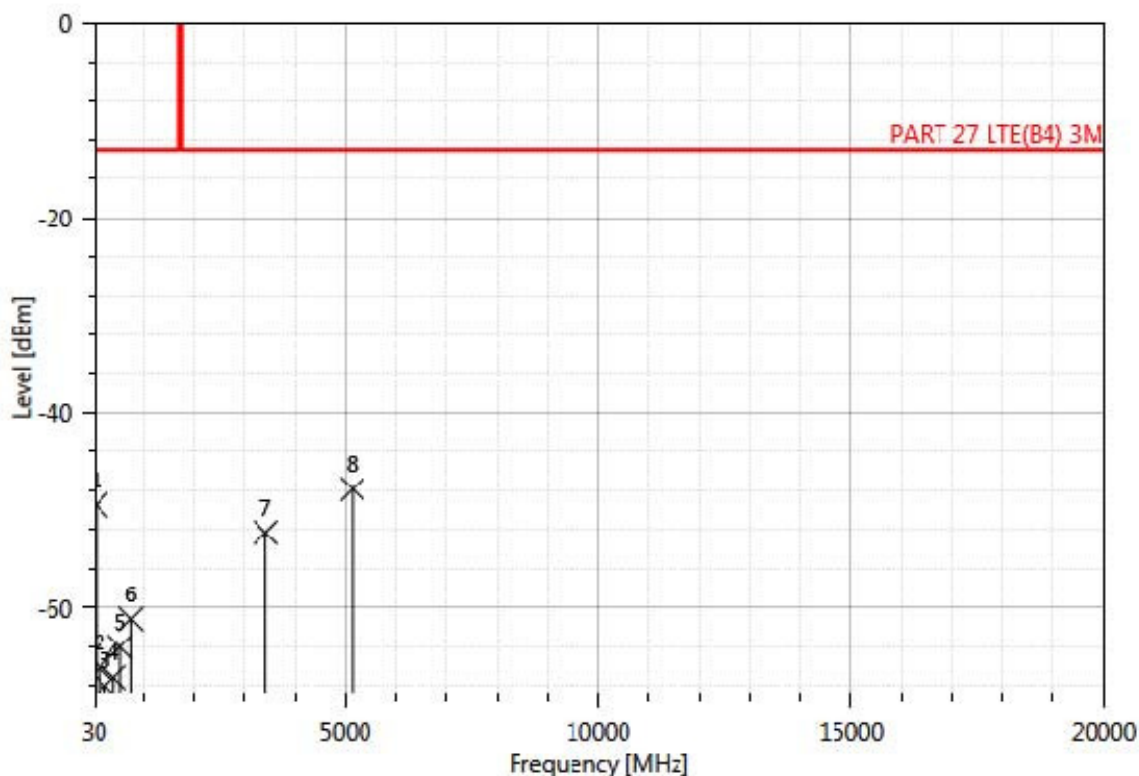
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: 3MHz BW LTE-Band 4 16QAM RB 1 0 (The Worst Case)

Operation Mode :	LTE B4	Test Date :	05/04/2016 10:12:12
Fundamental Frequency :	1711.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
62.01	S	Peak	-49.49	-42.40	-6.00	-1.09	-13.00	-36.49
140.58	S	Peak	-66.15	-64.24	-0.51	-1.40	-13.00	-53.15
246.31	S	Peak	-68.04	-71.82	5.53	-1.75	-13.00	-55.04
413.15	S	Peak	-67.18	-70.72	5.92	-2.38	-13.00	-54.18
542.16	S	Peak	-64.07	-67.22	5.78	-2.62	-13.00	-51.07
754.59	S	Peak	-61.17	-63.47	5.35	-3.05	-13.00	-48.17
3423.00	H	Peak	-52.31	-58.35	12.27	-6.23	-13.00	-39.31
5134.50	H	Peak	-47.85	-52.68	12.76	-7.92	-13.00	-34.85

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

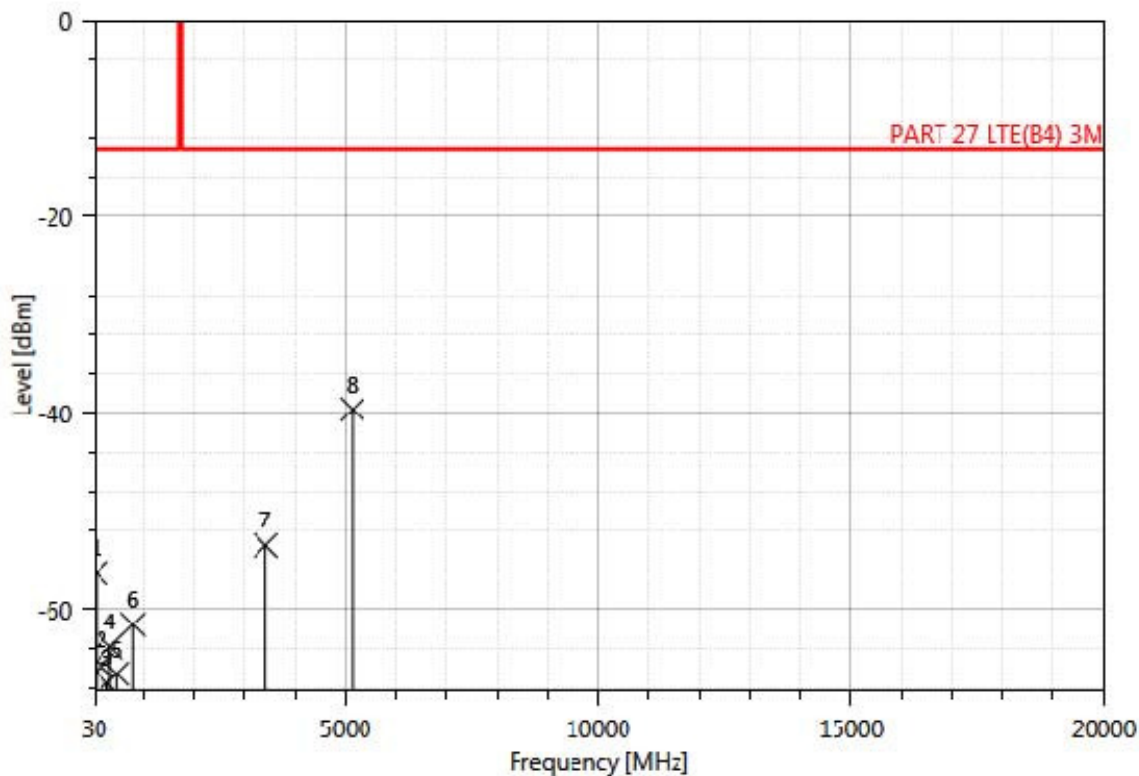
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B4	Test Date :	05/04/2016 10:12:26
Fundamental Frequency :	1711.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	dB
62.01	S	Peak	-56.30	-49.21	-6.00	-1.09	-13.00	-43.30
173.56	S	Peak	-65.74	-66.09	1.89	-1.53	-13.00	-52.74
287.05	S	Peak	-67.51	-71.18	5.58	-1.91	-13.00	-54.51
348.16	S	Peak	-63.80	-67.78	6.00	-2.03	-13.00	-50.80
479.11	S	Peak	-66.58	-70.26	5.92	-2.24	-13.00	-53.58
791.45	S	Peak	-61.55	-64.11	5.47	-2.90	-13.00	-48.55
3423.00	H	Peak	-53.47	-59.51	12.27	-6.23	-13.00	-40.47
5134.50	H	Peak	-39.62	-44.45	12.76	-7.92	-13.00	-26.62

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

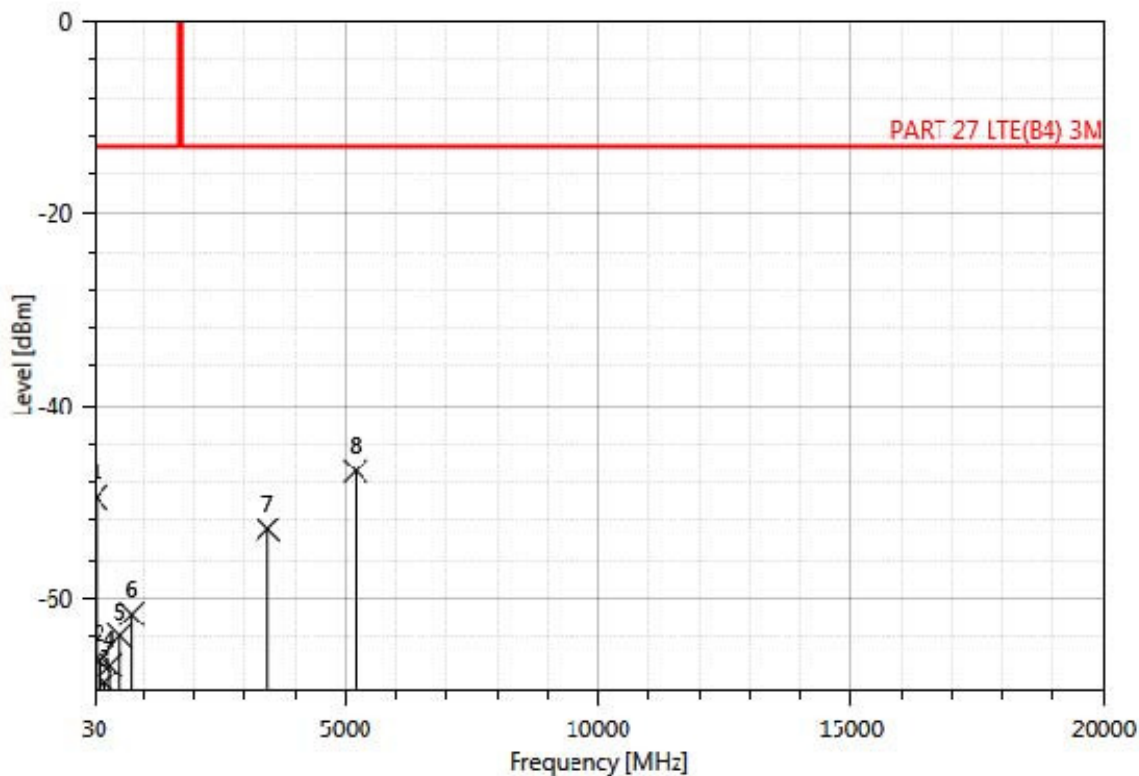
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B4	Test Date :	05/04/2016 10:12:40
Fundamental Frequency :	1732.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
62.01	S	Peak	-49.53	-42.44	-6.00	-1.09	-13.00	-36.53
129.91	S	Peak	-66.38	-64.53	-0.49	-1.36	-13.00	-53.38
245.34	S	Peak	-68.83	-72.60	5.52	-1.75	-13.00	-55.83
345.25	S	Peak	-66.95	-70.93	5.99	-2.01	-13.00	-53.95
536.34	S	Peak	-63.93	-67.18	5.81	-2.56	-13.00	-50.93
767.20	S	Peak	-61.65	-64.07	5.39	-2.97	-13.00	-48.65
3465.00	H	Peak	-52.87	-58.96	12.34	-6.25	-13.00	-39.87
5197.50	H	Peak	-46.80	-51.63	12.78	-7.96	-13.00	-33.80

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

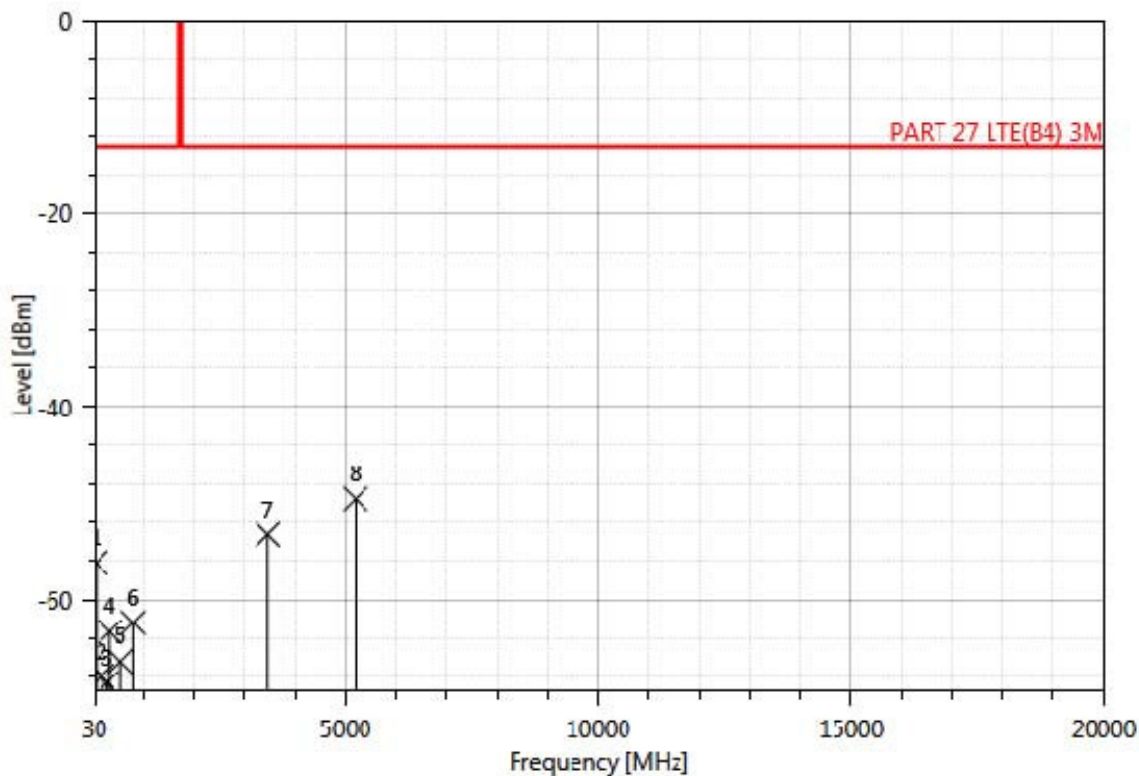
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B4	Test Date :	05/04/2016 10:12:54
Fundamental Frequency :	1732.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
62.01	S	Peak	-56.19	-49.10	-6.00	-1.09	-13.00	-43.19
177.44	S	Peak	-67.90	-68.94	2.59	-1.55	-13.00	-54.90
282.20	S	Peak	-68.65	-72.34	5.57	-1.89	-13.00	-55.65
340.40	S	Peak	-63.32	-67.32	5.97	-1.97	-13.00	-50.32
547.01	S	Peak	-66.40	-69.49	5.75	-2.67	-13.00	-53.40
794.36	S	Peak	-62.39	-64.97	5.47	-2.90	-13.00	-49.39
3465.00	H	Peak	-53.28	-59.37	12.34	-6.25	-13.00	-40.28
5197.50	H	Peak	-49.53	-54.36	12.78	-7.96	-13.00	-36.53

