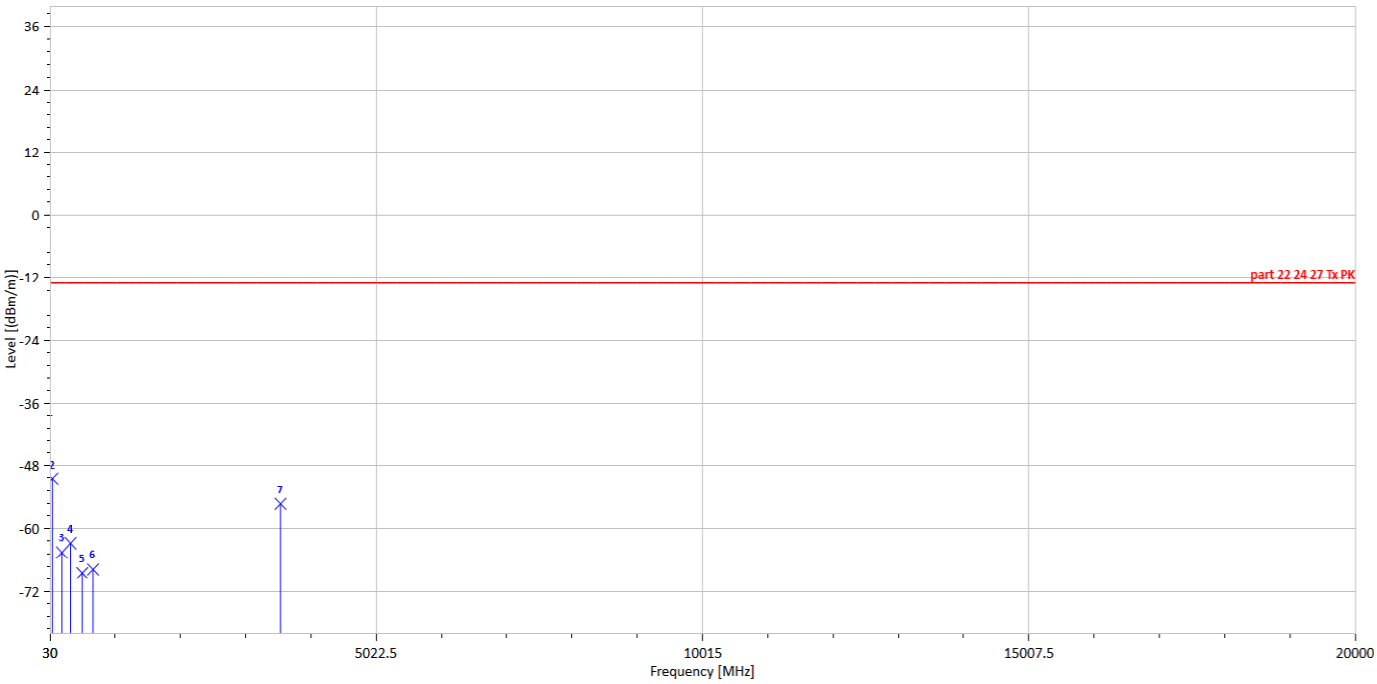
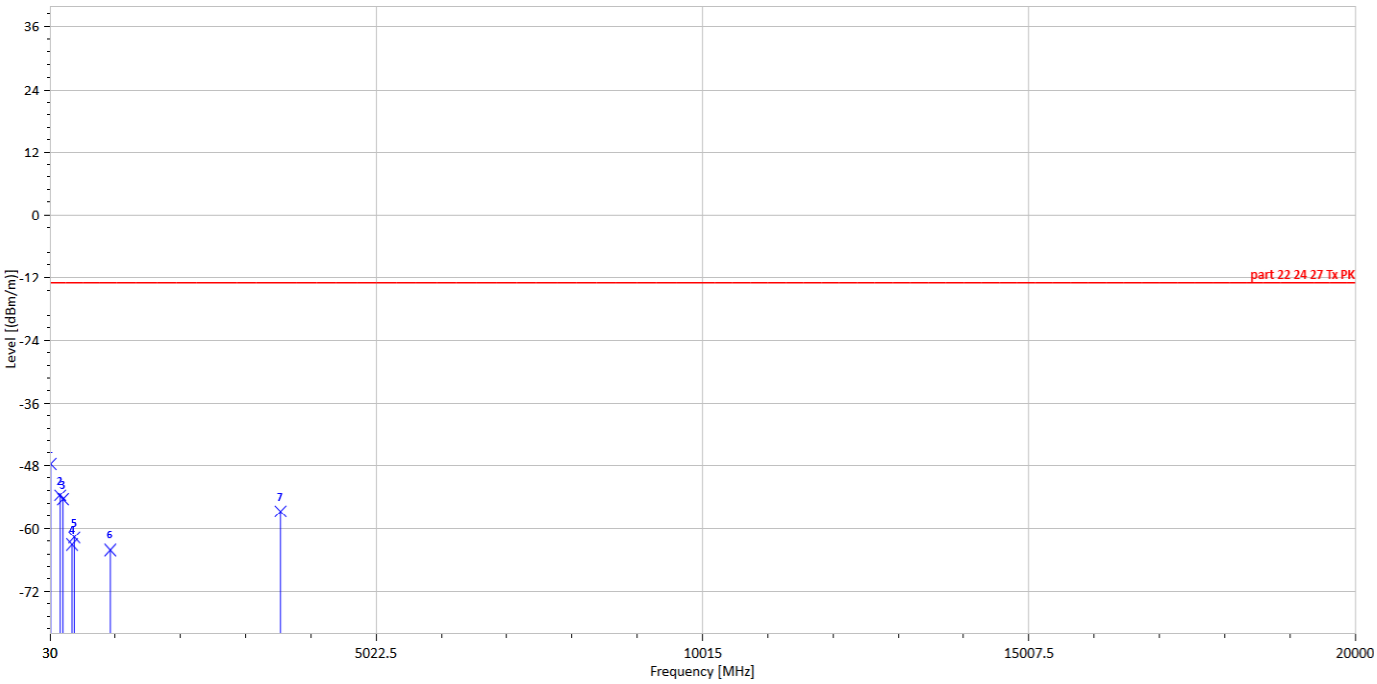
Operation Mode :	LTEB66 1.4M 16QAM 1.0	Test Date :	2017/11/25
Fundamental Frequency :	1779.3 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH High	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
30.00	S	-40.56	-19.39	-20.35	-0.82	-13.01	-27.55
68.02	S	-50.53	-49.26	-0.15	-1.12	-13.01	-37.52
213.17	S	-64.57	-68.67	6.15	-2.06	-13.01	-51.56
345.65	S	-62.90	-66.21	5.98	-2.66	-13.01	-49.89
524.22	S	-68.45	-71.62	6.50	-3.33	-13.01	-55.44
690.11	S	-67.76	-71.57	7.60	-3.80	-13.01	-54.75
3558.60	H	-55.34	-58.87	12.34	-8.80	-13.01	-42.33

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

Operation Mode :	LTEB66 1.4M 16QAM 1.0	Test Date :	2017/11/25
Fundamental Frequency :	1779.3 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH High	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal

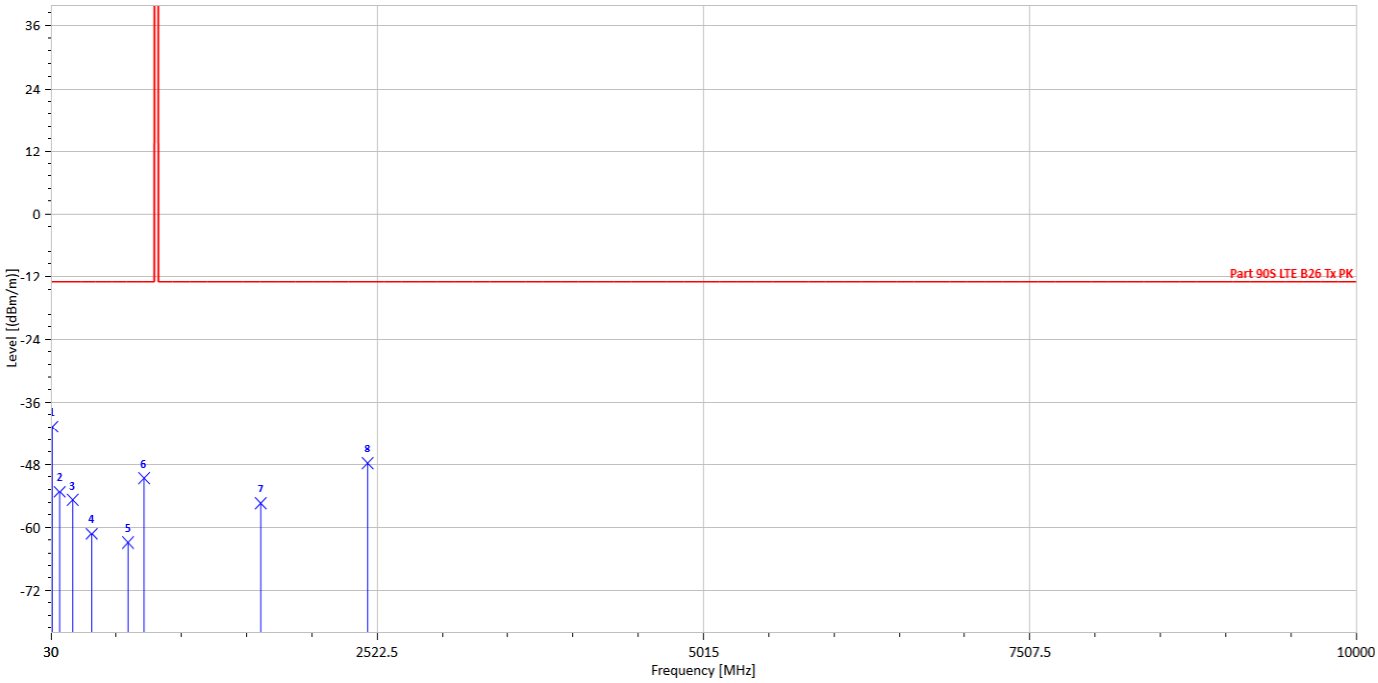


Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
41.52	S	-47.64	-35.95	-10.82	-0.87	-13	-34.64
187.83	S	-53.67	-57.53	5.78	-1.93	-13	-40.67
230.45	S	-54.48	-58.36	6.03	-2.14	-13	-41.48
368.69	S	-63.10	-66.25	5.90	-2.74	-13	-50.10
403.25	S	-61.76	-64.65	5.79	-2.89	-13	-48.76
953.92	S	-64.07	-67.51	7.98	-4.53	-13	-51.07
3558.60	H	-56.80	-60.33	12.34	-8.80	-13.01	-43.79

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

Radiated Spurious Emission Measurement Result: LTE-Band 26 for Part 90S (The Worst Case)

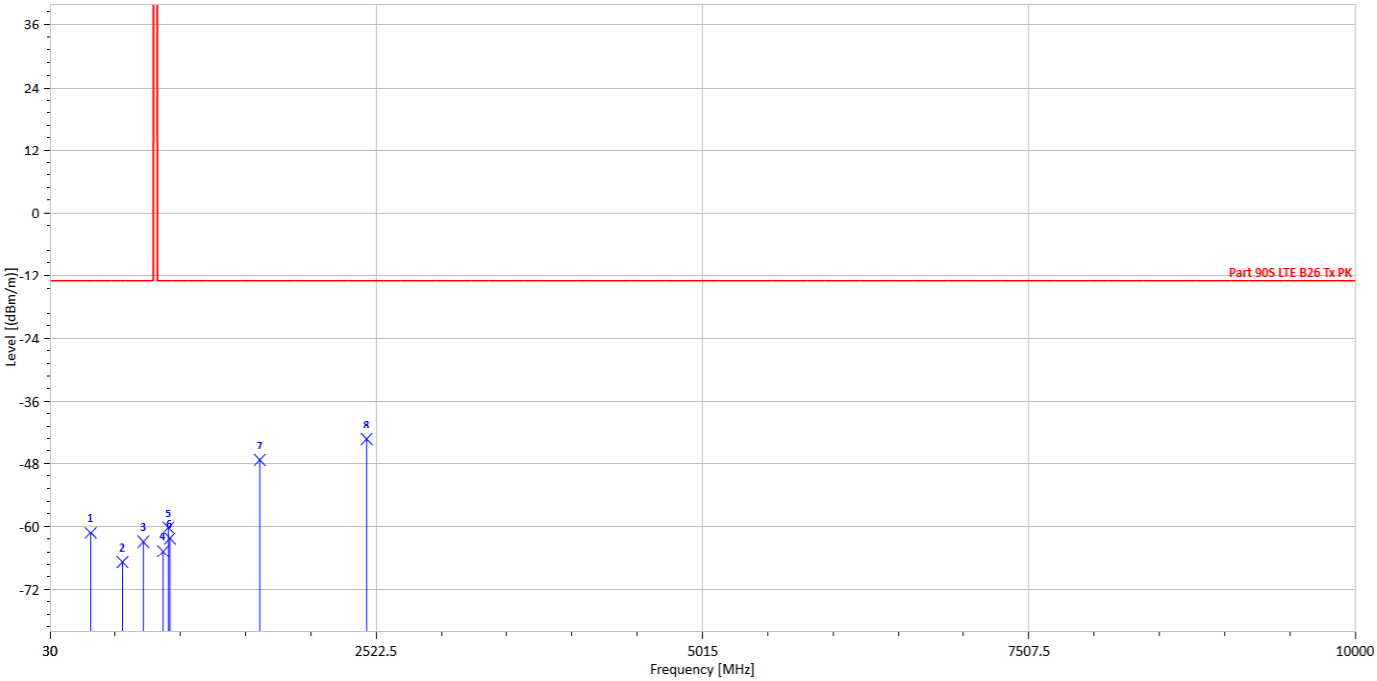
Operation Mode :	LTEB26 90 5M QPSK 1.0	Test Date :	2017/11/27
Fundamental Frequency :	816.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
40.06	S	-40.68	-25.77	-14.06	-0.86	-13	-27.68
97.05	S	-53.22	-48.84	-3.02	-1.36	-13	-40.22
196.51	S	-54.77	-56.71	3.91	-1.97	-13	-41.77
341.79	S	-61.29	-62.09	3.45	-2.65	-13	-48.29
618.93	S	-62.93	-63.74	4.43	-3.63	-13	-49.93
741.85	S	-50.63	-51.86	5.14	-3.92	-13	-37.63
1633.00	H	-55.41	-55.50	6.51	-6.42	-13	-42.41
2449.50	H	-47.67	-48.40	8.50	-7.77	-13	-34.67

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

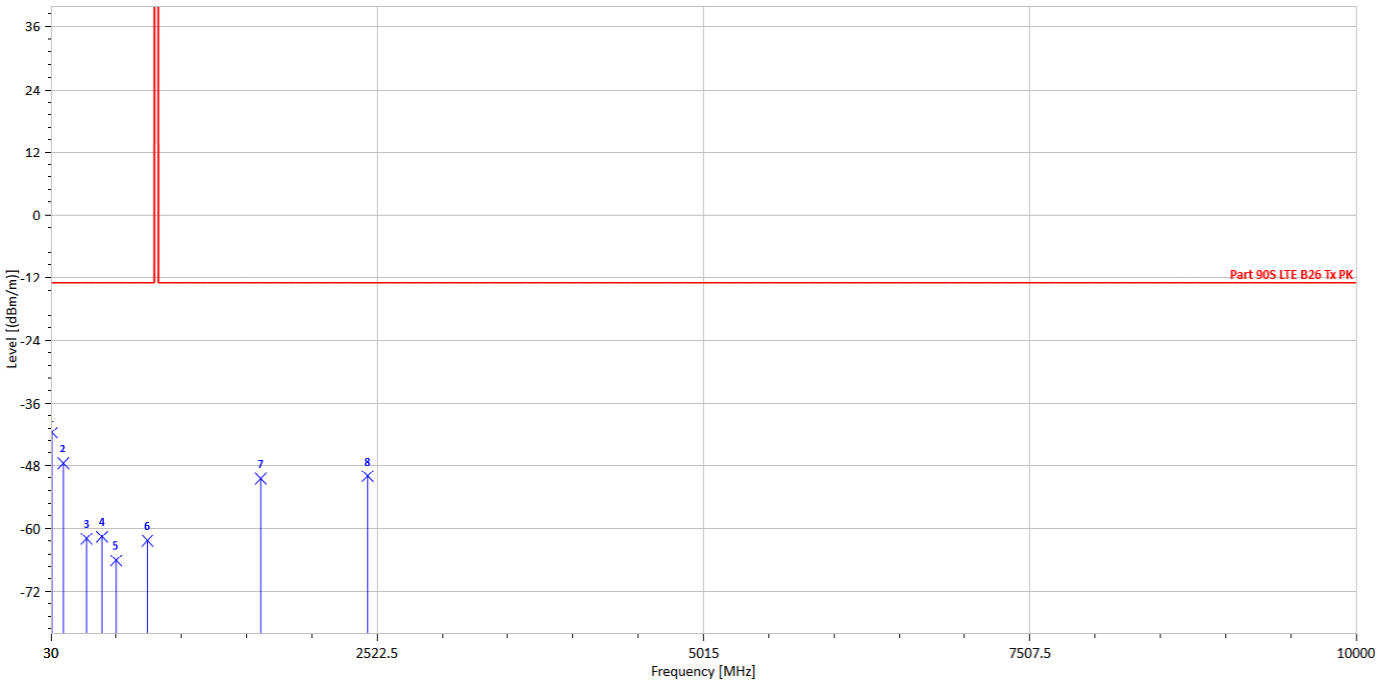
Operation Mode :	LTEB26 90 5M QPSK 1.0	Test Date :	2017/11/27
Fundamental Frequency :	816.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
341.79	S	-61.30	-62.10	3.45	-2.65	-13	-48.30
584.29	S	-66.77	-67.47	4.21	-3.51	-13	-53.77
744.09	S	-62.97	-64.20	5.15	-3.92	-13	-49.97
894.95	S	-64.71	-65.53	5.22	-4.40	-13	-51.71
935.18	S	-60.25	-61.12	5.36	-4.49	-13	-47.25
947.48	S	-62.36	-63.25	5.40	-4.51	-13	-49.36
1633.00	H	-47.26	-47.35	6.51	-6.42	-13	-34.26
2449.50	H	-43.23	-43.97	8.50	-7.77	-13	-30.23

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.
SGS Taiwan Ltd. 台灣檢驗科技股份有限公司
No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號
t (886-2) 2299-3279 f (886-2) 2298-0488 www.tw.sgs.com
Member of SGS Group

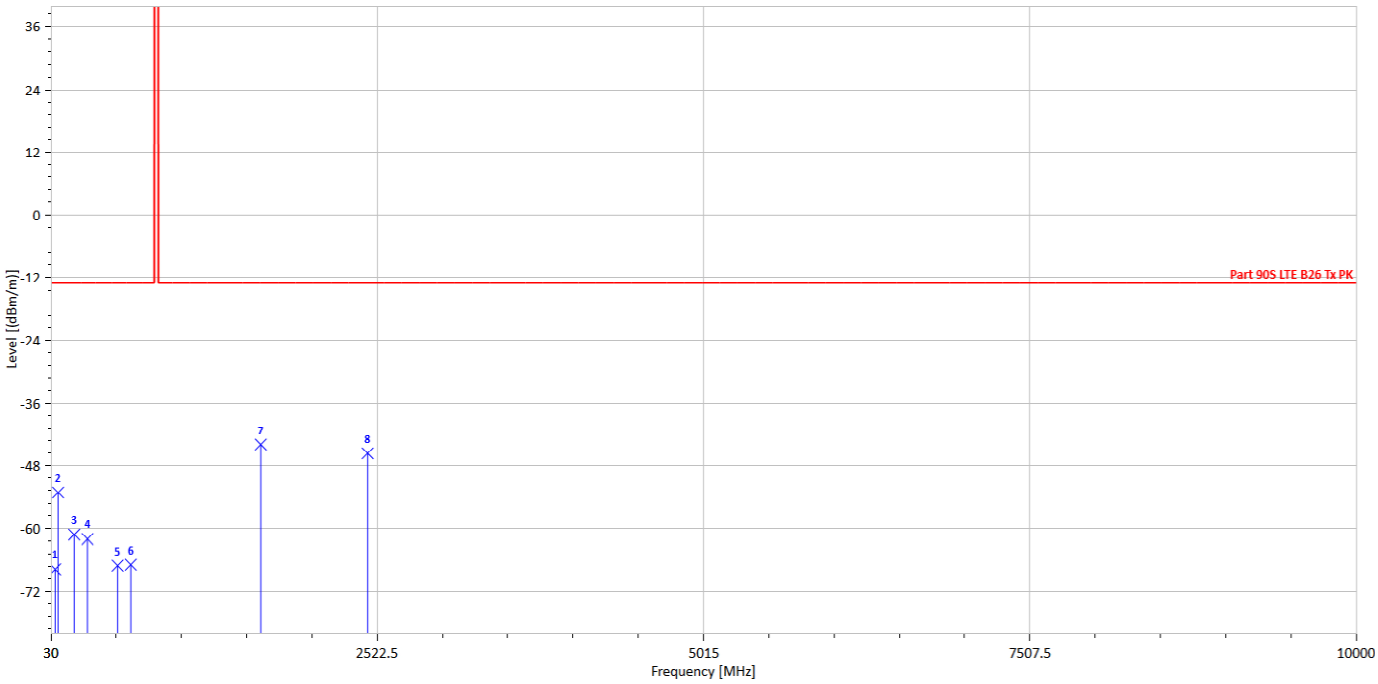
Operation Mode :	LTEB26 90 5M QPSK 1.0	Test Date :	2017/11/27
Fundamental Frequency :	819 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Mid	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
36.71	S	-41.61	-23.99	-16.78	-0.85	-13	-28.61
124.99	S	-47.50	-43.10	-2.86	-1.54	-13	-34.50
302.67	S	-62.02	-63.04	3.50	-2.47	-13	-49.02
420.01	S	-61.64	-62.06	3.37	-2.95	-13	-48.64
528.41	S	-66.05	-66.70	4.00	-3.34	-13	-53.05
767.56	S	-62.40	-63.58	5.18	-4.00	-13	-49.40
1633.00	H	-50.50	-50.59	6.51	-6.42	-13	-37.50
2449.50	H	-50.00	-50.73	8.50	-7.77	-13	-37.00

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

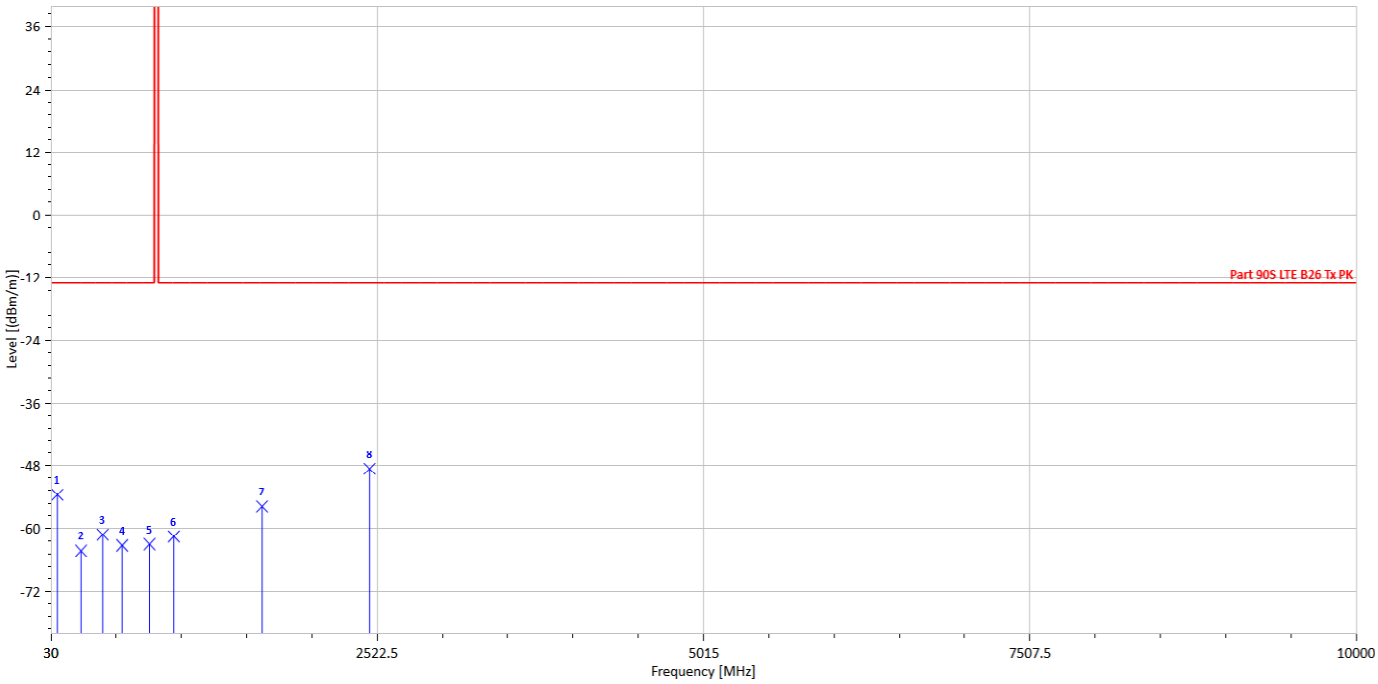
Operation Mode :	LTEB26 90 5M QPSK 1.0	Test Date :	2017/11/27
Fundamental Frequency :	819 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Mid	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
62.41	S	-67.76	-63.80	-2.88	-1.07	-13	-54.76
84.76	S	-53.15	-49.94	-1.96	-1.26	-13	-40.15
207.68	S	-61.24	-63.16	3.95	-2.03	-13	-48.24
309.38	S	-62.07	-63.06	3.49	-2.51	-13	-49.07
539.59	S	-67.06	-67.67	3.98	-3.38	-13	-54.06
640.16	S	-66.88	-67.77	4.56	-3.67	-13	-53.88
1633.00	H	-43.91	-44.00	6.51	-6.42	-13	-30.91
2449.50	H	-45.61	-46.34	8.50	-7.77	-13	-32.61

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

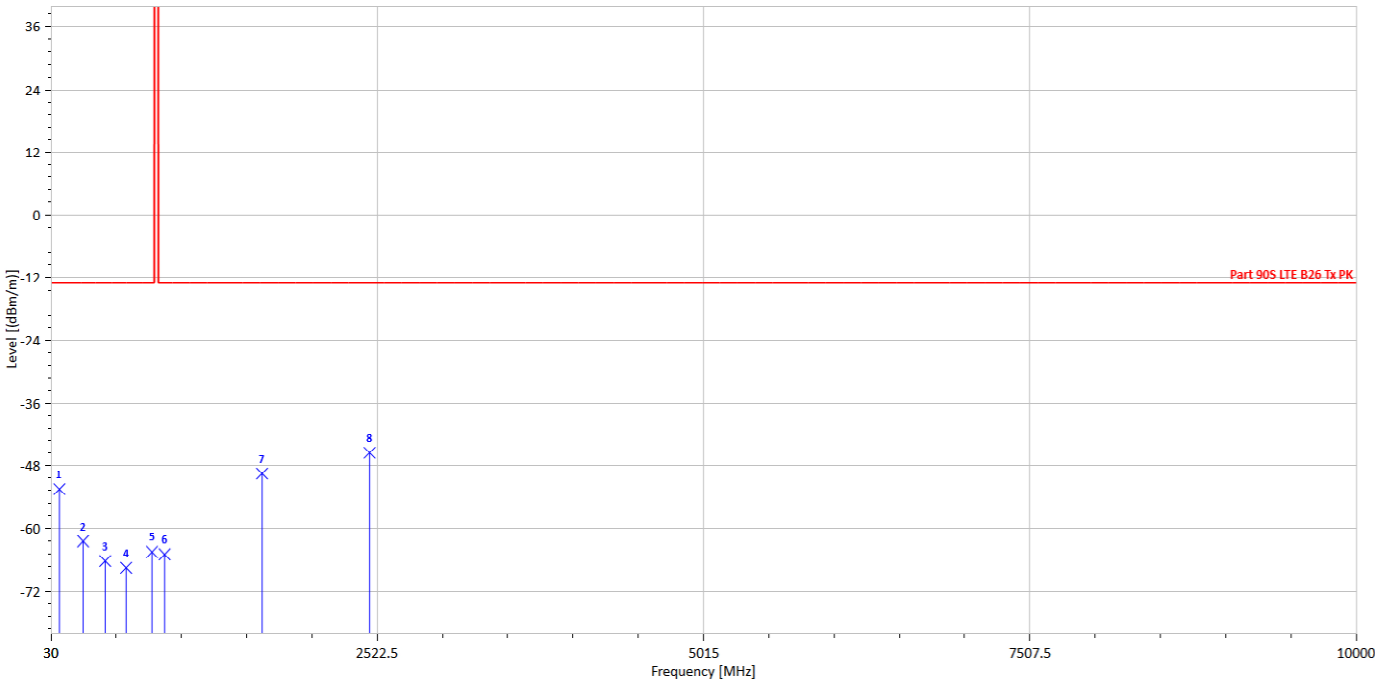
Operation Mode :	LTEB26 90 5M QPSK 1.0	Test Date :	2017/11/27
Fundamental Frequency :	821.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH High	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
79.17	S	-53.57	-50.66	-1.70	-1.21	-13	-40.57
260.21	S	-64.23	-64.01	2.08	-2.30	-13	-51.23
425.60	S	-61.26	-61.71	3.42	-2.97	-13	-48.26
574.23	S	-63.25	-63.92	4.14	-3.47	-13	-50.25
783.20	S	-63.02	-64.16	5.20	-4.06	-13	-50.02
968.71	S	-61.59	-62.48	5.47	-4.58	-13	-48.59
1643.00	H	-55.81	-55.92	6.55	-6.44	-13	-42.81
2464.50	H	-48.59	-49.32	8.51	-7.79	-13	-35.59

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at 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.

Operation Mode :	LTEB26 90 5M QPSK 1.0	Test Date :	2017/11/27
Fundamental Frequency :	821.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH High	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
94.82	S	-52.51	-48.39	-2.78	-1.34	-13	-39.51
275.85	S	-62.50	-63.35	3.21	-2.36	-13	-49.50
444.60	S	-66.16	-66.71	3.57	-3.03	-13	-53.16
604.40	S	-67.45	-68.21	4.35	-3.58	-13	-54.45
802.20	S	-64.46	-65.56	5.21	-4.11	-13	-51.46
898.31	S	-64.91	-65.74	5.23	-4.41	-13	-51.91
1643.00	H	-49.51	-49.62	6.55	-6.44	-13	-36.51
2464.50	H	-45.50	-46.23	8.51	-7.79	-13	-32.50

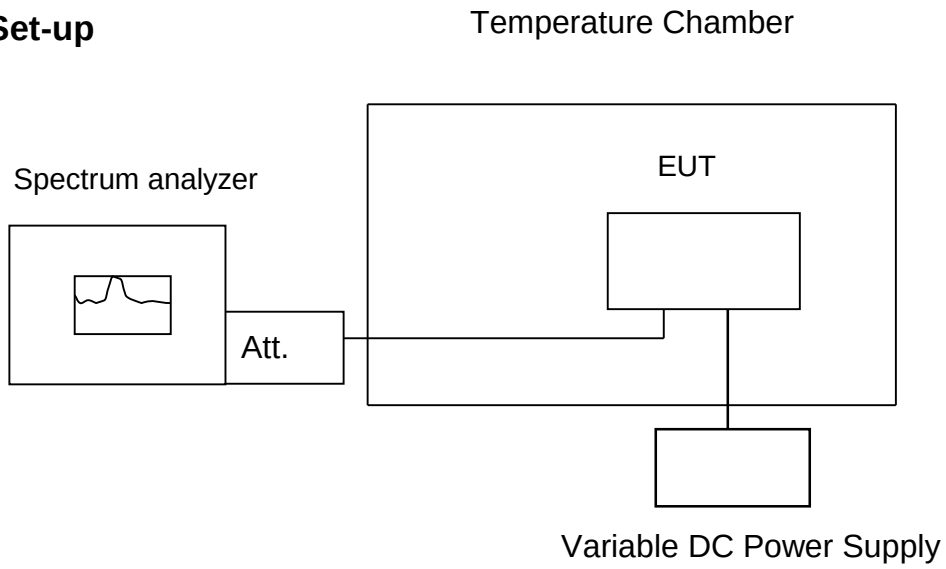
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

11. FREQUENCY STABILITY MEASUREMENT

11.1. Standard Applicabl

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

11.2. Test Set-up



Note: Measurement setup for testing on Antenna connector

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

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℃. 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.

