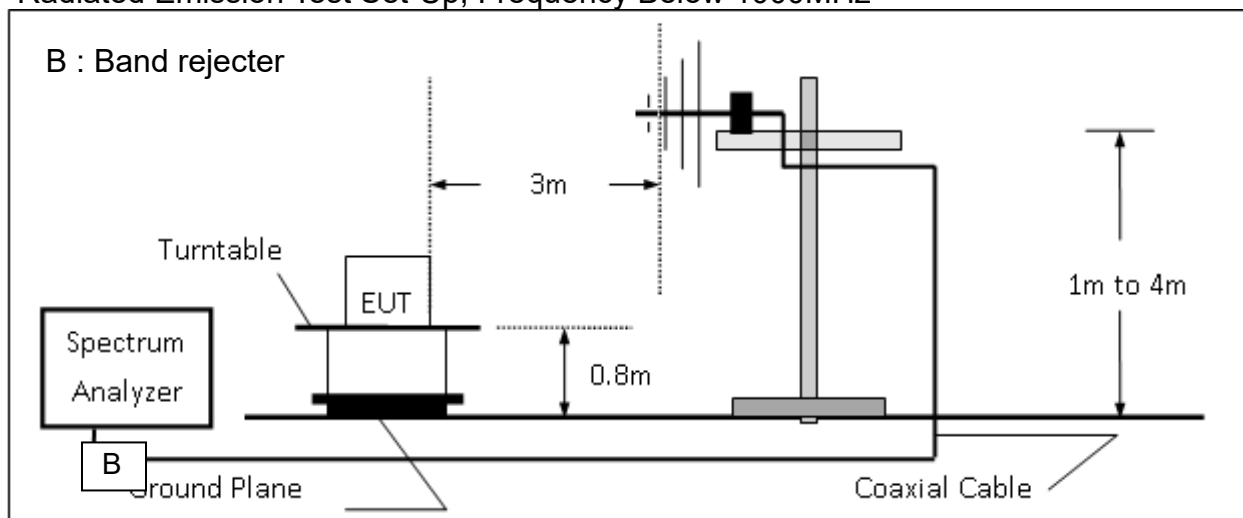
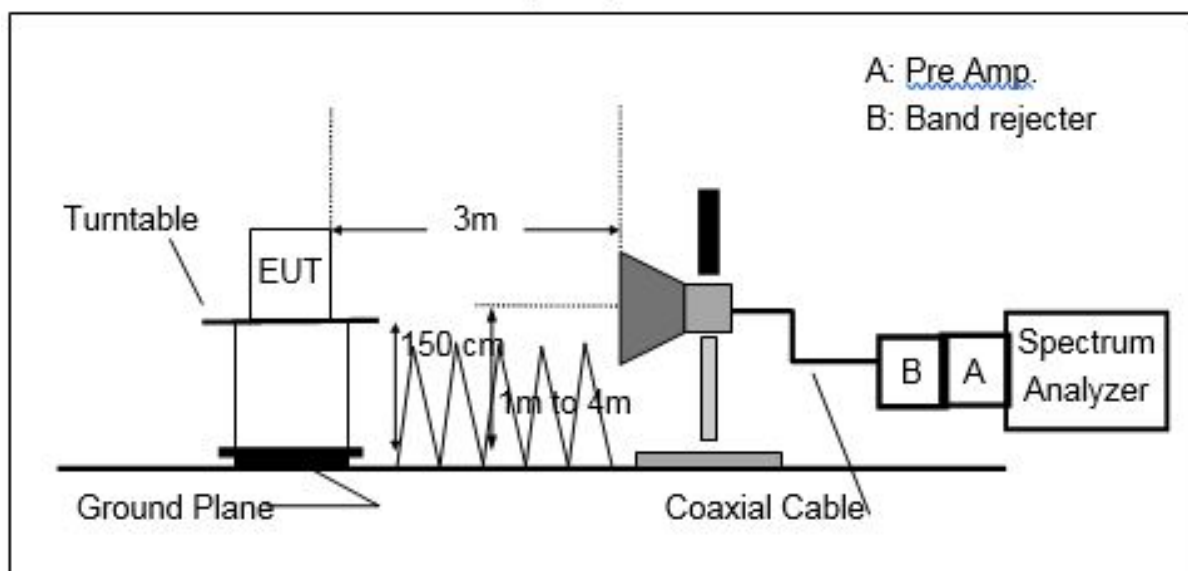


9.2 EUT Setup

Radiated Emission Test Set-Up, Frequency Below 1000MHz



Radiated Emission Test Set-UP Frequency Over 1 GHz



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

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

9.3 Measurement Procedure:

The EUT was placed on a non-conductive; the measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequencies (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.

The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

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

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

9.4 Measurement Equipment Used:

ERP, EIRP MEASUREMENT EQUIPMENT List 966 Chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Broadband Antenna	TESEQ	CBL 6112D	35240	09/09/2019	09/08/2020
Horn Antenna	Schwarzbeck	BBHA9120D	1187	01/09/2019	01/08/2020
Horn Antenna	SCHWAZBECK	BBHA9170	184	12/27/2018	12/26/2019
EMI Test Receiver	R&S	ESU 40	100363	04/15/2019	04/14/2020
Radio Communication Analyzer	Anritsu	MT8820C	6201107337	07/17/2019	07/16/2020
Radio Communication Analyzer	Anritsu	MT8821C	6261786084	01/09/2019	01/09/2020
Pre-Amplifier	EMC Instruments	EMC330	980096	11/20/2019	11/19/2020
Pre-Amplifier	EMC Instruments	EMC0011830	980199	11/20/2019	11/19/2020
Pre-Amplifier	EMC Instruments	EMC184045B	980135	11/20/2019	11/19/2020
Notch Filter	Woken	EWT-54-0037	RF54	11/20/2019	11/19/2020
Notch Filter	Woken	EWT-54-0038	RF55	11/20/2019	11/19/2020
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17388/4	11/20/2019	11/19/2020
Coaxial Cable	Huber Suhner	RG 214/U	W22.03	11/20/2019	11/19/2020
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17413/4	11/20/2019	11/19/2020

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

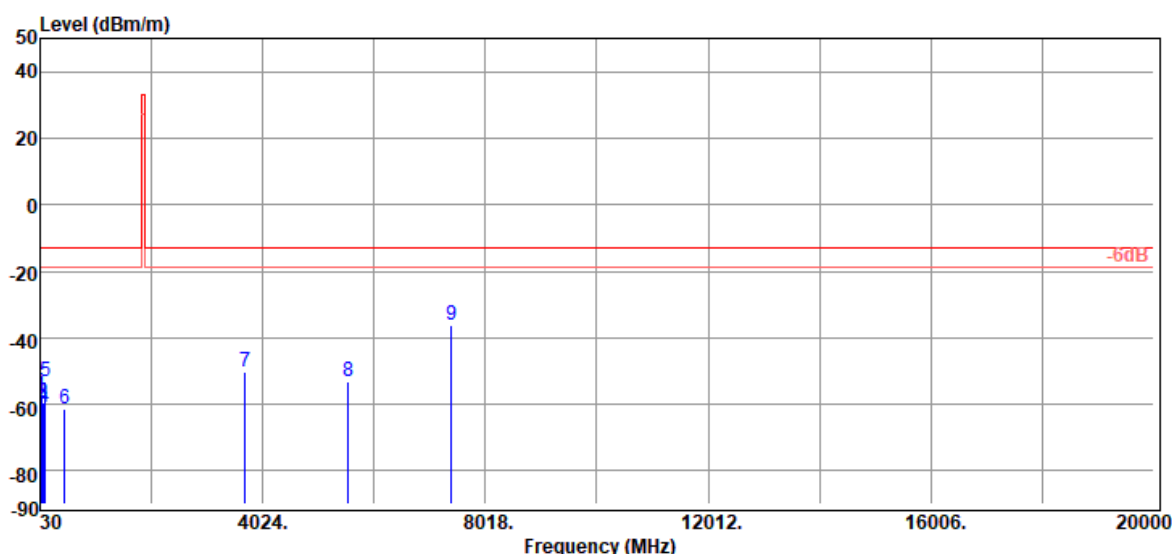
9.5 Measurement Result:

9.5.1 Radiated Spurious Emission

Cat M1 Band 2

Report Number :E2/2019/B0010
Operation Mode :M1 B2 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :1850.7 MHz

Test Date :2019-12-11
Temp./Humi. :25.6/49
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
52.31	-57.64	-39.61	-17.14	-0.89	-13.00	-44.64
68.80	-59.40	-45.95	-12.45	-1.00	-13.00	-46.40
73.65	-59.59	-48.03	-10.50	-1.06	-13.00	-46.59
94.02	-60.95	-53.94	-5.78	-1.23	-13.00	-47.95
123.12	-53.04	-44.48	-7.04	-1.52	-13.00	-40.04
463.59	-61.22	-56.63	-1.29	-3.30	-13.00	-48.22
3701.40	-50.28	-51.26	12.30	-11.32	-13.00	-37.28
5552.10	-53.04	-54.96	13.31	-11.39	-13.00	-40.04
7402.80	-36.36	-34.80	11.21	-12.77	-13.00	-23.36

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

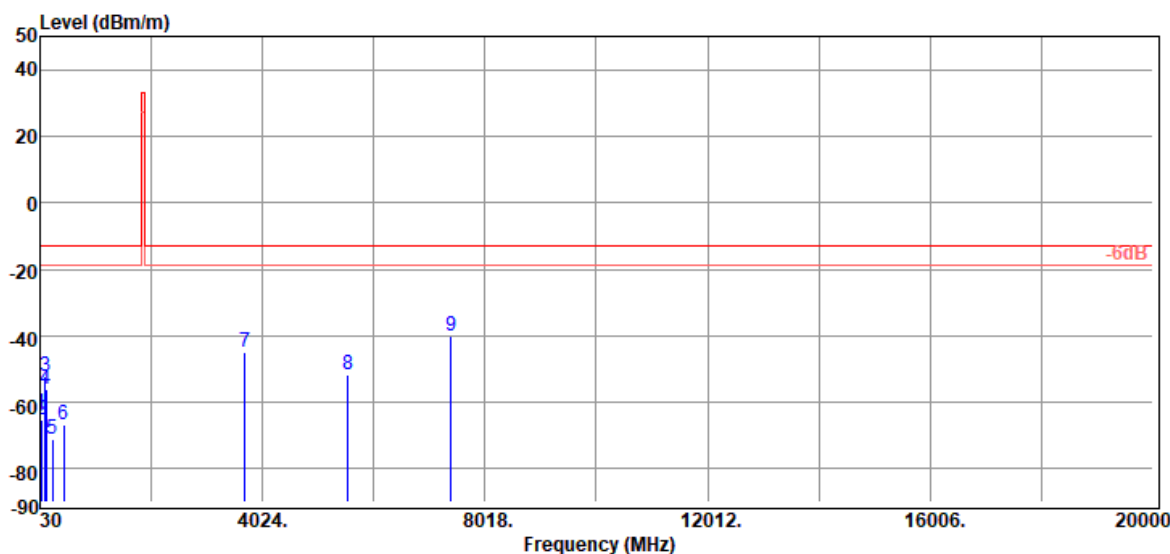
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B2 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :1850.7 MHz

Test Date :2019-12-11
Temp./Humi. :25.6/49
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
34.85	-63.42	-42.92	-19.77	-0.73	-13.00	-50.42
68.80	-65.37	-51.92	-12.45	-1.00	-13.00	-52.37
128.94	-52.05	-43.18	-7.23	-1.64	-13.00	-39.05
144.46	-55.85	-46.54	-7.64	-1.67	-13.00	-42.85
258.92	-71.08	-67.28	-1.53	-2.27	-13.00	-58.08
460.68	-66.93	-62.27	-1.28	-3.38	-13.00	-53.93
3701.40	-44.91	-45.89	12.30	-11.32	-13.00	-31.91
5552.10	-51.97	-53.89	13.31	-11.39	-13.00	-38.97
7402.80	-40.15	-38.59	11.22	-12.78	-13.00	-27.15

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

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

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

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

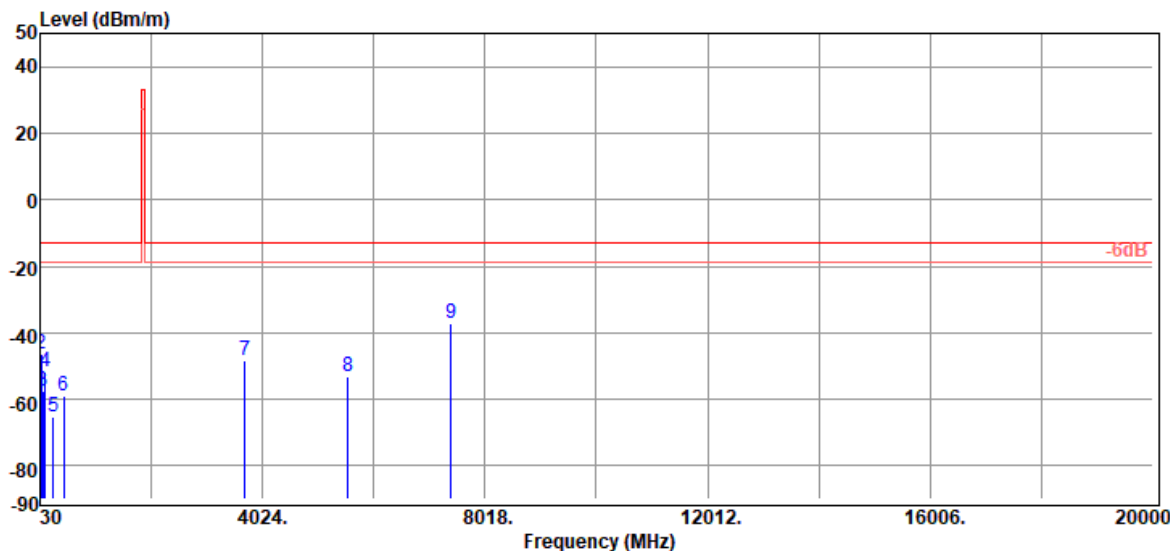
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B2 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :1850.7 MHz

Test Date :2019-12-11
Temp./Humi. :25.6/49
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.82	-57.97	-37.57	-19.64	-0.76	-13.00	-44.97
51.34	-46.42	-28.21	-17.33	-0.88	-13.00	-33.42
74.62	-57.60	-46.37	-10.16	-1.07	-13.00	-44.60
126.03	-51.94	-43.23	-7.13	-1.58	-13.00	-38.94
265.71	-65.21	-61.36	-1.58	-2.27	-13.00	-52.21
459.71	-58.86	-54.18	-1.29	-3.39	-13.00	-45.86
3701.40	-48.32	-49.30	12.30	-11.32	-13.00	-35.32
5552.10	-53.14	-55.06	13.31	-11.39	-13.00	-40.14
7402.80	-37.31	-35.75	11.21	-12.77	-13.00	-24.31

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

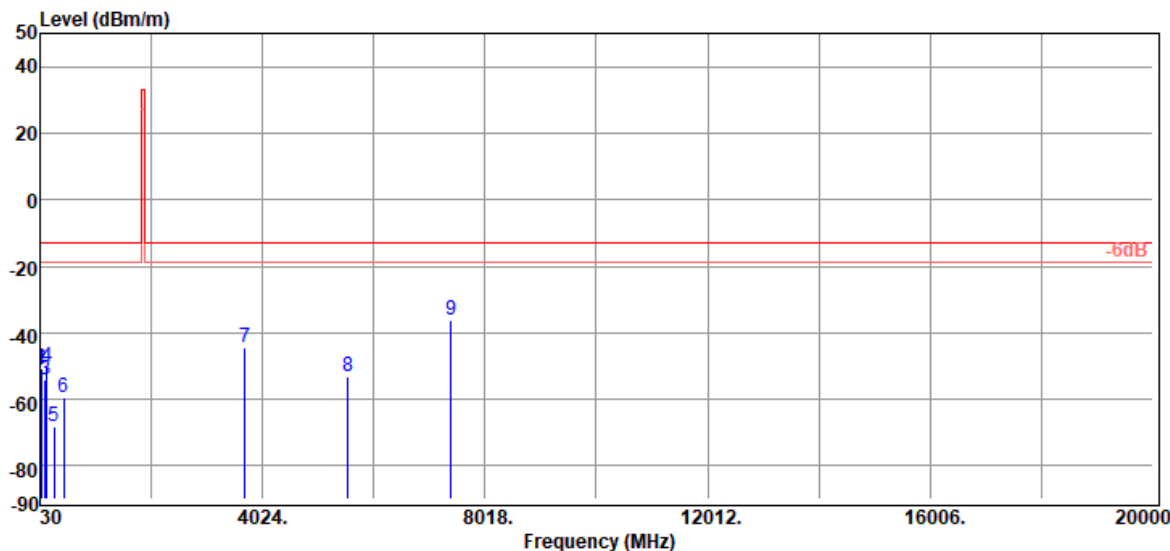
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B2 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :1850.7 MHz

Test Date :2019-12-11
Temp./Humi. :25.6/49
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
33.88	-51.21	-30.66	-19.84	-0.71	-13.00	-38.21
54.25	-50.60	-32.95	-16.73	-0.92	-13.00	-37.60
126.03	-54.03	-45.32	-7.13	-1.58	-13.00	-41.03
149.31	-50.35	-41.21	-7.46	-1.68	-13.00	-37.35
278.32	-68.40	-64.33	-1.68	-2.39	-13.00	-55.40
461.65	-59.66	-55.03	-1.28	-3.35	-13.00	-46.66
3701.40	-44.52	-45.50	12.30	-11.32	-13.00	-31.52
5552.10	-52.95	-54.87	13.31	-11.39	-13.00	-39.95
7402.80	-36.27	-34.71	11.21	-12.77	-13.00	-23.27