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

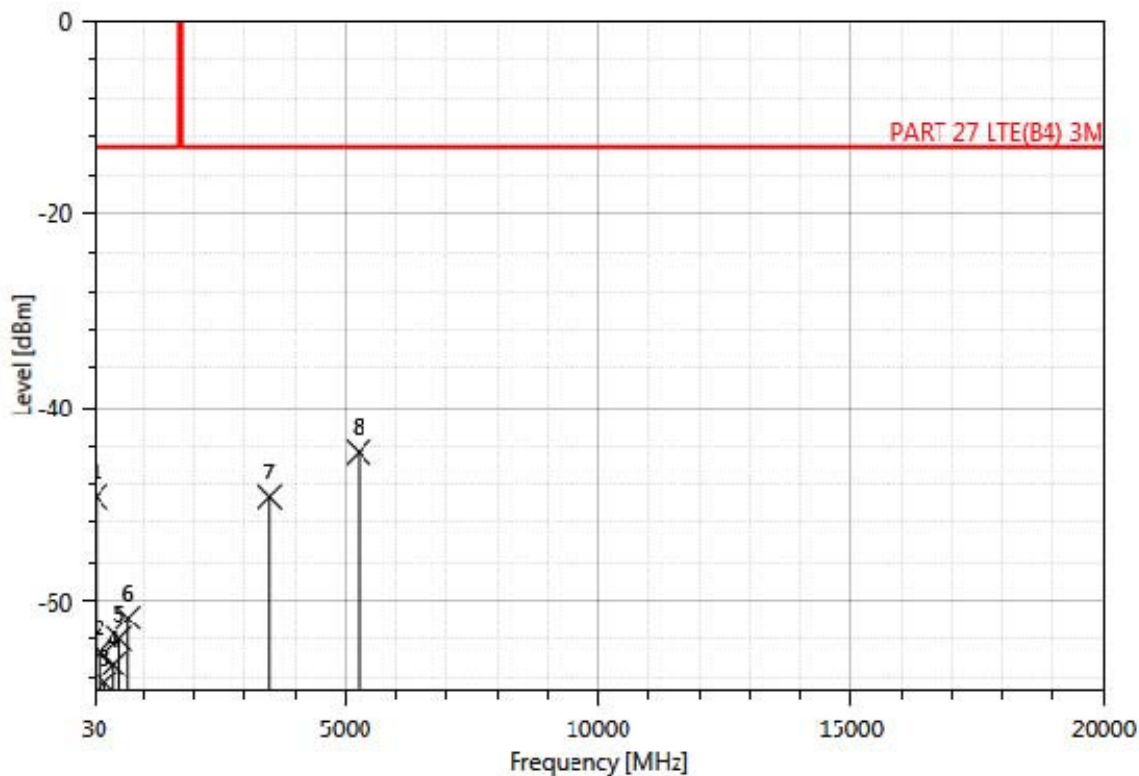
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B4	Test Date :	05/04/2016 10:13:08
Fundamental Frequency :	1753.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	dB
59.10	S	Peak	-49.24	-41.34	-6.82	-1.08	-13.00	-36.24
136.70	S	Peak	-65.33	-63.41	-0.53	-1.38	-13.00	-52.33
241.46	S	Peak	-68.53	-72.24	5.46	-1.74	-13.00	-55.53
416.06	S	Peak	-66.56	-70.11	5.91	-2.36	-13.00	-53.56
522.76	S	Peak	-63.93	-67.40	5.88	-2.42	-13.00	-50.93
694.45	S	Peak	-61.77	-64.13	5.24	-2.88	-13.00	-48.77
3507.00	H	Peak	-49.25	-55.17	12.40	-6.48	-13.00	-36.25
5260.50	H	Peak	-44.61	-49.39	12.81	-8.02	-13.00	-31.61

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

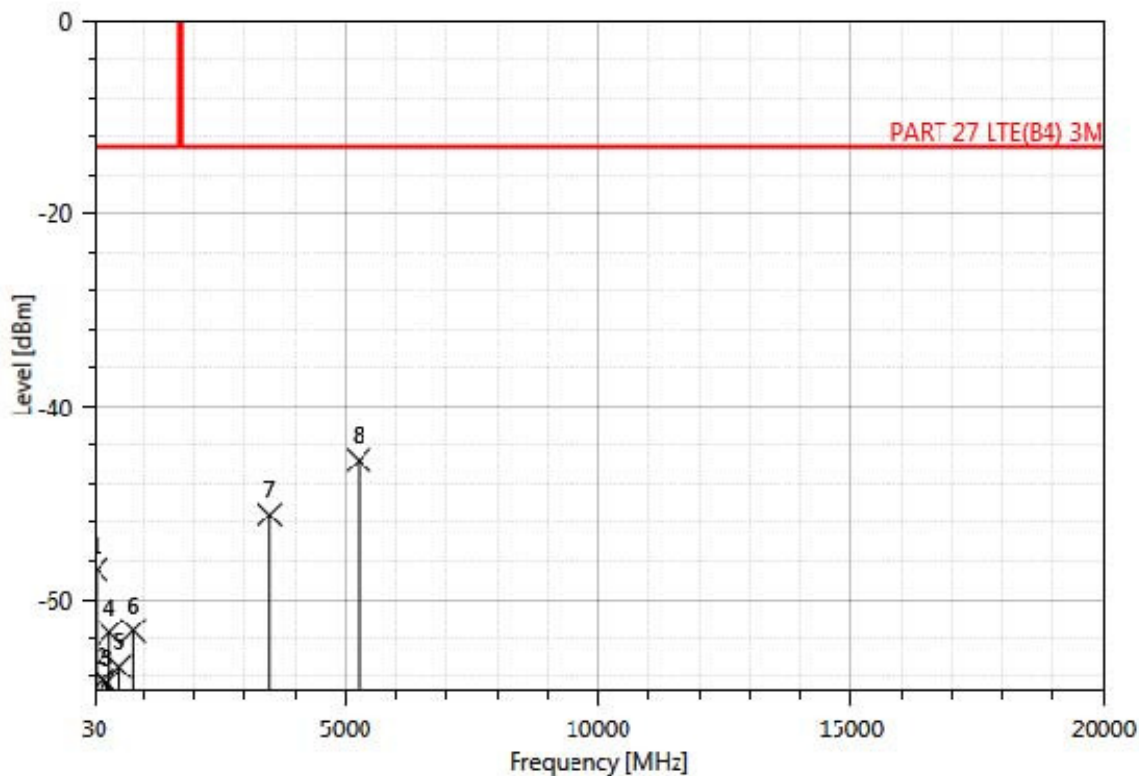
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B4	Test Date :	05/04/2016 10:13:21
Fundamental Frequency :	1753.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
62.01	S	Peak	-56.88	-49.79	-6.00	-1.09	-13.00	-43.88
177.44	S	Peak	-68.37	-69.40	2.59	-1.55	-13.00	-55.37
287.05	S	Peak	-68.64	-72.31	5.58	-1.91	-13.00	-55.64
335.55	S	Peak	-63.43	-67.44	5.95	-1.93	-13.00	-50.43
522.76	S	Peak	-66.93	-70.39	5.88	-2.42	-13.00	-53.93
796.30	S	Peak	-63.22	-65.80	5.48	-2.90	-13.00	-50.22
3507.00	H	Peak	-51.20	-57.12	12.40	-6.48	-13.00	-38.20
5260.50	H	Peak	-45.54	-50.33	12.81	-8.02	-13.00	-32.54

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

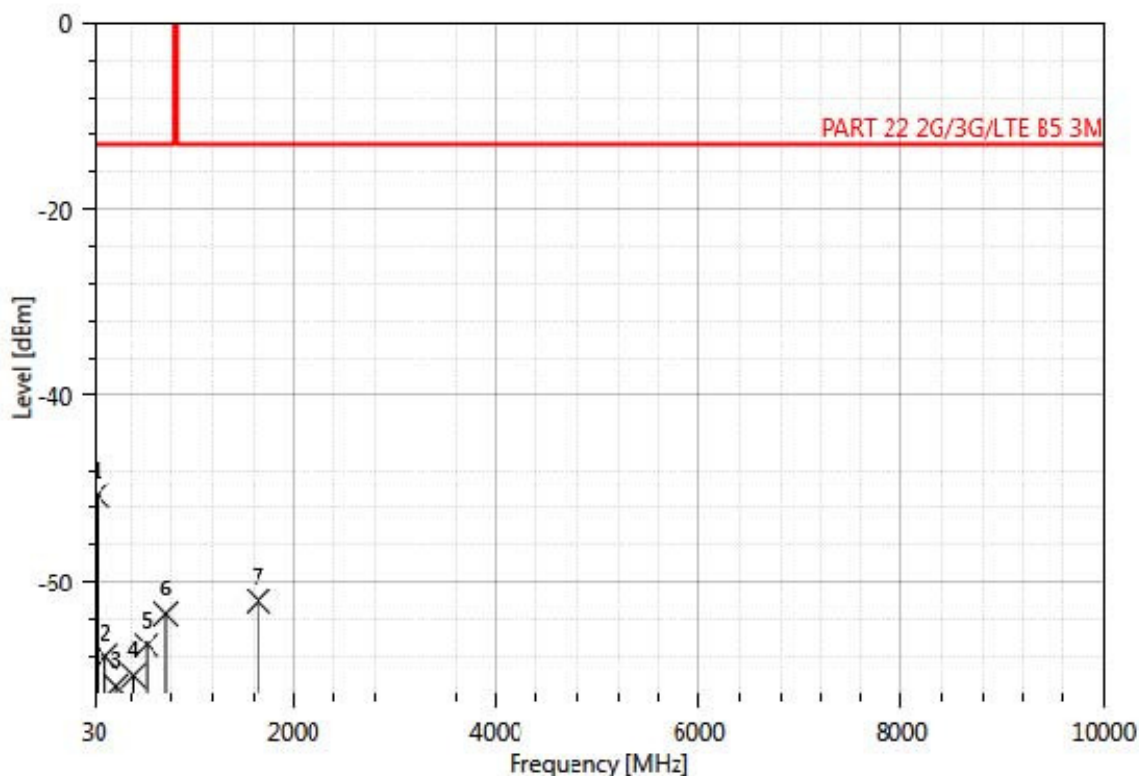
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 5 QPSK RB 1 0 (The Worst Case)

Operation Mode :	LTE B5	Test Date :	05/04/2016 10:01:39
Fundamental Frequency :	825.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	
59.10	S	Peak	-50.70	-40.65	-8.97	-1.08	-13.00	-37.70
141.55	S	Peak	-68.05	-64.05	-2.60	-1.40	-13.00	-55.05
248.25	S	Peak	-71.14	-72.80	3.41	-1.75	-13.00	-58.14
415.09	S	Peak	-70.04	-71.44	3.77	-2.37	-13.00	-57.04
547.01	S	Peak	-66.78	-67.71	3.60	-2.67	-13.00	-53.78
741.01	S	Peak	-63.45	-63.48	3.16	-3.13	-13.00	-50.45
1651.00	H	Peak	-62.10	-67.13	9.27	-4.23	-13.00	-49.10

