

Page: 612 of 725

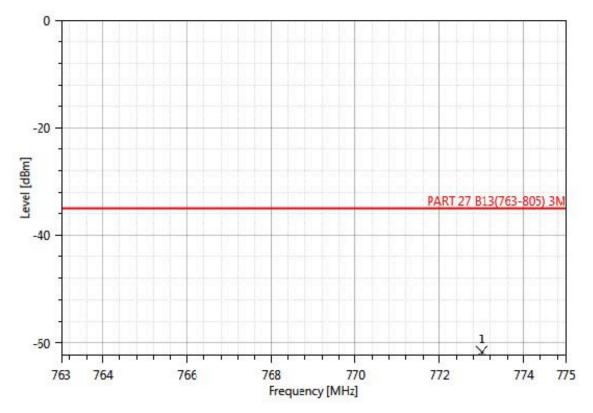
Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 13(763MHz-775MHz)

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

Fundamental Frequency: 779.5 MHz Temp. / Humi.: 23 deg_C / 52 RH

Operation Band: TX 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
773.00	S	Peak	-61.69	-62.02	3.26	-2.93	-35.00	-26.69

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留到天。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 www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is 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



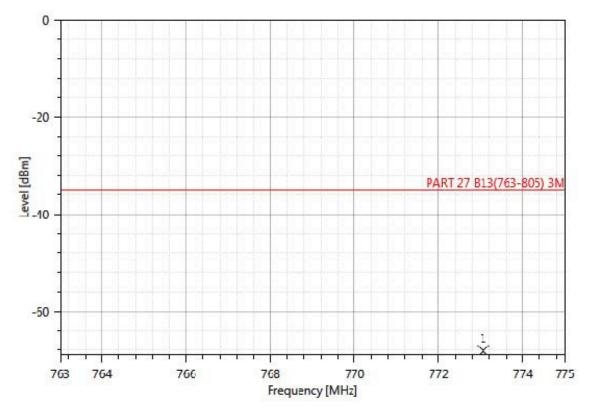
Page: 613 of 725

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
	773.06	S	Peak	-68.17	-68.49	3.26	-2.93	-35.00	-33.17

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



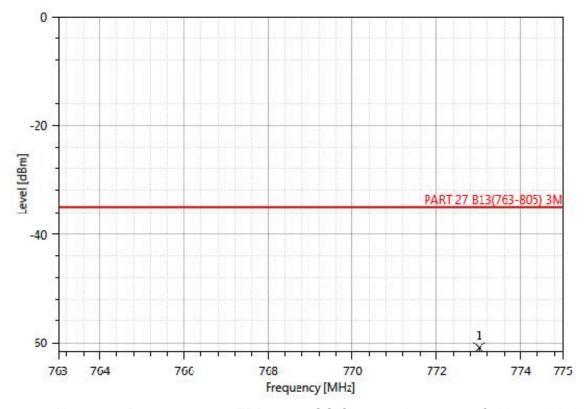
Page: 614 of 725

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

Fundamental Frequency: 782 MHz Temp. / Humi.: 23 deg_C / 52 RH

Operation Band: TX MID Test Engineer: Mike

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



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
		Mode	Level	Level	Gain	Loss	@3m	
MHz	F/H/E/S	QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
773.01	S	Peak	-60.96	-61.28	3.26	-2.93	-35.00	-25.96

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



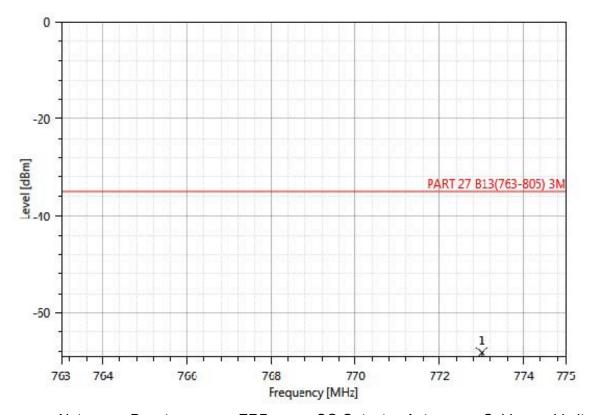
Page: 615 of 725

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

Fundamental Frequency: 782 MHz Temp. / Humi.: 23 deg_C / 52 RH

Operation Band: TX MID Test Engineer: Mike

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
773.00	S	Peak	-68.31	-68.63	3.26	-2.93	-35.00	-33.31

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



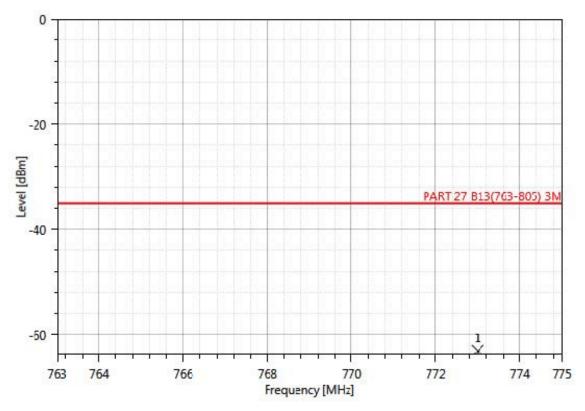
Page: 616 of 725

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	@ 3m	
MHz	F/H/E/S	QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
773.00	S	Peak	-63.01	-63.34	3.26	-2.93	-35.00	-28.01

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



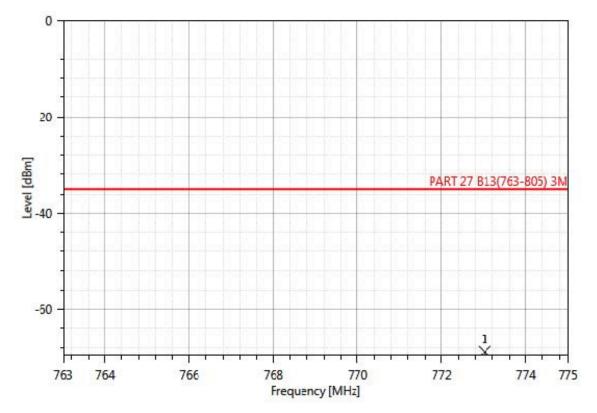
Page: 617 of 725

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
773.02	S	Peak	-68.81	-69.13	3.26	-2.93	-35.00	-33.81

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is 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: 618 of 725

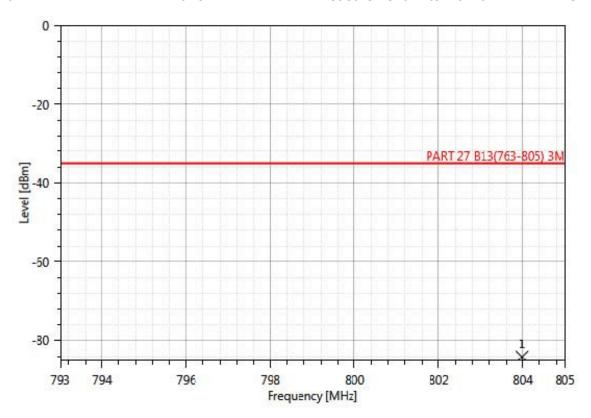
Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 13(793MHz-805MHz)

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

Fundamental Frequency: 779.5 MHz Temp. / Humi.: 23 deg_C / 52 RH

Operation Band: TX 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
803.98	S	Peak	-84.13	-84.57	3.34	-2.90	-35.00	-49.13

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279



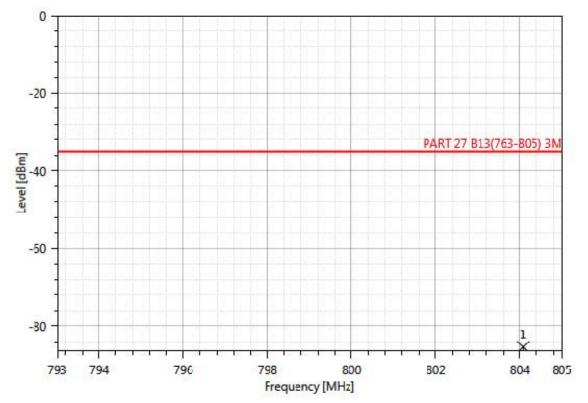
Page: 619 of 725

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
804.08	S	Peak	-85.45	-85.89	3.34	-2.90	-35.00	-50.45

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



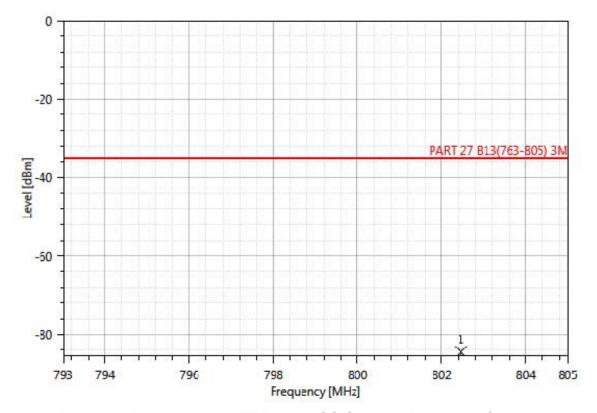
Page: 620 of 725

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

Fundamental Frequency: 782 MHz Temp. / Humi.: 23 deg_C / 52 RH

Operation Band: TX MID Test Engineer: Mike

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



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
		Mode	Level	Level	Gain	Loss	@3m	
MHz	F/H/E/S	QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
802.46	S	Peak	-84.52	-84.96	3.34	-2.90	-35.00	-49.52

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



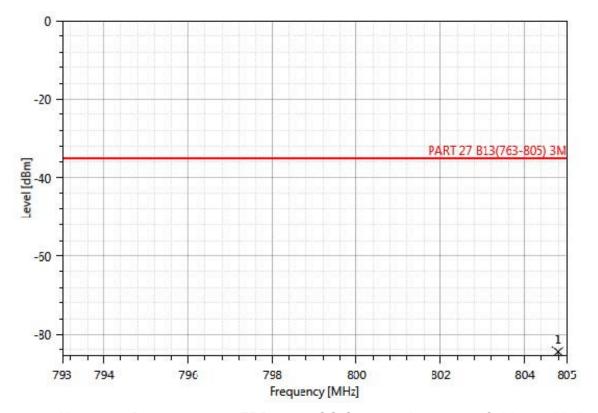
Page: 621 of 725

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

Fundamental Frequency: 782 MHz Temp. / Humi.: 23 deg_C / 52 RH

Operation Band: TX MID Test Engineer: Mike

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
	804.78	S	Peak	-84.45	-84.89	3.33	-2.89	-35.00	-49.45

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



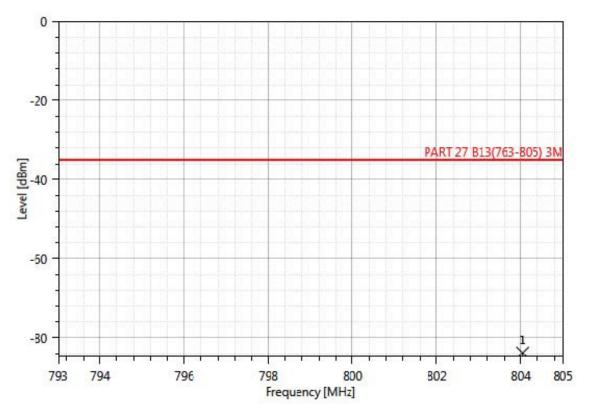
Page: 622 of 725

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	@3m	
MHz	F/H/E/S	QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
804.04	S	Peak	-83.82	-84.26	3.34	-2.90	-35.00	-48.82

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



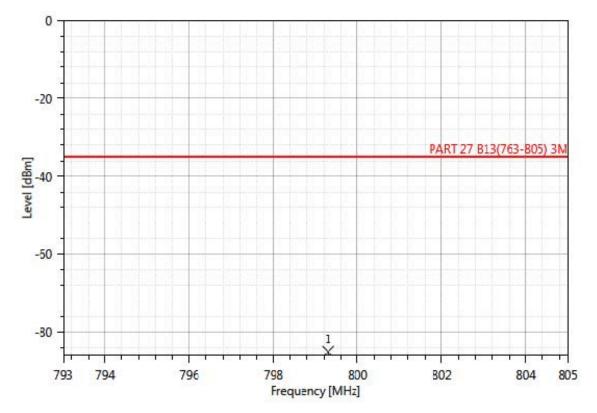
Page: 623 of 725

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
799.30	S	Peak	-85.01	-85.45	3.34	-2.90	-35.00	-50.01

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is 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: 624 of 725

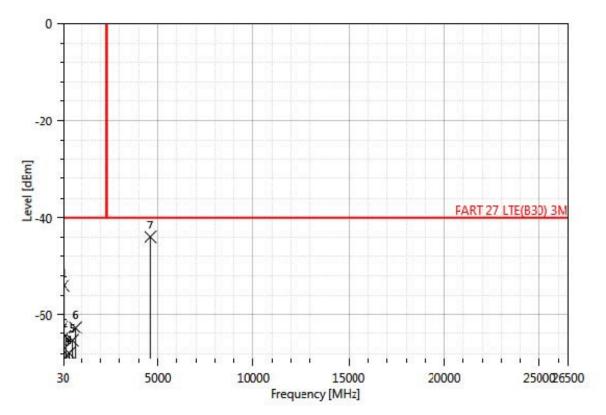
Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 30 QPSK RB 1 0 (The Worst Case)

Operation Mode: LTE B30 Test Date: 05/13/2016 14:58:16

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	-54.02	-44.49	-8.44	-1.09	-40.00	-14.02
143.49	S	Peak	-64.38	-60.49	-2.48	-1.41	-40.00	-24.38
245.34	S	Peak	-68.28	-69.90	3.37	-1.75	-40.00	-28.28
366.59	S	Peak	-67.87	-69.54	3.85	-2.17	-40.00	-27.87
532.46	S	Peak	-65.33	-66.49	3.68	-2.52	-40.00	-25.33
689.60	S	Peak	-62.67	-62.97	3.09	-2.79	-40.00	-22.67
4615.00	Н	Peak	-44.00	-49.27	12.70	-7.43	-40.00	-4.00

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



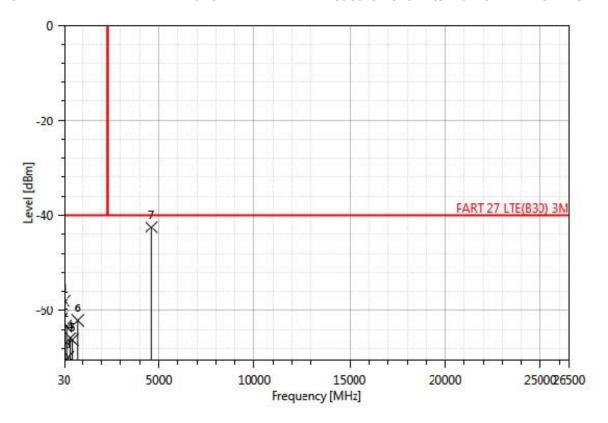
Page: 625 of 725

Operation Mode: Test Date: LTE B30 05/13/2016 14:58:29

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
61.04	S	Peak	-58.06	-48.53	-8.44	-1.09	-40.00	-18.06
139.61	S	Peak	-63.27	-59.18	-2.70	-1.39	-40.00	-23.27
255.04	S	Peak	-69.80	-71.59	3.56	-1.76	-40.00	-29.80
374.35	S	Peak	-65.91	-67.52	3.84	-2.23	-40.00	-25.91
479.11	S	Peak	-66.27	-67.80	3.77	-2.24	-40.00	-26.27
752.65	S	Peak	-62.14	-62.27	3.19	-3.06	-40.00	-22.14
4615.00	Н	Peak	-42.51	-47.78	12.70	-7.43	-40.00	-2.51

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



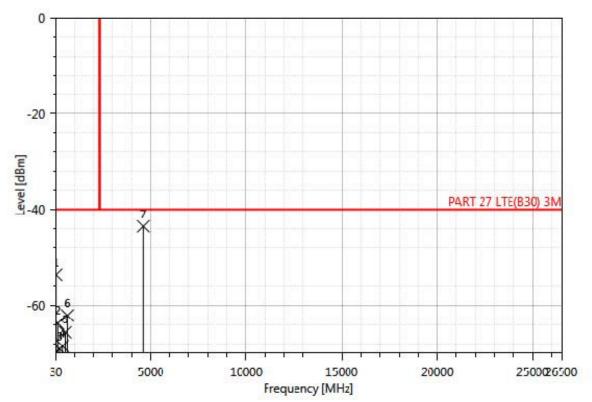
Page: 626 of 725

Operation Mode: LTE B30 Test Date: 05/13/2016 14:58:41

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	-53.68	-44.15	-8.44	-1.09	-40.00	-13.68
144.46	S	Peak	-63.75	-59.92	-2.43	-1.41	-40.00	-23.75
241.46	S	Peak	-69.12	-70.69	3.31	-1.74	-40.00	-29.12
381.14	S	Peak	-68.48	-70.04	3.84	-2.27	-40.00	-28.48
527.61	S	Peak	-65.61	-66.85	3.71	-2.47	-40.00	-25.61
634.31	S	Peak	-62.12	-62.84	3.17	-2.45	-40.00	-22.12
4620.00	Н	Peak	-43.49	-48.76	12.70	-7.44	-40.00	-3.49