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

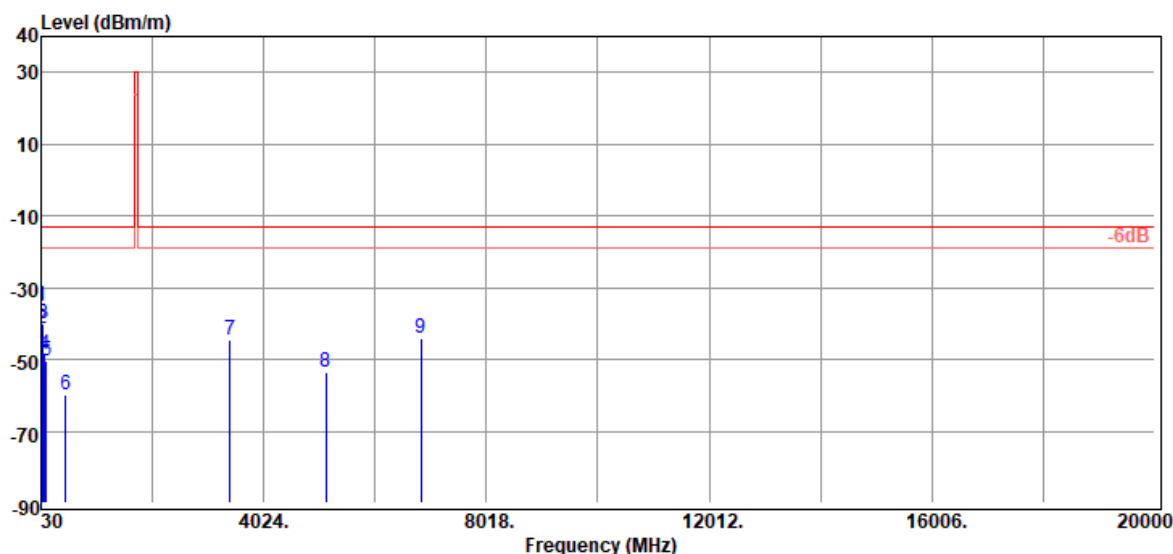
www.tw.sgs.com

Member of SGS Group

Cat M1 Band 4

Report Number :E2/2019/B0010
Operation Mode :M1 B4 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :1710.7 MHz

Test Date :2019-12-11
Temp./Humi. :25.8/48
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
37.76	-35.10	-14.95	-19.35	-0.80	-13.00	-22.10
45.52	-41.22	-21.98	-18.38	-0.86	-13.00	-28.22
66.86	-40.11	-26.06	-13.05	-1.00	-13.00	-27.11
101.78	-48.55	-40.76	-6.44	-1.35	-13.00	-35.55
130.88	-50.21	-41.26	-7.29	-1.66	-13.00	-37.21
466.50	-59.86	-55.36	-1.29	-3.21	-13.00	-46.86
3421.40	-44.36	-45.71	12.66	-11.31	-13.00	-31.36
5132.10	-53.42	-54.10	12.46	-11.78	-13.00	-40.42
6842.80	-44.24	-44.28	12.43	-12.39	-13.00	-31.24

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

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

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

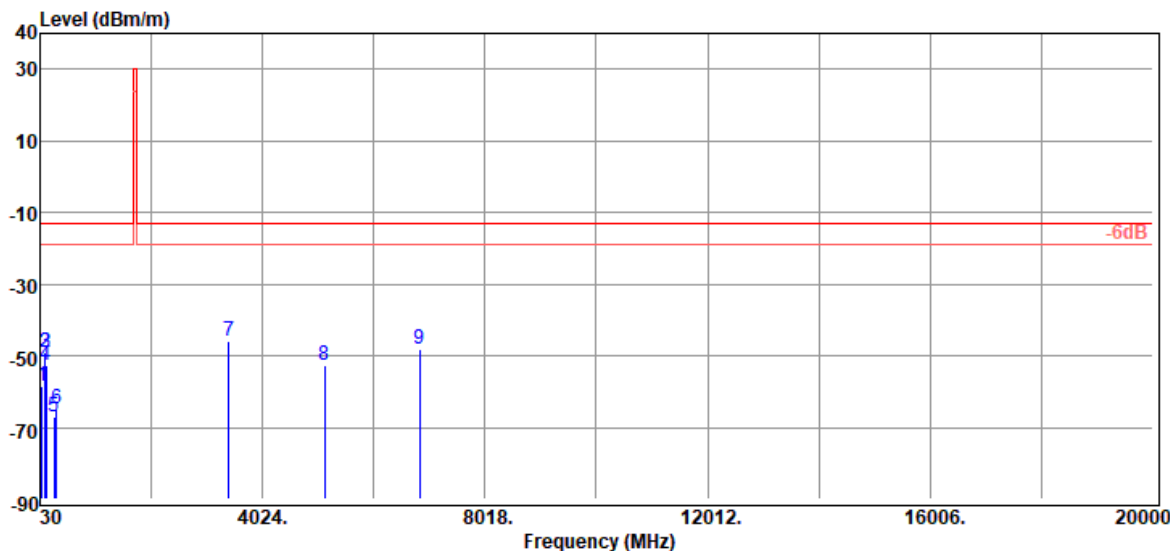
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B4 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :1710.7 MHz

Test Date :2019-12-11
Temp./Humi. :25.8/48
Antenna Pol. :HORIZONTAL
Engineer :Ashton



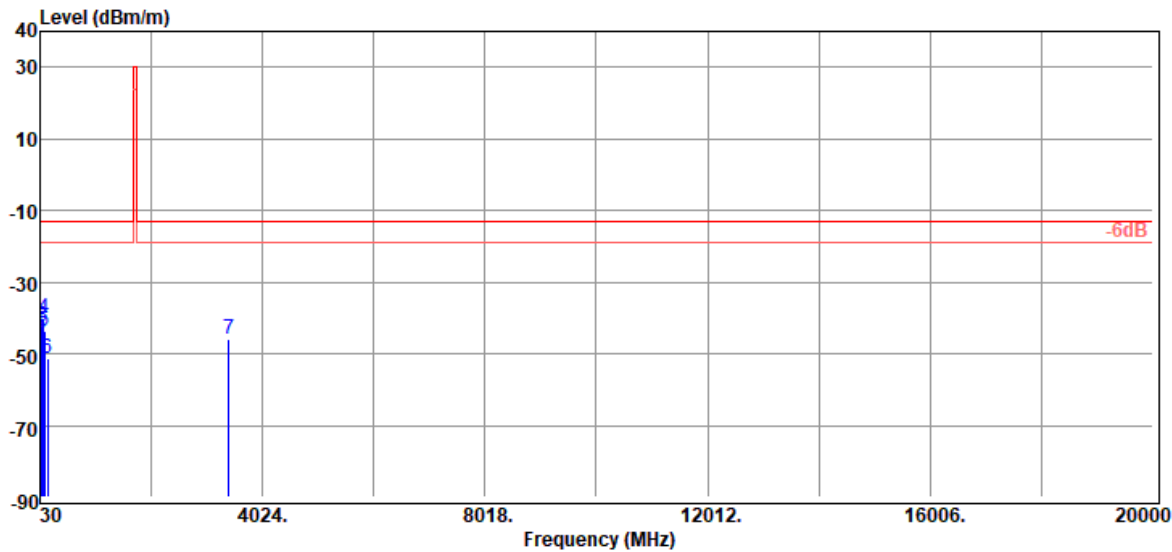
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
68.80	-58.48	-45.03	-12.45	-1.00	-13.00	-45.48
127.00	-48.98	-40.22	-7.16	-1.60	-13.00	-35.98
129.91	-48.98	-40.06	-7.26	-1.66	-13.00	-35.98
145.43	-52.68	-43.38	-7.63	-1.67	-13.00	-39.68
276.38	-66.88	-62.86	-1.66	-2.36	-13.00	-53.88
325.85	-64.59	-60.31	-1.59	-2.69	-13.00	-51.59
3421.40	-45.75	-47.10	12.66	-11.31	-13.00	-32.75
5132.10	-52.54	-53.22	12.46	-11.78	-13.00	-39.54
6842.80	-48.02	-48.06	12.43	-12.39	-13.00	-35.02

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

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

Report Number :E2/2019/B0010
Operation Mode :M1 B4 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :1710.7 MHz

Test Date :2019-12-11
Temp./Humi. :25.8/48
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
43.58	-46.97	-27.40	-18.71	-0.86	-13.00	-33.97
50.37	-46.47	-28.10	-17.50	-0.87	-13.00	-33.47
70.74	-42.52	-29.79	-11.72	-1.01	-13.00	-29.52
94.99	-40.25	-33.32	-5.69	-1.24	-13.00	-27.25
108.57	-43.58	-35.17	-6.98	-1.43	-13.00	-30.58
164.83	-51.44	-43.13	-6.60	-1.71	-13.00	-38.44
3421.40	-46.11	-47.46	12.66	-11.31	-13.00	-33.11

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

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

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

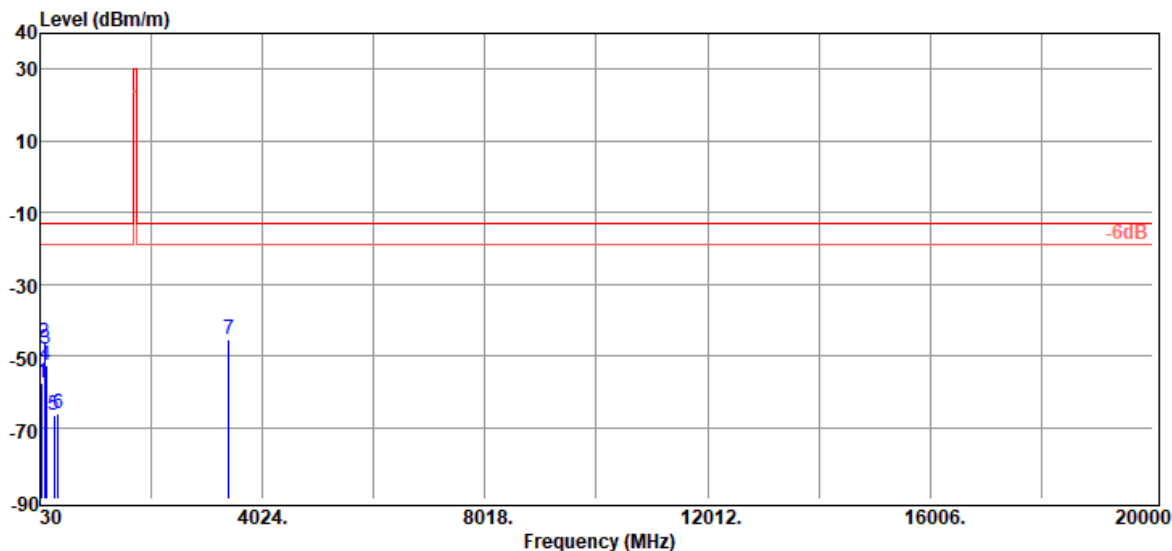
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B4 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :1710.7 MHz

Test Date :2019-12-11
Temp./Humi. :25.8/48
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
69.77	-57.57	-44.46	-12.11	-1.00	-13.00	-44.57
112.45	-46.18	-37.56	-7.17	-1.45	-13.00	-33.18
127.00	-48.16	-39.40	-7.16	-1.60	-13.00	-35.16
136.70	-52.57	-43.31	-7.60	-1.66	-13.00	-39.57
277.35	-66.73	-62.69	-1.67	-2.37	-13.00	-53.73
353.98	-65.95	-62.03	-1.34	-2.58	-13.00	-52.95
3421.40	-45.45	-46.80	12.66	-11.31	-13.00	-32.45

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

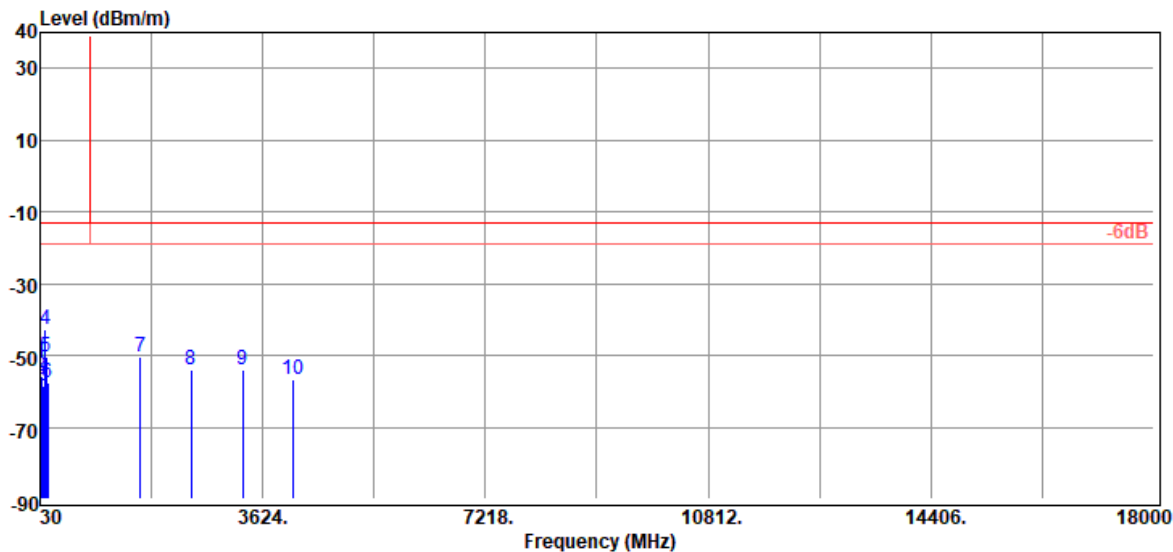
www.tw.sgs.com

Member of SGS Group

Cat M1 Band 5

Report Number :E2/2019/B0010
Operation Mode :M1 B5 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :824.7 MHz

Test Date :2019-12-11
Temp./Humi. :24.9/47
Antenna Pol. :VERTICAL
Engineer :Ashton



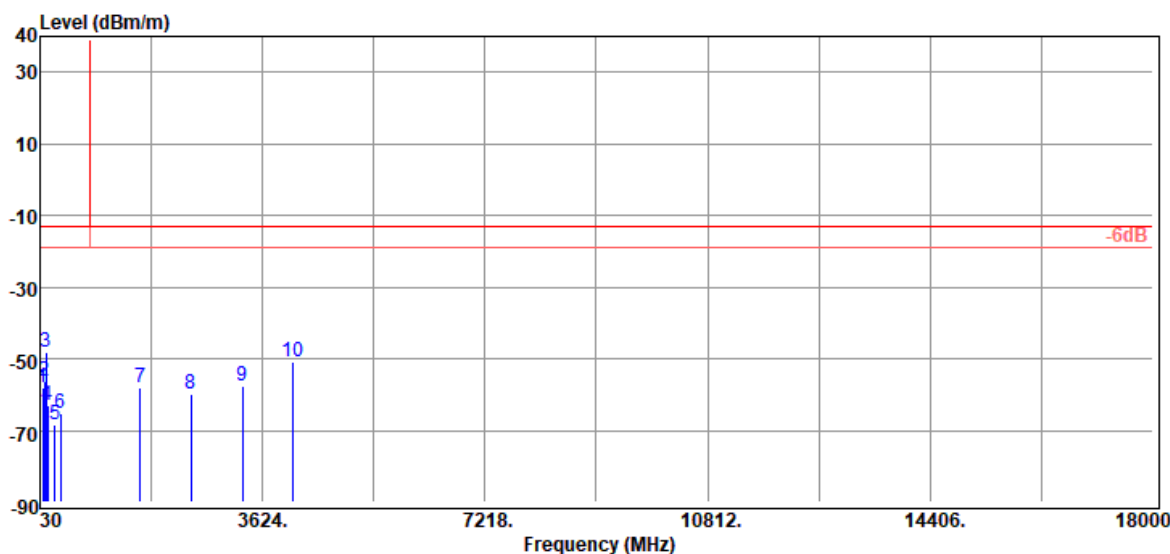
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
34.85	-51.57	-31.07	-19.77	-0.73	-13.00	-38.57
55.22	-55.79	-38.38	-16.48	-0.93	-13.00	-42.79
72.68	-58.51	-46.53	-10.94	-1.04	-13.00	-45.51
110.51	-42.65	-34.18	-7.02	-1.45	-13.00	-29.65
125.06	-50.59	-41.93	-7.10	-1.56	-13.00	-37.59
150.28	-57.41	-48.33	-7.40	-1.68	-13.00	-44.41
1649.40	-50.44	-52.21	9.30	-7.53	-13.00	-37.44
2474.10	-53.82	-55.37	10.55	-9.00	-13.00	-40.82
3298.80	-54.15	-55.09	12.19	-11.25	-13.00	-41.15
4123.50	-56.58	-58.60	12.85	-10.83	-13.00	-43.58

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

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

Report Number :E2/2019/B0010
Operation Mode :M1 B5 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :824.7 MHz

Test Date :2019-12-11
Temp./Humi. :24.9/47
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
70.74	-57.89	-45.16	-11.72	-1.01	-13.00	-44.89
97.90	-56.24	-48.94	-6.01	-1.29	-13.00	-43.24
127.00	-48.18	-39.42	-7.16	-1.60	-13.00	-35.18
148.34	-62.94	-53.75	-7.51	-1.68	-13.00	-49.94
274.44	-68.52	-64.54	-1.65	-2.33	-13.00	-55.52
359.80	-65.18	-61.19	-1.41	-2.58	-13.00	-52.18
1649.40	-57.96	-59.73	9.30	-7.53	-13.00	-44.96
2474.10	-60.06	-61.61	10.55	-9.00	-13.00	-47.06
3298.80	-57.74	-58.68	12.19	-11.25	-13.00	-44.74
4123.50	-50.66	-52.68	12.85	-10.83	-13.00	-37.66

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

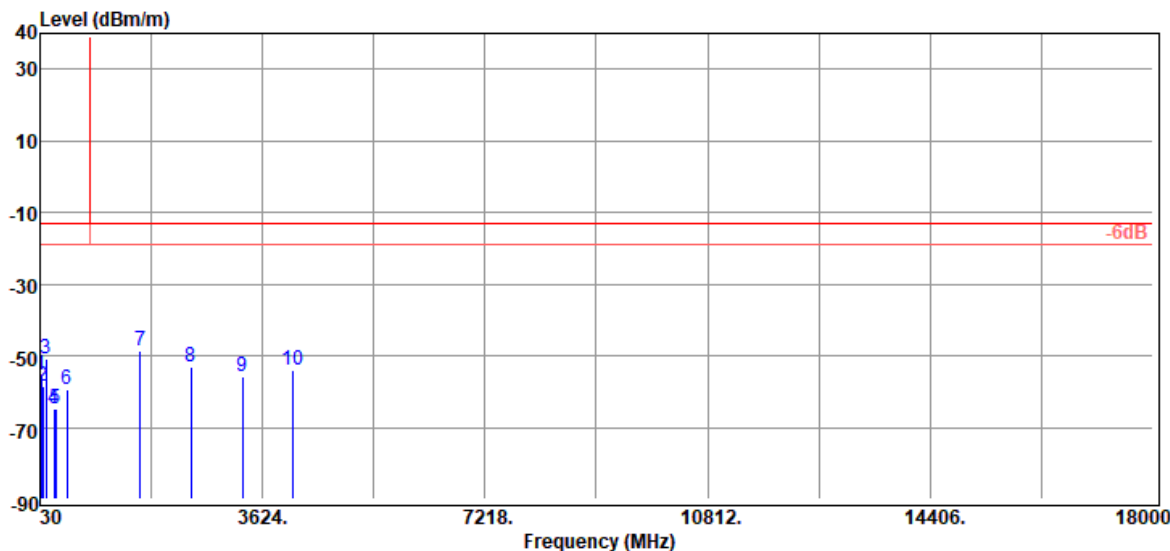
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B5 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :824.7 MHz