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

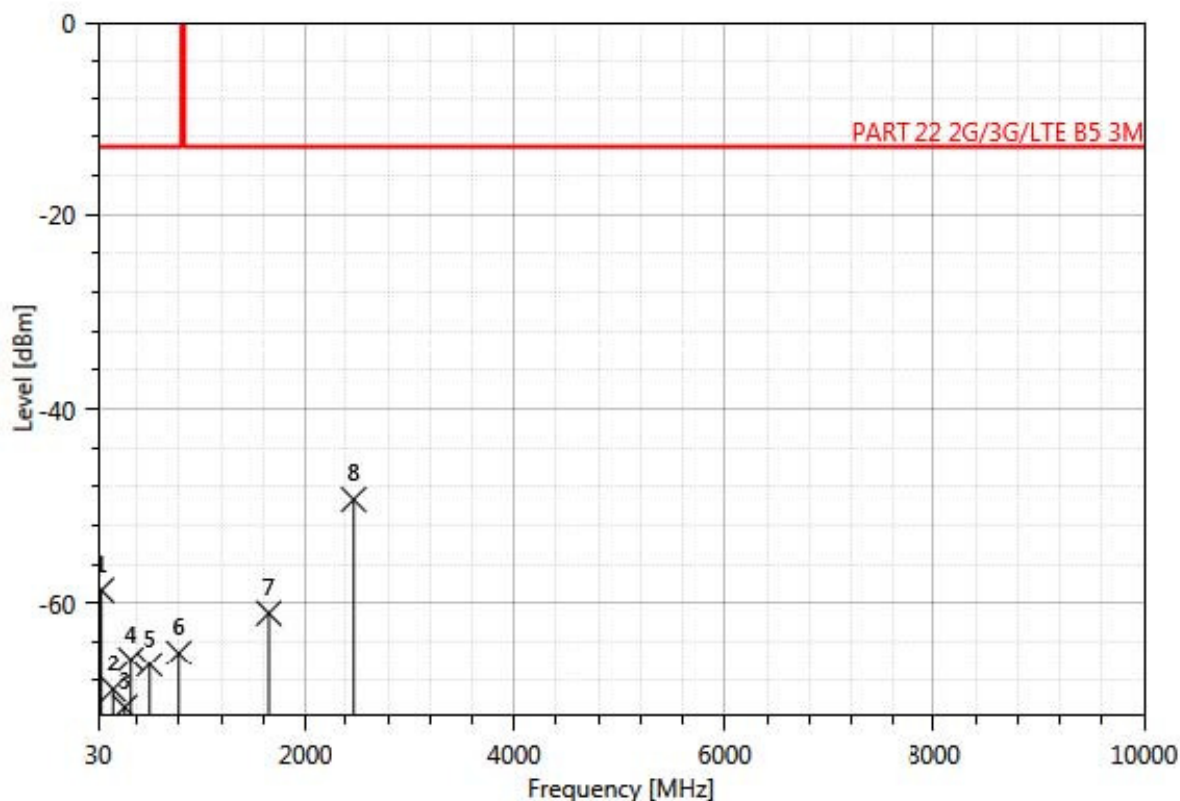
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B5	Test Date :	05/04/2016 10:01:46
Fundamental Frequency :	825.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	
62.01	S	Peak	-58.65	-49.40	-8.15	-1.09	-13.00	-45.65
173.56	S	Peak	-69.04	-67.24	-0.26	-1.53	-13.00	-56.04
282.20	S	Peak	-70.89	-72.43	3.42	-1.89	-13.00	-57.89
340.40	S	Peak	-65.84	-67.69	3.82	-1.97	-13.00	-52.84
517.91	S	Peak	-66.41	-67.80	3.76	-2.37	-13.00	-53.41
796.30	S	Peak	-65.15	-65.59	3.33	-2.90	-13.00	-52.15
1651.00	H	Peak	-61.02	-66.05	9.27	-4.23	-13.00	-48.02
2476.50	H	Peak	-49.30	-54.96	10.88	-5.23	-13.00	-36.30

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

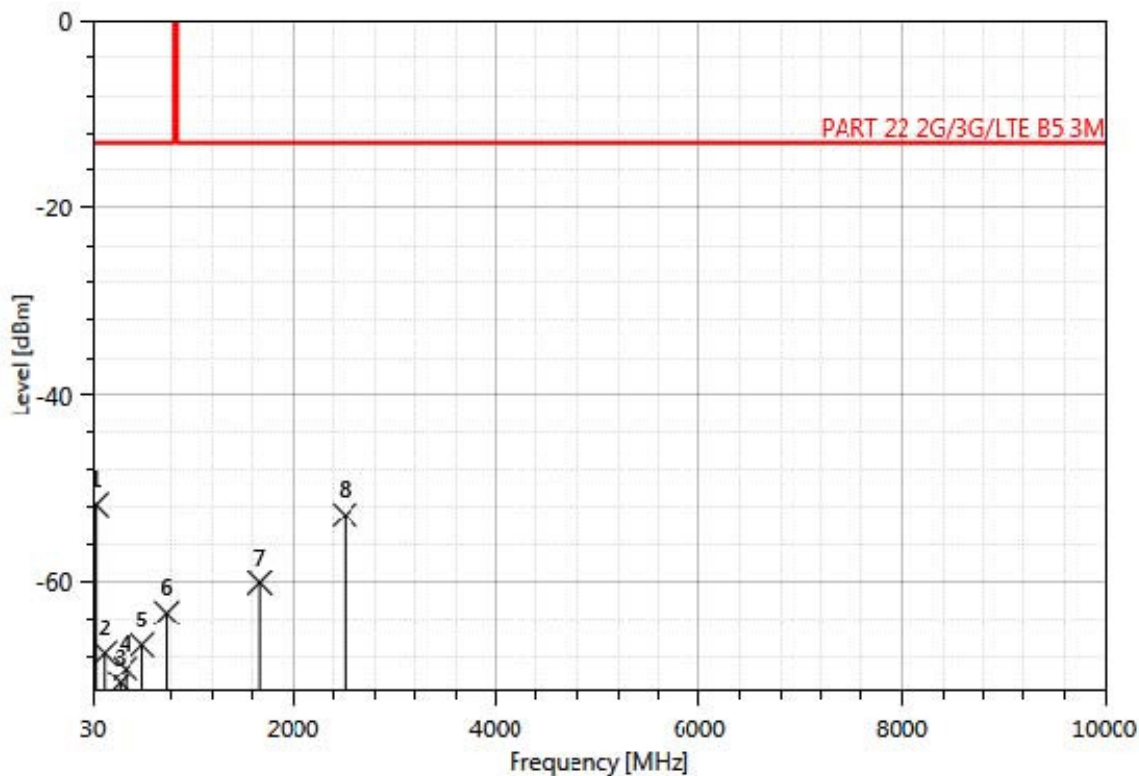
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode : LTE B5
Fundamental Frequency : 836.5 MHz
Operation Band : Tx CH MID
EUT Pol. : H Plane

Test Date : 05/04/2016 10:01:54
Temp. / Humi. : 22 deg_C / 62 RH
Test Engineer : Tin
Measurement Antenna Pol. : VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
62.01	S	Peak	-51.74	-42.50	-8.15	-1.09	-13.00	-38.74
143.49	S	Peak	-67.64	-63.75	-2.48	-1.41	-13.00	-54.64
294.81	S	Peak	-70.85	-72.43	3.52	-1.94	-13.00	-57.85
347.19	S	Peak	-69.32	-71.14	3.85	-2.02	-13.00	-56.32
513.06	S	Peak	-66.76	-68.20	3.79	-2.35	-13.00	-53.76
750.71	S	Peak	-63.35	-63.46	3.18	-3.07	-13.00	-50.35
1673.00	H	Peak	-60.15	-65.21	9.35	-4.29	-13.00	-47.15
2509.50	H	Peak	-52.88	-58.53	10.91	-5.26	-13.00	-39.88

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

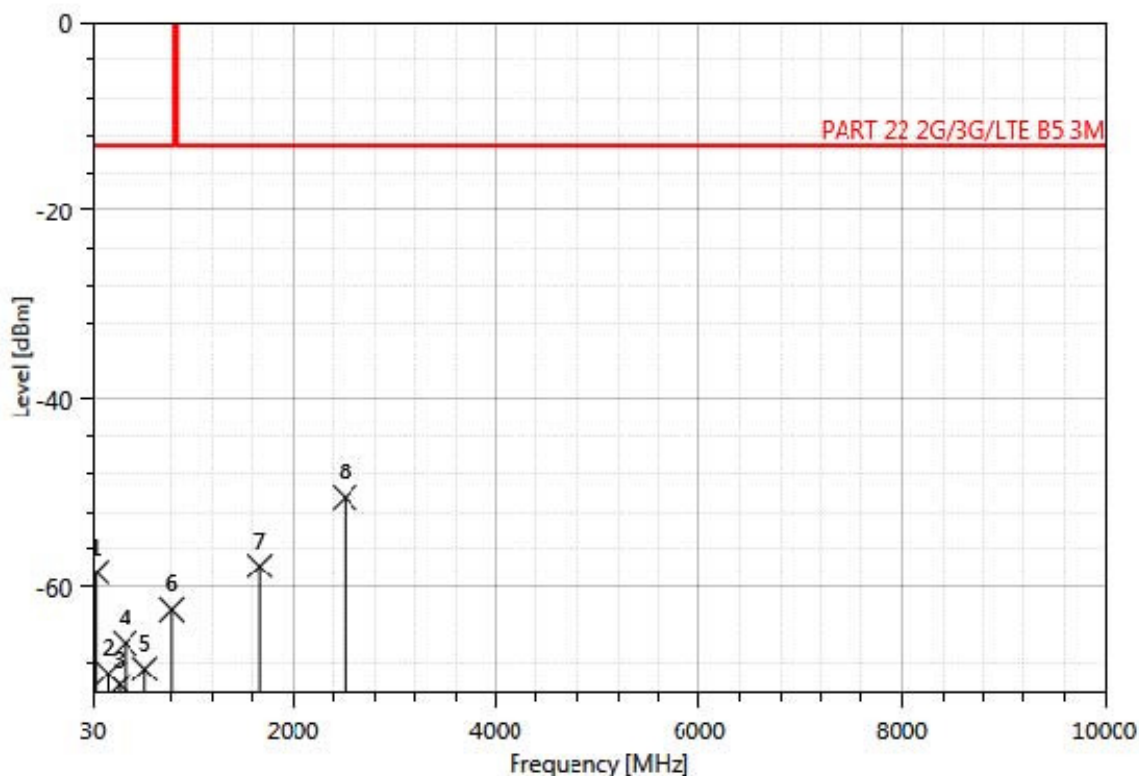
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B5	Test Date :	05/04/2016 10:02:01
Fundamental Frequency :	836.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
62.01	S	Peak	-58.42	-49.18	-8.15	-1.09	-13.00	-45.42
177.44	S	Peak	-69.16	-68.04	0.44	-1.55	-13.00	-56.16
287.05	S	Peak	-70.42	-71.93	3.43	-1.91	-13.00	-57.42
342.34	S	Peak	-66.01	-67.85	3.83	-1.99	-13.00	-53.01
539.25	S	Peak	-68.69	-69.74	3.64	-2.59	-13.00	-55.69
798.24	S	Peak	-62.36	-62.80	3.34	-2.90	-13.00	-49.36
1673.00	H	Peak	-57.76	-62.82	9.35	-4.29	-13.00	-44.76
2509.50	H	Peak	-50.47	-56.12	10.91	-5.26	-13.00	-37.47

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

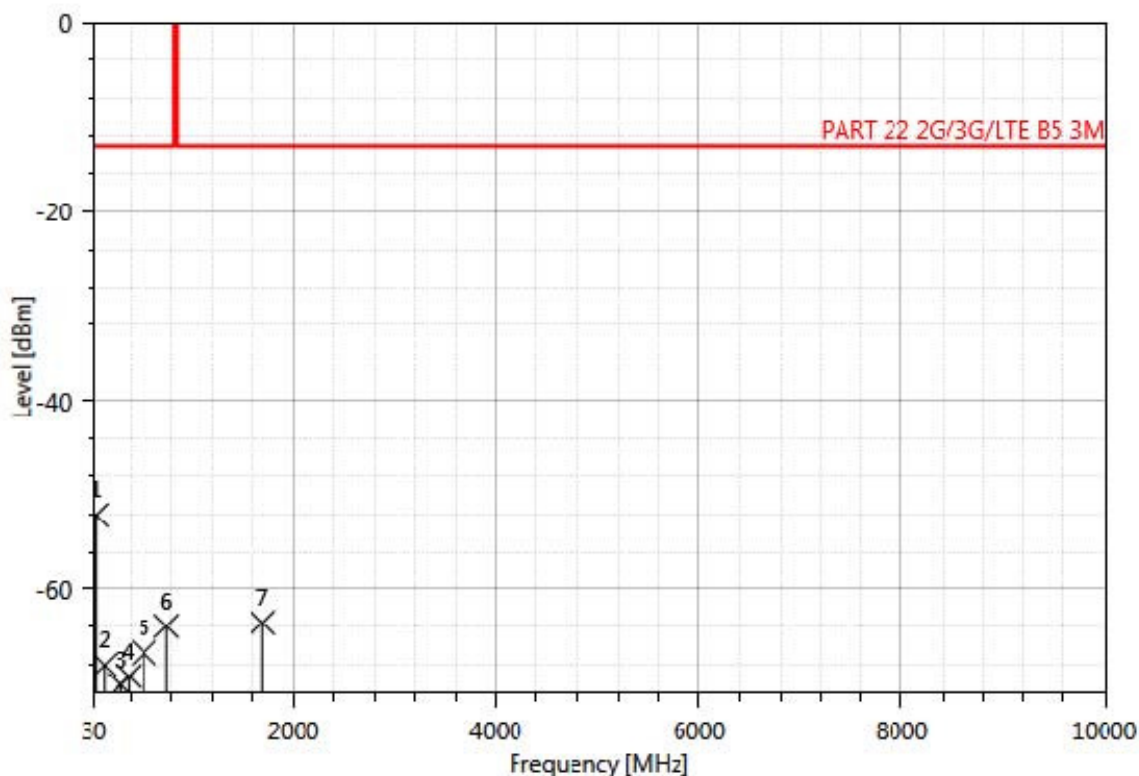
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B5	Test Date :	05/04/2016 10:02:09
Fundamental Frequency :	848.3 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
62.01	S	Peak	-52.15	-42.91	-8.15	-1.09	-13.00	-39.15
143.49	S	Peak	-68.02	-64.13	-2.48	-1.41	-13.00	-55.02
294.81	S	Peak	-70.14	-71.72	3.52	-1.94	-13.00	-57.14
372.41	S	Peak	-69.20	-70.82	3.84	-2.21	-13.00	-56.20
526.64	S	Peak	-66.72	-67.96	3.71	-2.46	-13.00	-53.72
745.86	S	Peak	-63.89	-63.96	3.17	-3.10	-13.00	-50.89
1696.60	H	Peak	-63.54	-66.51	7.28	-4.31	-13.00	-50.54