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



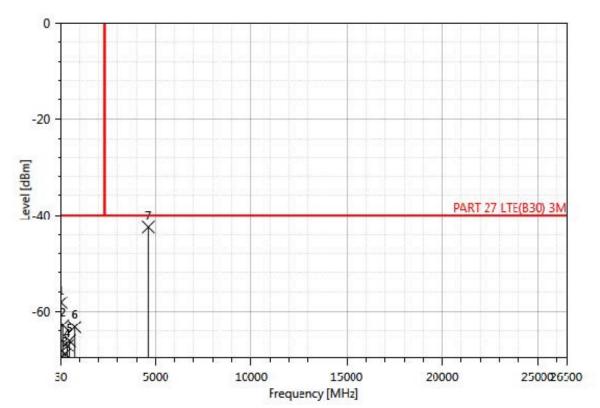
Page: 627 of 725

Operation Mode: LTE B30 Test Date: 05/13/2016 14:58:54

Fundamental Frequency: 2310 MHz Temp. / Humi.: 22 deg_C / 61 RH

Operation Band: Tx CH MID 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	@3m	
MHz	F/H/E/S	QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
62.01	S	Peak	-58.17	-48.93	-8.15	-1.09	-40.00	-18.17
144.46	S	Peak	-62.87	-59.04	-2.43	-1.41	-40.00	-22.87
260.86	S	Peak	-68.85	-70.73	3.66	-1.78	-40.00	-28.85
372.41	S	Peak	-67.10	-68.73	3.84	-2.21	-40.00	-27.10
481.05	S	Peak	-66.05	-67.59	3.78	-2.24	-40.00	-26.05
749.74	S	Peak	-63.24	-63.34	3.18	-3.08	-40.00	-23.24
4620.00	Н	Peak	-42.49	-47.75	12.70	-7.44	-40.00	-2.49

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



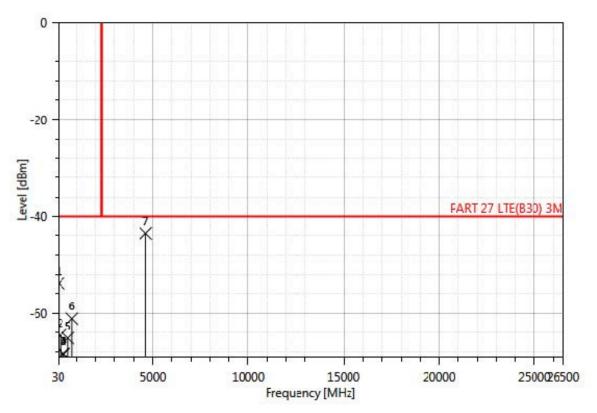
Page: 628 of 725

Operation Mode: Test Date: LTE B30 05/13/2016 14:59:06

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
62.01	S	Peak	-53.88	-44.64	-8.15	-1.09	-40.00	-13.88
143.49	S	Peak	-64.65	-60.76	-2.48	-1.41	-40.00	-24.65
294.81	S	Peak	-68.39	-69.97	3.52	-1.94	-40.00	-28.39
340.40	S	Peak	-68.37	-70.22	3.82	-1.97	-40.00	-28.37
546.04	S	Peak	-65.16	-66.10	3.61	-2.66	-40.00	-25.16
754.59	S	Peak	-61.15	-61.30	3.20	-3.05	-40.00	-21.15
4625.00	Н	Peak	-43.58	-48.84	12.70	-7.44	-40.00	-3.58

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



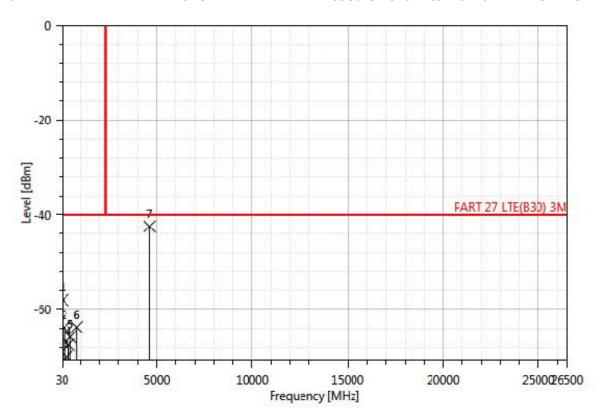
Page: 629 of 725

Operation Mode: LTE B30 Test Date: 05/13/2016 14:59:21

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	@3m	
MHz	F/H/E/S	QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
62.01	S	Peak	-57.99	-48.75	-8.15	-1.09	-40.00	-17.99
138.64	S	Peak	-63.82	-59.74	-2.69	-1.39	-40.00	-23.82
255.04	S	Peak	-69.99	-71.79	3.56	-1.76	-40.00	-29.99
372.41	S	Peak	-67.44	-69.07	3.84	-2.21	-40.00	-27.44
463.59	S	Peak	-65.82	-67.31	3.71	-2.21	-40.00	-25.82
794.36	S	Peak	-63.73	-64.15	3.32	-2.90	-40.00	-23.73
4625.00	Н	Peak	-42.44	-47.70	12.70	-7.44	-40.00	-2.44

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is 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: 630 of 725

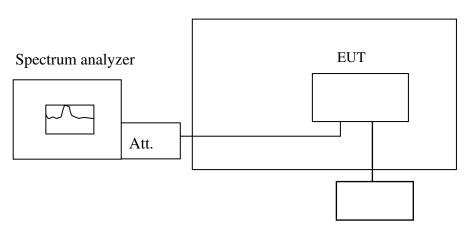
11. FREQUENCY STABILITY MEASUREMENT

11.1. Standard Applicable:

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

11.2. Test Set-up:

Temperature Chamber



Variable DC Power Supply

Note: Measurement setup for testing on Antenna connector

11.3. Measurement Procedure:

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.

Set chamber temperature to 25°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation (+/- 15%) and endpoint as declared by the manufacturer, record the maximum frequency change.

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

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

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

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



Page: 631 of 725

11.4. Measurement Equipment Used:

Conducted Emission (measured at antenna port) Test Site								
EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.			
TYPE		NUMBER	NUMBER	CAL.				
Power Meter	Anritsu	ML2495A	1005007	12/09/2015	12/08/2016			
Power Sensor	Anritsu	MA2411B	917032	12/09/2015	12/08/2016			
EXA Spectrum								
Analyzer	Agilent	N9030A	MY53120760	02/26/2016	02/25/2017			
DC Block	Mini-Circuits	BLK-18-S+	1	01/02/2016	01/01/2017			
Cooviel Coble	HUBER+SUHNE	SUCOFLEX	00670/0	04/02/2016	04/04/0047			
Coaxial Cable	R	102	23670/2	01/02/2016	01/01/2017			
Attenuator	Mini-Circuit	BW-S10W2+	2	01/02/2016	01/01/2017			
Splitter	Agilent	11636B	N/A	01/02/2016	01/01/2017			
DC Power Supply	Agilent	E3640A	MY52410006	11/05/2015	11/04/2016			
Temperature Chamber	TERCHY	MHG-120LF	911009	05/17/2015	05/16/2016			
Radio Communication	D 0 0	01411000	400400	00/44/0040	00/40/0047			
Analyzer	R&S	CMU200	102189	02/11/2016	02/10/2017			
Radio Communication	Apritou	MT0000	6201465247	10/10/2015	40/00/0040			
Analyer	Anritsu	MT8820C	6201465317	12/10/2015	12/09/2016			

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



Page: 632 of 725

Conduc	cted Emission (m	easured at a	antenna port)	Test Site	
EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.
TYPE		NUMBER	NUMBER	CAL.	
Power Meter	Anritsu	ML2495A	1005007	12/08/2016	12/07/2017
Power Sensor	Anritsu	MA2411B	917032	12/08/2016	12/07/2017
DC Block	Mini-Circuits	BLK-18-S+	1	01/01/2017	12/31/2017
Coaxial Cable	HUBER+SUHNE R	SUCOFLEX 102	23670/2	01/01/2017	12/31/2017
Attenuator	Mini-Circuit	BW-S10W2+	2	01/01/2017	12/31/2017
Splitter	Agilent	11636B	N/A	01/01/2017	12/31/2017
DC Power Supply	Agilent	E3640A	MY52410006	11/04/2016	11/03/2017
Temperature Chamber	TERCHY	MHG-120LF	911009	05/05/2016	05/04/2017
Radio Communication Analyer	Anritsu	MT8820C	6201465317	12/09/2016	12/08/2017

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is 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: 633 of 725

11.5. Measurement Result:

FREQUENCY ERROR vs. VOLTAGE

THE GUENCT ENNOW VS. VOLTAGE										
Ref	Reference Frequency: GPRS 850 Mid Channel 836.6 MHz									
	Limit: +/- 2.5 ppm									
Power Supply	Environment	Frequency								
Vdc	Temperature (°ℂ)	(MHz)	Delta (Hz)	Limit (Hz)						
4.43	20	836599995	0	2091						
3.85	20	836599995	0	2091						
3.27	20	836599992	-3	2091						
2.9 (End point)	20	836599999	4	2091						

FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency: GPRS 850 Mid Channel 836.6 MHz										
	Limit: +/- 2.5 ppm									
Power Supply	Environment	Frequency								
Vdc	Temperature $(^{\circ}\mathbb{C})$	(MHz)	Delta (Hz)	Limit (Hz)						
3.85	50	836599992	-3	2091						
3.85	40	836599990	-5	2091						
3.85	30	836599988	-7	2091						
3.85	20	836599995	0	2091						
3.85	10	836599993	-2	2091						
3.85	0	836599999	4	2091						
3.85	-10	836599994	-1	2091						
3.85	-20	836599993	-2	2091						
3.85	-30	836599993	-2	2091						

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



Page: 634 of 725

FREQUENCY ERROR vs. VOLTAGE

Ref	Reference Frequency: GPRS 1900 Mid Channel 1880 MHz								
Limit: +/- 2.5 ppm									
Power Supply	Environment	Frequency							
Vdc	Temperature (°ℂ)	(MHz)	Delta (Hz)	Limit (Hz)					
4.43	20	1879999996	-1	4700					
3.85	20	1879999997	0	4700					
3.27	20	1879999995	-2	4700					
2.9 (End point)	20	1880000003	6	4700					

FREQUENCY ERROR vs. TEMPERATURE

R	Reference Frequency: GPRS 1900 Mid Channel 1880 MHz								
	L	imit: +/- 2.5 ppm = H	z						
Power Supply	Environment	Frequency	Dolto (Hz)	Limit (LI=)					
Vdc	Temperature (°C)	(MHz)	Delta (Hz)	Limit (Hz)					
3.85	50	1879999996	-1	4700					
3.85	40	1879999998	1	4700					
3.85	30	1879999994	-3	4700					
3.85	20	1879999997	0	4700					
3.85	10	1879999996	-1	4700					
3.85	0	1879999999	2	4700					
3.85	-10	188000001	4	4700					
3.85	-20	1880000002	5	4700					
3.85	-30	1880000000	3	4700					

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is 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: 635 of 725

FREQUENCY ERROR vs. VOLTAGE

Reference Frequency: CDMA2000 cell BC0 Mid Channel 836.52 MHz					
Limit: +/- 2.5 ppm					
Power Supply	Environment Frequency				
Vdc	Temperature (°ℂ)	(MHz)	Delta (Hz)	Limit (Hz)	
4.35	4.35 25.00 836.520008		-11.00	2091.00	
3.80	25.00	836.519997	0.00	2091.00	
3.50	25.00	836.520005	-8.00	2091.00	
3.1	25.00	836.519995	2.00	2091.00	
(End point)					

FREQUENCY ERROR vs. TEMPERATURE

Referen	Reference Frequency: CDMA2000 cell BC0 Mid Channel 836.52 MHz					
	Limit: +/- 2.5 ppm = Hz					
Power Supply	Environment	Frequency	Dolto (Hz)	Limit (Hz)		
Vdc	Temperature (°C)	(MHz)	Delta (Hz)			
3.85	50	836.519997	0.00	2091		
3.85	40	836.520009	-12.00	2091		
3.85	30	836.520006	-9.00	2091		
3.85	20	836.519997	0.00	2091		
3.85	10	836.519995	2.00	2091		
3.85	0	836.520006	-9.00	2091		
3.85	-10	836.520008	-11.00	2091		
3.85	-20	836.520005	-8.00	2091		
3.85	-30	836.519999	-2.00	2091		

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

台灣檢驗科技股份有限公司



Page: 636 of 725

FREQUENCY ERROR vs. VOLTAGE

Reference	Mid Channel 1	880 MHz				
	Limit: +/- 2.5 ppm					
Power Supply	Environment Frequency					
Vdc	Temperature (°ℂ)	(MHz)	Delta (Hz)	Limit (Hz)		
4.35	4.35 25 18		-9.00	4700		
3.80	25	1879.999995	0.00	4700		
3.50	3.50 25		-8.00	4700		
3.1 (End point)	25	1879.999997	-2.00	4700		

FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency: CDMA2000 cell BC1 Mid Channel 1880 MHz						
	Limit: +/- 2.5 ppm = Hz					
Power Supply	Environment	Frequency		l ::t /l l)		
Vdc	Temperature (°ℂ)	(MHz)	Delta (Hz)	Limit (Hz)		
3.85	50	1879.999995	13.00	2091		
3.85	40	1880.000003	5.00	2091		
3.85	30	1879.999998	10.00	2091		
3.85	20	1880.000008	0.00	2091		
3.85	10	1879.999995	13.00	2091		
3.85	0	1880.000003	5.00	2091		
3.85	-10	1880.000005	3.00	2091		
3.85	-20	1879.999995	13.00	2091		
3.85	-30	1880.000004	4.00	2091		

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

f (886-2) 2298-0488

www.tw.sqs.com



Page: 637 of 725

FREQUENCY ERROR vs. VOLTAGE

Reference Frequency: WCDMA II Mid Channel 1880 MHz						
Limit: +/- 2.5 ppm						
Power Supply	Supply Environment Frequency					
Vdc	Temperature (°ℂ)	(MHz)	Delta (Hz)	Limit (Hz)		
4.43	20	20 1880000000		4700		
3.85	20	20 1880000002		4700		
3.27	20	1879999998	-4	4700		
2.9	20	1880000000	-2	4700		
(End point)						

FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency: WCDMA II Mid Channel 1880							
Limit: +/- 2.5 ppm							
Power Supply	Environment	Frequency					
Vdc	Temperature (°ℂ)	(MHz)	Delta (Hz)				
3.85	50	1880000002	0	4700			
3.85	40	1879999999	-3	4700			
3.85	30	1880000001	-1	4700			
3.85	20	1880000002	0	4700			
3.85	10	1879999999	-3	4700			
3.85	0	1879999998	-4	4700			
3.85	-10	1880000002	0	4700			
3.85	-20	1879999996	-6	4700			
3.85	-30	1880000001	-1	4700			

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

台灣檢驗科技股份有限公司 t (886-2) 2299-3279



Page: 638 of 725

FREQUENCY ERROR vs. VOLTAGE

Reference Frequency: WCDMA IV Mid Channel 1732.6 MHz						
Limit: +/- 2.5 ppm						
Power Supply	pply Environment Frequency					
Vdc	Temperature (°ℂ)	(MHz)	Delta (Hz)	Limit (Hz)		
4.43	20 173260000		-2	4331		
3.85	20 173260002		0	4331		
3.27	20	173259998	-4	4331		
2.9	20	173260002	0	4331		
(End point)		5=3000=		1001		

FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency: WCDMA IV Mid Channel 1732.6 MHz							
	Limit: +/- 2.5 ppm						
Power Supply	Environment	Environment Frequency					
Vdc	Temperature (°C)	(MHz)	(MHz) Delta (Hz)				
3.85	50	173259999	-3	4331			
3.85	40	173260000	-2	4331			
3.85	30	173260004	2	4331			
3.85	20	173260002	0	4331			
3.85	10	173260000	-2	4331			
3.85	0	173260003	1	4331			
3.85	-10	173260000	-2	4331			
3.85	-20	173260004	2	4331			
3.85	-30	173260001	-1	4331			