11.4. Measurement Equipment Used

Conducted Emission (measured at antenna port) Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	06/20/2017	06/19/2018
Communication Tester	Anritsu	MT8820C	6201107337	05/25/2017	05/24/2018
Coaxial Cable 30cm	WOKEN	00100A1F1A 195C	RF01	12/12/2016	12/11/2017
Temperature Chamber	TERCHY	MHK-120LK	1020582	06/13/2017	06/12/2018
DC Block	PASTERNACK	PE8210	RF29	12/12/2016	12/11/2017
Splitter	RF-LAMBAD	RFLT2W1G1 8G	RF35	12/12/2016	12/11/2017
Attenuator	WOKEN	218FS-10	RF23	12/12/2016	12/11/2017
DC Power Supply	Agilent	E3640A	MY53140006	05/02/2017	05/01/2018

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

11.5. Measurement Result

FREQUENCY ERROR vs. VOLTAGE

Reference Frequency: WCDMA II Mid Channel 1880 MHz				
Limit: +/- 2.5 ppm				
Power Supply Vdc	Environment Temp. (℃)	Frequency (MHz)	Delta (Hz)	Limit (Hz)
FREQUENCY ERROR vs. VOLTAGE				
13.28	20	1879999954	-69	4700
11.55	20	1880000023	60	4700
9.8	20	1879999963	-92	4700
9.6 (End point)	20	1880000055	2	4700

FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency: WCDMA II Mid Channel 1880				
Limit: +/- 2.5 ppm				
Power Supply Vdc	Environment Temp. (℃)	Frequency (MHz)	Delta (Hz)	Limit (Hz)
11.55	50	1879999951	-73	4700
11.55	40	1880000024	87	4700
11.55	30	1879999937	-22	4700
11.55	20	1879999959	-103	4700
11.55	10	1880000062	81	4700
11.55	0	1879999981	-53	4700
11.55	-10	1880000034	18	4700
11.55	-20	1880000016	37	4700
11.55	-30	1879999979	7	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 unlawful and offenders may be prosecuted to the fullest extent of the law.

FREQUENCY ERROR vs. VOLTAGE

Reference Frequency: WCDMA IV Mid Channel 1732.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temp. (°C)	(MHz)		
FREQUENCY ERROR vs. VOLTAGE				
13.28	20	173260025	46	4331
11.55	20	173259979	23	4331
9.8	20	173259956	-122	4331
9.6 (End point)	20	173260078	-5	4331

FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency: WCDMA IV Mid Channel 1732.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temp. (°C)	(MHz)		
11.55	50	173259985	-34	4331
11.55	40	173260019	-15	4331
11.55	30	173260034	92	4331
11.55	20	173259942	-37	4331
11.55	10	173259979	-105	4331
11.55	0	173260084	16	4331
11.55	-10	173260068	91	4331
11.55	-20	173259977	-88	4331
11.55	-30	173260065	7	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 unlawful and offenders may be prosecuted to the fullest extent of the law.

FREQUENCY ERROR vs. VOLTAGE

Reference Frequency: WCDMA V Mid Channel 836.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temp. (°C)	(MHz)		
FREQUENCY ERROR vs. VOLTAGE				
13.28	20	836599995	-41	2091
11.55	20	836600036	-10	2091
9.8	20	836600046	89	2091
9.6 (End point)	20	836599957	-1	2091

FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency: WCDMA V Mid Channel 836.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temp. (°C)	(MHz)		
11.55	50	836599956	-108	2091
11.55	40	836600064	96	2091
11.55	30	836599968	-7	2091
11.55	20	836599975	-51	2091
11.55	10	836600026	41	2091
11.55	0	836599985	-49	2091
11.55	-10	836600034	-28	2091
11.55	-20	836600062	45	2091
11.55	-30	836600017	4	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 unlawful and offenders may be prosecuted to the fullest extent of the law.

FREQUENCY ERROR vs. VOLTAGE

Reference Frequency:	LTE B2 Mid Channel	1880.0	MHz	20M QPSK CH 18900
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (℃)	(MHz)		
13.28	25	1880	-9.999999975	4700
11.55	25	1880.00001	0	4700
9.8	25	1880.000005	-4.999999874	4700
9.6	25	1879.999985	-25.00000005	4700

FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency:	LTE B2 Mid Channel	1880.0	MHz	20M QPSK CH 18900
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (℃)	(MHz)		
11.55	-30	1880.000014	5.999999985	4700
11.55	-20	1880.000015	7.000000096	4700
11.55	-10	1879.999994	-13.99999996	4700
11.55	0	1880.000007	-0.999999884	4700
11.55	10	1879.999978	-29.99999992	4700
11.55	20	1880.000008	0	4700
11.55	30	1879.999996	-11.99999997	4700
11.55	40	1879.999976	-31.99999992	4700
11.55	50	1880.000002	-5.999999985	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 unlawful and offenders may be prosecuted to the fullest extent of the law.

FREQUENCY ERROR vs. VOLTAGE

Reference Frequency:	LTE B4 Mid Channel	1732.5	MHz	20M QPSK CH 20175
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (℃)	(MHz)		
13.28	25	1732.499989	-19.00000007	4331
11.55	25	1732.500008	0	4331
9.8	25	1732.500012	3.99999999	4331
9.6	25	1732.499994	-13.99999996	4331

FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency:	LTE B4 Mid Channel	1732.5	MHz	20M QPSK CH 20175
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (℃)	(MHz)		
11.55	-30	1732.499983	-34.00000014	4331
11.55	-20	1732.500009	-7.99999998	4331
11.55	-10	1732.500005	-11.99999997	4331
11.55	0	1732.49998	-37.00000002	4331
11.55	10	1732.499978	-39.00000002	4331
11.55	20	1732.500017	0	4331
11.55	30	1732.499997	-20.00000018	4331
11.55	40	1732.500008	-9.000000091	4331
11.55	50	1732.499976	-41.00000001	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 unlawful and offenders may be prosecuted to the fullest extent of the law.

FREQUENCY ERROR vs. VOLTAGE

Reference Frequency:	LTE B5 Mid Channel	836.5	MHz	10M QPSK CH 20525
Limit: +/- 2.5 ppm				
Power Supply Vdc	Environment Temperature (℃)	Frequency (MHz)	Delta (Hz)	Limit (Hz)
13.28	25	836.50002	39.9999999	2091
11.55	25	836.49998	0	2091
9.8	25	836.499978	-1.999999995	2091
9.6	25	836.499993	12.99999997	2091

FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency:	LTE B5 Mid Channel	836.5	MHz	10M QPSK CH 20525
Limit: +/- 2.5 ppm				
Power Supply Vdc	Environment Temperature (℃)	Frequency (MHz)	Delta (Hz)	Limit (Hz)
11.55	-30	836.500003	20	2091
11.55	-20	836.499989	6	2091
11.55	-10	836.499984	1	2091
11.55	0	836.500015	32	2091
11.55	10	836.499975	-8	2091
11.55	20	836.499983	0	2091
11.55	30	836.499989	6	2091
11.55	40	836.499998	15	2091
11.55	50	836.499977	-6	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 unlawful and offenders may be prosecuted to the fullest extent of the law.
SGS Taiwan Ltd. 台灣檢驗科技股份有限公司
No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號
t (886-2) 2299-3279 f (886-2) 2298-0488 www.tw.sgs.com
Member of SGS Group

FREQUENCY ERROR vs. VOLTAGE

Reference Frequency:	LTE B12 Mid Channel	707.5	MHz	10M QPSK CH 23095
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (℃)	(MHz)		
12.7	25	707.500009	6	1769
11.55	25	707.500003	0	1769
10.4	25	707.499994	-9	1769
9.6 (End Point)	25	707.499993	-10	1769

FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency:	LTE B12 Mid Channel	707.5	MHz	10M QPSK CH 23095
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (℃)	(MHz)		
11.55	-30	707.500005	14	1769
11.55	-20	707.500004	13	1769
11.55	-10	707.500008	17	1769
11.55	0	707.500005	14	1769
11.55	10	707.500006	15	1769
11.55	20	707.499991	0	1769
11.55	30	707.499997	6	1769
11.55	40	707.499993	2	1769
11.55	50	707.499992	1	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 unlawful and offenders may be prosecuted to the fullest extent of the law.

FREQUENCY ERROR vs. VOLTAGE

Reference Frequency:	LTE B13 Mid Channel	782.0	MHz	10M QPSK CH 23230
Limit: +/- 2.5 ppm				
Power Supply Vdc	Environment Temperature (℃)	Frequency (MHz)	Delta (Hz)	Limit (Hz)
12.7	25	782.000005	-2	1955
11.55	25	782.000007	0	1955
10.4	25	781.999994	-13	1955
9.6 (End Point)	25	781.999994	-13	1955

FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency:	LTE B13 Mid Channel	782.0	MHz	10M QPSK CH 23230
Limit: +/- 2.5 ppm				
Power Supply Vdc	Environment Temperature (℃)	Frequency (MHz)	Delta (Hz)	Limit (Hz)
11.55	-30	782.000007	10	1955
11.55	-20	782.000006	9	1955
11.55	-10	782.000005	8	1955
11.55	0	782.000004	7	1955
11.55	10	782.000006	9	1955
11.55	20	781.999997	0	1955
11.55	30	781.999995	-2	1955
11.55	40	781.999995	-2	1955
11.55	50	781.999996	-1	1955

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

FREQUENCY ERROR vs. VOLTAGE

Reference Frequency:	LTE B26 Mid Channel	836.5	MHz	15M QPSK CH 26915
Limit: +/- 2.5 ppm				
Power Supply Vdc	Environment Temperature (℃)	Frequency (MHz)	Delta (Hz)	Limit (Hz)
12.7	25	836.50001	5	2091
11.55	25	836.500005	0	2091
10.4	25	836.499991	-14	2091
9.6 (End Point)	25	836.499996	-9	2091

FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency:	LTE B26 Mid Channel	836.5	MHz	15M QPSK CH 26915
Limit: +/- 2.5 ppm				
Power Supply Vdc	Environment Temperature (℃)	Frequency (MHz)	Delta (Hz)	Limit (Hz)
11.55	-30	836.500008	12	2091
11.55	-20	836.500006	10	2091
11.55	-10	836.500004	8	2091
11.55	0	836.500003	7	2091
11.55	10	836.500008	12	2091
11.55	20	836.499996	0	2091
11.55	30	836.499993	-3	2091
11.55	40	836.499991	-5	2091
11.55	50	836.499996	0	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 unlawful and offenders may be prosecuted to the fullest extent of the law.

FREQUENCY ERROR vs. VOLTAGE (LTE B26 for Part 90S)

Reference Frequency:	LTE B26 Mid Channel	819.0	MHz	1.4M QPSK CH 26740
Limit: +/- 2.5 ppm				
Power Supply Vdc	Environment Temperature (℃)	Frequency (MHz)	Delta (Hz)	Limit (Hz)
12.7	25	819	-4	2048
11.55	25	819.00001	0	2048
10.4	25	818.99999	-14	2048
9.6 (End Point)	25	819	-12	2048

FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency:	LTE B26 Mid Channel	819.0	MHz	1.4M QPSK CH 26740
Limit: +/- 2.5 ppm				
Power Supply Vdc	Environment Temperature (℃)	Frequency (MHz)	Delta (Hz)	Limit (Hz)
11.55	-30	819.00001	11	2048
11.55	-20	819.00001	7	2048
11.55	-10	819	6	2048
11.55	0	819.00001	8	2048
11.55	10	819	5	2048
11.55	20	819	0	2048
11.55	30	818.99999	-5	2048
11.55	40	819	-2	2048
11.55	50	819	-1	2048

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

FREQUENCY ERROR vs. VOLTAGE

Reference Frequency:	LTE B38 Mid Channel	2595.0	MHz	10M QPSK CH 38000
Limit: +/- 2.5 ppm				
Power Supply Vdc	Environment Temperature (℃)	Frequency (MHz)	Delta (Hz)	Limit (Hz)
12.7	25	2595	3	6488
11.55	25	2595	0	6488
10.4	25	2595	-9	6488
9.6 (End Point)	25	2595	-10	6488

FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency:	LTE B38 Mid Channel	2595.0	MHz	10M QPSK CH 38000
Limit: +/- 2.5 ppm				
Power Supply Vdc	Environment Temperature (℃)	Frequency (MHz)	Delta (Hz)	Limit (Hz)
11.55	-30	2595	13	6488
11.55	-20	2595	10	6488
11.55	-10	2595	9	6488
11.55	0	2595	11	6488
11.55	10	2595	10	6488
11.55	20	2595	0	6488
11.55	30	2595	-2	6488
11.55	40	2595	1	6488
11.55	50	2595	4	6488

Note: The battery is rated 11.55V dc.

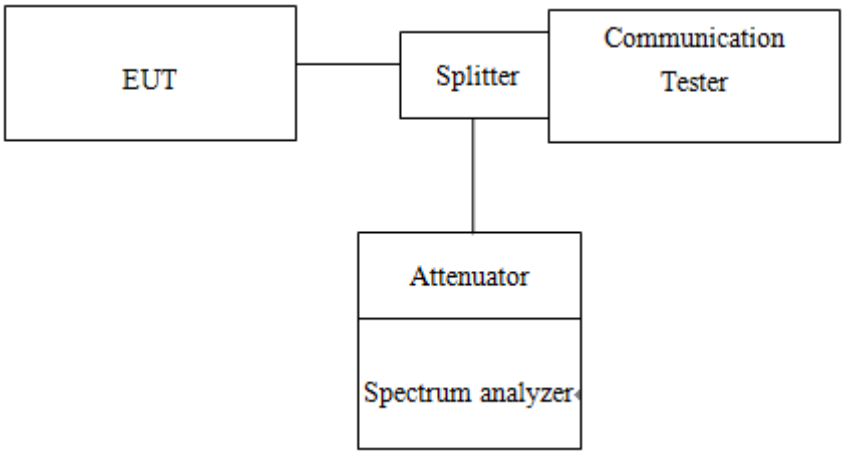
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, 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 unlawful and offenders may be prosecuted to the fullest extent of the law.

12. PEAK TO AVERAGE RATIO

12.1. Standard Applicable

The peak-to-average ratio (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.

12.4. Measurement Equipment Used

Conducted Emission (measured at antenna port) Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	06/20/2017	06/19/2018
Communication Tester	Anritsu	MT8820C	6201107337	05/25/2017	05/24/2018
Coaxial Cable 30cm	WOKEN	00100A1F1A 195C	RF01	12/12/2016	12/11/2017
Temperature Chamber	TERCHY	MHK-120LK	1020582	06/13/2017	06/12/2018
DC Block	PASTERNACK	PE8210	RF29	12/12/2016	12/11/2017
Splitter	RF-LAMBAD	RFLT2W1G1 8G	RF35	12/12/2016	12/11/2017
Attenuator	WOKEN	218FS-10	RF23	12/12/2016	12/11/2017
DC Power Supply	Agilent	E3640A	MY53140006	05/02/2017	05/01/2018
Communication Tester	Anritsu	MT8820C	6201107337	05/25/2017	05/24/2018

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

12.5. Measurement Result

Tabular Results:

Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		
		WCDMA II	HSDPA II	HSUPA II
1852.4	9262	3.20	4.35	**4.32**
1880.0	9400	**3.46**	4.14	3.61
1907.6	9538	2.89	**4.44**	4.24

Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		
		WCDMA V	HSDPA V	HSUPA V
1712.4	1312	3.38	**4.27**	3.98
1732.6	1413	3.47	3.93	**4.08**
1752.6	1513	**3.48**	4.04	3.59

Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		
		WCDMA IV	HSDPA IV	HSUPA IV
826.4	4132	3.17	3.61	3.79
836.6	4183	**3.42**	**4.22**	**4.16**
846.6	4233	3.06	3.64	3.52

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 unlawful and offenders may be prosecuted to the fullest extent of the law.

LTE BAND 2							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
1850.7	18607	6.58	13	1851.5	18615	6.54	13
1880.0	18900	6.68	13	1880.0	18900	6.74	13
1909.3	19193	6.41	13	1908.5	19185	6.48	13

LTE BAND 2							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
1852.5	18625	6.83	13	1855.0	18650	6.60	13
1880.0	18900	6.71	13	1880.0	18900	6.68	13
1907.5	19175	6.53	13	1905.0	19150	6.56	13

LTE BAND 2							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
1857.5	18675	6.27	13	1860.0	18700	6.65	13
1880.0	18900	6.33	13	1880.0	18900	6.78	13
1902.5	19125	6.27	13	1900.0	19100	6.67	13

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

LTE BAND 4							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
1710.7	19957	6.42	13	1711.5	19965	6.42	13
1732.5	20175	6.46	13	1732.5	20175	6.52	13
1754.3	20393	6.61	13	1753.5	20385	6.45	13

LTE BAND 4							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
1712.5	19957	6.19	13	1715.0	20000	6.35	13
1732.5	20175	6.51	13	1732.5	20175	6.43	13
1752.5	20375	6.45	13	1750.0	20350	6.38	13

LTE BAND 4							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
1717.5	20025	6.24	13	1720.0	20050	6.80	13
1732.5	20175	6.33	13	1732.5	20175	6.73	13
1747.5	20325	6.19	13	1745.0	20300	6.65	13

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

LTE BAND 5							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
824.7	20407	5.24	13	825.5	20415	5.47	13
836.5	20525	6.41	13	836.5	20525	6.40	13
848.3	20643	5.87	13	847.5	20635	5.92	13

LTE BAND 5							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
826.5	20425	5.41	13	829.0	20450	5.59	13
836.5	20525	6.19	13	836.5	20525	6.46	13
846.5	20625	5.31	13	844.0	20600	5.62	13

LTE BAND 7							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
2502.5	20775	5.95	13	2505.0	20800	6.26	13
2535.0	21100	6.15	13	2535.0	21100	6.20	13
2567.5	21375	5.90	13	2565.0	21350	6.17	13

LTE BAND 7							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
2507.5	20825	6.07	13	2510	20850	6.71	13
2535	21100	6.15	13	2535	21100	6.62	13
2562.5	21375	6.16	13	2560	21350	6.68	13

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

LTE BAND 12							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
699.7	23017	5.50	13	700.5	23025	5.93	13
707.5	23095	5.95	13	707.5	23095	6.21	13
715.3	23173	6.22	13	714.5	23165	6.43	13

LTE BAND 12							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
701.5	23035	6.00	13	704.0	23060	6.13	13
707.5	23095	6.13	13	707.5	23095	6.31	13
713.5	23155	6.19	13	711.0	23130	6.31	13

LTE BAND 13							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
779.5	23205	6.51	13	782.0	23230	6.22	13
782.0	23230	6.48	13				
784.5	23255	6.29	13				

LTE BAND 17							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
706.5	23755	6.22	13	709	23780	6.19	13
710	23790	6.20	13	710	23790	6.24	13
713.5	23825	6.21	13	711	23780	6.25	13

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

LTE BAND 26							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
824.7	26797	5.72	13	825.5	26805	6.16	13
836.5	26915	5.57	13	836.5	26915	5.81	13
848.3	27033	5.79	13	847.5	27025	5.80	13

LTE BAND 26							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
826.5	26815	6.32	13	829.0	26840	6.42	13
836.5	26915	5.74	13	836.5	26915	5.86	13
846.5	27015	5.45	13	844.0	26990	5.64	13

LTE BAND 26 for part 90S							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
814.7	26697	6.12	13	815.5	26705	6.00	13
819	26740	5.58	13	819	26740	5.72	13
823.3	26783	5.52	13	822.5	26775	5.73	13

LTE BAND 26 for part 90S							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
816.5	26715	5.87	13	819.0	26740	5.76	13
819	26740	5.77	13				
821.5	26765	5.71	13				

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

LTE BAND 30							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
2307.5	27685	5.61	13	2310.0	27710	5.63	13
2310.0	27710	5.59	13				
2312.5	27735	5.79	13				

LTE BAND 38							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
2572.5	37775	8.92	13	2575	37800	8.78	13
2595	38000	9.30	13	2595	38000	10.35	13
2617.5	38225	8.42	13	2615	38200	9.43	13

LTE BAND 38							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
2577.5	37825	9.18	13	2580.0	37850	10.20	13
2595	38000	11.23	13	2595.0	38000	10.16	13
2612.5	38175	9.73	13	2610.0	38150	10.15	13

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

LTE BAND 41							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
2498.5	39675	10.59	13	2501.0	39700	10.21	13
2593.0	40620	8.63	13	2593.0	40620	9.11	13
2687.5	41565	8.77	13	2685.0	41540	8.23	13

LTE BAND 41							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		16QAM	Limit			16QAM	Limit
2503.5	39725	11.03	13	2506.0	39750	9.94	13
2593.0	40620	9.11	13	2593.0	40620	11.65	13
2682.5	41515	8.99	13	2680.0	41490	10.66	13

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

LTE BAND 66							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		64QAM	Limit			64QAM	Limit
1710.7	131979	6.26	13	1711.5	131987	5.44	13
1745.0	132322	6.20	13	1745.0	132322	5.43	13
1779.3	132665	6.64	13	1778.5	132657	5.70	13

LTE BAND 66							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		64QAM	Limit			64QAM	Limit
1712.5	131997	5.41	13	1715.0	132022	5.75	13
1745.0	132322	5.37	13	1745.0	132322	5.58	13
1777.5	132647	6.06	13	1775.0	132622	5.96	13

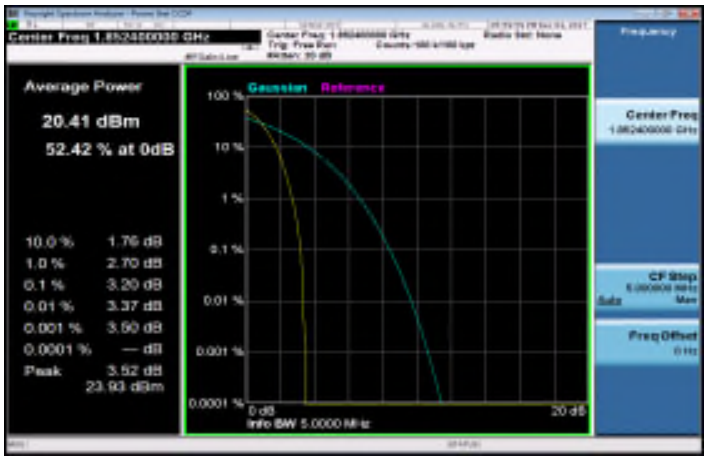
LTE BAND 66							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	Peak-to-Average		Freq. (MHz)	CH	Peak-to-Average	
		64QAM	Limit			64QAM	Limit
1717.5	132047	6.34	13	1720.0	132072	6.82	13
1745.0	132322	6.17	13	1745.0	132322	6.87	13
1772.5	132597	6.39	13	1770.0	132572	6.83	13

Measurement Results:

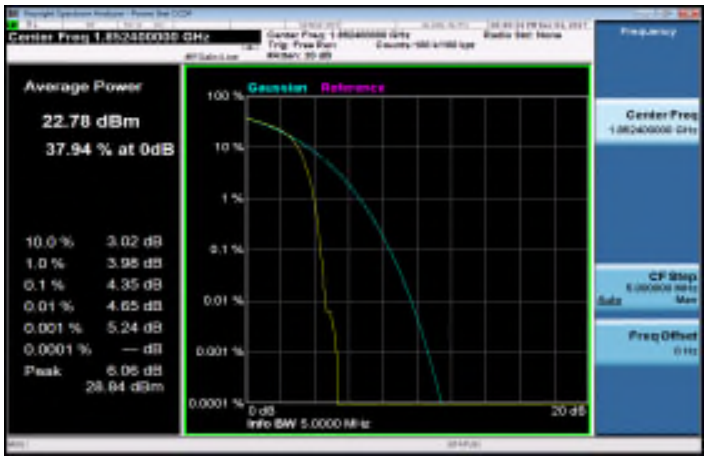
Please refer to next page.