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

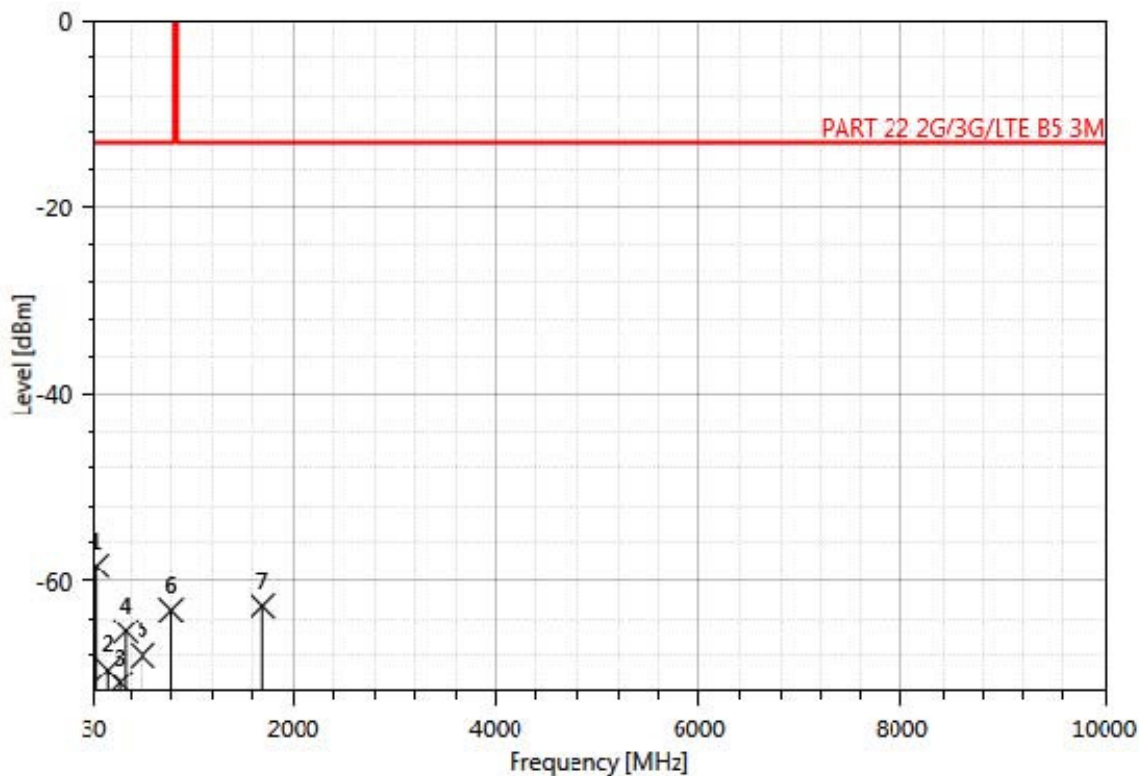
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B5	Test Date :	05/04/2016 10:02:16
Fundamental Frequency :	848.3 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
62.01	S	Peak	-58.40	-49.16	-8.15	-1.09	-13.00	-45.40
172.59	S	Peak	-69.52	-67.56	-0.44	-1.53	-13.00	-56.52
288.99	S	Peak	-70.96	-72.47	3.43	-1.92	-13.00	-57.96
343.31	S	Peak	-65.42	-67.26	3.83	-1.99	-13.00	-52.42
512.09	S	Peak	-67.98	-69.42	3.79	-2.35	-13.00	-54.98
791.45	S	Peak	-63.12	-63.53	3.32	-2.90	-13.00	-50.12
1696.60	H	Peak	-62.67	-65.64	7.28	-4.31	-13.00	-49.67

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

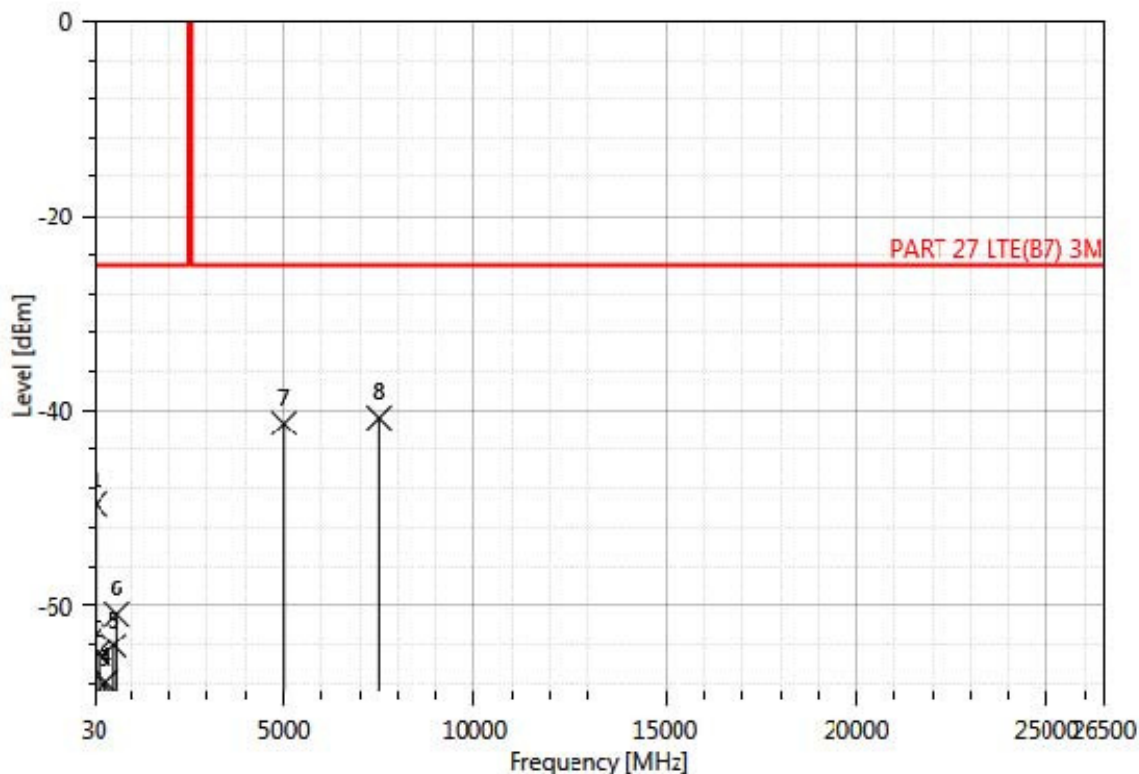
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 7 QPSK RB 1 0 (The Worst Case)

Operation Mode :	LTE B7	Test Date :	05/04/2016 10:14:46
Fundamental Frequency :	2502.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
62.01	S	Peak	-49.62	-42.53	-6.00	-1.09	-25.00	-24.62
141.55	S	Peak	-64.93	-63.08	-0.45	-1.40	-25.00	-39.93
296.75	S	Peak	-68.05	-71.81	5.71	-1.95	-25.00	-43.05
345.25	S	Peak	-67.81	-71.79	5.99	-2.01	-25.00	-42.81
548.95	S	Peak	-64.13	-67.19	5.74	-2.69	-25.00	-39.13
625.58	S	Peak	-60.91	-63.75	5.34	-2.50	-25.00	-35.91
5005.00	H	Peak	-41.29	-46.18	12.70	-7.81	-25.00	-16.29
7507.50	H	Peak	-40.73	-41.92	11.00	-9.81	-25.00	-15.73

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

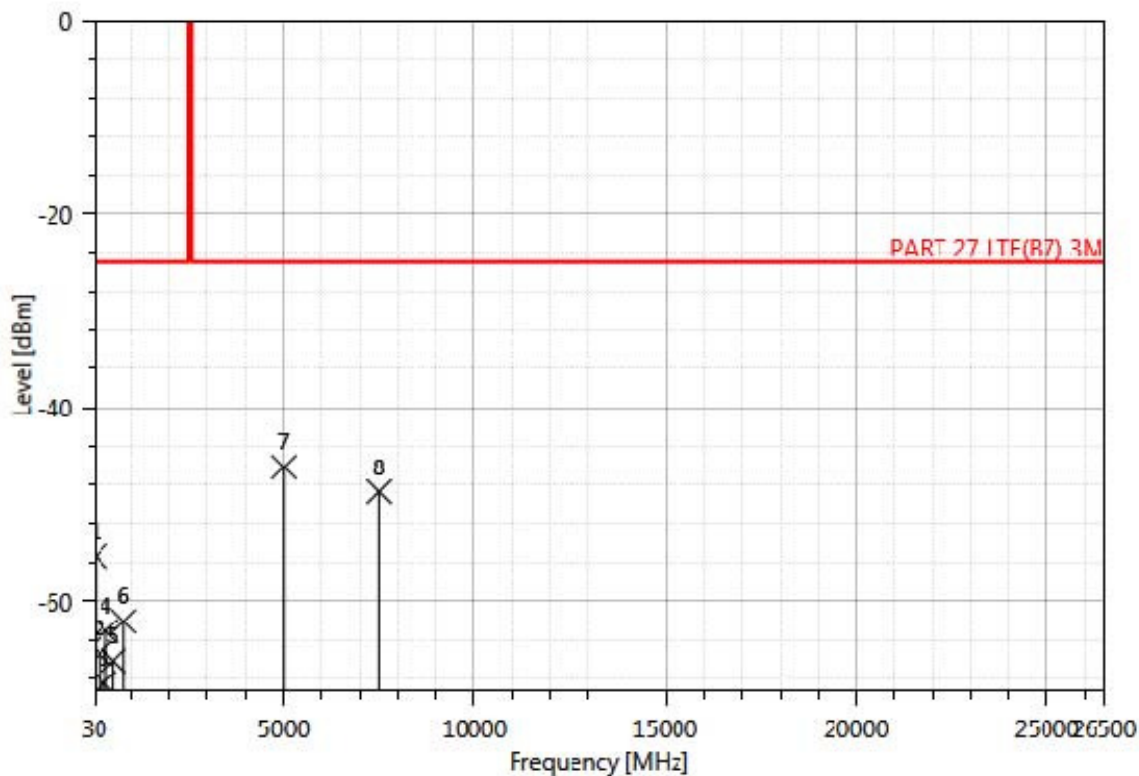
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B7	Test Date :	05/04/2016 10:15:00
Fundamental Frequency :	2502.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
59.10	S	Peak	-55.32	-47.41	-6.82	-1.08	-25.00	-30.32
172.59	S	Peak	-65.40	-65.58	1.71	-1.53	-25.00	-40.40
287.05	S	Peak	-68.45	-72.12	5.58	-1.91	-25.00	-43.45
340.40	S	Peak	-63.09	-67.09	5.97	-1.97	-25.00	-38.09
532.46	S	Peak	-66.13	-69.44	5.83	-2.52	-25.00	-41.13
800.18	S	Peak	-62.08	-64.68	5.49	-2.90	-25.00	-37.08
5005.00	H	Peak	-46.13	-51.02	12.70	-7.81	-25.00	-21.13
7507.50	H	Peak	-48.66	-49.85	11.00	-9.81	-25.00	-23.66

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

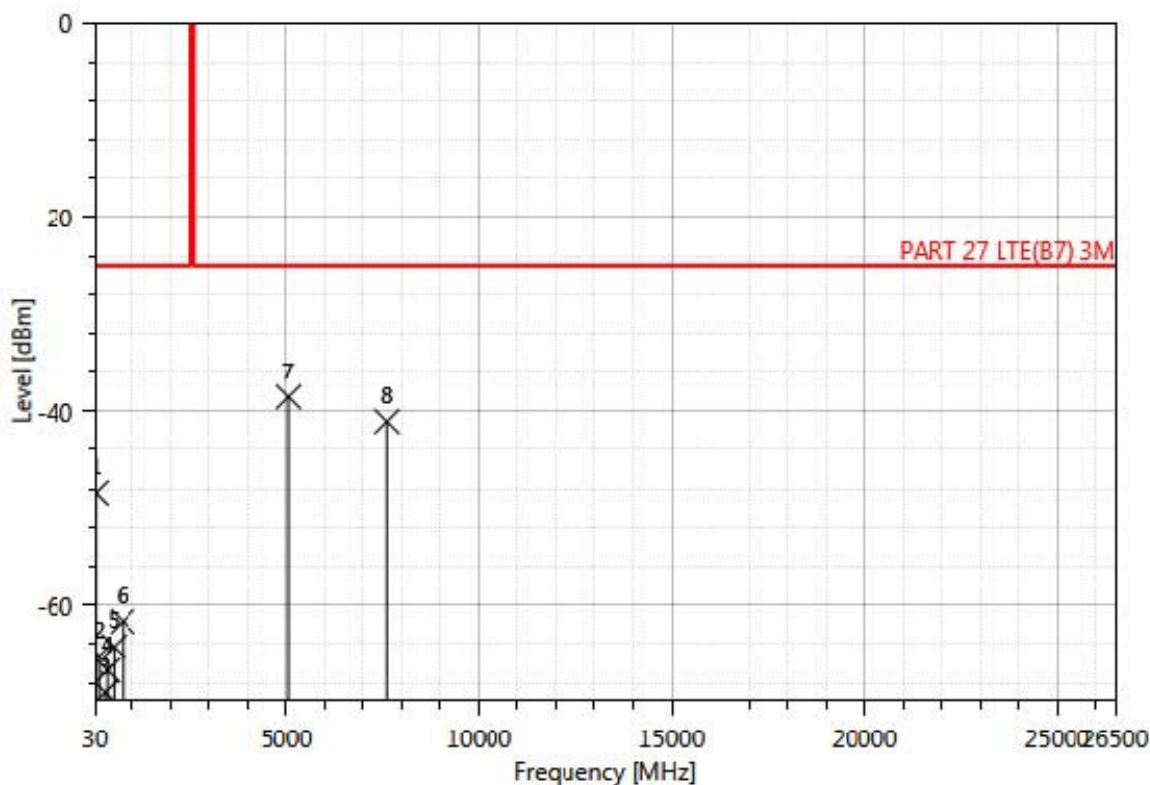
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B7	Test Date :	05/04/2016 10:15:13
Fundamental Frequency :	2535.0 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
59.10	S	Peak	-48.39	-40.49	-6.82	-1.08	-25.00	-23.39
140.58	S	Peak	-65.19	-63.28	-0.51	-1.40	-25.00	-40.19
293.84	S	Peak	-68.98	-72.69	5.65	-1.94	-25.00	-43.98
350.10	S	Peak	-66.72	-70.68	6.01	-2.05	-25.00	-41.72
521.79	S	Peak	-64.25	-67.73	5.89	-2.41	-25.00	-39.25
749.74	S	Peak	-61.68	-63.93	5.33	-3.08	-25.00	-36.68
5070.00	H	Peak	-38.51	-43.38	12.73	-7.86	-25.00	-13.51
7605.00	H	Peak	-41.03	-42.15	11.02	-9.89	-25.00	-16.03