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

台灣檢驗科技股份有限公司 t (886-2) 2299-3279



Page: 639 of 725

FREQUENCY FRROR vs. VOI TAGE

INLGULING	FREQUENCY ERROR VS. VOLTAGE					
	Reference Frequency: WCDMA V Mid Channel 836.6 MHz					
	Limit: +/- 2.5 ppm					
Power Supply	Environment	Frequency				
Vdc	Temperature (°C)	(MHz)	Delta (Hz)	Limit (Hz)		
4.43	20	836599999	1	2091		
3.85	20	836599998	0	2091		
3.27	20	836599999	1	2091		
2.9 (End Point)	20	836599996	-2	2091		

FREQUENCY ERROR vs. TEMPERATURE

	Reference Frequency: WCDMA V Mid Channel 836.6 MHz						
	Limit: +/- 2.5 ppm						
Power Supply	Environment	Frequency	Dolto (Hz)	Limit (Uz)			
Vdc	Temperature (°C)	(MHz)	Delta (Hz)	Limit (Hz)			
3.85	50	836599998	0	2091			
3.85	40	836599999	1	2091			
3.85	30	836600001	3	2091			
3.85	20	836599998	0	2091			
3.85	10	836599998	0	2091			
3.85	0	836599999	1	2091			
3.85	-10	836600000	2	2091			
3.85	-20	836599996	-2	2091			
3.85	-30	836599997	-1	2091			

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



Page: 640 of 725

FREQUENCY ERROR vs. VOLTAGE

THE GOEROT ENTION VS. VOLTAGE						
Reference Frequency:		LTE B2 Mid Channel	1880	MHz 10M QPSK CH 18900		
	Limit: +/- 2.5 ppm					
Power Supply	Environment	Frequency				
Vdc	Temperature (°C)	(MHz)	Delta (Hz)	Limit (Hz)		
4.43	25	1880.000003	5.80	4700		
3.85	25	1879.999997	0.00	4700		
3.46	25	1879.999995	-2.80	4700		
3.1 (End Point)	25	1880.000002	5.00	4700		

FREQUENCY ERROR vs. TEMPERATURE

Reference	ce Frequency:	LTE B2 Mid Channel	1880	MHz	10M QPSK CH 18900
		Limit: +/	/- 2.5 ppm		
Power Supply	Environment	Frequency	Dolto (U=)		Limit (Lla)
Vdc	Temperature (°C)	(MHz)	Delta (Hz)		Limit (Hz)
3.85	-30	1880.000002	5.20		4700
3.85	-20	1880.000002	5.50		4700
3.85	-10	1880.000004	7.50		4700
3.85	0	1879.999999	2.30		4700
3.85	10	1879.999999	2.40		4700
3.85	20	1879.999996	0.00		4700
3.85	30	1880.000001	5.00		4700
3.85	40	1879.999998	1.30		4700
3.85	50	1879.999998	1.20		4700

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



Page: 641 of 725

FREQUENCY FRROR vs. VOI TAGE

THE GOLINGT ENHOUSE VOLTAGE						
Reference	Frequency:	LTE B4 Mid Channel	1732.5	MHz 10M QPSK CH 20175		
	Limit: +/- 2.5 ppm					
Power Supply	Environment	Frequency				
Vdc	Temperature (°C)	(MHz)	Delta (Hz)	Limit (Hz)		
4.43	25	1732.499995	-3.70	4331		
3.85	25	1732.499998	0.00	4331		
3.46	25	1732.500002	3.20	4331		
3.1 (End Point)	25	1732.499998	-0.80	4331		

FREQUENCY ERROR vs. TEMPERATURE

Referen	ce Frequency:	LTE B4 Mid Channel	1732.5	MHz 10M QPSK CH 20175
		Limit: +/	/- 2.5 ppm	
Power Supply	Environment	Frequency	Dolto (Hz)	Limit (Uz)
Vdc	Temperature (°C)	(MHz)	Delta (Hz)	Limit (Hz)
3.85	-30	1732.500004	9.00	4331
3.85	-20	1732.500001	5.60	4331
3.85	-10	1732.500001	6.10	4331
3.85	0	1732.500000	4.70	4331
3.85	10	1732.500001	6.10	4331
3.85	20	1732.499995	0.00	4331
3.85	30	1732.499996	0.80	4331
3.85	40	1732.499999	3.70	4331
3.85	50	1732.500003	7.40	4331

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



Page: 642 of 725

FREQUENCY FRROR vs. VOI TAGE

THE GOENET ENHOUSE VOLTAGE						
Reference	Frequency:	LTE B5 Mid Channel	836.5	MHz 10M QPSK CH 20525		
	Limit: +/- 2.5 ppm					
Power Supply	Environment	Frequency				
Vdc	Temperature (°ℂ)	(MHz)	Delta (Hz)	Limit (Hz)		
4.43	25	836.500003	0.40	2091		
3.85	25	836.500002	0.00	2091		
3.46	25	836.500002	-0.70	2091		
3.1 (End Point)	25	836.499995	-6.90	2091		

FREQUENCY ERROR vs. TEMPERATURE

Reference	ce Frequency:	LTE B5 Mid Channel	836.5	MHz 10M QPSK CH 20525		
	Limit: +/- 2.5 ppm					
Power Supply	Environment	Frequency	Dolto (Hz)	Limit (Lla)		
Vdc	Temperature $(^{\circ}C)$	(MHz)	Delta (Hz)	Limit (Hz)		
3.85	-30	836.500000	-2.90	2091		
3.85	-20	836.500002	-1.60	2091		
3.85	-10	836.499998	-4.70	2091		
3.85	0	836.500000	-3.40	2091		
3.85	10	836.499996	-6.70	2091		
3.85	20	836.500003	0.00	2091		
3.85	30	836.500000	-3.40	2091		
3.85	40	836.500004	0.50	2091		
3.85	50	836.500000	-2.90	2091		

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is 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: 643 of 725

FREQUENCY FRROR vs. VOI TAGE

THE GOLNOT ENHOW VS. VOLTAGE					
Reference	Frequency:	LTE B7 Mid Channel	2535.0	MHz 10M QPSK CH 21100	
	Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency			
Vdc	Temperature (°ℂ)	(MHz)	Delta (Hz)	Limit (Hz)	
4.43	25	2535.000003	3.80	6338	
3.85	25	2534.999999	0.00	6338	
3.46	25	2535.000006	6.80	6338	
3.1 (End Point)	25	2535.000002	3.20	6338	

FREQUENCY ERROR vs. TEMPERATURE

Referen	ce Frequency:	LTE B7 Mid Channel	2535.0	MHz 10M QPSK CH 21100		
	Limit: +/- 2.5 ppm					
Power Supply	Environment	Frequency	Dolto (Hz)	Limit (Uz)		
Vdc	Temperature (°C)	(MHz)	Delta (Hz)	Limit (Hz)		
3.85	-30	2535.000000	2.20	6338		
3.85	-20	2535.000003	5.20	6338		
3.85	-10	2534.999999	0.70	6338		
3.85	0	2534.999998	0.10	6338		
3.85	10	2535.000002	4.00	6338		
3.85	20	2534.999998	0.00	6338		
3.85	30	2535.000004	5.80	6338		
3.85	40	2535.000001	3.60	6338		
3.85	50	2535.000003	5.00	6338		

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

f (886-2) 2298-0488

www.tw.sqs.com



Page: 644 of 725

FREQUENCY ERROR vs. VOLTAGE

THE GOLINOT ETHIOTI VS. VOLTAGE					
Reference Frequency:		LTE B12 Mid Channel	707.5	MHz 10M QPSK CH 23095	
	Limit: +/- 2.5 ppm				
Power Sup- ply	Environment	Frequency			
Vdc	Temperature (°ℂ)	(MHz)	Delta (Hz)	Limit (Hz)	
4.43	25	707.500004	5.60	1769	
3.85	25	707.499998	0.00	1769	
3.46	25	707.499998	0.50	1769	
3.1 (End Point)	25	707.500003	4.90	1769	

FREQUENCY ERROR vs. TEMPERATURE

NEGOLINOT VS. TEMPENATORE						
Reference	ce Frequency:	LTE B12 Mid Channel	707.5	MHz 10M QPSK CH 23095		
	Limit: +/- 2.5 ppm					
Power Supply	Environment	Frequency	Dolto (Uz)	Limit (U=)		
Vdc	Temperature (°C)	(MHz)	Delta (Hz)	Limit (Hz)		
3.85	-30	707.500000	0.90	1769		
3.85	-20	707.500006	6.90	1769		
3.85	-10	707.500005	6.30	1769		
3.85	0	707.499996	-2.30	1769		
3.85	10	707.499995	-3.60	1769		
3.85	20	707.499999	0.00	1769		
3.85	30	707.500003	4.50	1769		
3.85	40	707.500003	4.10	1769		
3.85	50	707.500002	3.60	1769		

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



Page: 645 of 725

FREQUENCY FRROR vs. VOI TAGE

I REGULACT ERROR VS. VOLTAGE						
Reference	Frequency:	LTE B13 Mid Channel	782.0	MHz 10M QPSK CH 23230		
	Limit: +/- 2.5 ppm					
Power Supply	Environment	Frequency				
Vdc	Temperature (°C)	(MHz)	Delta (Hz)	Limit (Hz)		
4.35	25	782.000004	10	1955		
3.8	25	781.999994	0	1955		
3.5	25	781.999996	2	1955		
3.1 (End Point)	25	782.000001	7	1955		

FREQUENCY ERROR vs. TEMPERATURE

Reference	ce Frequency:	LTE B13 Mid Channel	782.0	MHz 10M QPSK CH 23230		
	Limit: +/- 2.5 ppm					
Power Supply	Environment	Frequency	Dolto (Hz)	Limit (Hz)		
Vdc	Temperature (°C)	(MHz)	Delta (Hz)			
3.85	-30	782.000003	-9	1955		
3.85	-20	782.000001	-11	1955		
3.85	-10	782.000013	1	1955		
3.85	0	781.99999	-22	1955		
3.85	10	781.999995	-17	1955		
3.85	20	782.000012	0	1955		
3.85	30	782.000012	0	1955		
3.85	40	782.000006	-6	1955		
3.85	50	781.999999	-13	1955		

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

台灣檢驗科技股份有限公司

f (886-2) 2298-0488

www.tw.sqs.com



Page: 646 of 725

FREQUENCY FRROR vs. VOI TAGE

THE GOLNOT LITTON VS. VOLTAGE					
Reference	Frequency:	LTE B30 Mid Channel	27710.0	MHz 10M QPSK CH 27710	
	Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency			
Vdc	Temperature (°C)	(MHz)	Delta (Hz)	Limit (Hz)	
4.43	25	27709.999999	-1.90	69275	
3.85	25	27710.000001	0.00	69275	
3.46	25	27709.999998	-3.80	69275	
3.1 (End Point)	25	27709.999998	-3.50	69275	

FREQUENCY ERROR vs. TEMPERATURE

112021101 2111011 101 12111 211111 211111				
Reference	ce Frequency:	LTE B30 Mid Channel	2310.0	MHz 10M QPSK CH 27710
		Limit: +/- 2.5	ppm	
Power Supply	Environment	Frequency	Dalta (LI-)	I :: (
Vdc	Temperature (°C)	(MHz)	Delta (Hz)	Limit (Hz)
3.85	-30	2309.999998	-1.80	5775
3.85	-20	2309.999999	-0.50	5775
3.85	-10	2310.000002	2.50	5775
3.85	0	2310.000002	2.60	5775
3.85	10	2310.000002	2.40	5775
3.85	20	2309.999999	0.00	5775
3.85	30	2310.000000	0.80	5775
3.85	40	2309.999998	-1.80	5775
3.85	50	2309.999999	-0.20	5775

Note: The battery is rated 3.85V dc.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is 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,NewTaipeilndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號



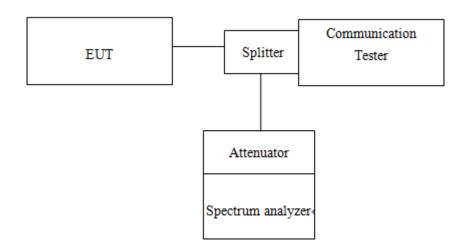
Page: 647 of 725

12. PEAK TO AVERAGE RATIO

12.1. Standard Applicable

The peak-to-average ration (PAR) of the transmission may not exceed 13dB.

12.2. Test SET-UP



12.3. Measurement Procedure

- 1. KDB 971168 D01 is employed as the following procedure is proper adjusted accordingly:
- 2. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth; & internal =1ms
- 3. Set the number of counts to a value that stabilizes the measured CCDF curve.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。

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

台灣檢驗科技股份有限公司

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 f (886-2) 2298-0488

www.tw.sqs.com



Page: 648 of 725

12.4. Measurement Equipment Used

Conducted Emission (measured at antenna port) Test Site									
EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.				
TYPE		NUMBER	NUMBER	CAL.					
Power Meter	Anritsu	ML2495A	1005007	12/09/2015	12/08/2016				
Power Sensor	Anritsu	MA2411B	917032	12/09/2015	12/08/2016				
EXA Spectrum									
Analyzer	Agilent	N9030A	MY53120760	02/26/2016	02/25/2017				
DC Block	Mini-Circuits	BLK-18-S+	1	01/02/2016	01/01/2017				
Coaxial Cable	HUBER+SUHNE R	SUCOFLEX 102	23670/2	01/02/2016	01/01/2017				
Attenuator	Mini-Circuit	BW-S10W2+	2	01/02/2016	01/01/2017				
Splitter	Agilent	11636B	N/A	01/02/2016	01/01/2017				
DC Power Supply	Agilent	E3640A	MY52410006	11/05/2015	11/04/2016				
Temperature Chamber	TERCHY	MHG-120LF	911009	05/17/2015	05/16/2016				
Radio Communication Analyzer	R&S	CMU200	102189	02/11/2016	02/10/2017				
Radio Communication Analyzer	Anritsu	MT8820C	6200995019	09/25/2015	09/24/2016				
Radio Communication Analyer	Anritsu	MT8820C	6201465317	12/10/2015	12/09/2016				

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



Page: 649 of 725

Conduc	Conducted Emission (measured at antenna port) Test Site									
EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.					
TYPE		NUMBER	NUMBER	CAL.						
Power Meter	Anritsu	ML2495A	1005007	12/08/2016	12/07/2017					
Power Sensor	Anritsu	MA2411B	917032	12/08/2016	12/07/2017					
DC Block	Mini-Circuits	BLK-18-S+	1	01/01/2017	12/31/2017					
Coaxial Cable	HUBER+SUHNE R	SUCOFLEX 102	23670/2		12/31/2017					
Attenuator	Mini-Circuit	BW-S10W2+	2	01/01/2017	12/31/2017					
Splitter	Agilent	11636B	N/A	01/01/2017	12/31/2017					
DC Power Supply	Agilent	E3640A	MY52410006	11/04/2016	11/03/2017					
Temperature Chamber	TERCHY	MHG-120LF	911009	05/05/2016	05/04/2017					
Radio Communication Analyer	Anritsu	MT8820C	6201465317	12/09/2016	12/08/2017					

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is 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: 650 of 725

12.5. Measurement Result

Tabular Results:

Frequency	Frequency CH		Peak-to-Average Ratio (dB)				
(MHz)	Cn	GSM	GPRS	EDGE			
824.20	128	9.37	10.10	12.60			
836.60	190	9.64	9.67	12.26			
848.80	251	9.20	9.51	12.75			

Frequency	СН	Pe	ak-to-Average R (dB)	atio
(MHz)	Сп	GSM	GPRS	EDGE
1850.20	9296	9.85	10.05	12.55
1880.00	9400	9.54	9.78	12.59
1909.80	9538	9.51	9.66	12.78

Frequency	СН	Peak-to-Average Ratio (dB)			
(MHz)	OH	CDMA BC0	EVDO BC0		
824.70	1013	4.29	4.22		
836.52	384	4.27	4.52		
848.31	777	4.24	4.33		

Frequency	СН	Peak-to-Average Ratio (dB)		
(MHz)	On	CDMA BC1	EVDO BC1	
1851.25	25	4.30	4.19	
1880.00	600	4.21	4.37	
1908.75	1175	4.13	4.31	

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is 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: 651 of 725

Frequency	СН	Pe	Peak-to-Average Ratio (dB)			
(MHz)	OII	WCDMA II	HSDPA II	HSUPA II		
1852.4	1312	2.65	3.71	3.68		
1880.0	1413	2.84	3.78	3.86		
1907.6	1513	2.79	3.61	3.65		