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

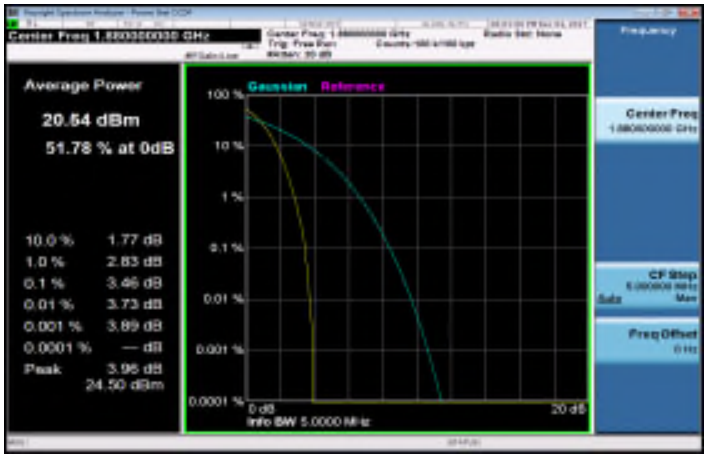
WCDMA_B2_LowCH9262-1852.4



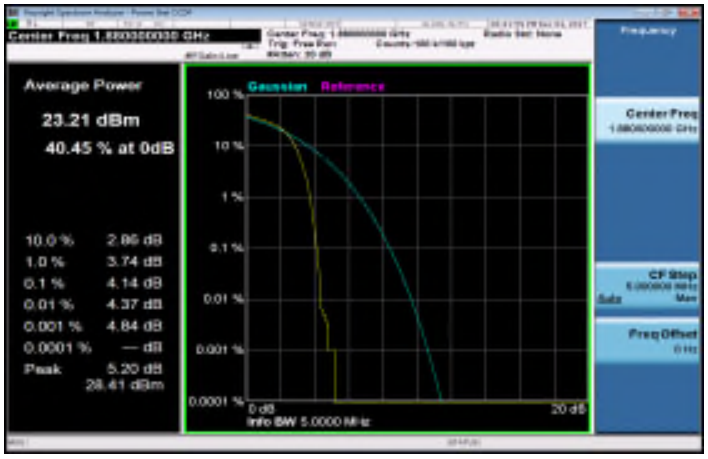
HSDPA_B2_LowCH9262-1852.4



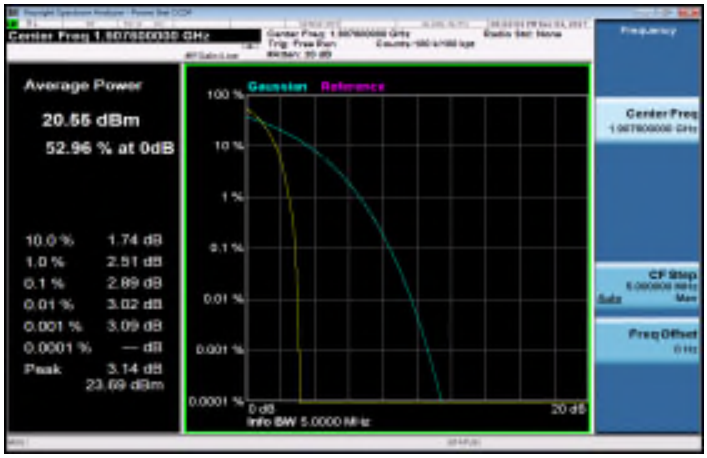
WCDMA_B2_MidCH9400-1880



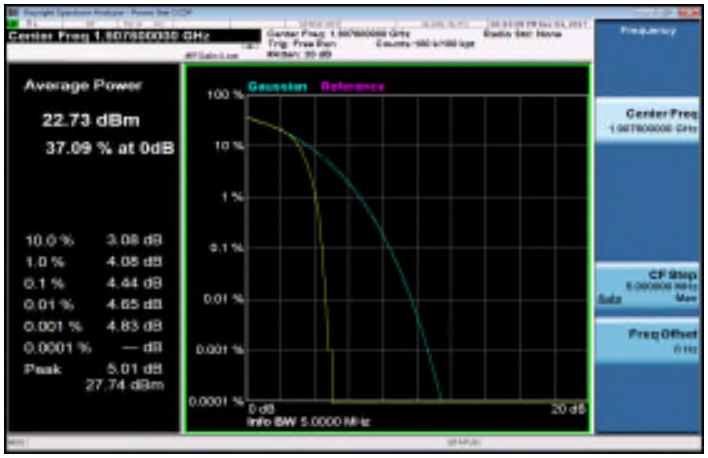
HSDPA_B2_MidCH9400-1880



WCDMA_B2_HighCH9538-1907.6

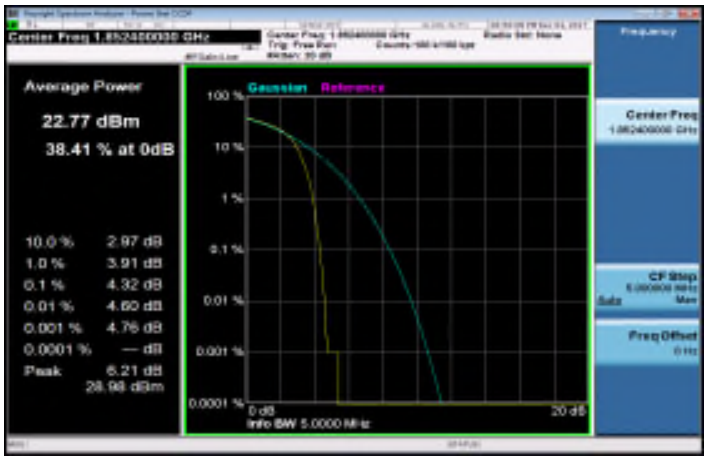


HSDPA_B2_HighCH9538-1907.6

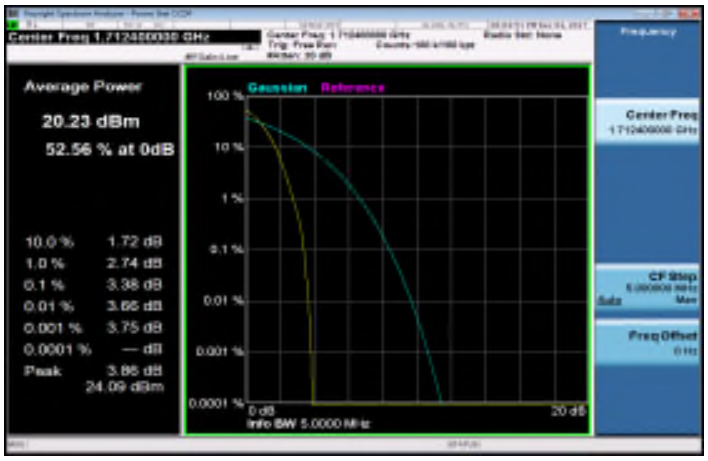


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

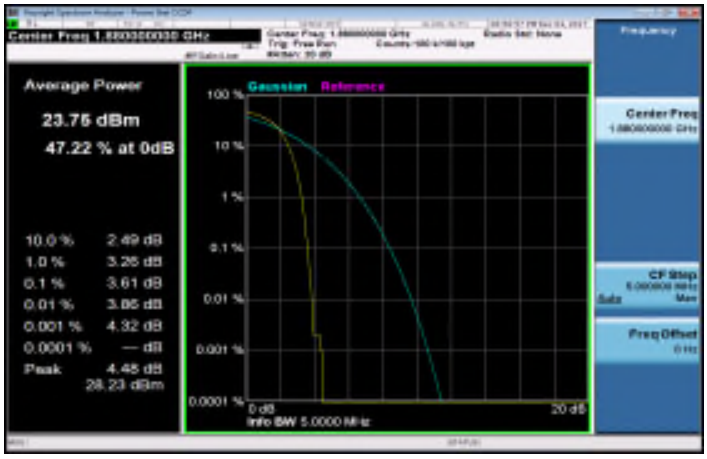
HSUPA_B2_LowCH9262-1852.4



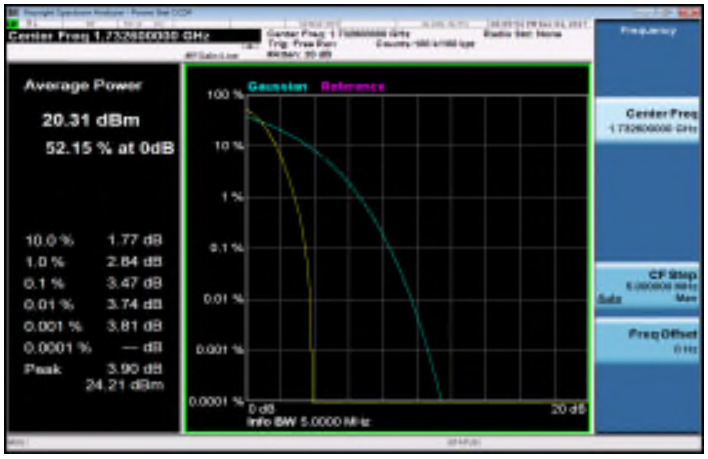
WCDMA_B4_LowCH1312-1712.4



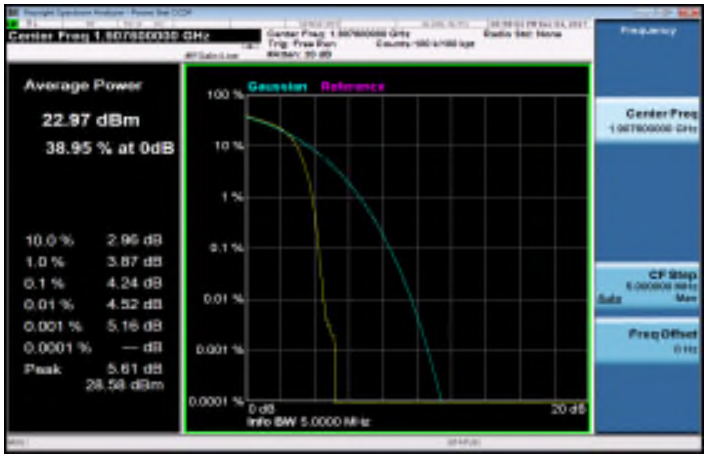
HSUPA_B2_MidCH9400-1880



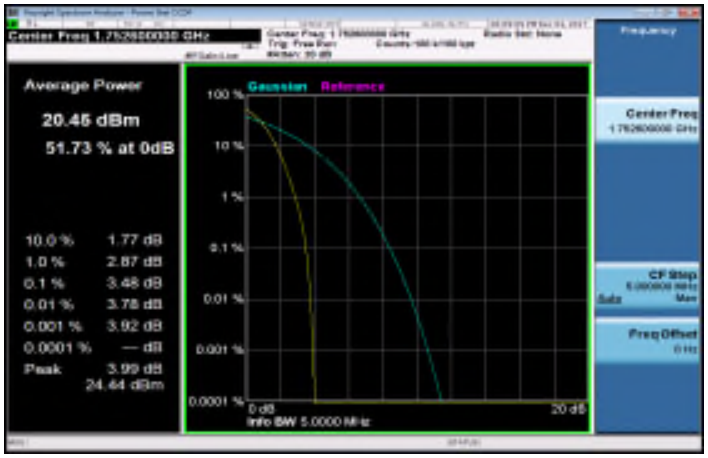
WCDMA_B4_MidCH1413-1732.6



HSUPA_B2_HighCH9538-1907.6

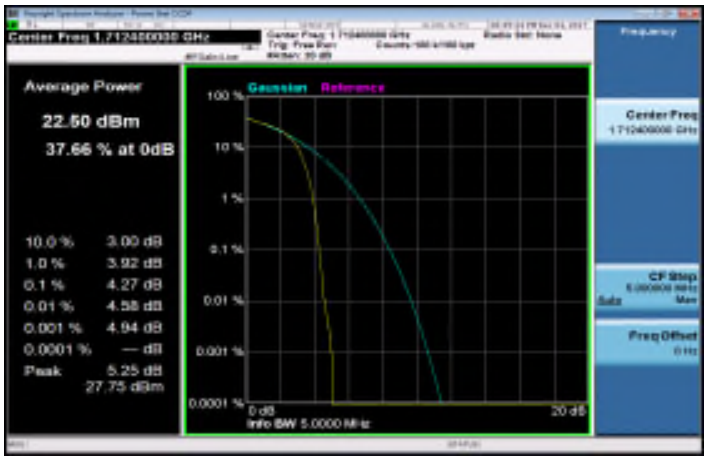


WCDMA_B4_HighCH1513-1752.6

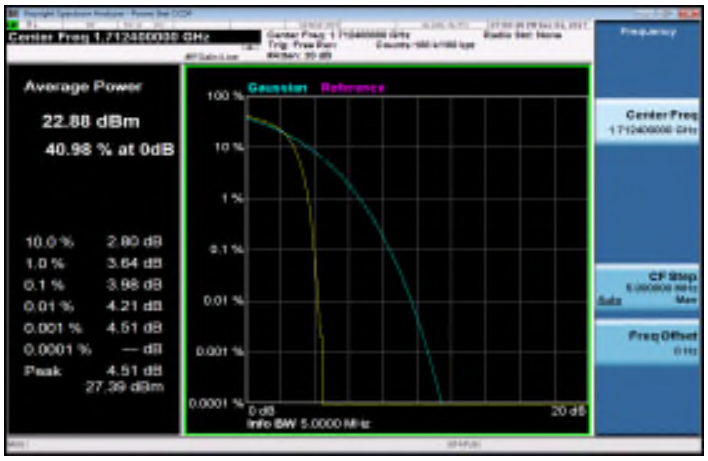


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

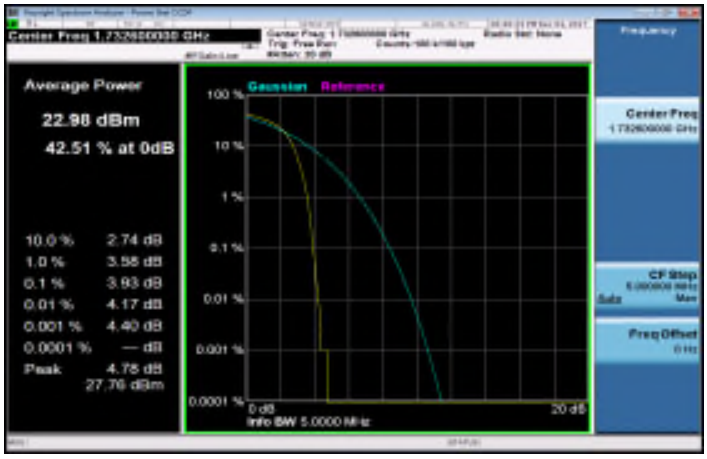
HSDPA_B4_LowCH1312-1712.4



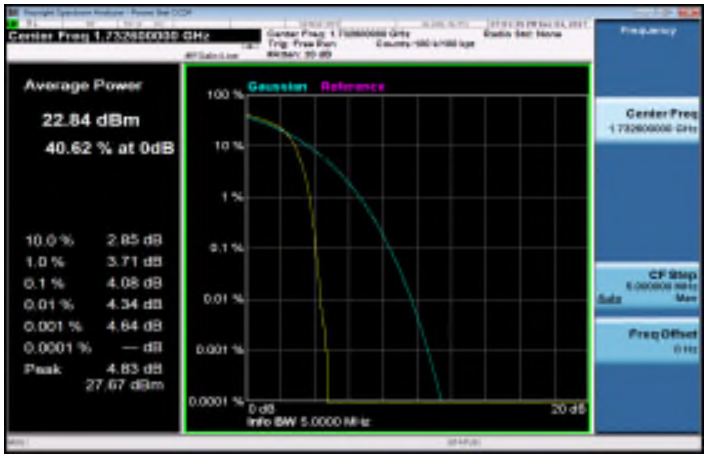
HSUPA_B4_LowCH1312-1712.4



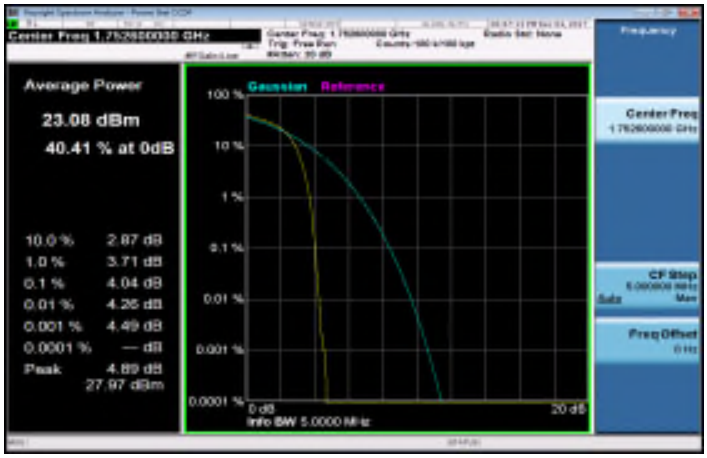
HSDPA_B4_MidCH1413-1732.6



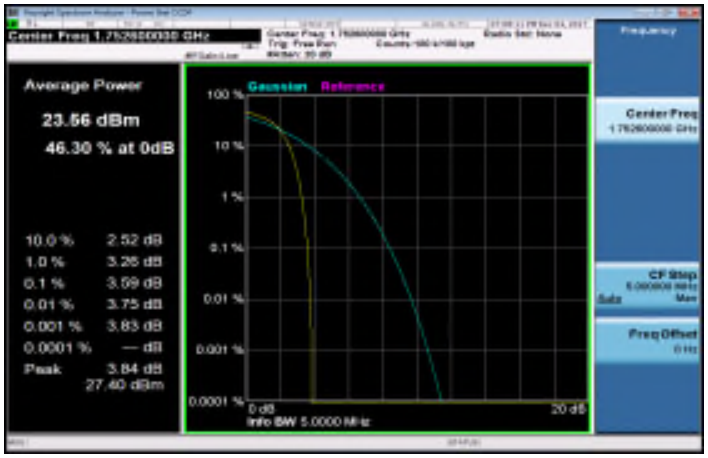
HSUPA_B4_MidCH1413-1732.6



HSDPA_B4_HighCH1513-1752.6

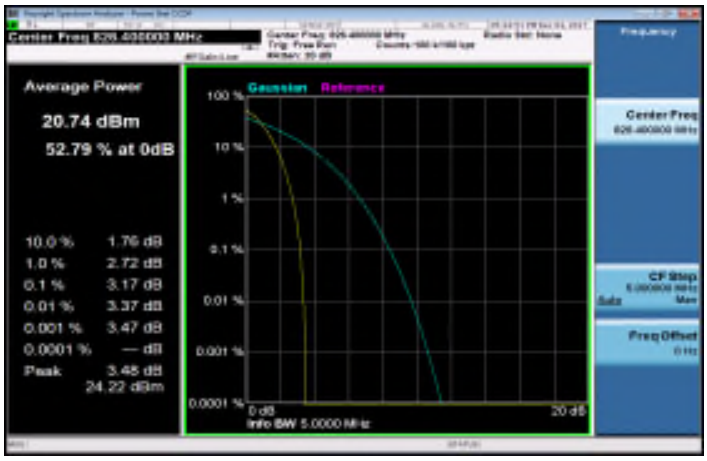


HSUPA_B4_HighCH1513-1752.6

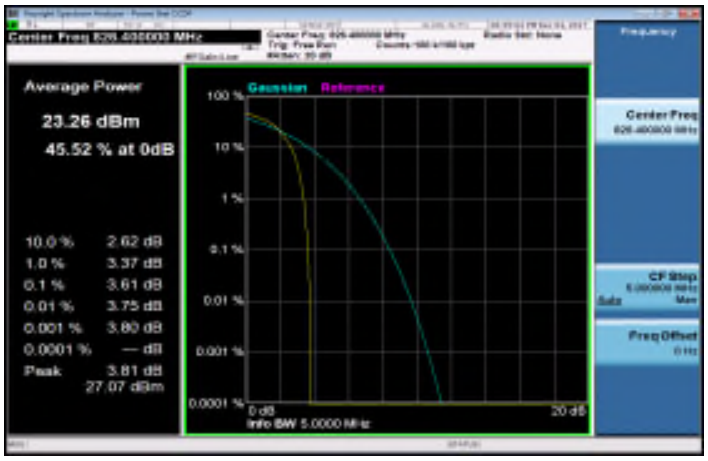


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

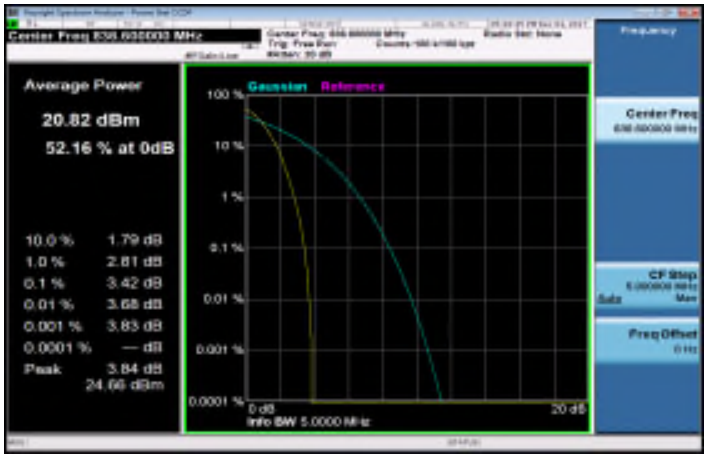
WCDMA_B5_LowCH4132-826.4



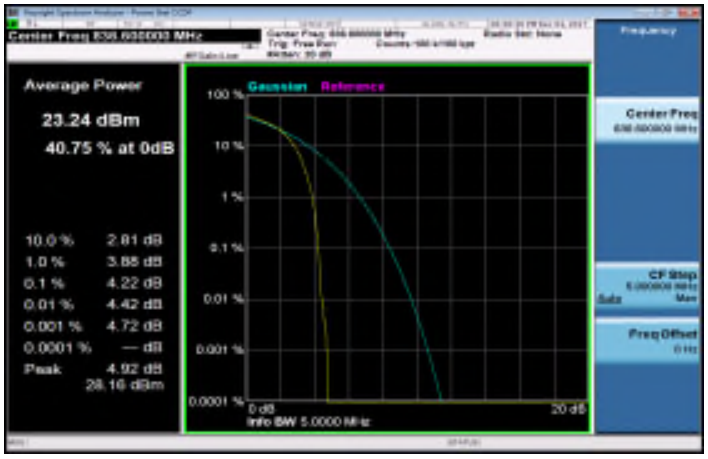
HSDPA_B5_LowCH4132-826.4



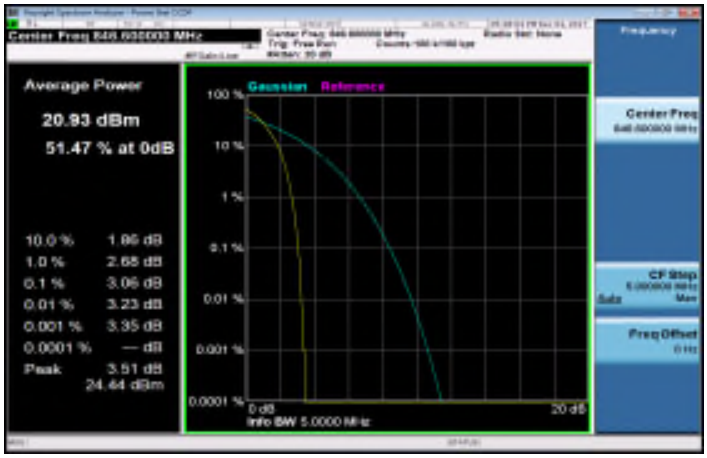
WCDMA_B5_MidCH4183-836.6



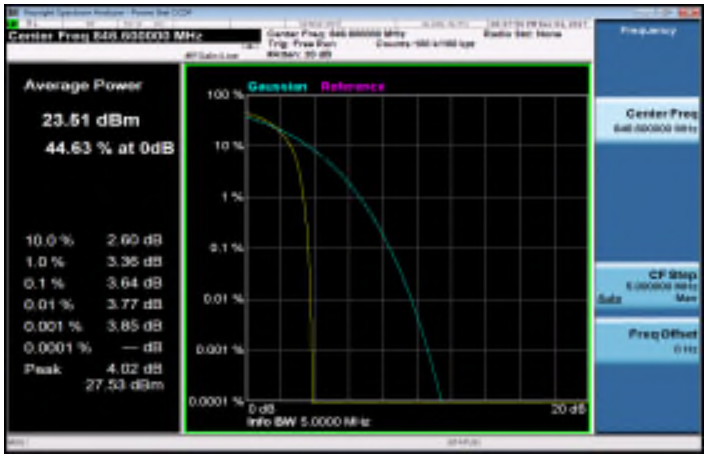
HSDPA_B5_MidCH4183-836.6



WCDMA_B5_HighCH4233-846.6

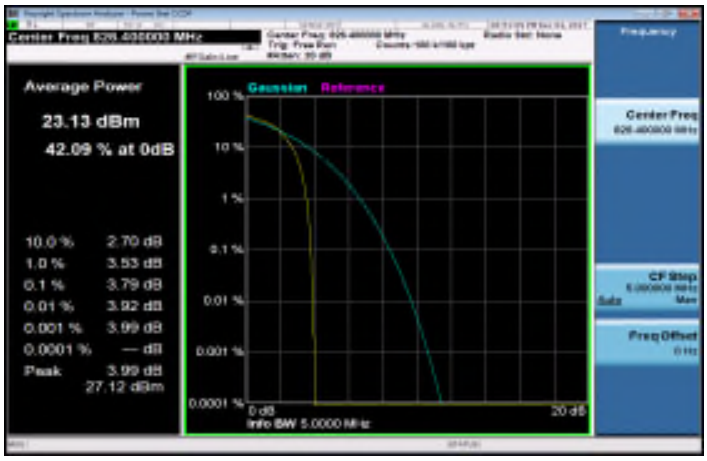


HSDPA_B5_HighCH4233-846.6

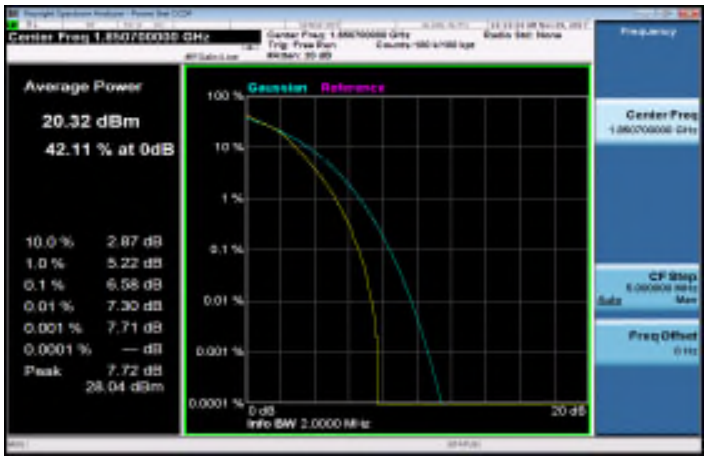


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

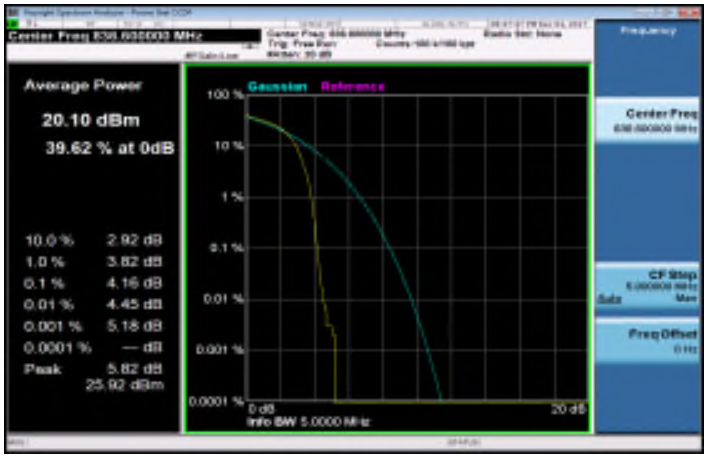
HSUPA_B5_LowCH4132-826.4



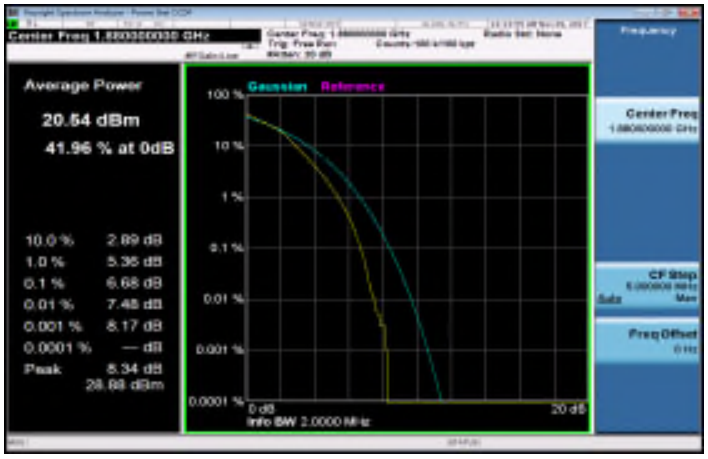
LTE_Band2_1_4MHz_16QAM_6_0_LowCH18607-1850.7



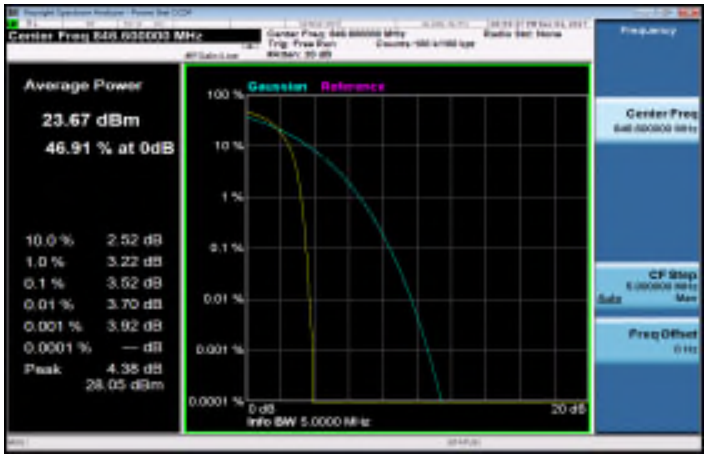
HSUPA_B5_MidCH4183-836.6



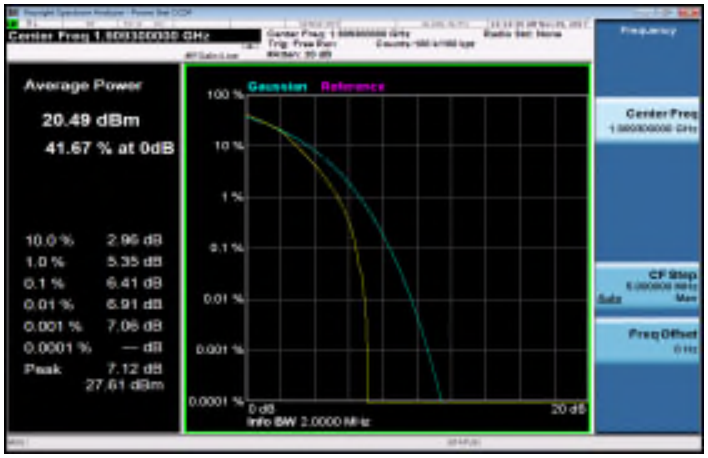
LTE_Band2_1_4MHz_16QAM_6_0_MidCH18900-1880



HSUPA_B5_HighCH4233-846.6

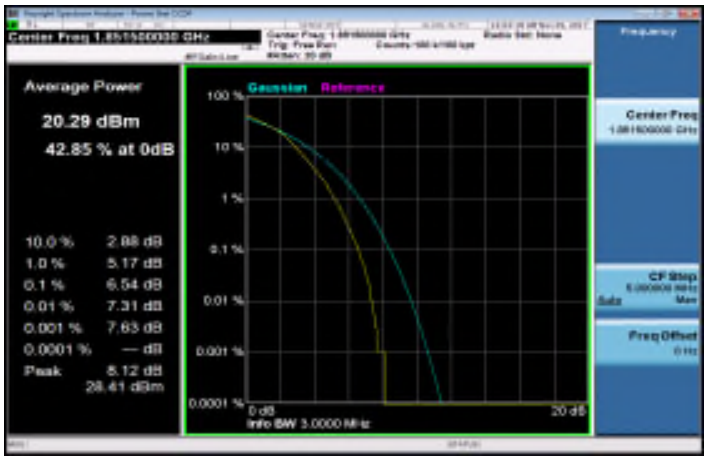


LTE_Band2_1_4MHz_16QAM_6_0_HighCH19193-1909.3

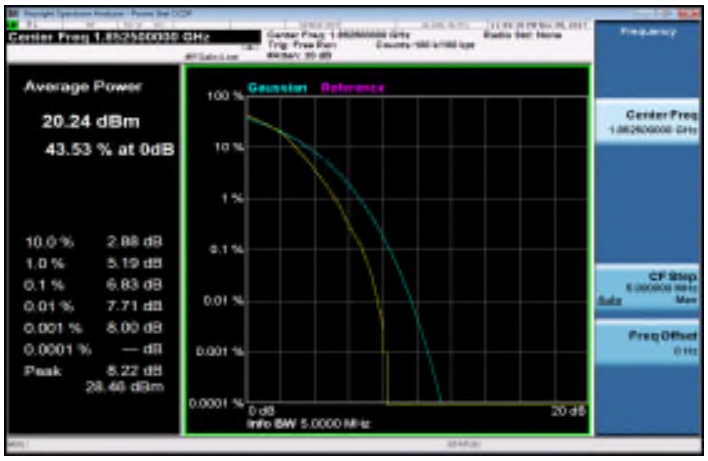


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

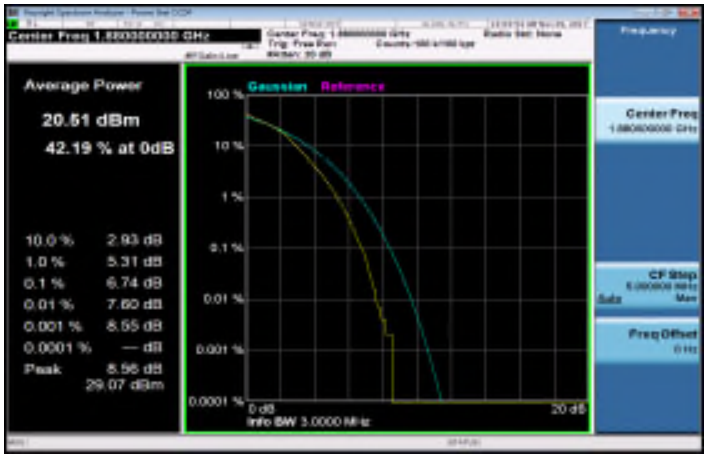
LTE_Band2_3MHz_16QAM_15_0_LowCH18615-1851.5



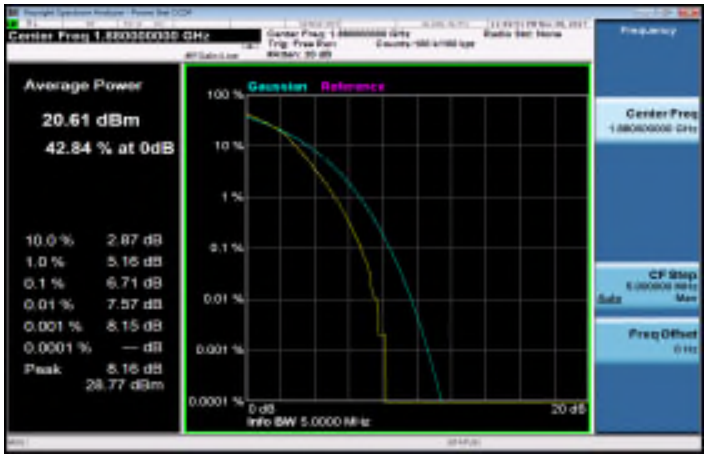
LTE_Band2_5MHz_16QAM_25_0_LowCH18625-1852.5



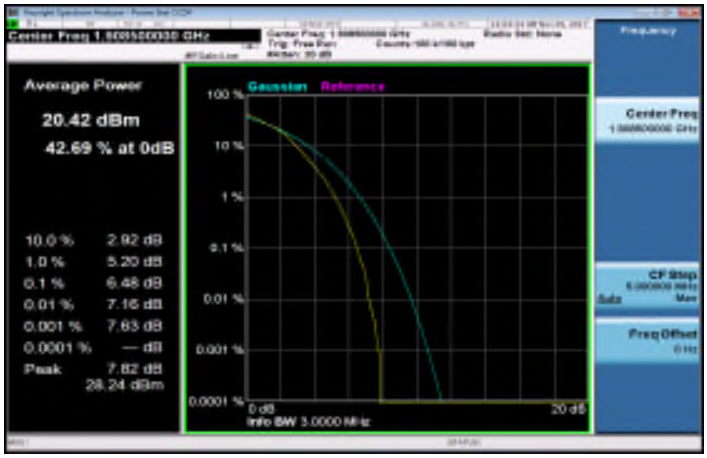
LTE_Band2_3MHz_16QAM_15_0_MidCH18900-1880



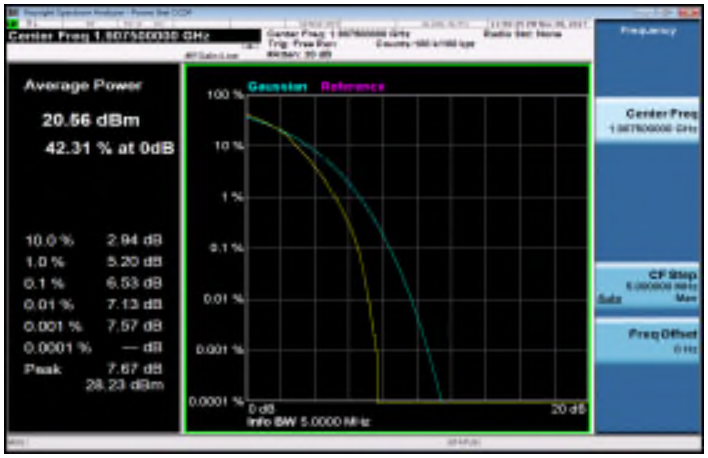
LTE_Band2_5MHz_16QAM_25_0_MidCH18900-1880



LTE_Band2_3MHz_16QAM_15_0_HighCH19185-1908.5

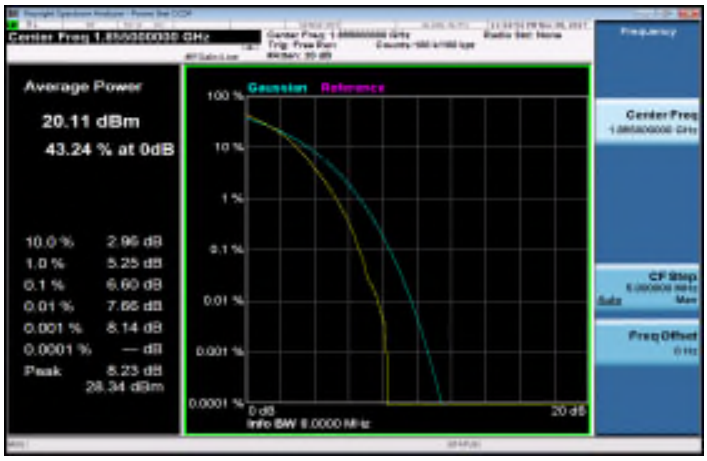


LTE_Band2_5MHz_16QAM_25_0_HighCH19175-1907.5

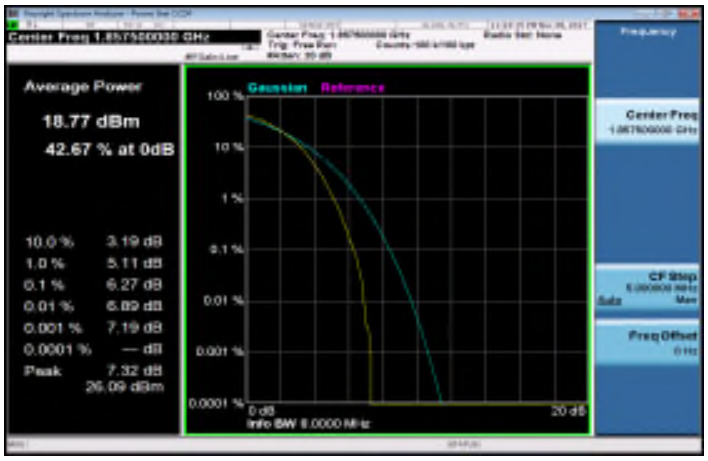


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

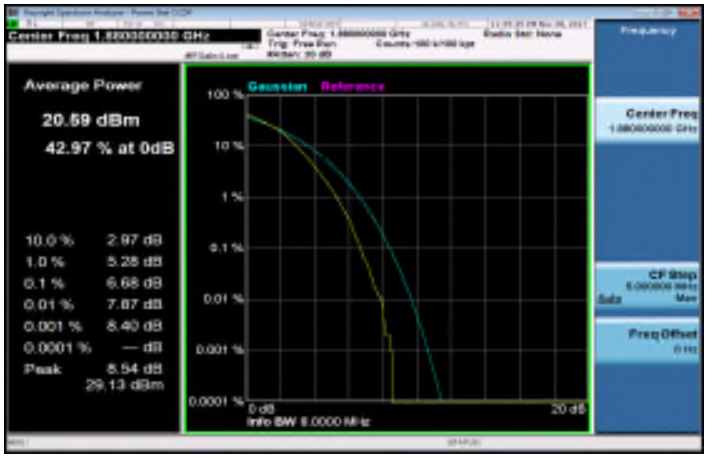
LTE_Band2_10MHz_16QAM_50_0_LowCH18650-1855



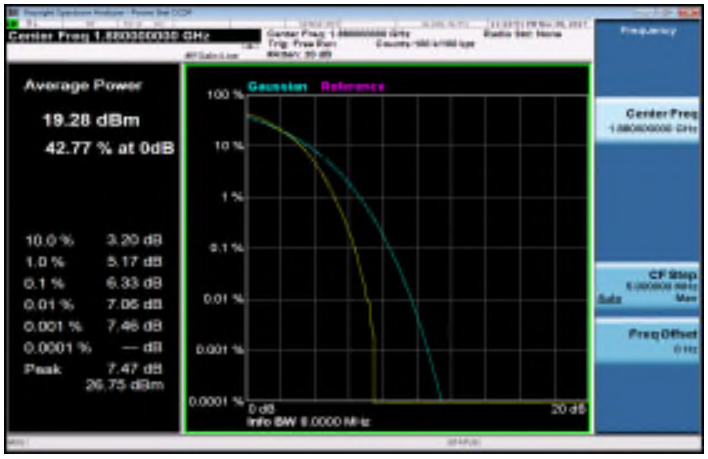
LTE_Band2_15MHz_16QAM_75_0_LowCH18675-1857.5



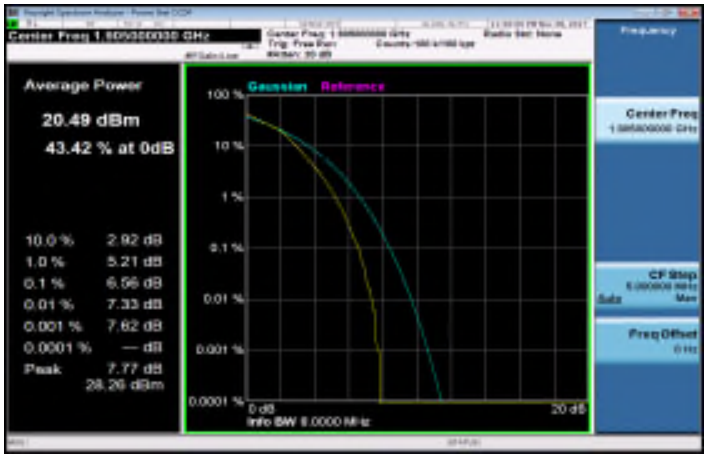
LTE_Band2_10MHz_16QAM_50_0_MidCH18900-1880