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

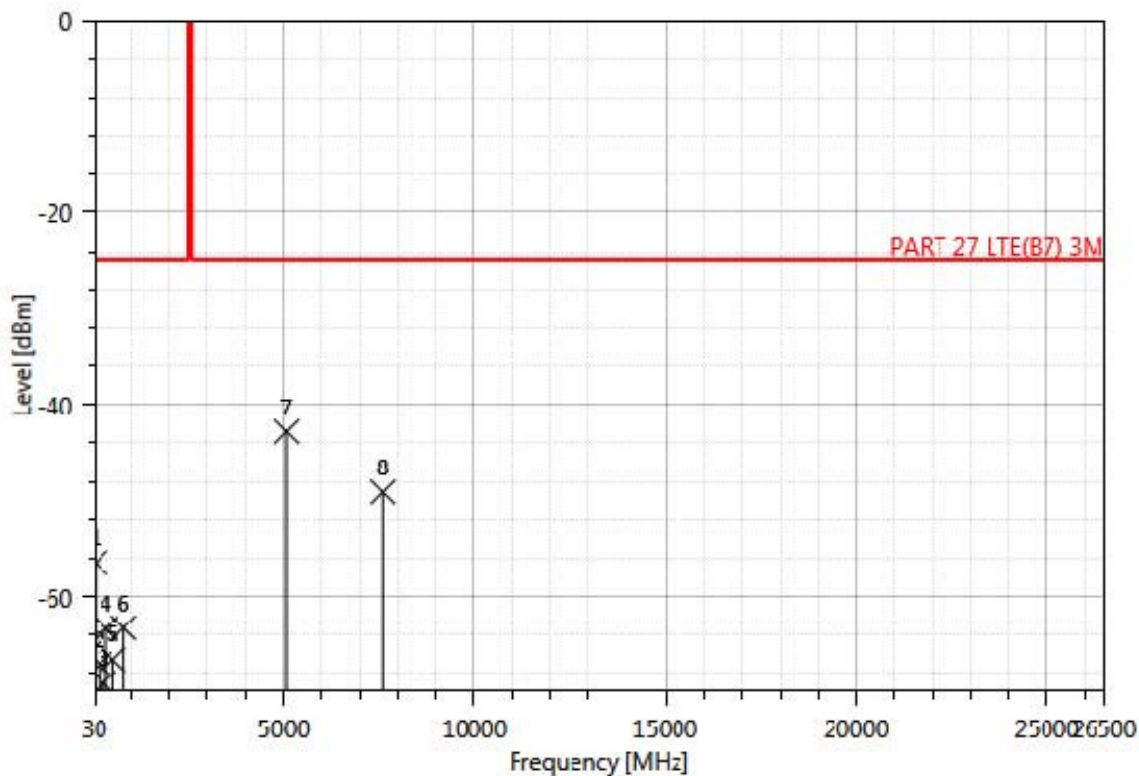
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B7	Test Date :	05/04/2016 10:15:27
Fundamental Frequency :	2535.0 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
62.01	S	Peak	-56.45	-49.36	-6.00	-1.09	-25.00	-31.45
173.56	S	Peak	-67.01	-67.36	1.89	-1.53	-25.00	-42.01
277.35	S	Peak	-69.00	-72.73	5.60	-1.86	-25.00	-44.00
340.40	S	Peak	-63.32	-67.31	5.97	-1.97	-25.00	-38.32
517.91	S	Peak	-66.53	-70.07	5.91	-2.37	-25.00	-41.53
794.36	S	Peak	-63.23	-65.81	5.47	-2.90	-25.00	-38.23
5070.00	H	Peak	-42.82	-47.68	12.73	-7.86	-25.00	-17.82
7605.00	H	Peak	-49.09	-50.22	11.02	-9.89	-25.00	-24.09

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

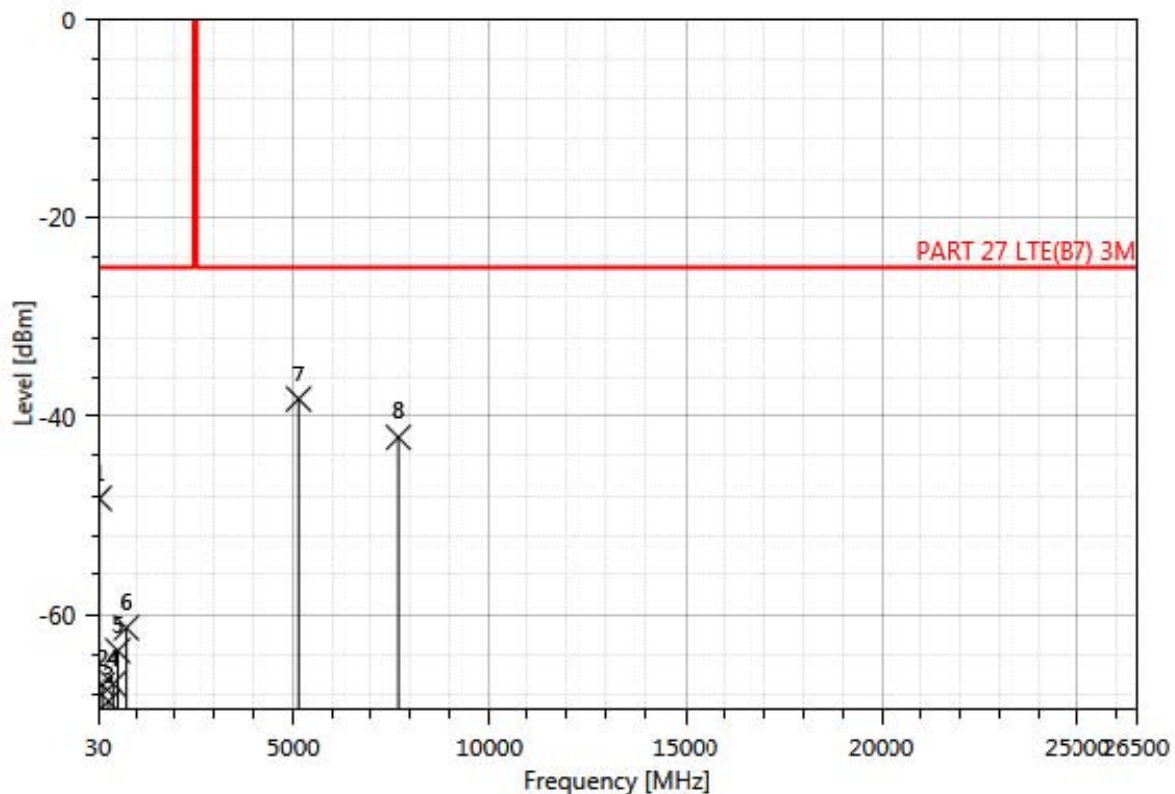
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B7	Test Date :	05/04/2016 10:15:41
Fundamental Frequency :	2567.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	
59.10	S	Peak	-48.22	-40.32	-6.82	-1.08	-25.00	-23.22
138.64	S	Peak	-67.00	-65.07	-0.54	-1.39	-25.00	-42.00
291.90	S	Peak	-68.64	-72.32	5.62	-1.93	-25.00	-43.64
408.30	S	Peak	-66.91	-70.44	5.94	-2.41	-25.00	-41.91
527.61	S	Peak	-63.60	-66.98	5.86	-2.47	-25.00	-38.60
744.89	S	Peak	-61.31	-63.53	5.32	-3.11	-25.00	-36.31
5135.00	H	Peak	-38.32	-43.15	12.76	-7.92	-25.00	-13.32
7702.50	H	Peak	-42.14	-43.18	11.04	-10.00	-25.00	-17.14

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

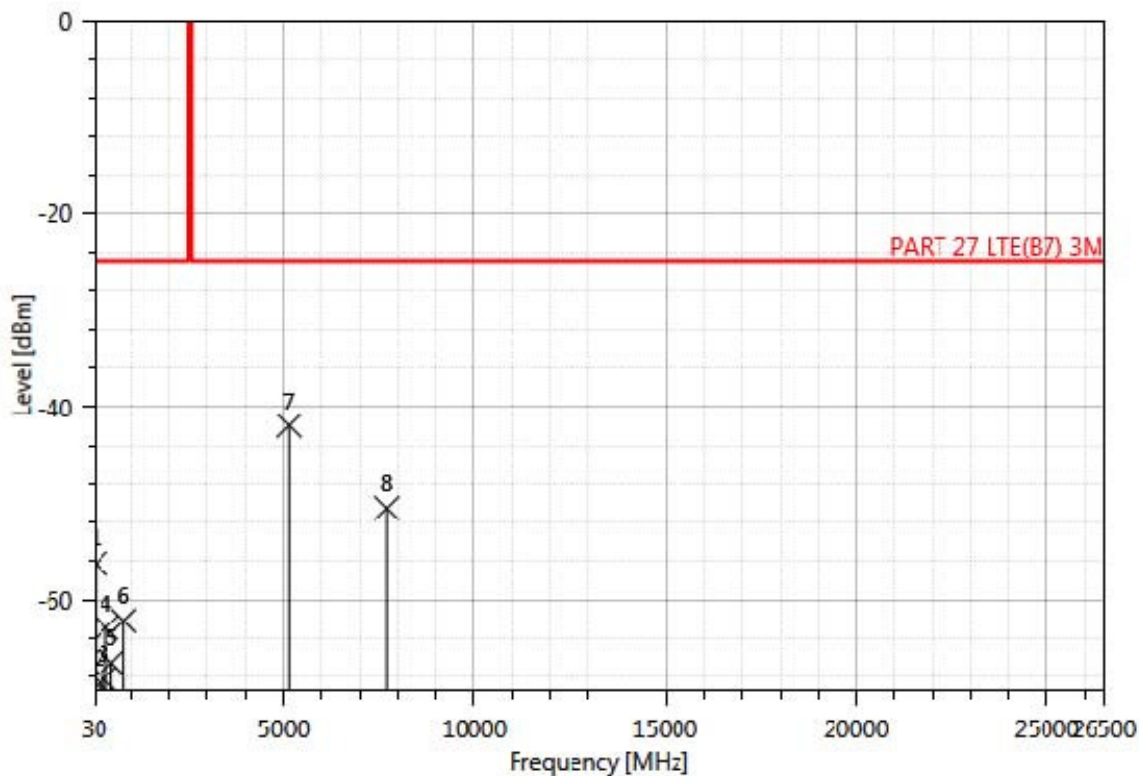
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B7	Test Date :	05/04/2016 10:15:55
Fundamental Frequency :	2567.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	dB
59.10	S	Peak	-56.22	-48.31	-6.82	-1.08	-25.00	-31.22
172.59	S	Peak	-68.61	-68.80	1.71	-1.53	-25.00	-43.61
282.20	S	Peak	-68.18	-71.87	5.57	-1.89	-25.00	-43.18
340.40	S	Peak	-62.90	-66.90	5.97	-1.97	-25.00	-37.90
482.99	S	Peak	-66.50	-70.20	5.94	-2.25	-25.00	-41.50
798.24	S	Peak	-62.15	-64.74	5.49	-2.90	-25.00	-37.15
5135.00	H	Peak	-41.96	-46.79	12.76	-7.92	-25.00	-16.96
7702.50	H	Peak	-50.48	-51.52	11.04	-10.00	-25.00	-25.48

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

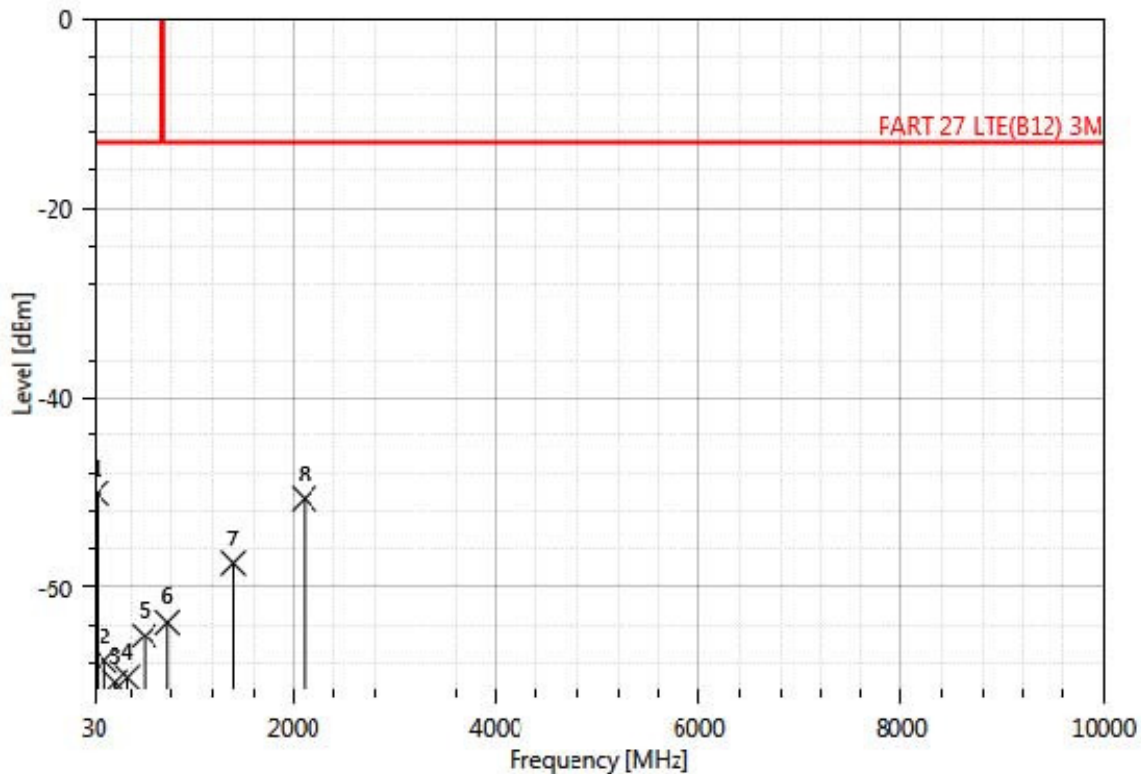
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 12 16QAM RB 1 24 (The Worst Case)