Frequency	СН	Peak-to-Average Ratio (dB)			
(MHz)	OH	WCDMA IV	HSDPA IV	HSUPA IV	
1712.4	1312	2.81	3.81	3.84	
1732.6	1413	2.94	3.71	3.80	
1752.6	1513	3.06	3.84	3.86	

Frequency	СН	Peak-to-Average Ratio (dB)				
(MHz)	CH	WCDMA V	HSDPA V	HSUPA V		
826.40	4132	3.30	4.03	4.05		
836.60	4183	3.31	3.82	3.88		
846.60	4233	3.34	4.13	4.16		



Page: 652 of 725

			LTE I	BAND 2			
Channel bandwidth: 1.4MHz Channel bandwidth: 3M					lHz		
Frequency	СН	Peak-to-Average Ratio (dB)		Frequency	СН	Peak-to-Averag Ratio (dB)	
(MHz)		16QAM	LIMIT	(MHz)		16QAM	LIMIT
1850.7	18607	4.90	13	1851.5	18615	5.06	13
1880.0	18900	5.48	13	1880.0	18900	5.37	13
1909.3	19193	5.06	13	1908.5	19185	5.19	13

	LTE BAND 2									
Channel bandwidth: 5MHz			Chai	nnel ban	dwidth: 10N	ЛНz				
Frequency	СН	Peak-to-Average Ratio (dB)		Frequency	СН	Peak-to-Average Ratio (dB)				
(MHz)		16QAM	LIMIT	(MHz)		16QAM	LIMIT			
1852.5	18625	5.29	13	1855.0	18650	5.61	13			
1880.0	18900	5.64	13	1880.0	18900	5.91	13			
1907.5	19175	5.56	13	1905.0	19150	5.97	13			

LTE BAND 2									
Channel bandwidth: 15MHz			Chai	nnel ban	dwidth: 20N	ЛHz			
Frequency	СН	Peak-to-Average Ratio (dB)		Frequency	СН	Peak-to-Average Ratio (dB)			
(MHz)		LIMIT	(MHz)		16QAM	LIMIT			
1857.5	18675	6.52	13	1860.0	18700	6.99	13		
1880.0	18900	6.55	13	1880.0	18900	7.10	13		
1902.5	19125	6.68	13	1900.0	19100	7.08	13		

台灣檢驗科技股份有限公司

t (886-2) 2299-3279



Page: 653 of 725

			LTE I	BAND 4			
Char	nnel ban	dwidth: 1.4	MHz	Cha	nnel bar	ndwidth: 3N	lHz
Frequency	СН	Peak-to-Average Ratio (dB)		Frequency	СН	Peak-to-Average Ratio (dB)	
(MHz)		16QAM	LIMIT	(MHz)		16QAM	LIMIT
1710.7	19957	5.18	13	1711.5	19965	5.19	13
1732.5	20175	5.56	13	1732.5	20175	5.45	13
1754.3	20393	5.66	13	1753.5	20385	5.50	13

			LTE I	BAND 4				
Channel bandwidth: 5MHz				Chai	Channel bandwidth: 10MHz			
Frequency		Peak-to-Average Ratio (dB)		Frequency	СН	Peak-to-Average Ratio (dB)		
(MHz)		16QAM	LIMIT	(MHz)		16QAM	LIMIT	
1712.5	19957	5.52	13	1715.0	20000	5.86	13	
1732.5	20175	5.67	13	1732.5	20175	5.88	13	
1752.5	20375	5.78	13	1750.0	20350	5.99	13	

			LTE I	BAND 4				
Channel bandwidth: 15MHz				Chai	Channel bandwidth: 20MHz			
Frequency	СН	Ra	Average tio B)	Frequency	СН	Peak-to-Average Ratio (dB)		
(MHz)		16QAM	LIMIT	(MHz)		16QAM	LIMIT	
1717.5	20025	6.67	13	1720.0	20050	7.08	13	
1732.5	20175	6.61	13	1732.5	20175	6.91	13	
1747.5	20325	6.63	13	1745.0	20300	6.98	13	

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



Page: 654 of 725

			LTE B	AND 5			
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency CH		Peak-to-Average Ra- tio (dB)		Frequency	СН	Peak-to-Average Ra- tio (dB)	
(MHz)		16QAM	LIMIT	(MHz)		16QAM	LIMIT
824.7	20407	6.78	13	825.5	20415	6.57	13
836.5	20525	6.87	13	836.5	20525	6.45	13
848.3	20643	6.70	13	847.5	20635	6.41	13

			LTE B	AND 5			
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency CH		Peak-to-Average Ra- tio (dB)		Frequency	СН	Peak-to-Average Ra- tio (dB)	
(MHz)		16QAM	LIMIT	(MHz)		16QAM	LIMIT
826.5	20425	6.65	13	2505.0	20800	6.62	13
836.5	20525	6.61	13	2535.0	21100	6.45	13
846.5	20625	6.61	13	2565.0	21400	6.56	13

LTE BAND 7										
Channel bandwidth: 5MHz				Chai	Channel bandwidth: 10MHz					
Frequency	СН	Peak-to-Average Ratio (dB) Frequency		СН	Peak-to-Average Ratio (dB)					
(MHz)		16QAM	LIMIT	(MHz)		16QAM	LIMIT			
2502.5	20775	5.64	13	2505.0	20800	5.88	13			
2535.0	21100	5.69	13	2535.0	21100	5.82	13			
2567.5	21425	5.65	13	2565.0	21400	5.88	13			



Page: 655 of 725

			LTE I	BAND 7				
Chai	Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency	СН	Peak-to-Average Ratio (dB)		Frequency	СН	Peak-to-Average Ratio (dB)		
(MHz)		16QAM	LIMIT	(MHz)		16QAM	LIMIT	
2507.5	20425	6.53	13	2510.0	20850	6.99	13	
2535.0	20525	6.54	13	2535.0	21100	7.01	13	
2562.5	20625	6.47	13	2560.0	21350	6.97	13	

	LTE BAND 12									
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz						
Frequency CH		Peak-to-Average Ratio (dB)		Frequency	СН	Peak-to-Average Ratio (dB)				
(MHz)		16QAM	LIMIT	(MHz)		16QAM	LIMIT			
699.7	23017	6.00	13	700.5	23025	5.58	13			
707.5	23095	6.09	13	707.5	23095	6.10	13			
715.3	23173	5.65	13	714.5	23165	5.47	13			

	LTE BAND 12										
Cha	innel ba	ndwidth: 5	ИНz	Chai	Channel bandwidth: 10MHz						
Frequency	СН	Peak-to-Average Ratio (dB)		Frequency	СН	Peak-to-Average Ratio (dB)					
(MHz)		16QAM	LIMIT	(MHz)		16QAM	LIMIT				
701.5	23035	5.79	13	704.0	23060	6.06	13				
707.5	23095	6.19	13	707.5	23095	6.17	13				
713.5	23155	5.74	13	711.0	23130	5.88	13				

台灣檢驗科技股份有限公司



Page: 656 of 725

Cha	ınnel ba	ndwidth: 5I		SAND 13 Cha	nnel ban	dwidth: 10N	ИНz
Frequency	СН	Peak-to-Average Ratio (dB)		Frequency	СН	Peak-to-Average Ratio (dB)	
(MHz)		16QAM	LIMIT	(MHz)		16QAM	LIMIT
779.5	23205	5.83	13				
782.0	23230	5.77	13	782.0	23230	5.81	13
784.5	23255	5.88	13				

			LTE B	SAND 30			
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency	СН	Peak-to-Average Ratio (dB)		Frequency	СН	Peak-to-Average Ratio (dB)	
(MHz)		16QAM	LIMIT	(MHz)		16QAM	LIMIT
2307.5	27685	5.47	13				
2310.0	27710	5.41	13	2310.0	27710	5.64	13
2312.5	27735	5.38	13				

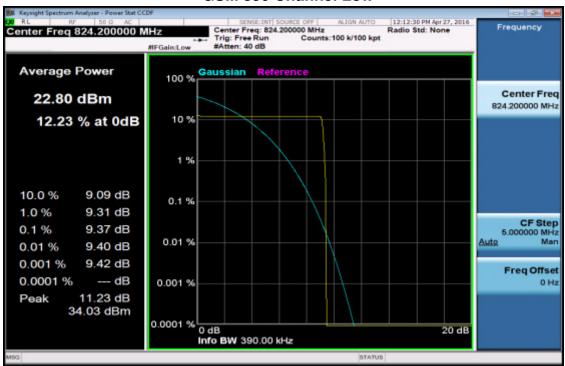
t (886-2) 2299-3279



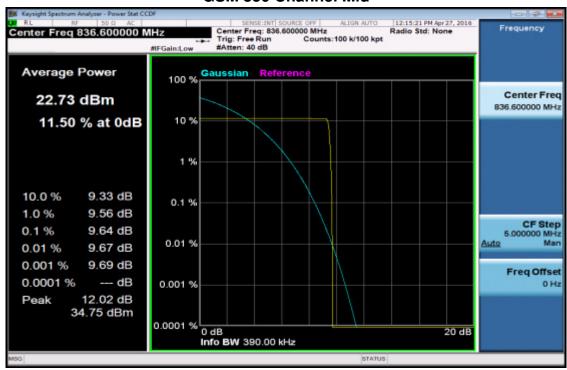
Page: 657 of 725

Measurement Results:

GSM 850 Channel Low



GSM 850 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.

Onless otherwise stated the results shown in this test report relear only to the sample(s) tested and such as a few forms and the sample shows are retained to 90 days only.

Rep 37 就明,此報告结果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

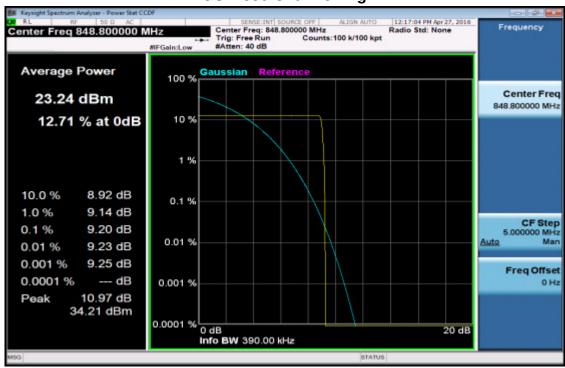
f (886-2) 2298-0488

www.tw.sqs.com

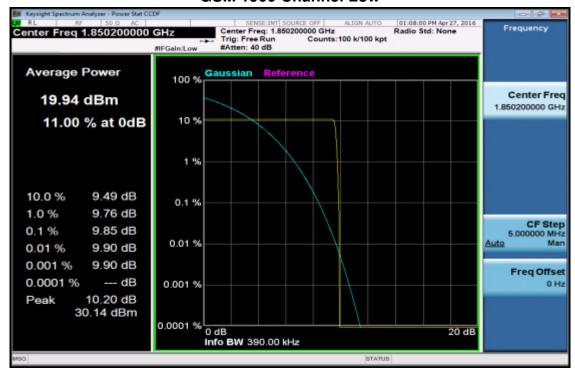


Page: 658 of 725

GSM 850 Channel High



GSM 1900 Channel Low



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,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 www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content 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,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

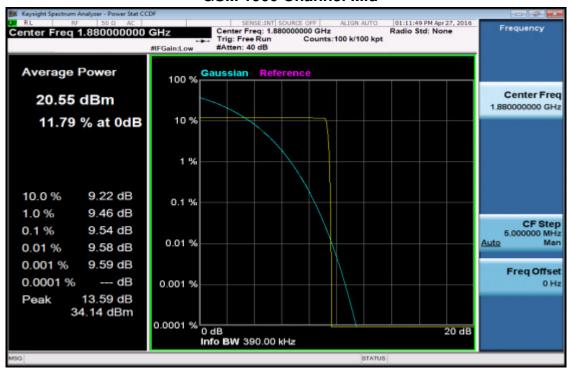
台灣檢驗科技股份有限公司

t (886-2) 2299-3279

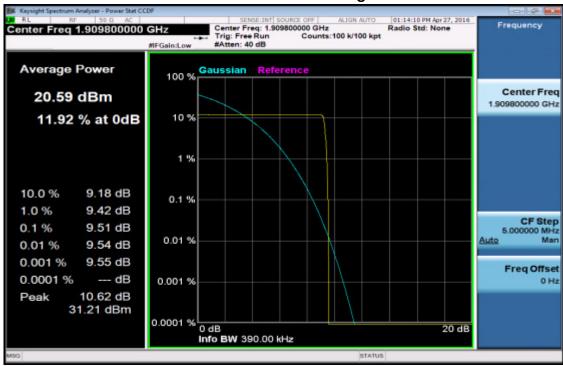


Page: 659 of 725

GSM 1900 Channel Mid



GSM 1900 Channel High



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,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 www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content 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

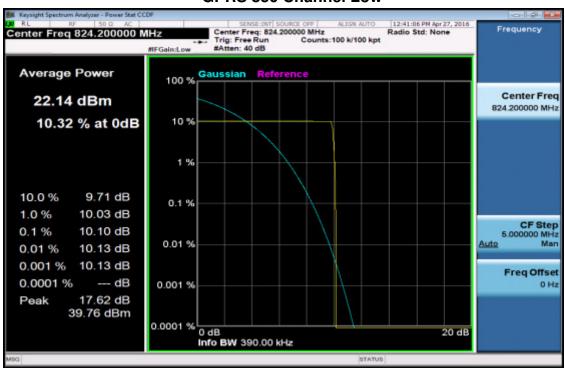
No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 GS Taiwan Ltd.

台灣檢驗科技股份有限公司

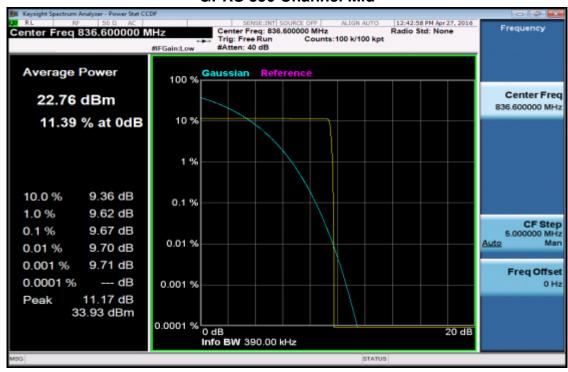


Page: 660 of 725

GPRS 850 Channel Low



GPRS 850 Channel Mid



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

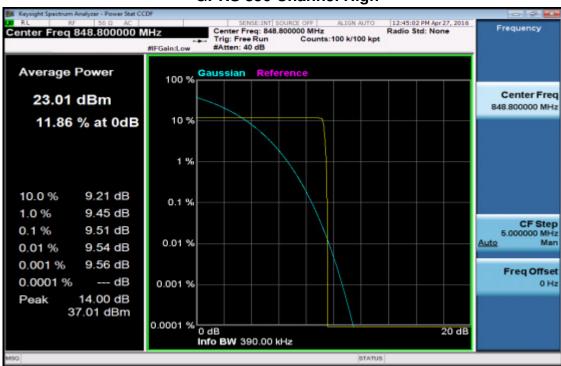
No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

台灣檢驗科技股份有限公司

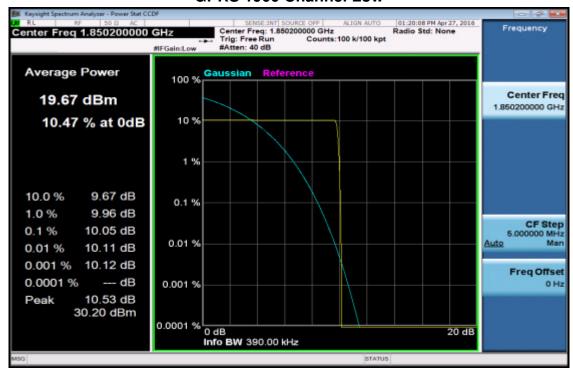


Page: 661 of 725

GPRS 850 Channel High



GPRS 1900 Channel Low



t (886-2) 2299-3279

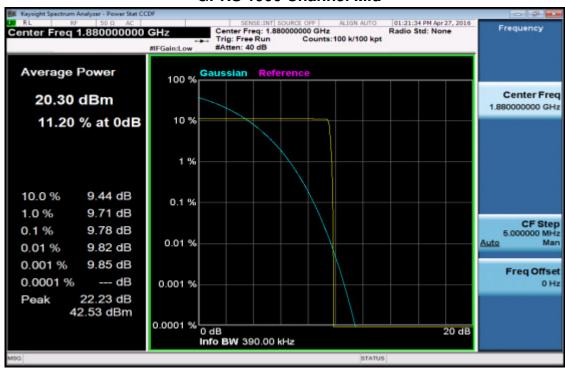
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content 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,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.