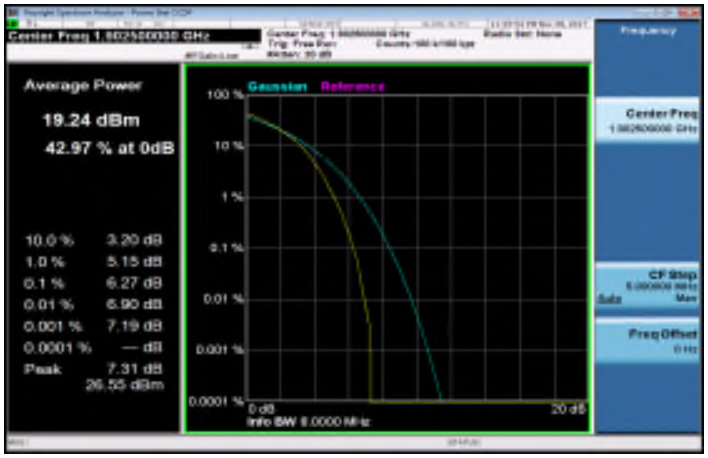
LTE_Band2_15MHz_16QAM_75_0_MidCH18900-1880



LTE_Band2_10MHz_16QAM_50_0_HighCH19150-1905

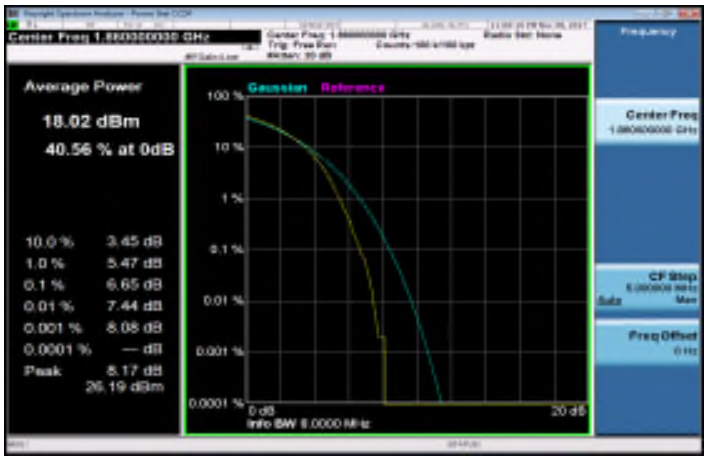


LTE_Band2_15MHz_16QAM_75_0_HighCH19125-1902.5

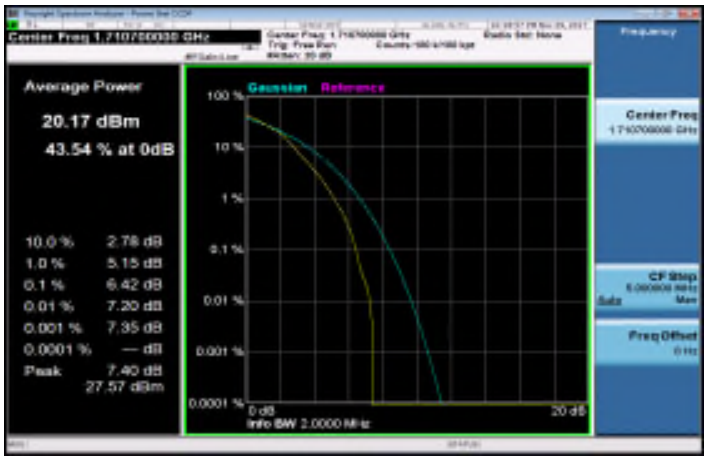


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

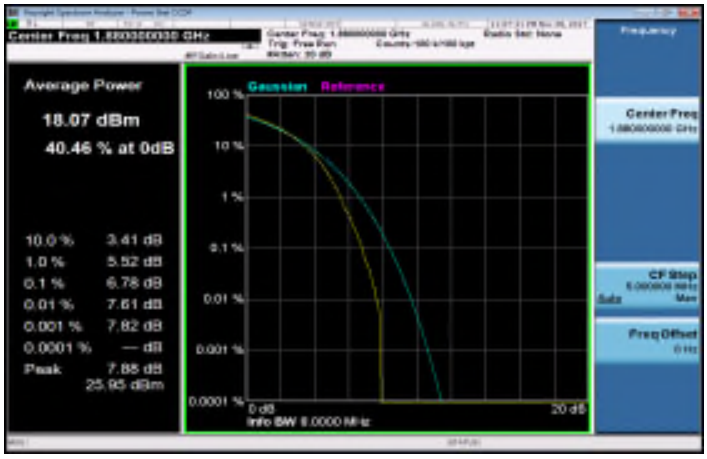
LTE_Band2_20MHz_16QAM_100_0_LowCH18700-1860



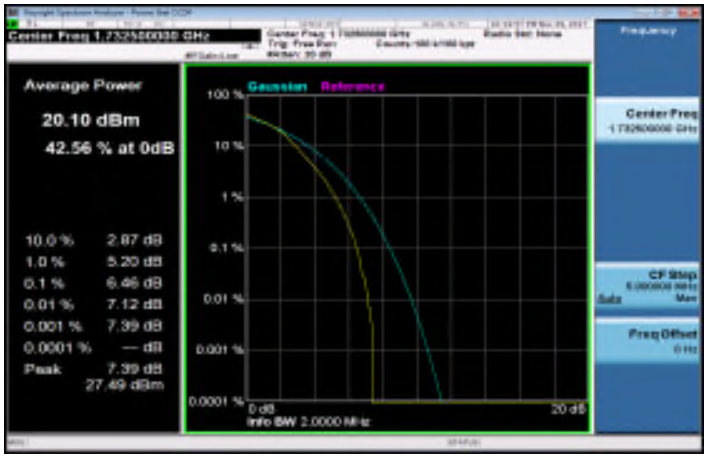
LTE_Band4_1_4MHz_16QAM_6_0_LowCH19957-1710.7



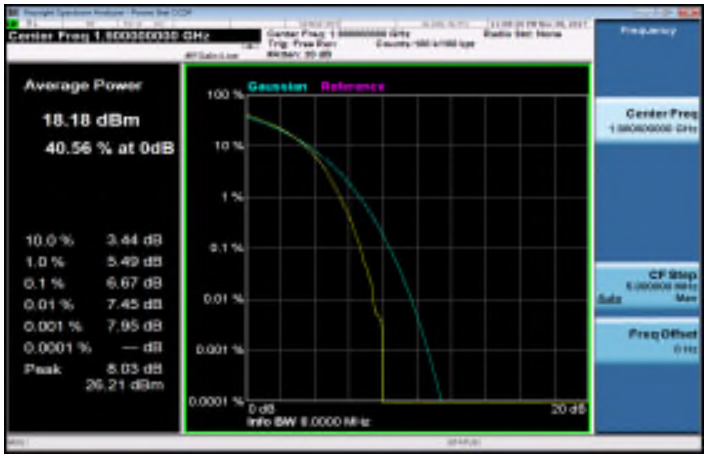
LTE_Band2_20MHz_16QAM_100_0_MidCH18900-1880



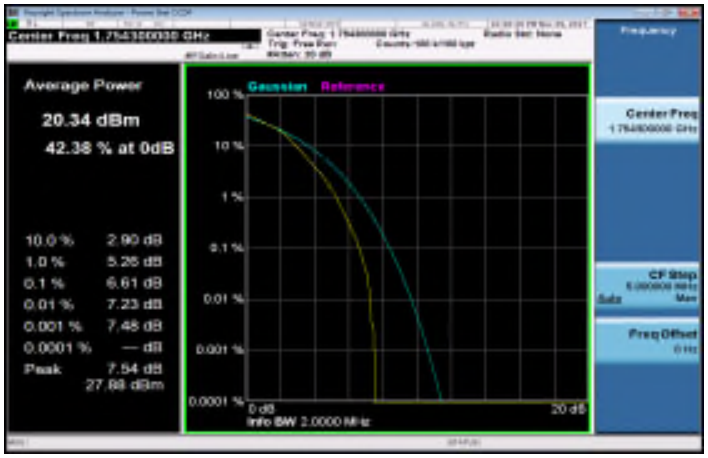
LTE_Band4_1_4MHz_16QAM_6_0_MidCH20175-1732.5



LTE_Band2_20MHz_16QAM_100_0_HighCH19100-1900

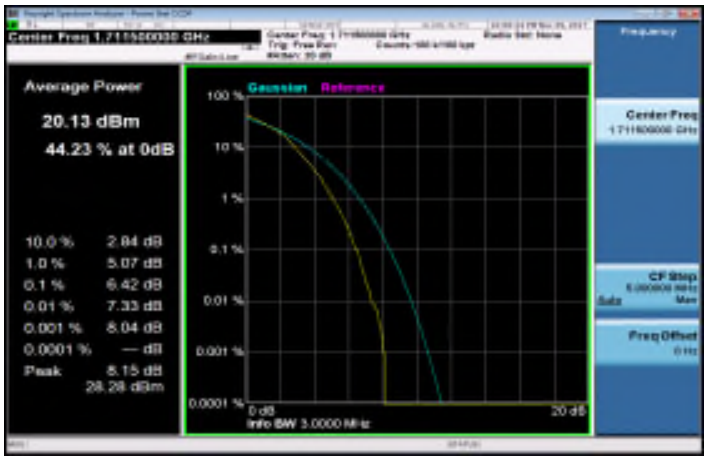


LTE_Band4_1_4MHz_16QAM_6_0_HighCH20393-1754.3

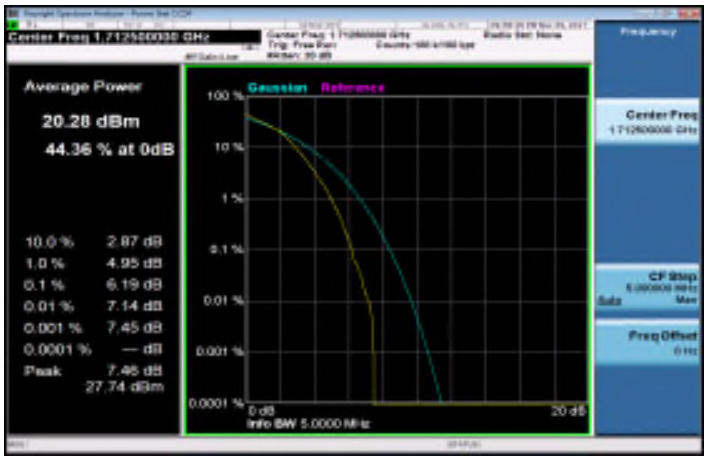


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

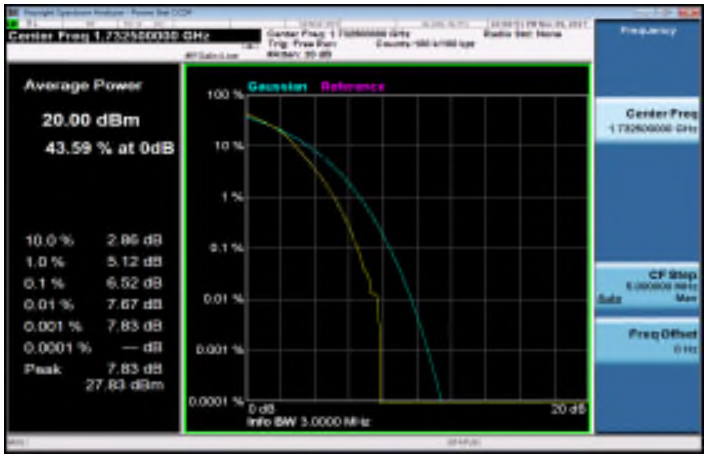
LTE_Band4_3MHz_16QAM_15_0_LowCH19965-1711.5



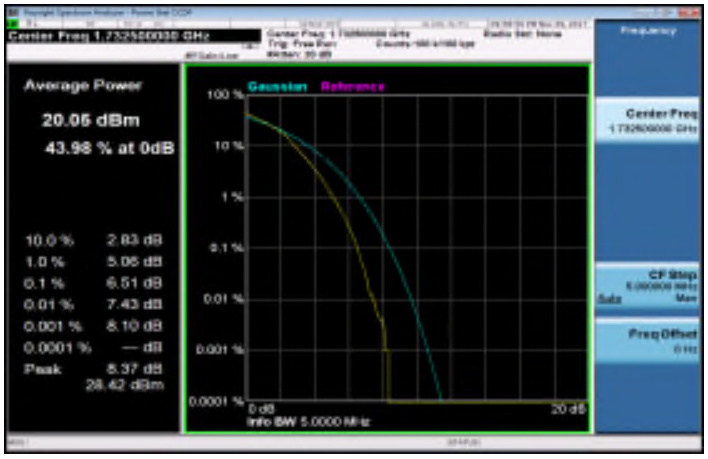
LTE_Band4_5MHz_16QAM_25_0_LowCH19975-1712.5



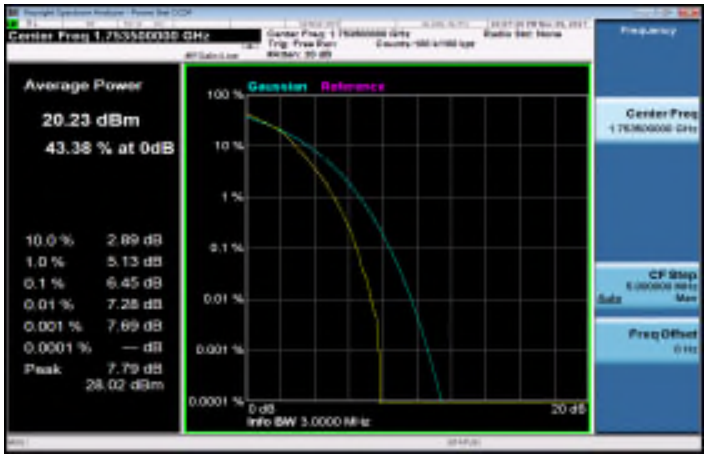
LTE_Band4_3MHz_16QAM_15_0_MidCH20175-1732.5



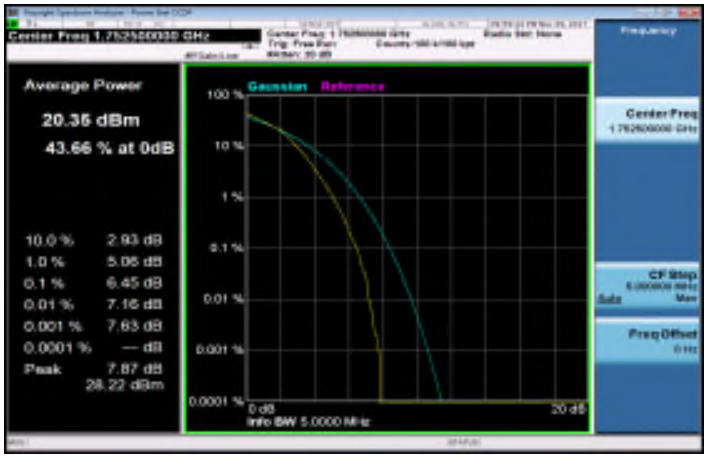
LTE_Band4_5MHz_16QAM_25_0_MidCH20175-1732.5



LTE_Band4_3MHz_16QAM_15_0_HighCH20385-1753.5

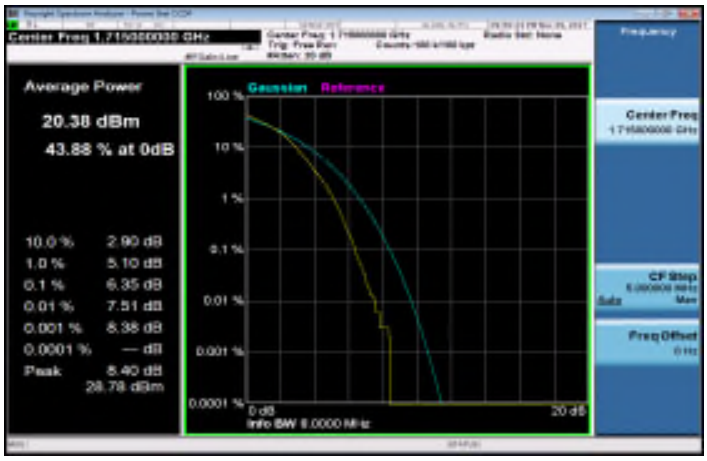


LTE_Band4_5MHz_16QAM_25_0_HighCH20375-1752.5

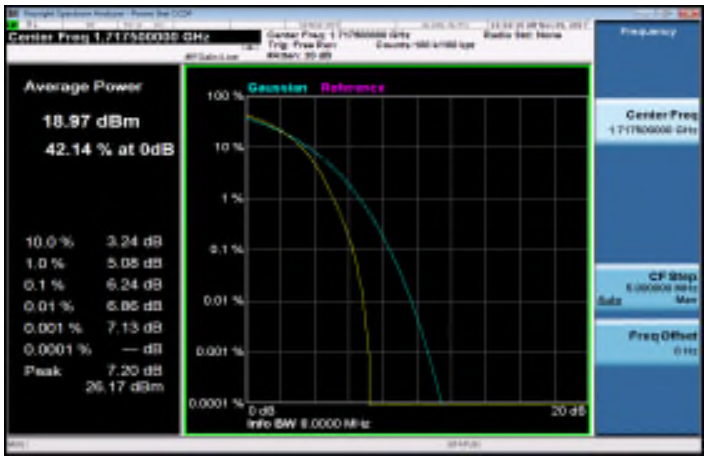


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

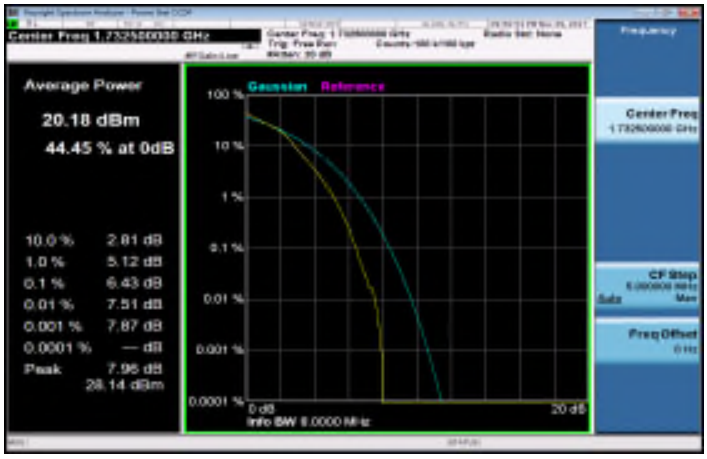
LTE_Band4_10MHz_16QAM_50_0_LowCH20000-1715



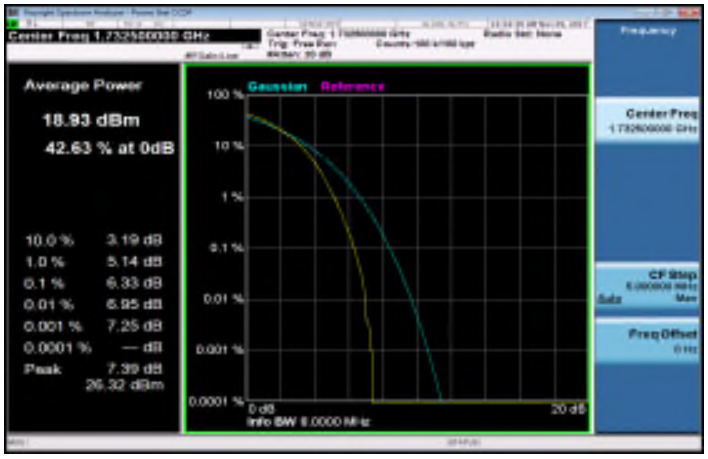
LTE_Band4_15MHz_16QAM_75_0_LowCH20025-1717.5



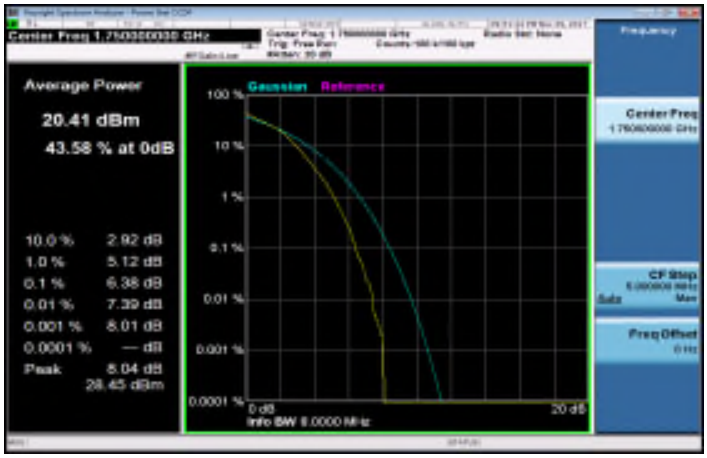
LTE_Band4_10MHz_16QAM_50_0_MidCH20175-1732.5



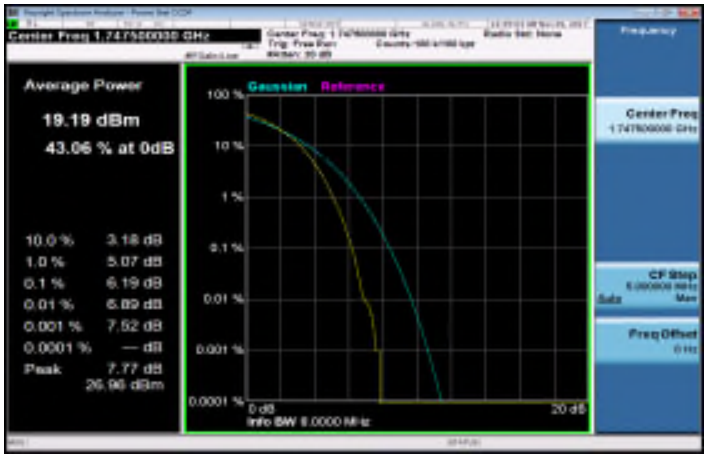
LTE_Band4_15MHz_16QAM_75_0_MidCH20175-1732.5



LTE_Band4_10MHz_16QAM_50_0_HighCH20350-1750

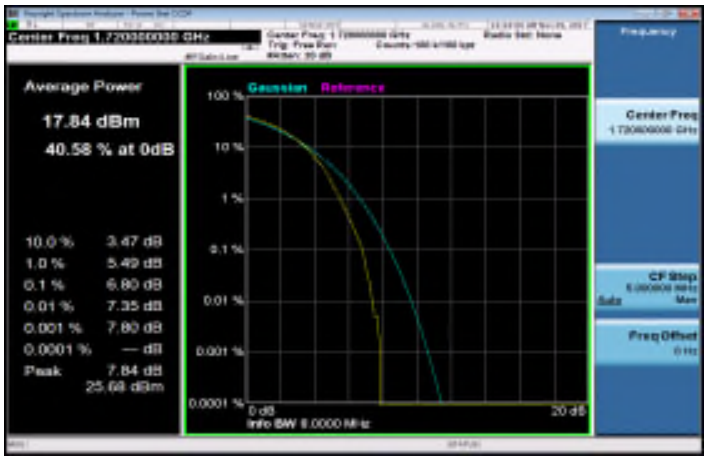


LTE_Band4_15MHz_16QAM_75_0_HighCH20325-1747.5

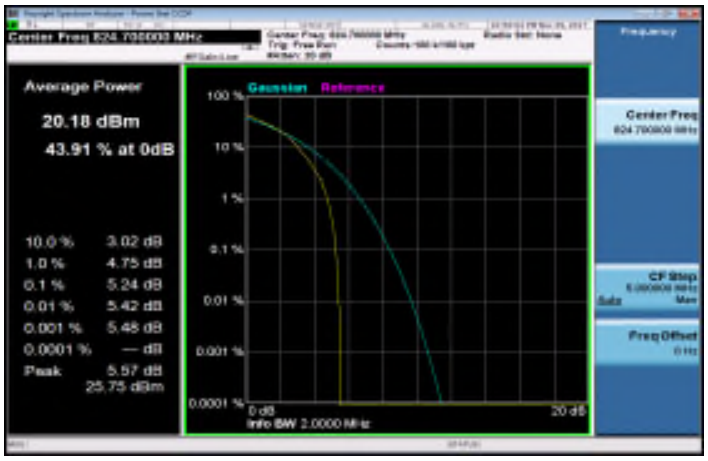


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

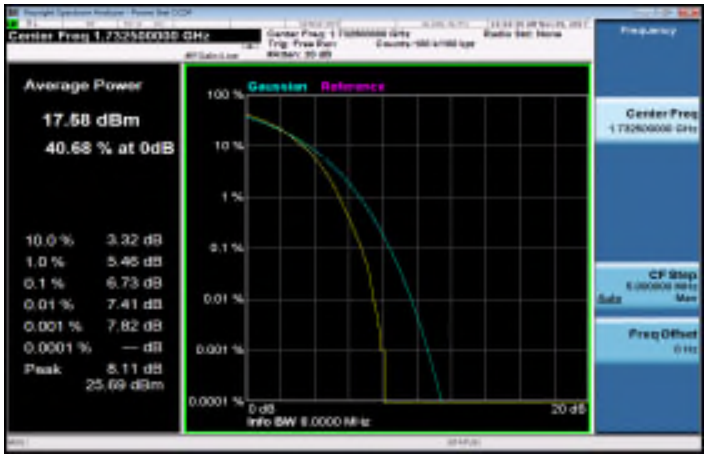
LTE_Band4_20MHz_16QAM_100_0_LowCH20050-1720



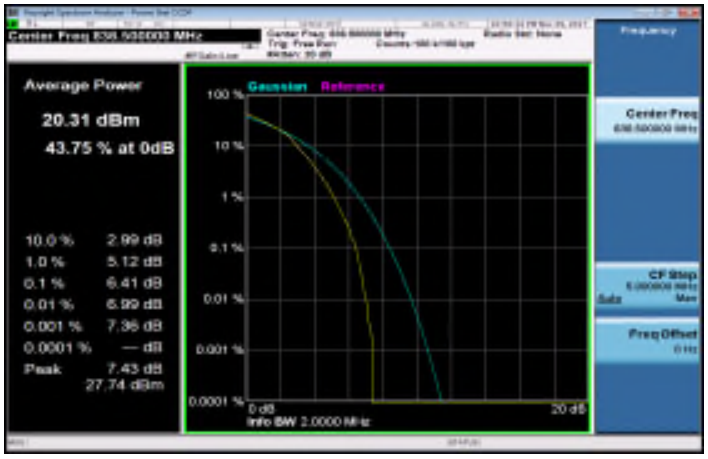
LTE_Band5_1_4MHz_16QAM_6_0_LowCH20407-824.7



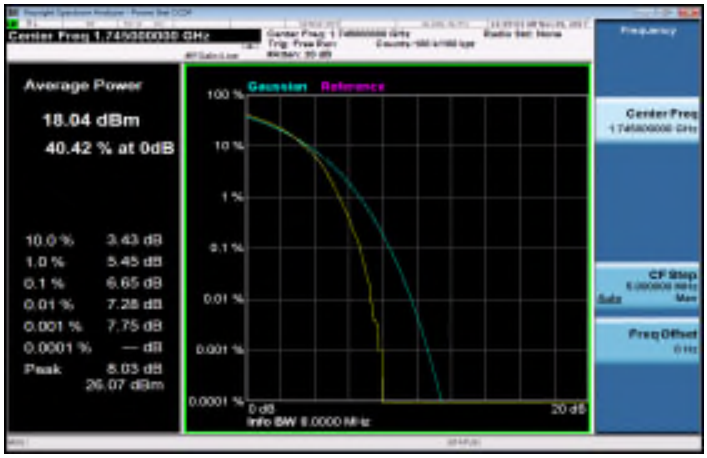
LTE_Band4_20MHz_16QAM_100_0_MidCH20175-1732.5



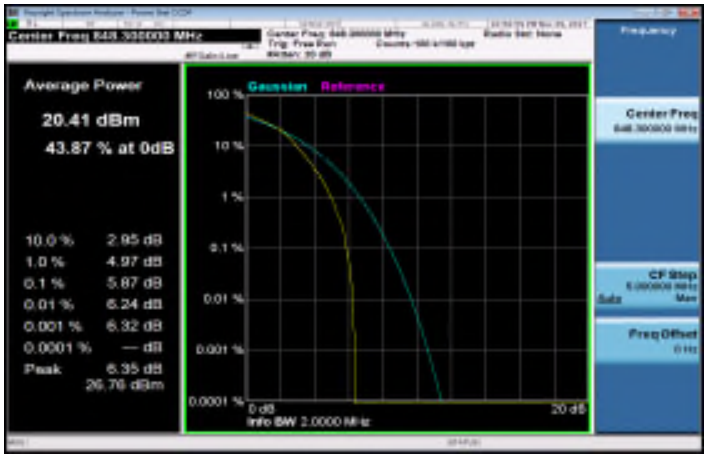
LTE_Band5_1_4MHz_16QAM_6_0_MidCH20525-836.5



LTE_Band4_20MHz_16QAM_100_0_HighCH20300-1745

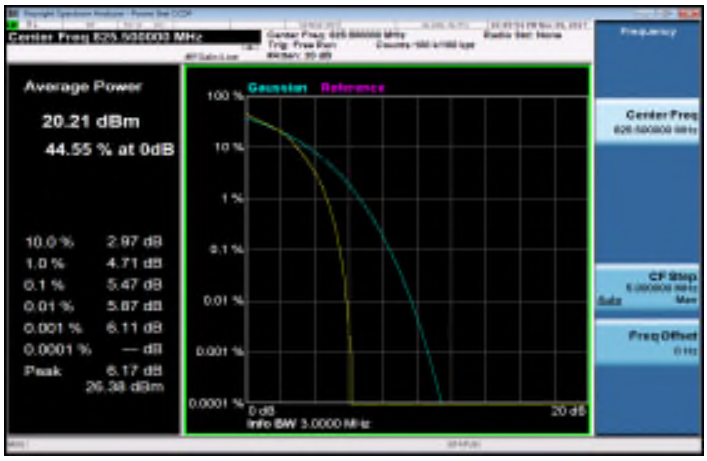


LTE_Band5_1_4MHz_16QAM_6_0_HighCH20643-848.3

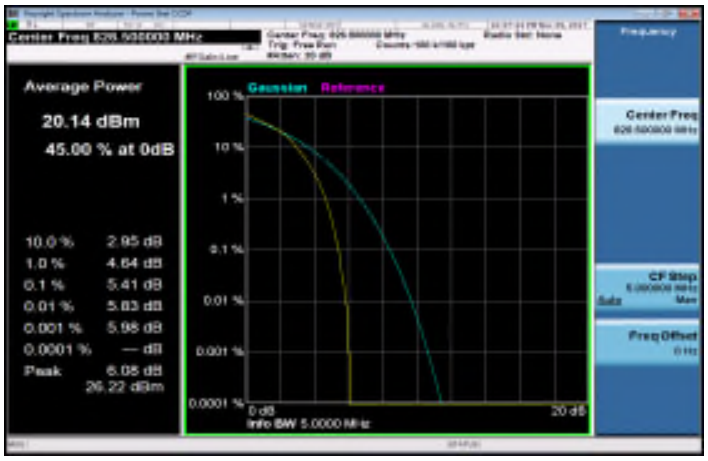


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

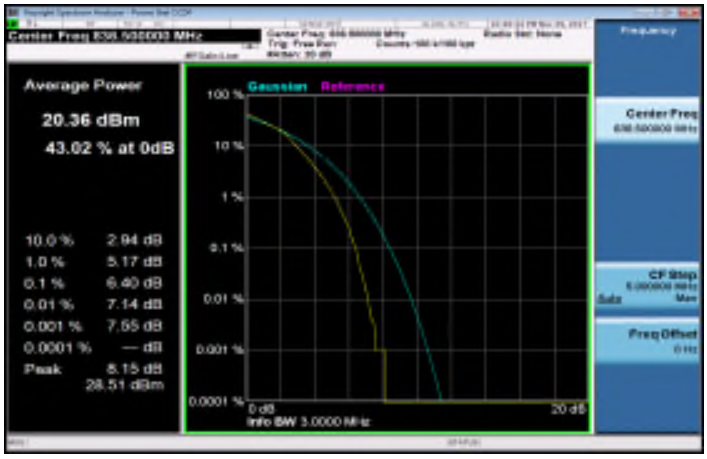
LTE_Band5_3MHz_16QAM_15_0_LowCH20415-825.5



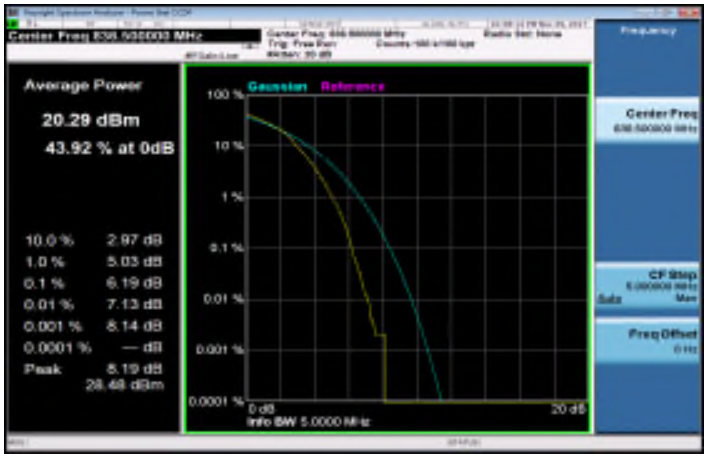
LTE_Band5_5MHz_16QAM_25_0_LowCH20425-826.5