Operation Mode :	LTE B12	Test Date :	05/04/2016 10:19:16
Fundamental Frequency :	701.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	
59.10	S	Peak	-50.12	-40.07	-8.97	-1.08	-13.00	-37.12
134.76	S	Peak	-67.73	-63.69	-2.67	-1.38	-13.00	-54.73
239.52	S	Peak	-69.98	-71.52	3.28	-1.74	-13.00	-56.98
356.89	S	Peak	-69.48	-71.23	3.86	-2.10	-13.00	-56.48
526.64	S	Peak	-65.13	-66.38	3.71	-2.46	-13.00	-52.13
755.56	S	Peak	-63.70	-63.85	3.20	-3.04	-13.00	-50.70
1403.00	H	Peak	-57.44	-61.83	8.29	-3.90	-13.00	-44.44
2104.50	H	Peak	-50.68	-56.40	10.51	-4.80	-13.00	-37.68

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

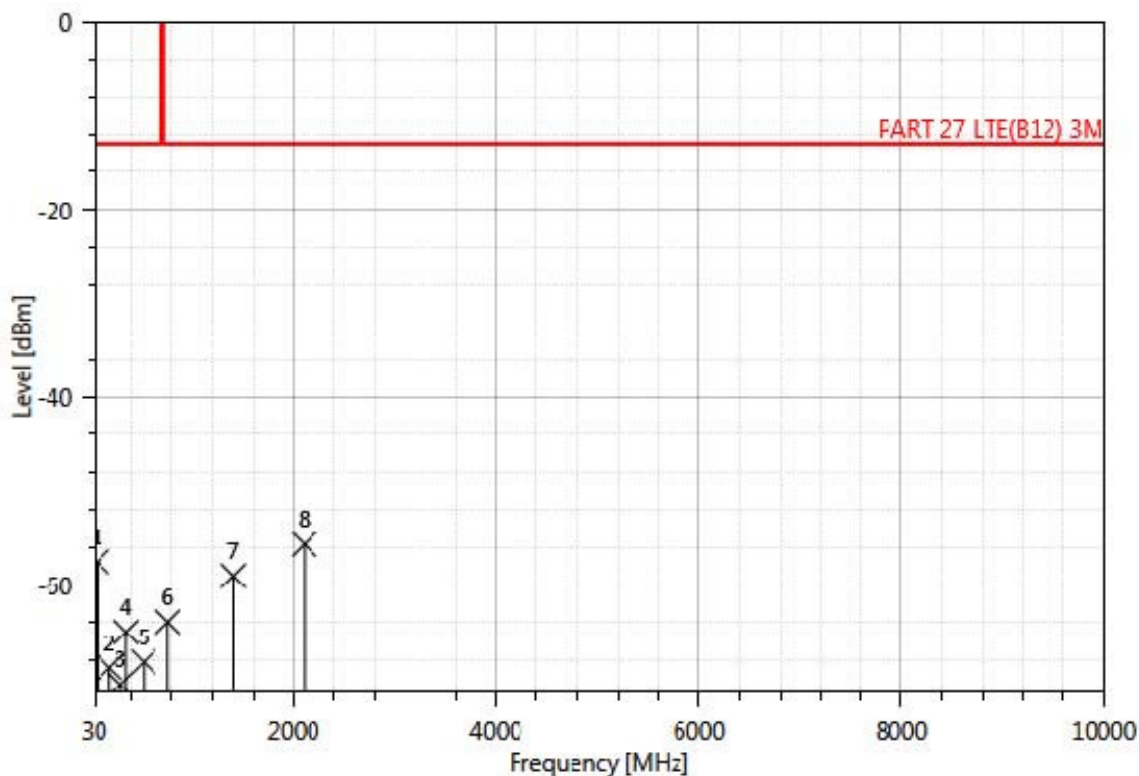
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B12	Test Date :	05/04/2016 10:19:23
Fundamental Frequency :	701.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
59.10	S	Peak	-57.57	-47.52	-8.97	-1.08	-13.00	-44.57
182.29	S	Peak	-68.84	-68.54	1.28	-1.57	-13.00	-55.84
287.05	S	Peak	-70.67	-72.18	3.43	-1.91	-13.00	-57.67
343.31	S	Peak	-65.07	-66.91	3.83	-1.99	-13.00	-52.07
517.91	S	Peak	-68.24	-69.63	3.76	-2.37	-13.00	-55.24
757.50	S	Peak	-63.99	-64.16	3.21	-3.03	-13.00	-50.99
1403.00	H	Peak	-59.07	-63.46	8.29	-3.90	-13.00	-46.07
2104.50	H	Peak	-55.72	-61.44	10.51	-4.80	-13.00	-42.72

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

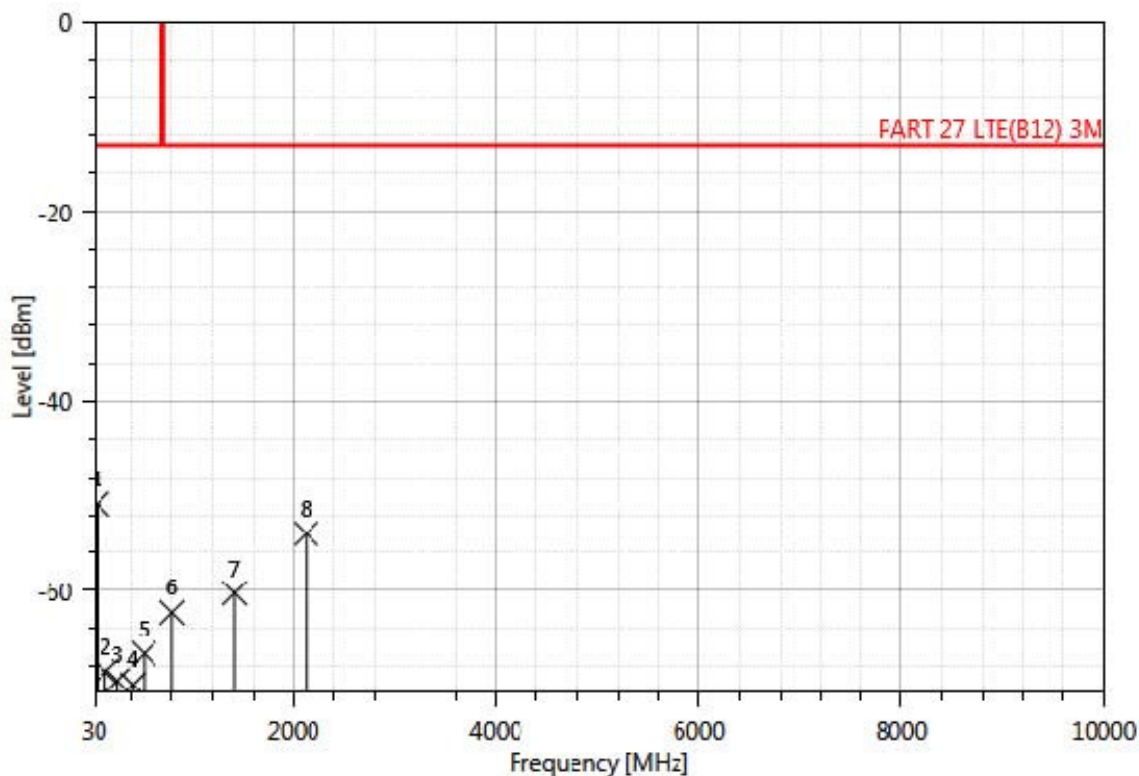
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B12	Test Date :	05/04/2016 10:19:31
Fundamental Frequency :	707.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
59.10	S	Peak	-50.86	-40.81	-8.97	-1.08	-13.00	-37.86
141.55	S	Peak	-68.56	-64.56	-2.60	-1.40	-13.00	-55.56
259.89	S	Peak	-69.48	-71.38	3.68	-1.77	-13.00	-56.48
411.21	S	Peak	-69.90	-71.28	3.78	-2.39	-13.00	-56.90
521.79	S	Peak	-66.64	-67.97	3.74	-2.41	-13.00	-53.64
799.21	S	Peak	-62.30	-62.74	3.34	-2.90	-13.00	-49.30
1415.00	H	Peak	-60.26	-64.69	8.34	-3.91	-13.00	-47.26
2122.50	H	Peak	-53.98	-59.70	10.53	-4.81	-13.00	-40.98

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

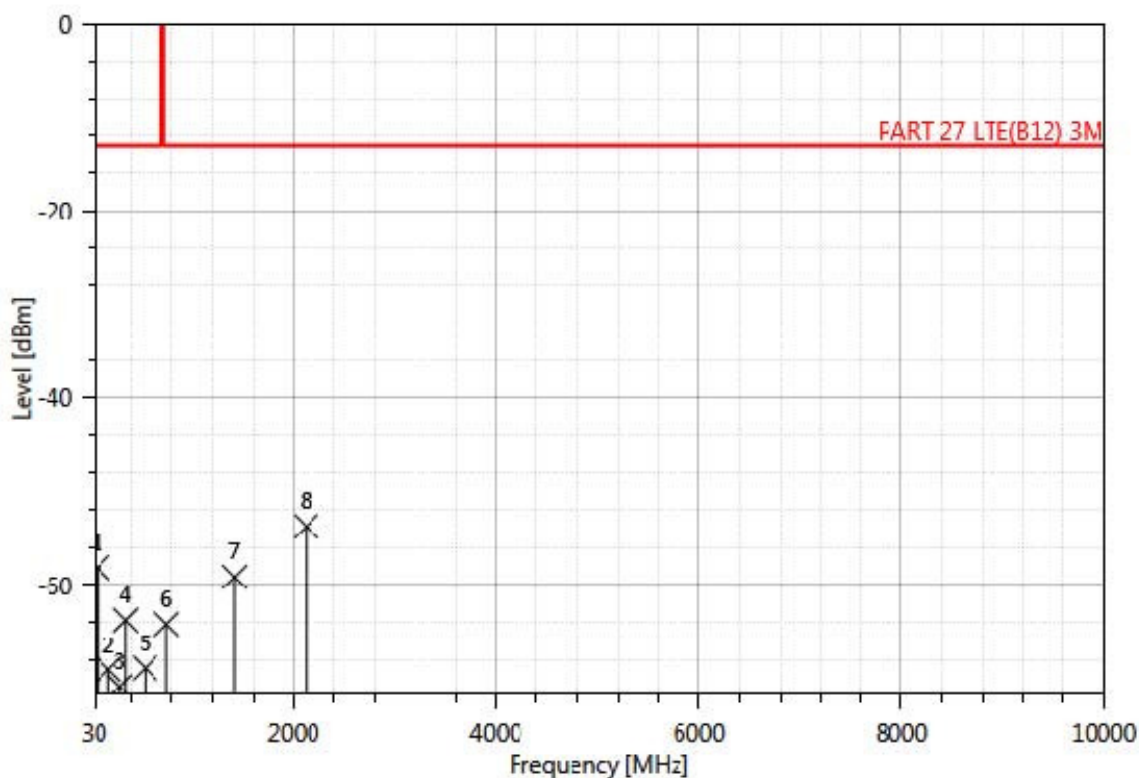
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B12	Test Date :	05/04/2016 10:19:39
Fundamental Frequency :	707.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
62.01	S	Peak	-58.19	-48.95	-8.15	-1.09	-13.00	-45.19
172.59	S	Peak	-69.09	-67.12	-0.44	-1.53	-13.00	-56.09
282.20	S	Peak	-70.93	-72.47	3.42	-1.89	-13.00	-57.93
340.40	S	Peak	-63.82	-65.67	3.82	-1.97	-13.00	-50.82
532.46	S	Peak	-68.94	-70.10	3.68	-2.52	-13.00	-55.94
744.89	S	Peak	-64.24	-64.30	3.17	-3.11	-13.00	-51.24
1415.00	H	Peak	-59.20	-63.62	8.34	-3.91	-13.00	-46.20
2122.50	H	Peak	-53.79	-59.52	10.53	-4.81	-13.00	-40.79

