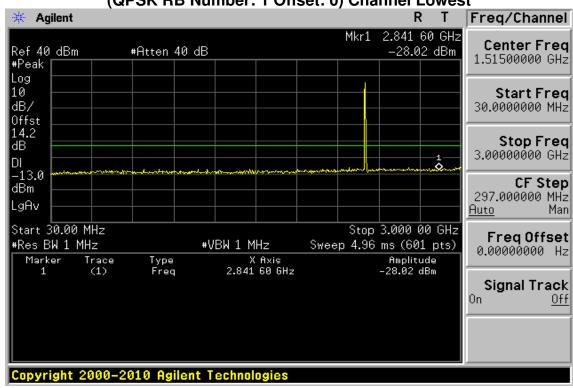
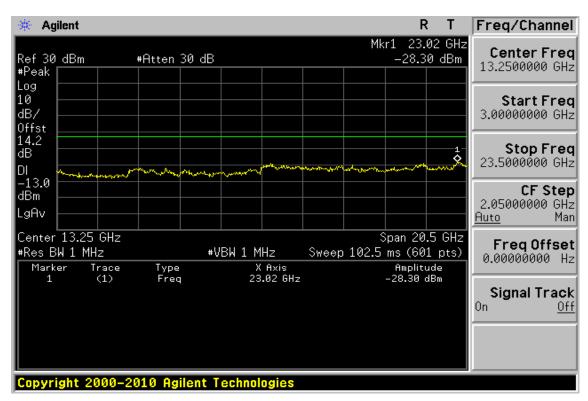


Page: 425 of 725

# 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

Unless otherwise stated the results shown in this test report relear only to the sample(s) tested and such sample(s) are retained for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and 90 days only. F document is unlawful and offenders may be prosecuted to the fullest extent of the law

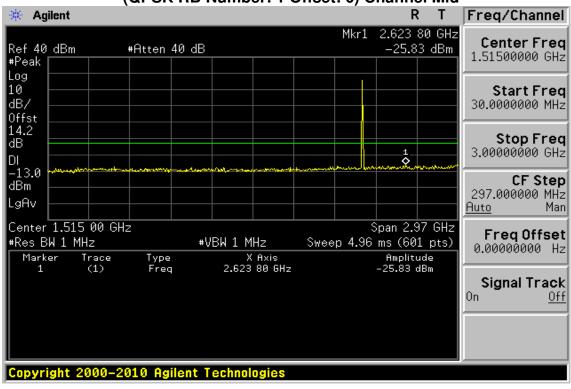
No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

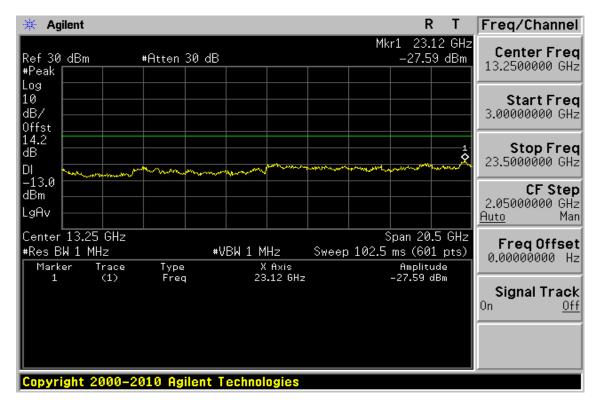
台灣檢驗科技股份有限公司



Page: 426 of 725

## 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

Unless otherwise stated the results shown in this test report relear only to the sample(s) tested and such sample(s) are retained for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and 90 days only. F document is unlawful and offenders may be prosecuted to the fullest extent of the law

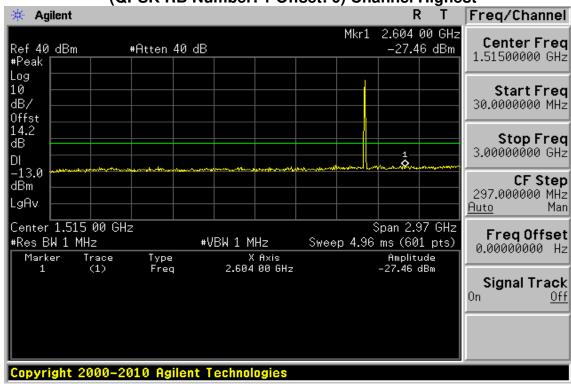
No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

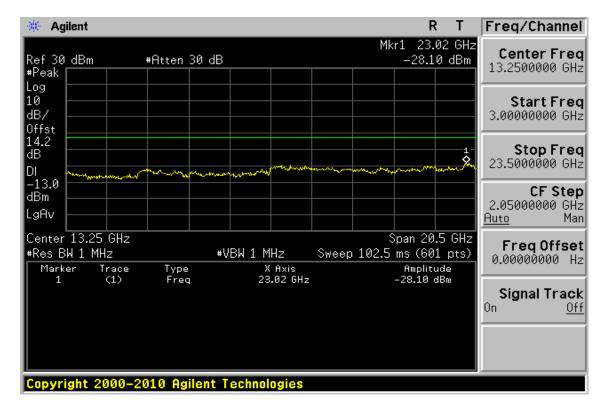
t (886-2) 2299-3279



Page: 427 of 725

## 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

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report relear only to the sample(s) tested and such sample(s) are retained for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and 90 days only. F document is unlawful and offenders may be prosecuted to the fullest extent of the law

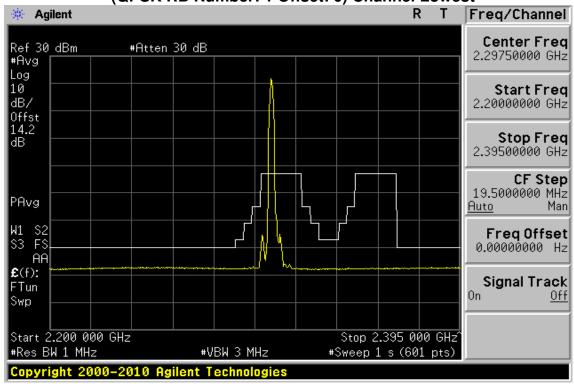
S Taiwan Ltd. No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

f (886-2) 2298-0488

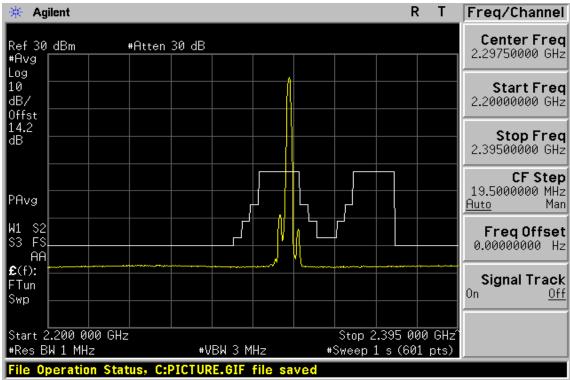


Page: 428 of 725

## 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.

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report relear only to the sample(s) tested and such sample(s) are retained for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and 90 days only. F document is unlawful and offenders may be prosecuted to the fullest extent of the law

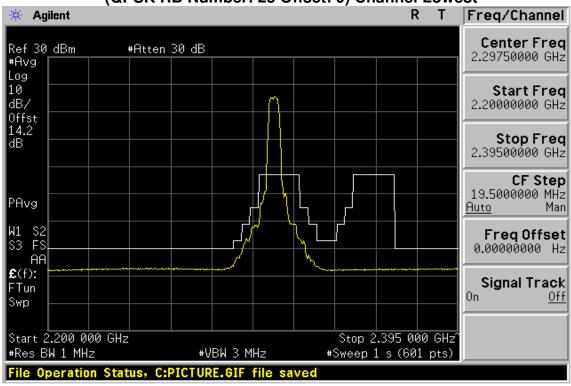
No.134,WuKungRoad,NewTaipeilndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

S Taiwan Ltd.

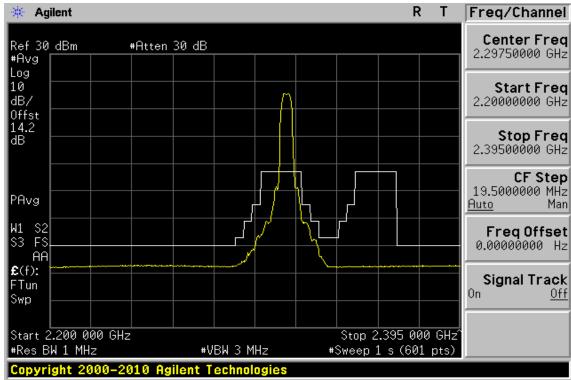


Page: 429 of 725

## 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.

Unless otherwise stated the results shown in this test report relear only to the sample(s) tested and such sample(s) are retained for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and 90 days only. F document is unlawful and offenders may be prosecuted to the fullest extent of the law

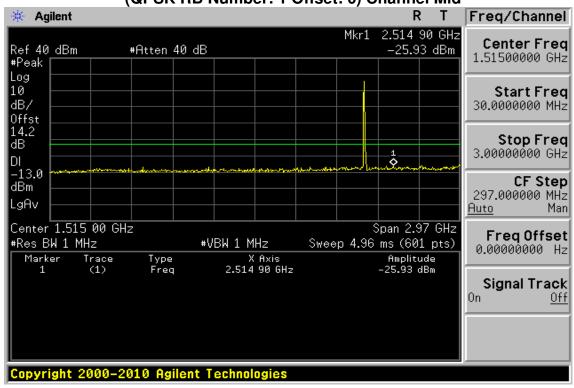
S Taiwan Ltd. No.134,WuKungRoad,NewTaipeilndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

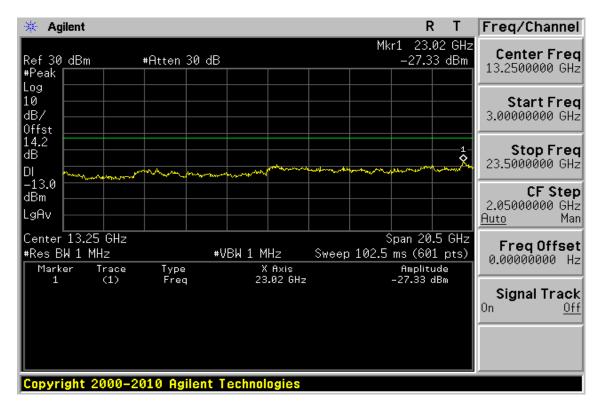
t (886-2) 2299-3279



Page: 430 of 725

## 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

t (886-2) 2299-3279

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

Pk非另有说明,此報告結果僅對測試之樣品負責,同時止樣品僅保留到天。本報告未經本公司書面許可,不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 of the fuller to the fuller to the full of the formation of the content of the fuller to the full of the fuller to the fuller to the full of the fuller to the fuller to the full of the fuller to the fuller to the full of the fuller to the fuller to the full of the fuller to the fuller to the fuller to the full of the fuller to the fuller to the fuller to the full of the fuller to the full of the fuller to the fuller to the full of the fuller to the full of the fuller to the full of the fuller to the fuller to th document is unlawful and offenders may be prosecuted to the fullest extent of the law

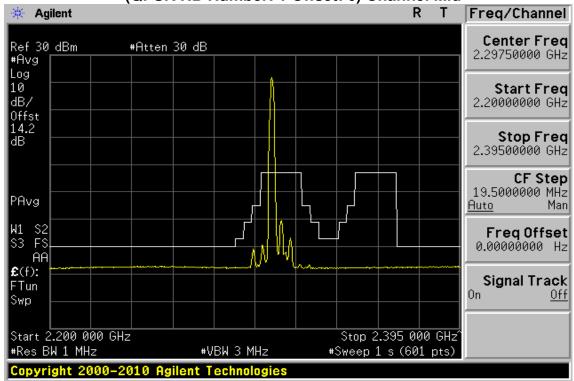
No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 S Taiwan Ltd.

台灣檢驗科技股份有限公司

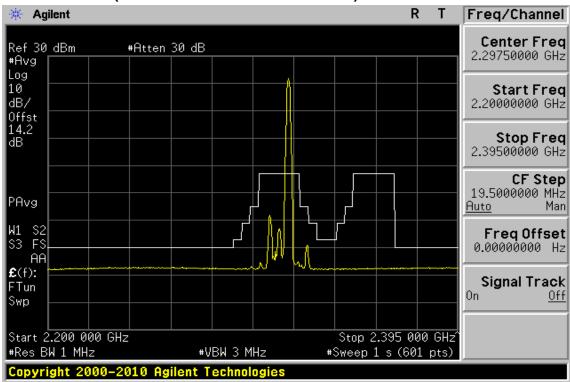


Page: 431 of 725

## 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.

Unless otherwise stated the results shown in this test report relear only to the sample(s) tested and such sample(s) are retained for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and 90 days only. F document is unlawful and offenders may be prosecuted to the fullest extent of the law

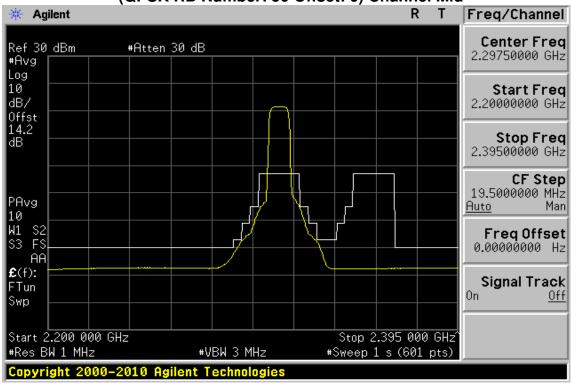
No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 S Taiwan Ltd.

t (886-2) 2299-3279



Page: 432 of 725

## 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,同時此樣品僅保留到天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlockful to and efforted are to the fullest content of the full content o document is unlawful and offenders may be prosecuted to the fullest extent of the law

SGS Taiwan Ltd. No.134,WuKungRoad,NewTaipeilndustrialPark,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

f (886-2) 2298-0488



Page: 433 of 725

#### 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 +10log(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 <a href="https://www.sgs.com/terms">www.sgs.com/terms</a> and <a href="https://www.sgs.com/terms">conditions.htm</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="https://www.sgs.com/terms">www.sgs.com/terms</a> 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.

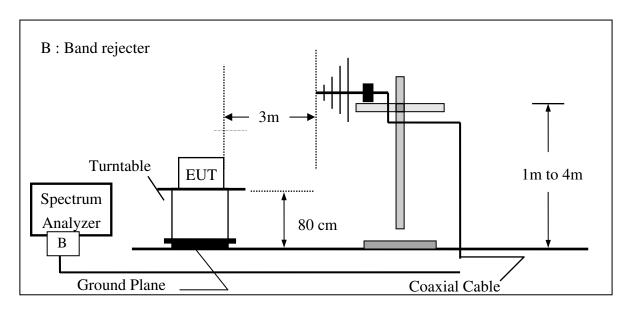
No.134,WuKungRoad,NewTaipeilndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號



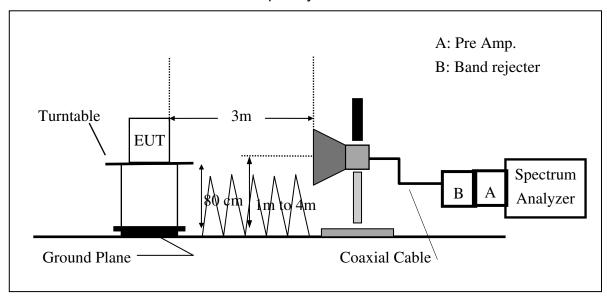
Page: 434 of 725

## 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



Page: 435 of 725

#### 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.

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

EIRP (dBm) = SG Level(dBm) + Antenna Gain(dBi) + 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,同時此樣品僅保留卯天。本報告未經本公司書面許可,不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sqs.com/terms">www.sqs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sqs.com/terms">www.sqs.com/terms</a> 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 the company is the state of the proposition o instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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,NewTaipeilndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號



Page: 436 of 725

## 10.4. Measurement Equipment Used:

| ERP, I                       | ERP, EIRP MEASUREMENT EQUIPMENT List 966 Chamber |              |            |            |            |  |  |  |  |  |  |
|------------------------------|--|--------------|------------|------------|------------|--|--|--|--|--|--|
| EQUIPMENT TYPE               | MFR  | MODEL        | SERIAL     | LAST CAL.  | CAL DUE.   |  |  |  |  |  |  |
|                              |  | NUMBER       | NUMBER     |            |            |  |  |  |  |  |  |
| 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. 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

t (886-2) 2299-3279

台灣檢驗科技股份有限公司



Page: 437 of 725

| ERP, I              | EIRP MEASUREM   | ENT EQUIPME | NT List 966 | Chamber    |            |
|---------------------|-----------------|-------------|-------------|------------|------------|
| EQUIPMENT TYPE      | MFR             | MODEL       | SERIAL      | LAST CAL.  | CAL DUE.   |
|                     |                 | NUMBER      | NUMBER      |            |            |
| 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 |
| Duo Annu lifi an    | EMC Instruments | EMC0400500  | 000000      | 04/04/0047 | 40/04/0047 |
| Pre-Amplifier       | 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 | D. 0            | 0.41.1000   | 400400      | 00/44/0040 | 00/40/0047 |
| Analyzer            | R&S             | CMU200      | 102189      | 02/11/2016 | 02/10/2017 |
| Radio Communication | A maita         | MT00000     | 0004405047  | 40/00/0040 | 40/00/0047 |
| 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。

除非分有說明,此報告結末性對測試之樣而具實,同時此樣而性保留別大。本報告本經本公司者四計引,不可能的複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="https://www.sgs.com/terms">www.sgs.com/terms</a> 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

No.134,WuKungRoad,NewTaipeilndustrialPark,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

SGS Taiwan Ltd.



Page: 438 of 725

#### 10.5. Measurement Result:

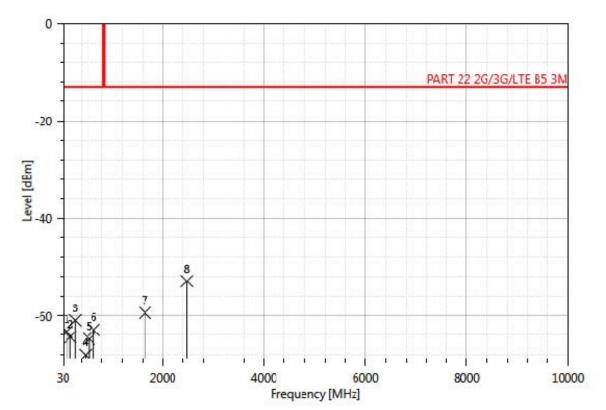
#### Radiated Spurious Emission Measurement Result: GSM 850 Mode

Operation Mode: **GSM 850** Test Date: 04/27/2016 16:10:04

Fundamental Frequency: 24 deg\_C / 61 RH 824.2 MHz Temp. / Humi. :

Operation Band: Tx CH LOW Test Engineer:

EUT Pol.: E2 Plane Measurement Antenna Pol.: VERTICAL



| Freq.   | Note    | Decetor<br>Mode | ERP<br>Level | SG Output<br>Level | Antenna<br>Gain | Cable<br>Loss | Limit<br>@3m | Margin |
|---------|---------|-----------------|--------------|--------------------|-----------------|---------------|--------------|--------|
| MHz     | F/H/E/S | 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 | Н       | Peak            | -59.44       | -62.33             | 7.11            | -4.22         | -13.00       | -46.44 |
| 2472.60 | Н       | 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,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 of the fulled to the fulled the fulled to the document is unlawful and offenders may be prosecuted to the fullest extent of the law

SGS Taiwan Ltd. No.134,WuKungRoad,NewTaipeilndustrialPark,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

台灣檢驗科技股份有限公司

f (886-2) 2298-0488



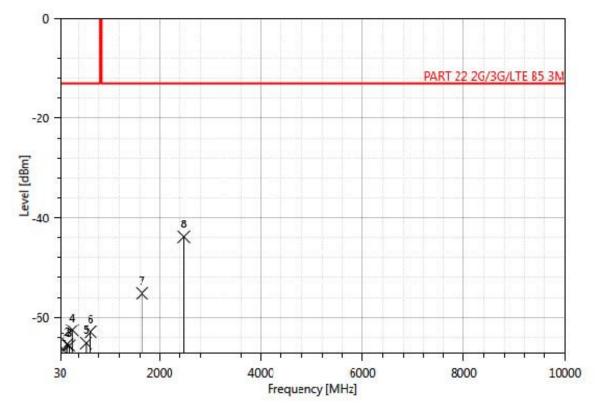
Page: 439 of 725

Operation Mode: Test Date: 04/27/2016 16:10:11 **GSM 850** 

Fundamental Frequency: 824.2 MHz Temp. / Humi.: 24 deg\_C / 61 RH

Operation Band: Tx CH LOW Test Engineer: Tin

EUT Pol.: E2 Plane HORIZONTAL Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -55.13 | -58.01    | 7.11    | -4.22 | -13.00 | -42.13 |
| 2472.60 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



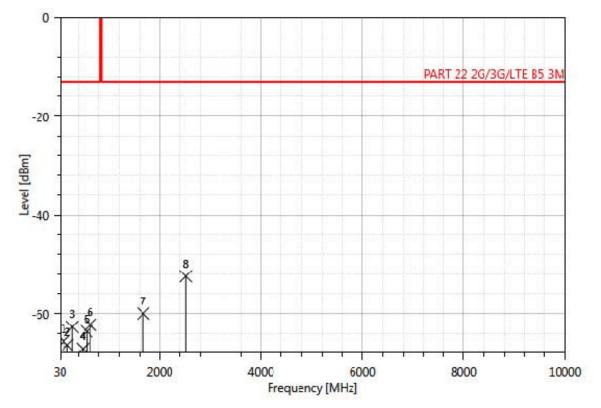
Page: 440 of 725

Operation Mode: Test Date: 04/27/2016 16:10:19 **GSM 850** 

Fundamental Frequency: 836.6 MHz Temp. / Humi.: 24 deg\_C / 61 RH

Operation Band: Tx CH MID Test Engineer: Tin

EUT Pol.: E2 Plane **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBd     | dB    | dBm         | 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 | Н       | Peak     | -59.96 | -62.87    | 7.20    | -4.29 | -13.00      | -46.96 |
| 2509.80 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



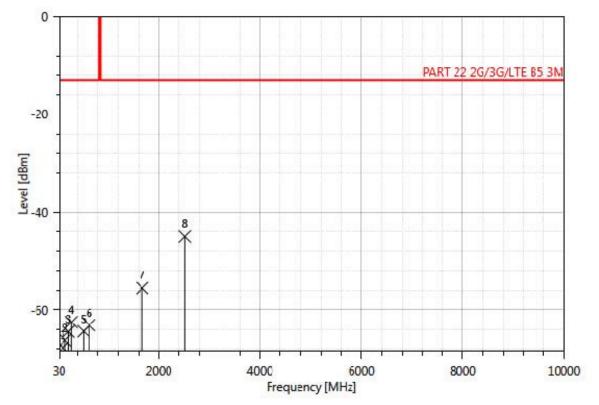
Page: 441 of 725

Operation Mode: Test Date: 04/27/2016 16:10:26 **GSM 850** 

Fundamental Frequency: 836.6 MHz Temp. / Humi.: 24 deg\_C / 61 RH

Operation Band: Tx CH MID Test Engineer: Tin

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -55.56 | -58.47    | 7.20    | -4.29 | -13.00 | -42.56 |
| 2509.80 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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

t (886-2) 2299-3279



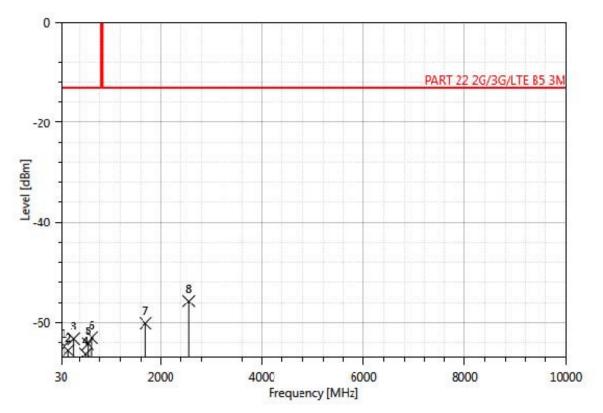
Page: 442 of 725

Operation Mode: 04/27/2016 16:10:34 **GSM 850** Test Date:

Fundamental Frequency: 848.8 MHz Temp. / Humi.: 24 deg\_C / 61 RH

Operation Band: Tx CH HIGH Test Engineer: Tin

EUT Pol.: E2 Plane **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBd     | dB    | dBm         | 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 | Н       | Peak     | -60.19 | -63.17    | 7.28    | -4.31 | -13.00      | -47.19 |
| 2546.40 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



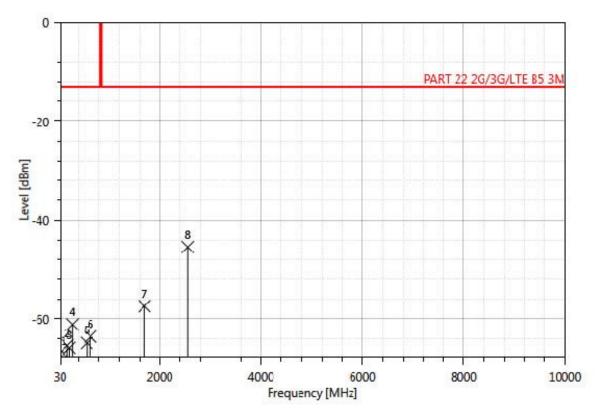
Page: 443 of 725

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 HORIZONTAL Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -57.41 | -60.38    | 7.28    | -4.31 | -13.00 | -44.41 |
| 2546.40 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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

t (886-2) 2299-3279



Page: 444 of 725

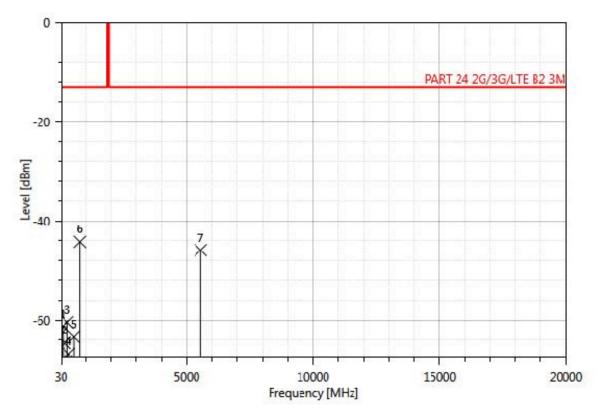
## Radiated Spurious Emission Measurement Result: GPRS 1900 Mode