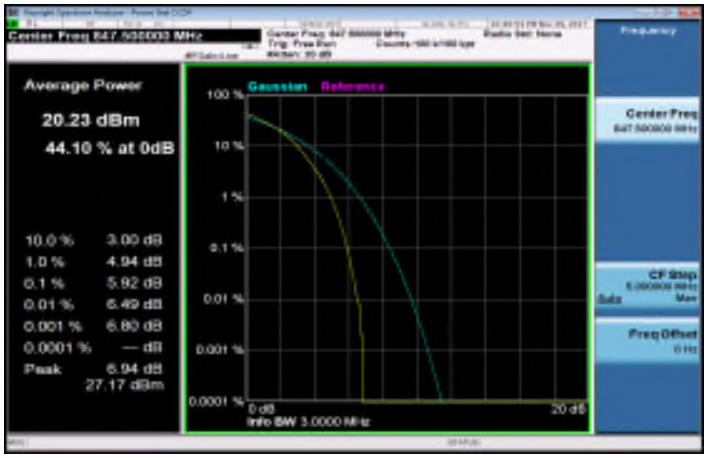
LTE_Band5_3MHz_16QAM_15_0_MidCH20525-836.5



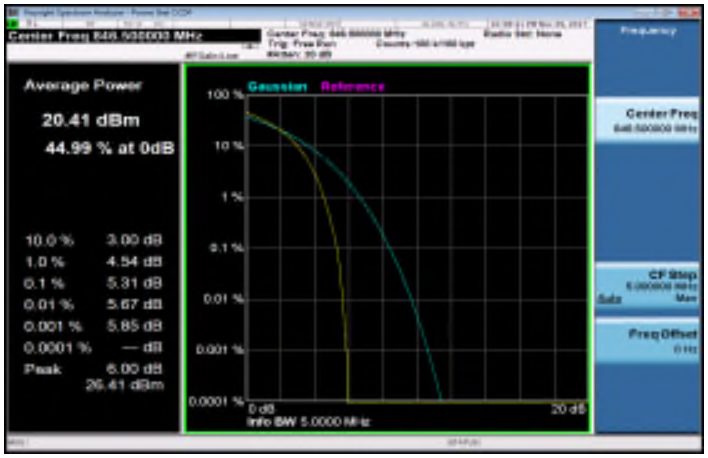
LTE_Band5_5MHz_16QAM_25_0_MidCH20525-836.5



LTE_Band5_3MHz_16QAM_15_0_HighCH20635-847.5

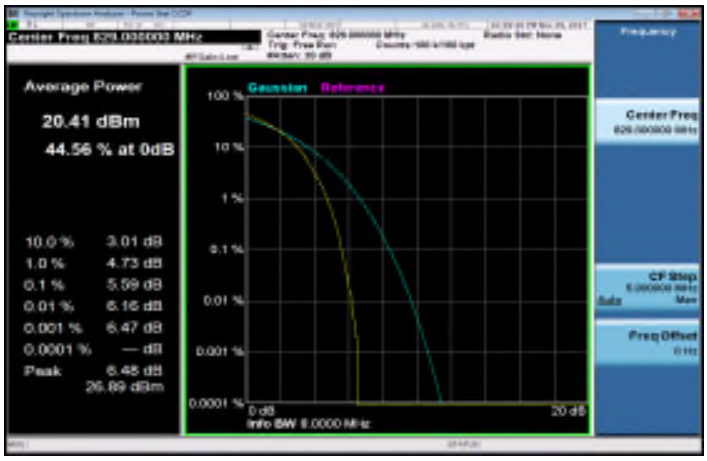


LTE_Band5_5MHz_16QAM_25_0_HighCH20625-846.5

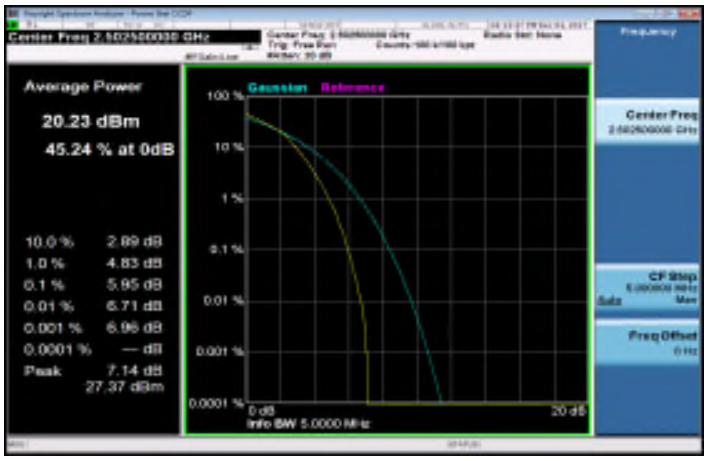


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

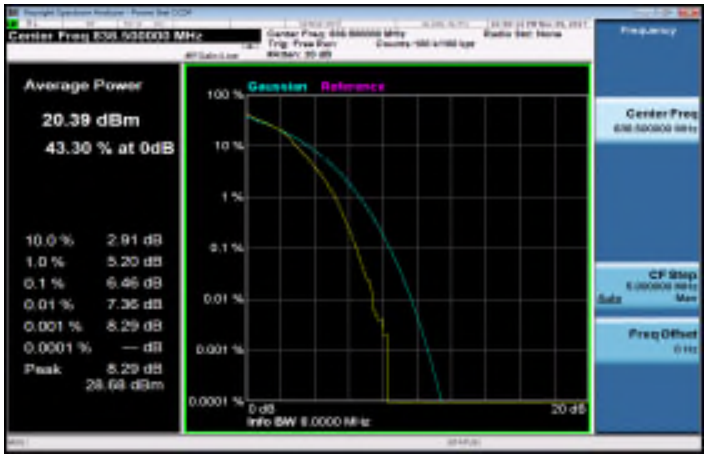
LTE_Band5_10MHz_16QAM_50_0_LowCH20450-829



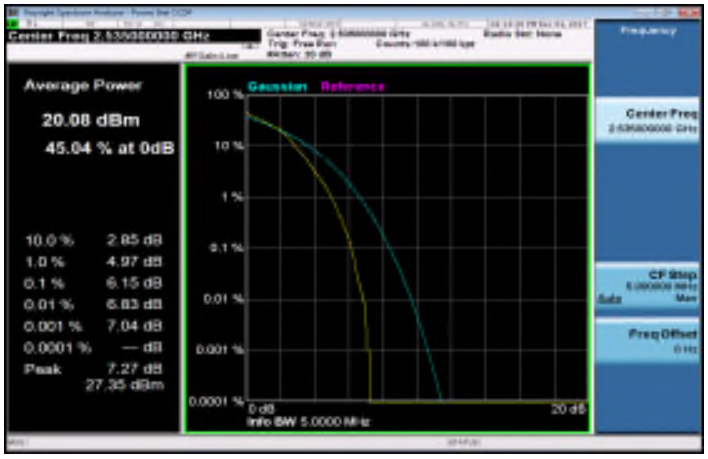
LTE_Band7_5MHz_16QAM_25_0_LowCH20775-2502.5



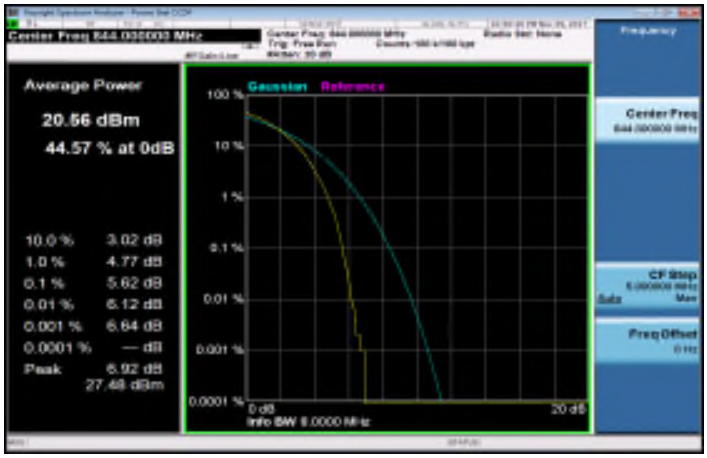
LTE_Band5_10MHz_16QAM_50_0_MidCH20525-836.5



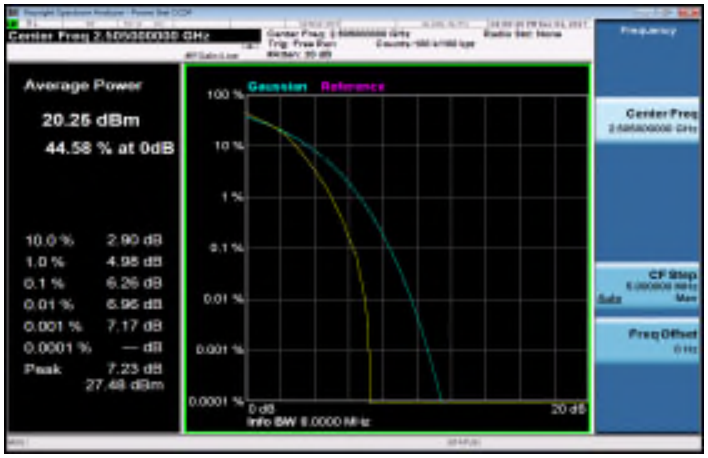
LTE_Band7_5MHz_16QAM_25_0_HighCH21425-2567.5



LTE_Band5_10MHz_16QAM_50_0_HighCH20600-844

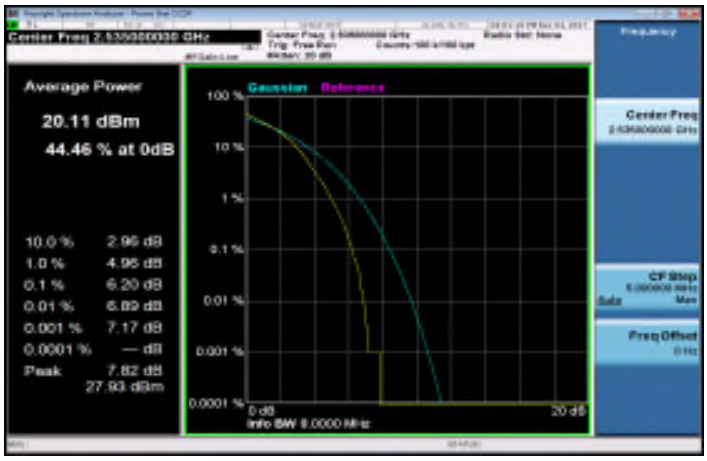


LTE_Band7_10MHz_16QAM_50_0_LowCH20800-2505

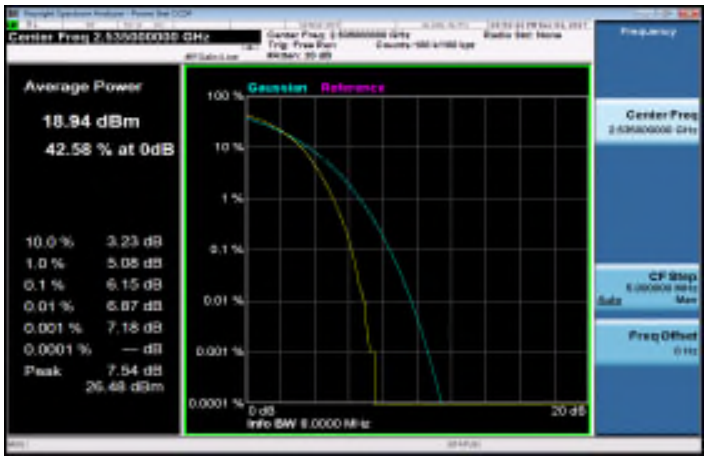


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

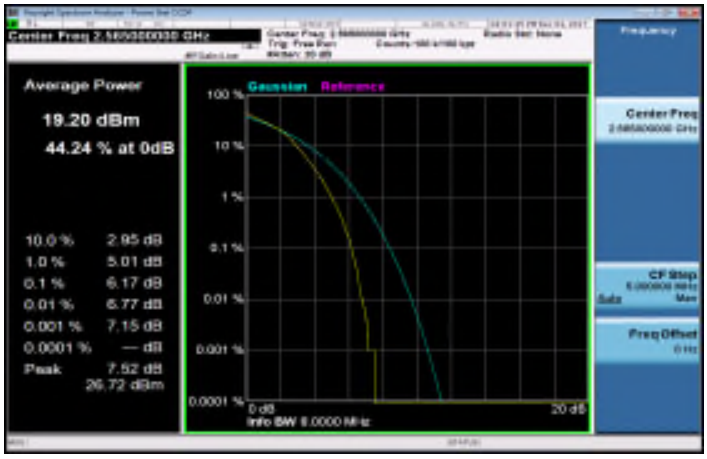
LTE_Band7_10MHz_16QAM_50_0_MidCH21100-2535



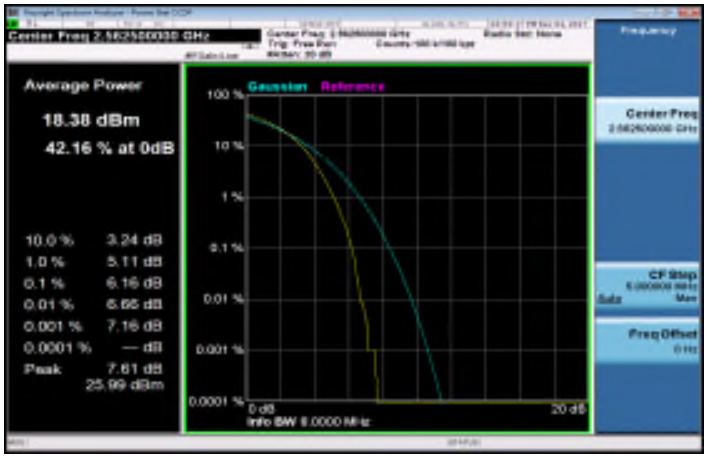
LTE_Band7_15MHz_16QAM_75_0_MidCH21100-2535



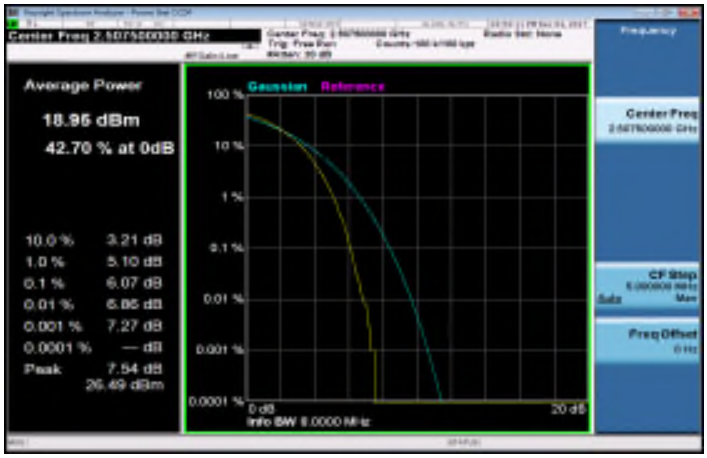
LTE_Band7_10MHz_16QAM_50_0_HighCH21400-2565



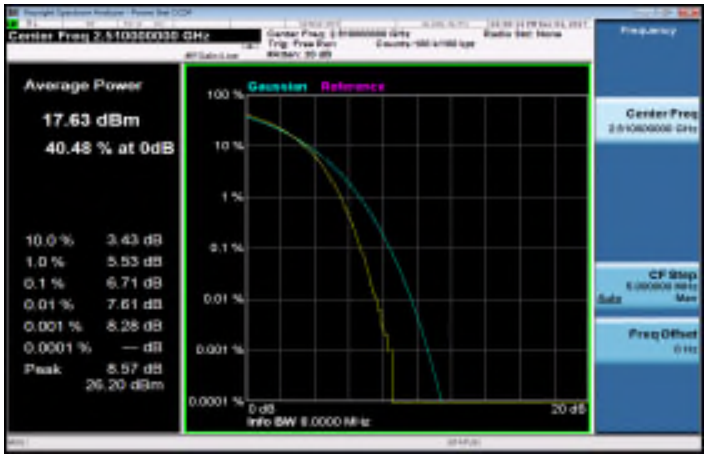
LTE_Band7_15MHz_16QAM_75_0_HighCH21375-2562.5



LTE_Band7_15MHz_16QAM_75_0_LowCH20825-2507.5

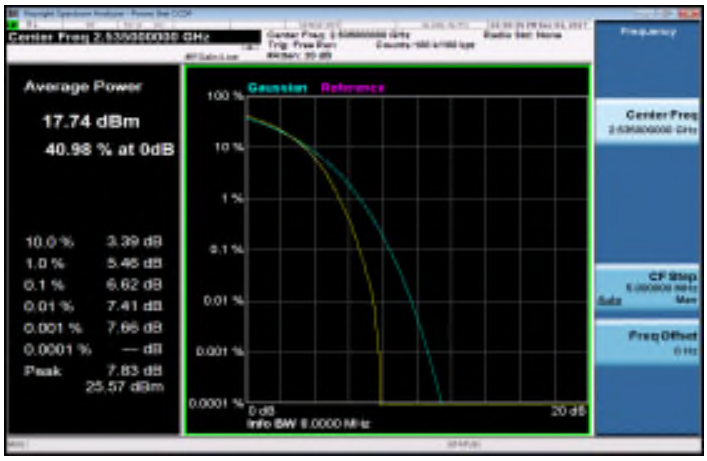


LTE_Band7_20MHz_16QAM_100_0_LowCH20850-2510

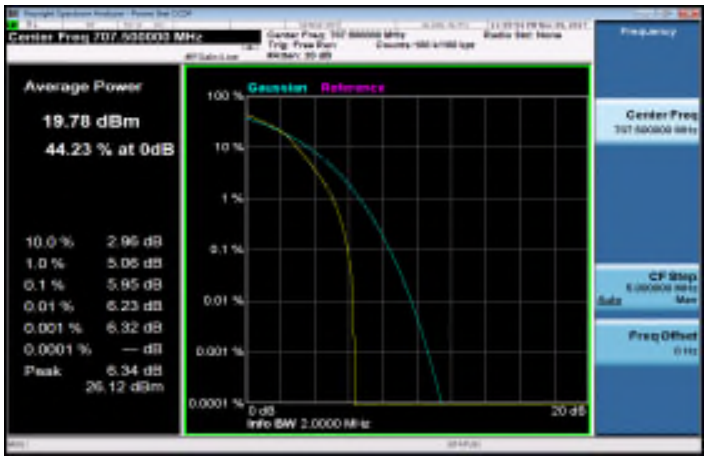


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

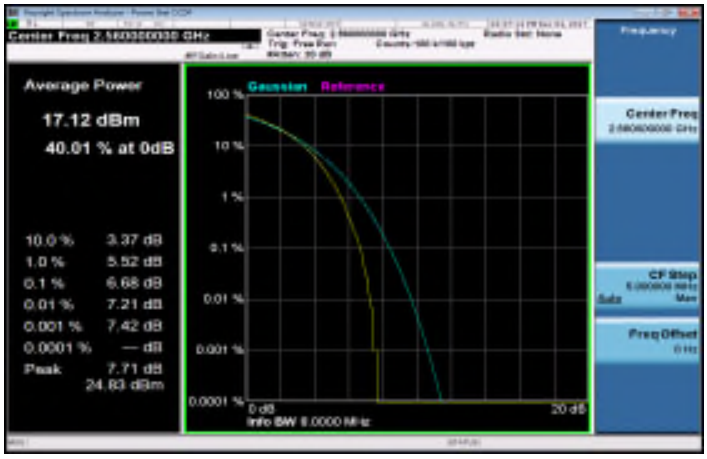
LTE_Band7_20MHz_16QAM_100_0_MidCH21100-2535



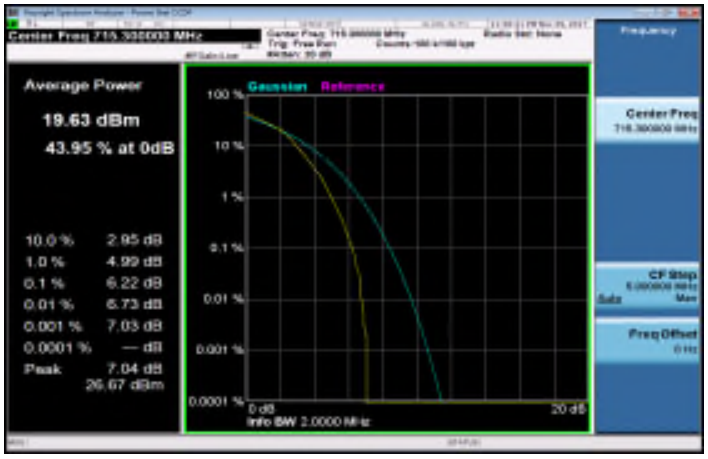
LTE_Band12_1_4MHz_16QAM_6_0_MidCH23095-707.5



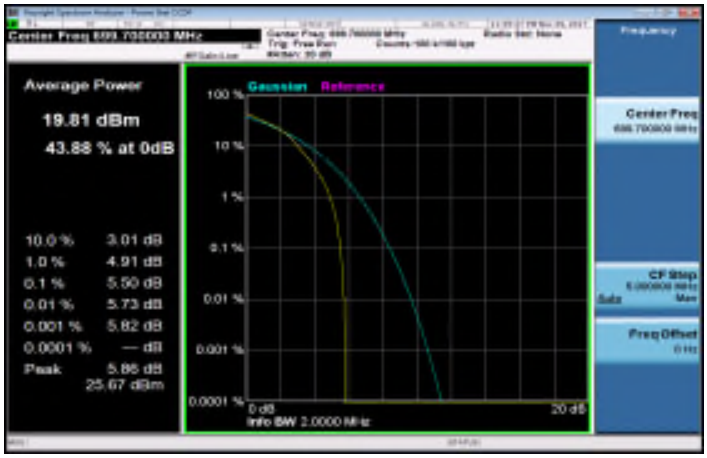
LTE_Band7_20MHz_16QAM_100_0_HighCH21350-2560



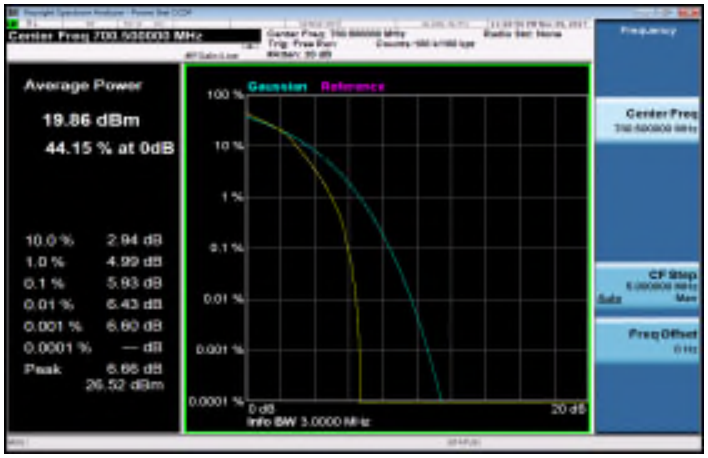
LTE_Band12_1_4MHz_16QAM_6_0_HighCH23173-715.3



LTE_Band12_1_4MHz_16QAM_6_0_LowCH23017-699.7

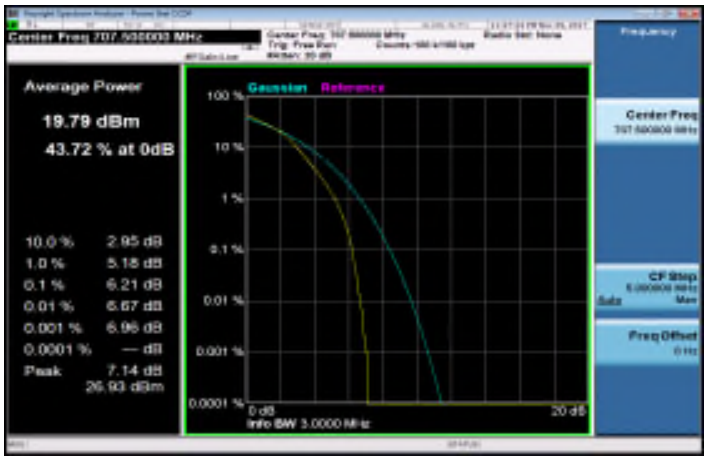


LTE_Band12_3MHz_16QAM_15_0_ LowCH23025-700.5

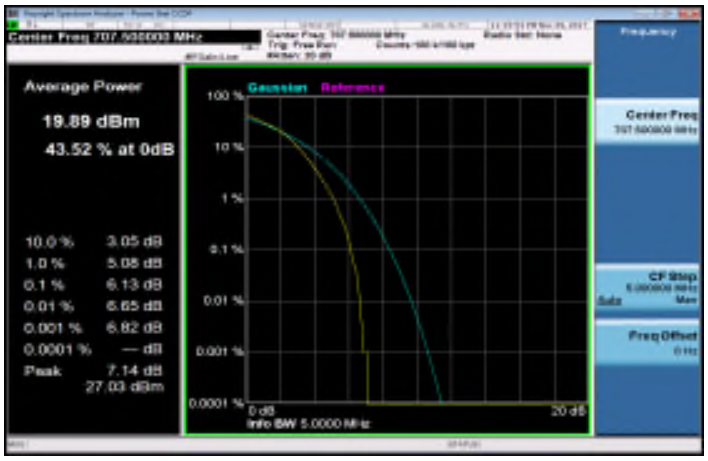


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

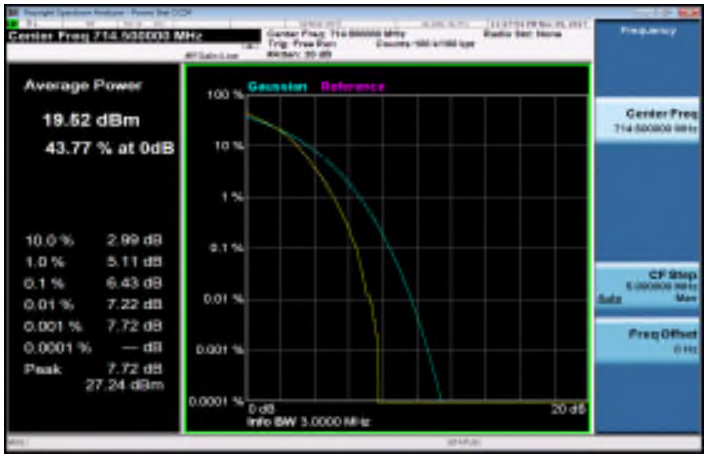
LTE_Band12_3MHz_16QAM_15_0_MidCH23095-707.5



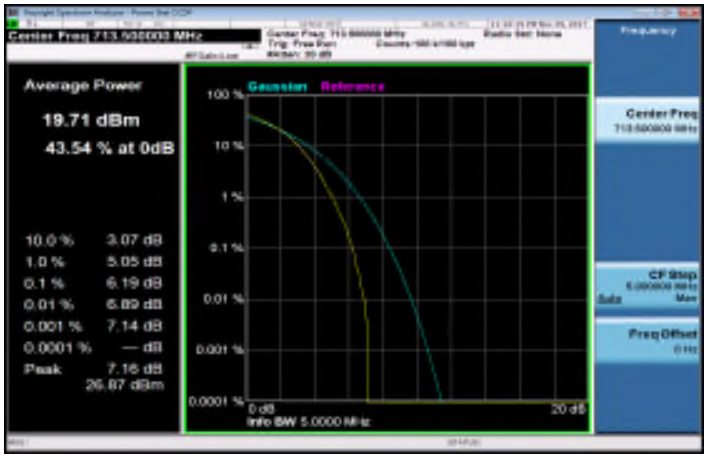
LTE_Band12_5MHz_16QAM_25_0_MidCH23095-707.5



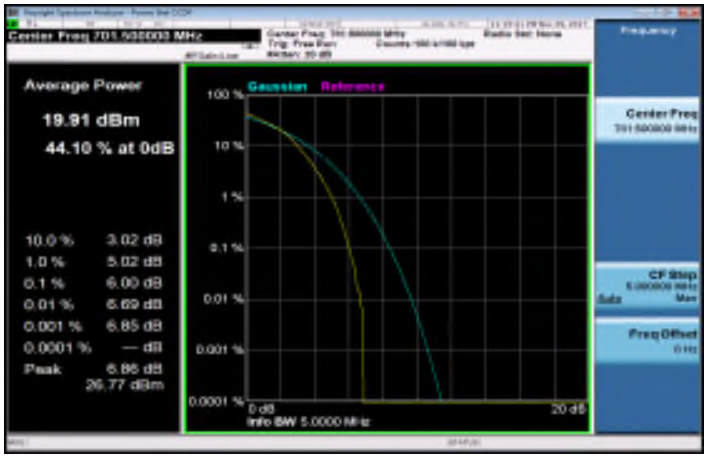
LTE_Band12_3MHz_16QAM_15_0_HighCH23165-714.5



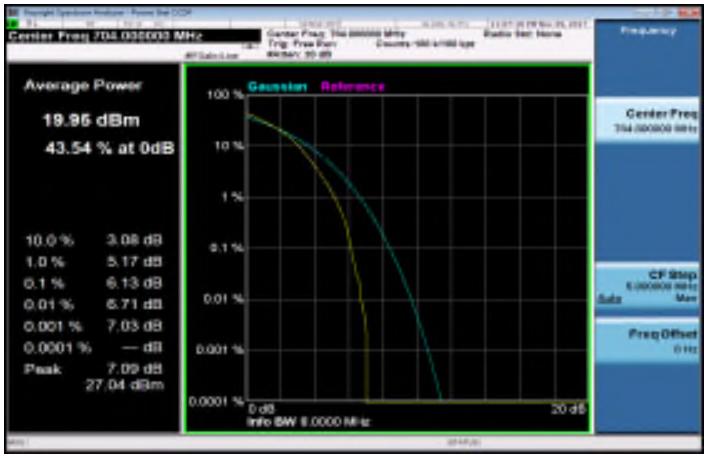
LTE_Band12_5MHz_16QAM_25_0_HighCH23155-713.5



LTE_Band12_5MHz_16QAM_25_0_LowCH23035-701.5

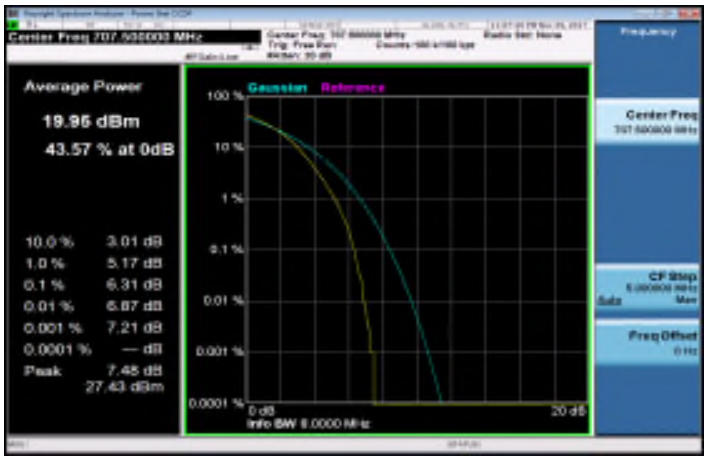


LTE_Band12_10MHz_16QAM_50_0_LowCH23060-704

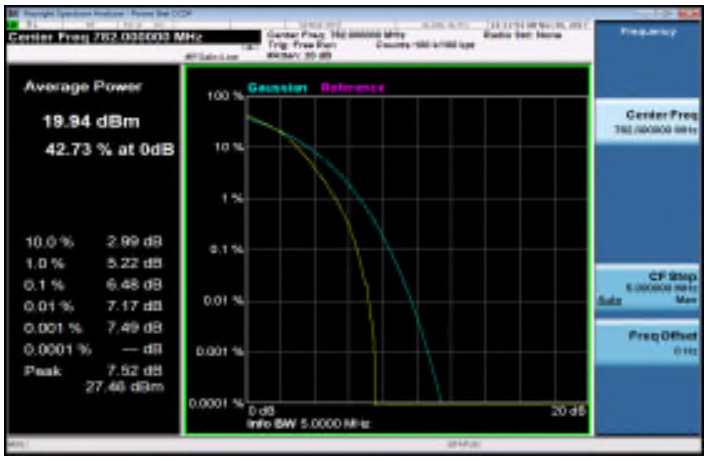


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

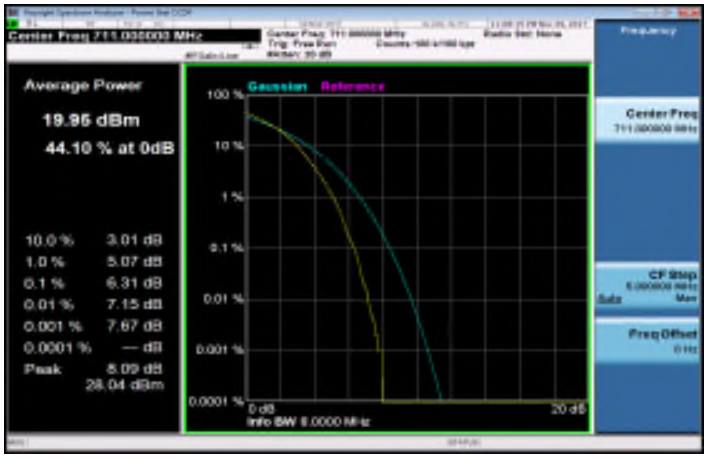
LTE_Band12_10MHz_16QAM_50_0_MidCH23095-707.5