Test Date :2019-12-11
Temp./Humi. :24.9/47
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.25	-55.58	-37.93	-16.73	-0.92	-13.00	-42.58
73.65	-58.33	-46.77	-10.50	-1.06	-13.00	-45.33
125.06	-50.67	-42.01	-7.10	-1.56	-13.00	-37.67
260.86	-64.71	-60.89	-1.55	-2.27	-13.00	-51.71
278.32	-64.70	-60.63	-1.68	-2.39	-13.00	-51.70
467.47	-59.28	-54.81	-1.29	-3.18	-13.00	-46.28
1649.40	-48.48	-50.25	9.30	-7.53	-13.00	-35.48
2474.10	-52.95	-54.50	10.55	-9.00	-13.00	-39.95
3298.80	-55.84	-56.76	12.16	-11.24	-13.00	-42.84
4123.50	-53.83	-55.85	12.85	-10.83	-13.00	-40.83

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

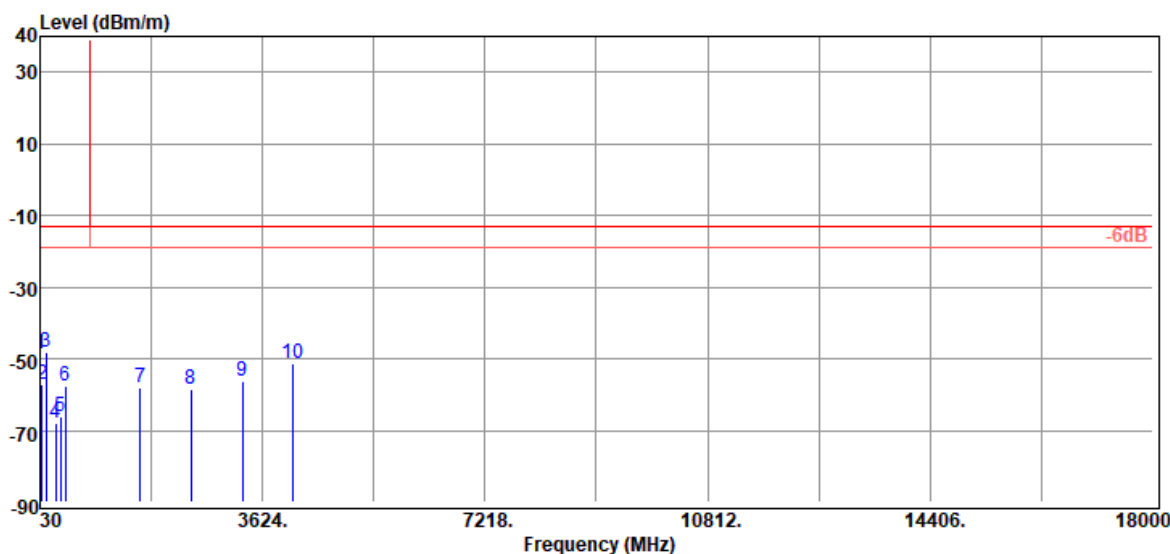
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B5 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :824.7 MHz

Test Date :2019-12-11
Temp./Humi. :24.9/47
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.97	-48.75	-27.50	-20.62	-0.63	-13.00	-35.75
68.80	-57.01	-43.56	-12.45	-1.00	-13.00	-44.01
128.94	-48.18	-39.31	-7.23	-1.64	-13.00	-35.18
280.26	-67.95	-63.84	-1.70	-2.41	-13.00	-54.95
356.89	-66.24	-62.29	-1.37	-2.58	-13.00	-53.24
441.28	-57.69	-53.40	-1.37	-2.92	-13.00	-44.69
1649.40	-57.90	-59.67	9.30	-7.53	-13.00	-44.90
2474.10	-58.64	-60.19	10.55	-9.00	-13.00	-45.64
3298.80	-56.24	-57.18	12.19	-11.25	-13.00	-43.24
4123.50	-51.44	-53.46	12.85	-10.83	-13.00	-38.44

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

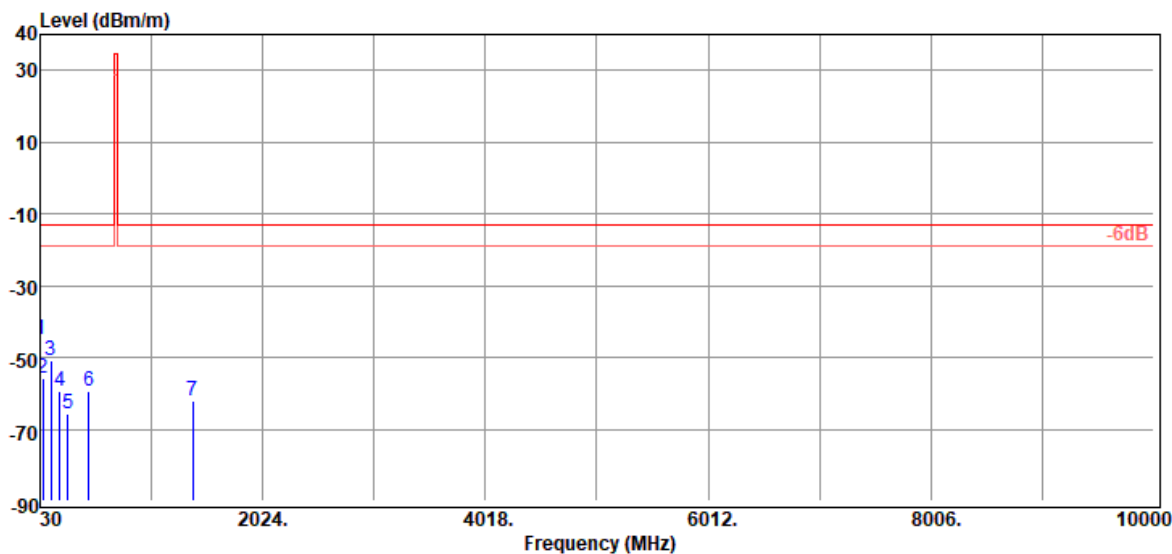
www.tw.sgs.com

Member of SGS Group

Cat M1 Band 12

Report Number :E2/2019/B0010
Operation Mode :M1 B12 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :699.7 MHz

Test Date :2019-12-11
Temp./Humi. :24.8/46
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level	Gain	Loss	dBm	dB
		dBm	dBi/dBd	dB		
35.82	-44.92	-24.52	-19.64	-0.76	-13.00	-31.92
55.22	-55.68	-38.27	-16.48	-0.93	-13.00	-42.68
127.00	-51.02	-42.26	-7.16	-1.60	-13.00	-38.02
206.54	-59.21	-55.32	-1.81	-2.08	-13.00	-46.21
279.29	-65.52	-61.43	-1.69	-2.40	-13.00	-52.52
463.59	-59.53	-54.94	-1.29	-3.30	-13.00	-46.53
1399.40	-62.02	-62.49	6.99	-6.52	-13.00	-49.02

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

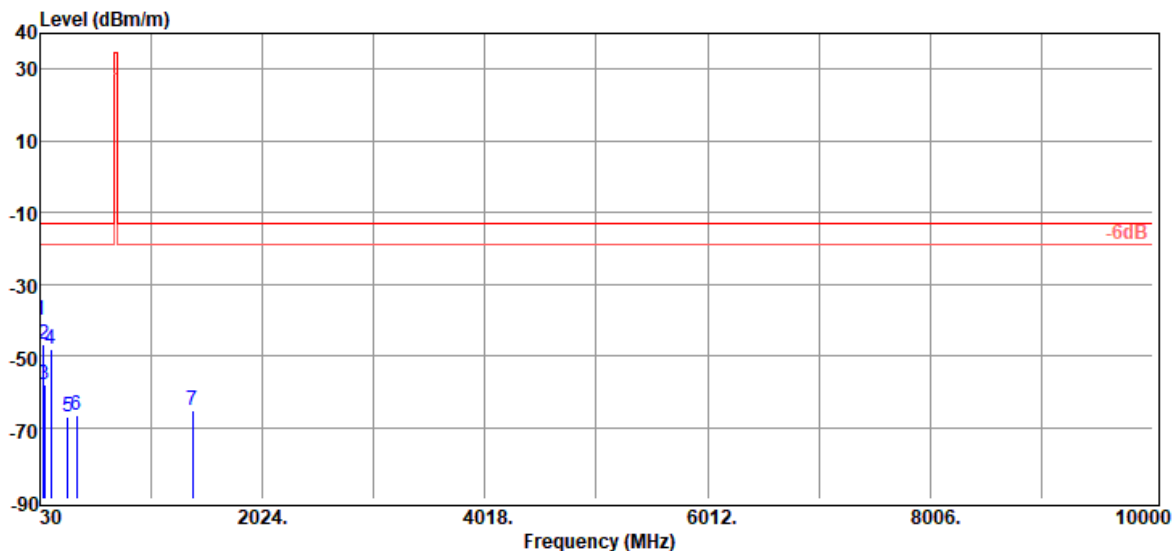
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B12 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :699.7 MHz

Test Date :2019-12-11
Temp./Humi. :24.8/46
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.82	-40.09	-19.69	-19.64	-0.76	-13.00	-27.09
61.04	-46.84	-30.92	-14.92	-1.00	-13.00	-33.84
69.77	-58.26	-45.15	-12.11	-1.00	-13.00	-45.26
128.94	-48.22	-39.35	-7.23	-1.64	-13.00	-35.22
278.32	-66.89	-62.82	-1.68	-2.39	-13.00	-53.89
356.89	-66.49	-62.54	-1.37	-2.58	-13.00	-53.49
1399.40	-65.39	-65.86	6.99	-6.52	-13.00	-52.39

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

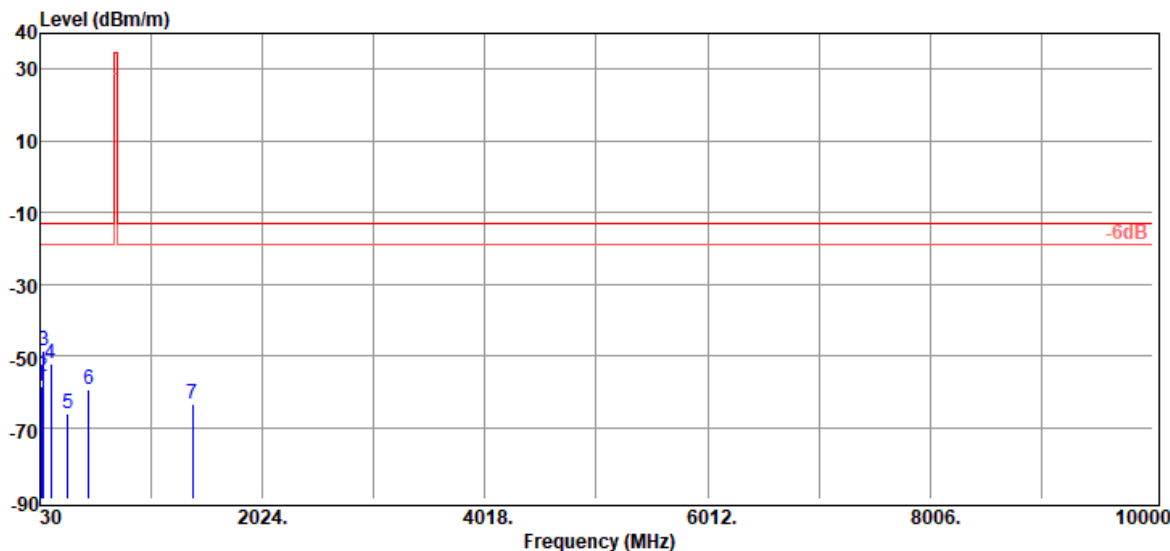
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B12 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :699.7 MHz

Test Date :2019-12-11
Temp./Humi. :24.8/46
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
42.61	-58.66	-38.99	-18.81	-0.86	-13.00	-45.66
54.25	-55.88	-38.23	-16.73	-0.92	-13.00	-42.88
61.04	-48.42	-32.50	-14.92	-1.00	-13.00	-35.42
127.97	-52.00	-43.18	-7.20	-1.62	-13.00	-39.00
280.26	-65.94	-61.83	-1.70	-2.41	-13.00	-52.94
463.59	-59.33	-54.74	-1.29	-3.30	-13.00	-46.33
1399.40	-63.48	-63.95	6.99	-6.52	-13.00	-50.48

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

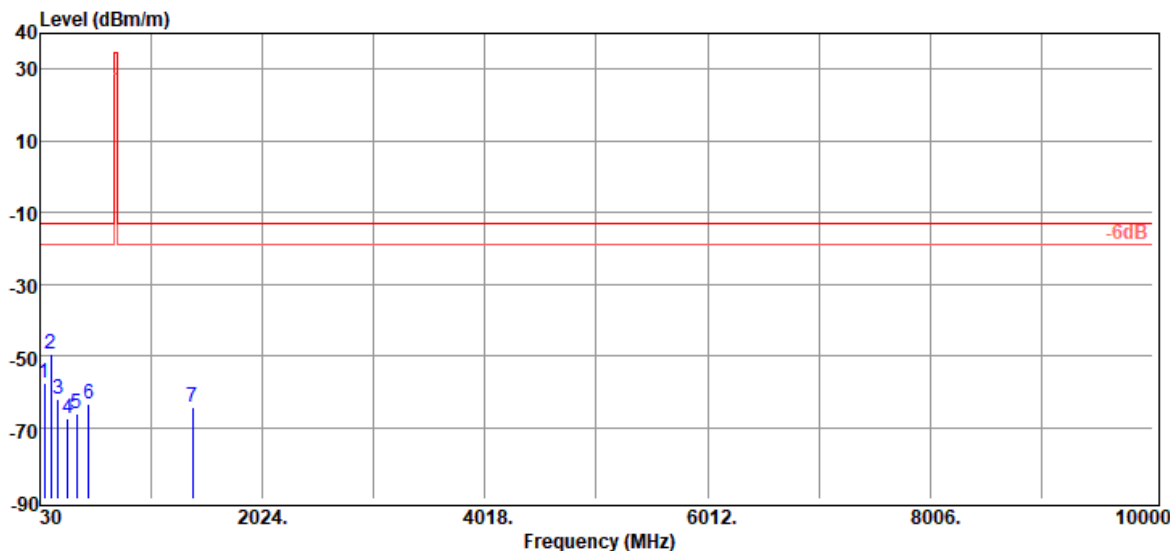
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B12 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :699.7 MHz

Test Date :2019-12-11
Temp./Humi. :24.8/46
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
68.80	-57.78	-44.33	-12.45	-1.00	-13.00	-44.78
128.94	-49.45	-40.58	-7.23	-1.64	-13.00	-36.45
190.05	-61.98	-57.16	-2.95	-1.87	-13.00	-48.98
280.26	-67.56	-63.45	-1.70	-2.41	-13.00	-54.56
356.89	-66.33	-62.38	-1.37	-2.58	-13.00	-53.33
465.53	-63.35	-58.82	-1.29	-3.24	-13.00	-50.35
1399.40	-64.53	-65.00	6.99	-6.52	-13.00	-51.53

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

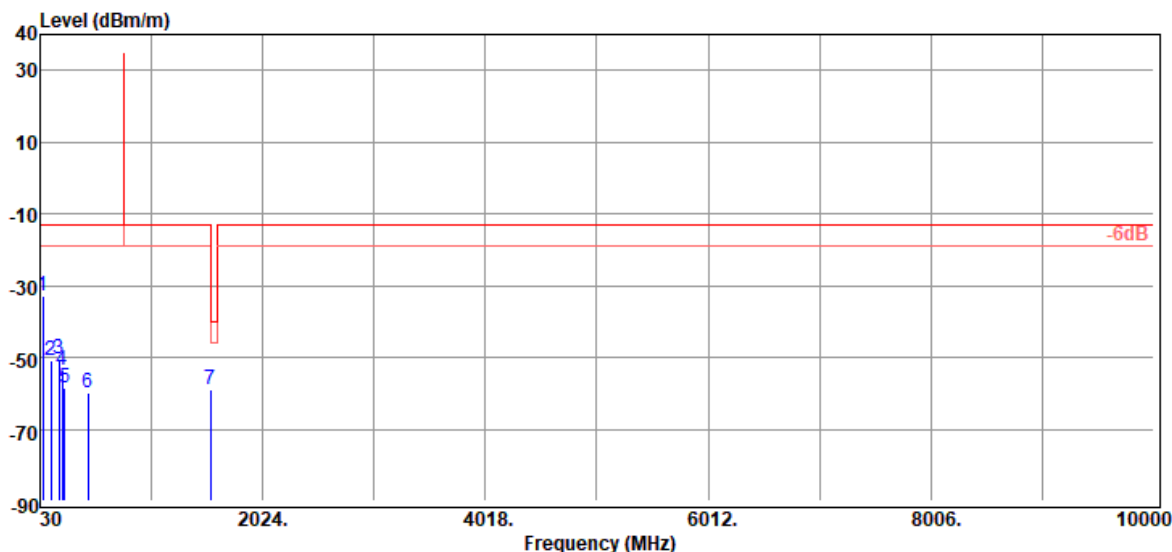
www.tw.sgs.com

Member of SGS Group

Cat M1 Band 13

Report Number :E2/2019/B0010
Operation Mode :M1 B13 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :779.5 MHz

Test Date :2019-12-11
Temp./Humi. :24.4/47
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
52.31	-32.93	-14.90	-17.14	-0.89	-13.00	-19.93
125.06	-50.80	-42.14	-7.10	-1.56	-13.00	-37.80
199.75	-50.43	-46.23	-2.13	-2.07	-13.00	-37.43
226.91	-53.69	-50.22	-1.28	-2.19	-13.00	-40.69
252.13	-58.49	-54.70	-1.55	-2.24	-13.00	-45.49
460.68	-59.85	-55.19	-1.28	-3.38	-13.00	-46.85
1559.00	-58.75	-60.44	8.69	-7.00	-40.00	-18.75