Operation Mode: **GPRS 1900** 04/27/2016 16:25:02 Test Date:

Fundamental Frequency: 1850.2 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH LOW Test Engineer: Tin

EUT Pol.: E2 Plane **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | 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 | Н       | 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,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 of the fulled to the fulled the fulled to the 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



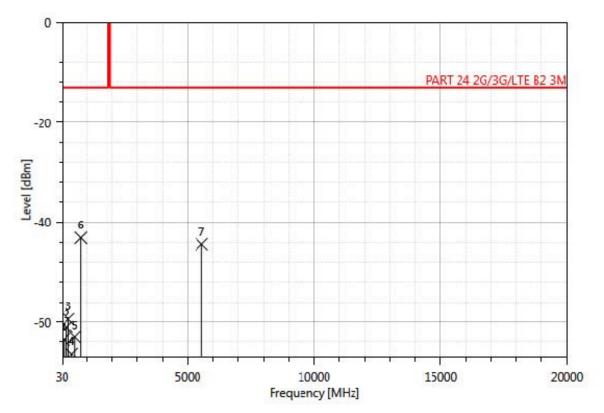
Page: 445 of 725

Operation Mode: **GPRS 1900** 04/27/2016 16:25:16 Test Date:

Fundamental Frequency: 1850.2 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH LOW Test Engineer: Tin

EUT Pol.: E2 Plane HORIZONTAL Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | 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 | Н       | Peak     | -44.37 | -49.03    | 12.90   | -8.24 | -13.00      | -31.37 |

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

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



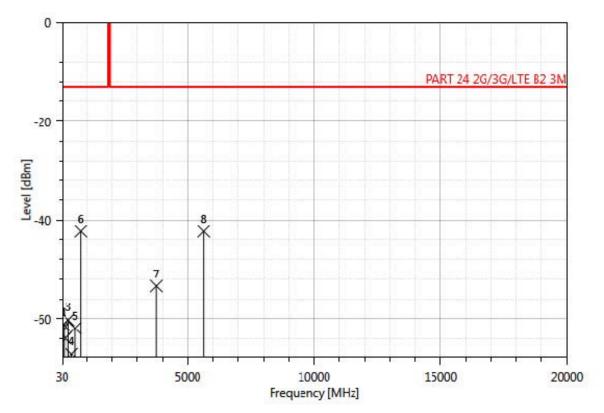
Page: 446 of 725

Operation Mode: **GPRS 1900** 04/27/2016 16:25:29 Test Date:

Fundamental Frequency: 1880 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH MID Test Engineer: Tin

EUT Pol.: E2 Plane **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | 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 | Н       | Peak     | -53.38 | -59.24    | 12.45   | -6.60 | -13.00      | -40.38 |
| 5640.00 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



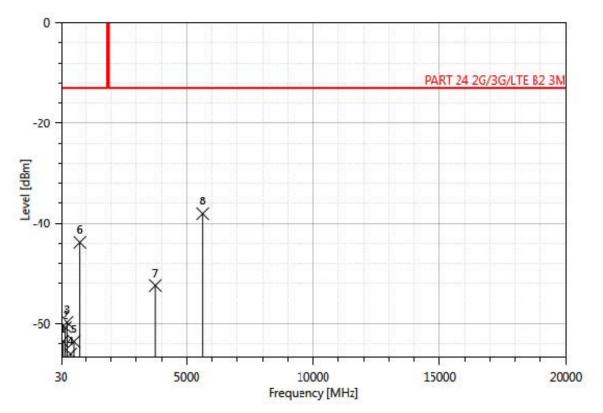
Page: 447 of 725

Operation Mode: **GPRS 1900** 04/27/2016 16:25:43 Test Date:

Fundamental Frequency: 1880 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Tx CH MID Operation Band: Test Engineer: Tin

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | 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 | Н       | Peak     | -52.49 | -58.34    | 12.45   | -6.60 | -13.00 | -39.49 |
| 5640.00 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



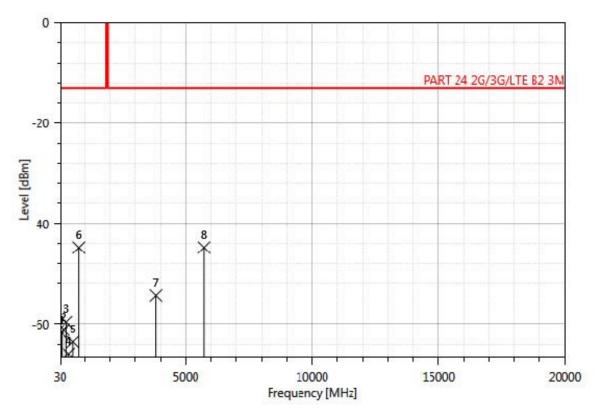
Page: 448 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | 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 | Н       | Peak     | -54.29 | -60.10    | 12.47   | -6.65 | -13.00      | -41.29 |
| 5729.40 | Н       | Peak     | -44.77 | -49.28    | 12.90   | -8.39 | -13.00      | -31.77 |

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



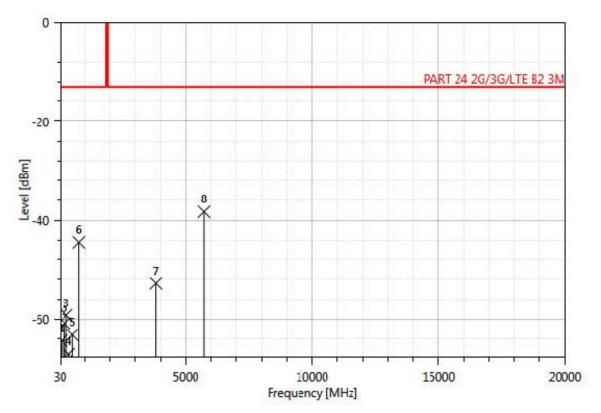
Page: 449 of 725

Operation Mode: **GPRS 1900** 04/27/2016 16:26:11 Test Date:

Fundamental Frequency: 1909.8 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH HIGH Test Engineer: Tin

EUT Pol.: E2 Plane HORIZONTAL Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | 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 | Н       | Peak     | -52.78 | -58.59    | 12.47   | -6.65 | -13.00      | -39.78 |
| 5729.40 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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

t (886-2) 2299-3279

台灣檢驗科技股份有限公司

f (886-2) 2298-0488



Page: 450 of 725

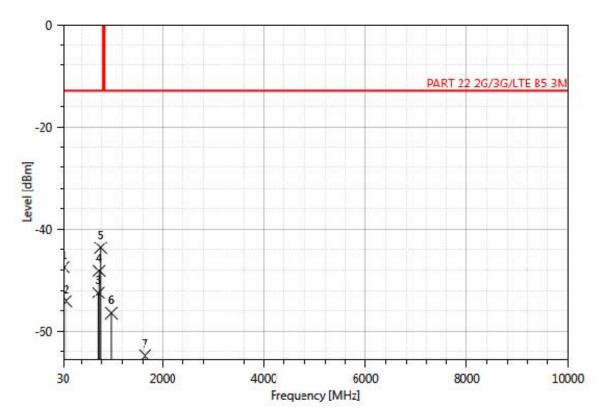
#### Radiated Spurious Emission Measurement Result: CDMA BC0 Mode

Operation Mode: **CDMA 850** Test Date: 01/10/2017

21 deg\_C / 62 RH Fundamental Frequency: 824.7 MHz Temp. / Humi. :

Operation Band: Tx CH LOW Test Engineer: Mike

EUT Pol.: Measurement Antenna Pol.: VERTICAL E1 Plane



| Freq.   | Note    | Decetor  | EIRP   | 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -64.78 | -67.67    | 7.11    | -4.23 | -13.00 | -51.78 |

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 of the fulled to the fulled the fulled to the 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



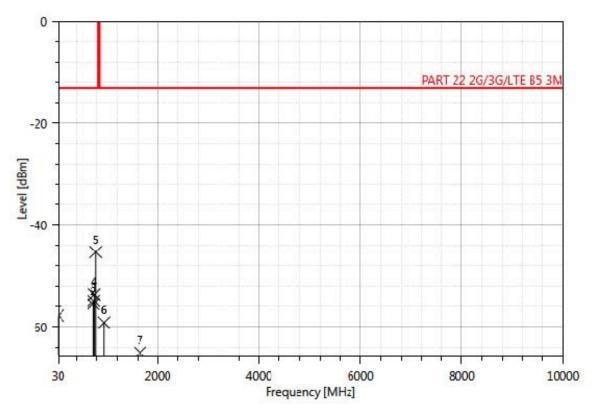
Page: 451 of 725

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 HORIZONTAL Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -65.10 | -67.99    | 7.11    | -4.23 | -13.00 | -52.10 |

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



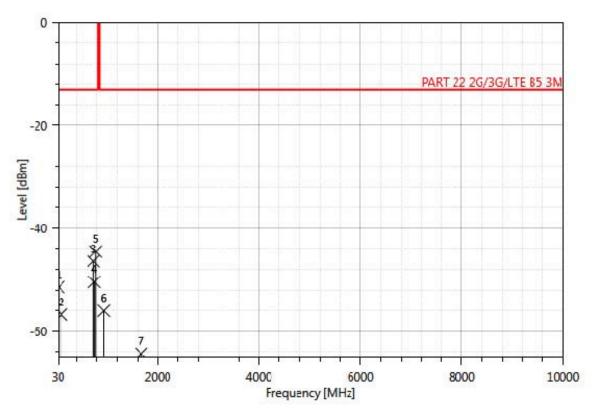
Page: 452 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBd     | dB    | dBm         | dB     |
|         |         |          |        |           |         |       |             |        |
| 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 | Н       | Peak     | -64.40 | -67.31    | 7.20    | -4.29 | -13.00      | -51.40 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



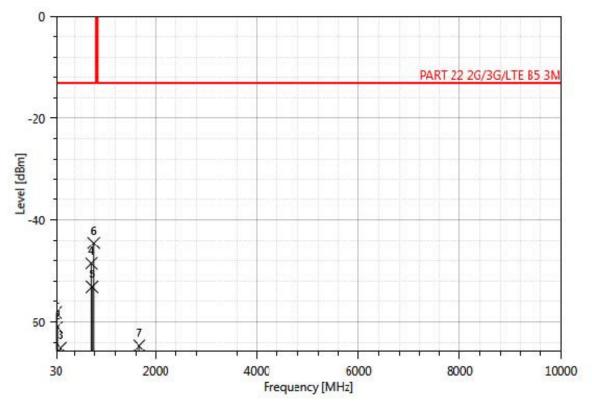
Page: 453 of 725

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 HORIZONTAL Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



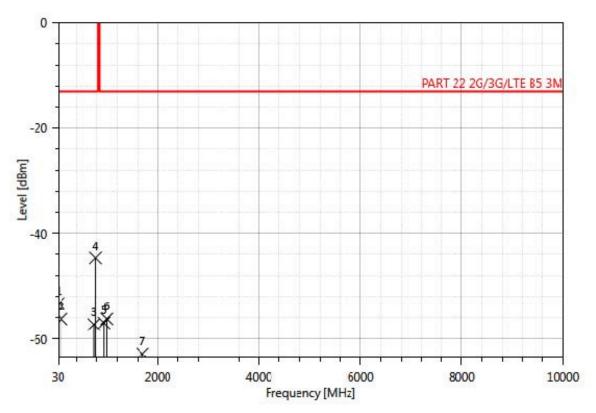
Page: 454 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -62.82 | -65.79    | 7.28    | -4.31 | -13.00 | -49.82 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



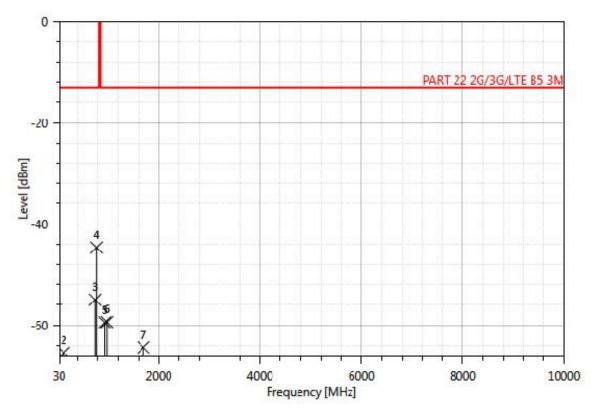
Page: 455 of 725

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 **HORIZONTAL** Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



Page: 456 of 725

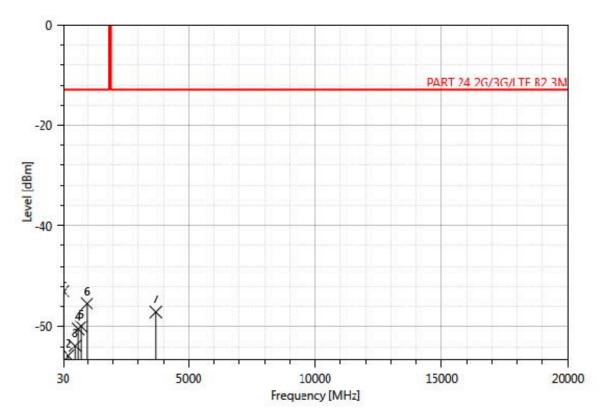
#### Radiated Spurious Emission Measurement Result: CDMA BC1 Mode

**CDMA 1900** 01/10/2017 Operation Mode: Test Date:

Fundamental Frequency: 21 deg\_C / 62 RH 1851.25 MHz Temp. / Humi. :

Operation Band: Tx CH LOW Test Engineer: Mike

EUT Pol.: **VERTICAL** E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | 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 | Н       | Peak     | -57.11 | -62.97    | 12.44   | -6.58 | -13.00      | -44.11 |

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 of the fulled to the fulled the fulled to the 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



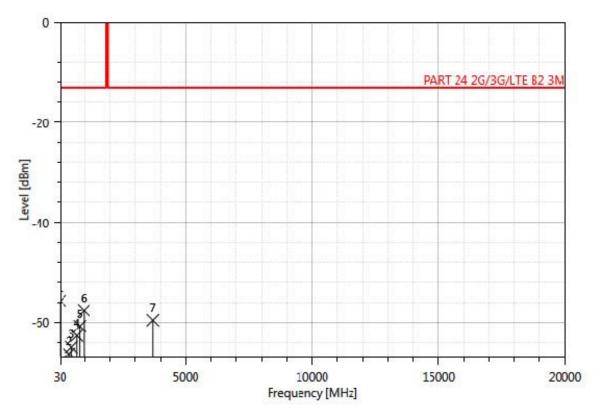
Page: 457 of 725

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 HORIZONTAL Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



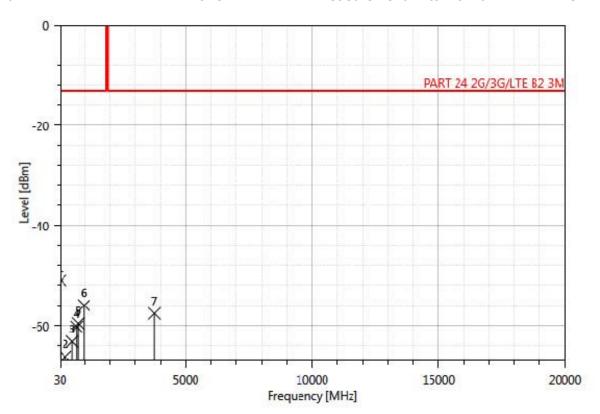
Page: 458 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



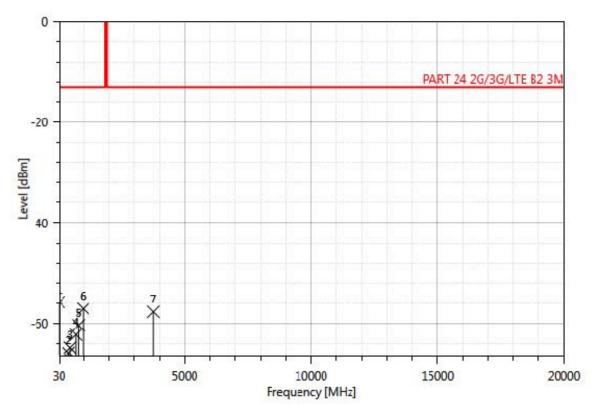
Page: 459 of 725

Operation Mode: **CDMA 1900** Test Date: 01/10/2017

Fundamental Frequency: 1880 MHz Temp. / Humi.: 21 deg\_C / 62 RH

Tx CH MID Operation Band: Test Engineer: Mike

EUT Pol.: E2 Plane HORIZONTAL Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



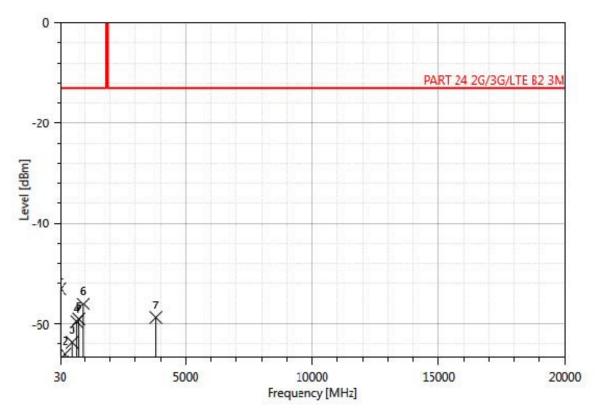
Page: 460 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | 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 | Н       | Peak     | -58.74 | -64.56    | 12.47   | -6.64 | -13.00 | -45.74 |

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



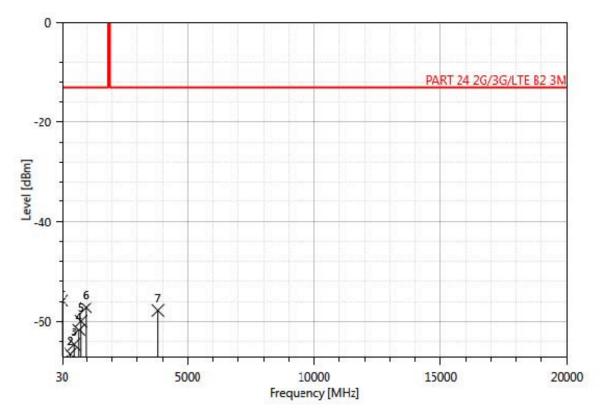
Page: 461 of 725

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 **HORIZONTAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | 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 | Н       | Peak     | -57.89 | -63.71    | 12.47   | -6.64 | -13.00      | -44.89 |

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



Page: 462 of 725

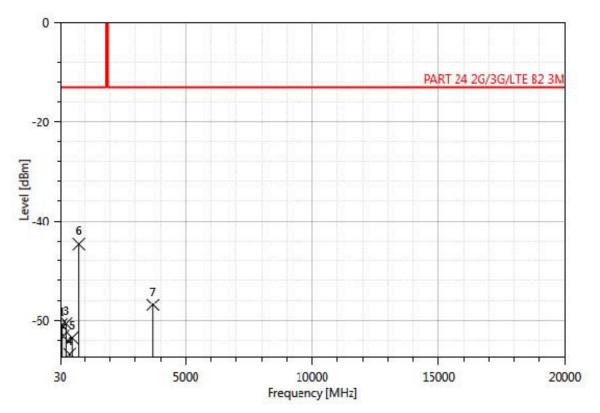
### Radiated Spurious Emission Measurement Result: HDSPA II Mode

Operation Mode: HSDPA B2 04/27/2016 16:26:25 Test Date:

Fundamental Frequency: 1852.4 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH LOW Test Engineer: Tin

EUT Pol.: E2 Plane **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | 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 | Н       | 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,同時此樣品僅保留到天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlockful to and efforted are to the fullest content of the full content o 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



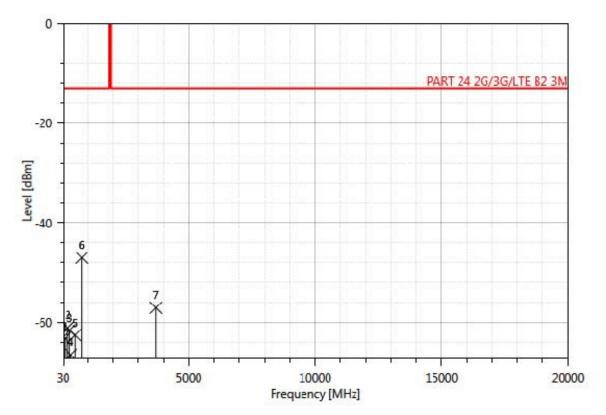
Page: 463 of 725

Operation Mode: 04/27/2016 16:26:38 HSDPA B2 Test Date:

Fundamental Frequency: 1852.4 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH LOW Test Engineer: Tin

EUT Pol.: E2 Plane HORIZONTAL Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | 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 | Н       | Peak     | -57.06 | -62.92    | 12.44   | -6.58 | -13.00      | -44.06 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



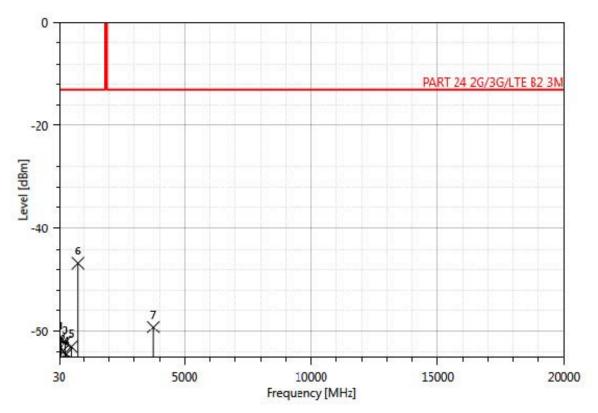
Page: 464 of 725

Operation Mode: 04/27/2016 16:26:52 HSDPA B2 Test Date:

Fundamental Frequency: 1880 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH MID Test Engineer: Tin

EUT Pol.: E2 Plane **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



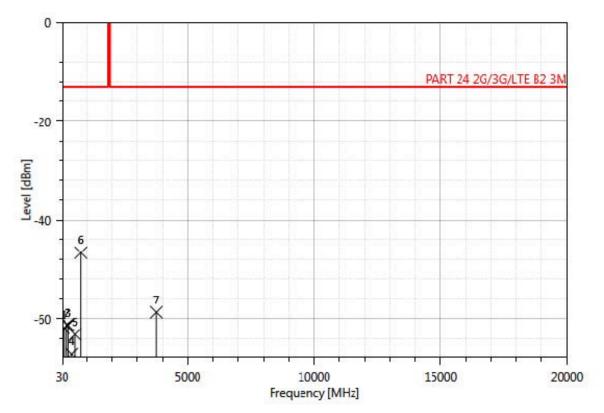
Page: 465 of 725

Operation Mode: 04/27/2016 16:27:05 HSDPA B2 Test Date:

Fundamental Frequency: 1880 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Tx CH MID Operation Band: Test Engineer: Tin

EUT Pol.: E2 Plane HORIZONTAL Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



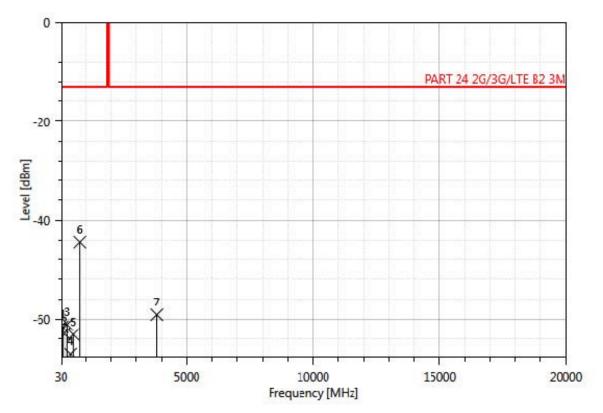
Page: 466 of 725

Operation Mode: 04/27/2016 16:27:19 HSDPA B2 Test Date:

Fundamental Frequency: 1907.6 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH HIGH Test Engineer: Tin

EUT Pol.: E2 Plane **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | 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 | Н       | Peak     | -59.14 | -64.97    | 12.46   | -6.63 | -13.00 | -46.14 |

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



Page: 467 of 725

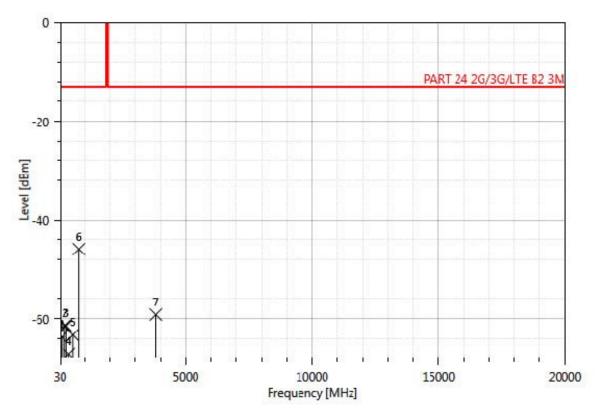
04/27/2016

Operation Mode: HSDPA B2 Test Date: 16:27:33

Fundamental Frequency: 22 deg\_C / 62 RH 1907.6 MHz Temp. / Humi.:

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 |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | 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 | Н       | Peak     | -59.18 | -65.01    | 12.46   | -6.63 | -13.00 | -46.18 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



Page: 468 of 725

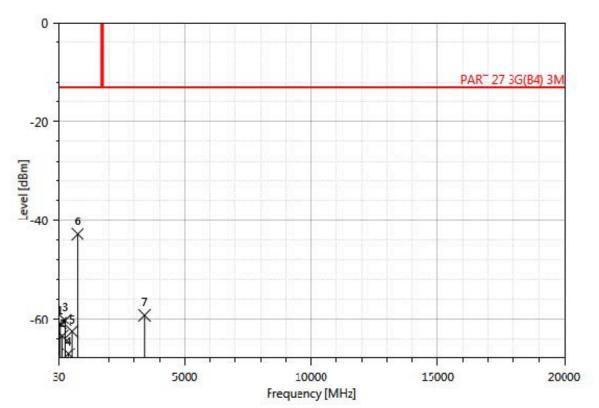
### Radiated Spurious Emission Measurement Result: HSUPA IV Mode

Operation Mode: **HSUPA B4** 04/27/2016 16:46:55 Test Date:

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 |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -59.21 | -65.25    | 12.27   | -6.23 | -13.00 | -46.21 |

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 of the fulled to the fulled the fulled to the 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