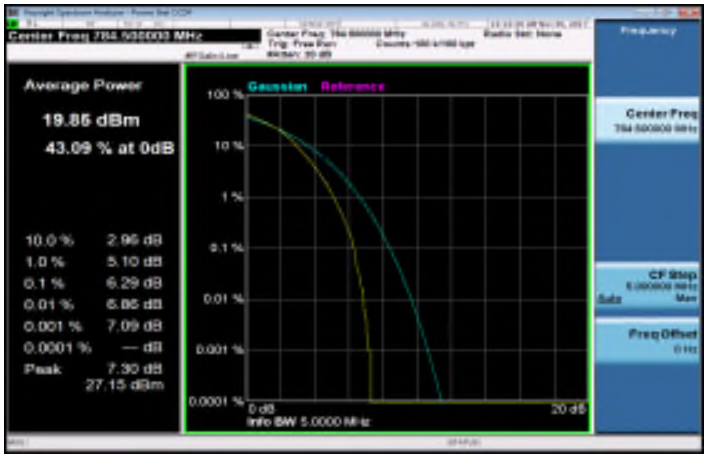
LTE_Band13_5MHz_16QAM_25_0_MidCH23230-782



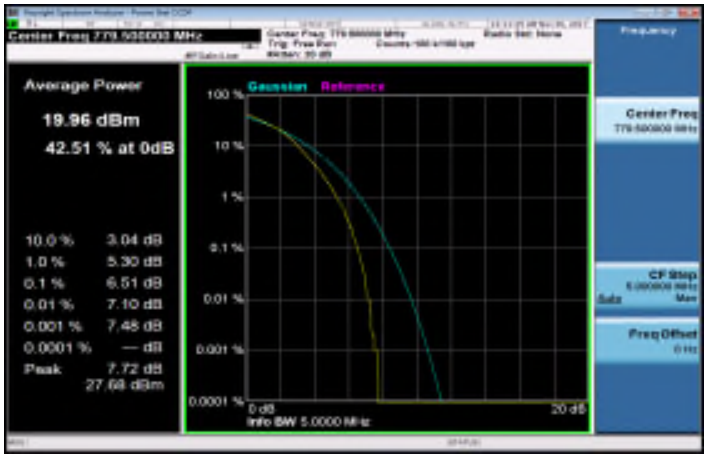
LTE_Band12_10MHz_16QAM_50_0_HighCH23130-711



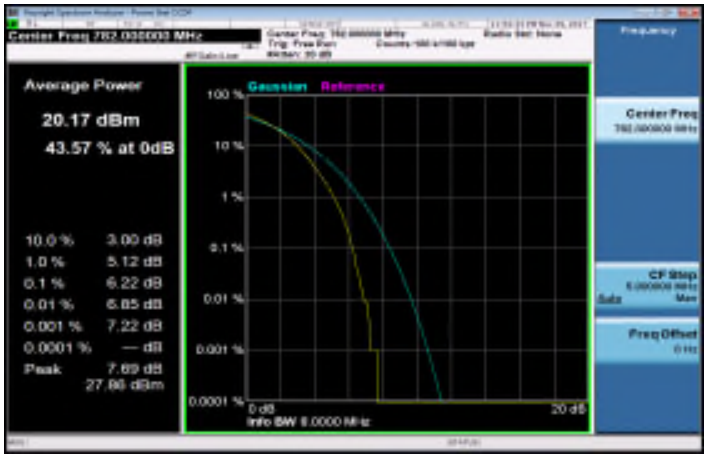
LTE_Band13_5MHz_16QAM_25_0_HighCH23255-784.5



LTE_Band13_5MHz_16QAM_25_0_LowCH23205-779.5

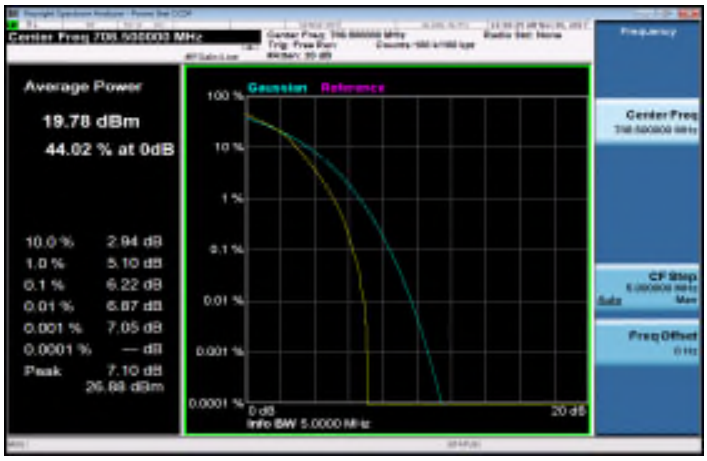


LTE_Band13_10MHz_16QAM_50_0_MidCH23230-782

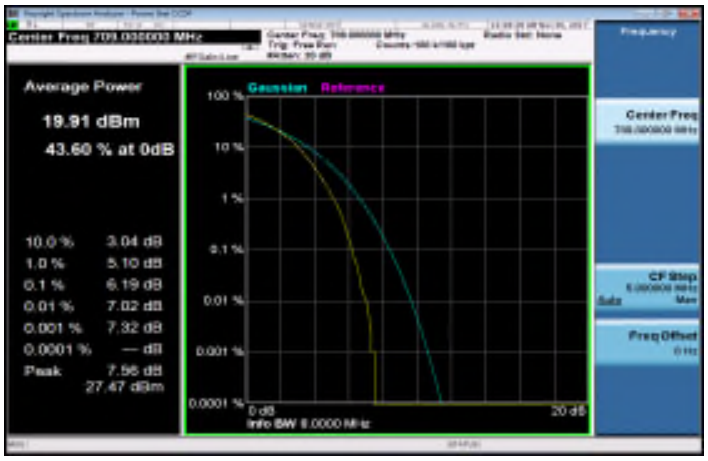


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at 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.

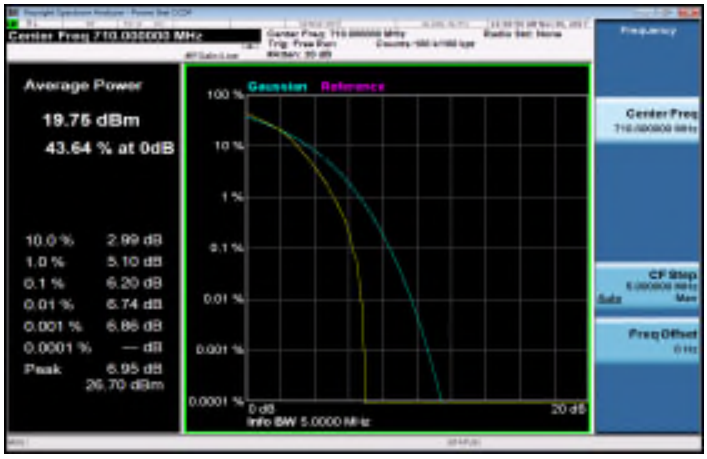
LTE_Band17_5MHz_16QAM_25_0_LowCH23755-706.5



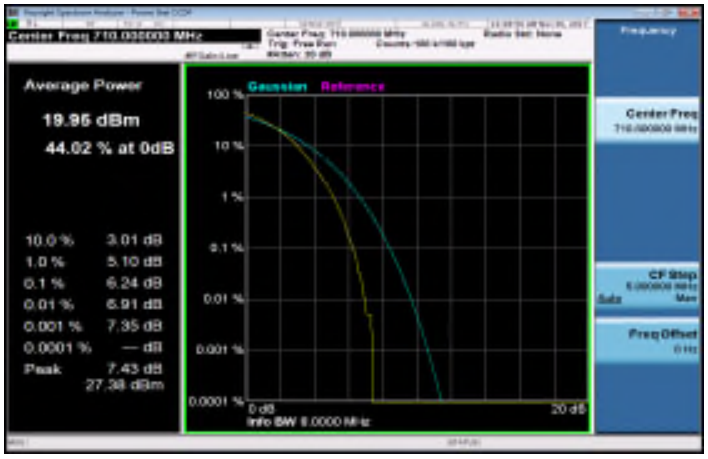
LTE_Band17_10MHz_16QAM_50_0_ Low CH23780-709



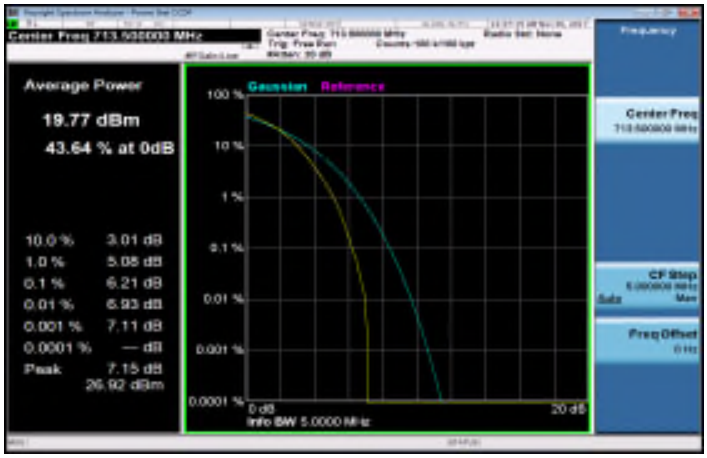
LTE_Band17_5MHz_16QAM_25_0_MidCH23790-710



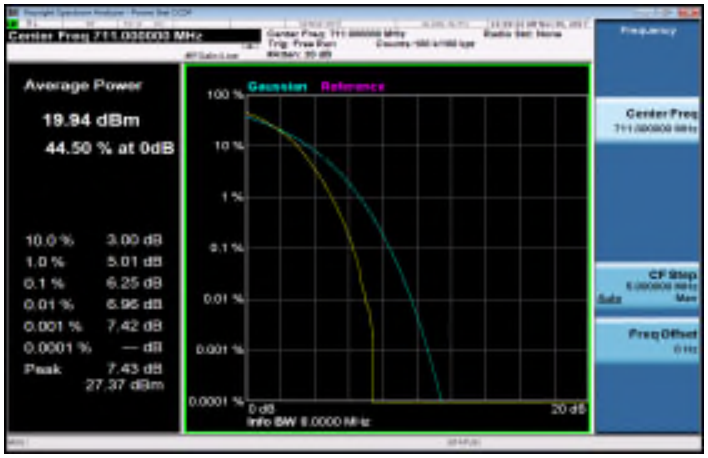
LTE_Band17_10MHz_16QAM_50_0_ MidCH23790-710



LTE_Band17_5MHz_16QAM_25_0_HighCH23825-713.5

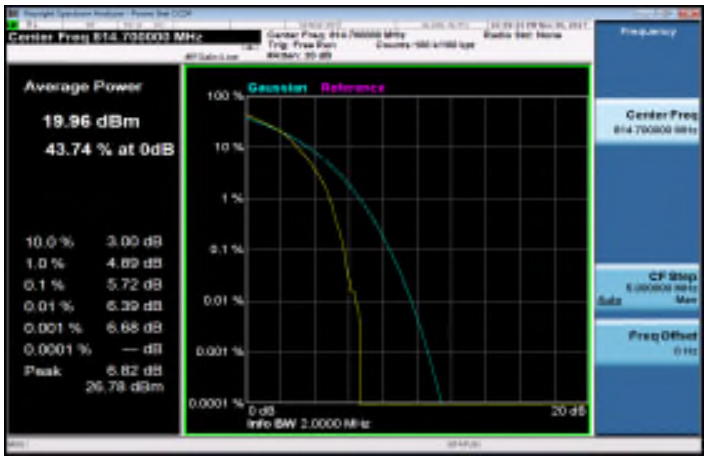


LTE_Band17_10MHz_16QAM_50_0_ HighCH23800-711

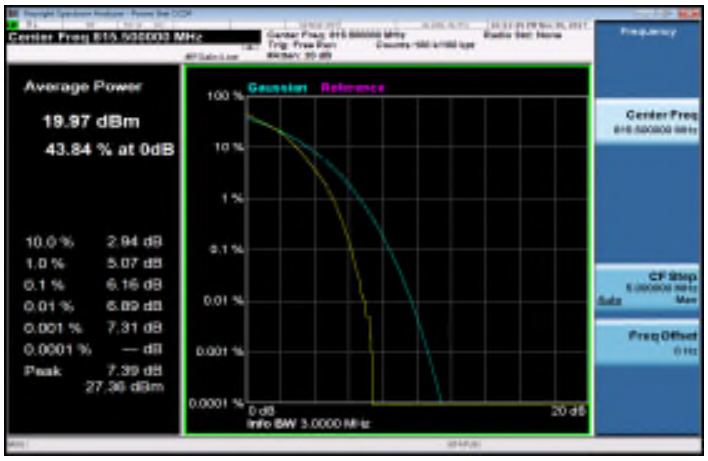


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

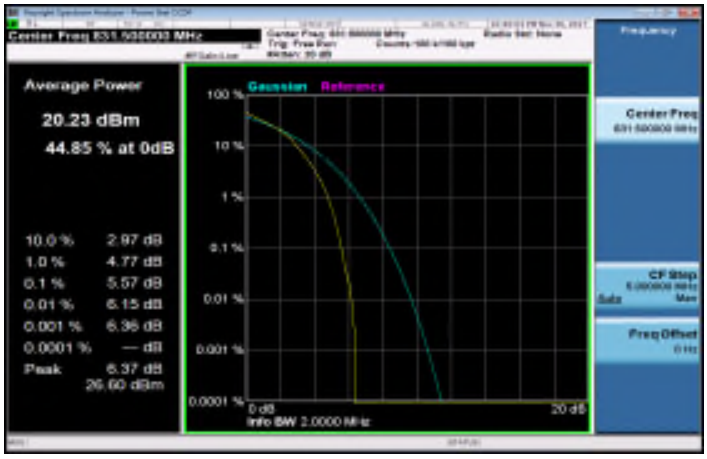
LTE_Band26_1_4MHz_16QAM_6_0_LowCH26697-814.7



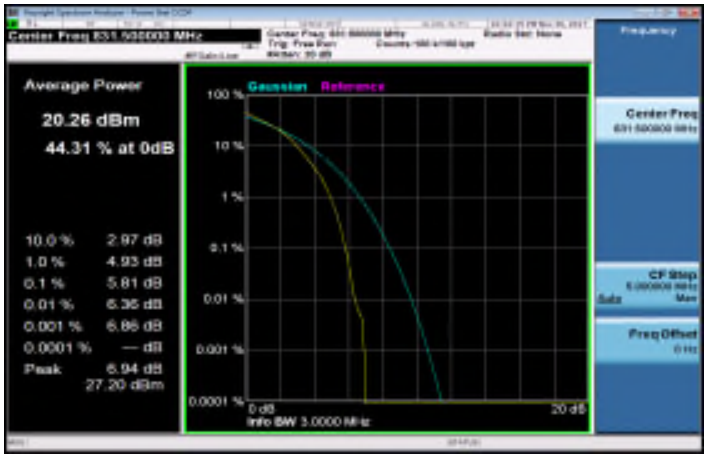
LTE_Band26_3MHz_16QAM_15_0_LowCH26705-815.5



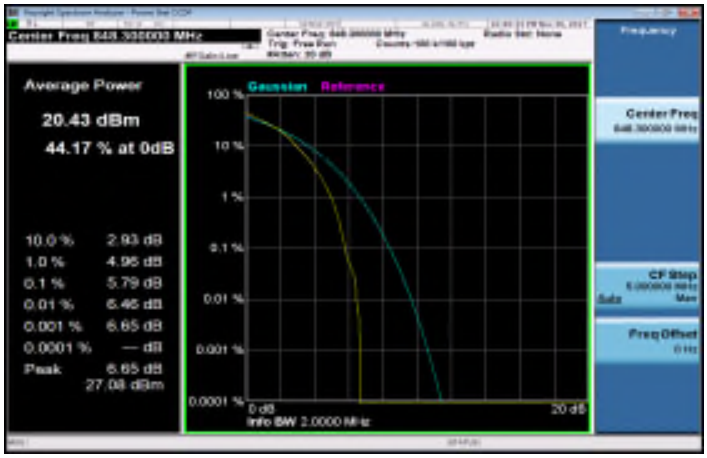
LTE_Band26_1_4MHz_16QAM_6_0_MidCH26865-831.5



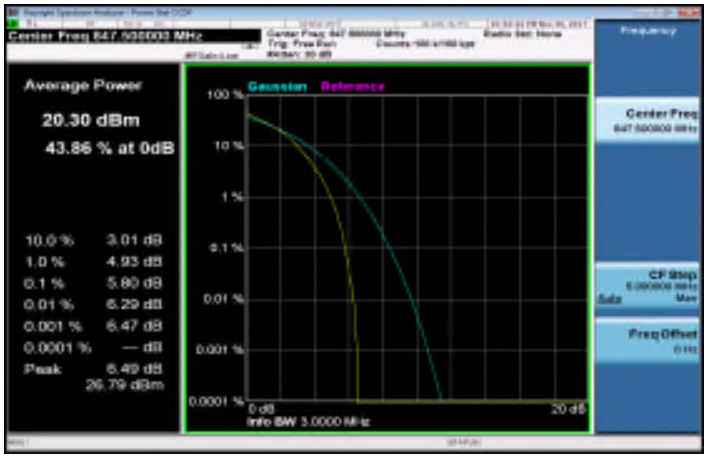
LTE_Band26_3MHz_16QAM_15_0_MidCH26865-831.5



LTE_Band26_1_4MHz_16QAM_6_0_HighCH27033-848.3

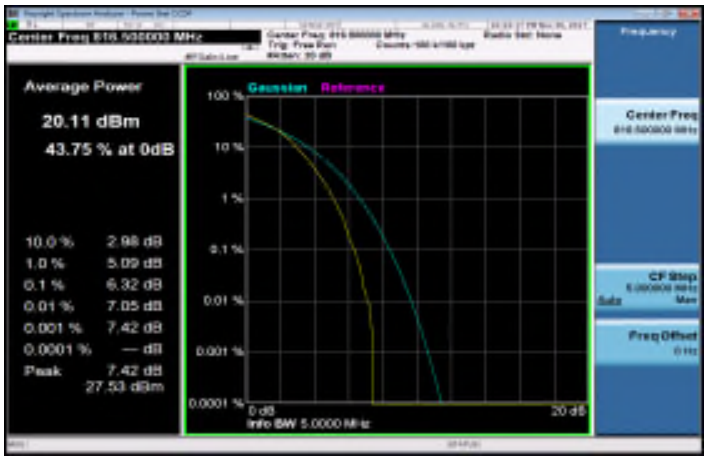


LTE_Band26_3MHz_16QAM_15_0_HighCH27025-847.5

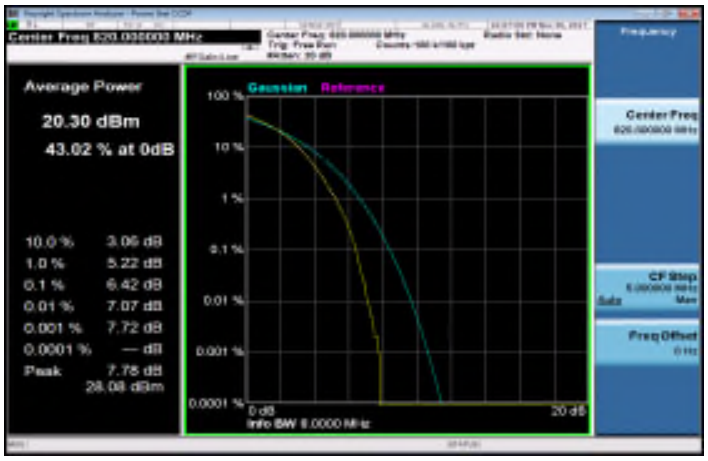


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

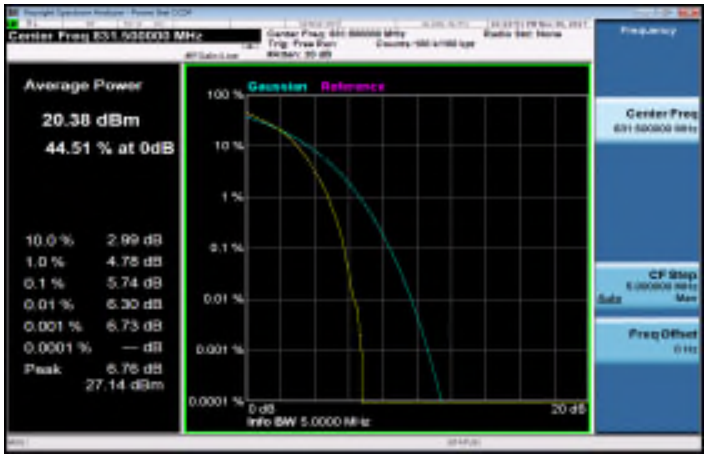
LTE_Band26_5MHz_16QAM_25_0_LowCH26715-816.5



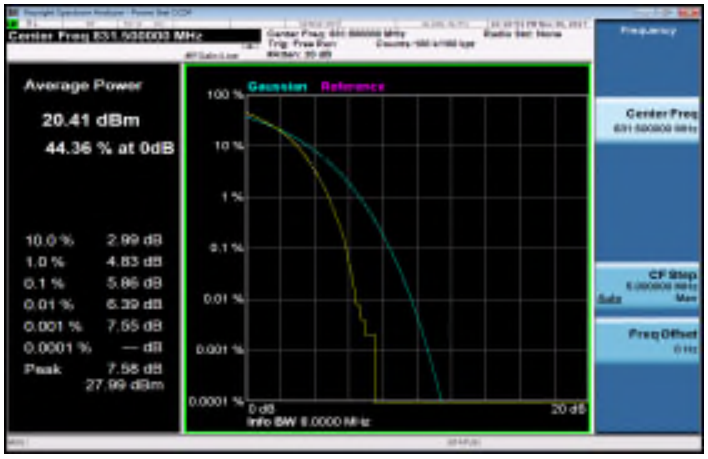
LTE_Band26_10MHz_16QAM_50_0_LowCH26750-820



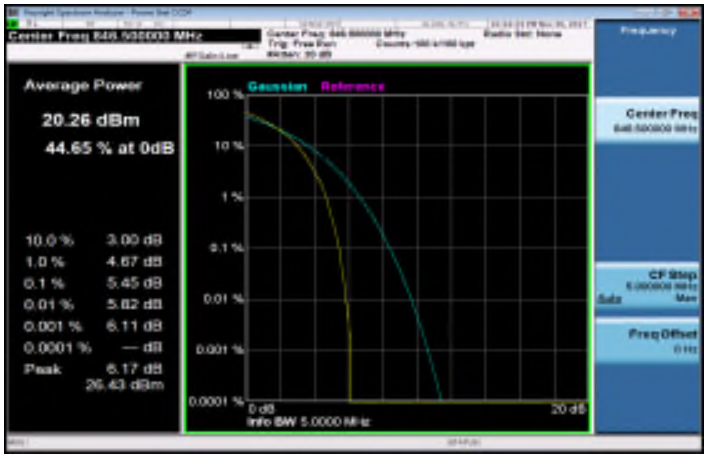
LTE_Band26_5MHz_16QAM_25_0_MidCH26865-831.5



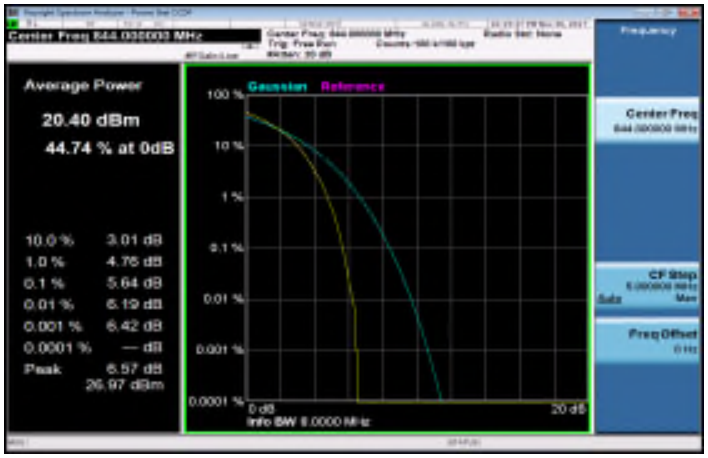
LTE_Band26_10MHz_16QAM_50_0_MidCH26865-831.5



LTE_Band26_5MHz_16QAM_25_0_HighCH27015-846.5

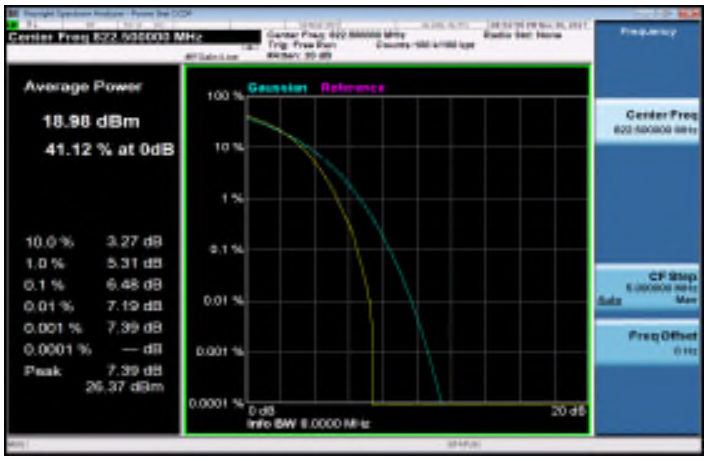


LTE_Band26_10MHz_16QAM_50_0_HighCH26990-844

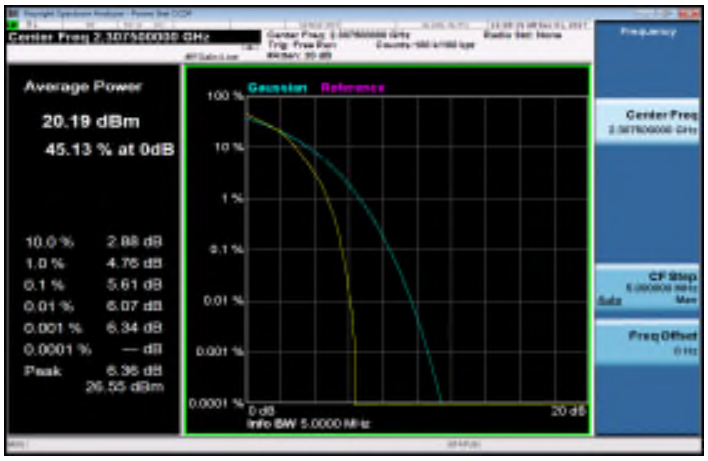


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

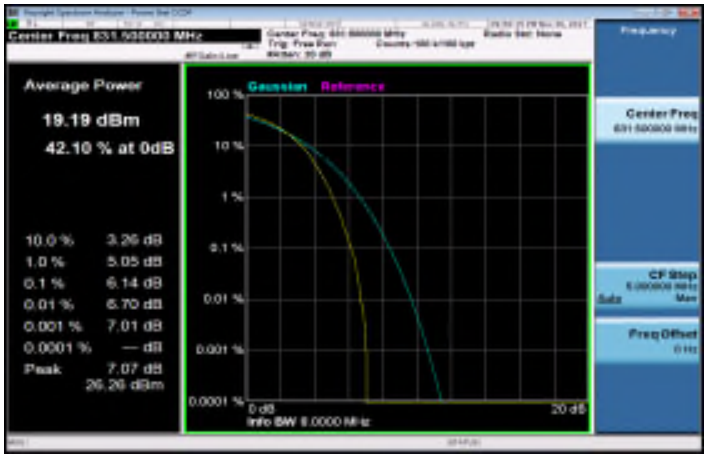
LTE_Band26_15MHz_16QAM_75_0_LowCH26825-822.5



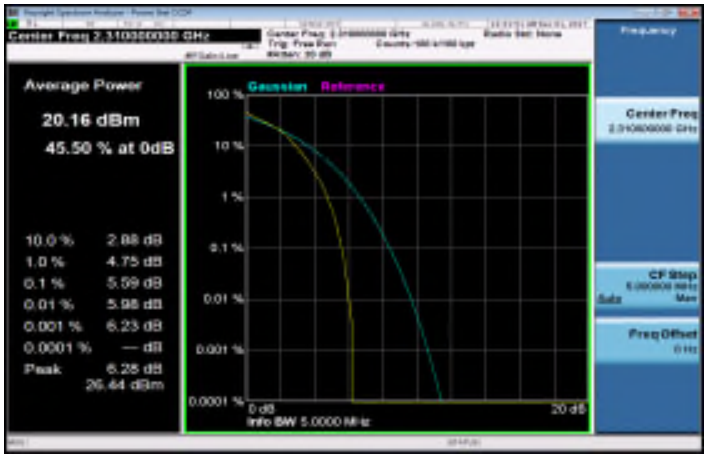
LTE_Band30_5MHz_16QAM_25_0_LowCH27685



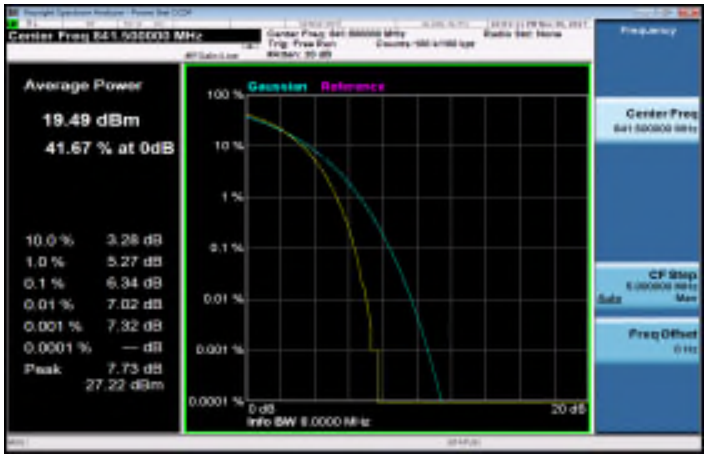
LTE_Band26_15MHz_16QAM_75_0_MidCH26865-831.5