Page: 662 of 725

GPRS 1900 Channel Mid



GPRS 1900 Channel High



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,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 www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content 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

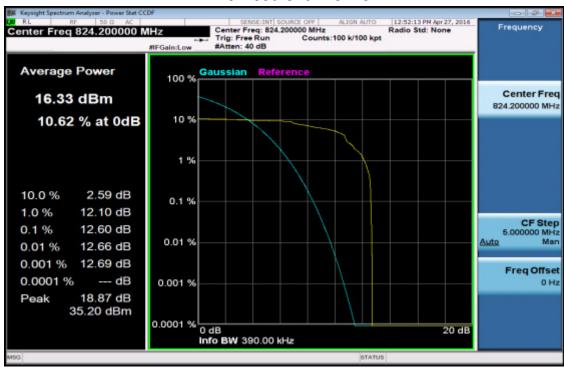
No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

台灣檢驗科技股份有限公司

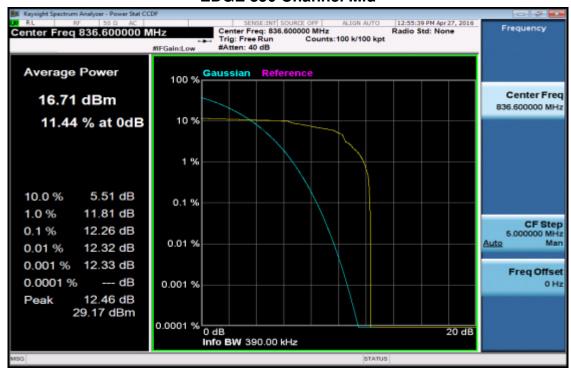


Page: 663 of 725

EDGE 850 Channel Low



EDGE 850 Channel Mid



t (886-2) 2299-3279

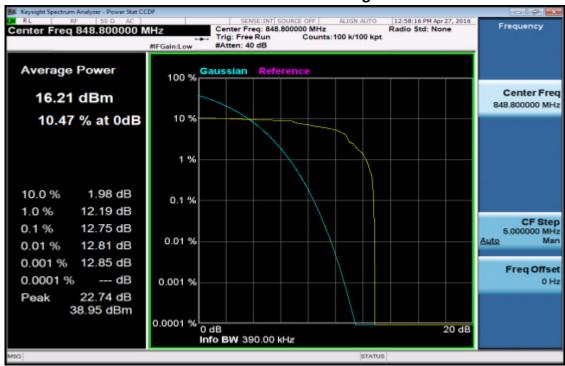
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content 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,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

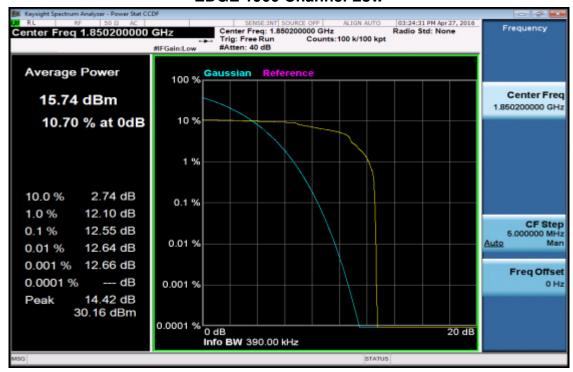


Page: 664 of 725

EDGE 850 Channel High



EDGE 1900 Channel Low



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,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 www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content 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

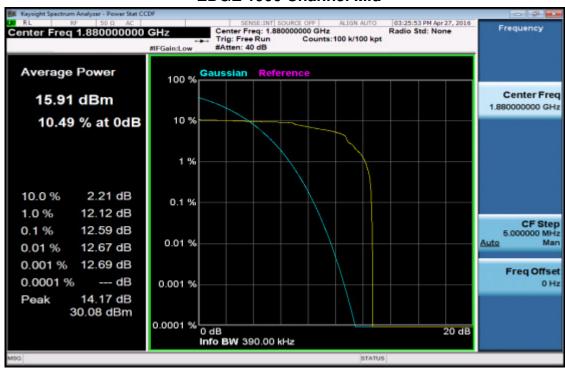
No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 GS Taiwan Ltd.

t (886-2) 2299-3279

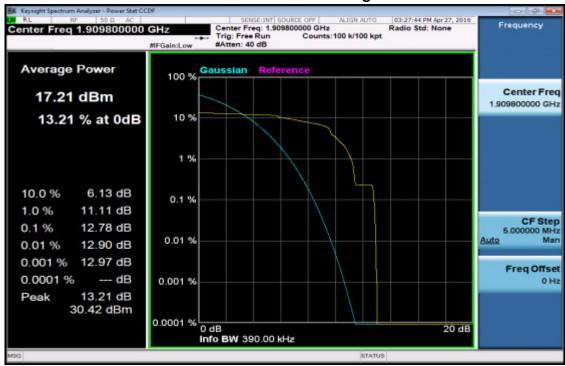


Page: 665 of 725

EDGE 1900 Channel Mid



EDGE 1900 Channel High



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 www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content 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,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

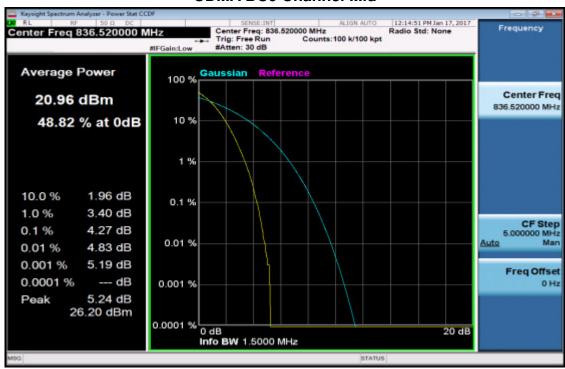


Page: 666 of 725

CDMA BC0 Channel Low



CDMA BC0 Channel Mid



t (886-2) 2299-3279

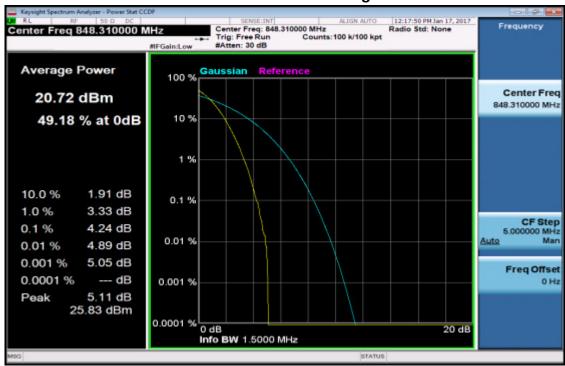
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content 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,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

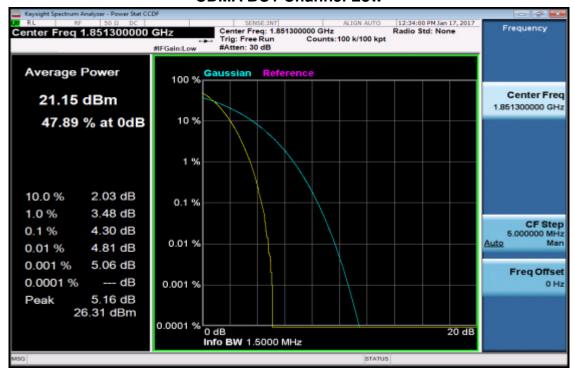


Page: 667 of 725

CDMA BC0 Channel High



CDMA BC1 Channel Low



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

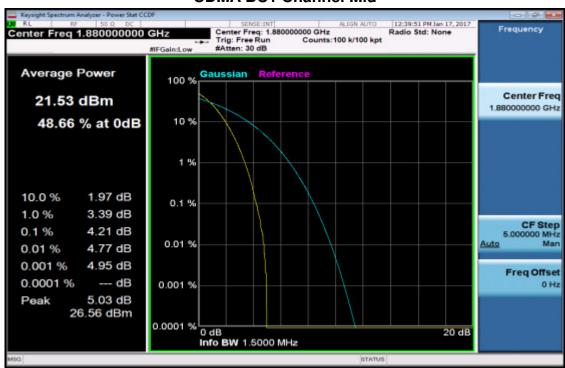
f (886-2) 2298-0488

www.tw.sqs.com

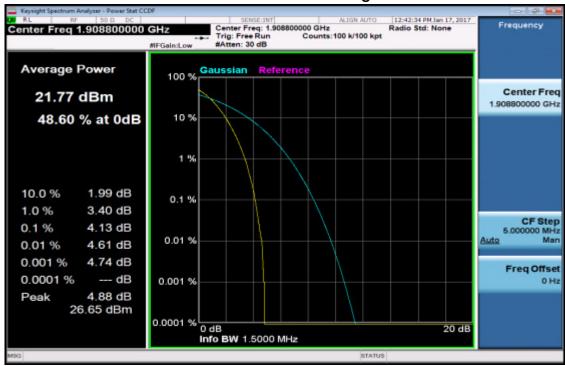


Page: 668 of 725

CDMA BC1 Channel Mid



CDMA BC1 Channel High



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 www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content 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,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 GS Taiwan Ltd.

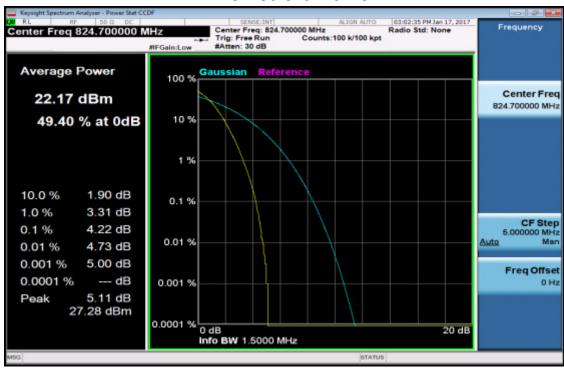
台灣檢驗科技股份有限公司

www.tw.sqs.com

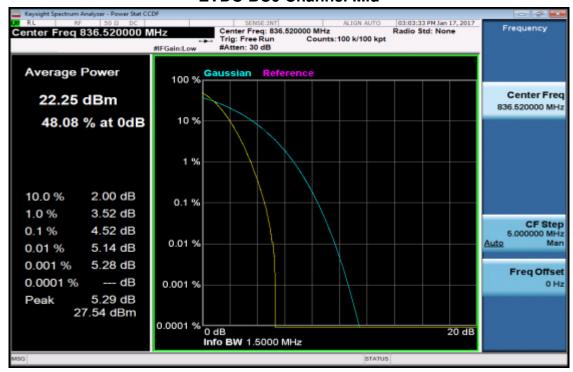


Page: 669 of 725

EVDO BC0 Channel Low



EVDO BC0 Channel Mid



t (886-2) 2299-3279

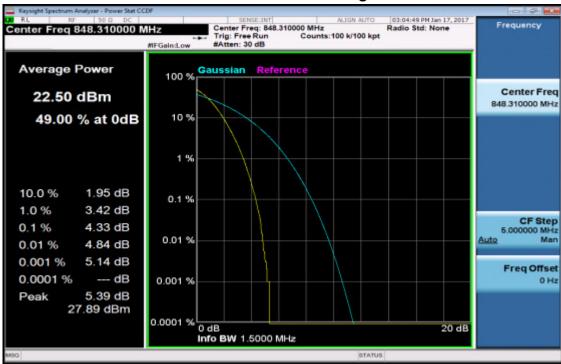
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content 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,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

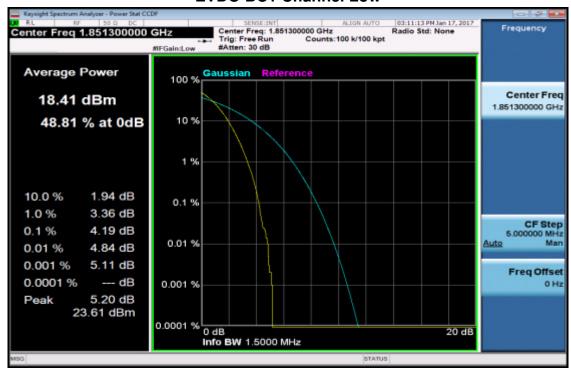


Page: 670 of 725

EVDO BC0 Channel High



EVDO BC1 Channel Low



t (886-2) 2299-3279

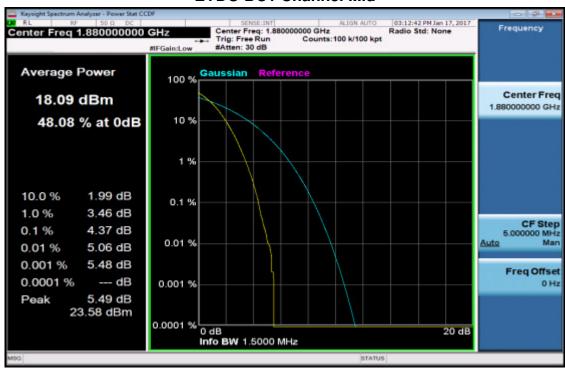
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content 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,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 GS Taiwan Ltd.

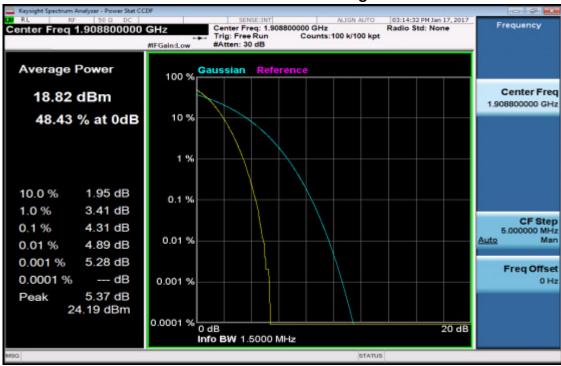


Page: 671 of 725

EVDO BC1 Channel Mid



EVDO BC1 Channel High



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,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 www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content 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,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 GS Taiwan Ltd.

台灣檢驗科技股份有限公司

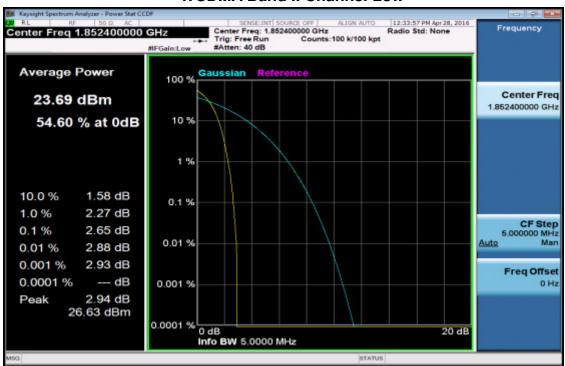
t (886-2) 2299-3279

www.tw.sqs.com

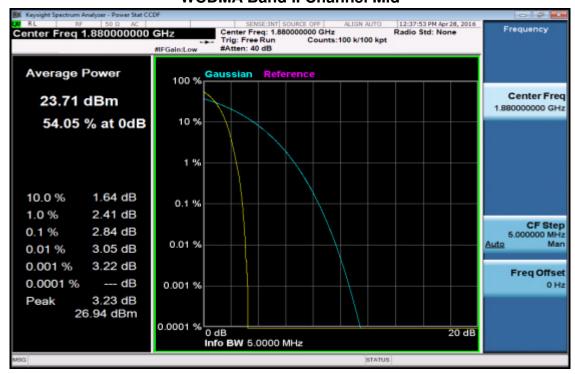


Page: 672 of 725

WCDMA Band II Channel Low



WCDMA Band II Channel Mid



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

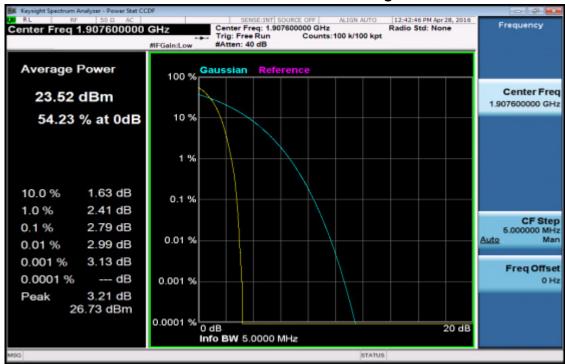
SGS Taiwan Ltd. No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

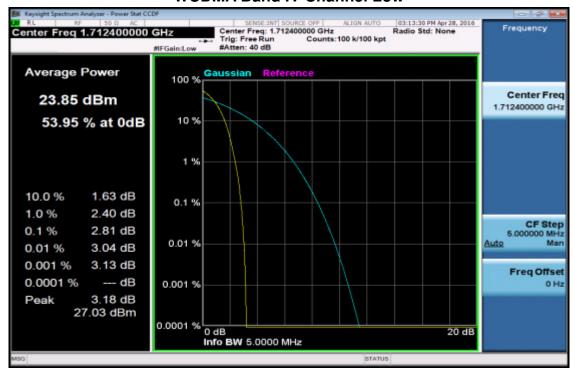


Page: 673 of 725

WCDMA Band II Channel High



WCDMA Band IV Channel Low



t (886-2) 2299-3279

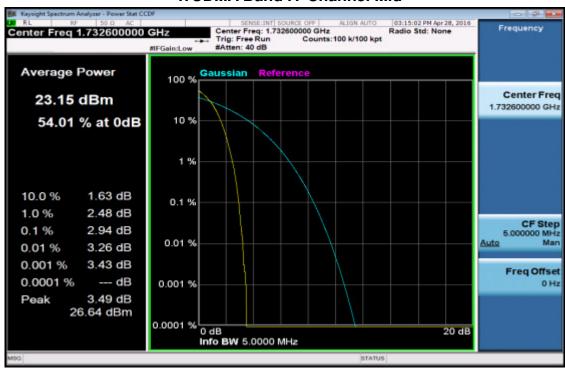
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content 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,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 GS Taiwan Ltd.