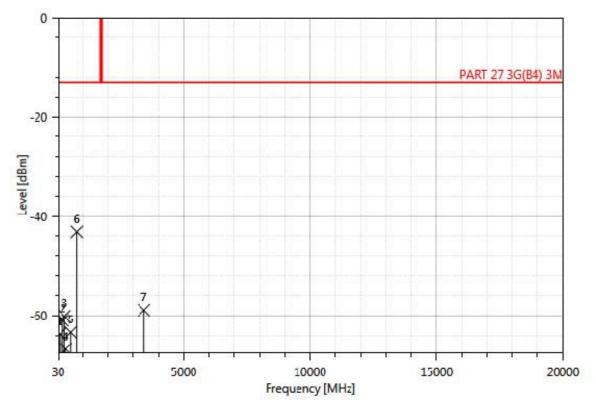
Page: 469 of 725

Operation Mode: 04/27/2016 16:47:09 **HSUPA B4** Test Date:

Fundamental Frequency: 1712.4 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH LOW Test Engineer: Tin

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | dB     |
|         |         |          |        |           |         |       |             |        |
| 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 | Н       | Peak     | -58.93 | -64.97    | 12.27   | -6.23 | -13.00      | -45.93 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



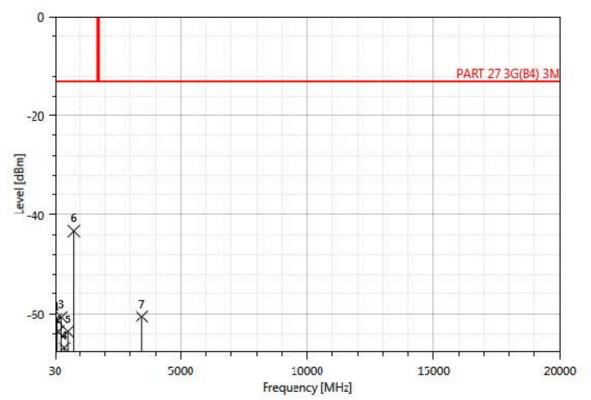
Page: 470 of 725

Operation Mode: 04/27/2016 16:47:22 **HSUPA B4** Test Date:

Fundamental Frequency: 1732.6 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH MID Test Engineer: Tin

EUT Pol.: E2 Plane **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -60.56 | -66.65    | 12.34   | -6.25 | -13.00 | -47.56 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



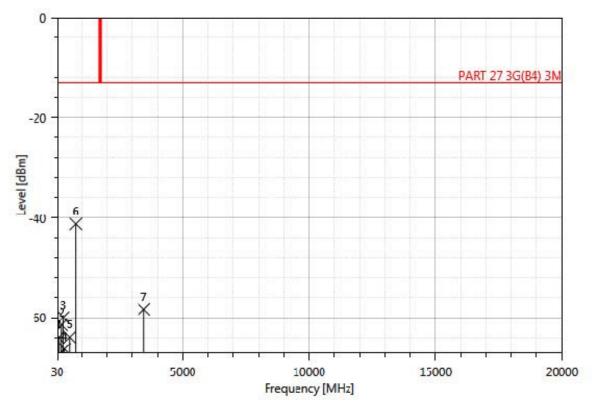
Page: 471 of 725

Operation Mode: 04/27/2016 16:47:36 **HSUPA B4** Test Date:

Fundamental Frequency: 1732.6 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH MID Test Engineer: Tin

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | 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 | Н       | Peak     | -58.34 | -64.44    | 12.34   | -6.25 | -13.00 | -45.34 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



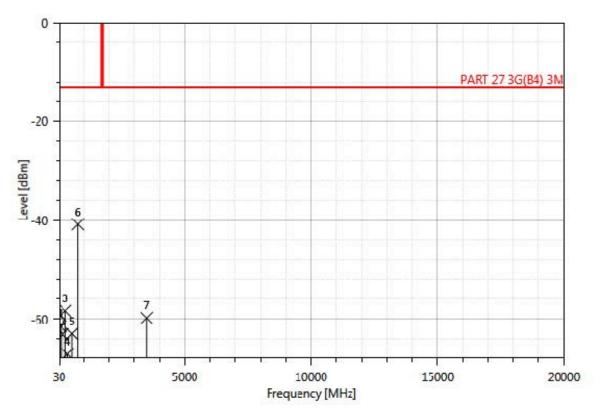
Page: 472 of 725

Operation Mode: 04/27/2016 16:47:50 **HSUPA B4** Test Date:

Fundamental Frequency: 1752.6 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH HIGH Test Engineer: Tin

EUT Pol.: E2 Plane **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -59.82 | -65.76    | 12.40   | -6.47 | -13.00 | -46.82 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



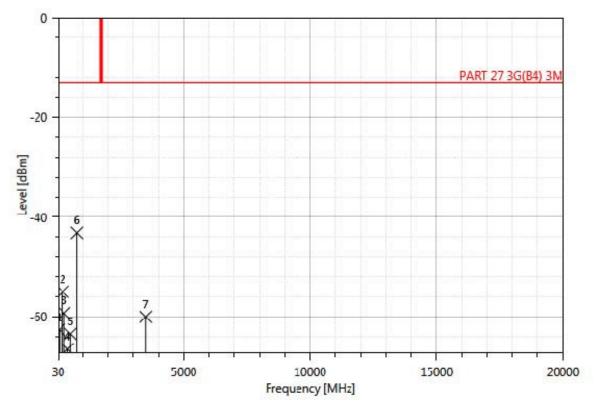
Page: 473 of 725

Operation Mode: 04/27/2016 16:48:03 **HSUPA B4** Test Date:

Fundamental Frequency: 1752.6 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH HIGH Test Engineer: Tin

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |   |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|---|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |   |
| <br>MHz | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     | _ |
|         |         |          |        |           |         |       |        |        |   |
| 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 | Н       | Peak     | -60.00 | -65.93    | 12.40   | -6.47 | -13.00 | -47.00 |   |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



Page: 474 of 725

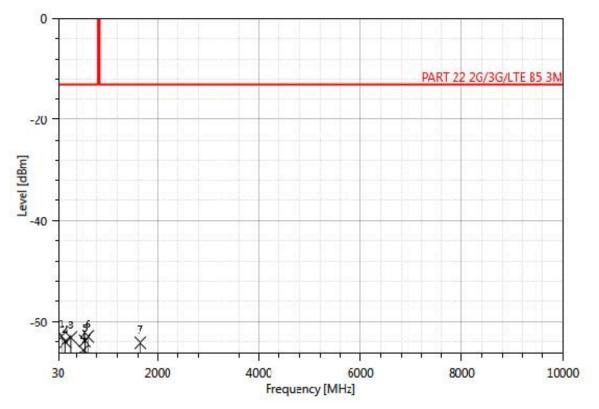
### Radiated Spurious Emission Measurement Result: WCDMA V Mode

Operation Mode: WCDMA B5 04/27/2016 16:10:49 Test Date:

Fundamental Frequency: 826.4 MHz Temp. / Humi.: 24 deg\_C / 61 RH

Operation Band: Tx CH LOW Test Engineer: Tin

EUT Pol.: E2 Plane **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBd     | dB    | dBm         | 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 | Н       | Peak     | -64.15 | -67.03    | 7.12    | -4.24 | -13.00      | -51.15 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 of the fulled to the fulled the fulled to the document is unlawful and offenders may be prosecuted to the fullest extent of the law



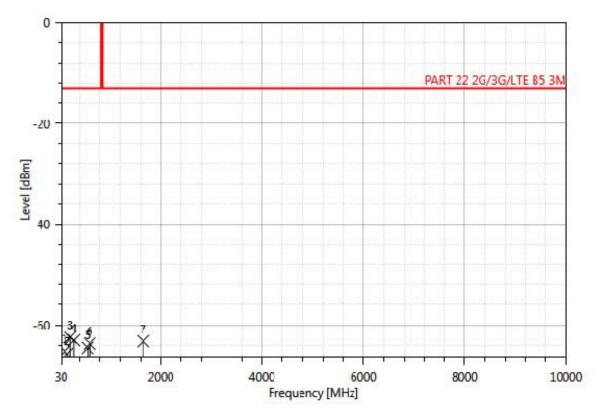
Page: 475 of 725

Operation Mode: 04/27/2016 16:10:56 WCDMA B5 Test Date:

Fundamental Frequency: 826.4 MHz Temp. / Humi.: 24 deg\_C / 61 RH

Operation Band: Tx CH LOW Test Engineer: Tin

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



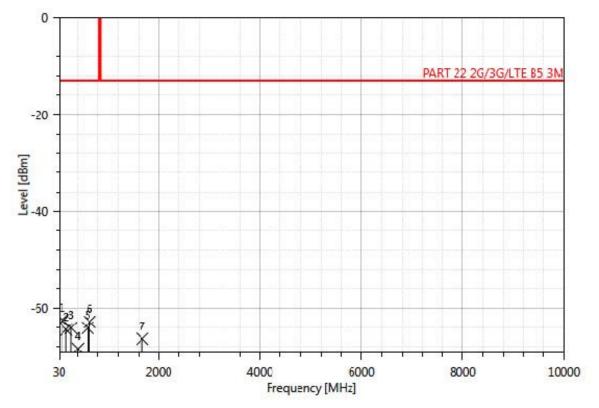
Page: 476 of 725

Operation Mode: 04/27/2016 16:11:03 WCDMA B5 Test Date:

Fundamental Frequency: 836.6 MHz Temp. / Humi.: 24 deg\_C / 61 RH

Operation Band: Tx CH MID Test Engineer: Tin

EUT Pol.: E2 Plane **VERTICAL** Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -66.34 | -69.25    | 7.20    | -4.29 | -13.00 | -53.34 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

台灣檢驗科技股份有限公司

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



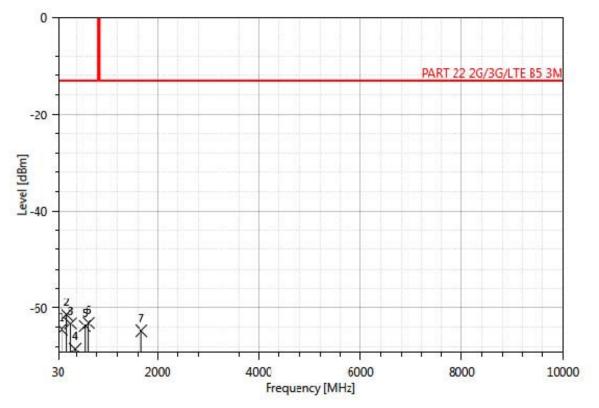
Page: 477 of 725

Operation Mode: 04/27/2016 16:11:11 WCDMA B5 Test Date:

Fundamental Frequency: 836.6 MHz Temp. / Humi.: 24 deg\_C / 61 RH

Operation Band: Tx CH MID Test Engineer: Tin

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

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



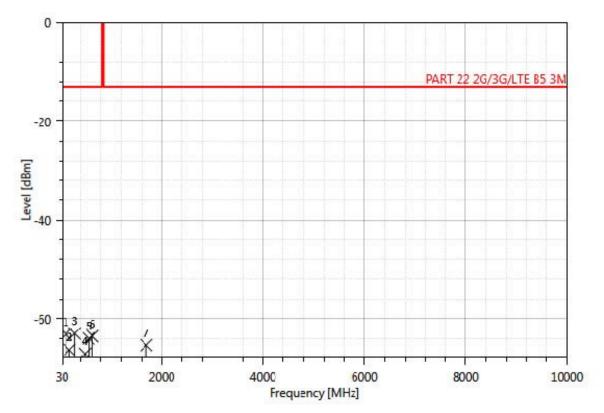
Page: 478 of 725

Operation Mode: 04/27/2016 16:11:18 WCDMA B5 Test Date:

Fundamental Frequency: 846.6 MHz Temp. / Humi.: 24 deg\_C / 61 RH

Operation Band: Tx CH HIGH Test Engineer: Tin

EUT Pol.: E2 Plane **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



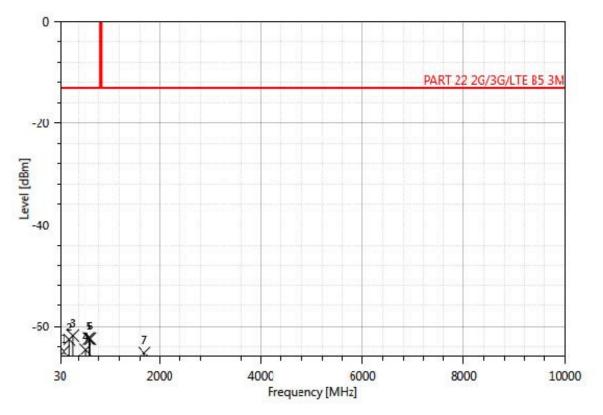
Page: 479 of 725

Operation Mode: 04/27/2016 16:11:25 WCDMA B5 Test Date:

Fundamental Frequency: 846.6 MHz Temp. / Humi.: 24 deg\_C / 61 RH

Operation Band: Tx CH HIGH Test Engineer: Tin

EUT Pol.: E2 Plane HORIZONTAL Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

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



Page: 480 of 725

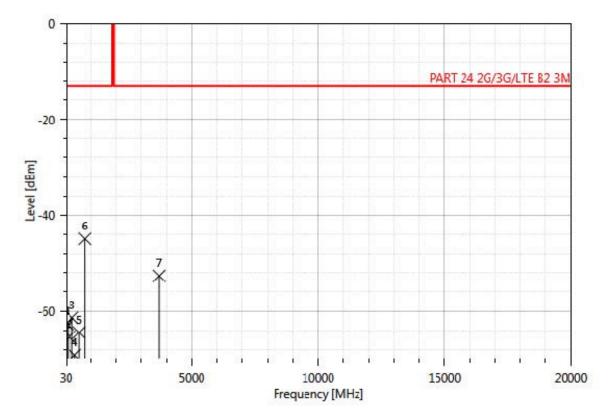
# Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 2 QPSK RB 1 0 (The Worst Case)

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 |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | 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,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 of the fulled to the fulled the fulled to the document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



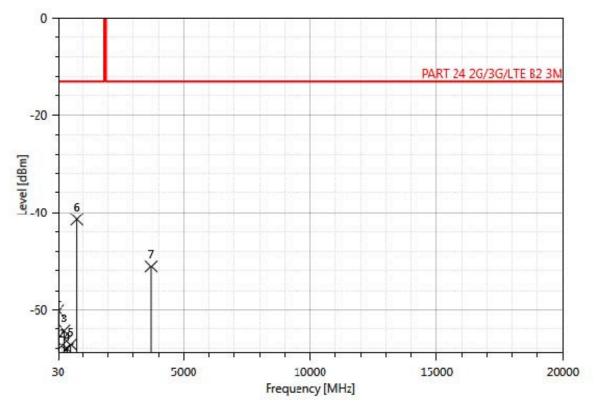
Page: 481 of 725

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

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol. :



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

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



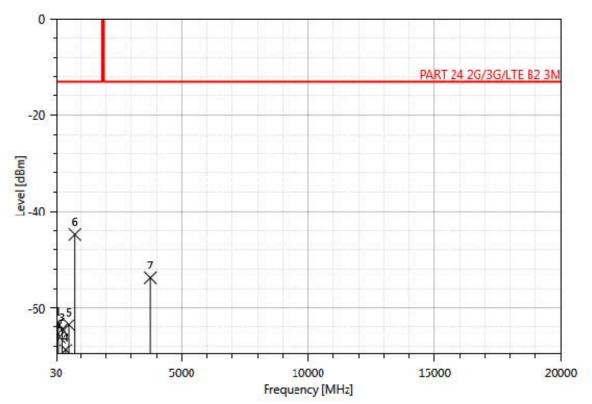
Page: 482 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



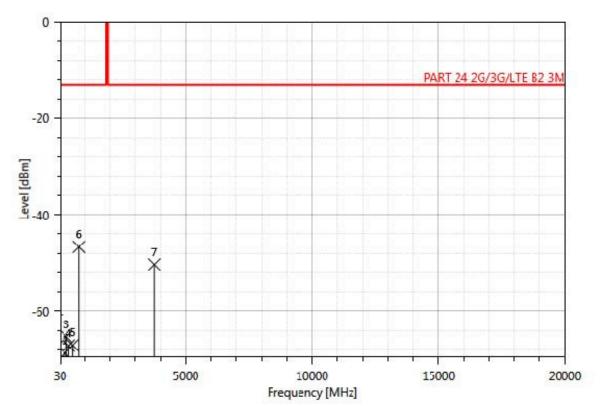
Page: 483 of 725

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

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -50.31 | -56.17    | 12.45   | -6.60 | -13.00 | -37.31 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



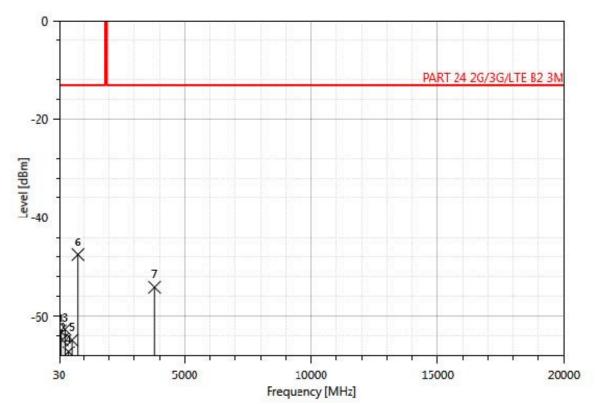
Page: 484 of 725

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 **VERTICAL** Measurement Antenna Pol.:



|   | Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |   |
|---|---------|---------|----------|--------|-----------|---------|-------|--------|--------|---|
|   |         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |   |
| _ | MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     | _ |
|   |         |         |          |        |           |         |       |        |        |   |
|   | 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 | Н       | Peak     | -54.12 | -59.97    | 12.46   | -6.62 | -13.00 | -41.12 |   |

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



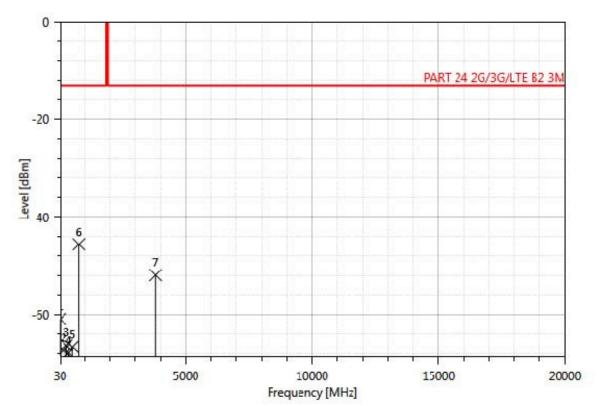
Page: 485 of 725

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

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -51.93 | -57.77    | 12.46   | -6.62 | -13.00 | -38.93 |

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



Page: 486 of 725

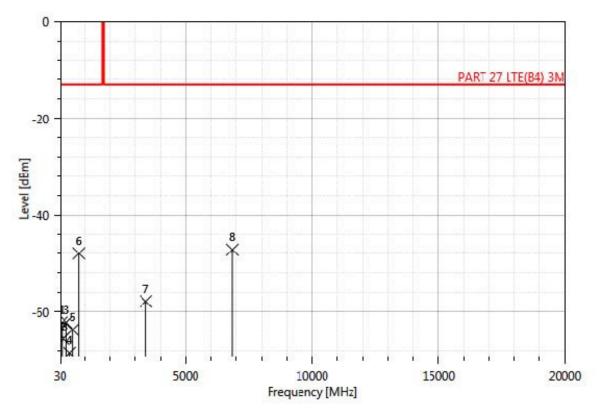
# Radiated Spurious Emission Measurement Result: 3MHz BW LTE-Band 4 16QAM RB 1 0 (The Worst Case)

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    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -57.86 | -63.90    | 12.27   | -6.23 | -13.00 | -44.86 |
| 6846.00 | Н       | 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,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 of the fulled to the fulled the fulled to the document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



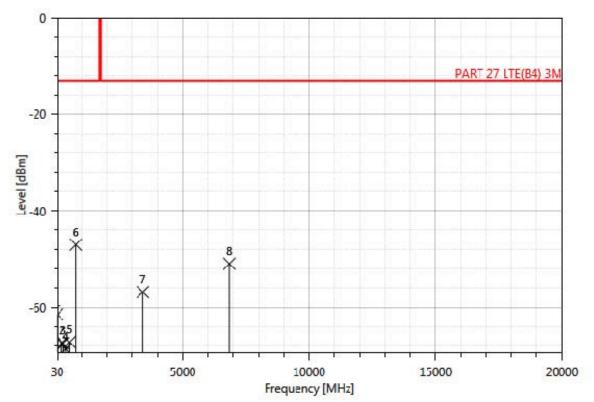
Page: 487 of 725

Operation Mode: 04/27/2016 10:22:12 LTE B4 Test Date:

Fundamental Frequency: 1711.5 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH LOW Test Engineer: Tin

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -56.82 | -62.85    | 12.27   | -6.23 | -13.00 | -43.82 |
| 6846.00 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



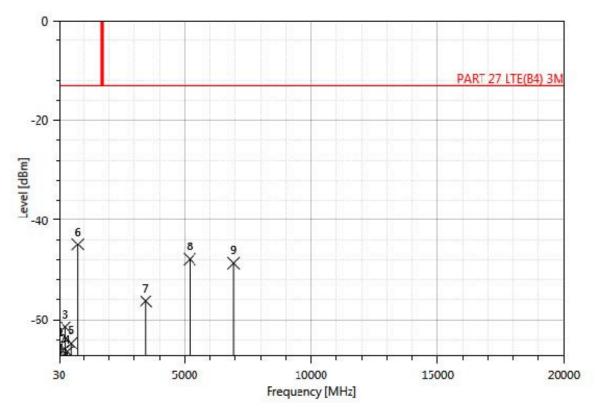
Page: 488 of 725

Operation Mode: LTE B4 04/27/2016 10:22:26 Test Date:

Fundamental Frequency: 1732.5 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH MID Test Engineer: Tin

EUT Pol.: E2 Plane **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | 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 | Н       | Peak     | -56.29 | -62.38    | 12.34   | -6.25 | -13.00 | -43.29 |
| 5197.50 | Н       | Peak     | -47.82 | -52.64    | 12.78   | -7.96 | -13.00 | -34.82 |
| 6930.00 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



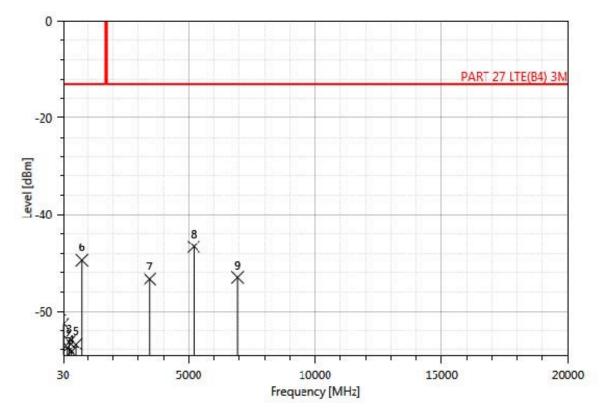
Page: 489 of 725

Operation Mode: LTE B4 04/27/2016 10:22:39 Test Date:

Fundamental Frequency: 1732.5 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH MID Test Engineer: Tin

EUT Pol.: E2 Plane **HORIZONTAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -53.37 | -59.46    | 12.34   | -6.25 | -13.00 | -40.37 |
| 5197.50 | Н       | Peak     | -46.66 | -51.48    | 12.78   | -7.96 | -13.00 | -33.66 |
| 6930.00 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



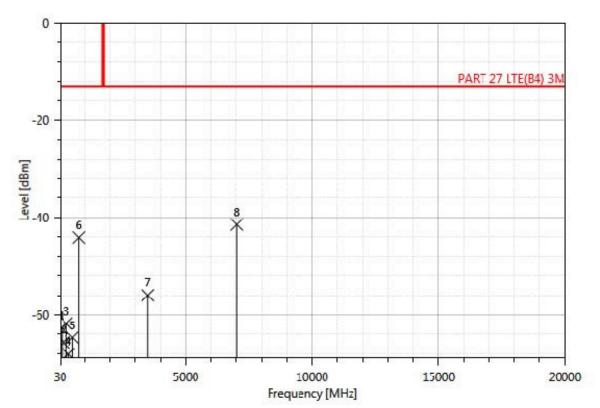
Page: 490 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -55.98 | -61.91    | 12.40   | -6.48 | -13.00 | -42.98 |
| 7014.00 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

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



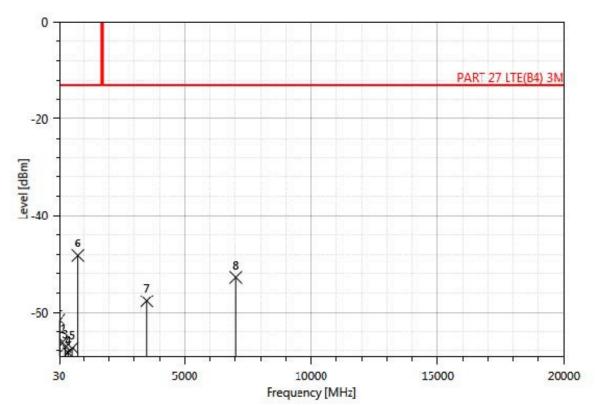
Page: 491 of 725

Operation Mode: LTE B4 04/27/2016 10:23:07 Test Date:

Fundamental Frequency: 1753.5 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH HIGH Test Engineer: Tin

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | dB     |
|         |         |          |        |           |         |       |             |        |
| 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 | Н       | Peak     | -57.65 | -63.57    | 12.40   | -6.48 | -13.00      | -44.65 |
| 7014.00 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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.sqs.com



Fundamental Frequency: 825.5 MHz

Report No.: ER/2017/10026

22 deg\_C / 62 RH

Page: 492 of 725

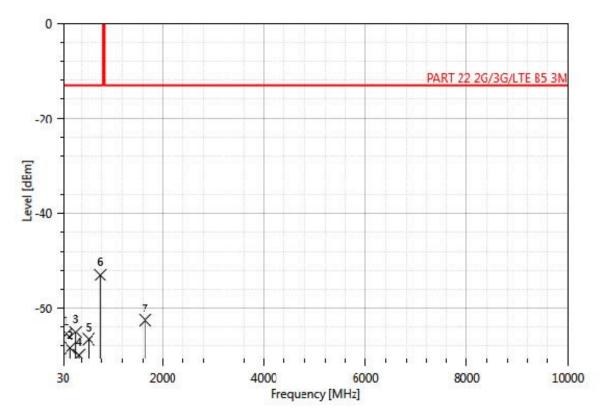
# Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 5 QPSK RB 1 0 (The Worst Case)