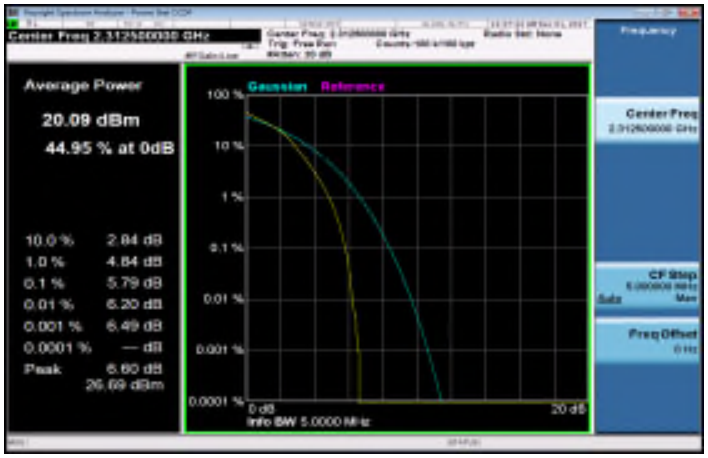
LTE_Band30_5MHz_16QAM_25_0_MidCH27710



LTE_Band26_15MHz_16QAM_75_0_HighCH26965-841.5

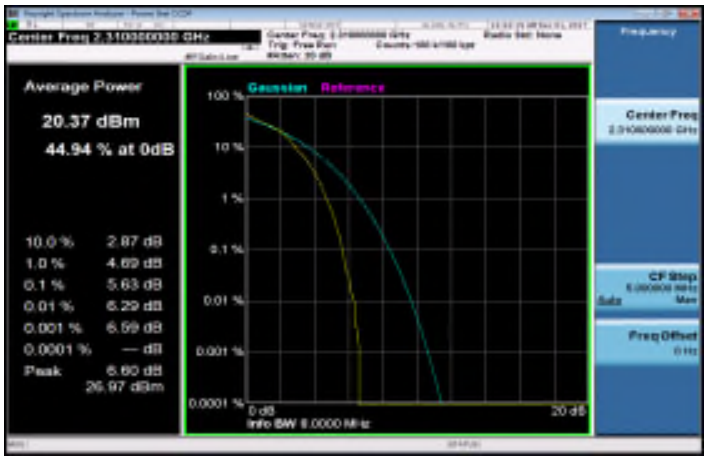


LTE_Band30_5MHz_16QAM_25_0_HighCH27735

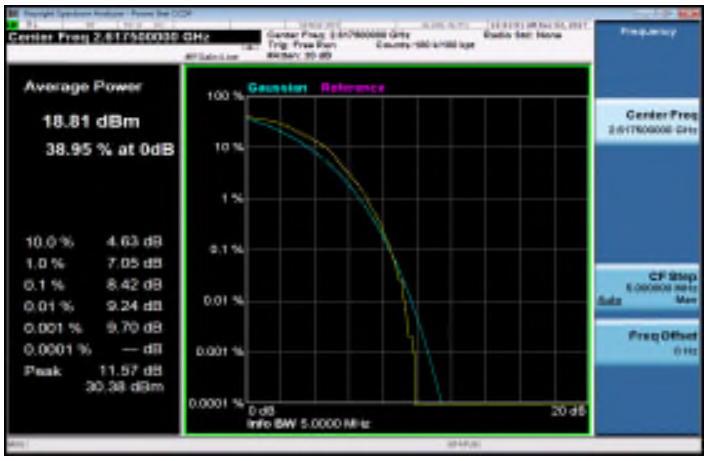


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

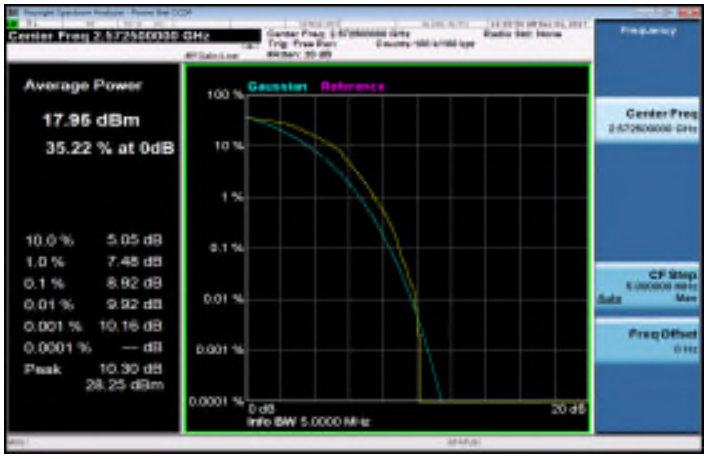
LTE_Band30_10MHz_16QAM_50_0_MidCH27710



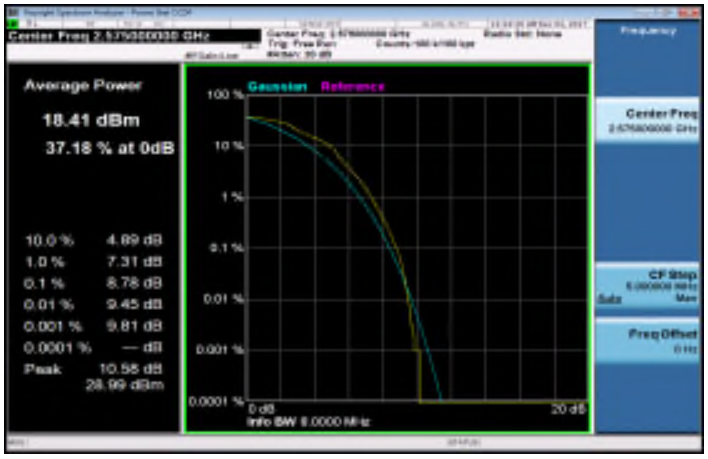
LTE_Band38_5MHz_16QAM_25_0_HighCH38225



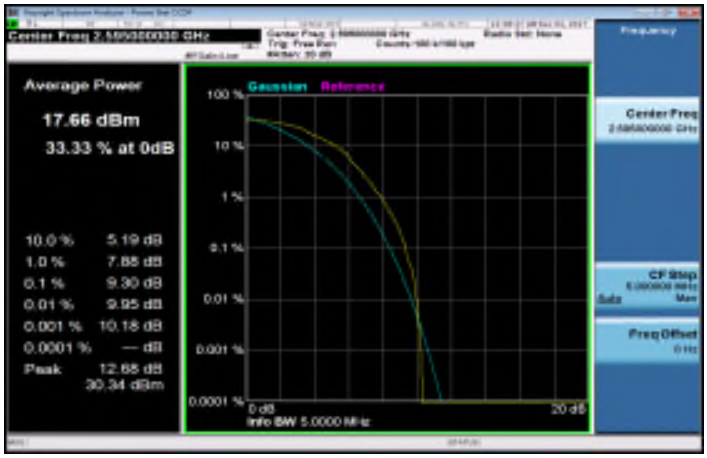
LTE_Band38_5MHz_16QAM_25_0_LowCH37775



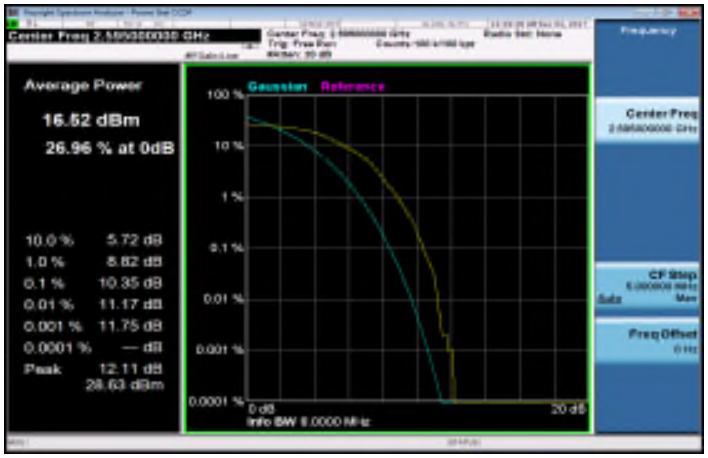
LTE_Band38_10MHz_16QAM_50_0_LowCH37800



LTE_Band38_5MHz_16QAM_25_0_MidCH38000

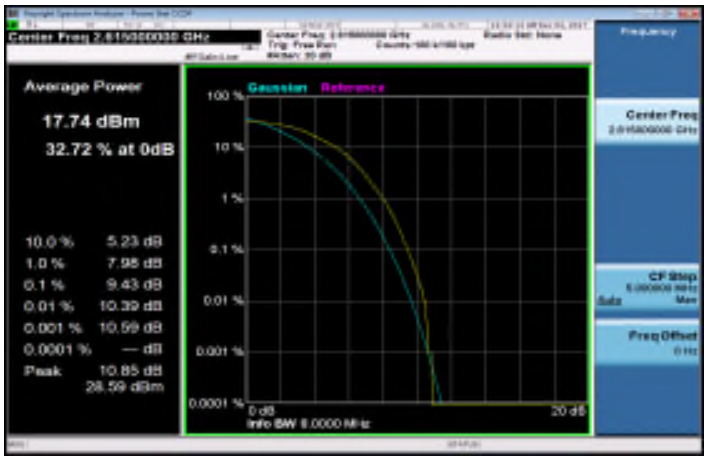


LTE_Band38_10MHz_16QAM_50_0_MidCH38000

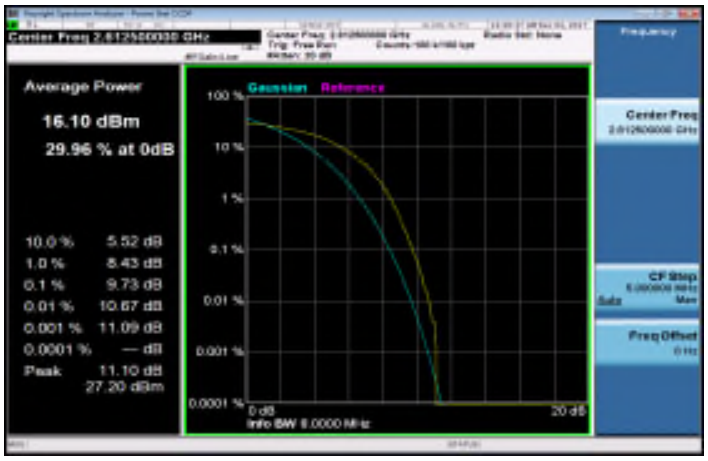


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

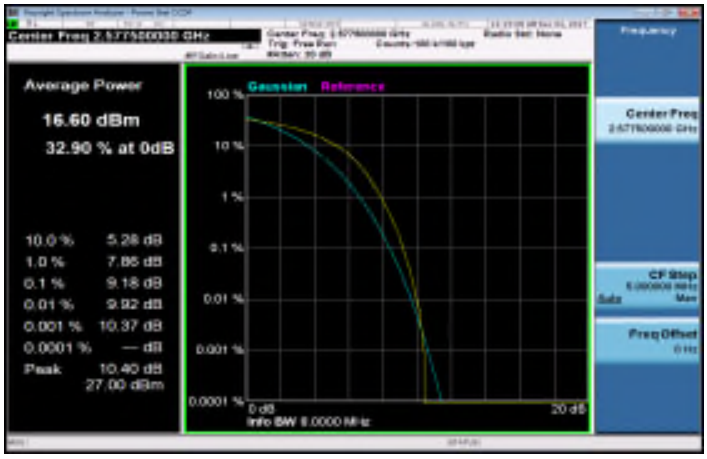
LTE_Band38_10MHz_16QAM_50_0_HighCH38200



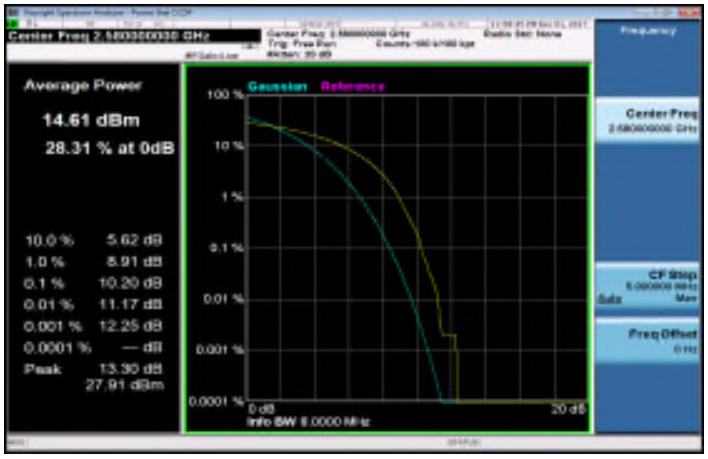
LTE_Band38_15MHz_16QAM_75_0_HighCH38175



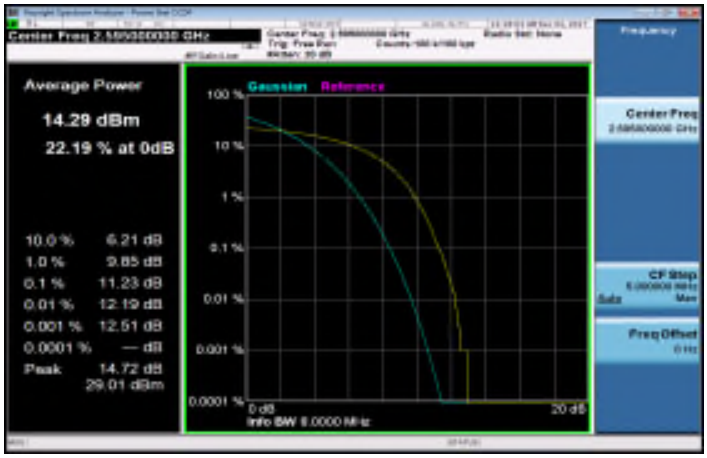
LTE_Band38_15MHz_16QAM_75_0_LowCH37825



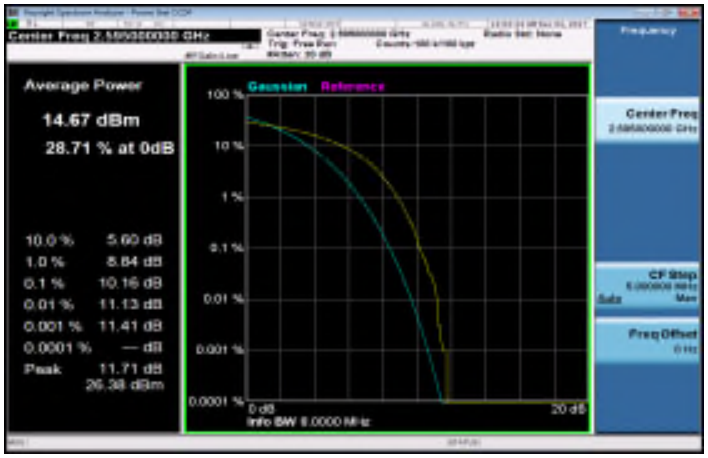
LTE_Band38_20MHz_16QAM_100_0_LowCH37850



LTE_Band38_15MHz_16QAM_75_0_MidCH38000

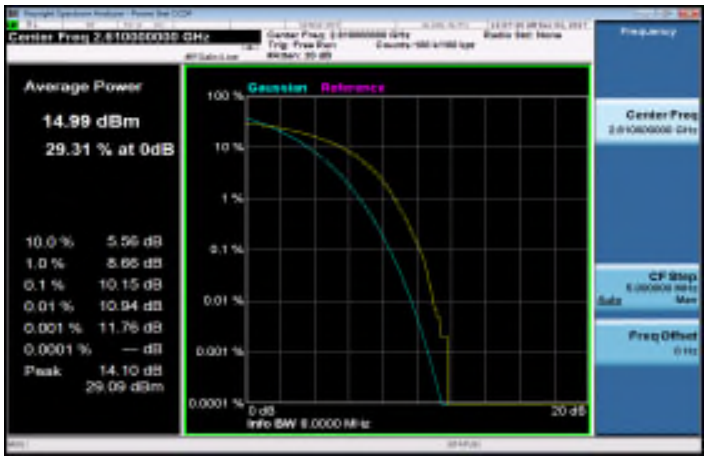


LTE_Band38_20MHz_16QAM_100_0_MidCH38000

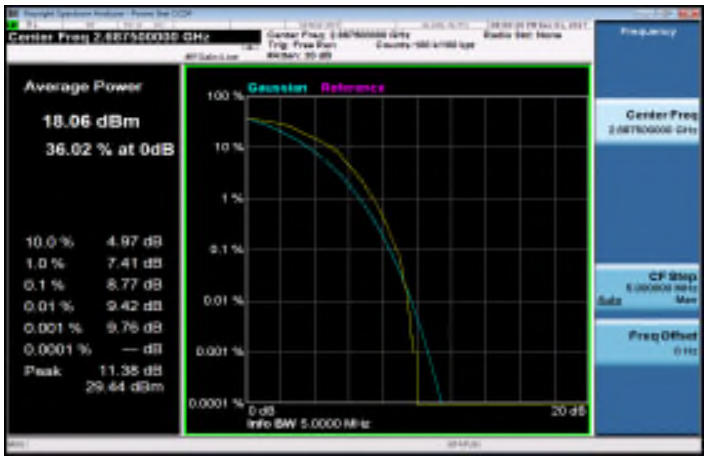


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

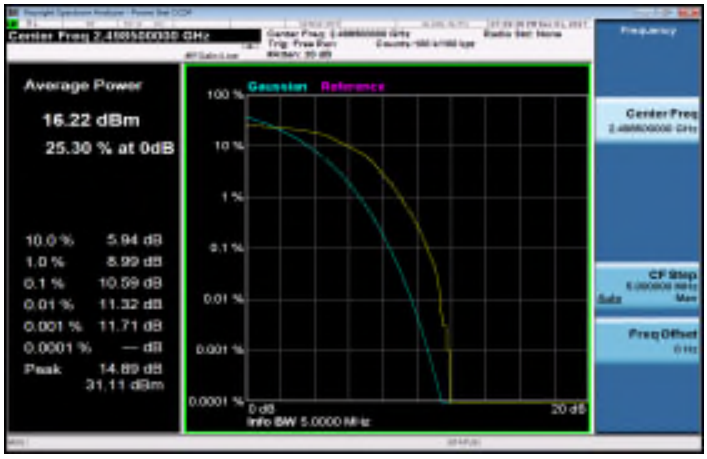
LTE_Band38_20MHz_16QAM_100_0_HighCH38150



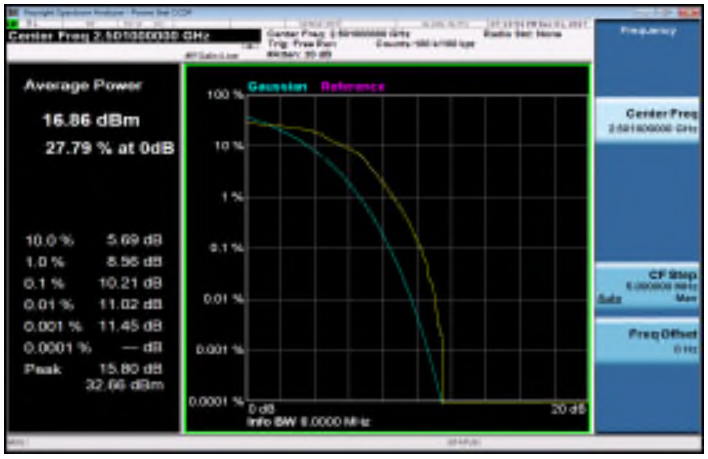
LTE_Band41_5MHz_16QAM_25_0_High CH41565



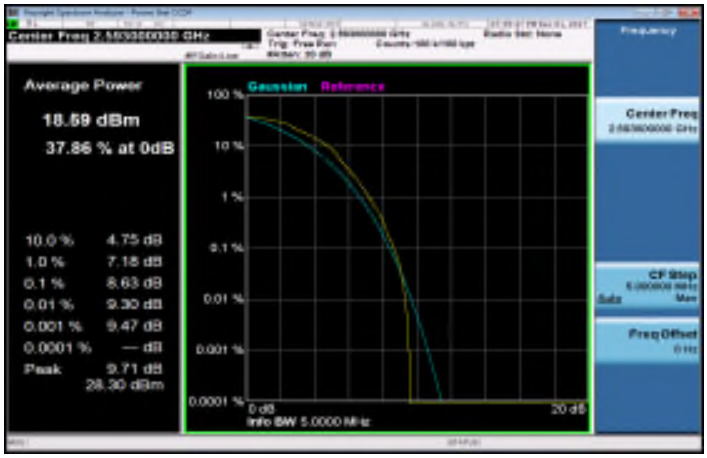
LTE_Band41_5MHz_16QAM_25_0_Low CH39675



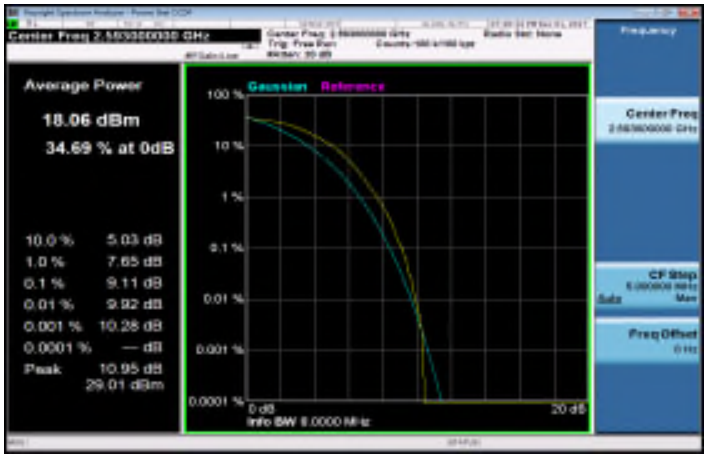
LTE_Band41_10MHz_16QAM_50_0_Low CH39700



LTE_Band41_5MHz_16QAM_25_0_Mid CH40620

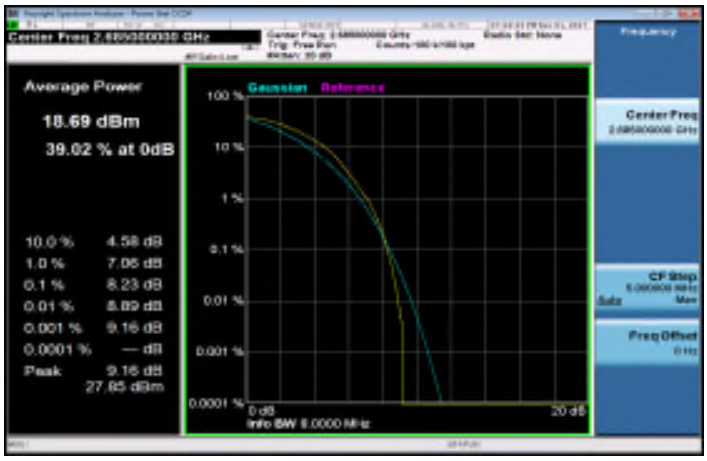


LTE_Band41_10MHz_16QAM_50_0_Mid CH40620

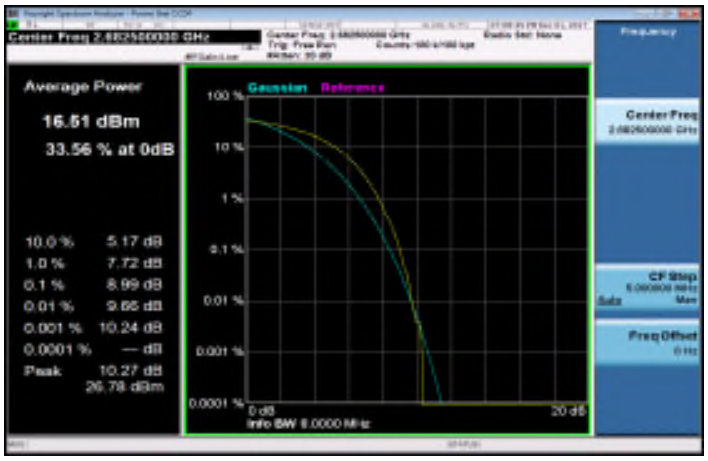


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

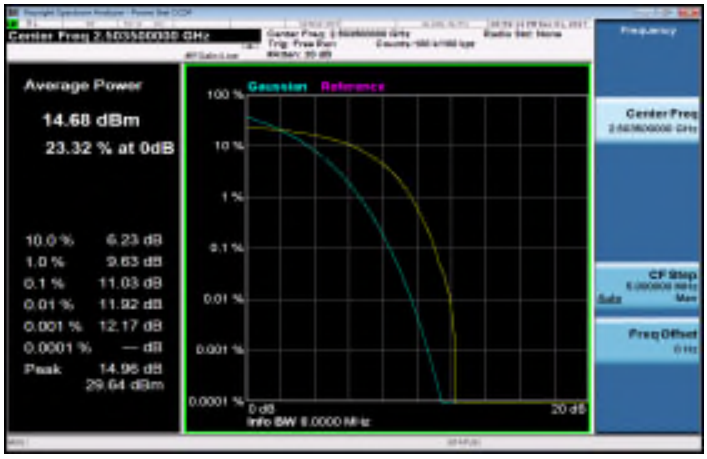
LTE_Band41_10MHz_16QAM_50_0_High CH41540



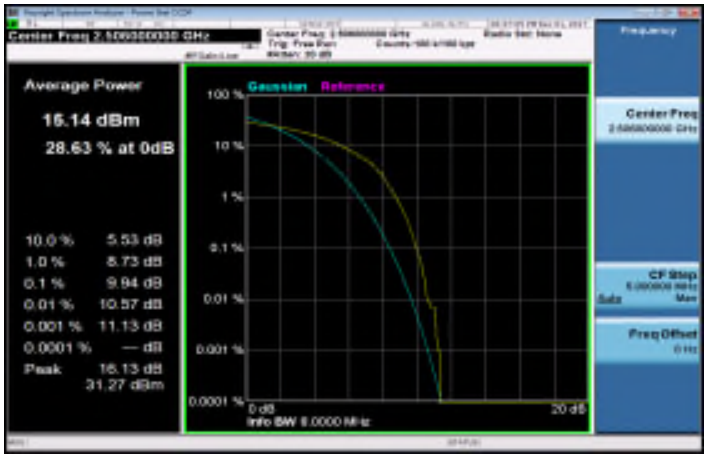
LTE_Band41_15MHz_16QAM_75_0_High CH41515



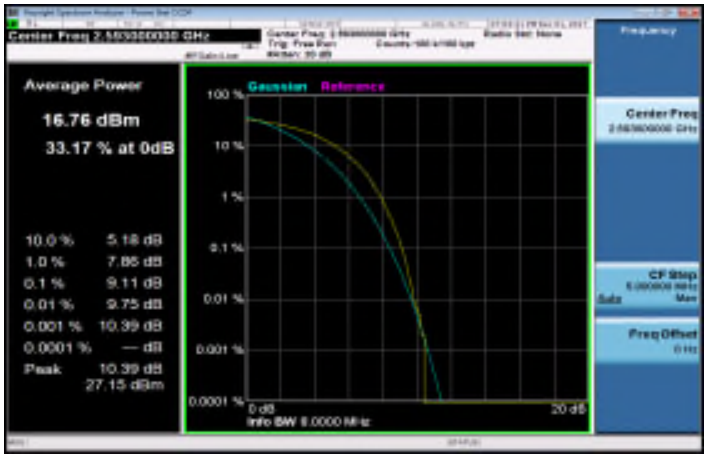
LTE_Band41_15MHz_16QAM_75_0_Low CH39725



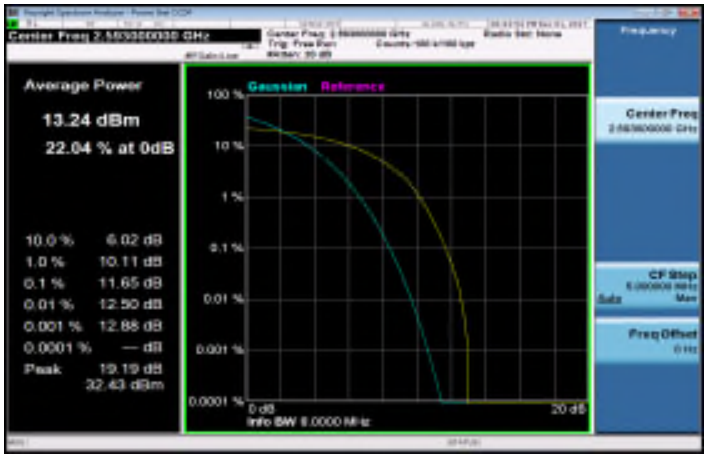
LTE_Band41_20MHz_16QAM_100_0_Low CH39750



LTE_Band41_15MHz_16QAM_75_0_Mid CH40620

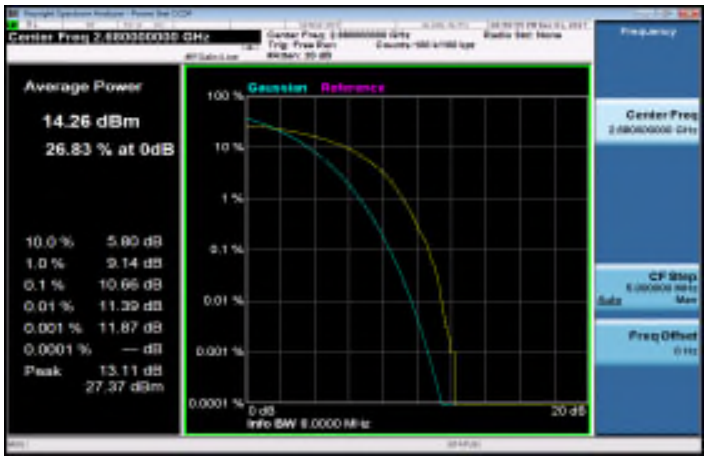


LTE_Band41_20MHz_16QAM_100_0_Mid CH40620-2593

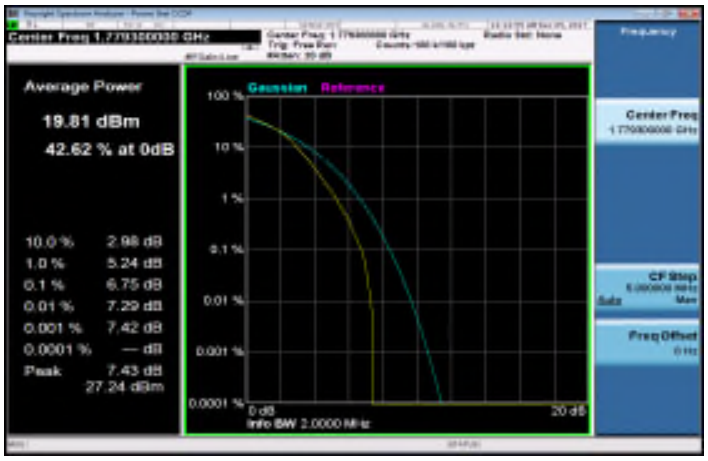


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

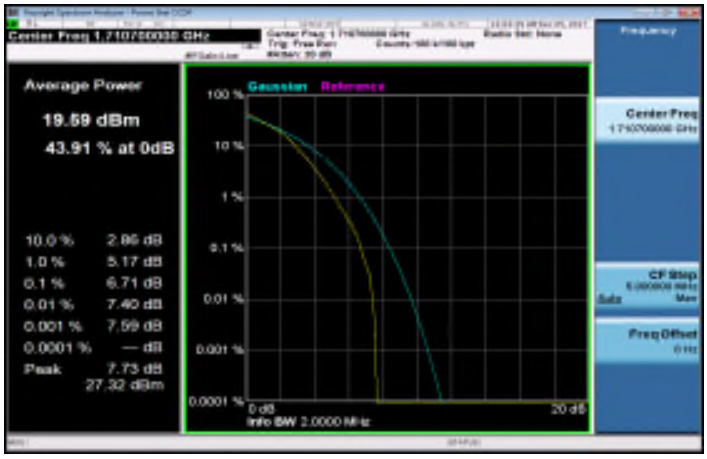
LTE_Band41_20MHz_16QAM_100_0_High CH41490



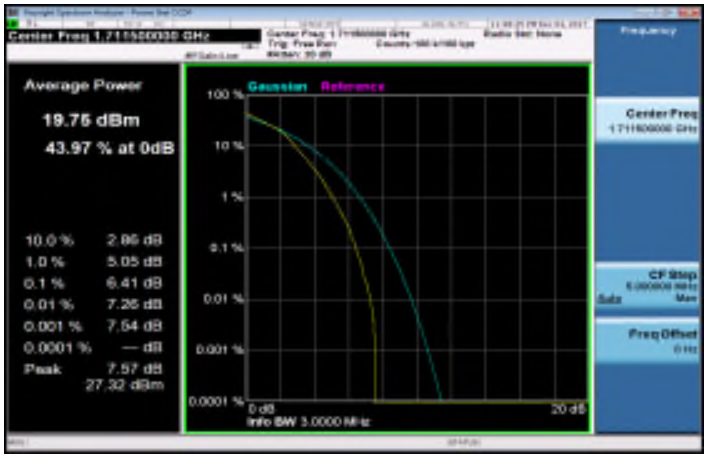
LTE_Band66_1_4MHz_16QAM_6_0_HighCH132665