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

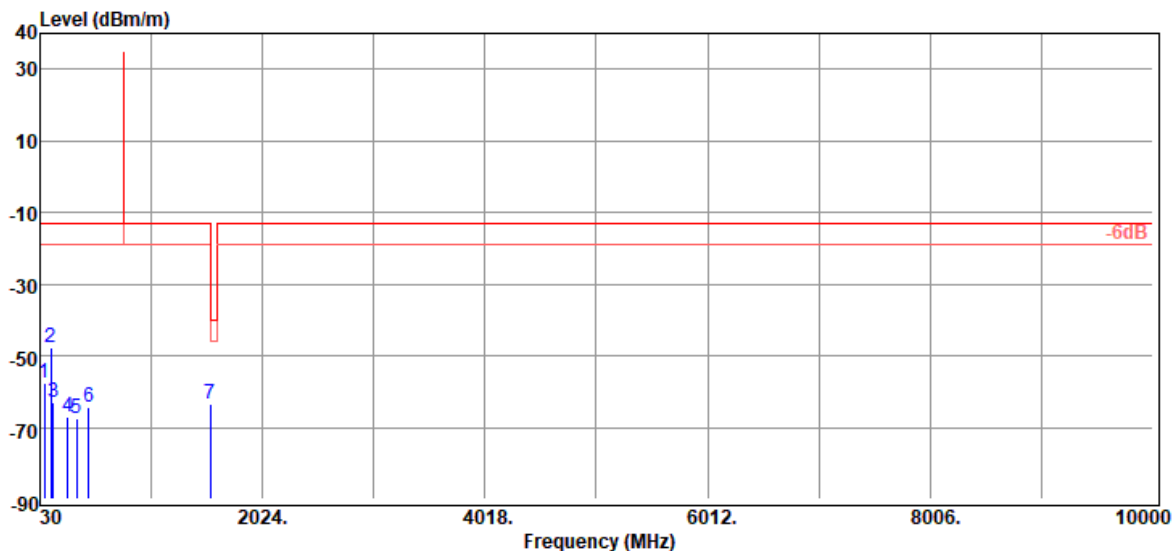
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B13 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :779.5 MHz

Test Date :2019-12-11
Temp./Humi. :24.4/47
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
69.77	-57.39	-44.28	-12.11	-1.00	-13.00	-44.39
127.00	-47.57	-38.81	-7.16	-1.60	-13.00	-34.57
151.25	-63.02	-53.99	-7.35	-1.68	-13.00	-50.02
278.32	-66.88	-62.81	-1.68	-2.39	-13.00	-53.88
357.86	-67.71	-63.75	-1.38	-2.58	-13.00	-54.71
467.47	-64.16	-59.69	-1.29	-3.18	-13.00	-51.16
1559.00	-63.64	-65.33	8.69	-7.00	-40.00	-23.64

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

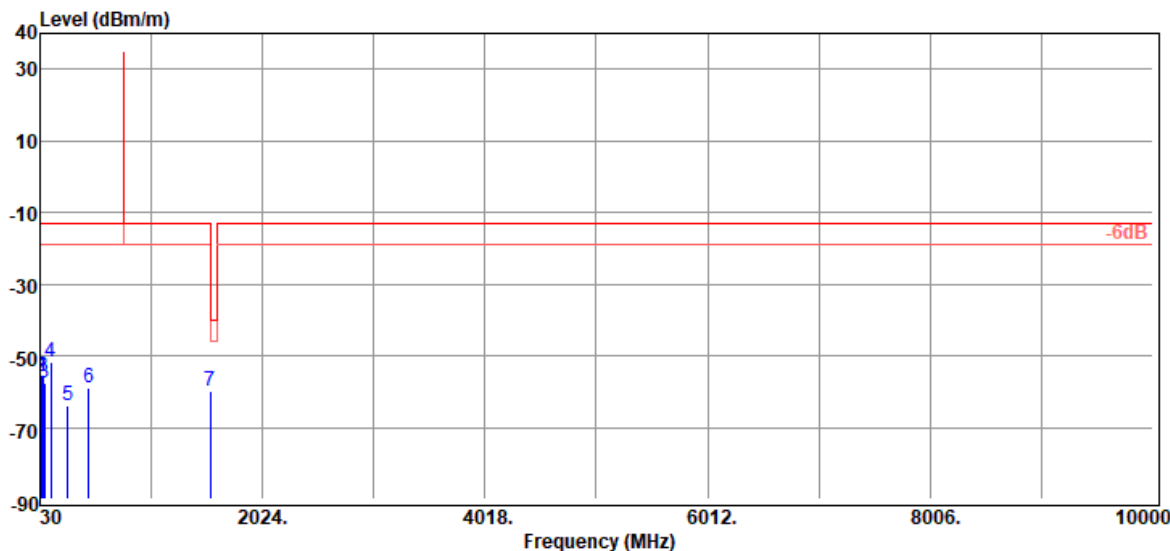
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B13 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :779.5 MHz

Test Date :2019-12-11
Temp./Humi. :24.4/47
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
47.46	-56.01	-37.08	-18.07	-0.86	-13.00	-43.01
53.28	-55.99	-38.17	-16.91	-0.91	-13.00	-42.99
67.83	-57.44	-43.61	-12.83	-1.00	-13.00	-44.44
126.03	-51.57	-42.86	-7.13	-1.58	-13.00	-38.57
279.29	-63.99	-59.90	-1.69	-2.40	-13.00	-50.99
466.50	-58.92	-54.42	-1.29	-3.21	-13.00	-45.92
1559.00	-59.87	-61.56	8.69	-7.00	-40.00	-19.87

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

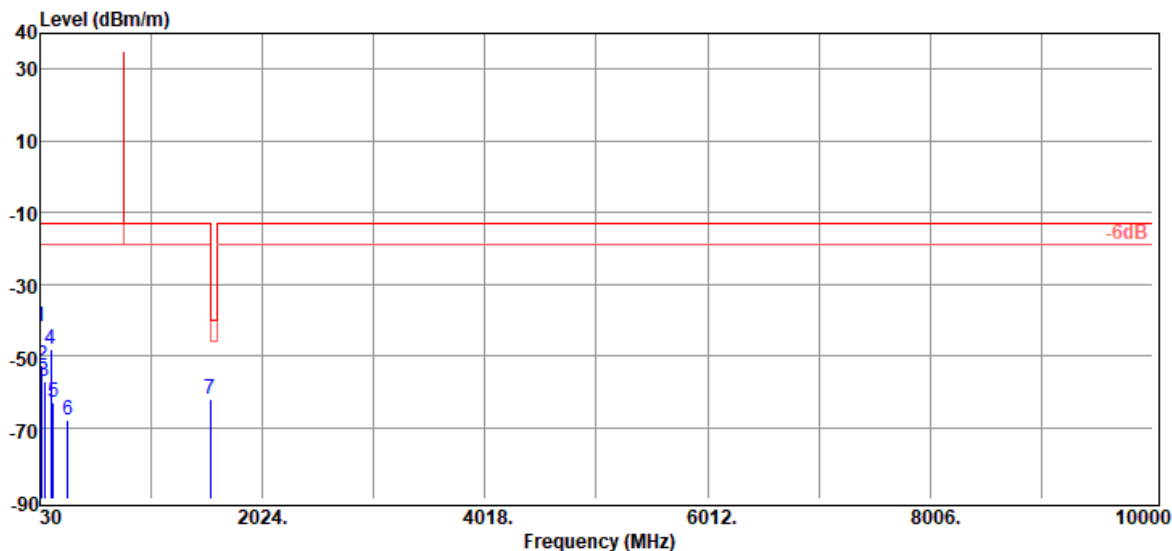
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B13 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :779.5 MHz

Test Date :2019-12-11
Temp./Humi. :24.4/47
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.91	-41.97	-21.20	-20.09	-0.68	-13.00	-28.97
45.52	-52.47	-33.23	-18.38	-0.86	-13.00	-39.47
67.83	-57.26	-43.43	-12.83	-1.00	-13.00	-44.26
127.00	-48.21	-39.45	-7.16	-1.60	-13.00	-35.21
151.25	-63.21	-54.18	-7.35	-1.68	-13.00	-50.21
277.35	-67.95	-63.91	-1.67	-2.37	-13.00	-54.95
1559.00	-62.19	-63.88	8.69	-7.00	-40.00	-22.19

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

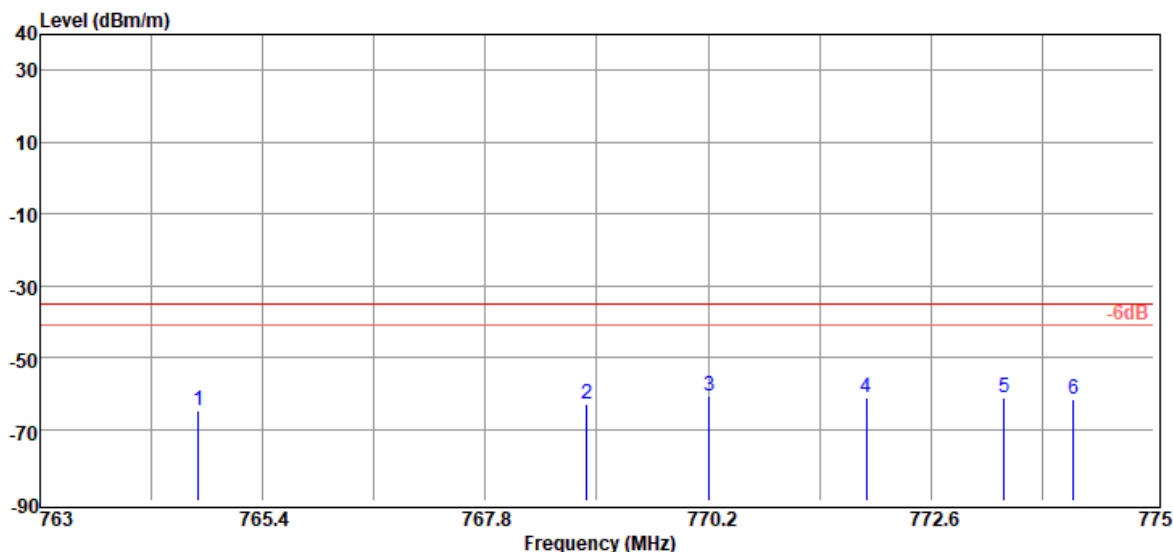
www.tw.sgs.com

Member of SGS Group

Cat M1 Band 13 (763-775MHz)

Report Number :E2/2019/B0010
Operation Mode :M1 B13 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :779.5 MHz

Test Date :2019-12-11
Temp./Humi. :25.2/56
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
764.70	-64.72	-58.78	-1.67	-4.27	-35.00	-29.72
768.89	-62.91	-57.02	-1.62	-4.27	-35.00	-27.91
770.21	-60.79	-54.90	-1.61	-4.28	-35.00	-25.79
771.90	-61.10	-55.17	-1.59	-4.34	-35.00	-26.10
773.39	-61.42	-55.45	-1.57	-4.40	-35.00	-26.42
774.14	-61.62	-55.64	-1.56	-4.42	-35.00	-26.62

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

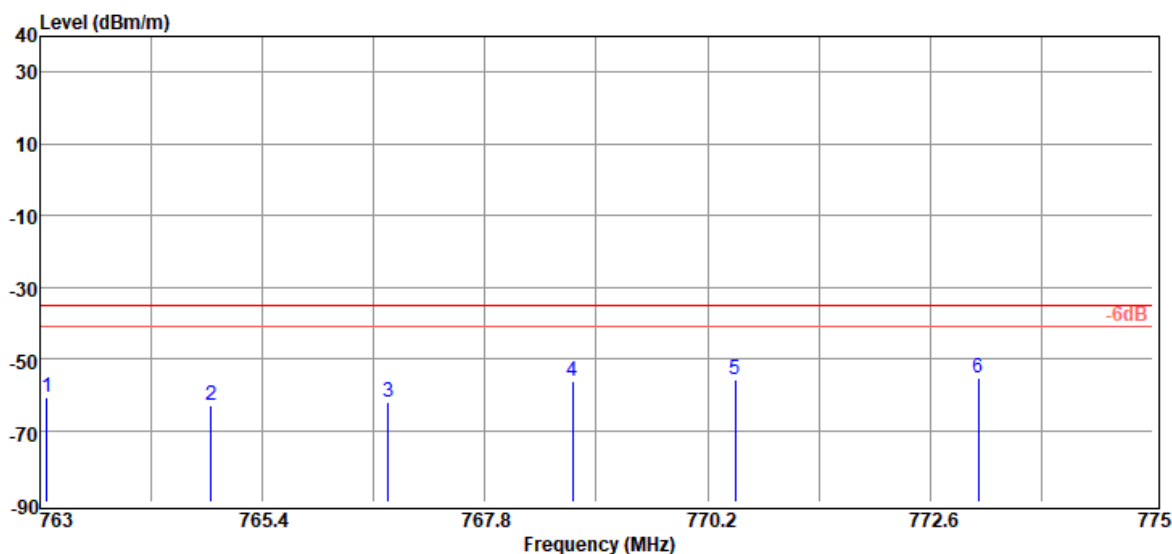
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B13 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :779.5 MHz

Test Date :2019-12-11
Temp./Humi. :25.2/56
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
763.07	-60.98	-55.02	-1.69	-4.27	-35.00	-25.98
764.85	-63.00	-57.06	-1.67	-4.27	-35.00	-28.00
766.76	-62.27	-56.35	-1.65	-4.27	-35.00	-27.27
768.75	-56.42	-50.52	-1.63	-4.27	-35.00	-21.42
770.50	-55.99	-50.10	-1.60	-4.29	-35.00	-20.99
773.12	-55.47	-49.51	-1.57	-4.39	-35.00	-20.47

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

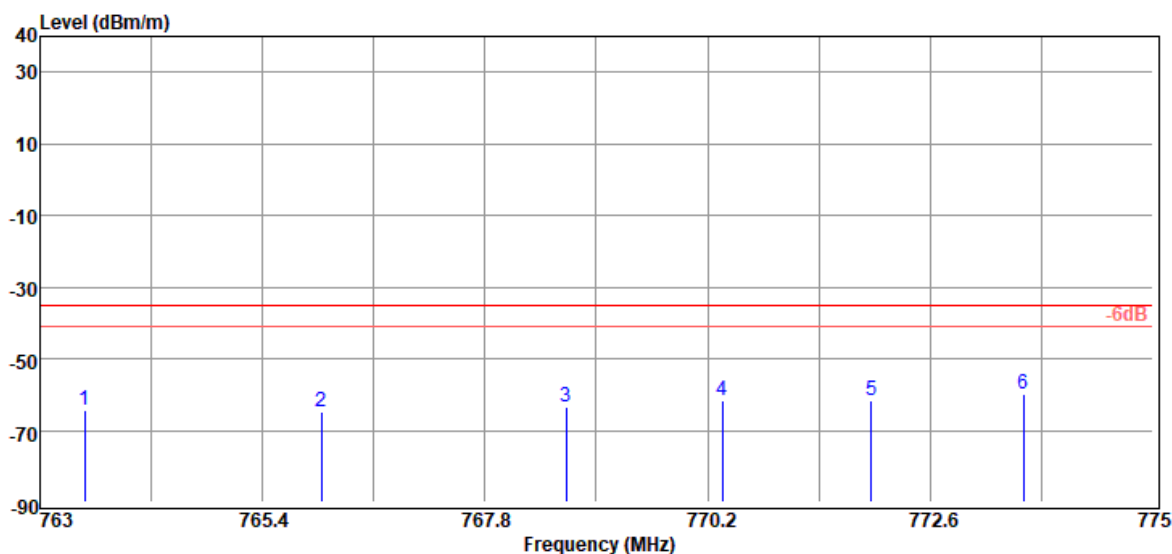
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B13 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :779.5 MHz

Test Date :2019-12-11
Temp./Humi. :25.2/56
Antenna Pol. :VERTICAL
Engineer :Ashton



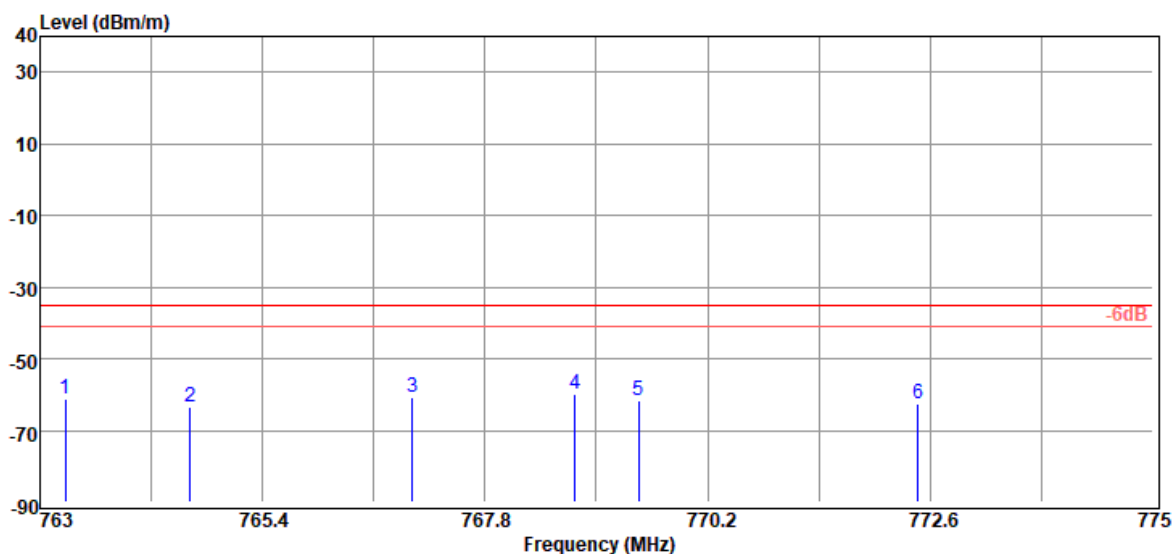
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
763.48	-64.43	-58.47	-1.69	-4.27	-35.00	-29.43
766.04	-64.92	-58.99	-1.66	-4.27	-35.00	-29.92
768.68	-63.31	-57.41	-1.63	-4.27	-35.00	-28.31
770.36	-61.87	-55.98	-1.61	-4.28	-35.00	-26.87
771.96	-61.58	-55.65	-1.59	-4.34	-35.00	-26.58
773.61	-59.68	-53.71	-1.57	-4.40	-35.00	-24.68

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

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

Report Number :E2/2019/B0010
Operation Mode :M1 B13 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :779.5 MHz