Operation Mode: LTE B5 Test Date: 04/27/2016 09:31:32

Temp. / Humi.:

Operation Band: Tx CH LOW Test Engineer:

EUT Pol.: H Plane Measurement Antenna Pol.: VERTICAL



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBd     | dB    | dBm         | dB     |
|         |         |          |        |           |         |       |             |        |
| 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 | Н       | Peak     | -62.53 | -67.57    | 9.27    | -4.23 | -13.00      | -49.53 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 of the fulled to the fulled the fulled to the document is unlawful and offenders may be prosecuted to the fullest extent of the law



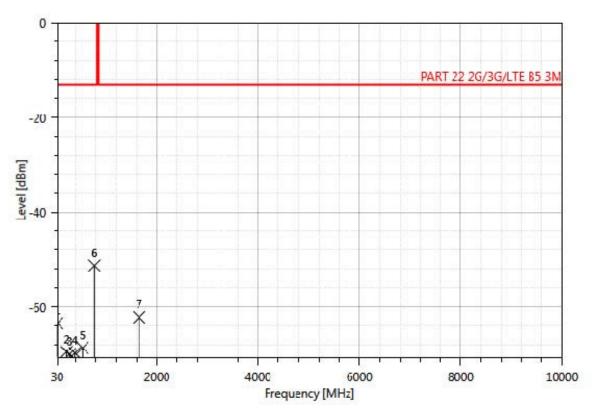
Page: 493 of 725

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 |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | 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 | Н       | Peak     | -62.18 | -67.22    | 9.27    | -4.23 | -13.00 | -49.18 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



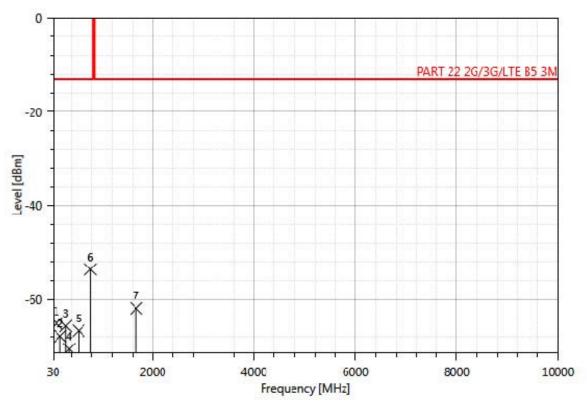
Page: 494 of 725

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 |  |
|---|---------|---------|----------|--------|-----------|---------|-------|--------|--------|--|
|   |         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |  |
| _ | MHz     | F/H/E/S | 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 | Н       | Peak     | -61.87 | -66.93    | 9.35    | -4.29 | -13.00 | -48.87 |  |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



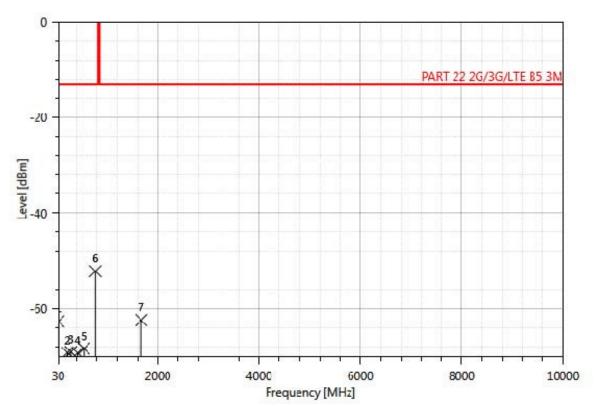
Page: 495 of 725

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 |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | 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 | Н       | Peak     | -62.40 | -67.46    | 9.35    | -4.29 | -13.00 | -49.40 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



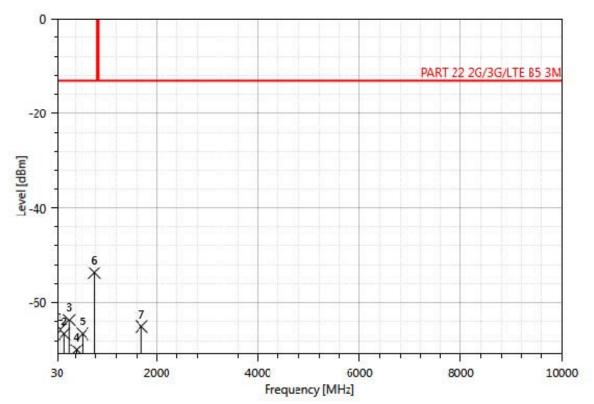
Page: 496 of 725

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 |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | 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 | Н       | Peak     | -65.07 | -68.04    | 7.28    | -4.31 | -13.00 | -52.07 |

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



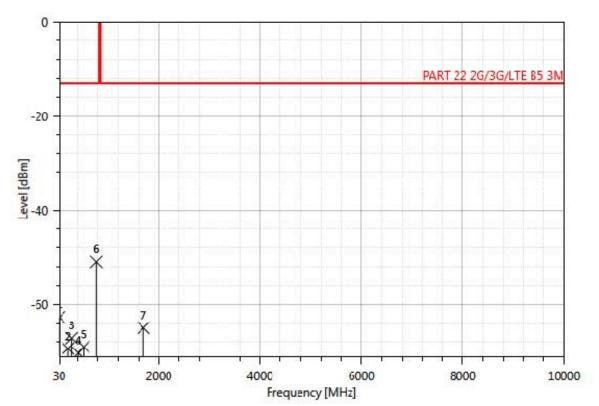
Page: 497 of 725

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 |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



Page: 498 of 725

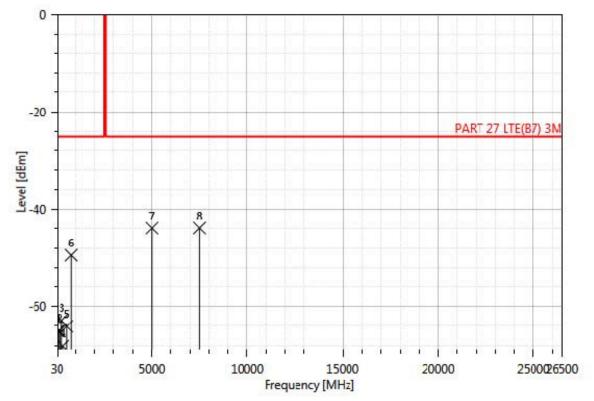
# Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 7 QPSK RB 1 0 (The Worst Case)

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<br>Mode | EIRP<br>Level | SG Output<br>Level | Antenna<br>Gain | Cable<br>Loss | Limit<br>@3m | Margin |
|---------|---------|-----------------|---------------|--------------------|-----------------|---------------|--------------|--------|
|         | E#1/E/0 |                 |               |                    |                 |               | •            | ID     |
| MHz     | F/H/E/S | QP/AV/PK        | dBm           | dBm                | dBi             | dB            | dBm          | dB     |
|         |         |                 |               |                    |                 |               |              |        |
| 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 | Н       | Peak            | -43.92        | -48.81             | 12.70           | -7.81         | -25.00       | -18.92 |
| 7507.50 | Н       | 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,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 of the fulled to the fulled the fulled to the document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



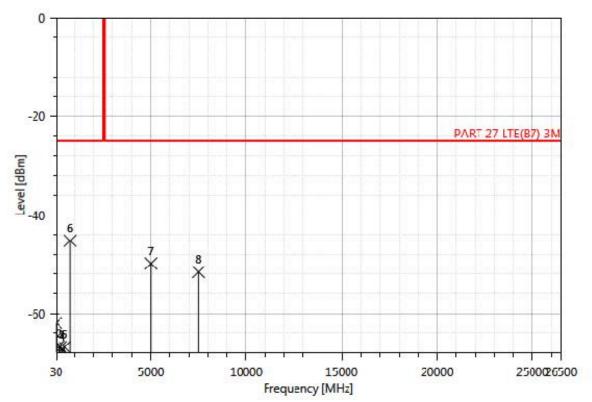
Page: 499 of 725

Operation Mode: LTE B7 04/27/2016 10:42:39 Test Date:

Fundamental Frequency: 2502.5 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH LOW Test Engineer: Tin

EUT Pol.: E1 Plane HORIZONTAL Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -49.83 | -54.72    | 12.70   | -7.81 | -25.00 | -24.83 |
| 7507.50 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



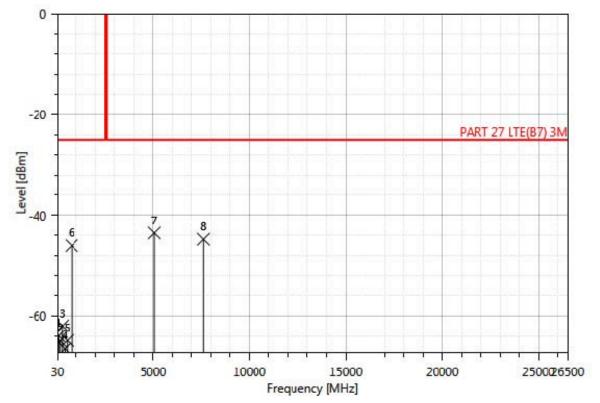
Page: 500 of 725

Operation Mode: LTE B7 04/27/2016 10:42:52 Test Date:

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 |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -43.54 | -48.41    | 12.73   | -7.86 | -25.00 | -18.54 |
| 7605.00 | Н       | Peak     | -44.77 | -45.90    | 11.02   | -9.89 | -25.00 | -19.77 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



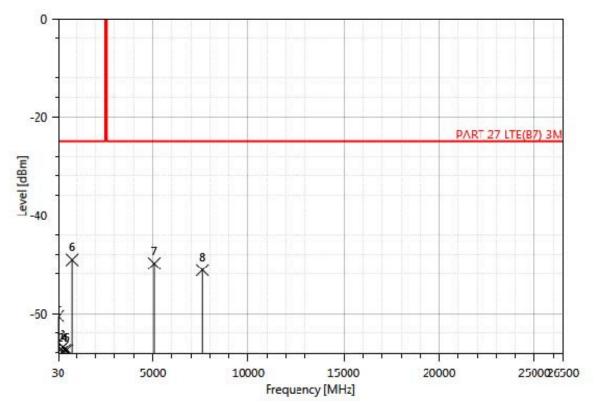
Page: 501 of 725

Operation Mode: LTE B7 04/27/2016 10:43:06 Test Date:

Fundamental Frequency: 2535.0 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH MID Test Engineer: Tin

**HORIZONTAL** EUT Pol.: E1 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -49.80 | -54.67    | 12.73   | -7.86 | -25.00 | -24.80 |
| 7605.00 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



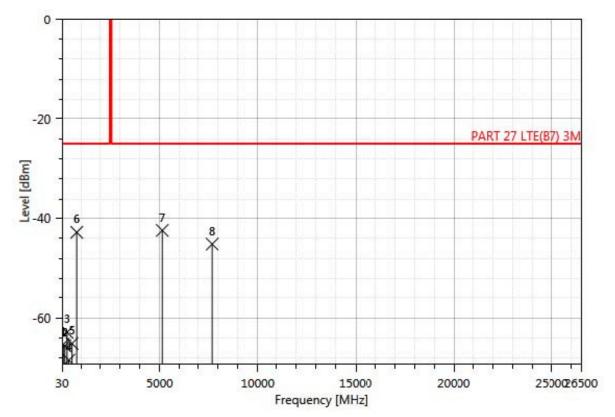
Page: 502 of 725

Operation Mode: LTE B7 04/27/2016 10:43:20 Test Date:

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 |
|---------|---------|----------|--------|-----------|---------|--------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss   | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB     | dBm    | dB     |
|         |         |          |        |           |         |        |        |        |
| 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 | Н       | Peak     | -42.43 | -47.26    | 12.76   | -7.92  | -25.00 | -17.43 |
| 7702.50 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



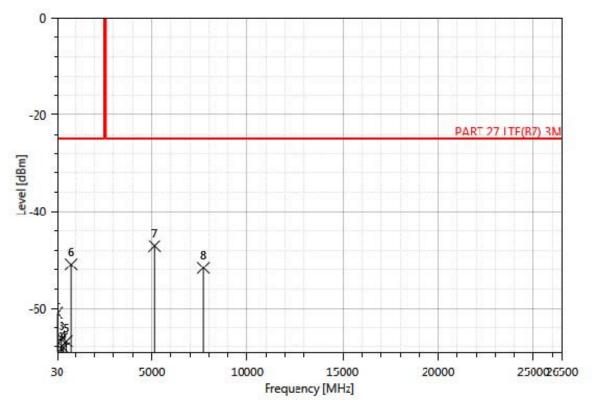
Page: 503 of 725

Operation Mode: LTE B7 04/27/2016 10:43:34 Test Date:

Fundamental Frequency: 2567.5 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH HIGH Test Engineer: Tin

**HORIZONTAL** EUT Pol.: E1 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable  | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|--------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss   | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB     | dBm    | dB     |
|         |         |          |        |           |         |        |        |        |
| 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 | Н       | Peak     | -47.11 | -51.94    | 12.76   | -7.92  | -25.00 | -22.11 |
| 7702.50 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



Page: 504 of 725

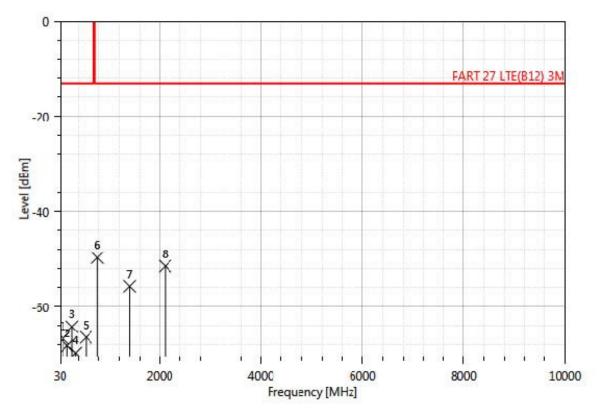
# Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 12 16QAM RB 1 24 (The Worst Case)

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.   | 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -55.75 | -60.14    | 8.29    | -3.90 | -13.00 | -42.75 |
| 2104.50 | Н       | 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,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 of the fulled to the fulled the fulled to the document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



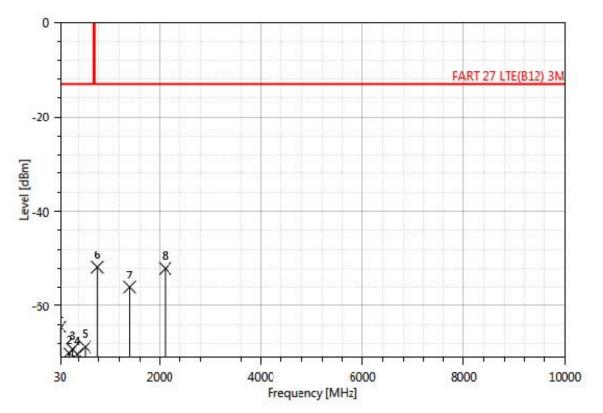
Page: 505 of 725

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.: HORIZONTAL H Plane Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -56.04 | -60.44    | 8.29    | -3.90 | -13.00 | -43.04 |
| 2104.50 | Н       | Peak     | -52.06 | -57.77    | 10.51   | -4.80 | -13.00 | -39.06 |



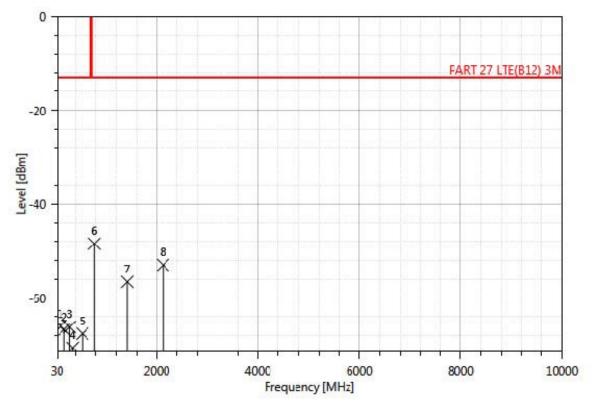
Page: 506 of 725

Operation Mode: LTE B12 Test Date: 04/27/2016 11:44:42

Fundamental Frequency: 707.5 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Tx CH MID Operation Band: Test Engineer: Tin

EUT Pol.: H Plane **VERTICAL** Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -56.57 | -60.99    | 8.34    | -3.91 | -13.00 | -43.57 |
| 2122.50 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



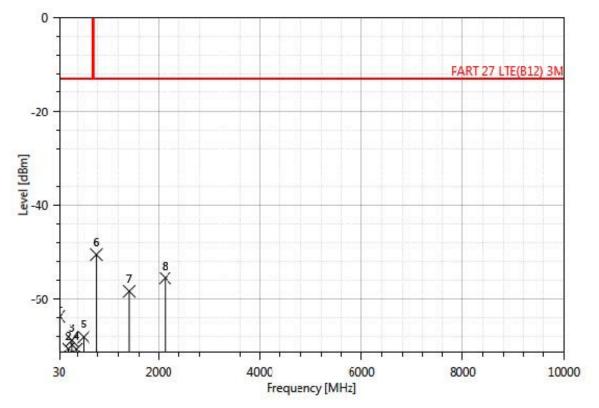
Page: 507 of 725

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

**HORIZONTAL** EUT Pol.: H Plane Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -58.28 | -62.71    | 8.34    | -3.91 | -13.00 | -45.28 |
| 2122.50 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



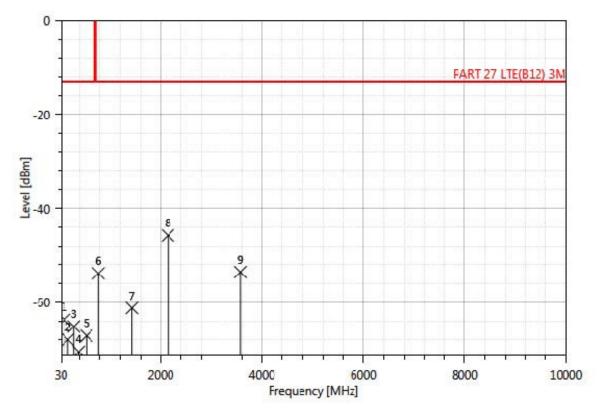
Page: 508 of 725

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.: Measurement Antenna Pol.: VERTICAL H Plane



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBd     | dB    | dBm         | 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 | Н       | Peak     | -61.22 | -65.68    | 8.39    | -3.93 | -13.00      | -48.22 |
| 2140.50 | Н       | Peak     | -45.76 | -51.49    | 10.55   | -4.82 | -13.00      | -32.76 |
| 3567.50 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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

t (886-2) 2299-3279



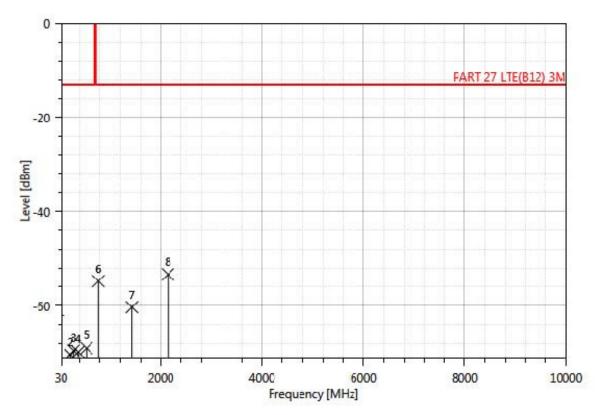
Page: 509 of 725

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.: HORIZONTAL H Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBd     | dB    | dBm         | 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 | Н       | Peak     | -60.35 | -64.81    | 8.39    | -3.93 | -13.00      | -47.35 |
| 2140.50 | Н       | Peak     | -53.37 | -59.10    | 10.55   | -4.82 | -13.00      | -40.37 |



Page: 510 of 725

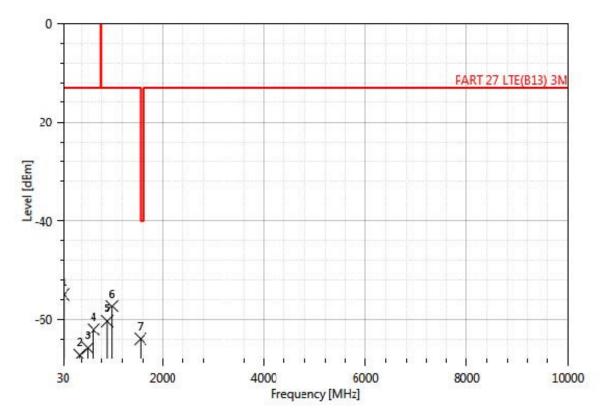
# Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 13 16QAM RB 1 0 (The Worst Case)

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 |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBd     | dB    | dBm         | dB     |
|         |         |          |        |           |         |       |             |        |
| 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 | Н       | 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,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 of the fulled to the fulled the fulled to the document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



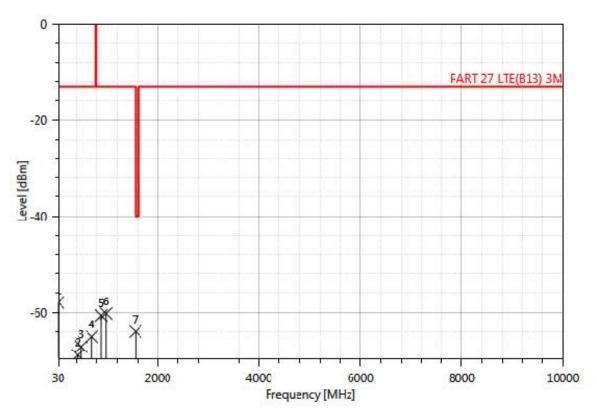
Page: 511 of 725

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

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol. :



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | 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 | Н       | Peak     | -64.02 | -66.67    | 6.78    | -4.12 | -40.00      | -24.02 |



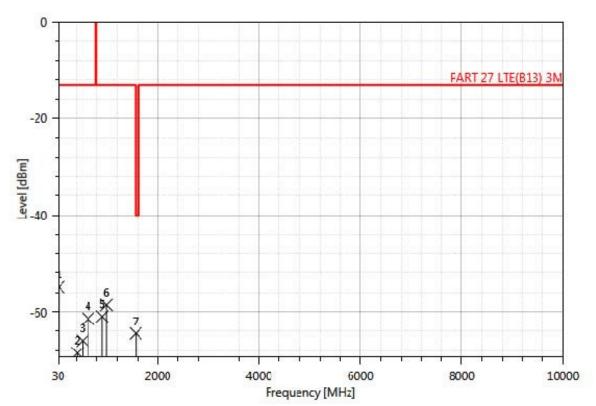
Page: 512 of 725

Operation Mode: LTE B13 Test Date: 01/10/2017

Fundamental Frequency: 782 MHz Temp. / Humi.: 23 deg\_C / 52 RH

Tx CH MID Operation Band: Test Engineer: Mike

EUT Pol.: E2 Plane **VERTICAL** Measurement Antenna Pol.:



|   | 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     | _ |
|   |         |         |          |        |           |         |       |        |        |   |
|   | 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



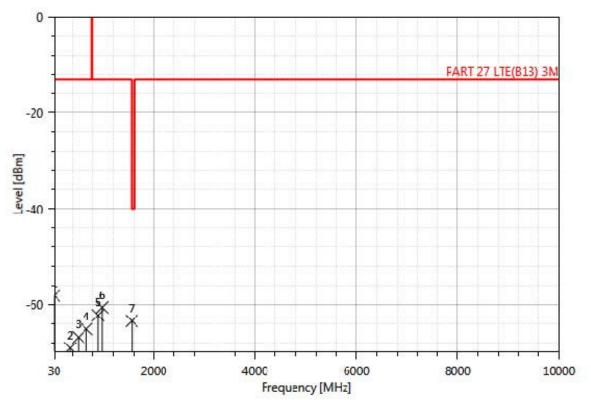
Page: 513 of 725

Operation Mode: LTE B13 Test Date: 01/10/2017

Fundamental Frequency: 782 MHz Temp. / Humi.: 23 deg\_C / 52 RH

Tx CH MID Operation Band: Test Engineer: Mike

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| 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  |   |
|         |   |   |   |   |   |   |  |   |   |
| 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 | Н   | Peak  | -63.39  | -66.06  | 6.80  | -4.13   | -40.00   | -23.39  |   |
|         | 31.94<br>348.16<br>510.15<br>670.20<br>896.21<br>975.75 | MHz F/H/E/S  31.94 S 348.16 S 510.15 S 670.20 S 896.21 S 975.75 S | Mode MHz F/H/E/S QP/AV/PK  31.94 S Peak 348.16 S Peak 510.15 S Peak 670.20 S Peak 896.21 S Peak 975.75 S Peak | Mode Level MHz F/H/E/S QP/AV/PK dBm  31.94 S Peak -58.13 348.16 S Peak -69.06 510.15 S Peak -66.80 670.20 S Peak -65.10 896.21 S Peak -62.23 975.75 S Peak -60.59 | Mode Level Level MHz F/H/E/S QP/AV/PK dBm dBm  31.94 S Peak -58.13 -42.85 348.16 S Peak -69.06 -70.88 510.15 S Peak -66.80 -68.26 670.20 S Peak -65.10 -65.78 896.21 S Peak -62.23 -62.20 975.75 S Peak -60.59 -60.97 | Mode         Level         Level         Gain           MHz         F/H/E/S         QP/AV/PK         dBm         dBm         dBd           31.94         S         Peak         -58.13         -42.85         -14.31           348.16         S         Peak         -69.06         -70.88         3.85           510.15         S         Peak         -66.80         -68.26         3.80           670.20         S         Peak         -65.10         -65.78         3.12           896.21         S         Peak         -62.23         -62.20         3.27           975.75         S         Peak         -60.59         -60.97         3.56 | MHz         F/H/E/S         QP/AV/PK         dBm         Level dBm         Gain dBm         Loss dB           31.94         S         Peak         -58.13         -42.85         -14.31         -0.96           348.16         S         Peak         -69.06         -70.88         3.85         -2.03           510.15         S         Peak         -66.80         -68.26         3.80         -2.34           670.20         S         Peak         -65.10         -65.78         3.12         -2.44           896.21         S         Peak         -62.23         -62.20         3.27         -3.29           975.75         S         Peak         -60.59         -60.97         3.56         -3.18 | MHz         F/H/E/S         QP/AV/PK         dBm         Level dBm         Gain dBd         Loss dBm         @3m dBm           31.94         S         Peak         -58.13         -42.85         -14.31         -0.96         -13.00           348.16         S         Peak         -69.06         -70.88         3.85         -2.03         -13.00           510.15         S         Peak         -66.80         -68.26         3.80         -2.34         -13.00           670.20         S         Peak         -65.10         -65.78         3.12         -2.44         -13.00           896.21         S         Peak         -62.23         -62.20         3.27         -3.29         -13.00           975.75         S         Peak         -60.59         -60.97         3.56         -3.18         -13.00 | MHz         F/H/E/S         QP/AV/PK         dBm         Level dBm         Gain dBd         Loss dBm         @3m dBm           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         -47.59           975.75         S         Peak         -60.59         -60.97         3.56         -3.18         -13.00         -47.59 |