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

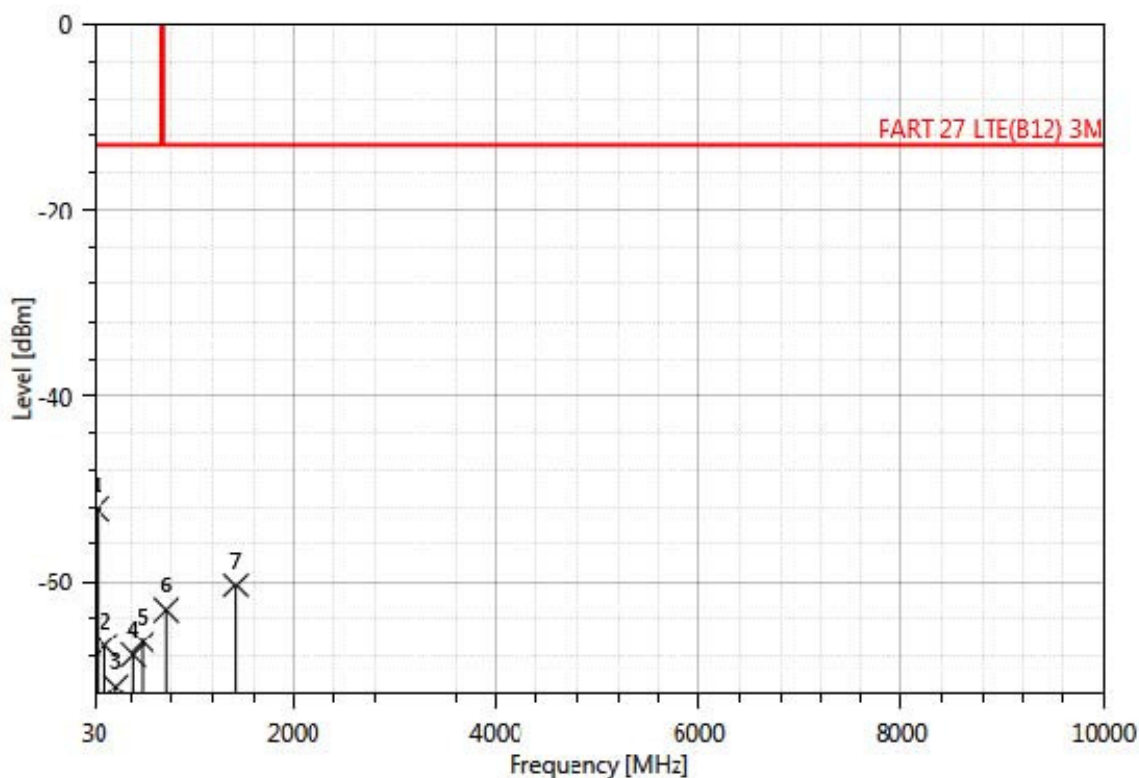
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B12	Test Date :	05/04/2016 10:19:46
Fundamental Frequency :	713.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
62.01	S	Peak	-52.17	-42.92	-8.15	-1.09	-13.00	-39.17
138.64	S	Peak	-66.90	-62.81	-2.69	-1.39	-13.00	-53.90
245.34	S	Peak	-71.27	-72.89	3.37	-1.75	-13.00	-58.27
413.15	S	Peak	-67.88	-69.28	3.77	-2.38	-13.00	-54.88
505.30	S	Peak	-66.49	-67.99	3.83	-2.33	-13.00	-53.49
745.86	S	Peak	-63.05	-63.12	3.17	-3.10	-13.00	-50.05
1427.00	H	Peak	-60.39	-64.84	8.39	-3.93	-13.00	-47.39

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

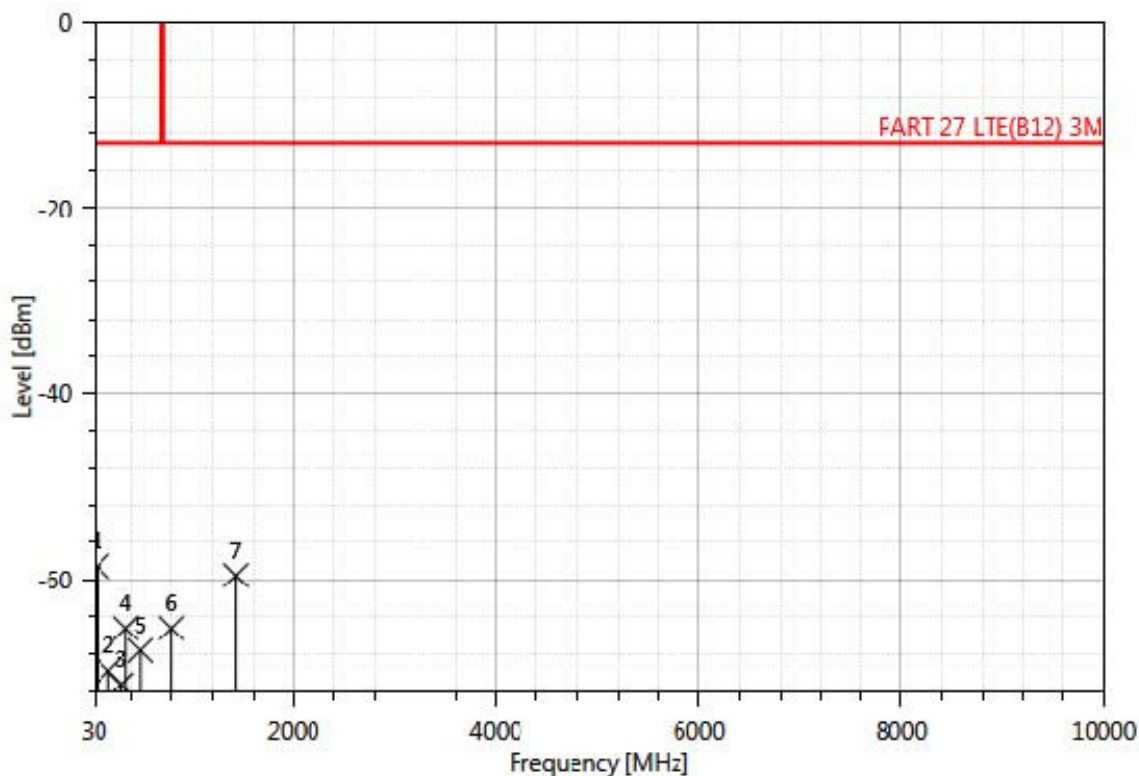
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B12	Test Date :	05/04/2016 10:19:53
Fundamental Frequency :	713.5 MHz	Temp. / Humi. :	22 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
59.10	S	Peak	-58.55	-48.50	-8.97	-1.08	-13.00	-45.55
172.59	S	Peak	-69.83	-67.86	-0.44	-1.53	-13.00	-56.83
294.81	S	Peak	-71.31	-72.88	3.52	-1.94	-13.00	-58.31
340.40	S	Peak	-65.24	-67.09	3.82	-1.97	-13.00	-52.24
481.05	S	Peak	-67.66	-69.20	3.78	-2.24	-13.00	-54.66
794.36	S	Peak	-65.22	-65.65	3.32	-2.90	-13.00	-52.22
1427.00	H	Peak	-59.54	-64.00	8.39	-3.93	-13.00	-46.54

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

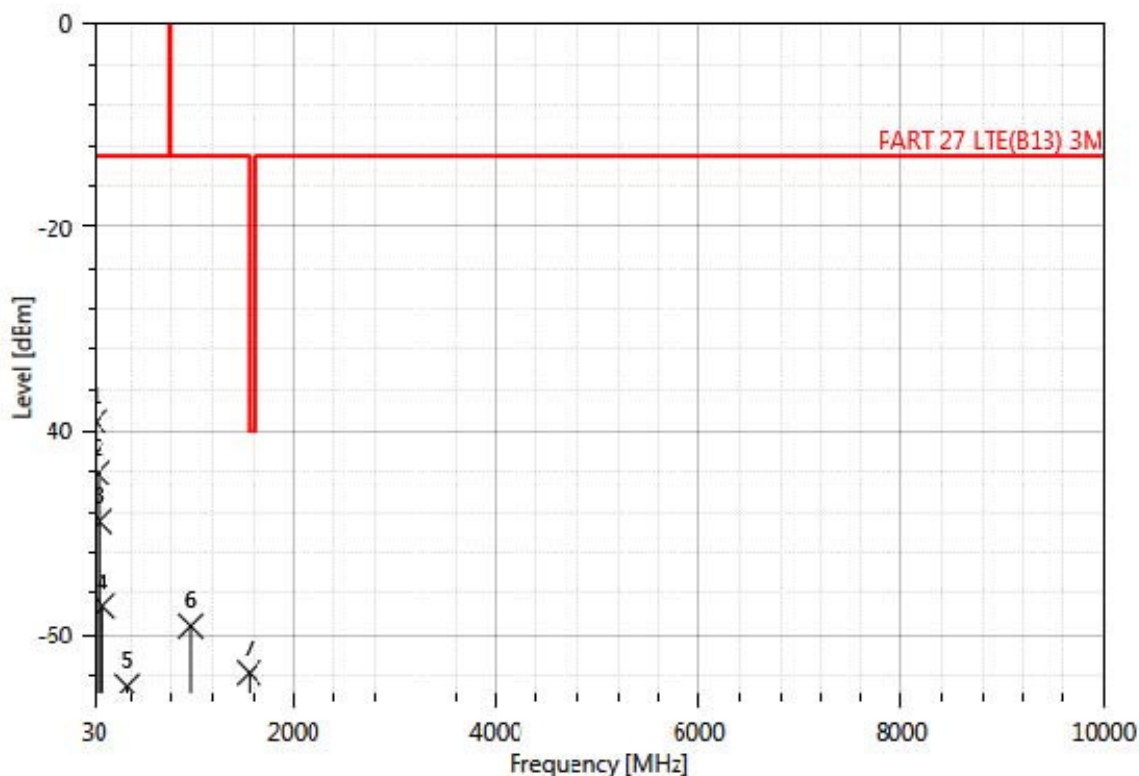
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 13 16QAM RB 1 0 (The Worst Case)

Operation Mode :	LTE B13	Test Date :	01/11/2017
Fundamental Frequency :	779.5 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	TX LOW	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	
41.64	S	Peak	-39.10	-25.27	-12.83	-1.00	-13.00	-26.10
68.80	S	Peak	-44.13	-36.78	-6.24	-1.11	-13.00	-31.13
88.20	S	Peak	-48.86	-46.81	-0.85	-1.20	-13.00	-35.86
115.36	S	Peak	-57.24	-53.47	-2.46	-1.31	-13.00	-44.24
354.95	S	Peak	-65.03	-66.80	3.86	-2.09	-13.00	-52.03
978.66	S	Peak	-59.14	-59.57	3.62	-3.19	-13.00	-46.14
1559.00	H	Peak	-63.75	-66.41	6.78	-4.12	-40.00	-23.75

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

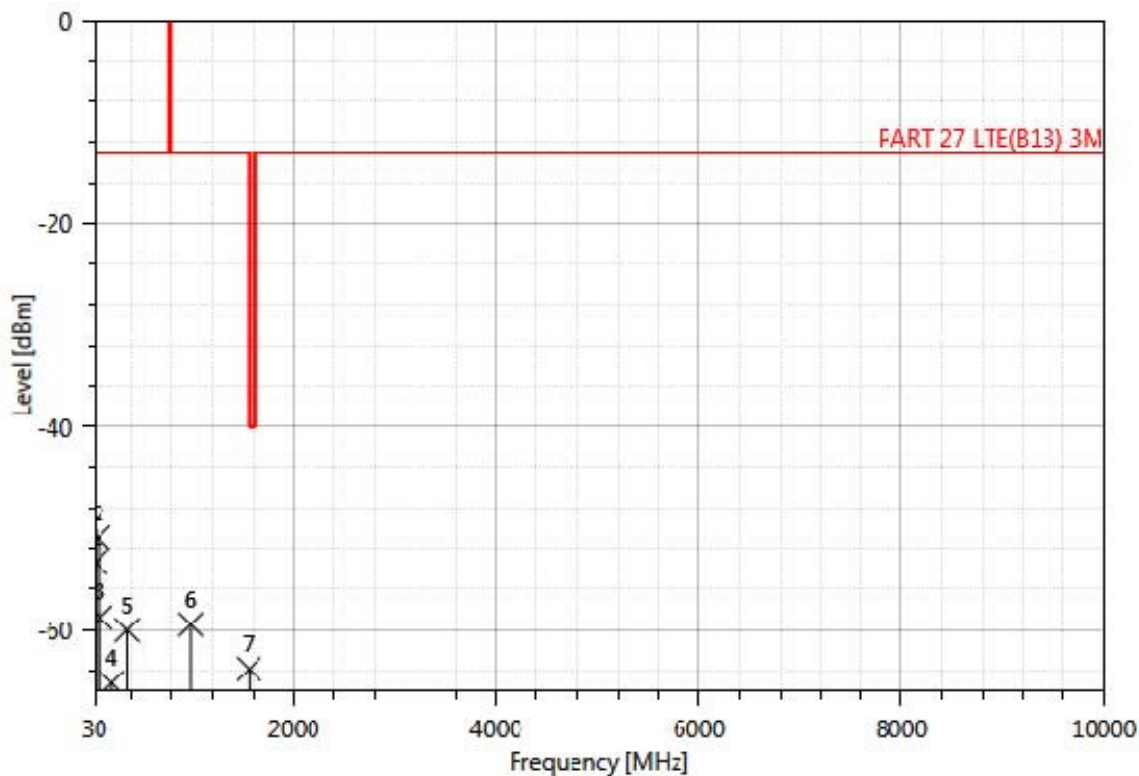
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B13	Test Date :	01/11/2017
Fundamental Frequency :	779.5 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	TX LOW	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
41.64	S	Peak	-53.33	-39.50	-12.83	-1.00	-13.00	-40.33
68.80	S	Peak	-50.95	-43.60	-6.24	-1.11	-13.00	-37.95
90.14	S	Peak	-58.78	-57.12	-0.45	-1.21	-13.00	-45.78
204.60	S	Peak	-65.23	-66.87	3.30	-1.65	-13.00	-52.23
354.95	S	Peak	-60.01	-61.78	3.86	-2.09	-13.00	-47.01
978.66	S	Peak	-59.46	-59.89	3.62	-3.19	-13.00	-46.46
1559.00	H	Peak	-63.84	-66.49	6.78	-4.12	-40.00	-23.84