Test Date :2019-12-11
Temp./Humi. :25.2/56
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
763.28	-61.26	-55.30	-1.69	-4.27	-35.00	-26.26
764.62	-63.51	-57.57	-1.67	-4.27	-35.00	-28.51
767.02	-60.97	-55.05	-1.65	-4.27	-35.00	-25.97
768.77	-59.64	-53.75	-1.62	-4.27	-35.00	-24.64
769.46	-61.55	-55.66	-1.62	-4.27	-35.00	-26.55
772.47	-62.46	-56.52	-1.58	-4.36	-35.00	-27.46

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

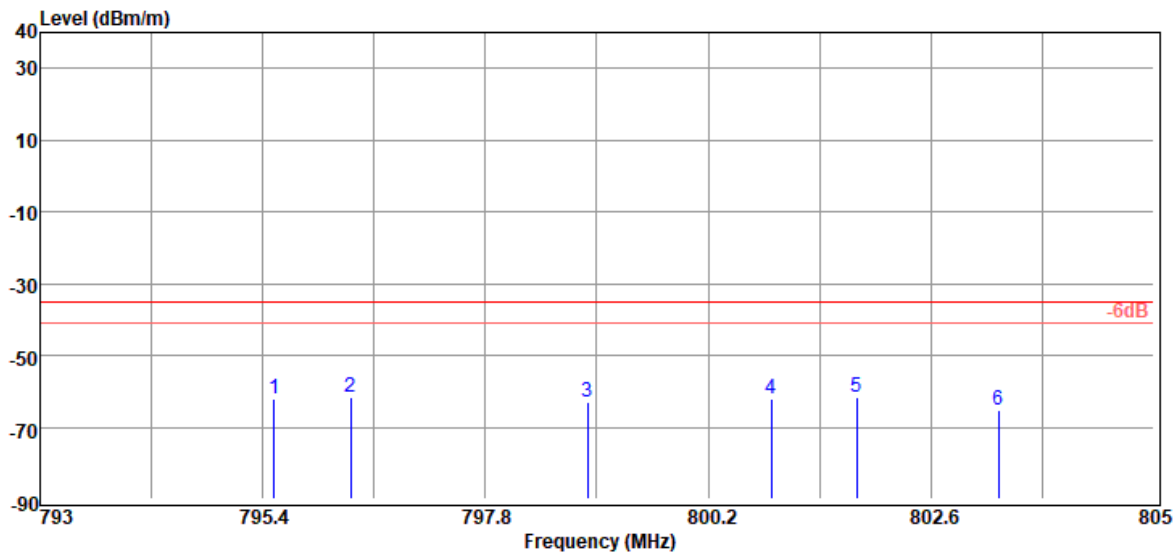
www.tw.sgs.com

Member of SGS Group

Cat M1 Band 13 (793-805MHz)

Report Number :E2/2019/B0010
Operation Mode :M1 B13 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :779.5 MHz

Test Date :2019-12-11
Temp./Humi. :25.2/56
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
795.52	-61.91	-55.79	-1.71	-4.41	-35.00	-26.91
796.35	-61.76	-55.70	-1.69	-4.37	-35.00	-26.76
798.90	-62.99	-57.11	-1.61	-4.27	-35.00	-27.99
800.88	-61.91	-56.12	-1.57	-4.22	-35.00	-26.91
801.80	-61.63	-55.85	-1.56	-4.22	-35.00	-26.63
803.33	-65.31	-59.55	-1.54	-4.22	-35.00	-30.31

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

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

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

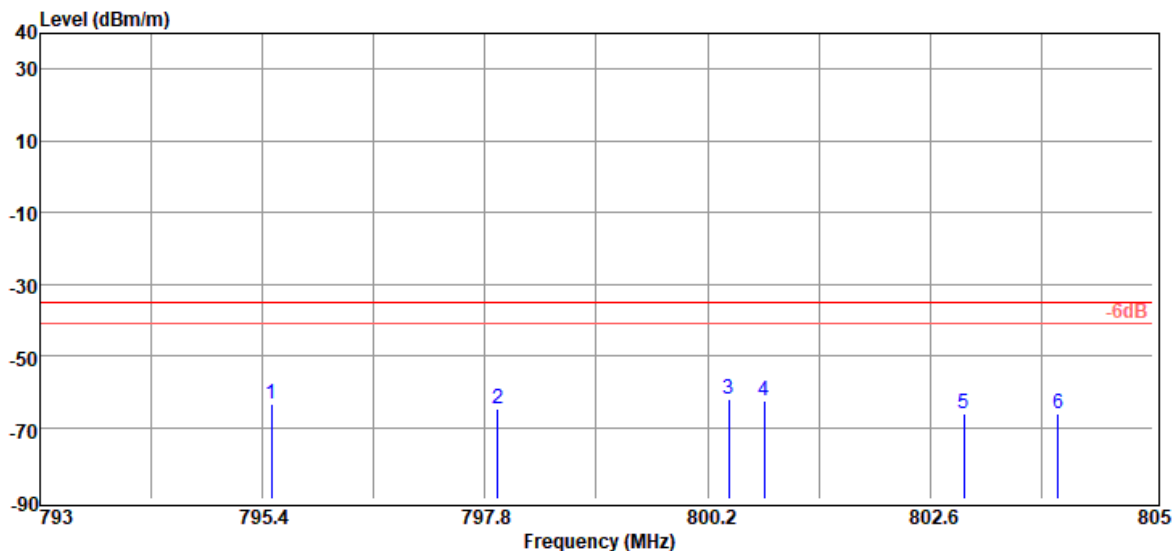
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B13 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :779.5 MHz

Test Date :2019-12-11
Temp./Humi. :25.2/56
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
795.50	-63.64	-57.51	-1.72	-4.41	-35.00	-28.64
797.93	-64.78	-58.83	-1.64	-4.31	-35.00	-29.78
800.43	-61.98	-56.19	-1.57	-4.22	-35.00	-26.98
800.81	-62.44	-56.65	-1.57	-4.22	-35.00	-27.44
802.96	-66.08	-60.32	-1.54	-4.22	-35.00	-31.08
803.98	-66.16	-60.41	-1.53	-4.22	-35.00	-31.16

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

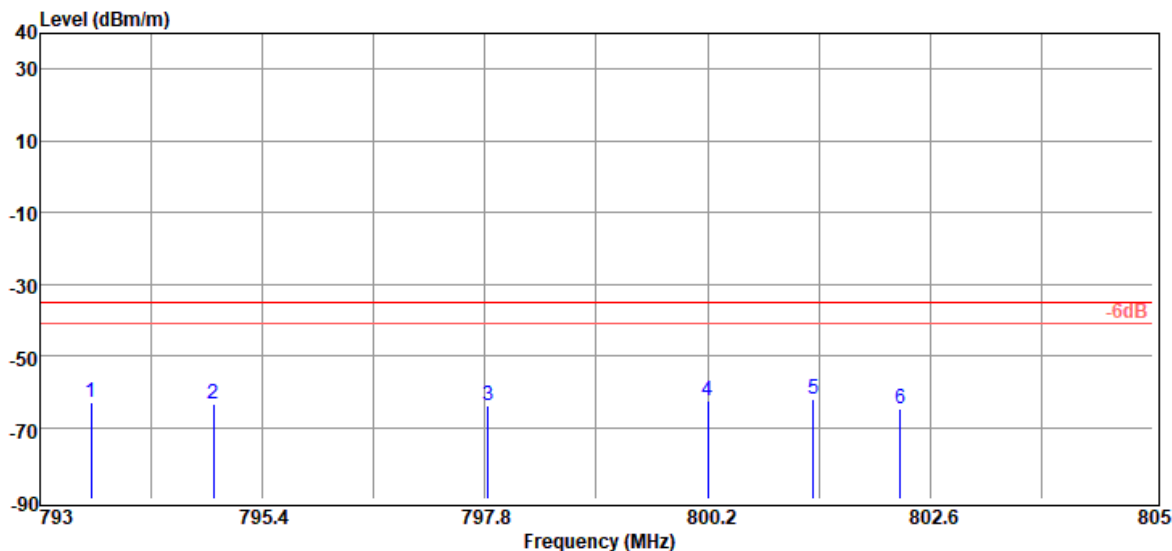
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B13 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :779.5 MHz

Test Date :2019-12-11
Temp./Humi. :25.2/56
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
793.55	-62.99	-56.78	-1.72	-4.49	-35.00	-27.99
794.87	-63.64	-57.47	-1.73	-4.44	-35.00	-28.64
797.84	-63.93	-57.98	-1.64	-4.31	-35.00	-28.93
800.20	-62.54	-56.74	-1.58	-4.22	-35.00	-27.54
801.34	-62.29	-56.51	-1.56	-4.22	-35.00	-27.29
802.28	-64.90	-59.13	-1.55	-4.22	-35.00	-29.90

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

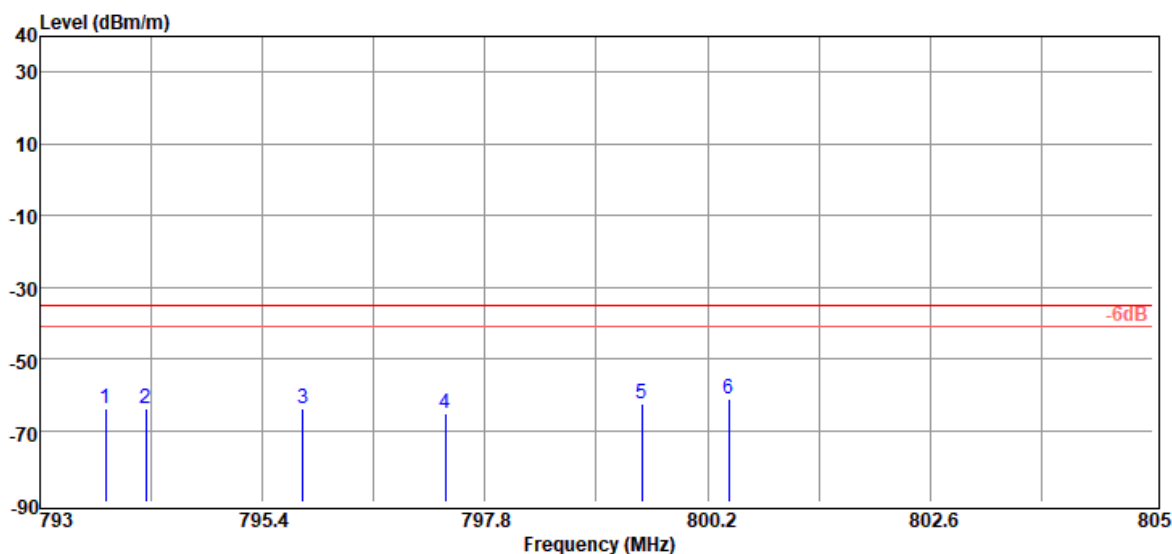
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B13 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :779.5 MHz

Test Date :2019-12-11
Temp./Humi. :25.2/56
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
793.71	-63.77	-57.57	-1.72	-4.48	-35.00	-28.77
794.14	-63.85	-57.66	-1.72	-4.47	-35.00	-28.85
795.83	-63.83	-57.72	-1.71	-4.40	-35.00	-28.83
797.37	-65.05	-59.06	-1.66	-4.33	-35.00	-30.05
799.49	-62.56	-56.72	-1.60	-4.24	-35.00	-27.56
800.43	-61.41	-55.62	-1.57	-4.22	-35.00	-26.41

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

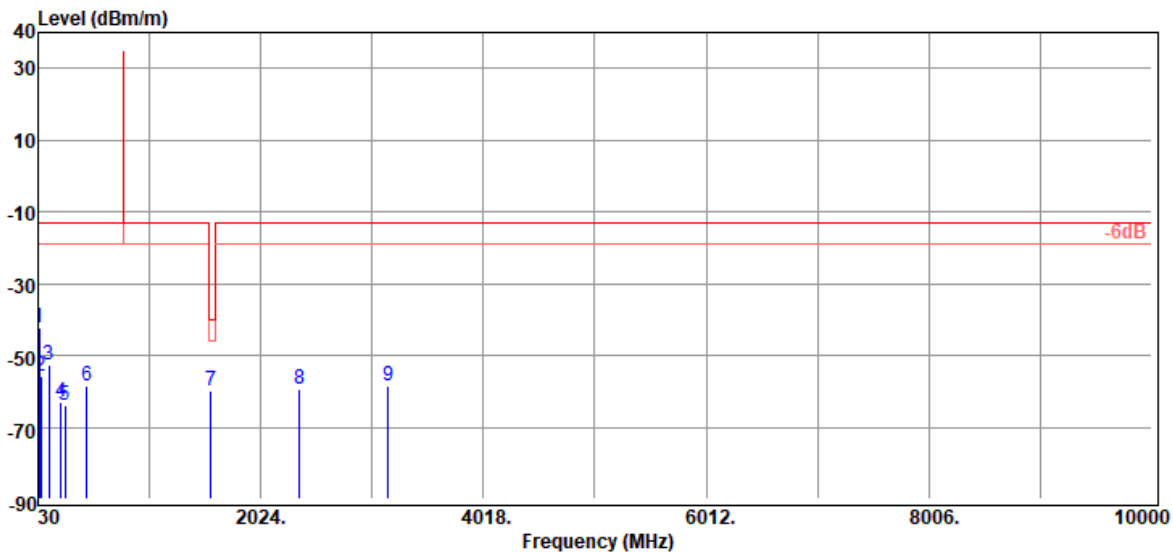
www.tw.sgs.com

Member of SGS Group

Cat M1 Band 14

Report Number :E2/2019/B0010
Operation Mode :M1 B14 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :790.5 MHz

Test Date :2019-12-11
Temp./Humi. :24.5/47
Antenna Pol. :VERTICAL
Engineer :Ashton



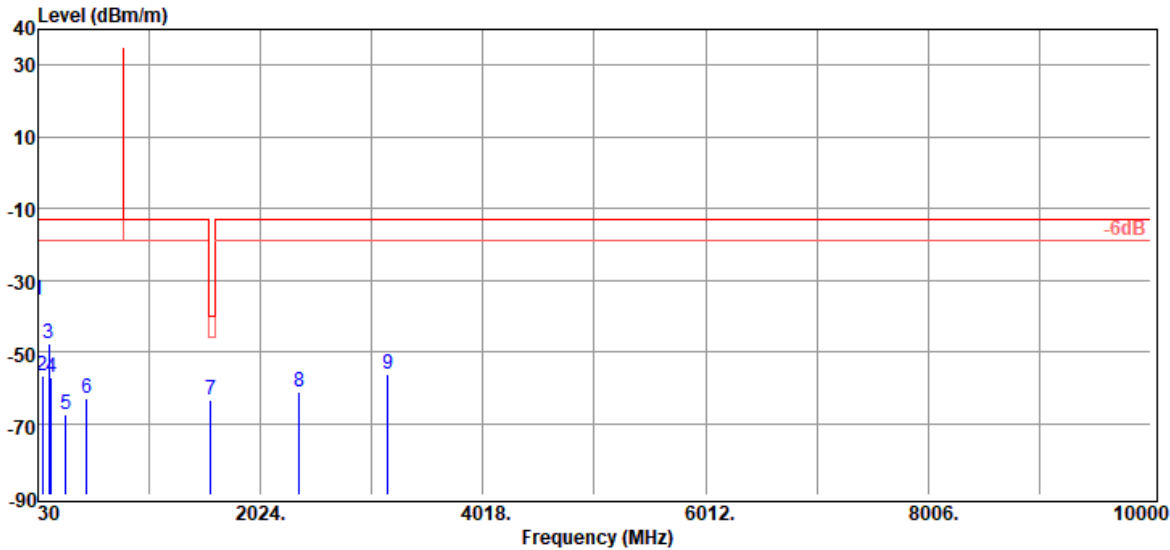
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
37.76	-42.09	-21.94	-19.35	-0.80	-13.00	-29.09
54.25	-55.69	-38.04	-16.73	-0.92	-13.00	-42.69
125.06	-52.82	-44.16	-7.10	-1.56	-13.00	-39.82
238.55	-63.19	-59.16	-1.81	-2.22	-13.00	-50.19
273.47	-64.01	-60.05	-1.64	-2.32	-13.00	-51.01
463.59	-58.60	-54.01	-1.29	-3.30	-13.00	-45.60
1581.00	-59.68	-61.48	8.91	-7.11	-40.00	-19.68
2371.50	-59.48	-60.64	10.03	-8.87	-13.00	-46.48
3162.00	-58.43	-58.94	11.40	-10.89	-13.00	-45.43

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

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

Report Number :E2/2019/B0010
Operation Mode :M1 B14 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :790.5 MHz

Test Date :2019-12-11
Temp./Humi. :24.5/47
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-35.69	-15.48	-19.43	-0.78	-13.00	-22.69
70.74	-56.88	-44.15	-11.72	-1.01	-13.00	-43.88
127.00	-47.62	-38.86	-7.16	-1.60	-13.00	-34.62
148.34	-57.15	-47.96	-7.51	-1.68	-13.00	-44.15
278.32	-67.67	-63.60	-1.68	-2.39	-13.00	-54.67
467.47	-63.09	-58.62	-1.29	-3.18	-13.00	-50.09
1581.00	-63.46	-65.26	8.91	-7.11	-40.00	-23.46
2371.50	-61.23	-62.39	10.03	-8.87	-13.00	-48.23
3162.00	-56.30	-56.81	11.40	-10.89	-13.00	-43.30

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

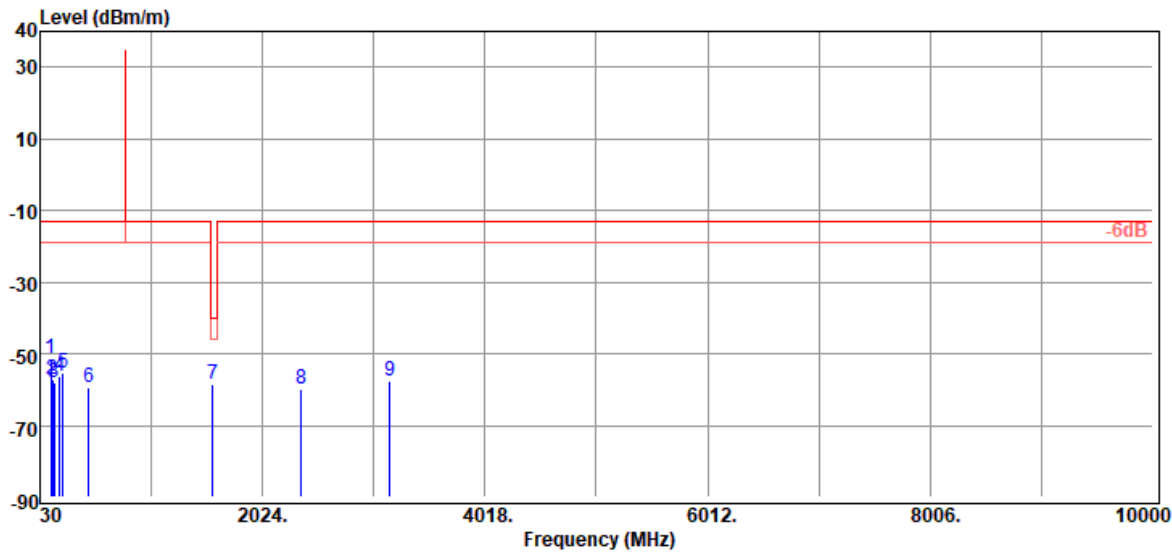
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B14 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :790.5 MHz