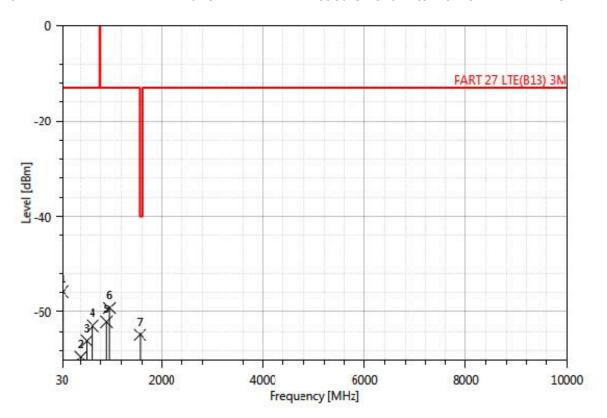
Page: 514 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -64.78 | -67.45    | 6.82    | -4.14 | -40.00 | -24.78 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



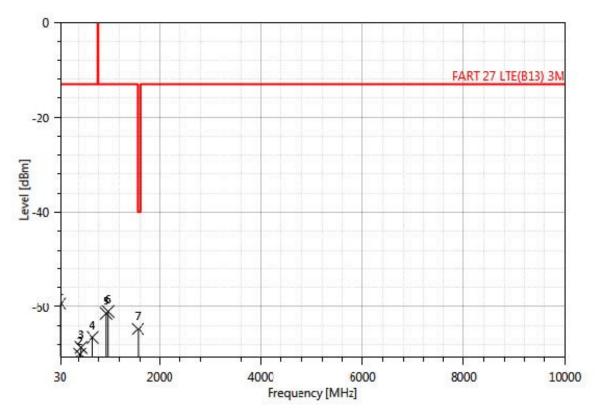
Page: 515 of 725

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 **HORIZONTAL** Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -64.69 | -67.37    | 6.82    | -4.14 | -40.00 | -24.69 |

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



Page: 516 of 725

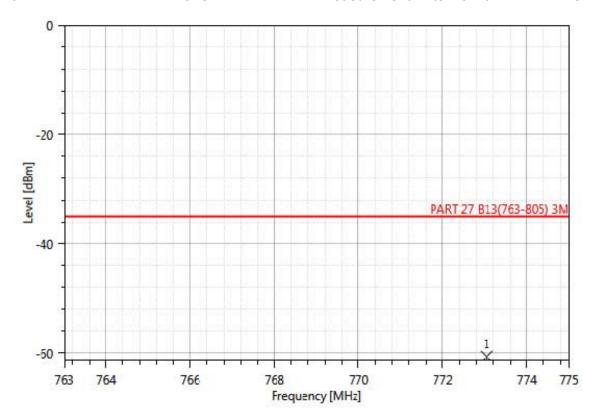
### Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 13(763MHz-775MHz)

Operation Mode: **LTE B13** 01/10/2017 Test Date:

Fundamental Frequency: 779.5 MHz Temp. / Humi.: 23 deg\_C / 52 RH

Operation Band: Tx CH LOW Test Engineer: Mike

EUT Pol.: **VERTICAL** E2 Plane Measurement Antenna Pol.:



| 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     |
|        |         |          |        |           |         |       |        |        |
| 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,同時此樣品僅保留到天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlockful to an efforted growthe to the fullest content of the full of the full of the full of the full of the fullest content of the full of the fullest content of the full of the fullest content of the full of th 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



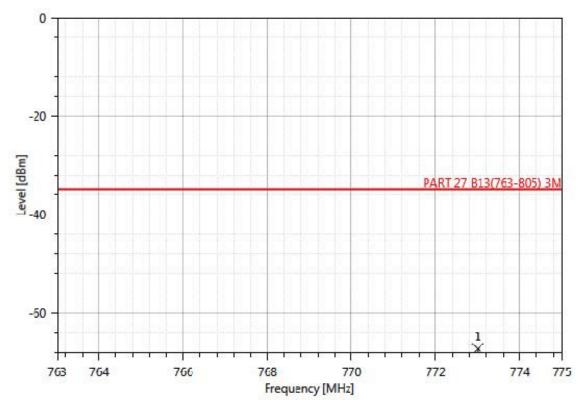
Page: 517 of 725

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 |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| <br>MHz | F/H/E/S | 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 |



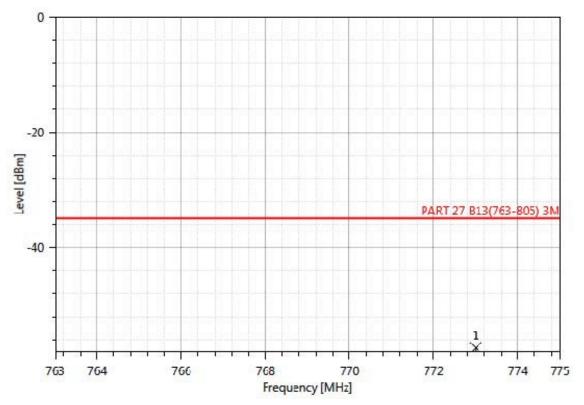
Page: 518 of 725

Operation Mode: Test Date: LTE B13 01/10/2017

Fundamental Frequency: 782 MHz Temp. / Humi.: 23 deg\_C / 52 RH

Tx CH MID Operation Band: 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  | <b>@</b> 3m |        |
| MHz    | F/H/E/S | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



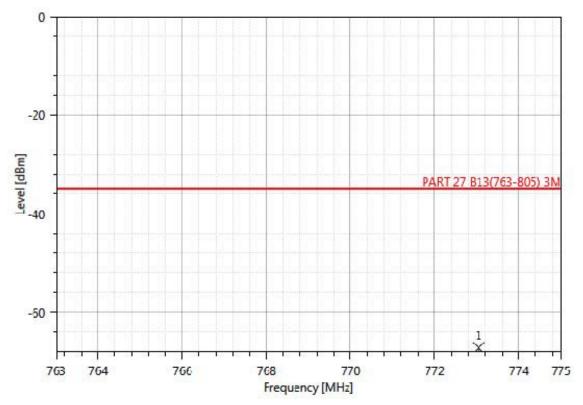
Page: 519 of 725

Operation Mode: LTE B13 Test Date: 01/10/2017

Fundamental Frequency: 782 MHz Temp. / Humi.: 23 deg\_C / 52 RH

Tx CH MID Operation Band: Test Engineer: Mike

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| 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     |
|        |         |          |        |           |         |       |        |        |
| 773.04 | S       | Peak     | -67.27 | -67.59    | 3.26    | -2.93 | -35.00 | -32.27 |



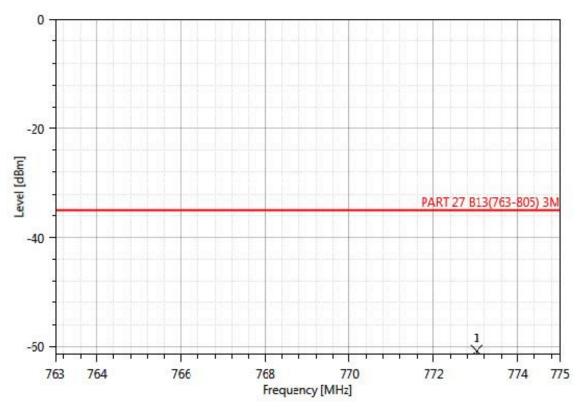
Page: 520 of 725

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.: **VERTICAL** E2 Plane Measurement Antenna Pol.:



| Freq.  | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|--------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|        |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz    | F/H/E/S | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



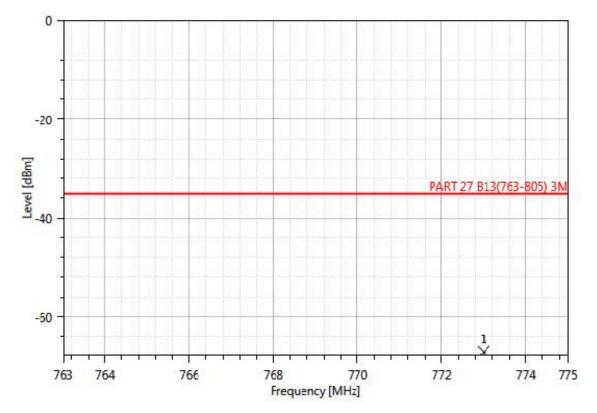
Page: 521 of 725

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 **HORIZONTAL** Measurement Antenna Pol.:



| 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     |
|        |         |          |        |           |         |       |        |        |
| 773.00 | S       | Peak     | -67.06 | -67.38    | 3.26    | -2.93 | -35.00 | -32.06 |



Page: 522 of 725

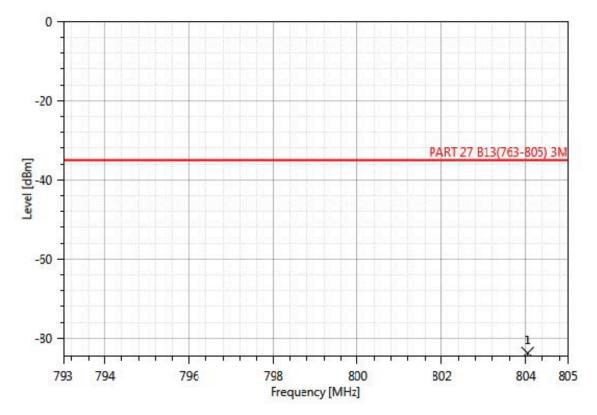
#### Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 13(793MHz-805MHz)

Operation Mode: **LTE B13** 01/10/2017 Test Date:

Fundamental Frequency: 779.5 MHz Temp. / Humi.: 23 deg\_C / 52 RH

Operation Band: Tx CH LOW Test Engineer: Mike

EUT Pol.: **VERTICAL** E2 Plane Measurement Antenna Pol.:



| 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     |
|        |         |          |        |           |         |       |        |        |
| 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,同時此樣品僅保留到天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlockful to an efforted growthe to the fullest content of the full of the full of the full of the full of the fullest content of the full of the fullest content of the full of the fullest content of the full of th 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



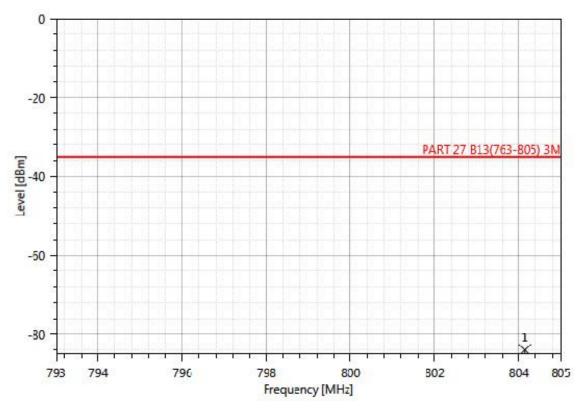
Page: 523 of 725

Operation Mode: LTE B13 Test Date: 01/10/2017

Fundamental Frequency: 779.5 MHz Temp. / Humi.: 23 deg\_C / 52 RH

Tx CH LOW Operation Band: Test Engineer: Mike

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| 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     |
|        |         |          |        |           |         |       |        |        |
| 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



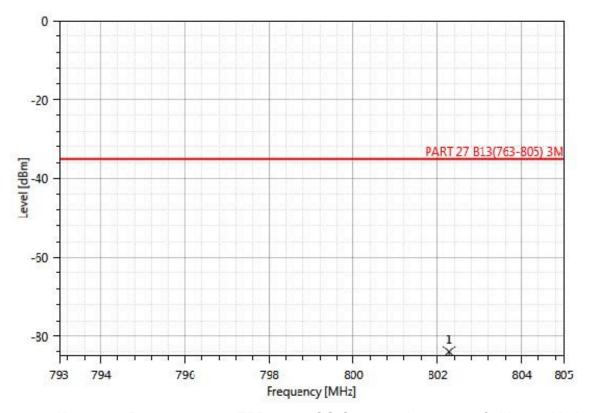
Page: 524 of 725

Operation Mode: LTE B13 Test Date: 01/10/2017

Fundamental Frequency: 782 MHz Temp. / Humi.: 23 deg\_C / 52 RH

Tx CH MID Operation Band: 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



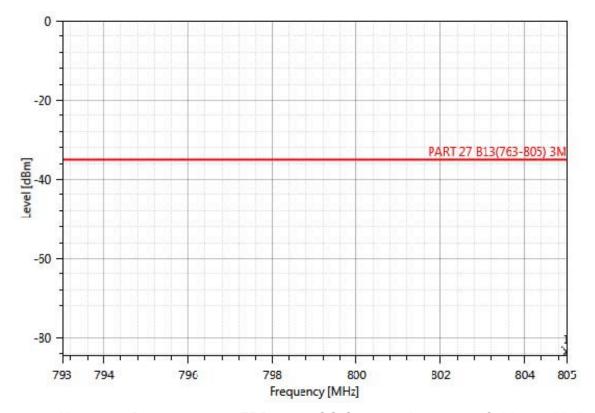
Page: 525 of 725

Operation Mode: LTE B13 Test Date: 01/10/2017

Fundamental Frequency: 782 MHz Temp. / Humi.: 23 deg\_C / 52 RH

Tx CH MID Operation Band: Test Engineer: Mike

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



|   | 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     |
|   |        |         |          |        |           |         |       |        |        |
|   | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



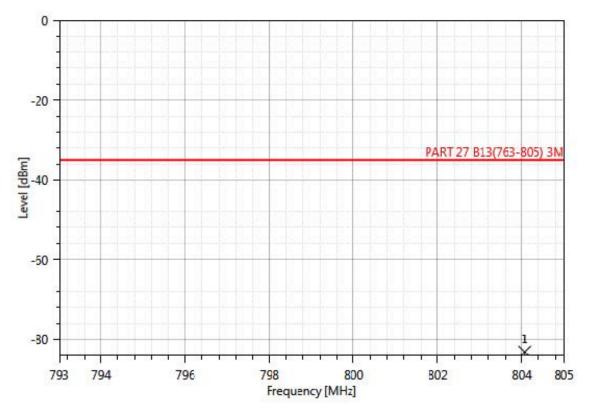
Page: 526 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| 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     |
|        |         |          |        |           |         |       |        |        |
| 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



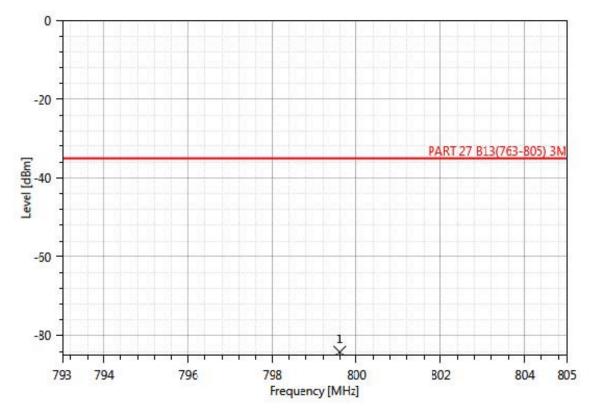
Page: 527 of 725

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 **HORIZONTAL** Measurement Antenna Pol.:



| Freq.  | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|--------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|        |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz    | F/H/E/S | 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 |



Page: 528 of 725

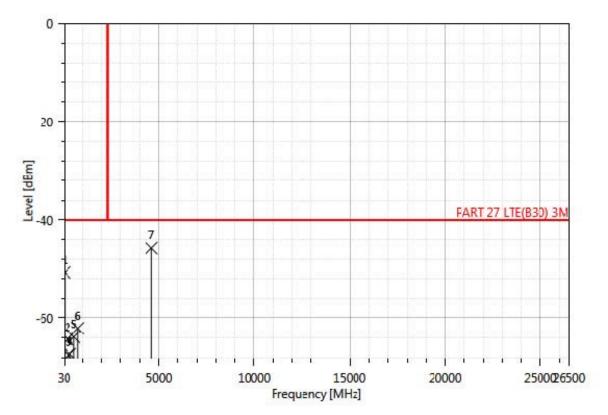
# Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 30 QPSK RB 1 0 (The Worst Case)

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: Test Engineer: Tx CH LOW Tin

EUT Pol.: E1 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -45.70 | -50.97    | 12.70   | -7.43 | -40.00 | -5.70  |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 of the fulled to the fulled the fulled to the document is unlawful and offenders may be prosecuted to the fullest extent of the law



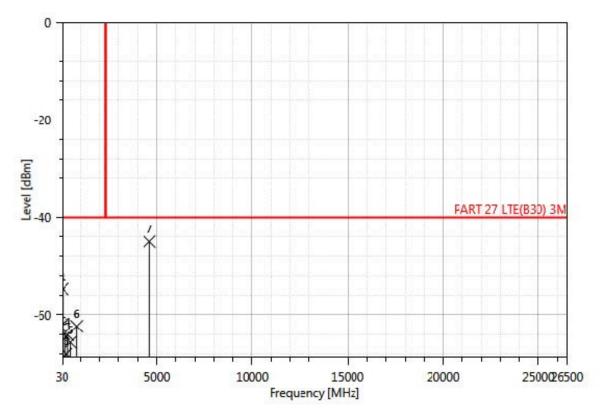
Page: 529 of 725

Operation Mode: Test Date: LTE B30 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 HORIZONTAL Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



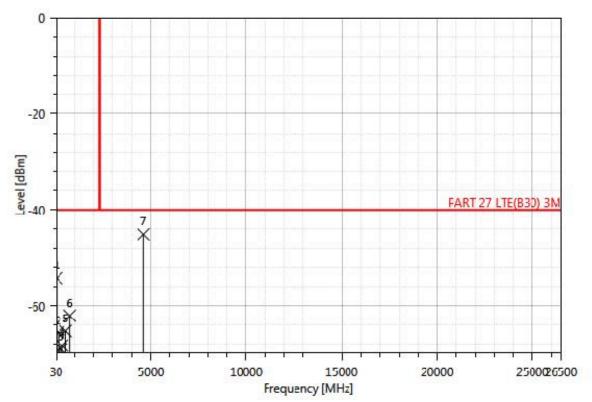
Page: 530 of 725

Operation Mode: LTE B30 Test Date: 05/13/2016 14:50:47

Fundamental Frequency: 2310 MHz Temp. / Humi.: 22 deg\_C / 61 RH

Tx CH MID Operation Band: Test Engineer: Tin

EUT Pol.: E1 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -45.07 | -50.34    | 12.70   | -7.44 | -40.00 | -5.07  |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



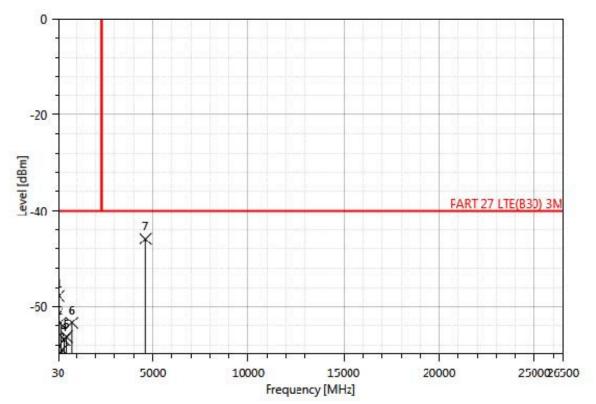
Page: 531 of 725

Operation Mode: LTE B30 Test Date: 05/13/2016 14:51:00

Fundamental Frequency: 2310 MHz Temp. / Humi.: 22 deg\_C / 61 RH

Tx CH MID Operation Band: Test Engineer: Tin

**HORIZONTAL** EUT Pol.: E1 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBd     | dB    | dBm         | dB     |
|         |         |          |        |           |         |       |             |        |
| 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 | Н       | Peak     | -45.87 | -51.13    | 12.70   | -7.44 | -40.00      | -5.87  |

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

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



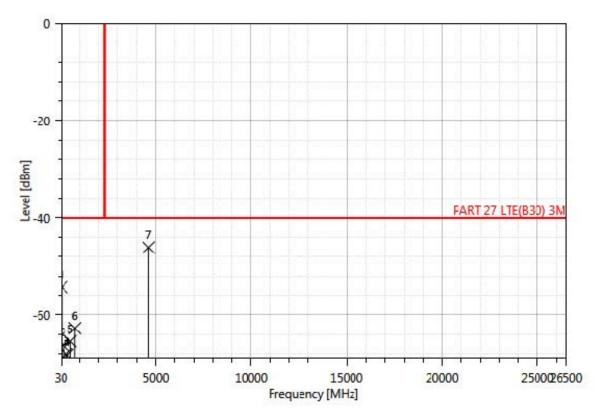
Page: 532 of 725

Operation Mode: Test Date: LTE B30 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 **VERTICAL** Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



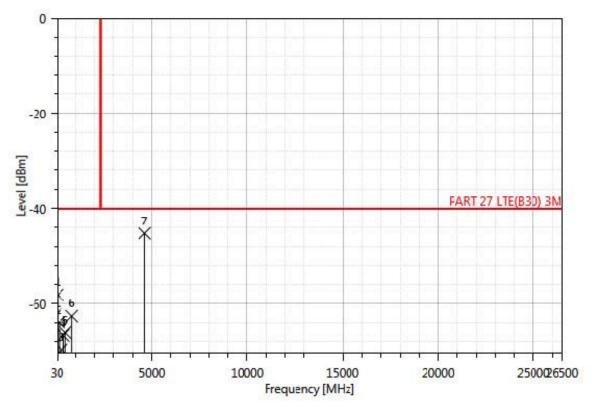
Page: 533 of 725

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 HORIZONTAL Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBd     | dB    | dBm         | 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 | Н       | Peak     | -45.14 | -50.40    | 12.70   | -7.44 | -40.00      | -5.14  |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



Page: 534 of 725

# 10.6. Measurement Result (Wireless Charging Mode):

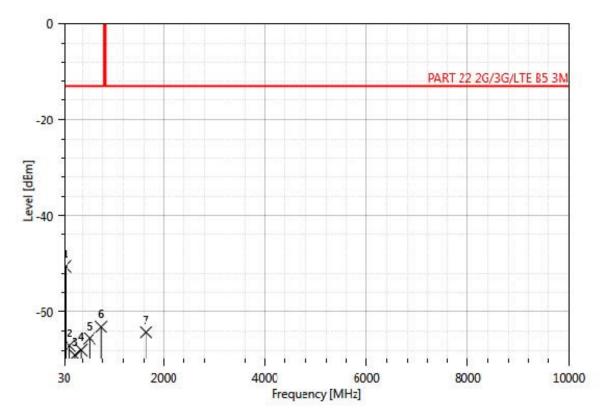
## Radiated Spurious Emission Measurement Result: GSM 850 Mode

Operation Mode: **GSM 850** Test Date: 05/04/2016 09:39:37

24 deg\_C / 61 RH Fundamental Frequency: 824.2 MHz Temp. / Humi. :

Operation Band: Tx CH LOW Test Engineer:

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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -64.29 | -67.17    | 7.11    | -4.22 | -13.00 | -51.29 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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.sqs.com

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留卯天。本報告未經本公司書面許可,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sqs.com/terms">www.sqs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sqs.com/terms">www.sqs.com/terms</a> e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction is sue sedefined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this decument is unlowful and efforted may be researched to the fullest content of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



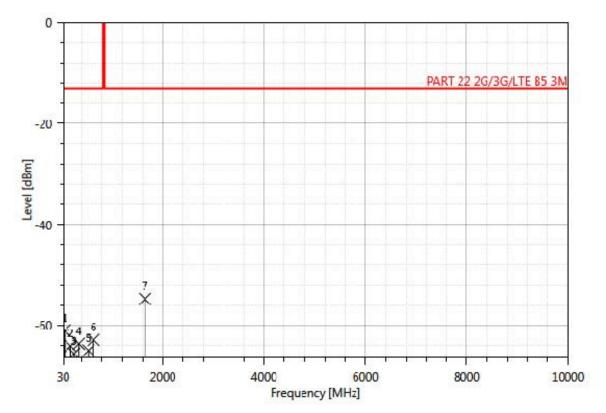
Page: 535 of 725

Operation Mode: Test Date: **GSM 850** 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

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | 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 | Н       | Peak     | -54.73 | -57.62    | 7.11    | -4.22 | -13.00      | -41.73 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



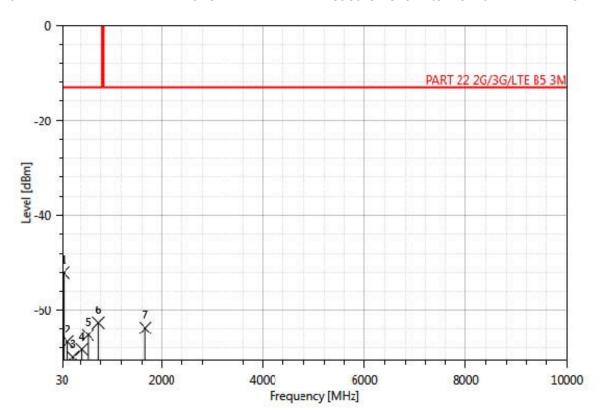
Page: 536 of 725

Operation Mode: Test Date: **GSM 850** 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 **VERTICAL** Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



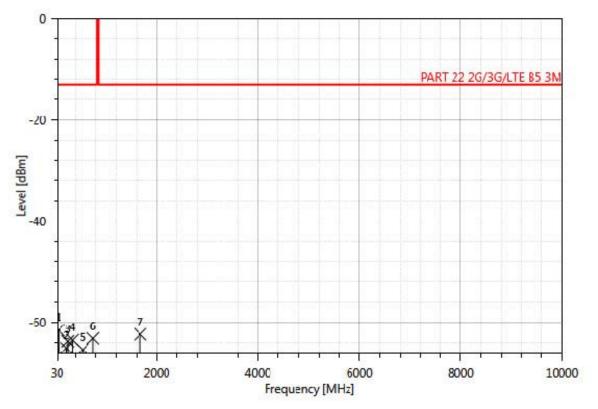
Page: 537 of 725

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

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | 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 | Н       | Peak     | -62.35 | -65.26    | 7.20    | -4.29 | -13.00      | -49.35 |