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

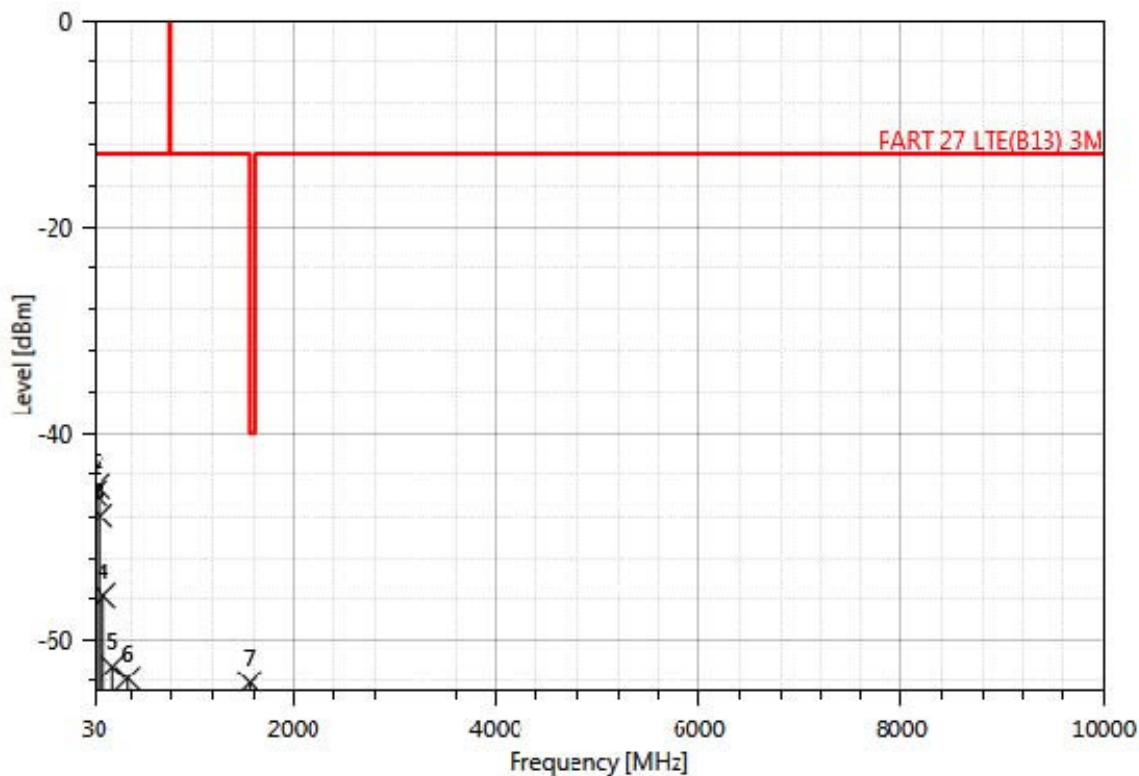
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B13	Test Date :	01/11/2017
Fundamental Frequency :	782 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	TX MID	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
41.64	S	Peak	-45.77	-31.94	-12.83	-1.00	-13.00	-32.77
68.80	S	Peak	-45.11	-37.76	-6.24	-1.11	-13.00	-32.11
90.14	S	Peak	-47.95	-46.29	-0.45	-1.21	-13.00	-34.95
122.15	S	Peak	-55.68	-51.87	-2.48	-1.33	-13.00	-42.68
212.36	S	Peak	-62.54	-64.34	3.48	-1.68	-13.00	-49.54
359.80	S	Peak	-63.70	-65.43	3.85	-2.12	-13.00	-50.70
1564.00	H	Peak	-64.14	-66.81	6.80	-4.13	-40.00	-24.14

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

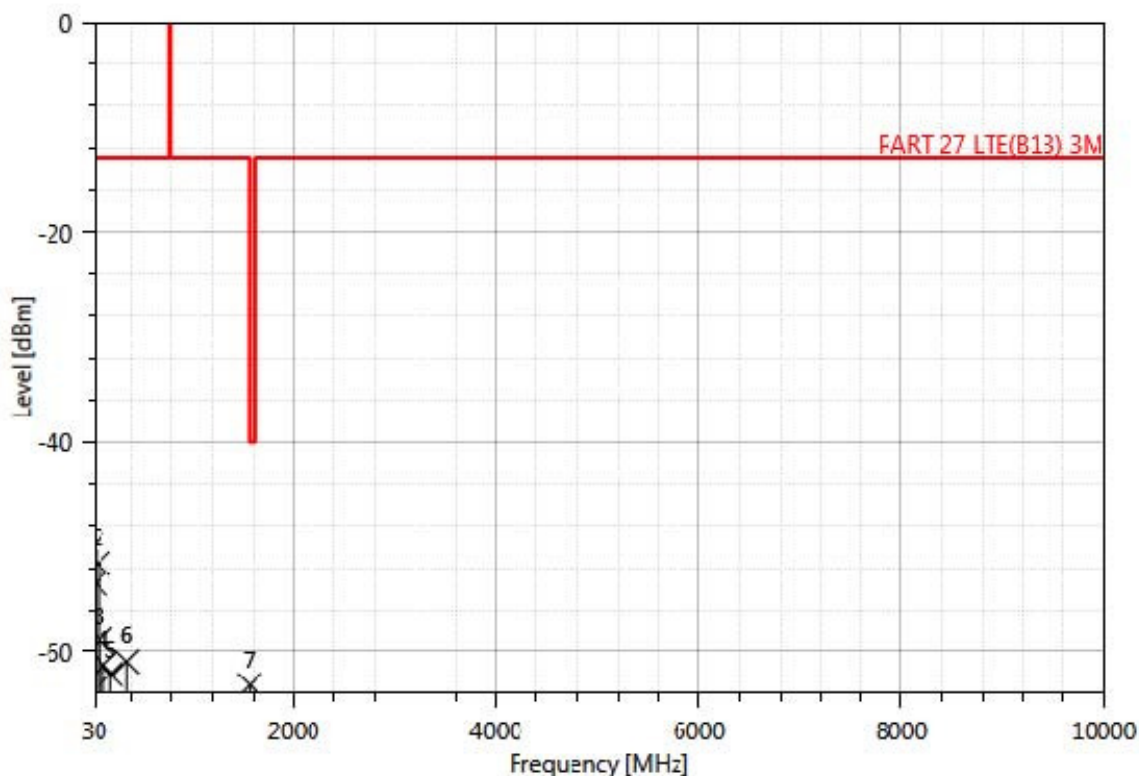
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B13	Test Date :	01/11/2017
Fundamental Frequency :	782 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	TX MID	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	
41.64	S	Peak	-53.50	-39.66	-12.83	-1.00	-13.00	-40.50
68.80	S	Peak	-51.60	-44.25	-6.24	-1.11	-13.00	-38.60
88.20	S	Peak	-58.92	-56.87	-0.85	-1.20	-13.00	-45.92
125.06	S	Peak	-61.25	-57.36	-2.54	-1.34	-13.00	-48.25
192.96	S	Peak	-62.17	-63.28	2.72	-1.61	-13.00	-49.17
350.10	S	Peak	-60.95	-62.77	3.86	-2.05	-13.00	-47.95
1564.00	H	Peak	-63.20	-65.87	6.80	-4.13	-40.00	-23.20

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

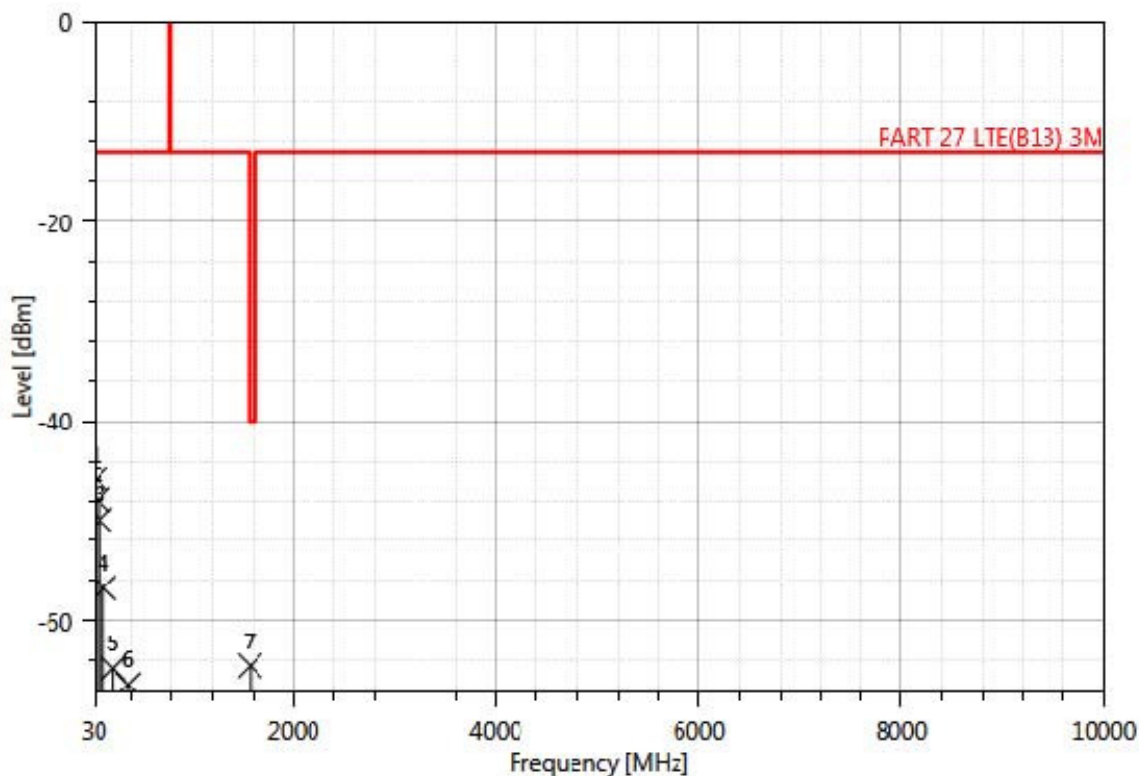
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B13	Test Date :	01/11/2017
Fundamental Frequency :	784.5 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	TX HIGH	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
41.64	S	Peak	-45.79	-31.96	-12.83	-1.00	-13.00	-32.79
68.80	S	Peak	-47.93	-40.58	-6.24	-1.11	-13.00	-34.93
90.14	S	Peak	-49.91	-48.24	-0.45	-1.21	-13.00	-36.91
124.09	S	Peak	-56.71	-52.85	-2.52	-1.34	-13.00	-43.71
219.15	S	Peak	-64.76	-66.41	3.34	-1.70	-13.00	-51.76
364.65	S	Peak	-66.40	-68.09	3.85	-2.16	-13.00	-53.40
1569.00	H	Peak	-64.50	-67.17	6.82	-4.14	-40.00	-24.50

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

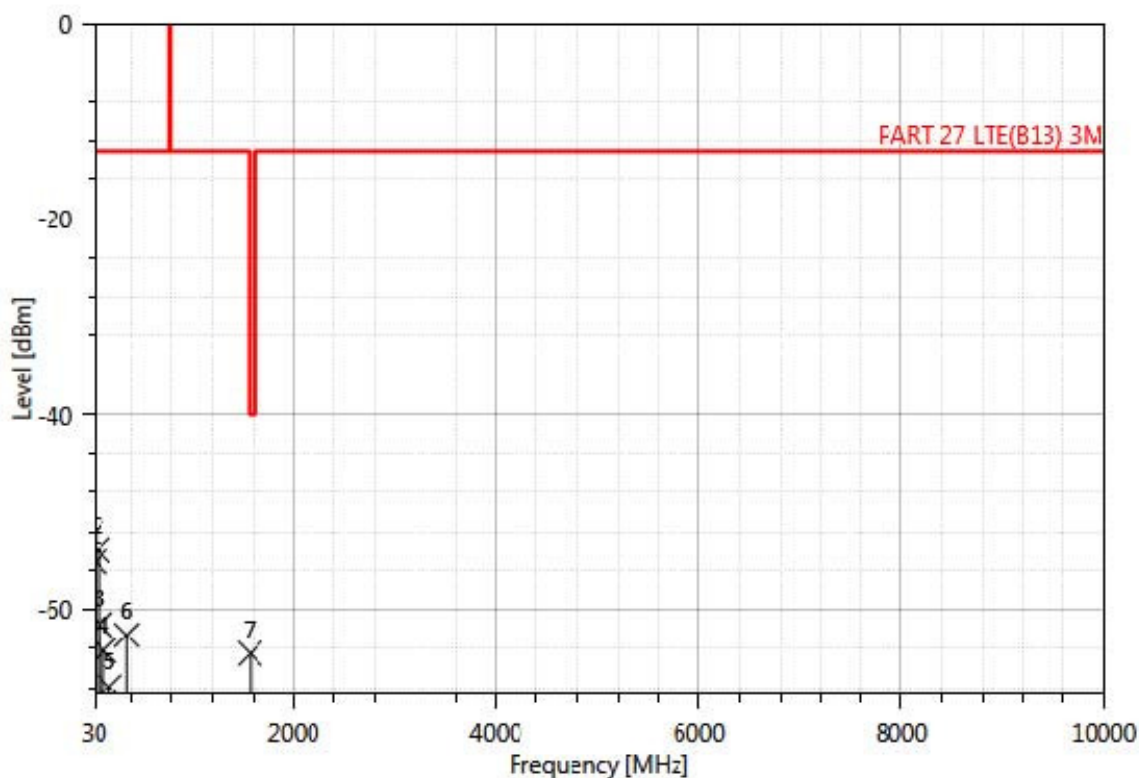
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Mode :	LTE B13	Test Date :	01/11/2017
Fundamental Frequency :	784.5 MHz	Temp. / Humi. :	23 deg_C / 52 RH
Operation Band :	TX HIGH	Test Engineer :	Mike
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-55.11	-41.01	-13.11	-0.99	-13.00	-42.11
68.80	S	Peak	-53.98	-46.63	-6.24	-1.11	-13.00	-40.98
90.14	S	Peak	-61.59	-59.93	-0.45	-1.21	-13.00	-48.59
125.06	S	Peak	-64.25	-60.36	-2.54	-1.34	-13.00	-51.25
180.35	S	Peak	-67.93	-67.32	0.95	-1.56	-13.00	-54.93
350.10	S	Peak	-62.66	-64.48	3.86	-2.05	-13.00	-49.66
1569.00	H	Peak	-64.55	-67.23	6.82	-4.14	-40.00	-24.55

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group