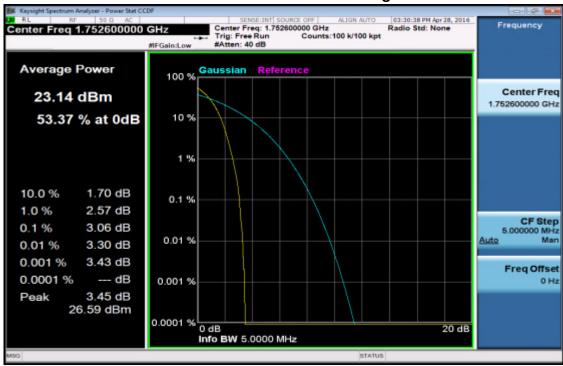


Page: 674 of 725

WCDMA Band IV Channel Mid



WCDMA Band IV Channel High



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,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 www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content 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.

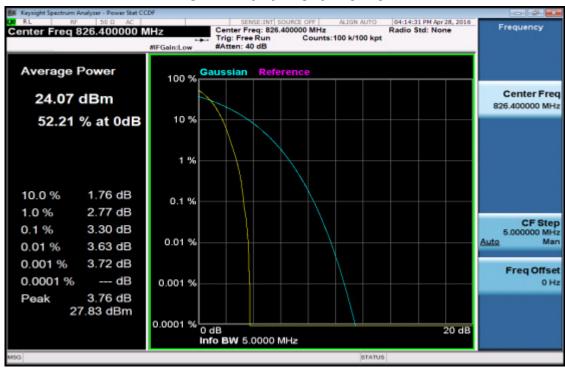
SGS Taiwan Ltd. No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

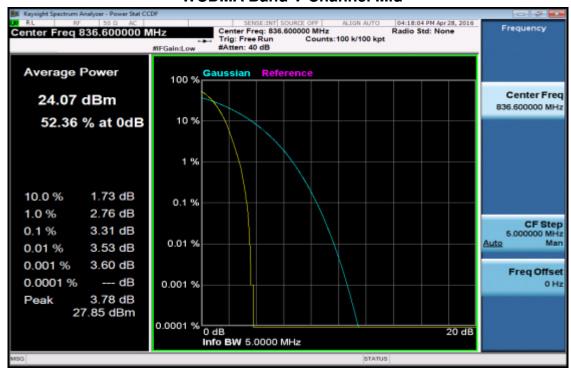


Page: 675 of 725

WCDMA Band V Channel Low



WCDMA Band V Channel Mid



t (886-2) 2299-3279

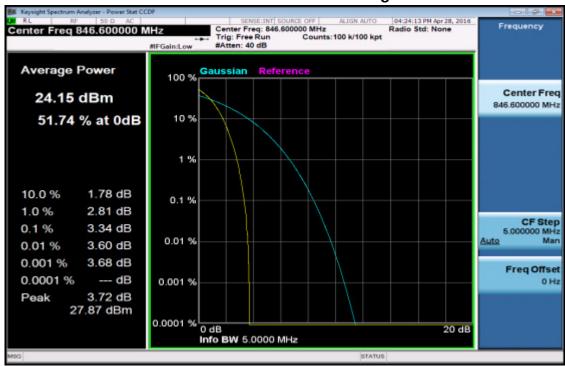
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

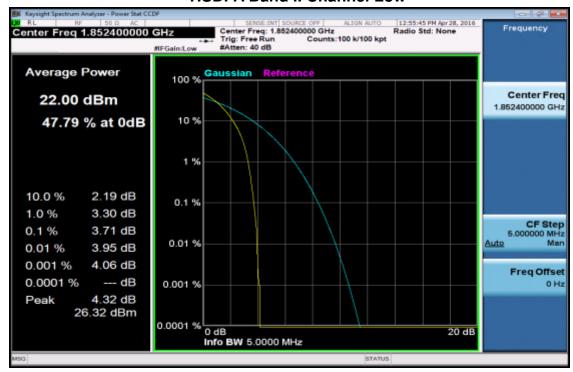


Page: 676 of 725

WCDMA Band V Channel High



HSDPA Band II Channel Low



t (886-2) 2299-3279

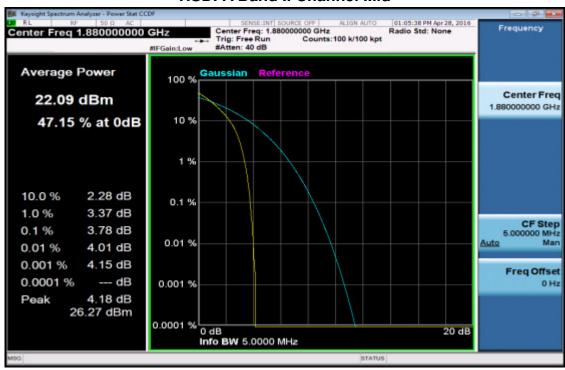
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content 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,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

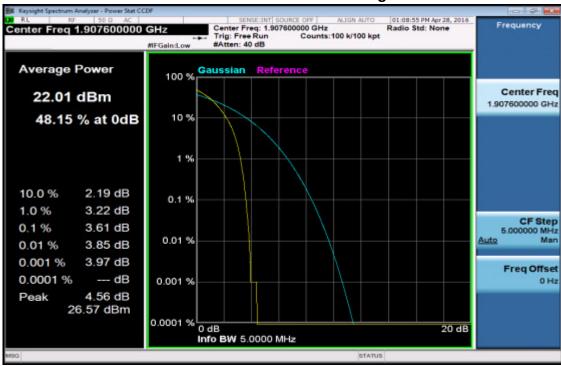


Page: 677 of 725

HSDPA Band II Channel Mid



HSDPA Band II Channel High



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,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 www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content 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

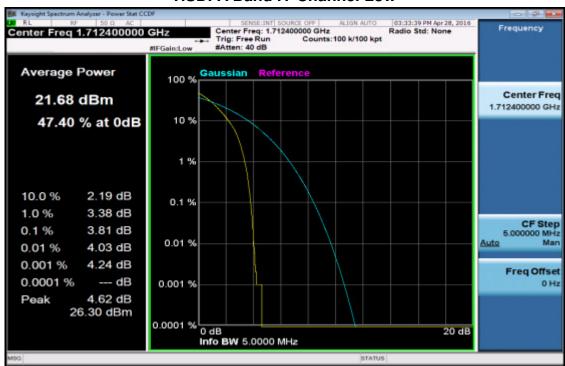
No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

t (886-2) 2299-3279

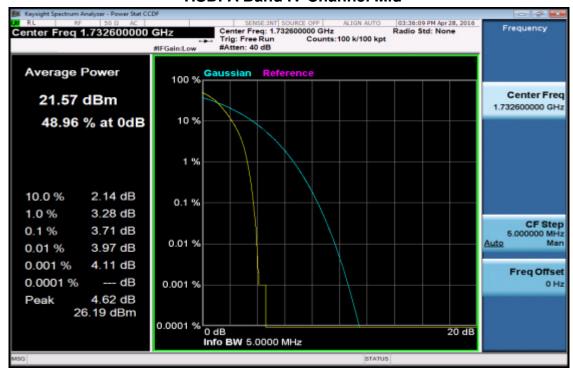


Page: 678 of 725

HSDPA Band IV Channel Low



HSDPA Band IV Channel Mid



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 www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content 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,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

台灣檢驗科技股份有限公司

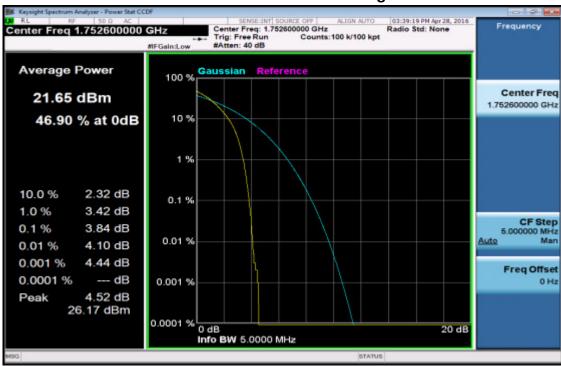
f (886-2) 2298-0488

www.tw.sqs.com

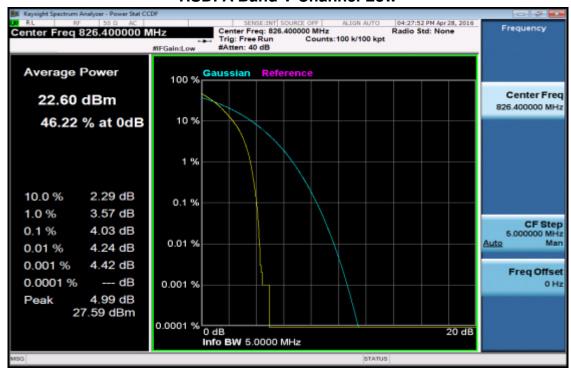


Page: 679 of 725

HSDPA Band IV Channel High



HSDPA Band V Channel Low



t (886-2) 2299-3279

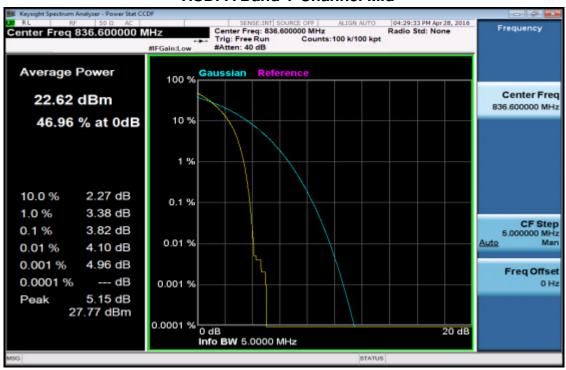
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content 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,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

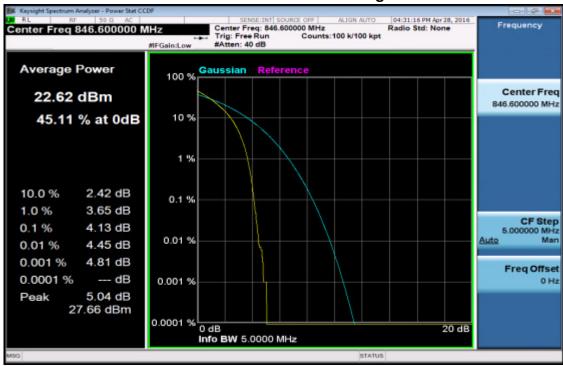


Page: 680 of 725

HSDPA Band V Channel Mid



HSDPA Band V Channel High



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,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 www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content 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

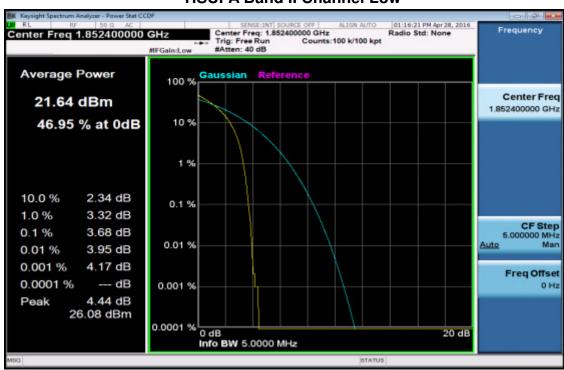
No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

t (886-2) 2299-3279

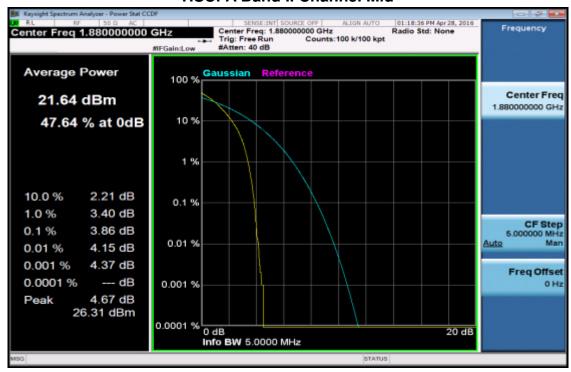


Page: 681 of 725

HSUPA Band II Channel Low



HSUPA Band II Channel Mid



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可都份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content 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,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

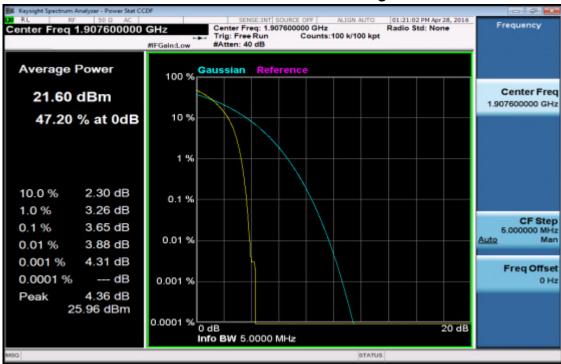
台灣檢驗科技股份有限公司

t (886-2) 2299-3279

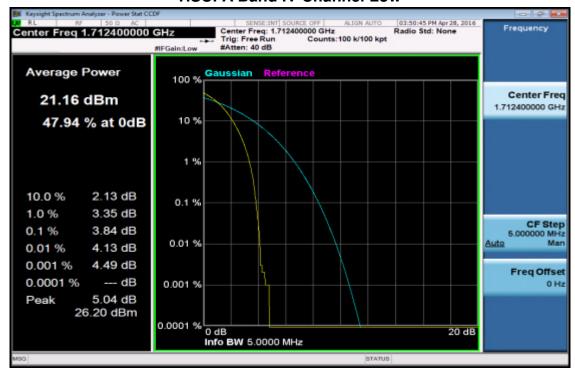


Page: 682 of 725

HSUPA Band II Channel High



HSUPA Band IV Channel Low



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,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 www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content 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,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 GS Taiwan Ltd.