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



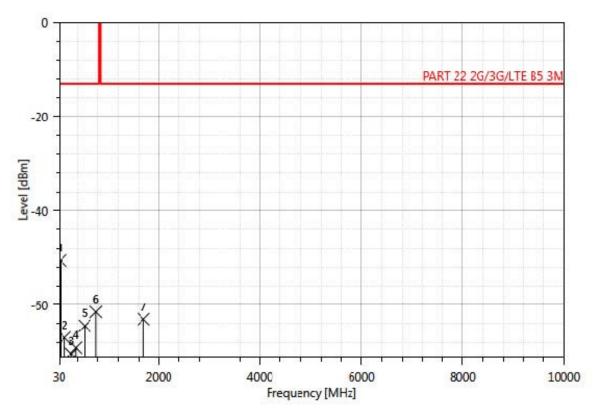
Page: 538 of 725

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

E2 Plane EUT Pol.: **VERTICAL** Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -63.02 | -65.99    | 7.28    | -4.31 | -13.00 | -50.02 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



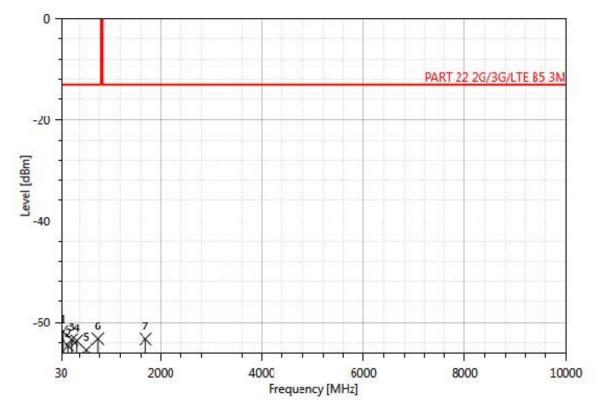
Page: 539 of 725

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

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

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



Page: 540 of 725

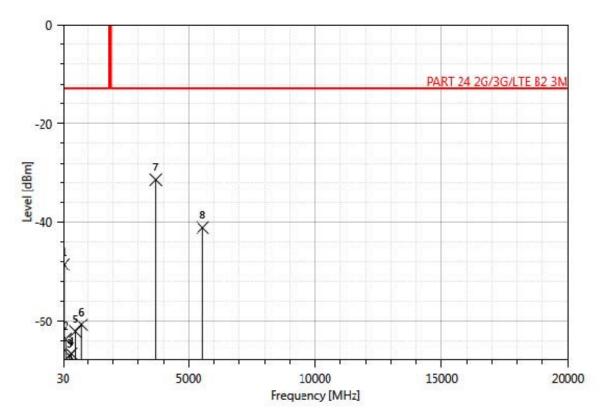
### Radiated Spurious Emission Measurement Result: GPRS 1900 Mode

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.: **VERTICAL** E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | 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 | Н       | Peak     | -31.41 | -37.27    | 12.44   | -6.58 | -13.00 | -18.41 |
| 5550.60 | Н       | 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,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction is sued sefined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content of the fulled content of the fu 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

t (886-2) 2299-3279



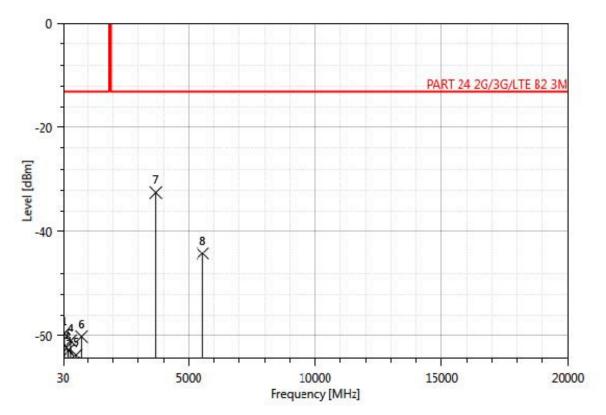
Page: 541 of 725

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

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | 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 | Н       | Peak     | -32.44 | -38.30    | 12.44   | -6.58 | -13.00      | -19.44 |
| 5550.60 | Н       | Peak     | -44.15 | -48.81    | 12.90   | -8.24 | -13.00      | -31.15 |

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

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



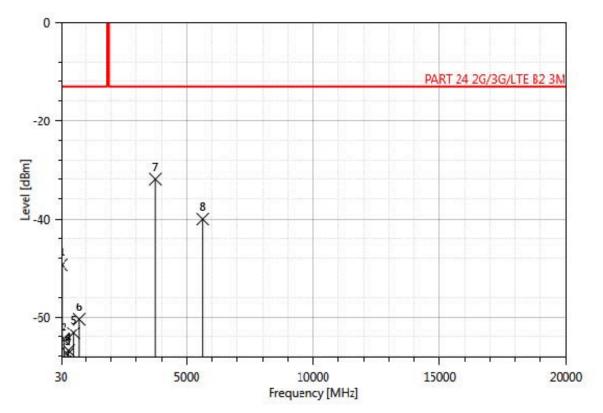
Page: 542 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | 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 | Н       | Peak     | -31.96 | -37.82    | 12.45   | -6.60 | -13.00 | -18.96 |
| 5640.00 | Н       | Peak     | -40.02 | -44.55    | 12.90   | -8.36 | -13.00 | -27.02 |

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

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



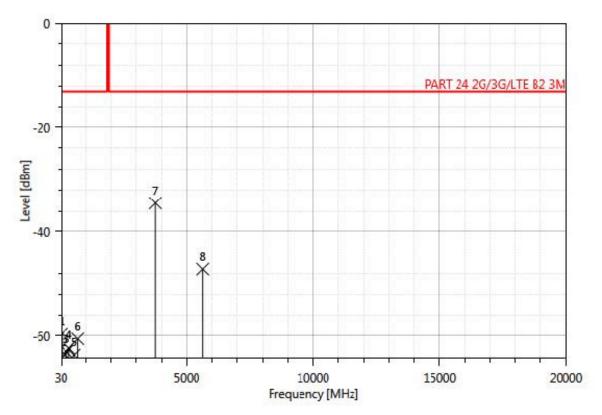
Page: 543 of 725

Operation Mode: **GPRS 1900** Test Date: 05/04/2016 09:51:15

Fundamental Frequency: 1880 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Tx CH MID Operation Band: Test Engineer: Tin

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | dB     |
|         |         |          |        |           |         |       |             |        |
| 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 | Н       | Peak     | -34.50 | -40.35    | 12.45   | -6.60 | -13.00      | -21.50 |
| 5640.00 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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.sqs.com



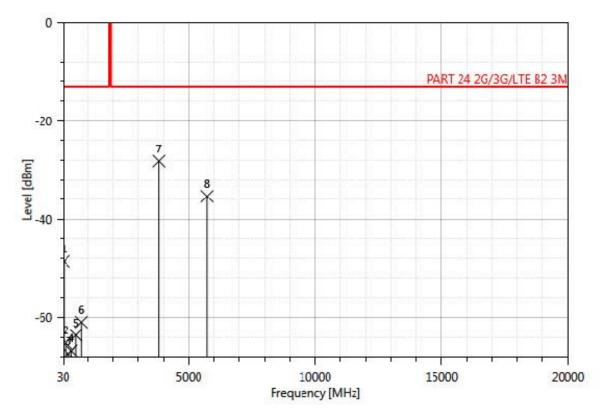
Page: 544 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -28.18 | -34.00    | 12.47   | -6.65 | -13.00 | -15.18 |
| 5729.40 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. 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

t (886-2) 2299-3279



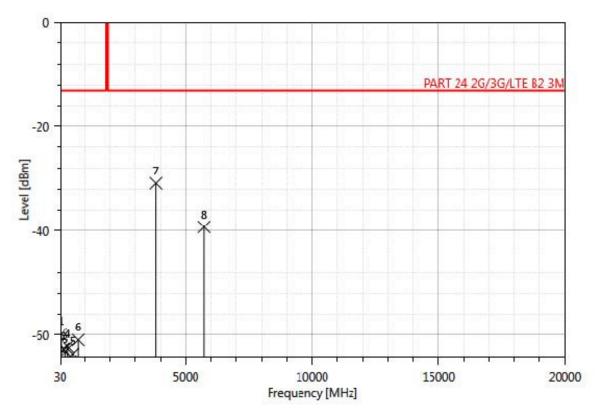
Page: 545 of 725

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 HORIZONTAL Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -30.86 | -36.68    | 12.47   | -6.65 | -13.00 | -17.86 |
| 5729.40 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

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



Page: 546 of 725

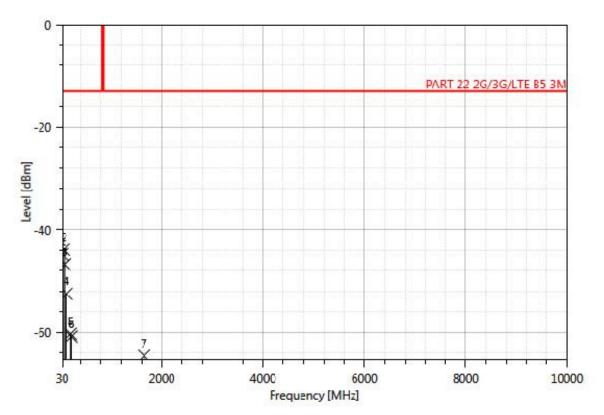
### Radiated Spurious Emission Measurement Result: CDMA BC0 Mode

Operation Mode: **CDMA 850** 01/11/2017 Test Date:

Fundamental Frequency: 21 deg C / 62 RH 824.7 MHz Temp. / Humi. :

Operation Band: Tx CH LOW Test Engineer: Mike

EUT Pol.: Measurement Antenna Pol.: VERTICAL E1 Plane



| Freq.   | Note    | Decetor  | EIRP   | 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -64.61 | -67.50    | 7.11    | -4.23 | -13.00 | -51.61 |

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction is sued sefined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content of the fulled content of the fu 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



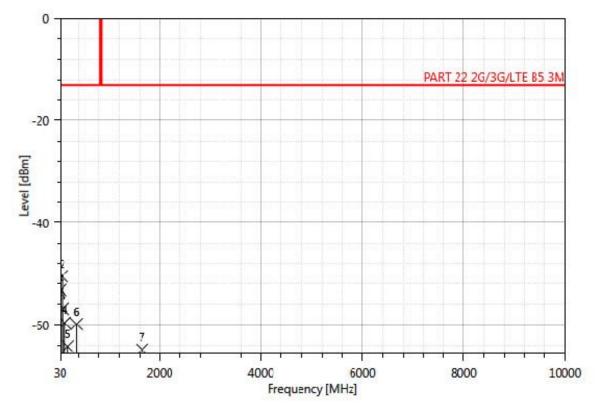
Page: 547 of 725

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 HORIZONTAL Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBd     | dB    | dBm         | 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



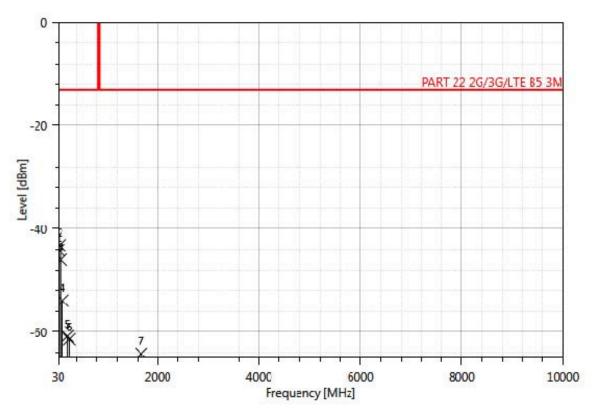
Page: 548 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



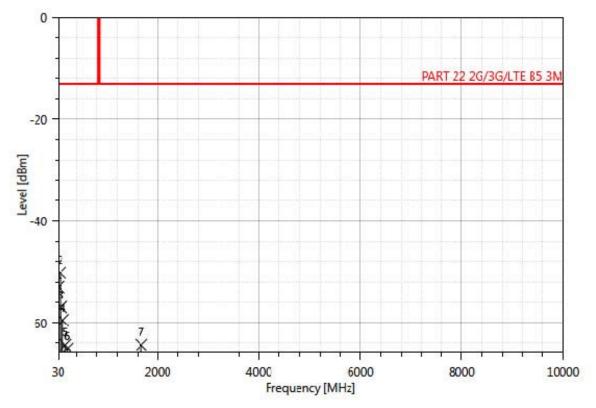
Page: 549 of 725

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 HORIZONTAL Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



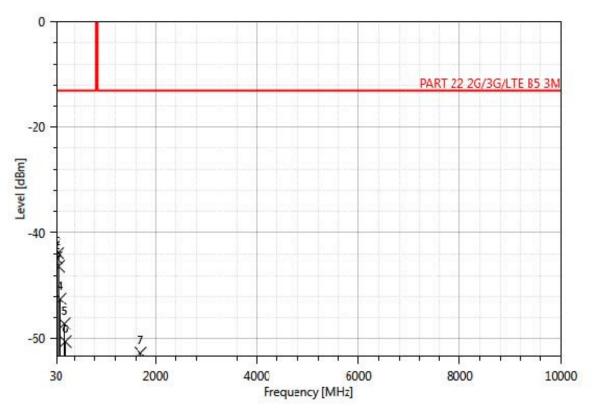
Page: 550 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -62.71 | -65.68    | 7.28    | -4.31 | -13.00 | -49.71 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

台灣檢驗科技股份有限公司

f (886-2) 2298-0488

www.tw.sqs.com

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



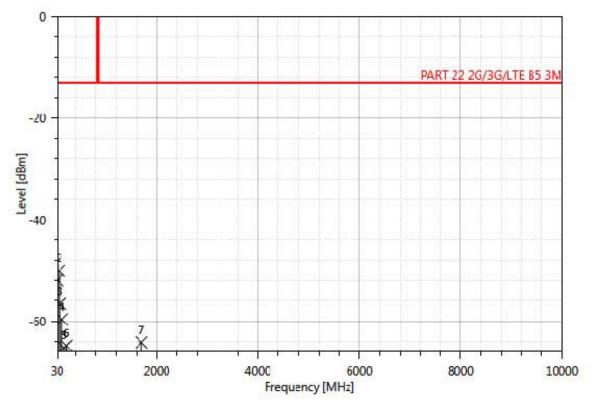
Page: 551 of 725

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 **HORIZONTAL** Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



Page: 552 of 725

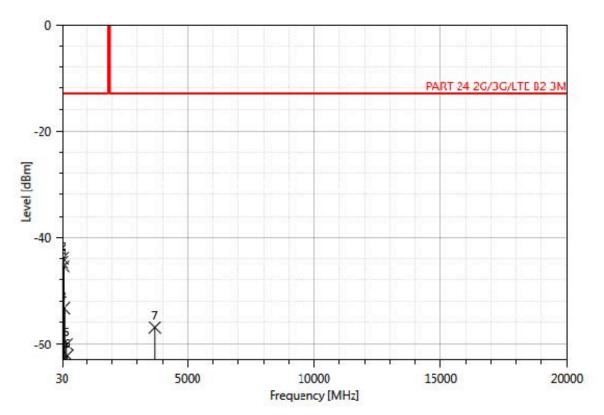
### Radiated Spurious Emission Measurement Result: CDMA BC1 Mode

Operation Mode: **CDMA 1900** 01/11/2017 Test Date:

21 deg\_C / 62 RH Fundamental Frequency: 1851.25 MHz Temp. / Humi. :

Operation Band: Tx CH LOW Test Engineer: Mike

EUT Pol.: **VERTICAL** E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | 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,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction is sued sefined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content of the fulled content of the fu 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

t (886-2) 2299-3279



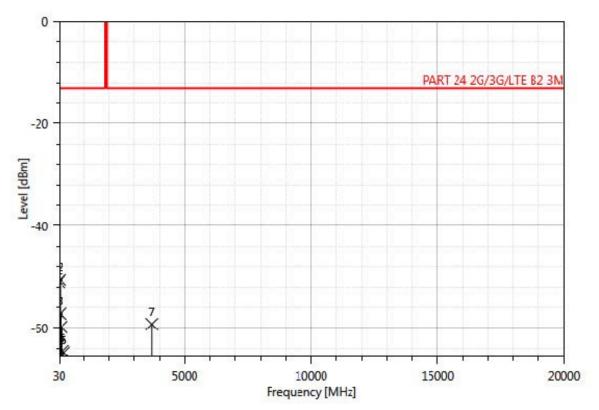
Page: 553 of 725

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 HORIZONTAL Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



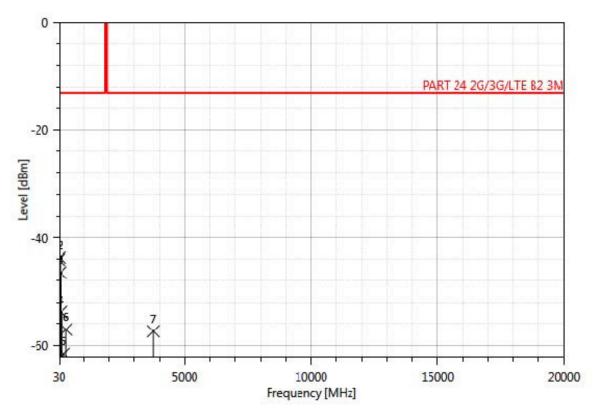
Page: 554 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -57.36 | -63.22    | 12.45   | -6.60 | -13.00 | -44.36 |

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



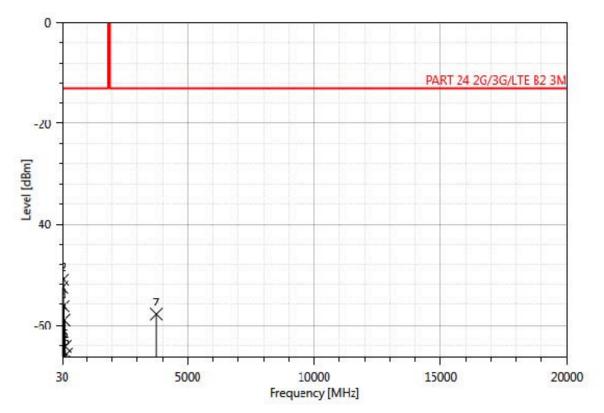
Page: 555 of 725

Operation Mode: **CDMA 1900** Test Date: 01/11/2017

Fundamental Frequency: 1880 MHz Temp. / Humi.: 21 deg\_C / 62 RH

Tx CH MID Operation Band: Test Engineer: Mike

EUT Pol.: E2 Plane HORIZONTAL Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | dB     |
|         |         |          |        |           |         |       |             |        |
| 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



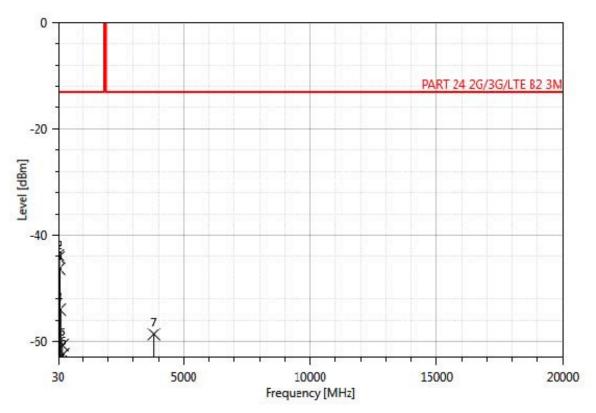
Page: 556 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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

t (886-2) 2299-3279



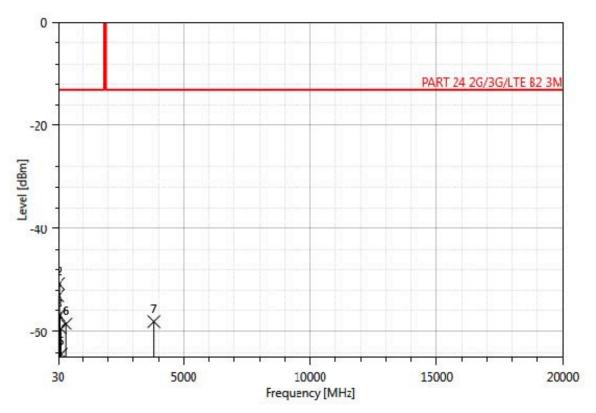
Page: 557 of 725

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 **HORIZONTAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -58.03 | -63.85    | 12.47   | -6.64 | -13.00 | -45.03 |

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



Page: 558 of 725

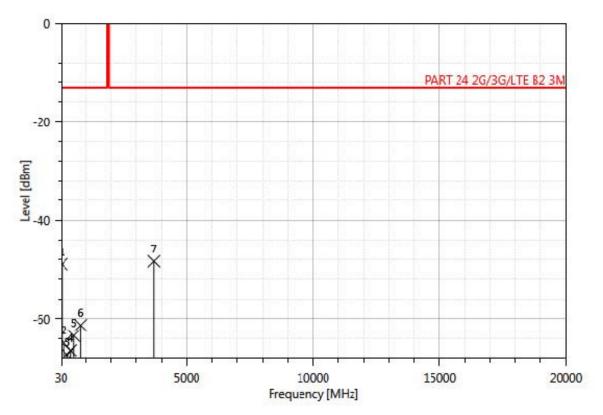
### Radiated Spurious Emission Measurement Result: HDSPA II Mode

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 **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | 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 | Н       | 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,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction is sued sefined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content of the fulled content of the fu 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



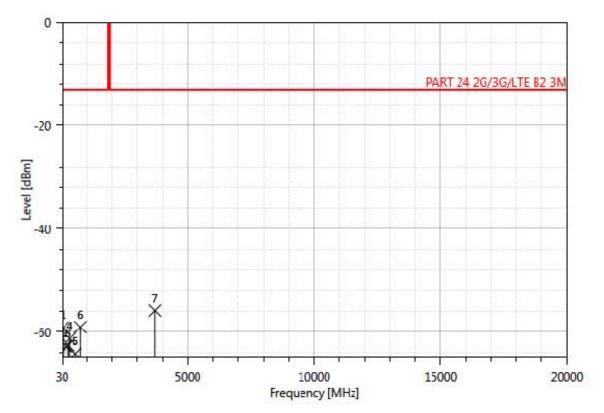
Page: 559 of 725

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

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | dB     |
|         |         |          |        |           |         |       |             |        |
| 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



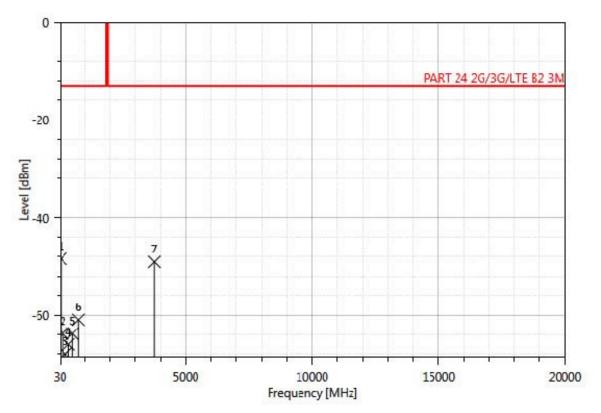
Page: 560 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



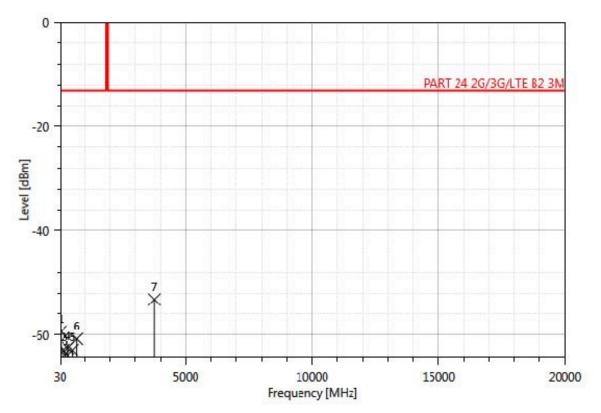
Page: 561 of 725

Operation Mode: HSDPA B2 Test Date: 05/04/2016 09:52:37

Fundamental Frequency: 1880 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Tx CH MID Operation Band: Test Engineer: Tin

EUT Pol.: E2 Plane HORIZONTAL Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | dB     |
|         |         |          |        |           |         |       |             |        |
| 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 | Н       | Peak     | -53.22 | -59.07    | 12.45   | -6.60 | -13.00      | -40.22 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



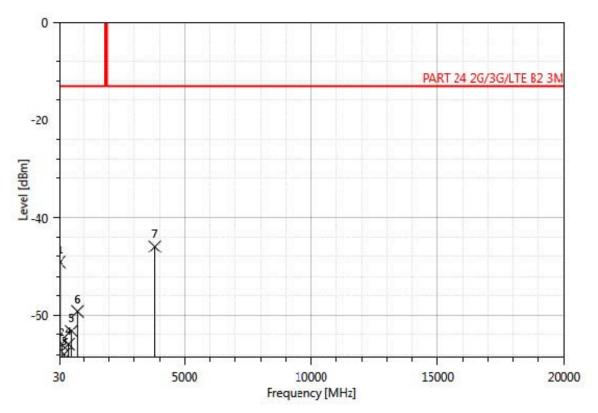
Page: 562 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | 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 | Н       | Peak     | -45.93 | -51.76    | 12.46   | -6.63 | -13.00 | -32.93 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



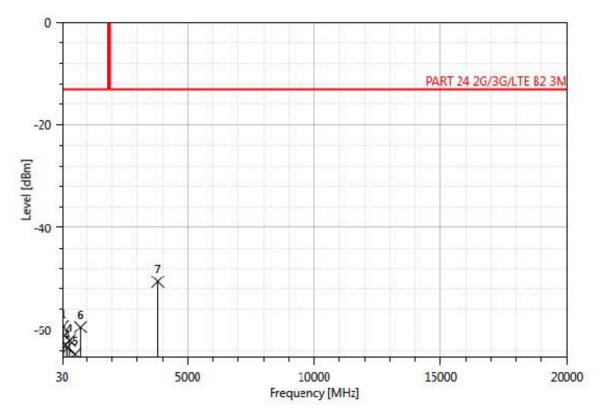
Page: 563 of 725

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

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | 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 | Н       | Peak     | -50.60 | -56.43    | 12.46   | -6.63 | -13.00      | -37.60 |