Test Date :2019-12-11
Temp./Humi. :24.5/47
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
127.97	-51.44	-42.62	-7.20	-1.62	-13.00	-38.44
144.46	-57.06	-47.75	-7.64	-1.67	-13.00	-44.06
157.07	-58.19	-49.49	-7.02	-1.68	-13.00	-45.19
208.48	-56.44	-52.67	-1.69	-2.08	-13.00	-43.44
236.61	-55.55	-51.57	-1.76	-2.22	-13.00	-42.55
466.50	-59.24	-54.74	-1.29	-3.21	-13.00	-46.24
1581.00	-58.47	-60.27	8.91	-7.11	-40.00	-18.47
2371.50	-59.80	-60.96	10.03	-8.87	-13.00	-46.80
3162.00	-57.46	-57.97	11.40	-10.89	-13.00	-44.46

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

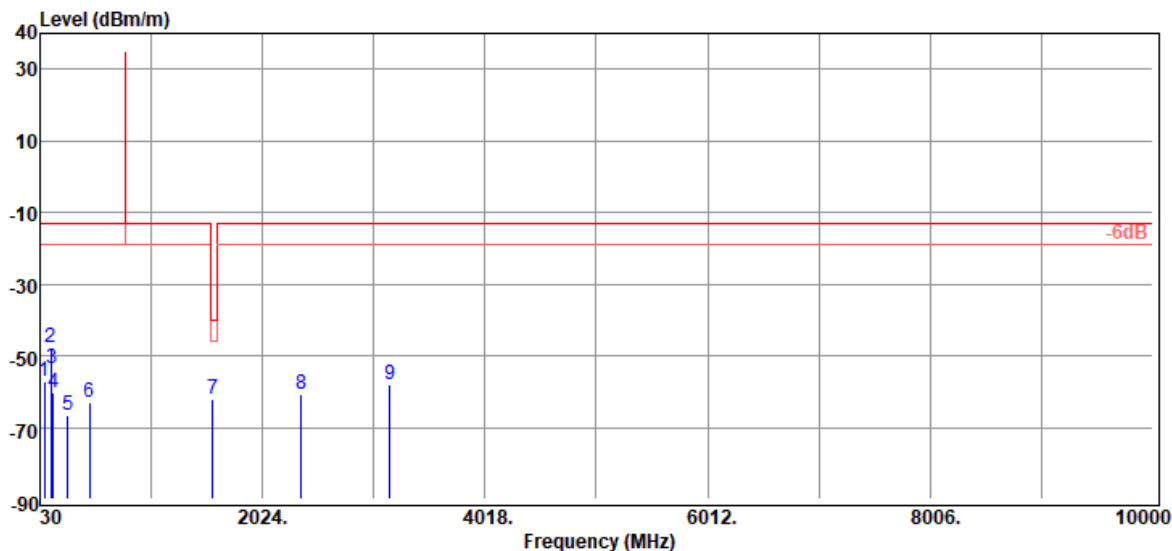
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B14 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :790.5 MHz

Test Date :2019-12-11
Temp./Humi. :24.5/47
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
70.74	-57.03	-44.30	-11.72	-1.01	-13.00	-44.03
127.00	-47.92	-39.16	-7.16	-1.60	-13.00	-34.92
137.67	-53.58	-44.29	-7.63	-1.66	-13.00	-40.58
149.31	-60.28	-51.14	-7.46	-1.68	-13.00	-47.28
277.35	-66.74	-62.70	-1.67	-2.37	-13.00	-53.74
470.38	-63.18	-58.77	-1.30	-3.11	-13.00	-50.18
1581.00	-62.08	-63.88	8.91	-7.11	-40.00	-22.08
2371.50	-60.95	-62.11	10.03	-8.87	-13.00	-47.95
3162.00	-58.26	-58.77	11.40	-10.89	-13.00	-45.26

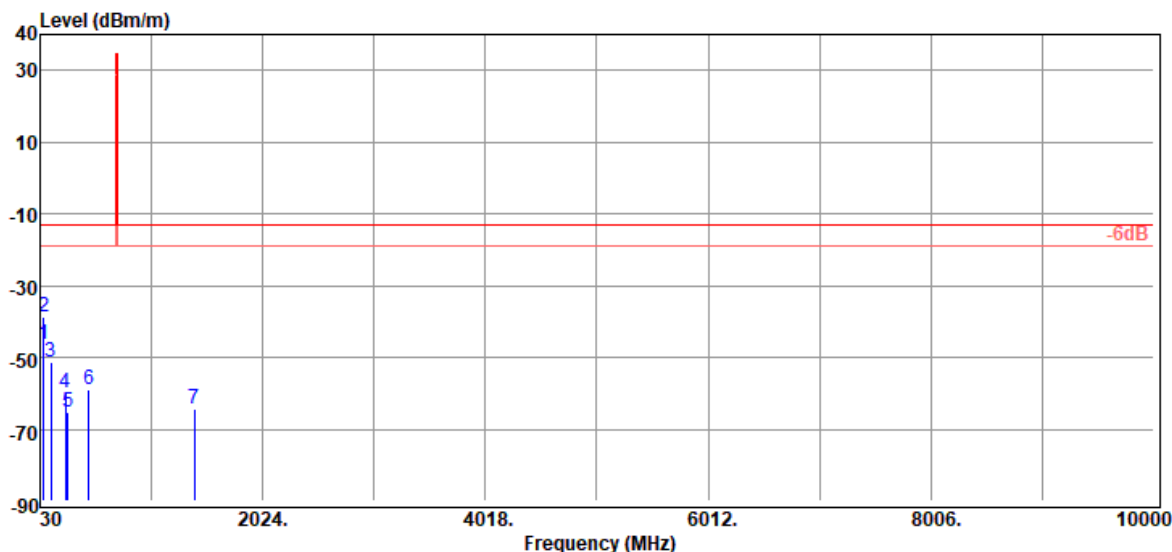
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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

Cat M1 Band 17

Report Number :E2/2019/B0010
 Operation Mode :M1 B17 QPSK
 Test Mode :TX CH MID
 EUT Pol :E2 Plane
 Test Channel :706.5 MHz

Test Date :2019-12-11
 Temp./Humi. :24.5/46
 Antenna Pol. :VERTICAL
 Engineer :Ashton



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
59.10	-46.45	-29.96	-15.50	-0.99	-13.00	-33.45
65.89	-38.92	-24.62	-13.30	-1.00	-13.00	-25.92
126.03	-51.13	-42.42	-7.13	-1.58	-13.00	-38.13
256.98	-59.89	-56.11	-1.52	-2.26	-13.00	-46.89
280.26	-65.10	-60.99	-1.70	-2.41	-13.00	-52.10
465.53	-59.16	-54.63	-1.29	-3.24	-13.00	-46.16
1413.00	-64.51	-65.07	7.10	-6.54	-13.00	-51.51

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

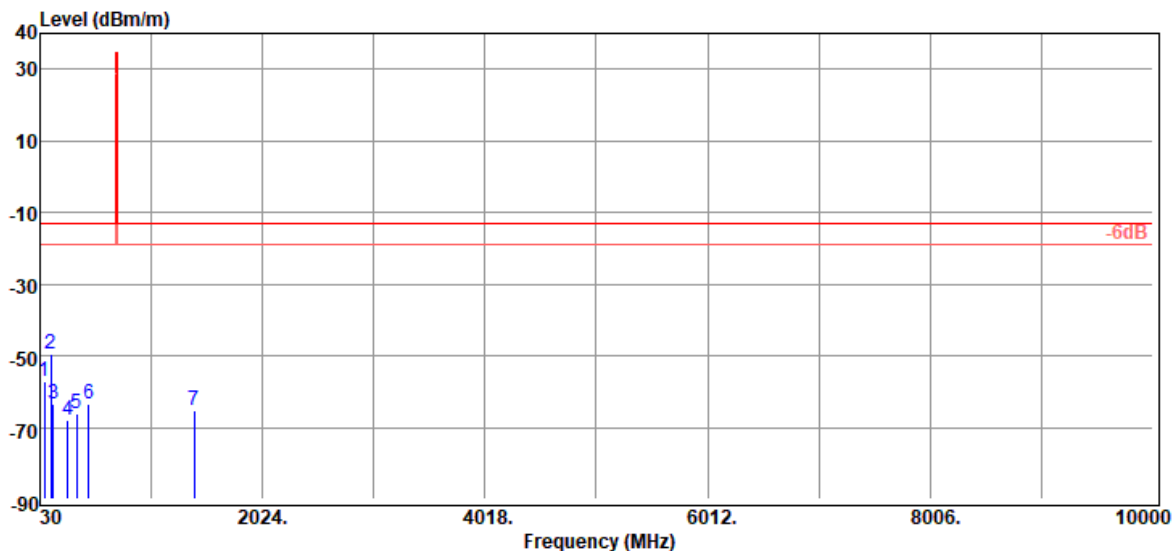
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B17 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :706.5 MHz

Test Date :2019-12-11
Temp./Humi. :24.5/46
Antenna Pol. :HORIZONTAL
Engineer :Ashton



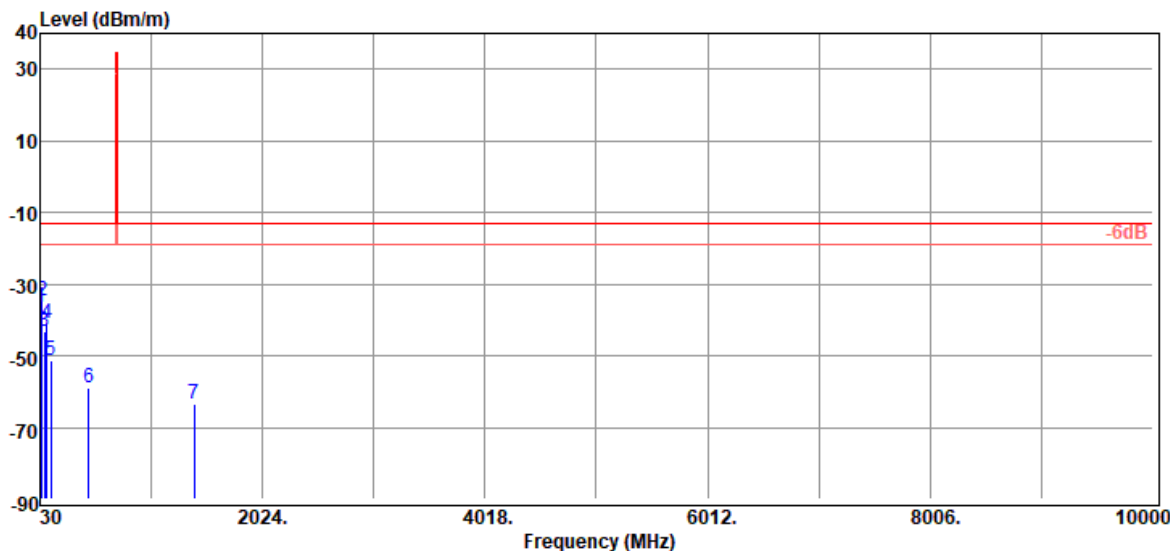
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
68.80	-57.31	-43.86	-12.45	-1.00	-13.00	-44.31
127.97	-49.56	-40.74	-7.20	-1.62	-13.00	-36.56
150.28	-63.62	-54.54	-7.40	-1.68	-13.00	-50.62
279.29	-67.89	-63.80	-1.69	-2.40	-13.00	-54.89
358.83	-66.29	-62.32	-1.39	-2.58	-13.00	-53.29
466.50	-63.60	-59.10	-1.29	-3.21	-13.00	-50.60
1413.00	-65.33	-65.89	7.10	-6.54	-13.00	-52.33

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

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

Report Number :E2/2019/B0010
Operation Mode :M1 B17 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :706.5 MHz

Test Date :2019-12-11
Temp./Humi. :24.5/46
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
33.88	-36.63	-16.08	-19.84	-0.71	-13.00	-23.63
47.46	-34.71	-15.78	-18.07	-0.86	-13.00	-21.71
67.83	-43.07	-29.24	-12.83	-1.00	-13.00	-30.07
94.02	-41.13	-34.12	-5.78	-1.23	-13.00	-28.13
127.00	-51.19	-42.43	-7.16	-1.60	-13.00	-38.19
463.59	-58.95	-54.36	-1.29	-3.30	-13.00	-45.95
1413.00	-63.42	-63.98	7.10	-6.54	-13.00	-50.42

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

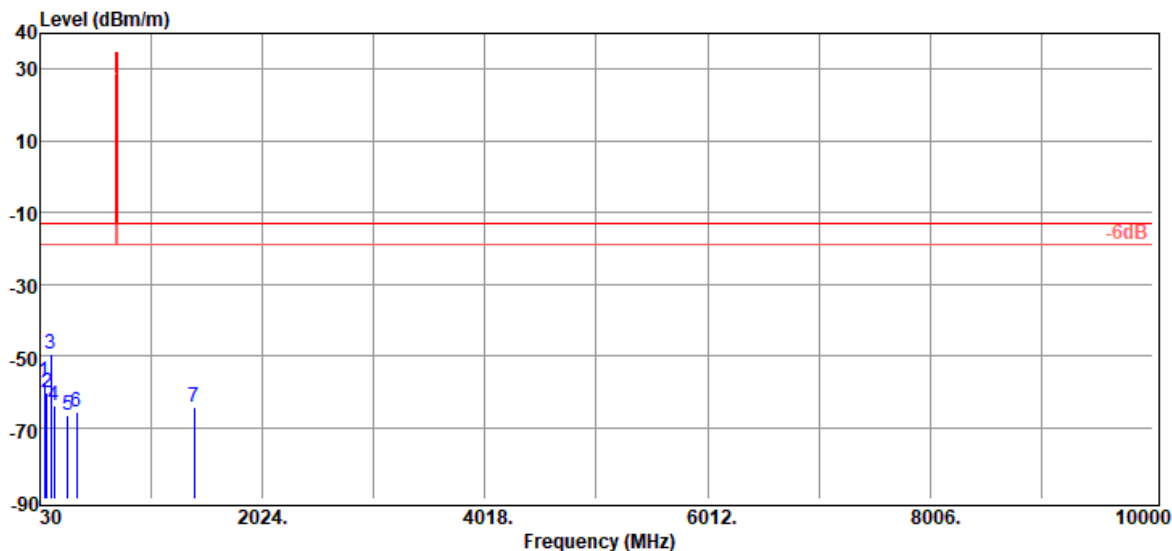
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B17 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :706.5 MHz

Test Date :2019-12-11
Temp./Humi. :24.5/46
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
68.80	-57.09	-43.64	-12.45	-1.00	-13.00	-44.09
93.05	-60.31	-53.33	-5.77	-1.21	-13.00	-47.31
127.00	-49.29	-40.53	-7.16	-1.60	-13.00	-36.29
153.19	-63.79	-54.87	-7.24	-1.68	-13.00	-50.79
281.23	-66.79	-62.68	-1.69	-2.42	-13.00	-53.79
355.92	-65.82	-61.89	-1.35	-2.58	-13.00	-52.82
1413.00	-64.33	-64.89	7.10	-6.54	-13.00	-51.33

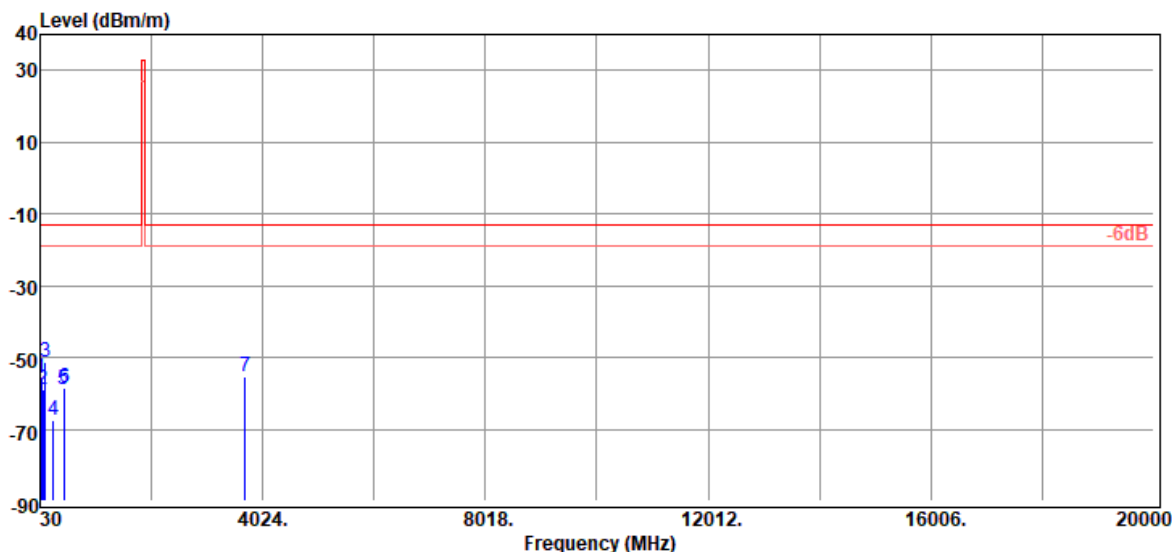
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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

Cat M1 Band 25

Report Number :E2/2019/B0010
Operation Mode :M1 B25 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :1850.7 MHz

Test Date :2019-12-11
Temp./Humi. :24.1/49
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.25	-55.80	-38.15	-16.73	-0.92	-13.00	-42.80
74.62	-58.76	-47.53	-10.16	-1.07	-13.00	-45.76
127.97	-51.19	-42.37	-7.20	-1.62	-13.00	-38.19
264.74	-67.65	-63.80	-1.58	-2.27	-13.00	-54.65
461.65	-59.14	-54.51	-1.28	-3.35	-13.00	-46.14
468.44	-58.46	-54.00	-1.30	-3.16	-13.00	-45.46
3701.40	-55.27	-56.25	12.30	-11.32	-13.00	-42.27