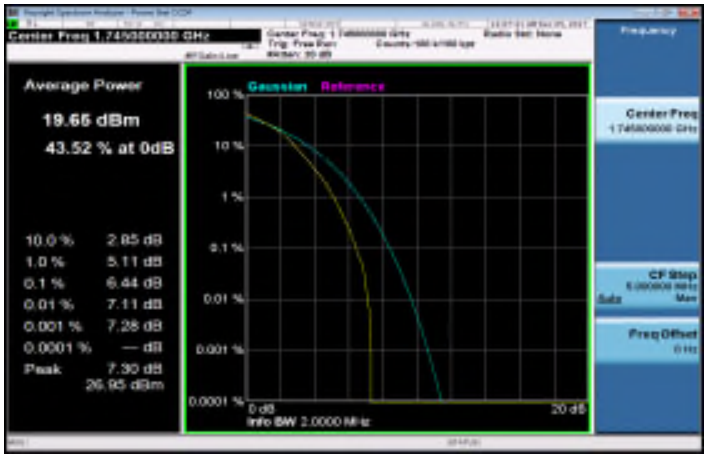
LTE_Band66_1_4MHz_16QAM_6_0_LowCH131979



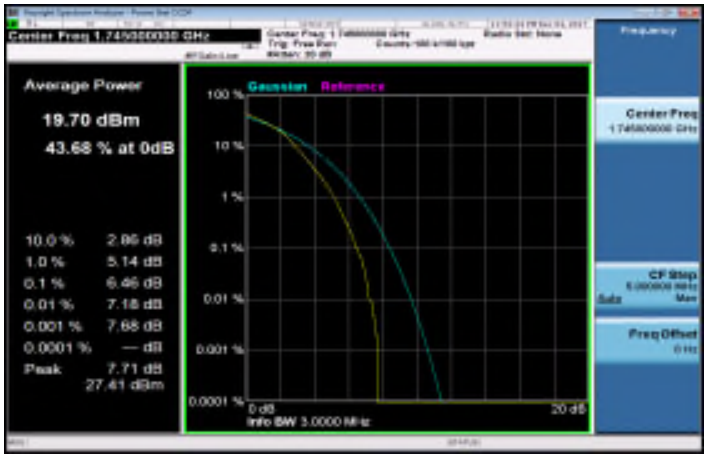
LTE_Band66_3MHz_16QAM_15_0_LowCH131987



LTE_Band66_1_4MHz_16QAM_6_0_MidCH132322

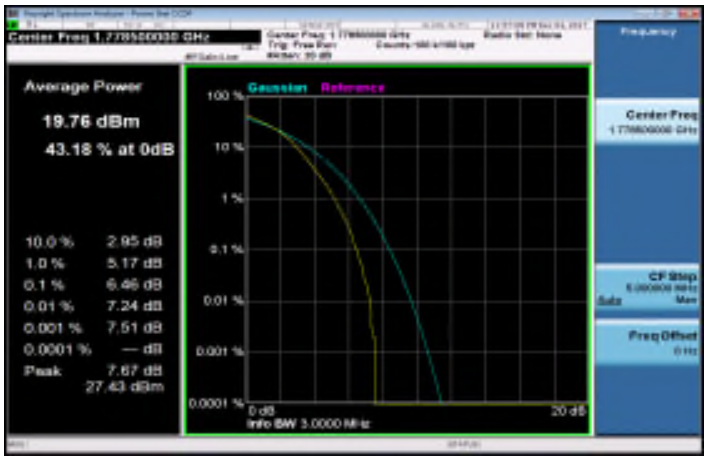


LTE_Band66_3MHz_16QAM_15_0_MidCH132322

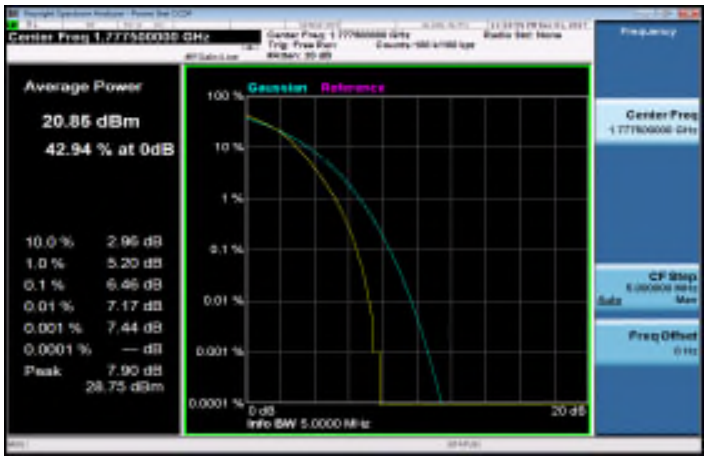


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

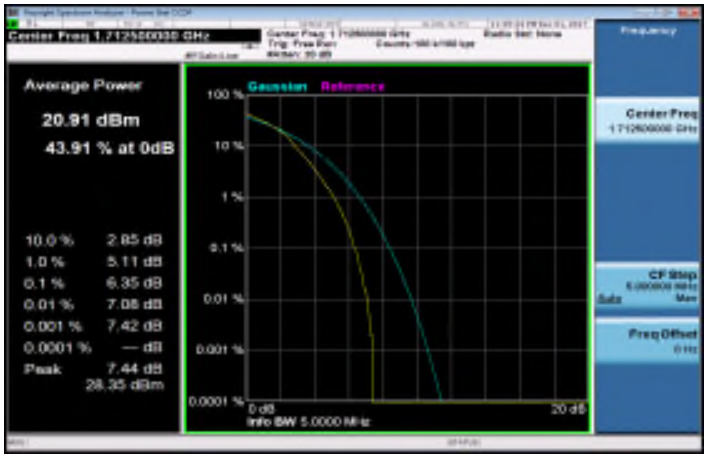
LTE_Band66_3MHz_16QAM_15_0_HighCH132657



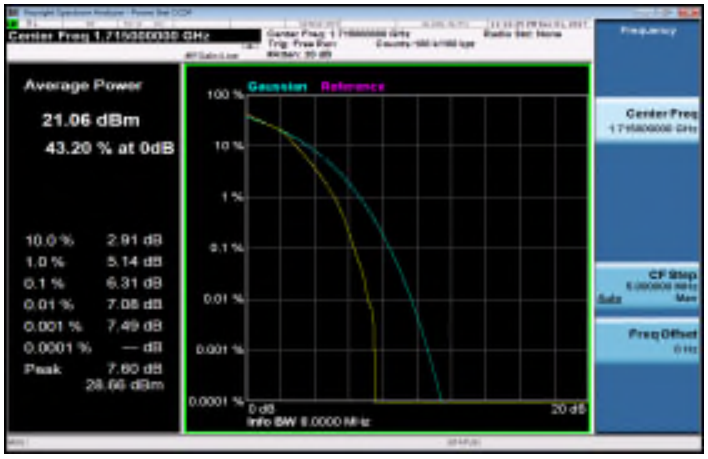
LTE_Band66_5MHz_16QAM_25_0_HighCH132647



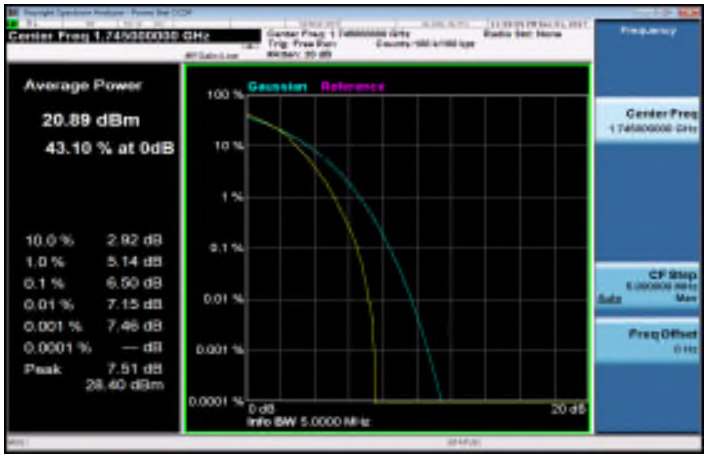
LTE_Band66_5MHz_16QAM_25_0_LowCH131997



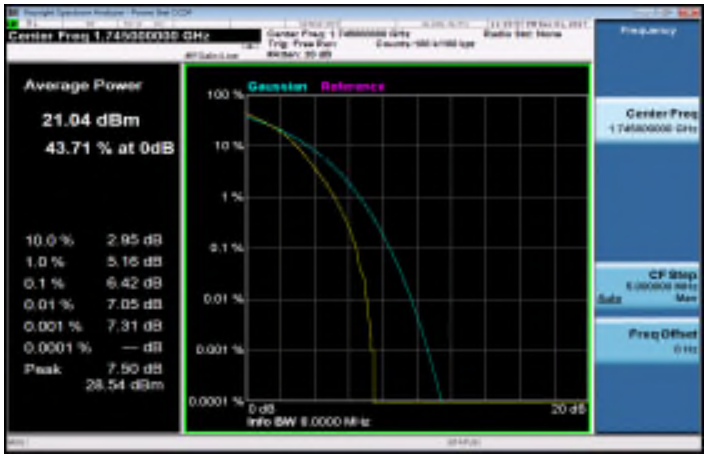
LTE_Band66_10MHz_16QAM_50_0_LowCH132022



LTE_Band66_5MHz_16QAM_25_0_MidCH132322

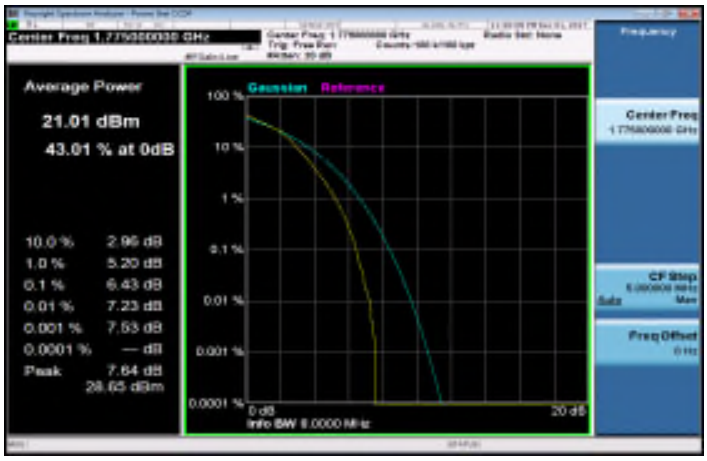


LTE_Band66_10MHz_16QAM_50_0_MidCH132322

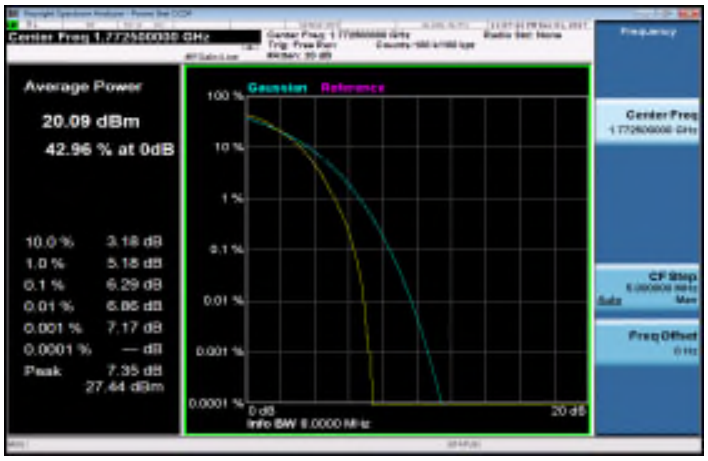


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

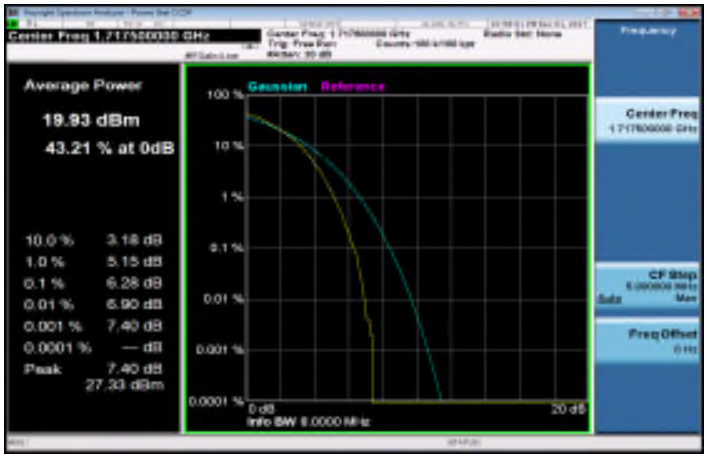
LTE_Band66_10MHz_16QAM_50_0_HighCH132622



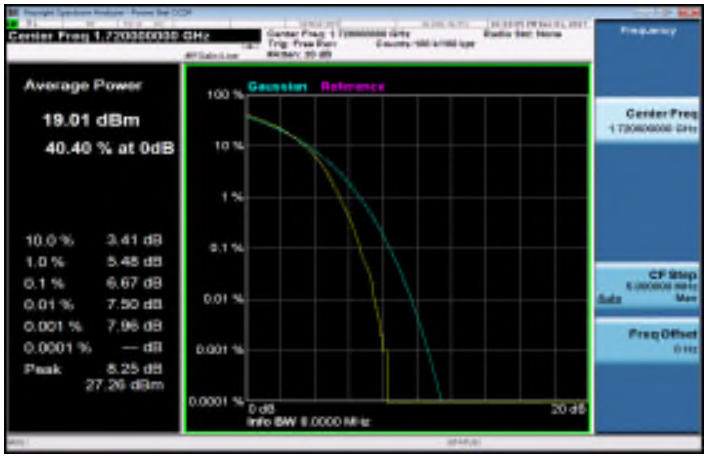
LTE_Band66_15MHz_16QAM_75_0_HighCH132597



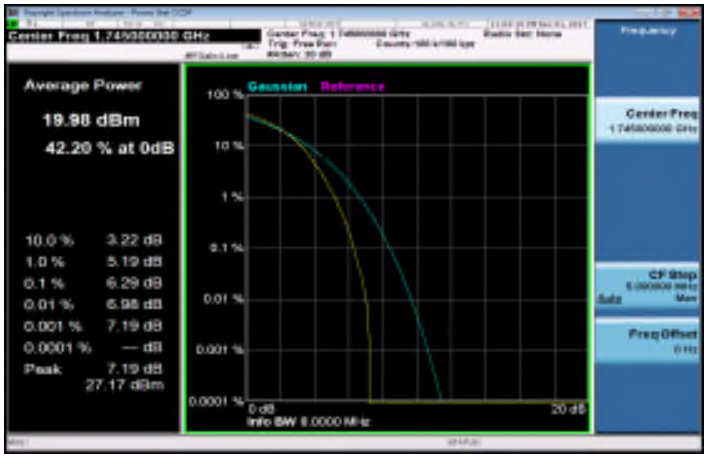
LTE_Band66_15MHz_16QAM_75_0_LowCH132047



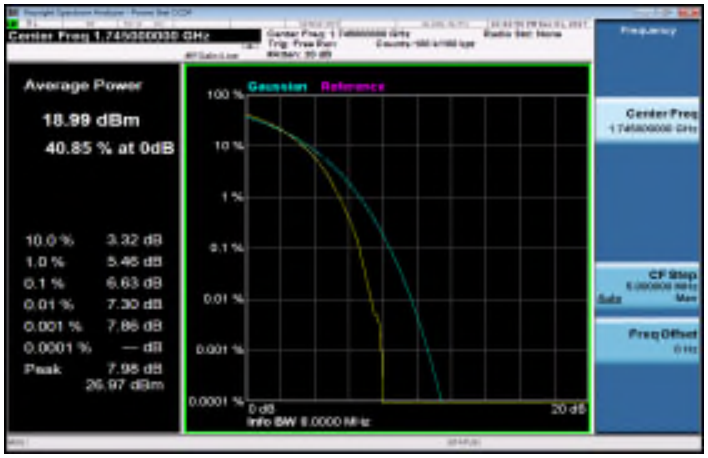
LTE_Band66_20MHz_16QAM_100_0_LowCH132072



LTE_Band66_15MHz_16QAM_75_0_MidCH132322

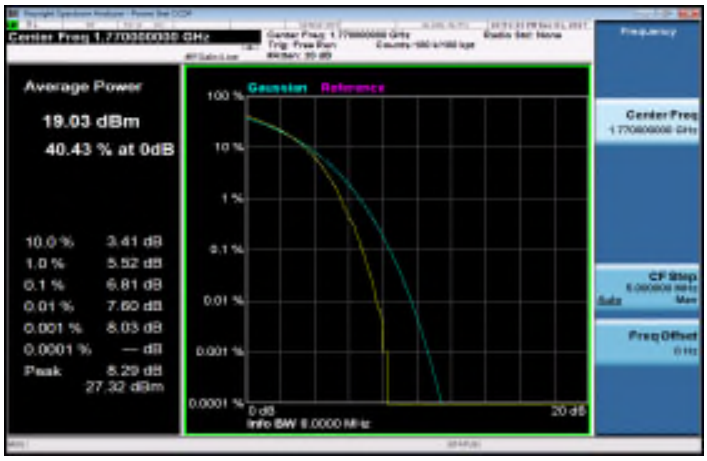


LTE_Band66_20MHz_16QAM_100_0_MidCH132322

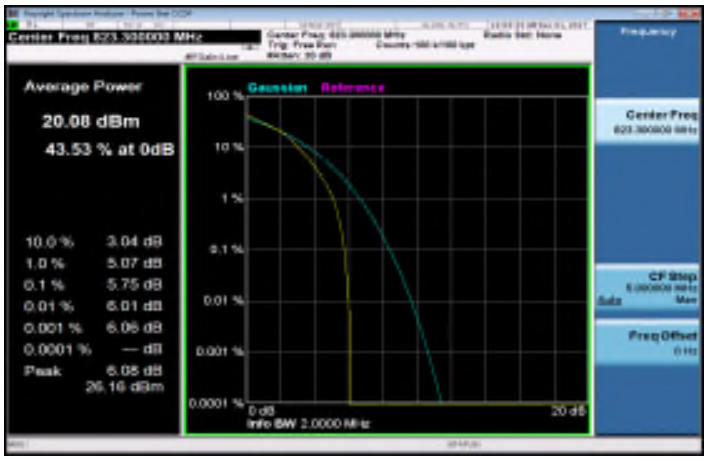


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

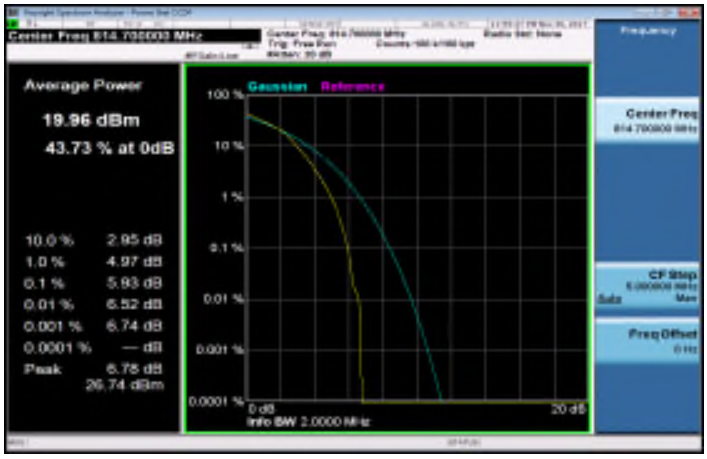
LTE_Band66_20MHz_16QAM_100_0_HighCH132572



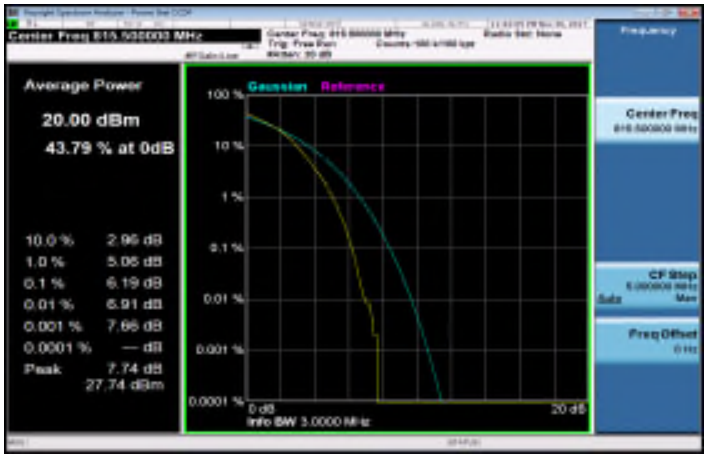
Part 90_LTE_Band26_1_4MHz_16QAM_6_0_HighCH26783



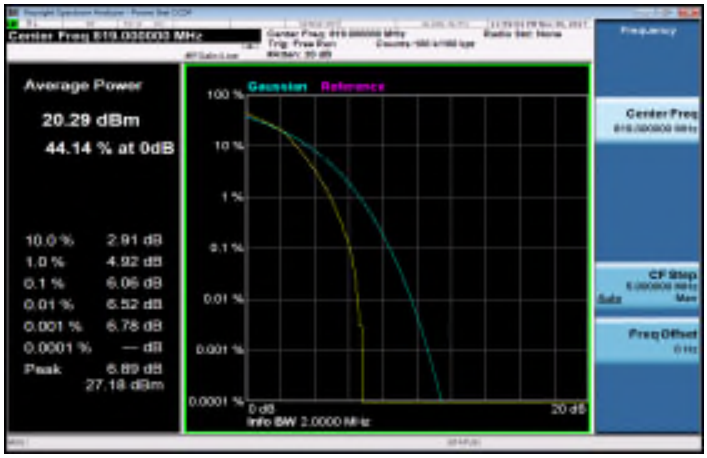
Part 90_LTE_Band26_1_4MHz_16QAM_6_0_LowCH26697



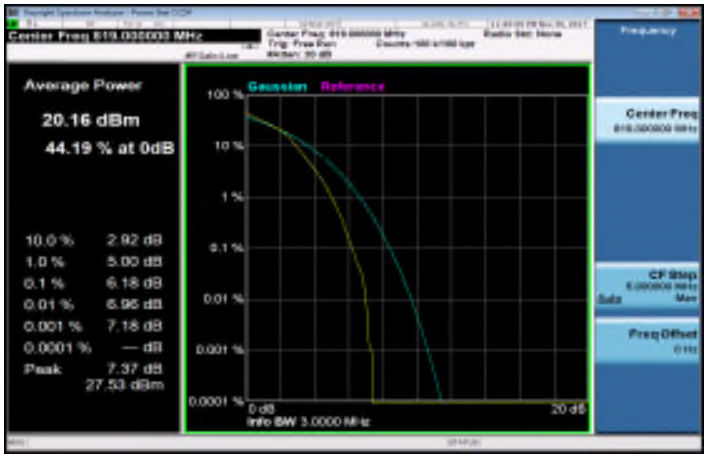
Part 90_LTE_Band26_3MHz_16QAM_15_0_LowCH26705



Part 90_LTE_Band26_1_4MHz_16QAM_6_0_MidCH26740

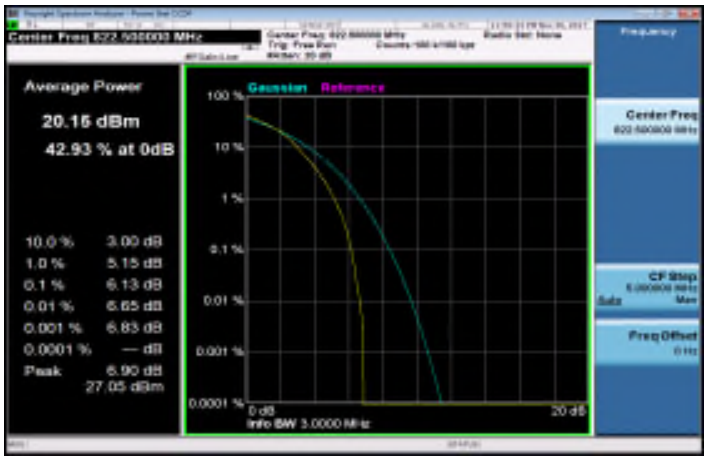


Part 90_LTE_Band26_3MHz_16QAM_15_0_MidCH26740

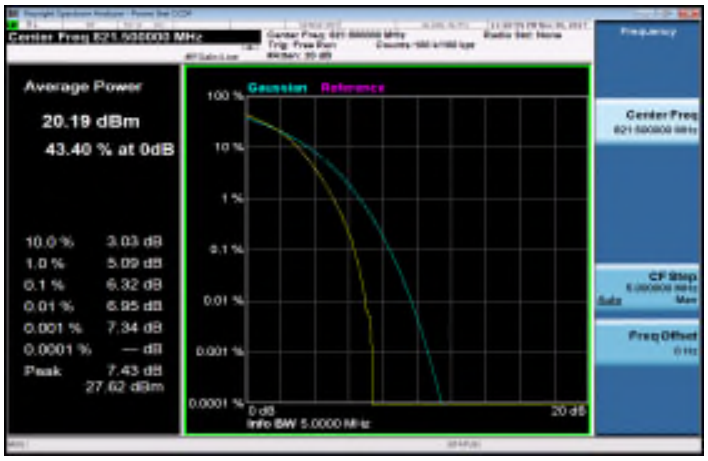


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

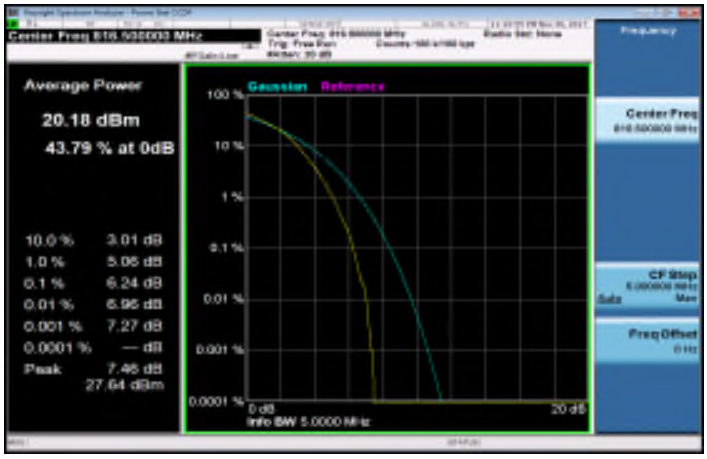
Part 90_LTE_Band26_3MHz_16QAM_15_0_HighCH26775



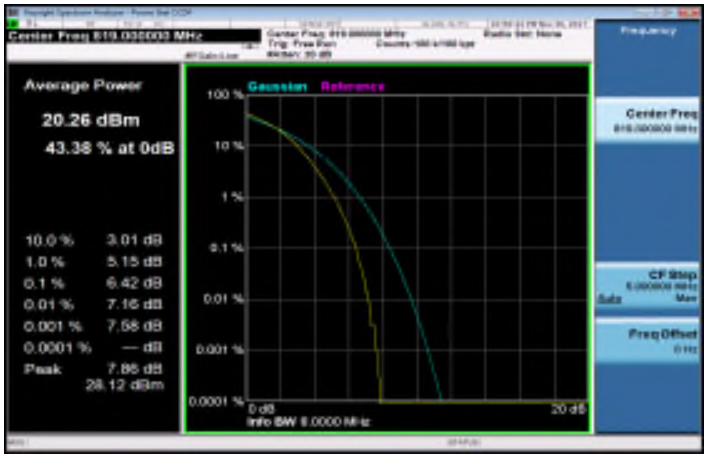
Part 90_LTE_Band26_5MHz_16QAM_25_0_HighCH26765



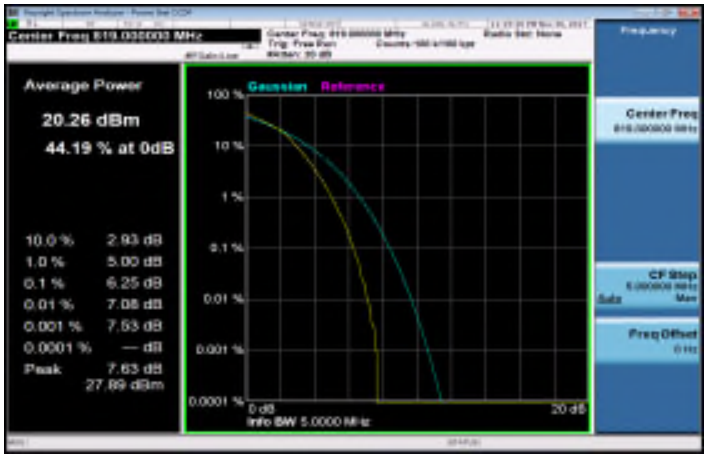
Part 90_LTE_Band26_5MHz_16QAM_25_0_LowCH26715



Part 90_LTE_Band26_10MHz_16QAM_50_0_MidCH26740



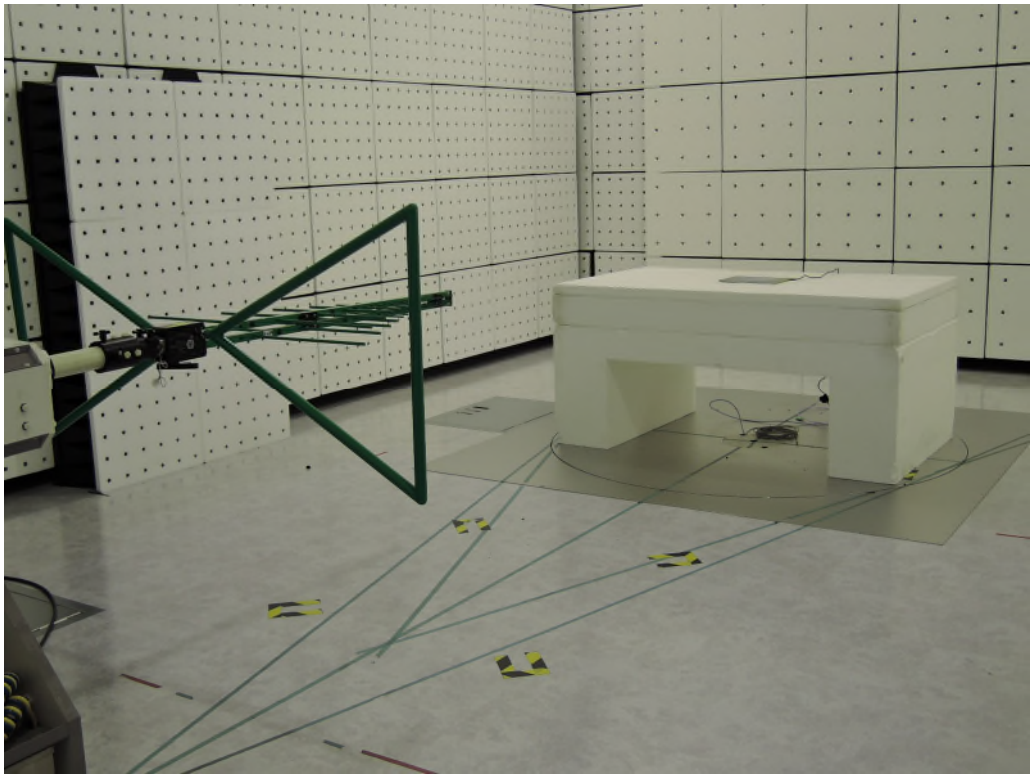
Part 90_LTE_Band26_5MHz_16QAM_25_0_MidCH26740



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

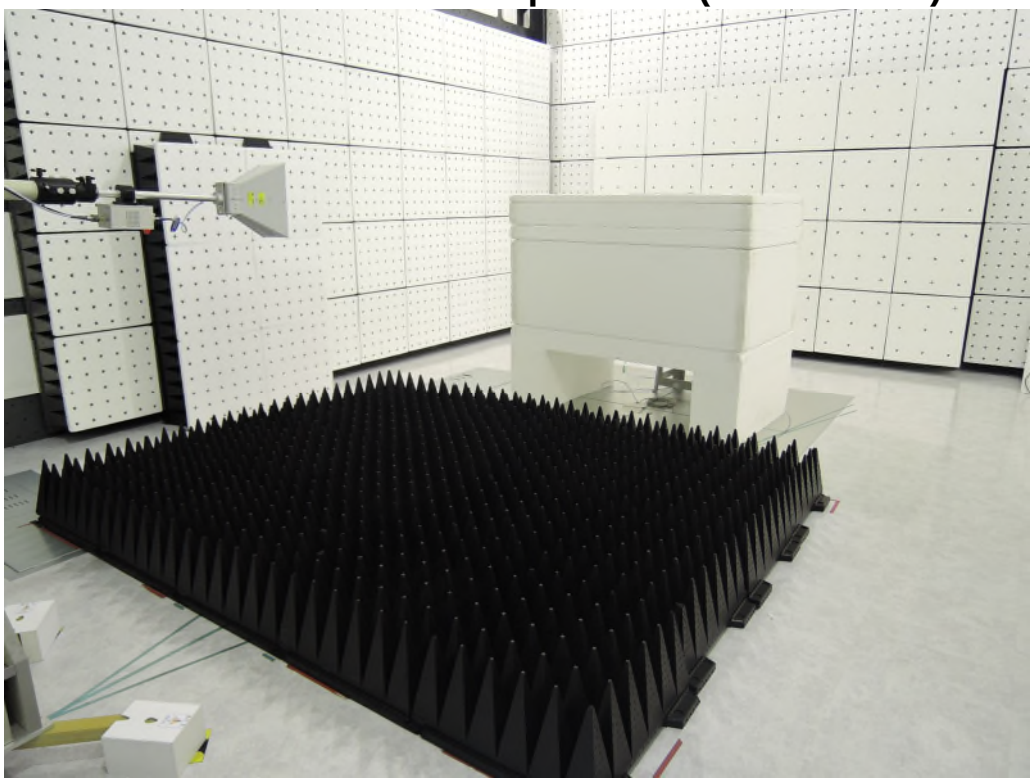
PHOTOGRAPHS OF SET UP

Radiated Emission Set up Photos (Below 1GHz)(E2 Plan)



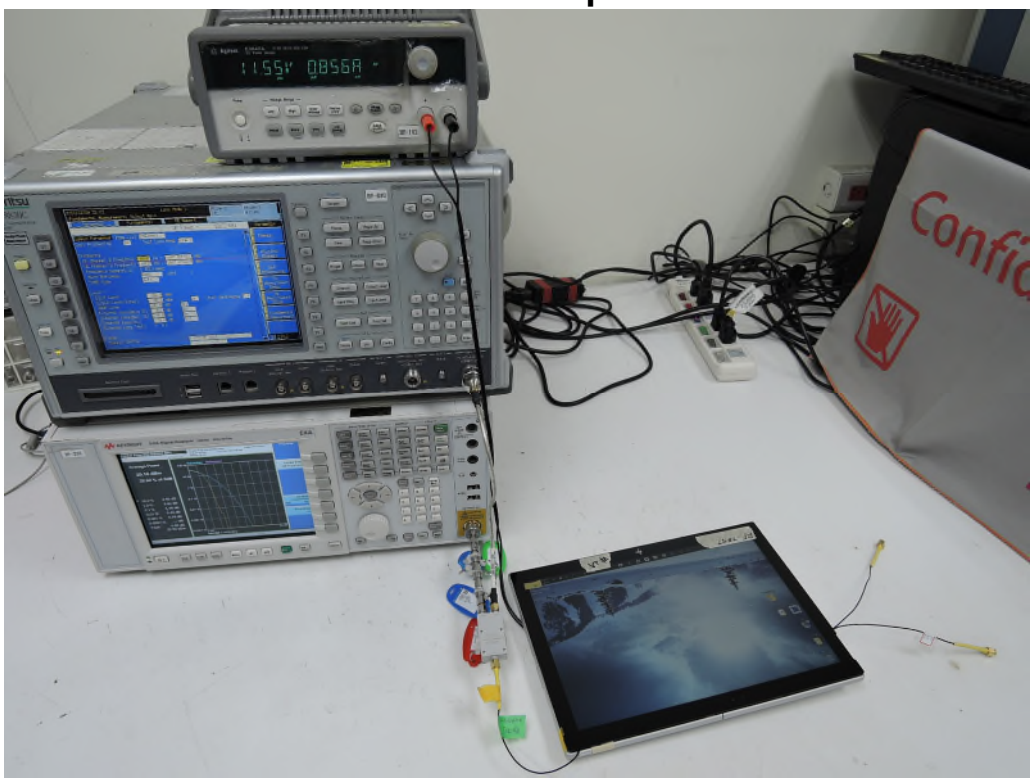
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf,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

Radiated Emission Set up Photos (Above 1GHz)



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

Conducted Set up Photos



PHOTOGRAPHS OF EUT

Please refer to the attached file(EUT Photo)

~ End of Report ~

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at 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.