台灣檢驗科技股份有限公司

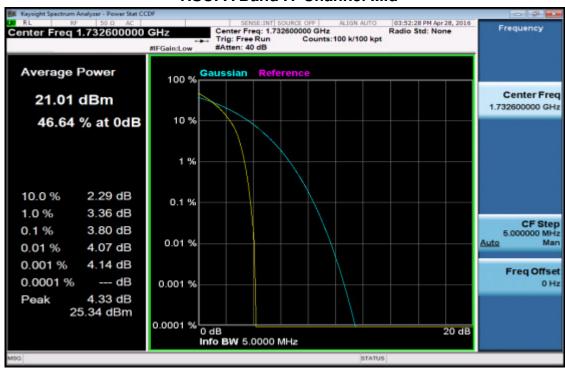
f (886-2) 2298-0488

www.tw.sqs.com

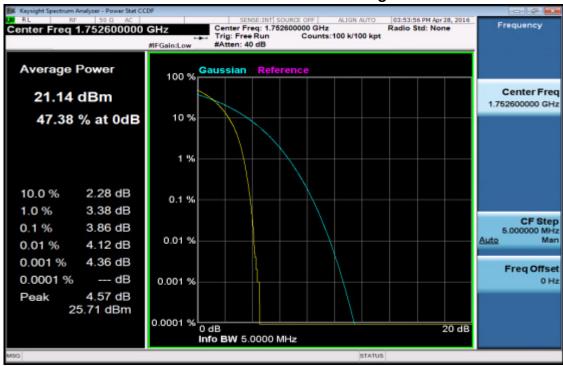


Page: 683 of 725

HSUPA Band IV Channel Mid



HSUPA Band IV Channel High



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,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 www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content 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

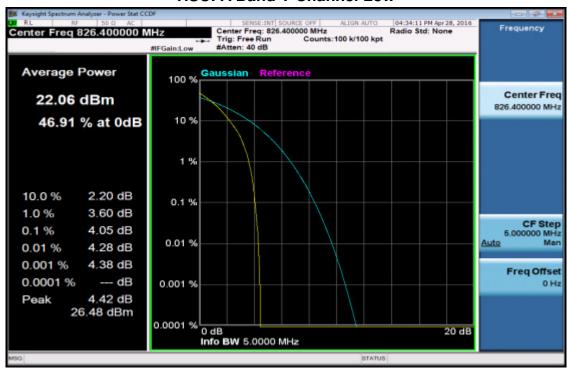
No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

t (886-2) 2299-3279

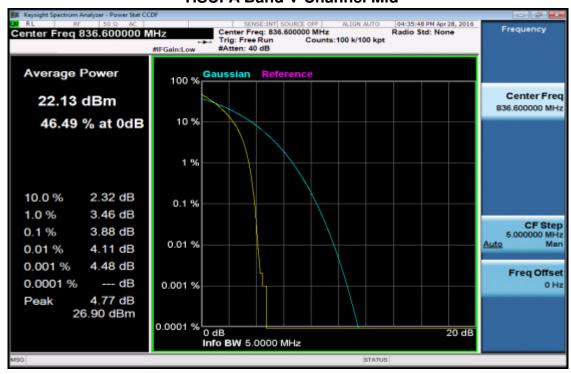


Page: 684 of 725

HSUPA Band V Channel Low



HSUPA Band V Channel Mid



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 www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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 SGS Taiwan Ltd.

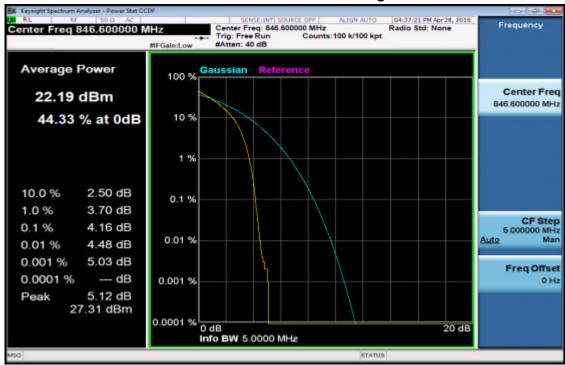
台灣檢驗科技股份有限公司

www.tw.sqs.com

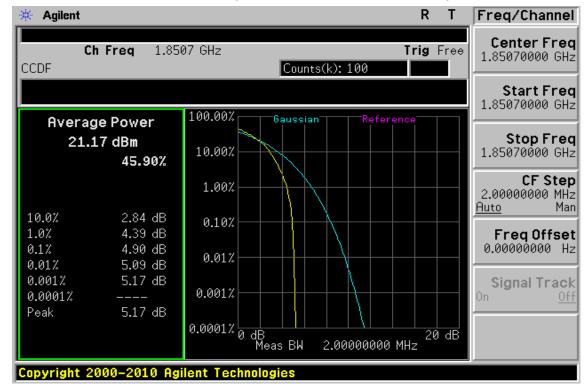


Page: 685 of 725

HSUPA Band V Channel High



1.4MHz BW LTE-Band 2(16QAM Number: 6 Offset: 0) Channel Low



Unless otherwise stated 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 relearning to the sample(s) tested and such sample(s) are retained to 90 days only.
Fix f a six if it is a state of the sample state and such samples 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.



Page: 686 of 725

1.4MHz BW LTE-Band 2(16QAM Number: 6 Offset: 0) Channel Mid



1.4MHz BW LTE-Band 2(16QAM Number: 6 Offset: 0) Channel High



Unless otherwise stated 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.

台灣檢驗科技股份有限公司

www.tw.sqs.com

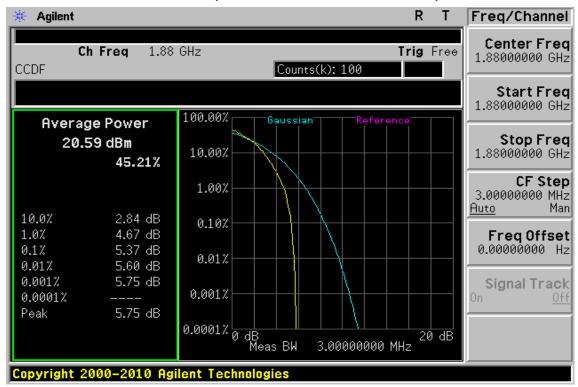


Page: 687 of 725

3MHz BW LTE-Band 2(16QAM Number: 15 Offset: 0) Channel Low



3MHz BW LTE-Band 2(16QAM Number: 15 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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279



Page: 688 of 725

3MHz BW LTE-Band 2(16QAM Number: 15 Offset: 0) Channel High



5MHz BW LTE-Band 2(16QAM Number: 25 Offset: 0) Channel Low



Unless otherwise stated 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.

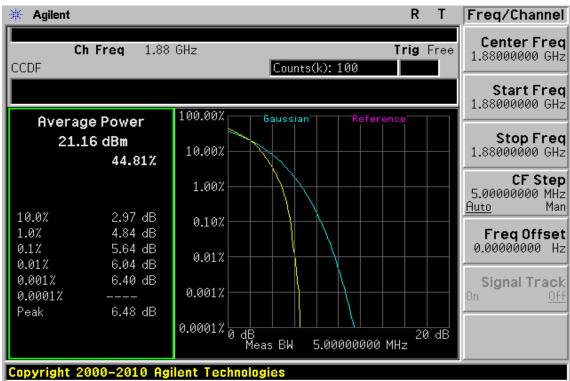
No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

S Taiwan Ltd.



Page: 689 of 725

5MHz BW LTE-Band 2(16QAM Number: 25 Offset: 0) Channel Mid



5MHz BW LTE-Band 2(16QAM Number: 25 Offset: 0) Channel High



Unless otherwise stated 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.

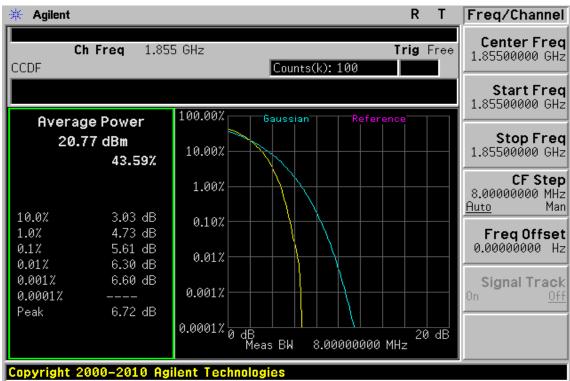
No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 S Taiwan Ltd.

台灣檢驗科技股份有限公司



Page: 690 of 725

10MHz BW LTE-Band 2(16QAM Number: 50 Offset: 0) Channel Low



10MHz BW LTE-Band 2(16QAM 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.

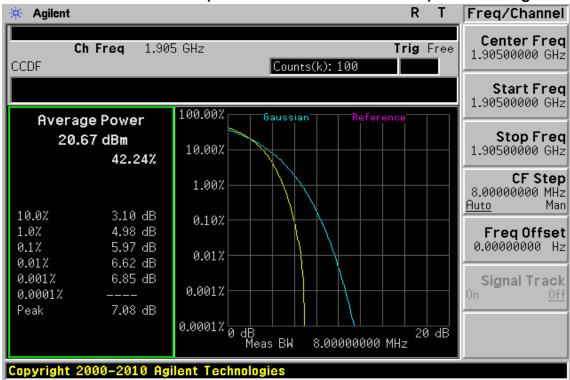
Unless otherwise stated the results shown in this test report relear only to the sample(s) tested and such sample(s) are retained for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report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

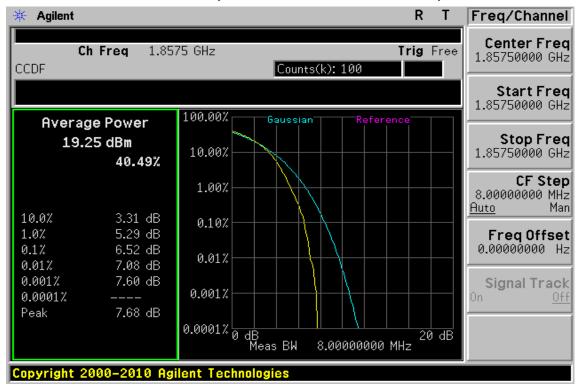


Page: 691 of 725

10MHz BW LTE-Band 2(16QAM Number: 50 Offset: 0) Channel High



15MHz BW LTE-Band 2(16QAM Number: 75 Offset: 0) Channel Low



Unless otherwise stated 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

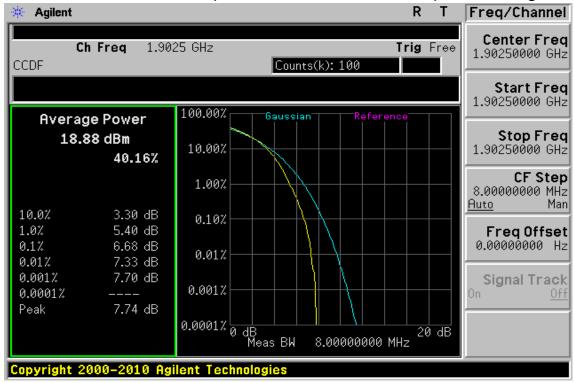


Page: 692 of 725

15MHz BW LTE-Band 2(16QAM Number: 75 Offset: 0) Channel Mid



15MHz BW LTE-Band 2(16QAM Number: 75 Offset: 0) Channel High



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

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: 693 of 725

20MHz BW LTE-Band 2(16QAM Number: 100 Offset: 0) Channel Low



20MHz BW LTE-Band 2(16QAM Number: 100 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

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

台灣檢驗科技股份有限公司

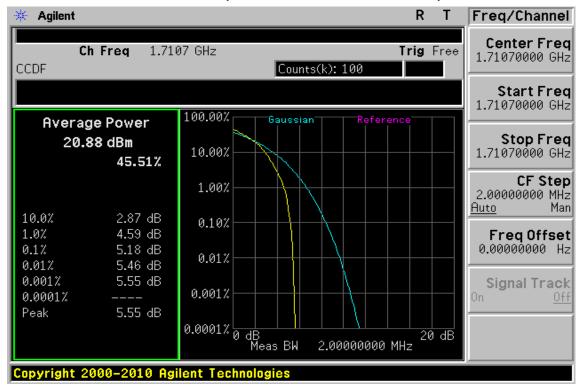


Page: 694 of 725

20MHz BW LTE-Band 2(16QAM Number: 100 Offset: 0) Channel High



1.4MHz BW LTE-Band 4(16QAM Number: 6 Offset: 0) Channel Low



Unless otherwise stated 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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279



Page: 695 of 725

1.4MHz BW LTE-Band 4(16QAM Number: 6 Offset: 0) Channel Mid



1.4MHz BW LTE-Band 4(16QAM Number: 6 Offset: 0) Channel High



Unless otherwise stated 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

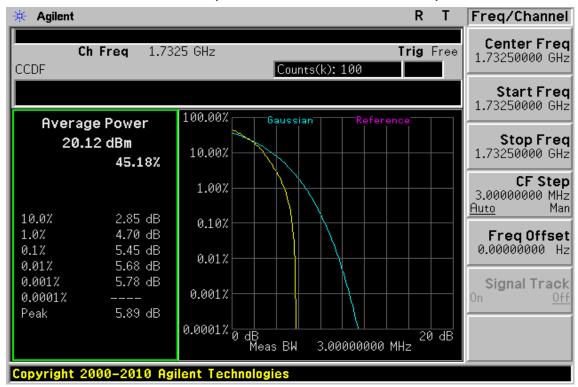


Page: 696 of 725

3MHz BW LTE-Band 4(16QAM Number: 15 Offset: 0) Channel Low



3MHz BW LTE-Band 4(16QAM Number: 15 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.

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

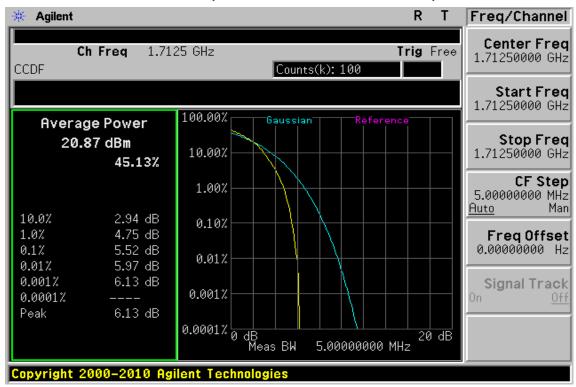


Page: 697 of 725

3MHz BW LTE-Band 4(16QAM Number: 15 Offset: 0) Channel High



5MHz BW LTE-Band 4(16QAM Number: 25 Offset: 0) Channel Low



Unless otherwise stated 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.



Page: 698 of 725

5MHz BW LTE-Band 4(16QAM Number: 25 Offset: 0) Channel Mid



5MHz BW LTE-Band 4(16QAM Number: 25 Offset: 0) Channel High



Unless otherwise stated 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.



Page: 699 of 725

10MHz BW LTE-Band 4(16QAM Number: 50 Offset: 0) Channel Low



10MHz BW LTE-Band 4(16QAM 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.

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

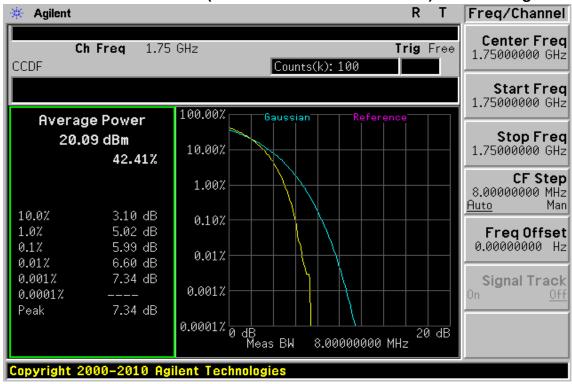
document is unlawful and offenders may be prosecuted to the fullest extent of the law. S Taiwan Ltd. No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司



Page: 700 of 725

10MHz BW LTE-Band 4(16QAM Number: 50 Offset: 0) Channel High



15MHz BW LTE-Band 4(16QAM Number: 75 Offset: 0) Channel Low



Unless otherwise stated 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



Page: 701 of 725

15MHz BW LTE-Band 4(16QAM Number: 75 Offset: 0) Channel Mid



15MHz BW LTE-Band 4(16QAM Number: 75 Offset: 0) Channel High



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 www.sqs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content of this developed to the fullest content of the full of the second of the content of the full 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

台灣檢驗科技股份有限公司



Page: 702 of 725

20MHz BW LTE-Band 4(16QAM Number: 100 Offset: 0) Channel Low



20MHz BW LTE-Band 4(16QAM Number: 100 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

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

台灣檢驗科技股份有限公司

www.tw.sqs.com

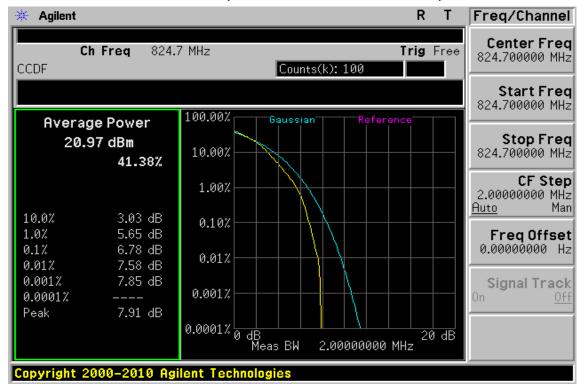


Page: 703 of 725

20MHz BW LTE-Band 4(16QAM Number: 100 Offset: 0) Channel High



1.4MHz BW LTE-Band 5(16QAM Number: 6 Offset: 0) Channel Low



Unless otherwise stated 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,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

www.tw.sqs.com



Page: 704 of 725

1.4MHz BW LTE-Band 5(16QAM Number: 6 Offset: 0) Channel Mid



1.4MHz BW LTE-Band 5(16QAM Number: 6 Offset: 0) Channel High



Unless otherwise stated 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,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: 705 of 725

3MHz BW LTE-Band 5(16QAM Number: 15 Offset: 0) Channel Low



3MHz BW LTE-Band 5(16QAM Number: 15 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

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

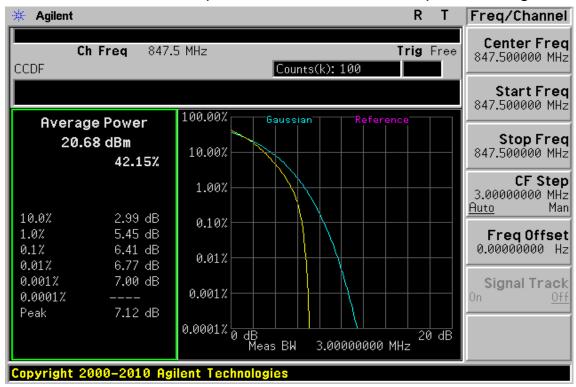
台灣檢驗科技股份有限公司

t (886-2) 2299-3279



Page: 706 of 725

3MHz BW LTE-Band 5(16QAM Number: 15 Offset: 0) Channel High



5MHz BW LTE-Band 5(16QAM Number: 25 Offset: 0) Channel Low



Unless otherwise stated 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.