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



Page: 564 of 725

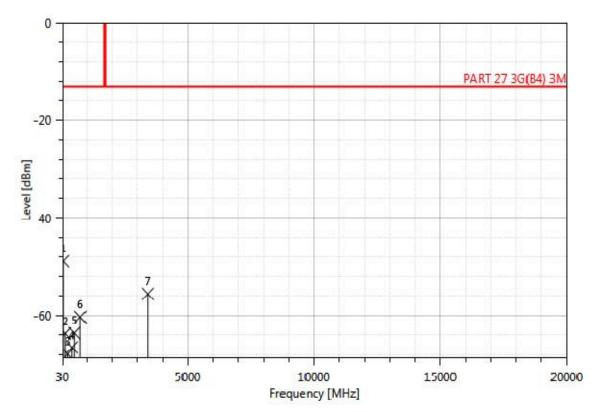
### Radiated Spurious Emission Measurement Result: HSUPA IV Mode

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 |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -55.51 | -61.55    | 12.27   | -6.23 | -13.00 | -42.51 |

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction is sued sefined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content of the fulled content of the fu 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



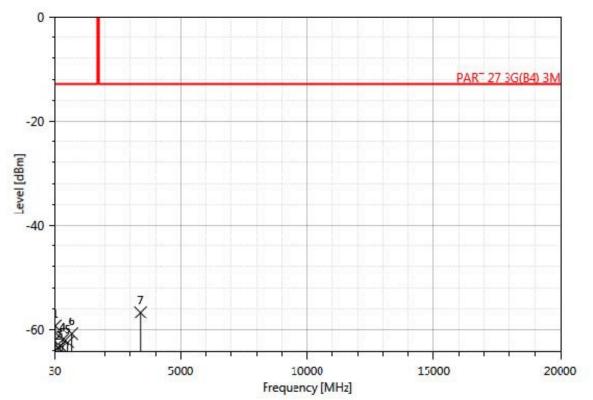
Page: 565 of 725

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

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

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



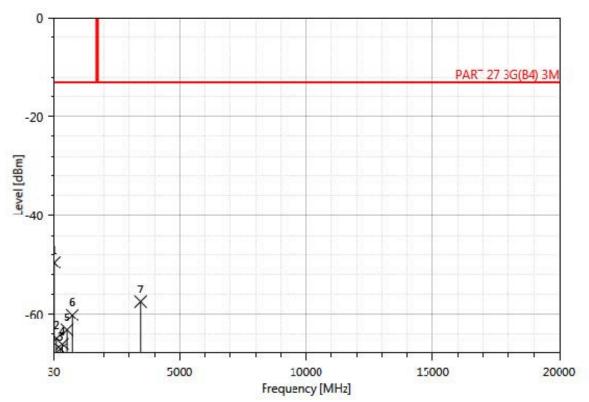
Page: 566 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | 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 | Н       | Peak     | -57.48 | -63.58    | 12.34   | -6.25 | -13.00 | -44.48 |

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



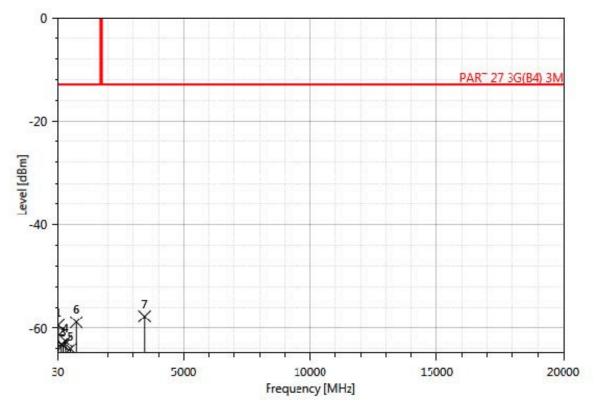
Page: 567 of 725

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

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -57.75 | -63.84    | 12.34   | -6.25 | -13.00 | -44.75 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



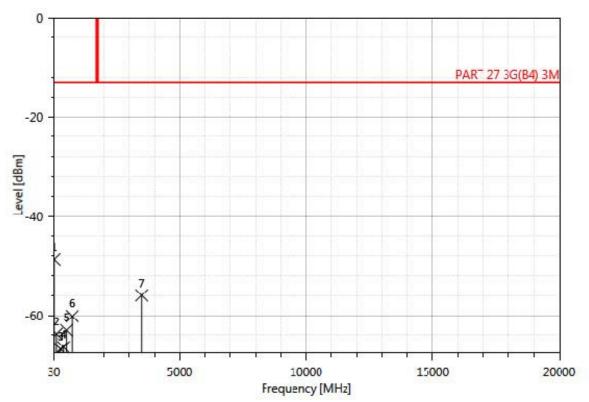
Page: 568 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | 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 | Н       | Peak     | -55.95 | -61.89    | 12.40   | -6.47 | -13.00 | -42.95 |

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

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



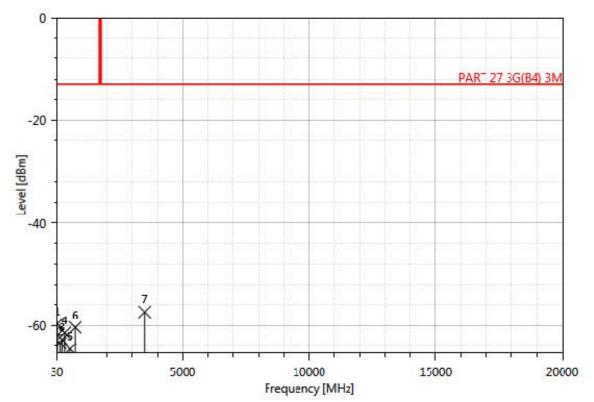
Page: 569 of 725

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

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



Page: 570 of 725

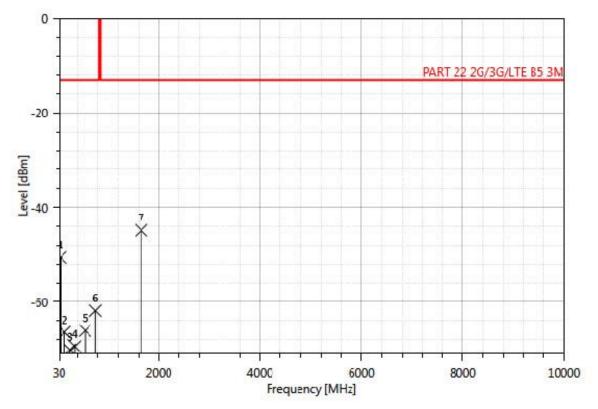
#### Radiated Spurious Emission Measurement Result: WCDMA V Mode

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 **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBd     | dB    | dBm         | 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 | Н       | 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,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction is sued sefined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content of the fulled content of the fu 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



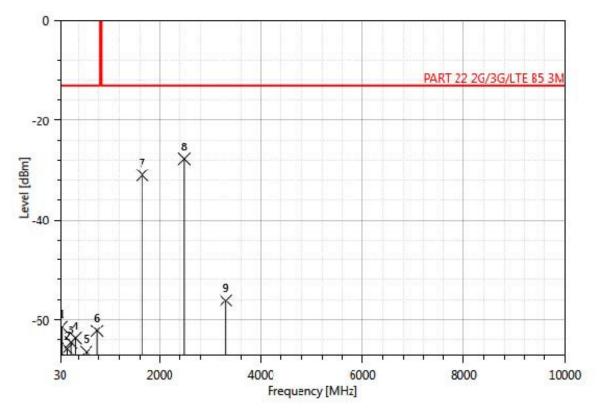
Page: 571 of 725

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 HORIZONTAL Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -31.01 | -33.90    | 7.12    | -4.24 | -13.00 | -18.01 |
| 2479.20 | Н       | Peak     | -27.75 | -31.25    | 8.73    | -5.23 | -13.00 | -14.75 |
| 3305.60 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



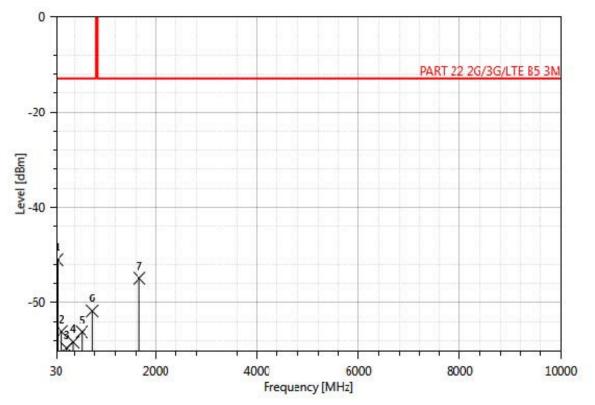
Page: 572 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBd     | dB    | dBm         | 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 | Н       | Peak     | -55.04 | -57.95    | 7.20    | -4.29 | -13.00      | -42.04 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



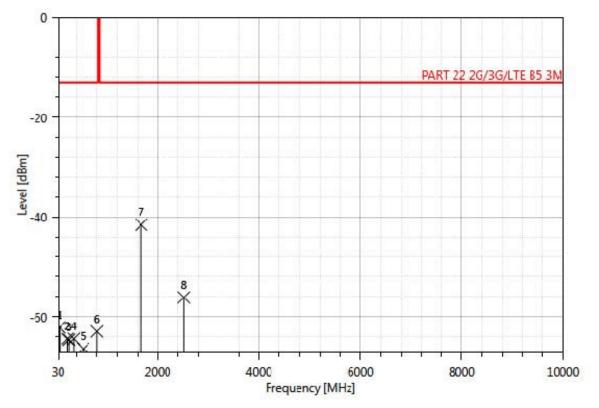
Page: 573 of 725

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 HORIZONTAL Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -41.56 | -44.47    | 7.20    | -4.29 | -13.00 | -28.56 |
| 2509.80 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



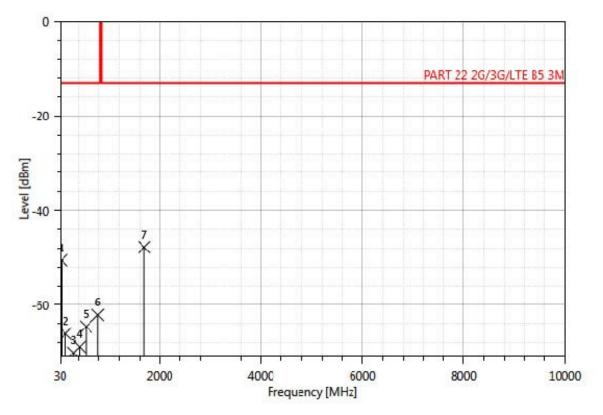
Page: 574 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



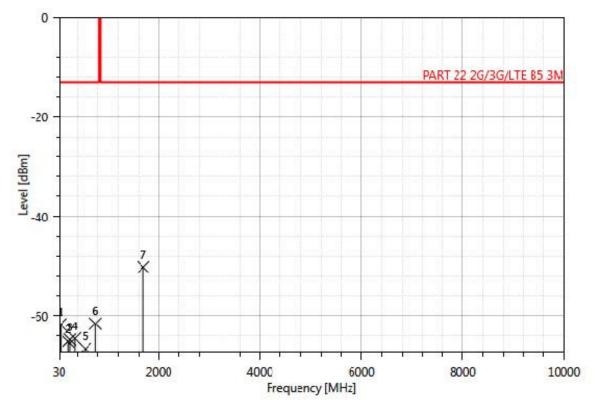
Page: 575 of 725

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 HORIZONTAL Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -50.19 | -53.15    | 7.27    | -4.30 | -13.00 | -37.19 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



Page: 576 of 725

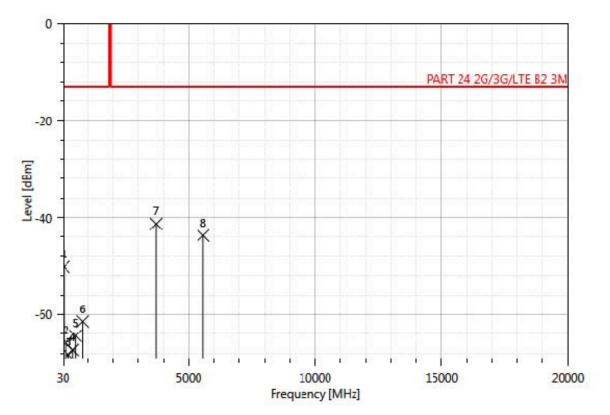
#### Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 2 QPSK RB 1 0 (The Worst Case)

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 |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -41.32 | -47.18    | 12.44   | -6.58 | -13.00 | -28.32 |
| 5572.50 | Н       | Peak     | -43.71 | -48.31    | 12.90   | -8.30 | -13.00 | -30.71 |

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction is sued sefined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content of the fulled content of the fu document is unlawful and offenders may be prosecuted to the fullest extent of the law

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



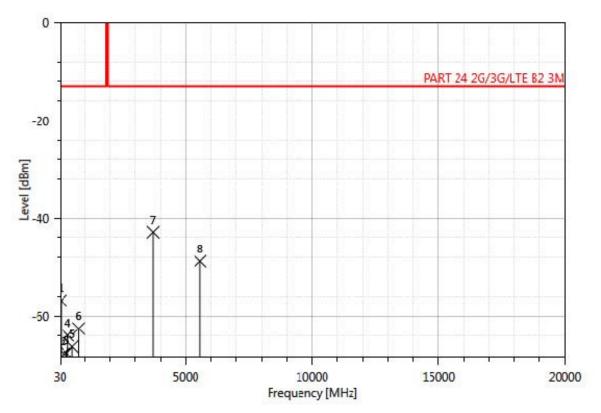
Page: 577 of 725

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.: HORIZONTAL E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | dB     |
|         |         |          |        |           |         |       |             |        |
| 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 | Н       | Peak     | -42.91 | -48.77    | 12.44   | -6.58 | -13.00      | -29.91 |
| 5572.50 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



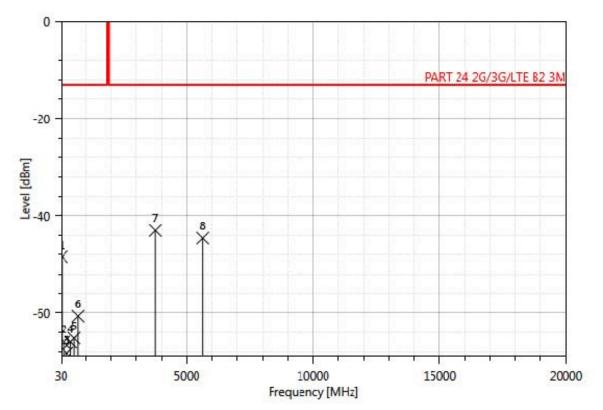
Page: 578 of 725

Operation Mode: LTE B2 Test Date: 05/04/2016 10:09:10

Fundamental Frequency: 1880.0 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Tx CH MID Operation Band: Test Engineer: Tin

EUT Pol.: E2 Plane **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -43.04 | -48.90    | 12.45   | -6.60 | -13.00 | -30.04 |
| 5640.00 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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

t (886-2) 2299-3279



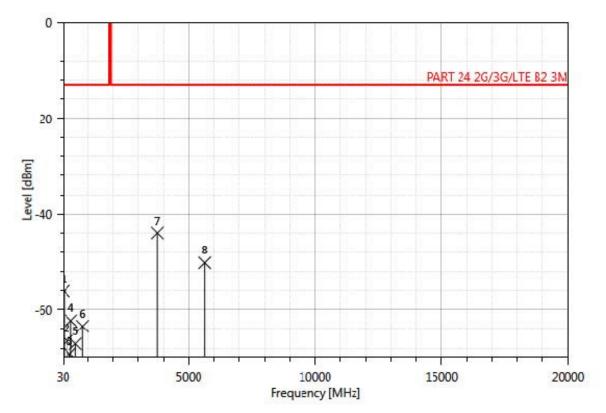
Page: 579 of 725

Operation Mode: LTE B2 Test Date: 05/04/2016 10:09:23

Fundamental Frequency: 1880.0 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Tx CH MID Operation Band: Test Engineer: Tin

EUT Pol.: E2 Plane HORIZONTAL Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | dB     |
|         |         |          |        |           |         |       |             |        |
| 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 | Н       | Peak     | -44.00 | -49.86    | 12.45   | -6.60 | -13.00      | -31.00 |
| 5640.00 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. 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

t (886-2) 2299-3279



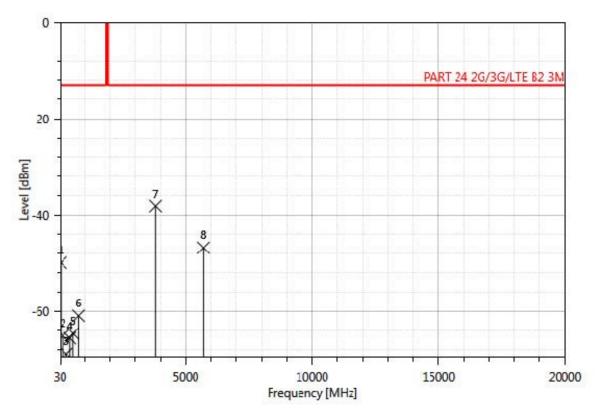
Page: 580 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | dB     |
|         |         |          |        |           |         |       |             |        |
| 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 | Н       | Peak     | -38.21 | -44.05    | 12.46   | -6.62 | -13.00      | -25.21 |
| 5707.50 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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

t (886-2) 2299-3279



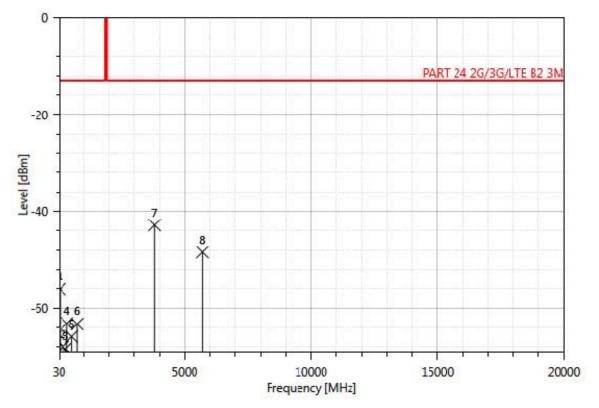
Page: 581 of 725

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 HORIZONTAL Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | 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 | Н       | Peak     | -42.86 | -48.70    | 12.46   | -6.62 | -13.00      | -29.86 |
| 5707.50 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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

t (886-2) 2299-3279



Page: 582 of 725

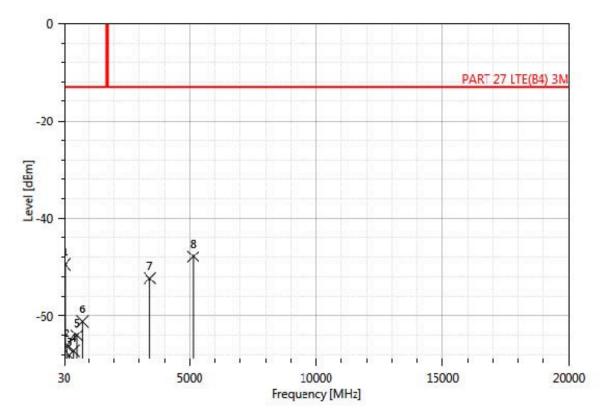
# Radiated Spurious Emission Measurement Result: 3MHz BW LTE-Band 4 16QAM RB 1 0 (The Worst Case)

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 |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -52.31 | -58.35    | 12.27   | -6.23 | -13.00 | -39.31 |
| 5134.50 | Н       | 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,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction is sued sefined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content of the fulled content of the fu document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



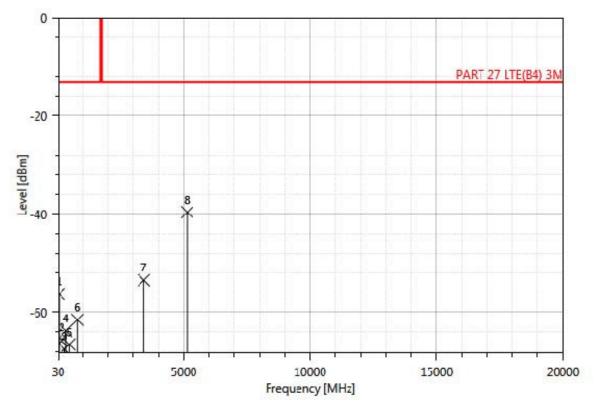
Page: 583 of 725

Operation Mode: 05/04/2016 10:12:26 LTE B4 Test Date:

Fundamental Frequency: 1711.5 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH LOW Test Engineer: Tin

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | 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 | Н       | Peak     | -53.47 | -59.51    | 12.27   | -6.23 | -13.00      | -40.47 |
| 5134.50 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



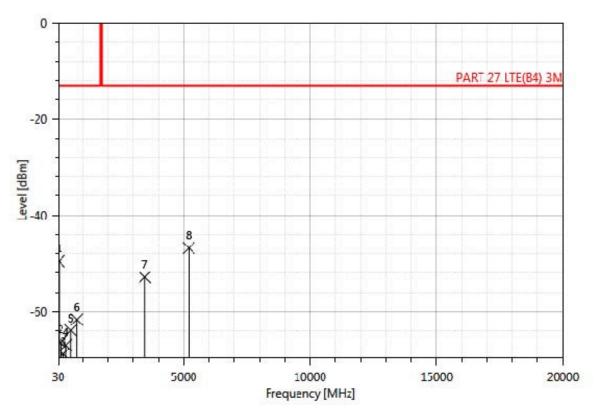
Page: 584 of 725

Operation Mode: 05/04/2016 10:12:40 LTE B4 Test Date:

Fundamental Frequency: 1732.5 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH MID Test Engineer: Tin

EUT Pol.: E2 Plane **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -52.87 | -58.96    | 12.34   | -6.25 | -13.00 | -39.87 |
| 5197.50 | Н       | Peak     | -46.80 | -51.63    | 12.78   | -7.96 | -13.00 | -33.80 |

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

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



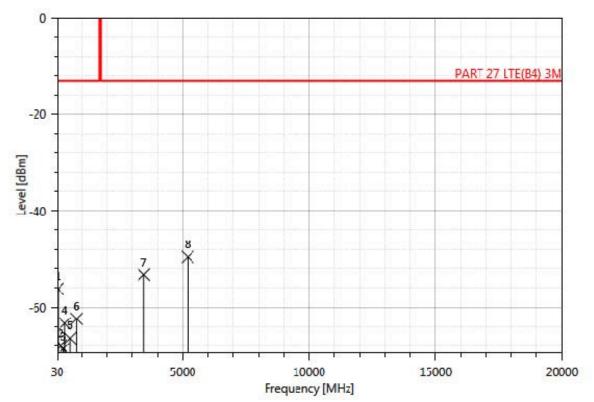
Page: 585 of 725

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

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -53.28 | -59.37    | 12.34   | -6.25 | -13.00 | -40.28 |
| 5197.50 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



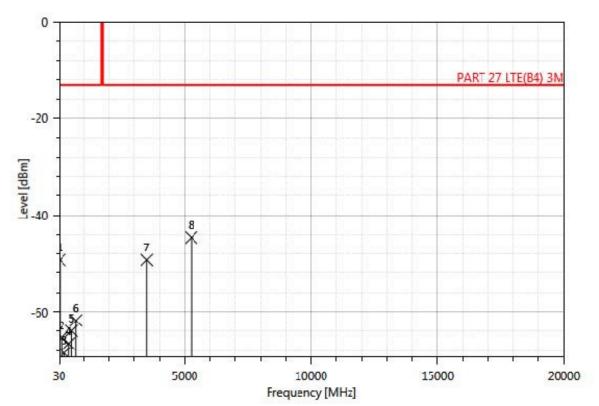
Page: 586 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | 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 | Н       | Peak     | -49.25 | -55.17    | 12.40   | -6.48 | -13.00 | -36.25 |
| 5260.50 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



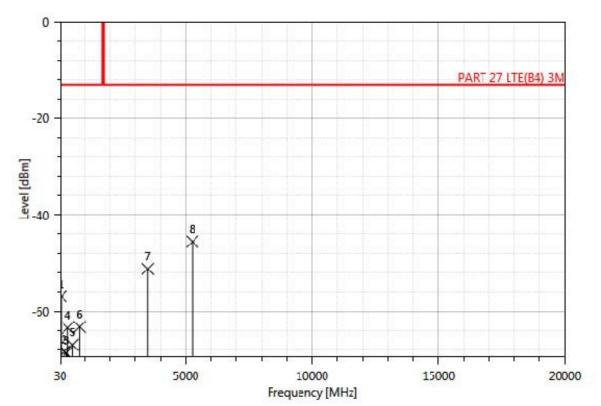
Page: 587 of 725

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

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | dB     |
|         |         |          |        |           |         |       |             |        |
| 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 | Н       | Peak     | -51.20 | -57.12    | 12.40   | -6.48 | -13.00      | -38.20 |
| 5260.50 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



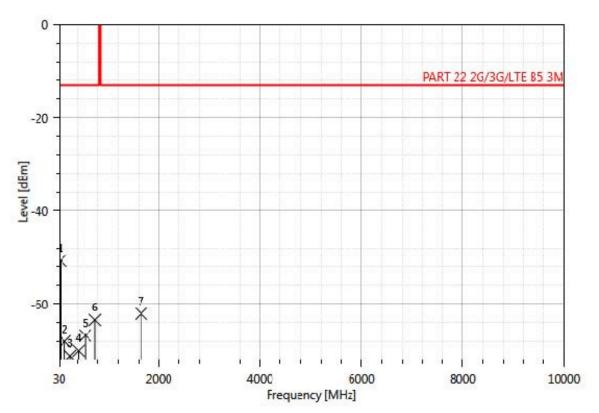
Page: 588 of 725

# 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: Test Engineer: Tx CH LOW EUT Pol.: H Plane Measurement Antenna Pol.: VERTICAL



| Freq.   | Note    | Decetor<br>Mode | ERP<br>Level | SG Output<br>Level | Antenna<br>Gain | Cable<br>Loss | Limit<br>@3m | Margin |
|---------|---------|-----------------|--------------|--------------------|-----------------|---------------|--------------|--------|
| MHz     | F/H/E/S | QP/AV/PK        | dBm          | dBm                | dBd             | dB            | dBm          | dB     |
|         |         |                 |              |                    |                 |               |              |        |
| 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 | Н       | 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,同時此樣品僅保留到天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlockful to and efforted are to the fullest content of the full content o document is unlawful and offenders may be prosecuted to the fullest extent of the law