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

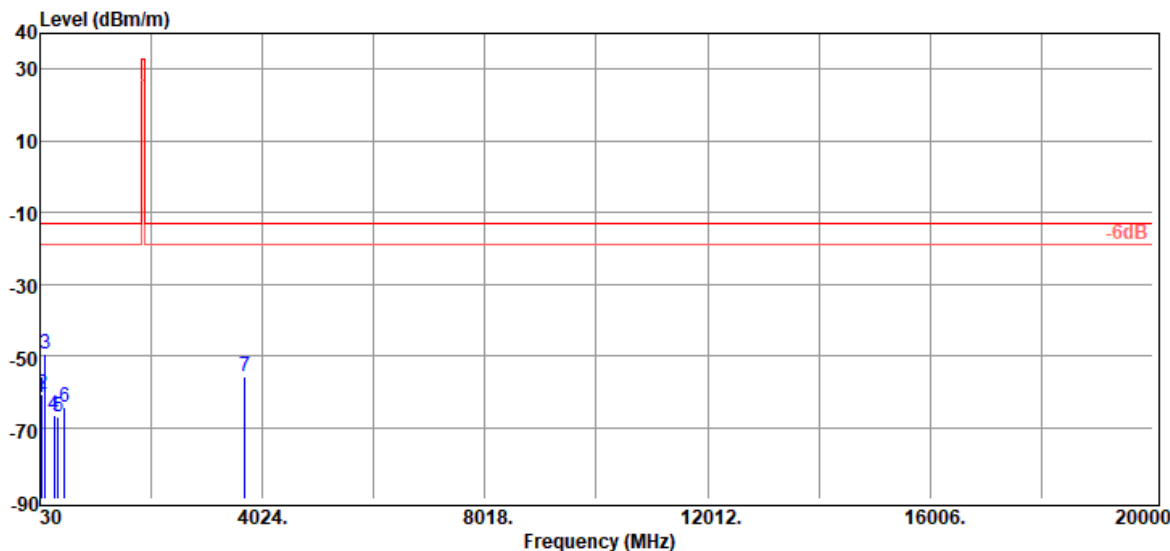
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B25 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :1850.7 MHz

Test Date :2019-12-11
Temp./Humi. :24.1/49
Antenna Pol. :HORIZONTAL
Engineer :Ashton



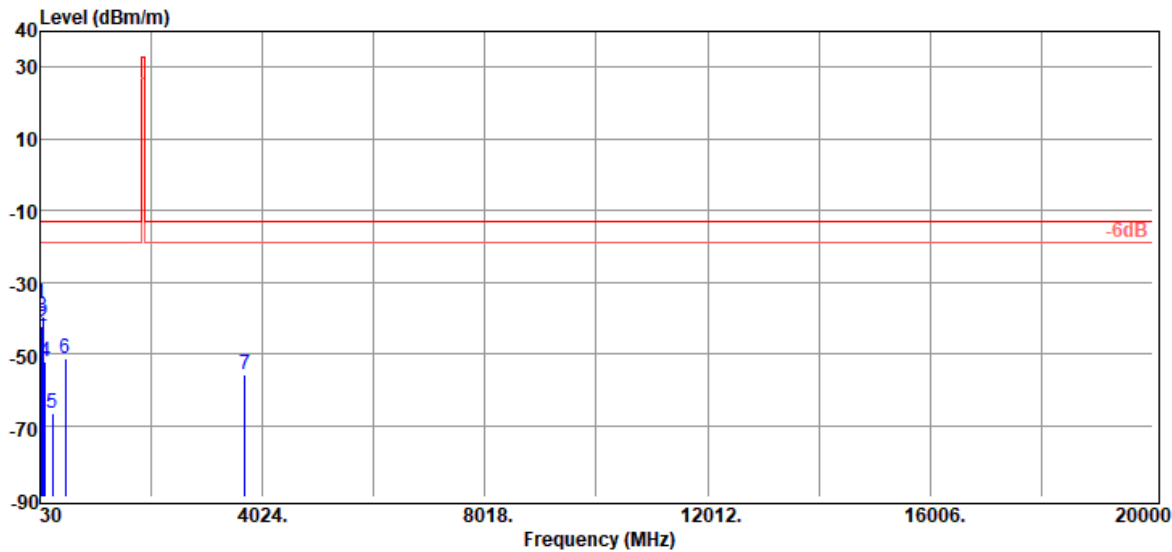
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.94	-61.46	-40.44	-20.36	-0.66	-13.00	-48.46
68.80	-60.55	-47.10	-12.45	-1.00	-13.00	-47.55
125.06	-49.47	-40.81	-7.10	-1.56	-13.00	-36.47
279.29	-66.71	-62.62	-1.69	-2.40	-13.00	-53.71
358.83	-67.14	-63.17	-1.39	-2.58	-13.00	-54.14
470.38	-64.17	-59.76	-1.30	-3.11	-13.00	-51.17
3701.40	-55.79	-56.77	12.30	-11.32	-13.00	-42.79

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.

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

Report Number :E2/2019/B0010
Operation Mode :M1 B25 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :1850.7 MHz

Test Date :2019-12-11
Temp./Humi. :24.1/49
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
38.73	-35.96	-15.88	-19.25	-0.83	-13.00	-22.96
64.92	-42.54	-27.83	-13.71	-1.00	-13.00	-29.54
73.65	-39.42	-27.86	-10.50	-1.06	-13.00	-26.42
127.00	-52.08	-43.32	-7.16	-1.60	-13.00	-39.08
260.86	-66.62	-62.80	-1.55	-2.27	-13.00	-53.62
479.11	-51.47	-47.12	-1.24	-3.11	-13.00	-38.47
3701.40	-55.67	-56.65	12.30	-11.32	-13.00	-42.67

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

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

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

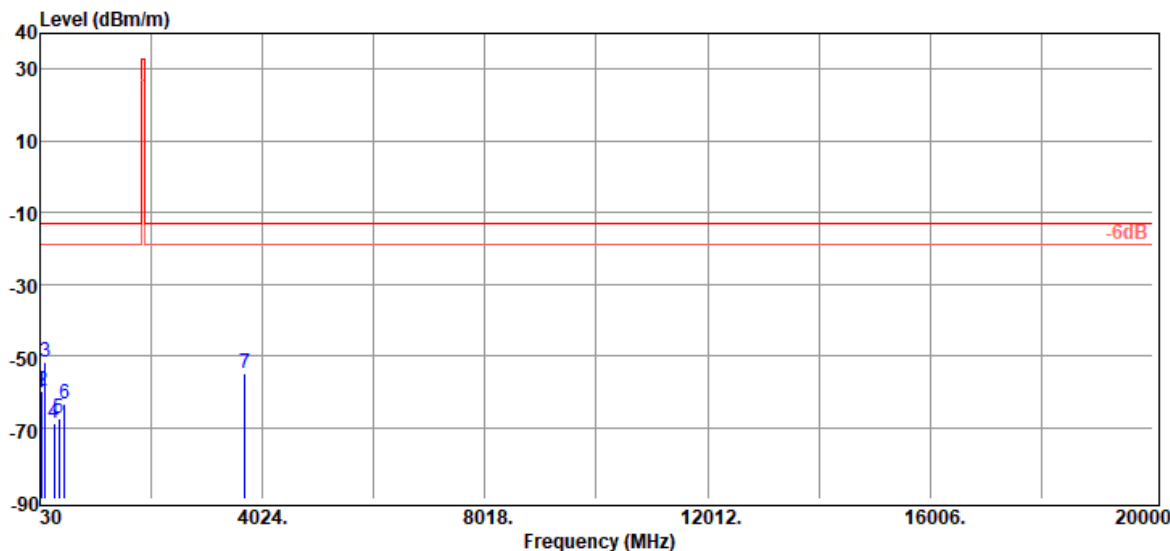
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B25 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :1850.7 MHz

Test Date :2019-12-11
Temp./Humi. :24.1/49
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
55.22	-60.41	-43.00	-16.48	-0.93	-13.00	-47.41
69.77	-60.03	-46.92	-12.11	-1.00	-13.00	-47.03
127.00	-51.72	-42.96	-7.16	-1.60	-13.00	-38.72
280.26	-68.99	-64.88	-1.70	-2.41	-13.00	-55.99
366.59	-67.51	-63.22	-1.49	-2.80	-13.00	-54.51
466.50	-63.27	-58.77	-1.29	-3.21	-13.00	-50.27
3701.40	-55.00	-55.98	12.30	-11.32	-13.00	-42.00

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

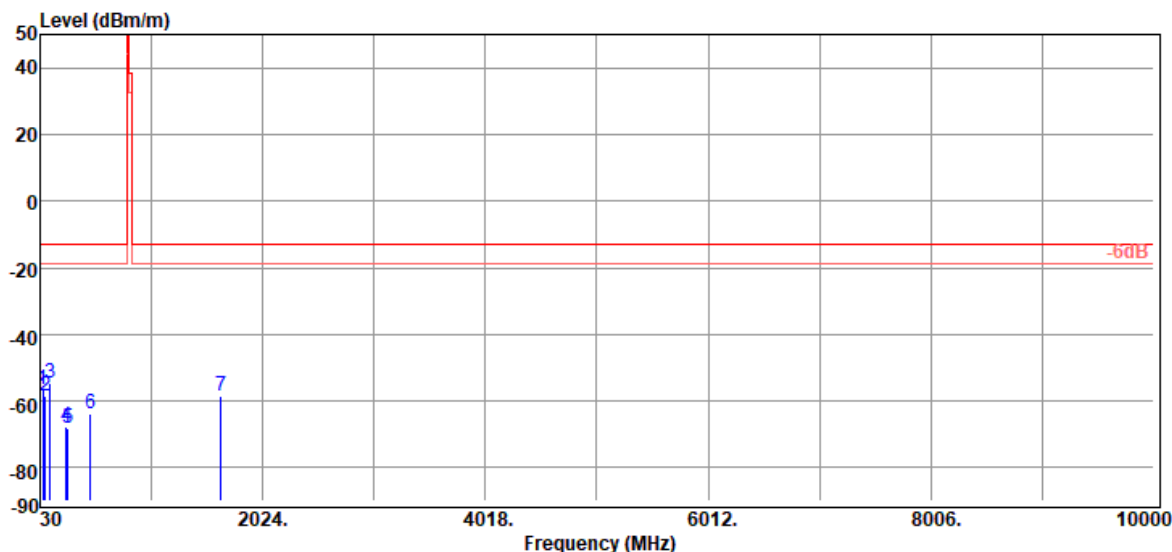
www.tw.sgs.com

Member of SGS Group

Cat M1 Band 26

Report Number :E2/2019/B0010
Operation Mode :M1 B26 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :824.7 MHz

Test Date :2019-12-11
Temp./Humi. :24.1/49
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.25	-56.76	-39.11	-16.73	-0.92	-13.00	-43.76
74.62	-58.48	-47.25	-10.16	-1.07	-13.00	-45.48
123.12	-54.49	-45.93	-7.04	-1.52	-13.00	-41.49
261.83	-67.55	-63.73	-1.55	-2.27	-13.00	-54.55
278.32	-68.15	-64.08	-1.68	-2.39	-13.00	-55.15
479.11	-63.72	-59.37	-1.24	-3.11	-13.00	-50.72
1649.40	-58.33	-60.10	9.30	-7.53	-13.00	-45.33

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

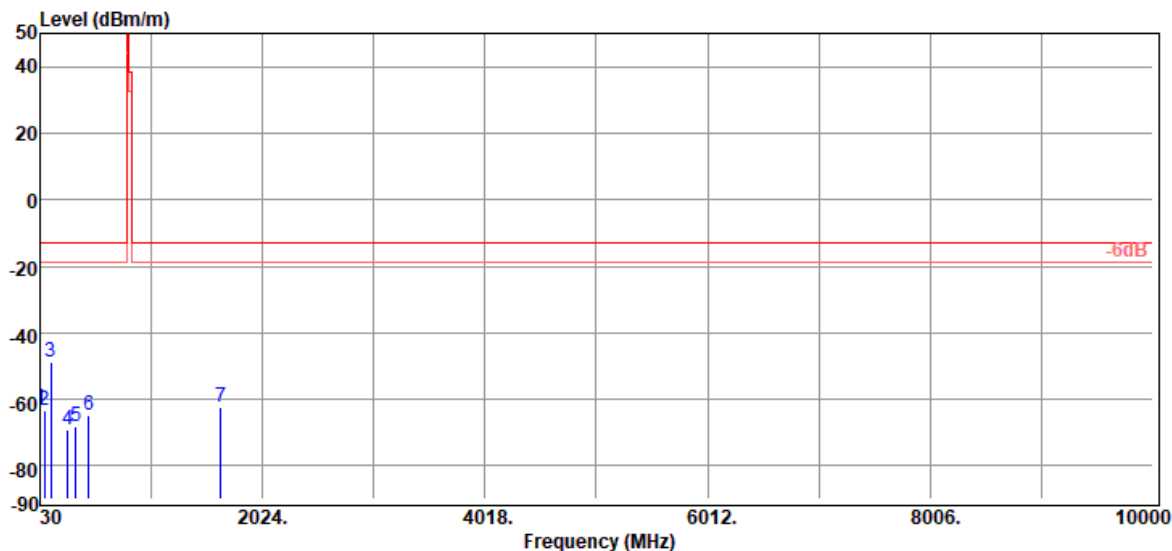
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B26 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :824.7 MHz

Test Date :2019-12-11
Temp./Humi. :24.1/49
Antenna Pol. :HORIZONTAL
Engineer :Ashton



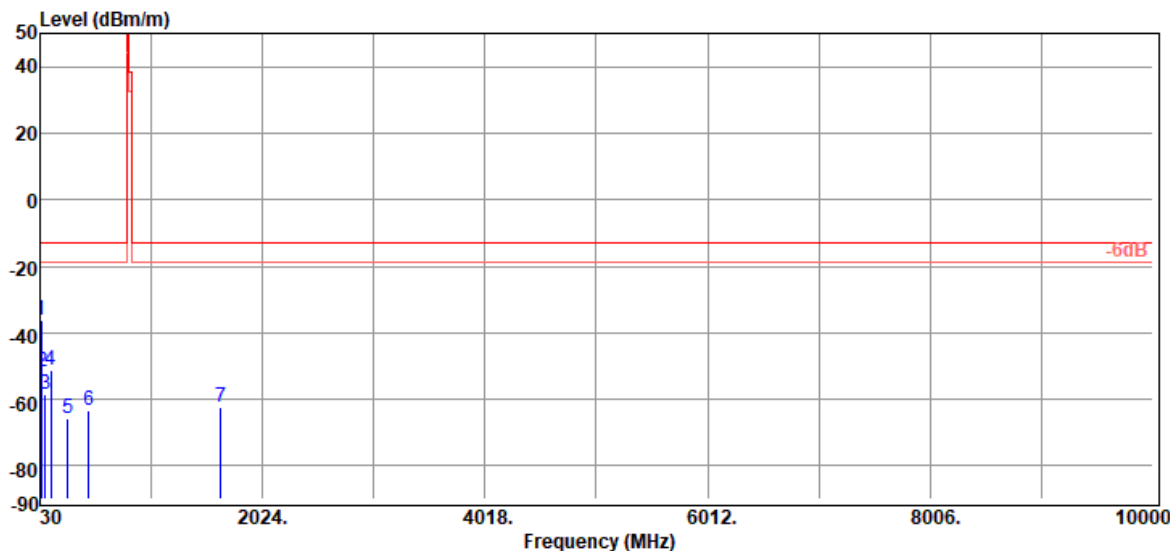
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.97	-62.69	-41.44	-20.62	-0.63	-13.00	-49.69
70.74	-63.58	-50.85	-11.72	-1.01	-13.00	-50.58
128.94	-48.78	-39.91	-7.23	-1.64	-13.00	-35.78
280.26	-69.05	-64.94	-1.70	-2.41	-13.00	-56.05
353.98	-68.35	-64.43	-1.34	-2.58	-13.00	-55.35
463.59	-64.69	-60.10	-1.29	-3.30	-13.00	-51.69
1649.40	-62.41	-64.18	9.30	-7.53	-13.00	-49.41

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

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

Report Number :E2/2019/B0010
Operation Mode :M1 B26 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :824.7 MHz

Test Date :2019-12-11
Temp./Humi. :24.1/49
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
39.70	-36.42	-16.43	-19.14	-0.85	-13.00	-23.42
47.46	-51.78	-32.85	-18.07	-0.86	-13.00	-38.78
73.65	-58.49	-46.93	-10.50	-1.06	-13.00	-45.49
127.00	-51.05	-42.29	-7.16	-1.60	-13.00	-38.05
280.26	-65.56	-61.45	-1.70	-2.41	-13.00	-52.56
469.41	-63.28	-58.85	-1.30	-3.13	-13.00	-50.28
1649.40	-62.52	-64.29	9.30	-7.53	-13.00	-49.52

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

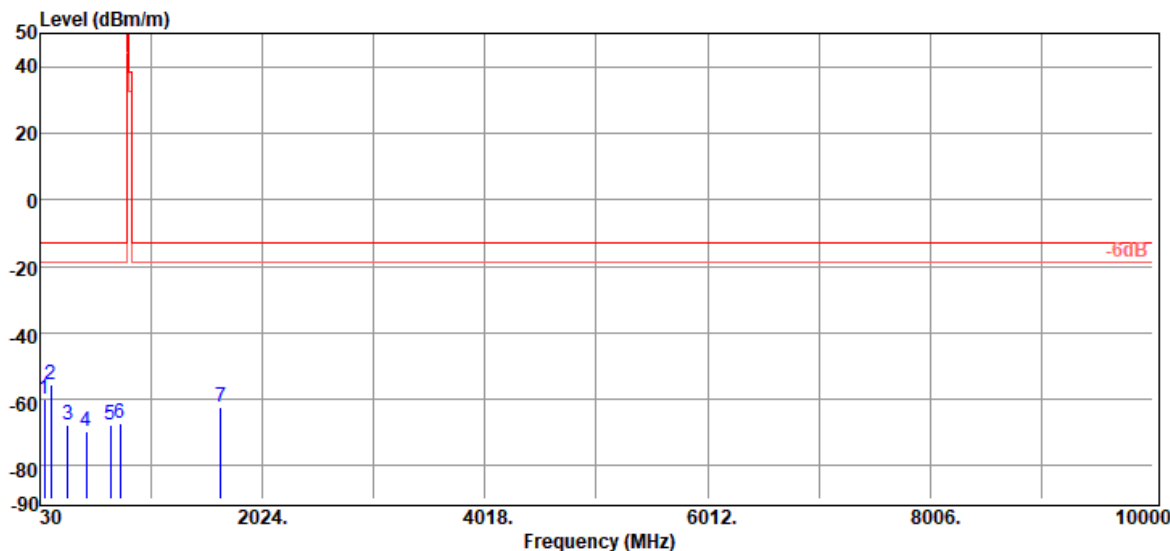
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 B26 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plane
Test Channel :824.7 MHz