Page: 707 of 725

5MHz BW LTE-Band 5(16QAM Number: 25 Offset: 0) Channel Mid



5MHz BW LTE-Band 5(16QAM Number: 25 Offset: 0) Channel High



Unless otherwise stated 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,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: 708 of 725

10MHz BW LTE-Band 5(16QAM Number: 50 Offset: 0) Channel Low



10MHz BW LTE-Band 5(16QAM 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.

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

台灣檢驗科技股份有限公司

f (886-2) 2298-0488

www.tw.sqs.com

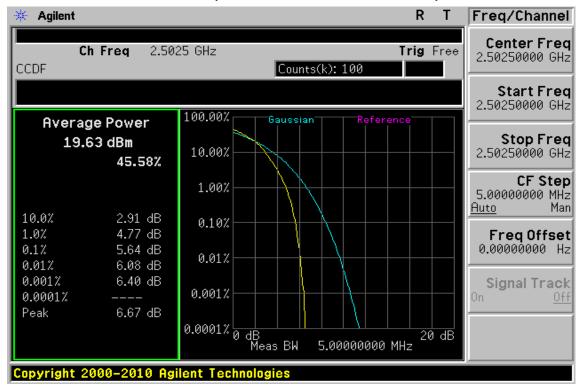


Page: 709 of 725

10MHz BW LTE-Band 5(16QAM Number: 50 Offset: 0) Channel High



5MHz BW LTE-Band 7(16QAM Number: 25 Offset: 0) Channel Low



Unless otherwise stated 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,NewTaipeilndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

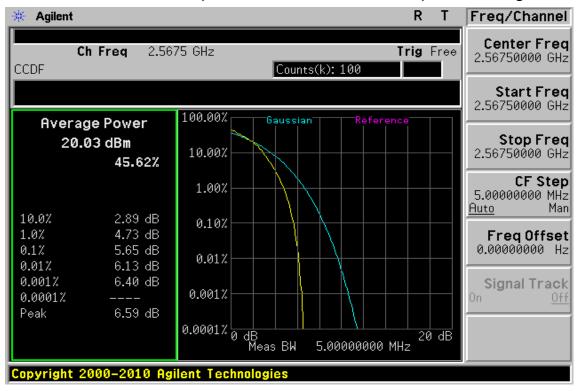


Page: 710 of 725

5MHz BW LTE-Band 7(16QAM Number: 25 Offset: 0) Channel Mid



5MHz BW LTE-Band 7(16QAM Number: 25 Offset: 0) Channel High



Unless otherwise stated 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,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

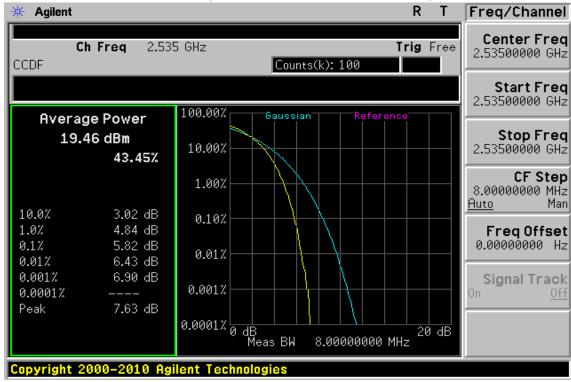


Page: 711 of 725

10MHz BW LTE-Band 7(16QAM Number: 50 Offset: 0) Channel Low



10MHz BW LTE-Band 7(16QAM 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.

Unless otherwise stated the results shown in this test report relearning to the sample(s) tested and such sample(s) are retained to 90 days only.
Fix f a six if it is a state of the sample state and such samples 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: 712 of 725

10MHz BW LTE-Band 7(16QAM Number: 50 Offset: 0) Channel High



15MHz BW LTE-Band 7(16QAM Number: 75 Offset: 0) Channel Low



Unless otherwise stated 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,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

f (886-2) 2298-0488

www.tw.sqs.com

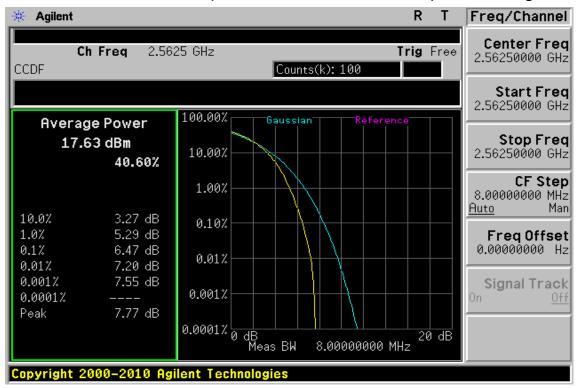


Page: 713 of 725

15MHz BW LTE-Band 7(16QAM Number: 75 Offset: 0) Channel Mid



15MHz BW LTE-Band 7(16QAM Number: 75 Offset: 0) Channel High



Unless otherwise stated 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,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號



Page: 714 of 725

20MHz BW LTE-Band 7(16QAM Number: 100 Offset: 0) Channel Low



20MHz BW LTE-Band 7(16QAM Number: 100 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 relearning to the sample(s) tested and such sample(s) are retained to 90 days only.
Fix f a six if it is a state of the sample state and such samples document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279 f (886-2) 2298-0488 www.tw.sgs.com

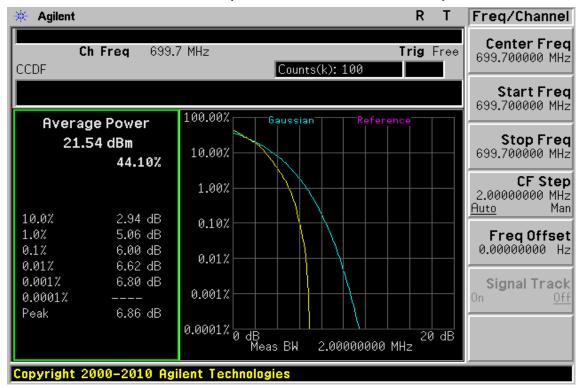


Page: 715 of 725

20MHz BW LTE-Band 7(16QAM Number: 100 Offset: 0) Channel High



1.4MHz BW LTE-Band 12(16QAM Number: 6 Offset: 0) Channel Low



Unless otherwise stated 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.

台灣檢驗科技股份有限公司



Page: 716 of 725

1.4MHz BW LTE-Band 12(16QAM Number: 6 Offset: 0) Channel Mid



1.4MHz BW LTE-Band 12(16QAM Number: 6 Offset: 0) Channel High



Unless otherwise stated 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,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

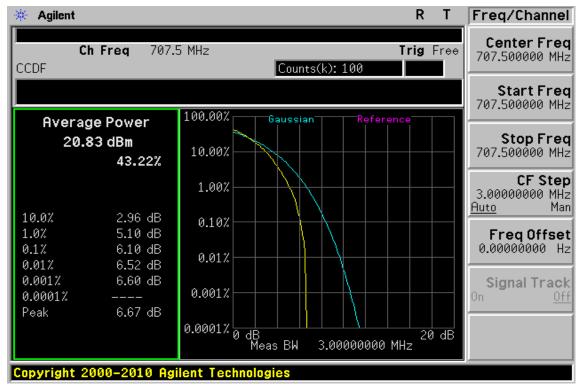


Page: 717 of 725

3MHz BW LTE-Band 12(16QAM Number: 15 Offset: 0) Channel Low



3MHz BW LTE-Band 12(16QAM Number: 15 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: 718 of 725

3MHz BW LTE-Band 12(16QAM Number: 15 Offset: 0) Channel High



5MHz BW LTE-Band 12(16QAM Number: 25 Offset: 0) Channel Low



Unless otherwise stated 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

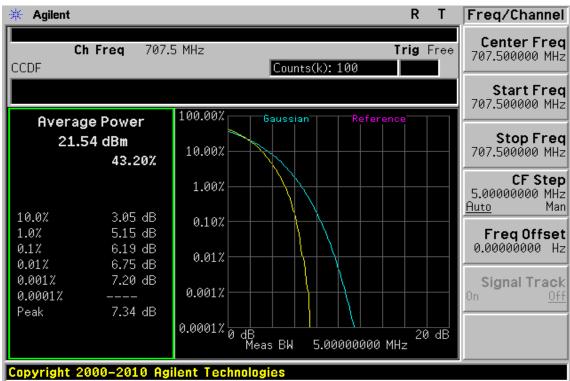
台灣檢驗科技股份有限公司

t (886-2) 2299-3279



Page: 719 of 725

5MHz BW LTE-Band 12(16QAM Number: 25 Offset: 0) Channel Mid



5MHz BW LTE-Band 12(16QAM Number: 25 Offset: 0) Channel High



Unless otherwise stated 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,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號



Page: 720 of 725

10MHz BW LTE-Band 12(16QAM Number: 50 Offset: 0) Channel Low



10MHz BW LTE-Band 12(16QAM 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.

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

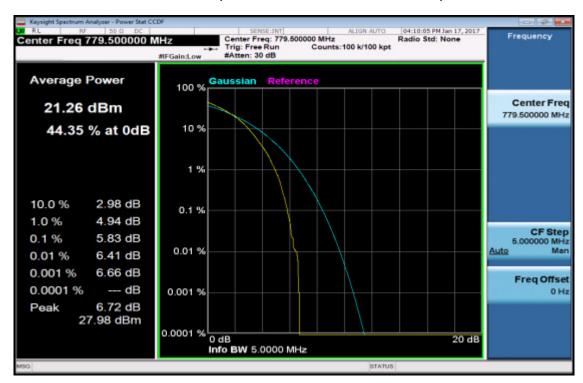


Page: 721 of 725

10MHz BW LTE-Band 12(16QAM Number: 50 Offset: 0) Channel High



5MHz BW LTE-Band 13 (16QAM Number: 25 Offset: 0) Channel Low



Unless otherwise stated 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 relearning to the sample(s) tested and such sample(s) are retained to 90 days only.
Fix f a six if it is a state of the sample state and such samples 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

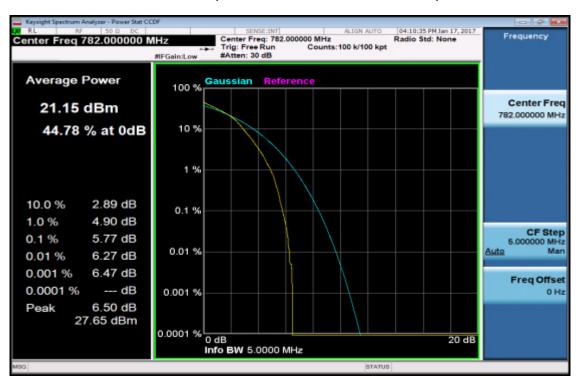
台灣檢驗科技股份有限公司

www.tw.sqs.com

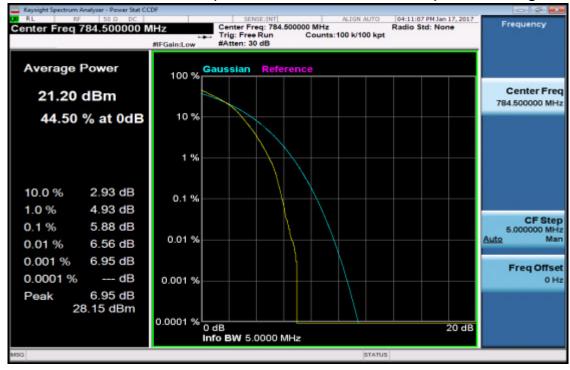


Page: 722 of 725

5MHz BW LTE-Band 13(16QAM Number: 25 Offset: 0) Channel Mid



5MHz BW LTE-Band 13(16QAM Number: 25 Offset: 0) Channel High



Unless otherwise stated 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 relearning to the sample(s) tested and such sample(s) are retained to 90 days only.
Fix f a six if it is a state of the sample state and such samples document is unlawful and offenders may be prosecuted to the fullest extent of the law.

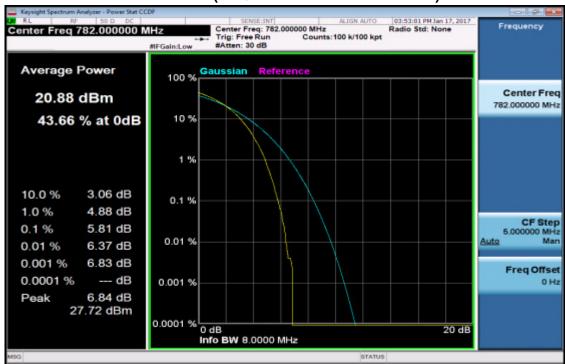
SGS Taiwan Ltd. No.134,WuKungRoad,NewTaipeilndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

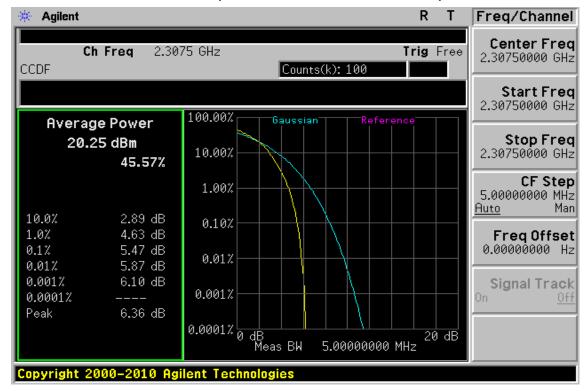


Page: 723 of 725

10MHz BW LTE-Band 13(16QAM Number: 50 Offset: 0) Channel Mid



5MHz BW LTE-Band 30(16QAM Number: 25 Offset: 0) Channel Low



Unless otherwise stated 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

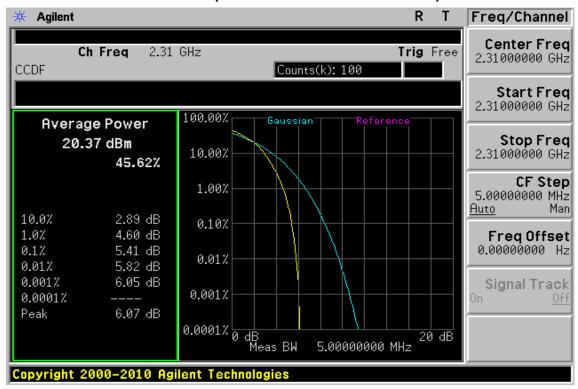
台灣檢驗科技股份有限公司

t (886-2) 2299-3279



Page: 724 of 725

5MHz BW LTE-Band 30(16QAM Number: 25 Offset: 0) Channel Mid



5MHz BW LTE-Band 30(16QAM Number: 25 Offset: 0) Channel High



Unless otherwise stated 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

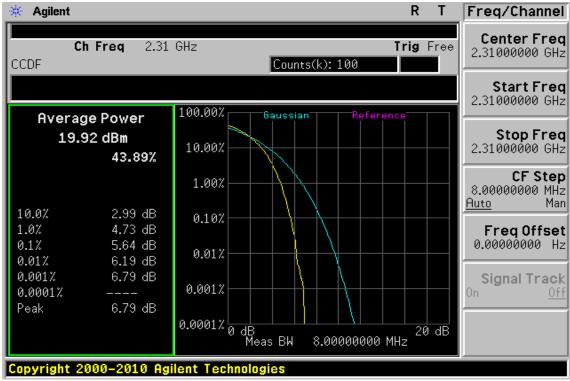
Unless otherwise stated the results shown in this test report relear only to the sample(s) tested and such sample(s) are retained for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report relearned for 90 days only. Fix and shown in this test report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



Page: 725 of 725

10MHz BW LTE-Band 30(16QAM Number: 50 Offset: 0) Channel Mid



~ End of Report ~

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

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