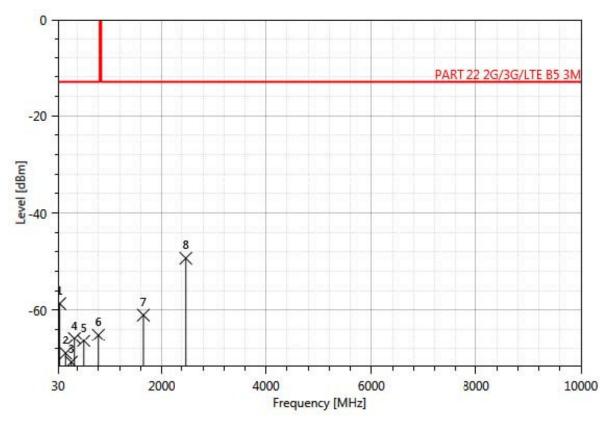
Page: 589 of 725

Operation Mode: 05/04/2016 10:01:46 LTE B5 Test Date:

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 |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBd     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -61.02 | -66.05    | 9.27    | -4.23 | -13.00 | -48.02 |
| 2476.50 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



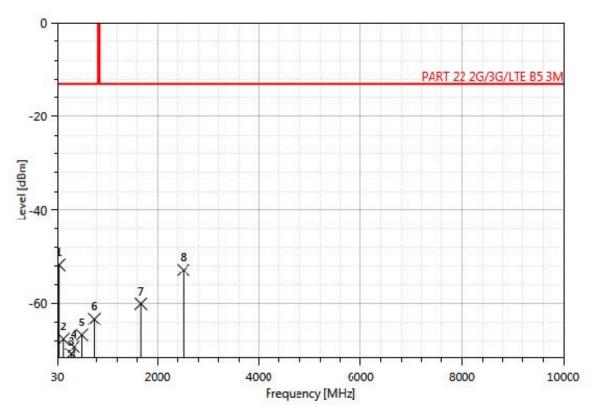
Page: 590 of 725

Operation Mode: LTE B5 Test Date: 05/04/2016 10:01:54

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.: VERTICAL



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | 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 | Н       | Peak     | -60.15 | -65.21    | 9.35    | -4.29 | -13.00      | -47.15 |
| 2509.50 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



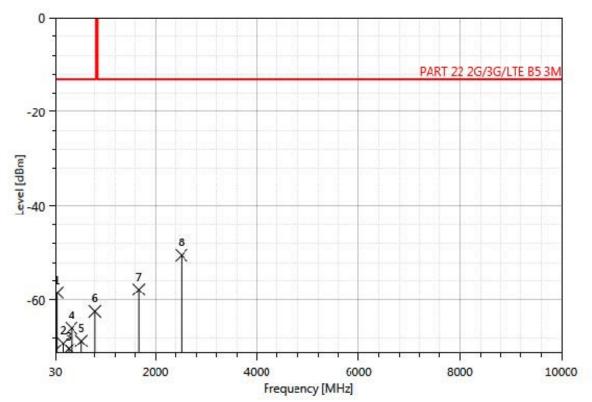
Page: 591 of 725

Operation Mode: 05/04/2016 10:02:01 LTE B5 Test Date:

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 |
|---|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|   |         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| _ | MHz     | F/H/E/S | 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 | Н       | Peak     | -57.76 | -62.82    | 9.35    | -4.29 | -13.00 | -44.76 |
|   | 2509.50 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



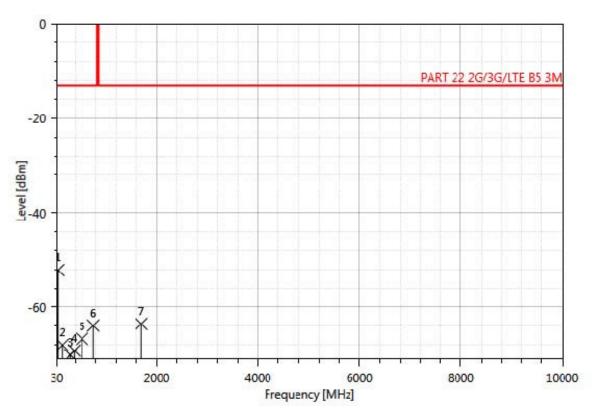
Page: 592 of 725

Operation Mode: 05/04/2016 10:02:09 LTE B5 Test Date:

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 |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | 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 | Н       | Peak     | -63.54 | -66.51    | 7.28    | -4.31 | -13.00      | -50.54 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



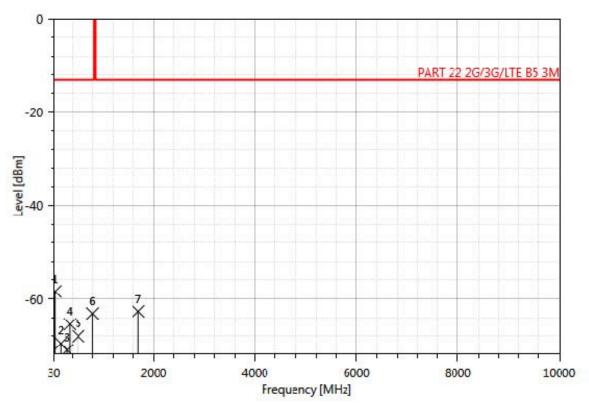
Page: 593 of 725

Operation Mode: 05/04/2016 10:02:16 LTE B5 Test Date:

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 |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



Page: 594 of 725

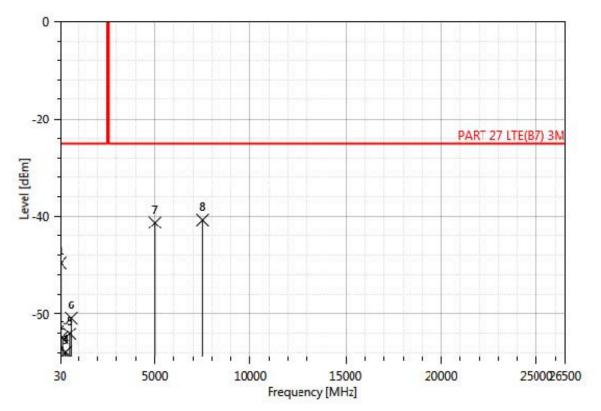
# Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 7 QPSK RB 1 0 (The Worst Case)

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 |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -41.29 | -46.18    | 12.70   | -7.81 | -25.00 | -16.29 |
| 7507.50 | Н       | 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,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction is sued sefined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content of the fulled content of the fu document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



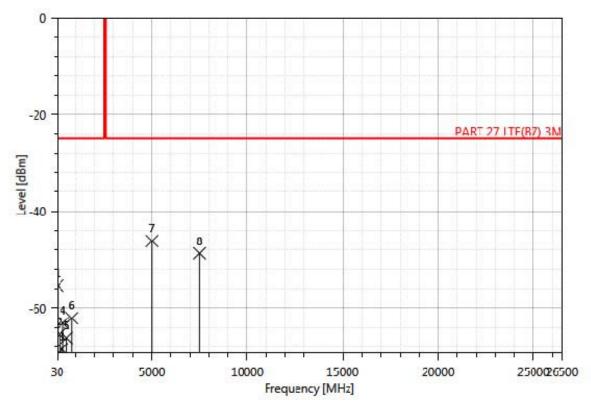
Page: 595 of 725

Operation Mode: LTE B7 05/04/2016 10:15:00 Test Date:

Fundamental Frequency: 2502.5 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH LOW Test Engineer: Tin

**HORIZONTAL** EUT Pol.: E1 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm         | dB     |
|         |         |          |        |           |         |       |             |        |
| 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 | Н       | Peak     | -46.13 | -51.02    | 12.70   | -7.81 | -25.00      | -21.13 |
| 7507.50 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



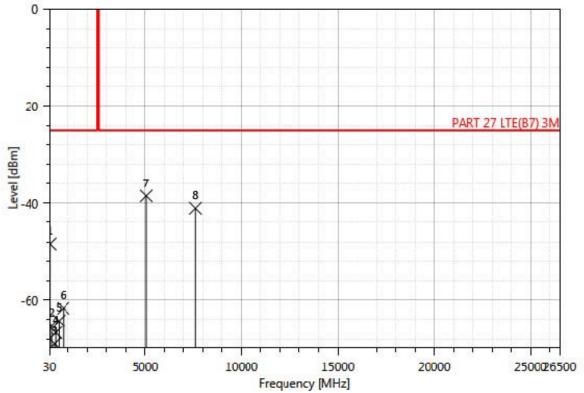
Page: 596 of 725

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 |  |
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |  |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |  |
|         |         |          |        |           |         |       |        |        |  |
| 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 | Н       | Peak     | -38.51 | -43.38    | 12.73   | -7.86 | -25.00 | -13.51 |  |
| 7605.00 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



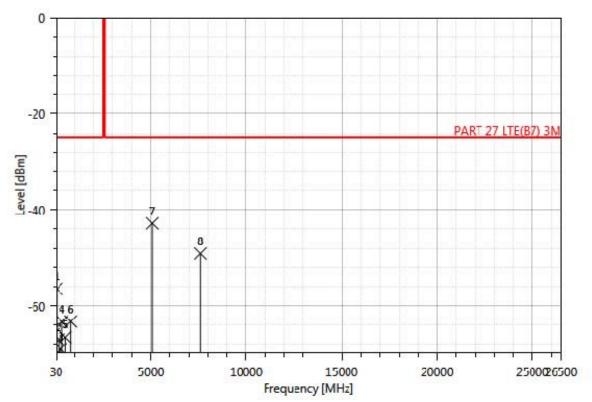
Page: 597 of 725

Operation Mode: LTE B7 05/04/2016 10:15:27 Test Date:

Fundamental Frequency: 2535.0 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Operation Band: Tx CH MID Test Engineer: Tin

**HORIZONTAL** EUT Pol.: E1 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable | Limit  | Margin |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -42.82 | -47.68    | 12.73   | -7.86 | -25.00 | -17.82 |
| 7605.00 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



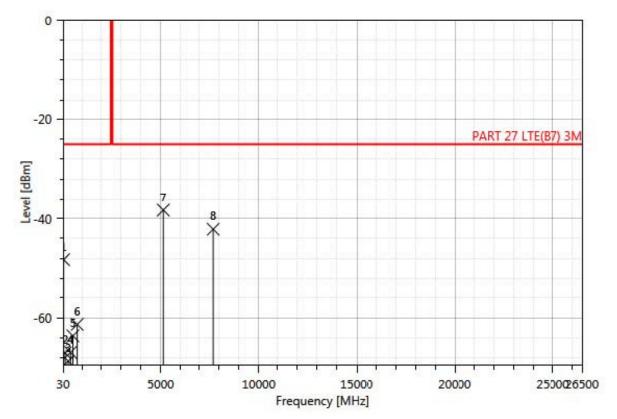
Page: 598 of 725

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 |
|---------|---------|----------|--------|-----------|---------|--------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss   | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBi     | dB     | dBm    | dB     |
|         |         |          |        |           |         |        |        |        |
| 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 | Н       | Peak     | -38.32 | -43.15    | 12.76   | -7.92  | -25.00 | -13.32 |
| 7702.50 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law



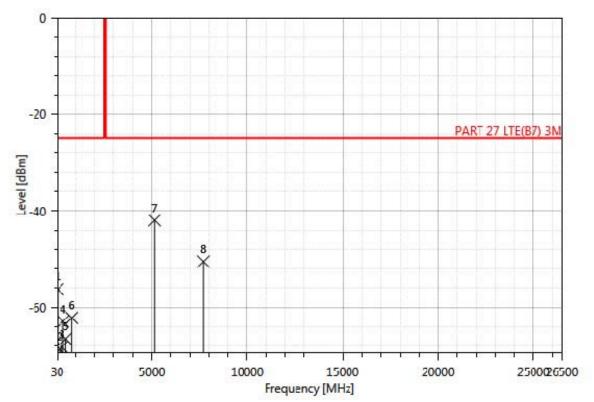
Page: 599 of 725

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

**HORIZONTAL** EUT Pol.: E1 Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | EIRP   | SG Output | Antenna | Cable  | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|--------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss   | <b>@</b> 3m |        |
| MHz     | F/H/E/S | 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 | Н       | Peak     | -41.96 | -46.79    | 12.76   | -7.92  | -25.00      | -16.96 |
| 7702.50 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest event of the law. document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



Page: 600 of 725

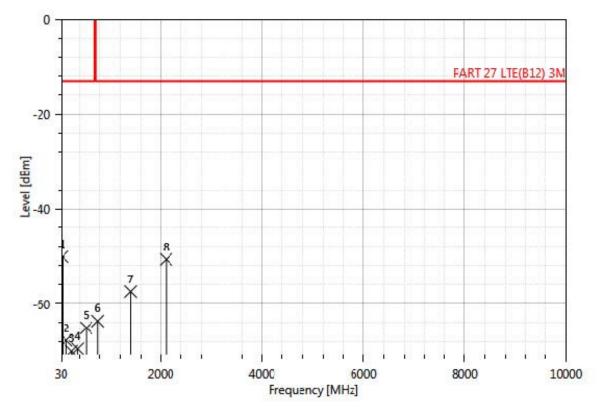
## Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 12 16QAM RB 1 24 (The Worst Case)

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 |
|---------|---------|----------|--------|-----------|---------|-------|--------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBd     | dB    | dBm    | dB     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -57.44 | -61.83    | 8.29    | -3.90 | -13.00 | -44.44 |
| 2104.50 | Н       | 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,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction is sued sefined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content of the fulled content of the fu document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,WuKungRoad,NewTaipeilndustrialPark,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



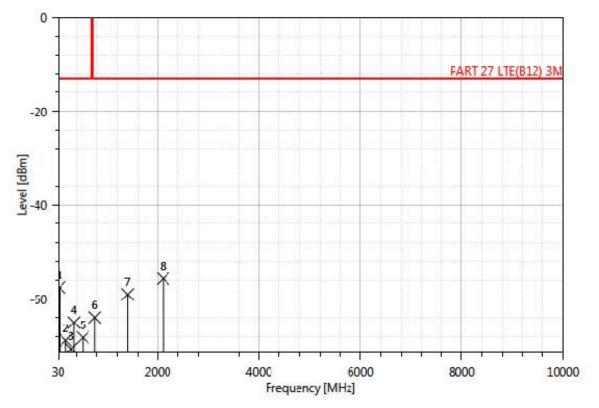
Page: 601 of 725

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.: HORIZONTAL H Plane Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -59.07 | -63.46    | 8.29    | -3.90 | -13.00 | -46.07 |
| 2104.50 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



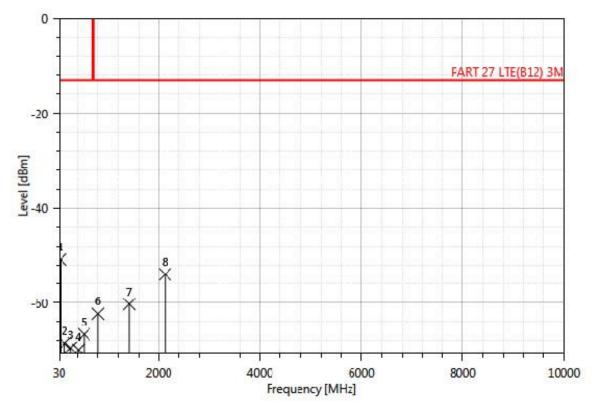
Page: 602 of 725

Operation Mode: LTE B12 Test Date: 05/04/2016 10:19:31

Fundamental Frequency: 707.5 MHz Temp. / Humi.: 22 deg\_C / 62 RH

Tx CH MID Operation Band: Test Engineer: Tin

EUT Pol.: H Plane **VERTICAL** Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -60.26 | -64.69    | 8.34    | -3.91 | -13.00 | -47.26 |
| 2122.50 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



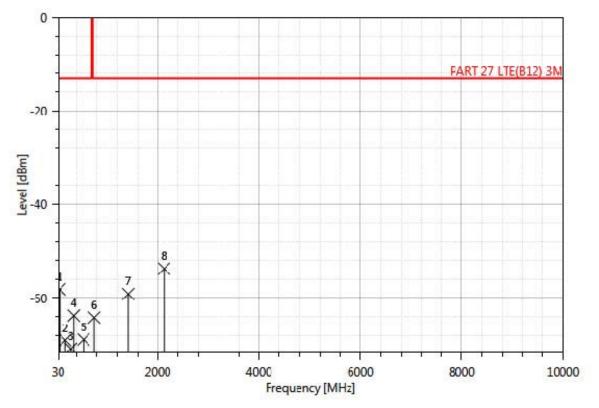
Page: 603 of 725

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

**HORIZONTAL** EUT Pol.: H Plane Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | Peak     | -59.20 | -63.62    | 8.34    | -3.91 | -13.00 | -46.20 |
| 2122.50 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



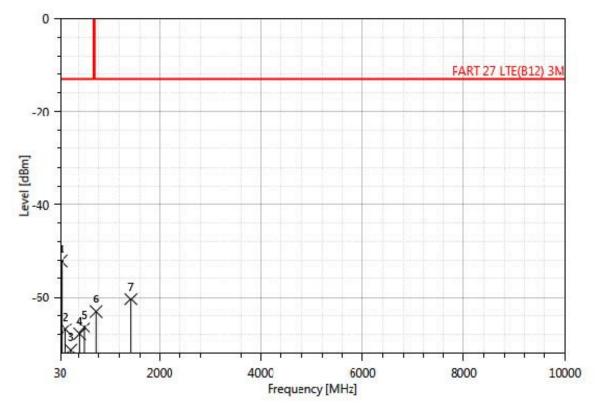
Page: 604 of 725

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.: Measurement Antenna Pol.: VERTICAL H Plane



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



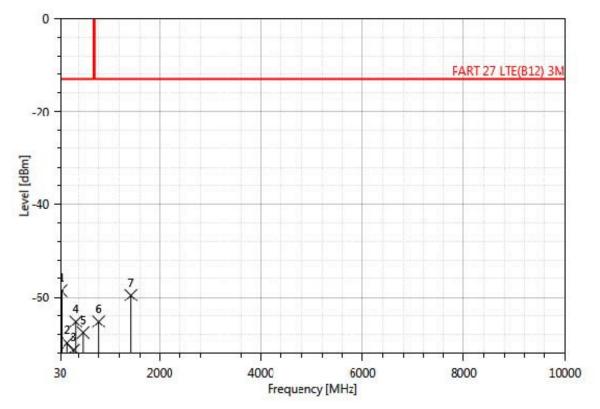
Page: 605 of 725

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.: HORIZONTAL H Plane Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | QP/AV/PK | dBm    | dBm       | dBd     | dB    | dBm         | 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law document is unlawful and offenders may be prosecuted to the fullest extent of the law



Page: 606 of 725

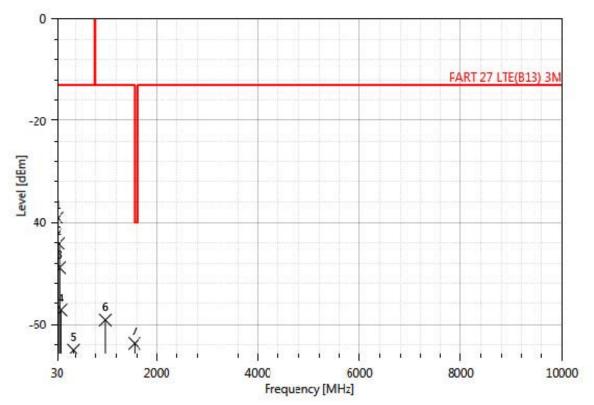
# Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 13 16QAM RB 1 0 (The Worst Case)

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<br>Mode | ERP<br>Level | SG Output<br>Level | Antenna<br>Gain | Cable<br>Loss | Limit<br>@3m | Margin |
|---------|---------|-----------------|--------------|--------------------|-----------------|---------------|--------------|--------|
| MHz     | F/H/E/S | QP/AV/PK        | dBm          | dBm                | dBd             | dB            | dBm          | dB     |
|         |         |                 |              |                    |                 |               |              |        |
| 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 | Н       | Peak            | -63.75       | -66.41             | 6.78            | -4.12         | -40.00       | -23.75 |

No.134,WuKungRoad,NewTaipeilndustrialPark,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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction is sued sefined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content of the fulled content of the fu document is unlawful and offenders may be prosecuted to the fullest extent of the law



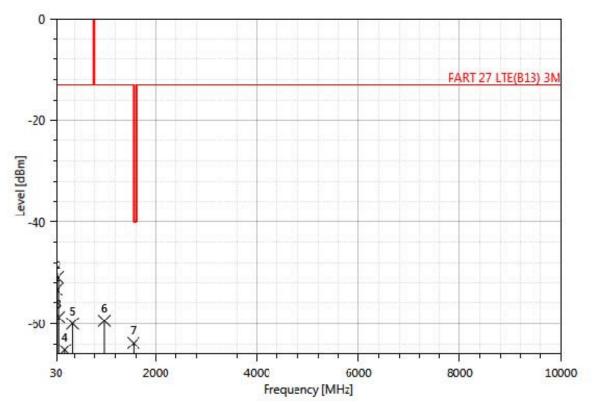
Page: 607 of 725

Operation Mode: LTE B13 Test Date: 01/11/2017

Fundamental Frequency: 779.5 MHz Temp. / Humi.: 23 deg\_C / 52 RH

TX LOW Operation Band: Test Engineer: Mike

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



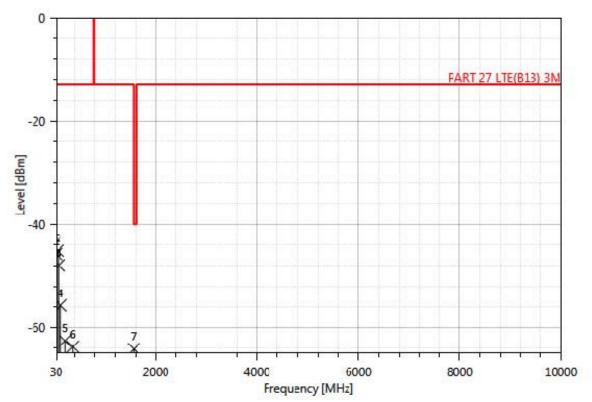
Page: 608 of 725

Operation Mode: 01/11/2017 LTE B13 Test Date:

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 |   |
|---|---------|---------|----------|--------|-----------|---------|-------|--------|--------|---|
|   |         |         | Mode     | Level  | Level     | Gain    | Loss  | @3m    |        |   |
| _ | MHz     | F/H/E/S | 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 | Н       | Peak     | -64.14 | -66.81    | 6.80    | -4.13 | -40.00 | -24.14 |   |

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



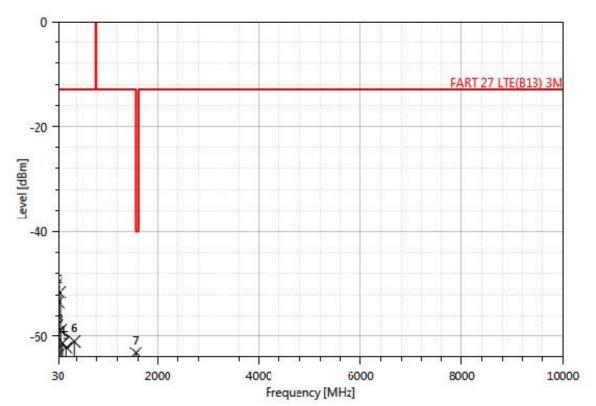
Page: 609 of 725

Operation Mode: Test Date: LTE B13 01/11/2017

Fundamental Frequency: 782 MHz Temp. / Humi.: 23 deg\_C / 52 RH

Operation Band: TX MID Test Engineer: Mike

**HORIZONTAL** EUT Pol.: E2 Plane Measurement Antenna Pol. :



|   | 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     | _ |
|   |         |         |          |        |           |         |       |        |        |   |
|   | 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



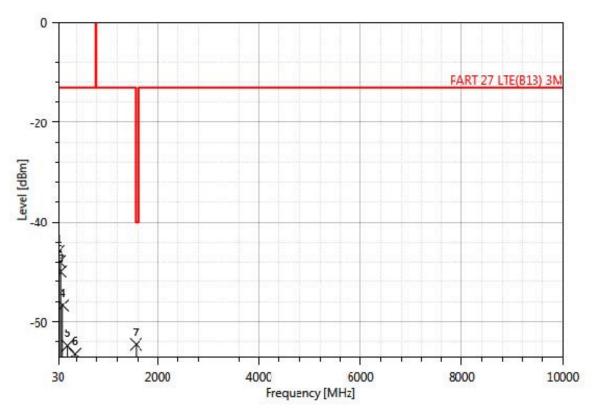
Page: 610 of 725

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 **VERTICAL** Measurement Antenna Pol.:



| Freq.   | Note    | Decetor  | ERP    | SG Output | Antenna | Cable | Limit       | Margin |
|---------|---------|----------|--------|-----------|---------|-------|-------------|--------|
|         |         | Mode     | Level  | Level     | Gain    | Loss  | <b>@</b> 3m |        |
| MHz     | F/H/E/S | 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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



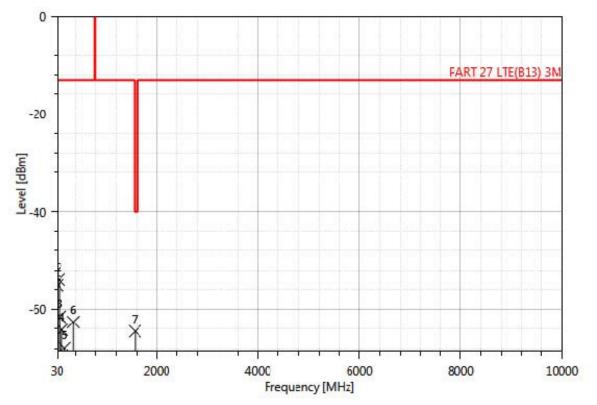
Page: 611 of 725

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 HORIZONTAL Measurement Antenna Pol.:



| 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     |
|         |         |          |        |           |         |       |        |        |
| 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 | Н       | 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 <a href="www.sgs.com/terms">www.sgs.com/terms</a> and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="www.sgs.com/terms">www.sgs.com/terms</a> 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 unlawfull and offenders may be prosecuted to the fullest evalent of the law 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