Test Date :2019-12-11
Temp./Humi. :24.1/49
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
68.80	-60.14	-46.69	-12.45	-1.00	-13.00	-47.14
126.03	-55.74	-47.03	-7.13	-1.58	-13.00	-42.74
278.32	-67.73	-63.66	-1.68	-2.39	-13.00	-54.73
448.07	-69.76	-65.40	-1.44	-2.92	-13.00	-56.76
660.50	-67.88	-62.84	-1.24	-3.80	-13.00	-54.88
749.74	-67.41	-61.58	-1.64	-4.19	-13.00	-54.41
1649.40	-62.22	-63.99	9.30	-7.53	-13.00	-49.22

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

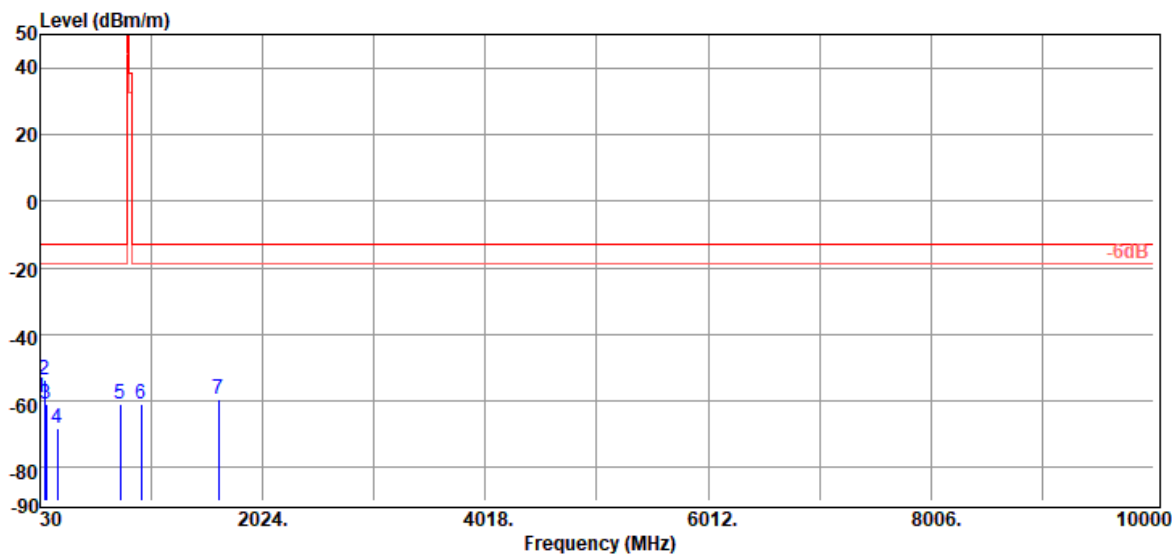
www.tw.sgs.com

Member of SGS Group

Cat M1 Band 26 Part 90

Report Number :E2/2019/B0010
Operation Mode :M1 Part 90 B26 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :814.7 MHz

Test Date :2019-12-26
Temp./Humi. :21.2/70
Antenna Pol. :VERTICAL
Engineer :Ashton



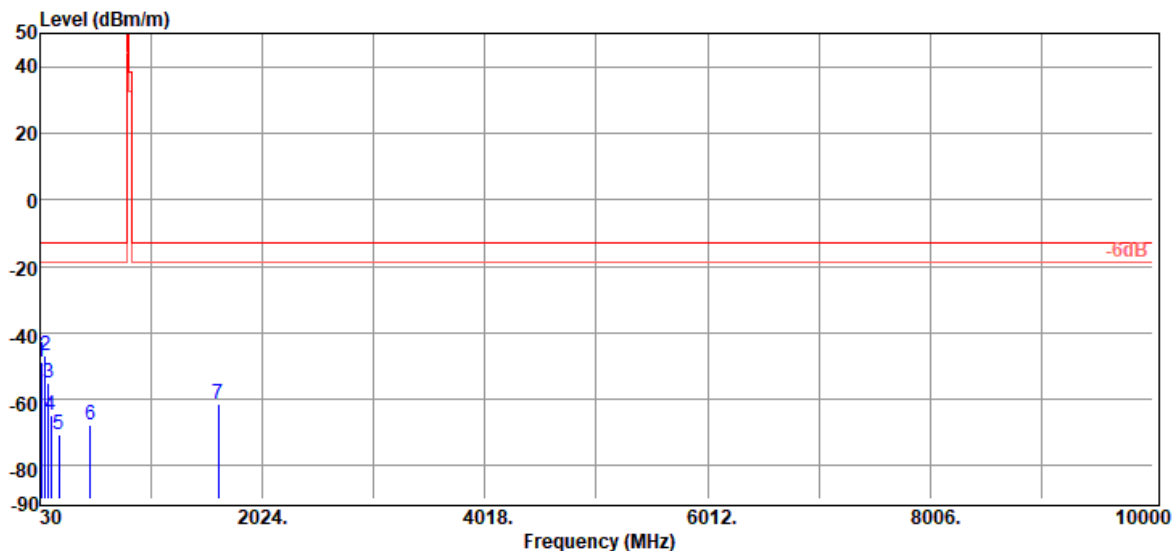
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
34.85	-58.81	-38.31	-19.77	-0.73	-13.00	-45.81
72.68	-53.53	-41.55	-10.94	-1.04	-13.00	-40.53
84.32	-61.01	-52.66	-7.19	-1.16	-13.00	-48.01
184.23	-68.43	-62.93	-3.71	-1.79	-13.00	-55.43
747.80	-61.14	-55.33	-1.62	-4.19	-13.00	-48.14
936.95	-60.98	-54.45	-1.70	-4.83	-13.00	-47.98
1629.40	-59.71	-61.53	9.22	-7.40	-13.00	-46.71

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

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

Report Number :E2/2019/B0010
Operation Mode :M1 Part 90 B26 QPSK
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :814.7 MHz

Test Date :2019-12-26
Temp./Humi. :21.2/70
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
38.73	-48.83	-28.75	-19.25	-0.83	-13.00	-35.83
74.62	-47.07	-35.84	-10.16	-1.07	-13.00	-34.07
106.63	-54.98	-46.66	-6.91	-1.41	-13.00	-41.98
127.97	-64.76	-55.94	-7.20	-1.62	-13.00	-51.76
201.69	-70.75	-66.62	-2.05	-2.08	-13.00	-57.75
482.99	-67.77	-63.38	-1.17	-3.22	-13.00	-54.77
1629.24	-61.48	-63.30	9.22	-7.40	-13.00	-48.48

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

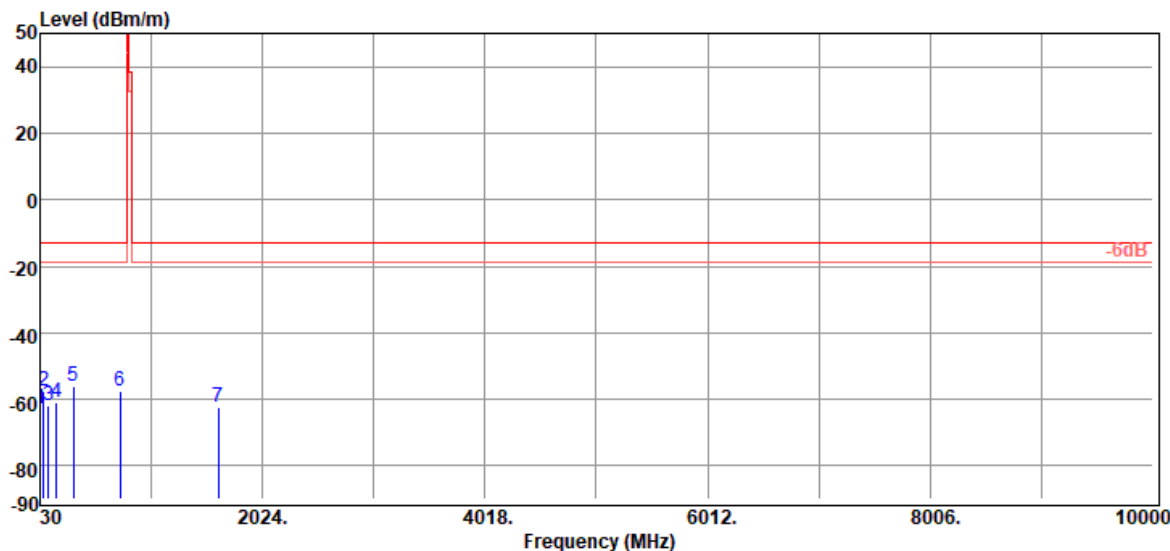
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number :E2/2019/B0010
Operation Mode :M1 Part 90 B26 16QAM
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :814.7 MHz

Test Date :2019-12-26
Temp./Humi. :21.2/70
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.91	-62.98	-42.21	-20.09	-0.68	-13.00	-49.98
65.89	-57.32	-43.02	-13.30	-1.00	-13.00	-44.32
106.63	-62.12	-53.80	-6.91	-1.41	-13.00	-49.12
180.35	-61.14	-55.05	-4.35	-1.74	-13.00	-48.14
330.70	-56.10	-51.87	-1.58	-2.65	-13.00	-43.10
746.83	-57.71	-51.91	-1.61	-4.19	-13.00	-44.71
1629.40	-62.19	-64.01	9.22	-7.40	-13.00	-49.19

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

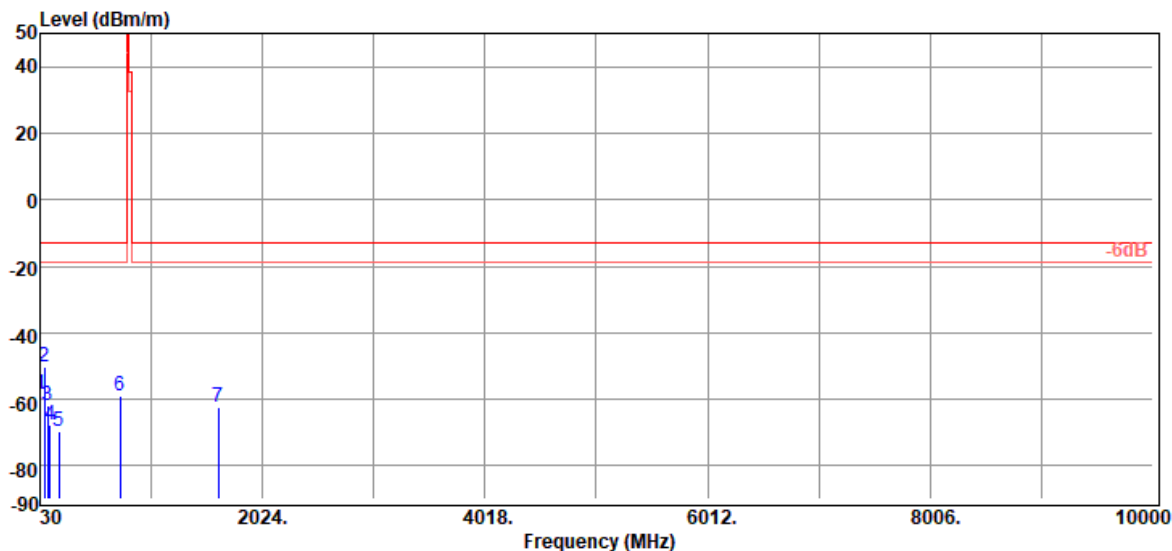
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Report Number	:E2/2019/B0010	Test Date	:2019-12-26
Operation Mode	:M1 Part 90 B26 16QAM	Temp./Humi.	:21.2/70
Test Mode	:TX CH MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Ashton
Test Channel	:814.7 MHz		



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
35.82	-58.45	-38.05	-19.64	-0.76	-13.00	-45.45
70.74	-50.13	-37.40	-11.72	-1.01	-13.00	-37.13
99.84	-61.90	-54.35	-6.22	-1.33	-13.00	-48.90
122.15	-67.51	-59.00	-7.01	-1.50	-13.00	-54.51
202.66	-69.53	-65.45	-2.00	-2.08	-13.00	-56.53
745.86	-59.17	-53.37	-1.61	-4.19	-13.00	-46.17
1629.40	-62.31	-64.13	9.22	-7.40	-13.00	-49.31

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

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

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

SGS Taiwan Ltd.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

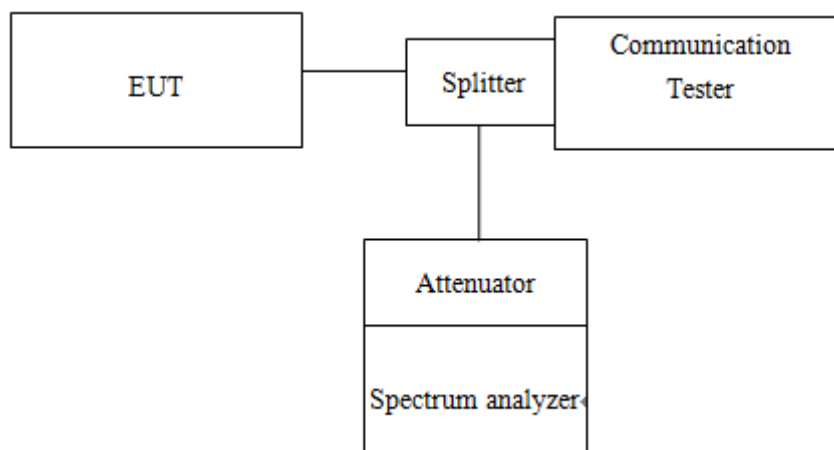
Member of SGS Group

10 PEAK TO AVERAGE RATIO

10.1 Standard Applicable

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

10.2 Test SET-UP



10.3 Measurement Procedure

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

10.4 Measurement Equipment Used

Conducted Emission (measured at antenna port) Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
DC Power Supply	Agilent	E3640A	MY53140006	05/31/2019	05/30/2020
Radio Communication Analyzer	Anritsu	MT8821C	6261786084	01/09/2019	01/09/2020
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	07/15/2019	07/14/2020
Splitter	Marvelous	MVE8586	RF265	11/20/2019	11/19/2020
DC Block	PASTERNAK	PE8210	RF256	11/20/2019	11/19/2020
Attenuator	Marvelous	WATT-218FS-10	RF268	11/20/2019	11/19/2020
Coaxial Cables	Woken	00100A1F1A185C	RF220	11/20/2019	11/19/2020
Coaxial Cables	Woken	00100A1F1A185C	RF229	11/20/2019	11/19/2020

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

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

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

10.5 Measurement Result

10.5.1 Cat M1

M1 BAND 2				M1 BAND 4				M1 BAND 5			
Channel bandwidth: 1.4MHz				Channel bandwidth: 1.4MHz				Channel bandwidth: 1.4MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit			16QAM	Limit
1850.7	18607	5.92	13	1710.7	19957	6.13	13	824.7	20407	5.98	13

M1 BAND 13				M1 BAND 14				M1 BAND 17			
Channel bandwidth: 5MHz				Channel bandwidth: 5MHz				Channel bandwidth: 5MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit			16QAM	Limit
779.5	23205	5.32	13	790.5	23305	4.93	13	706.5	23755	5.57	13
M1 BAND 25				M1 BAND 26				M1 BAND 26 for part 90S			
Channel bandwidth: 1.4MHz				Channel bandwidth: 1.4MHz				Channel bandwidth: 1.4MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit			16QAM	Limit
1850.7	26047	6.09	13	814.7	26697	5.50	13	814.7	26697	10.49	13

Please refer to next page for test plots.

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

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

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

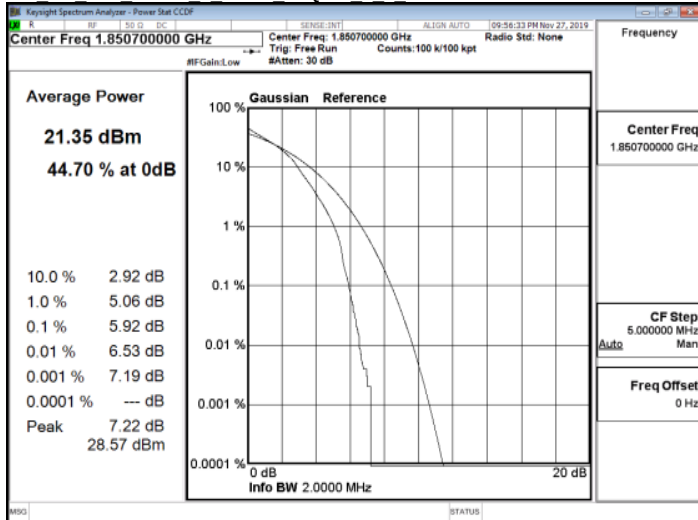
t (886-2) 2299-3279

f (886-2) 2298-0488

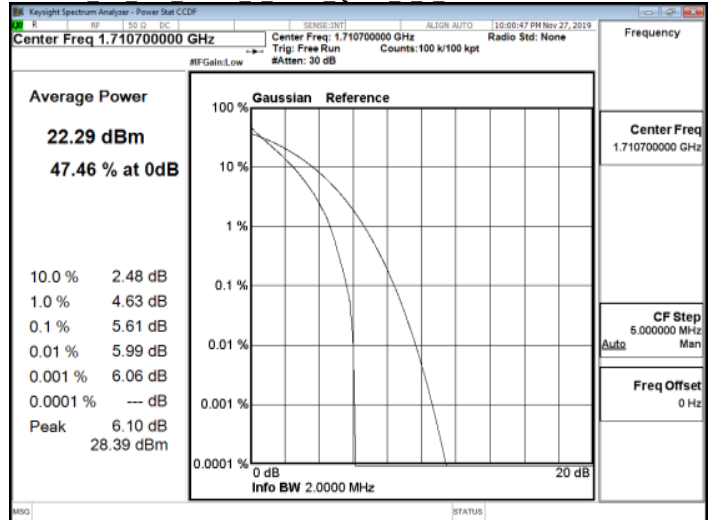
www.tw.sgs.com

Member of SGS Group

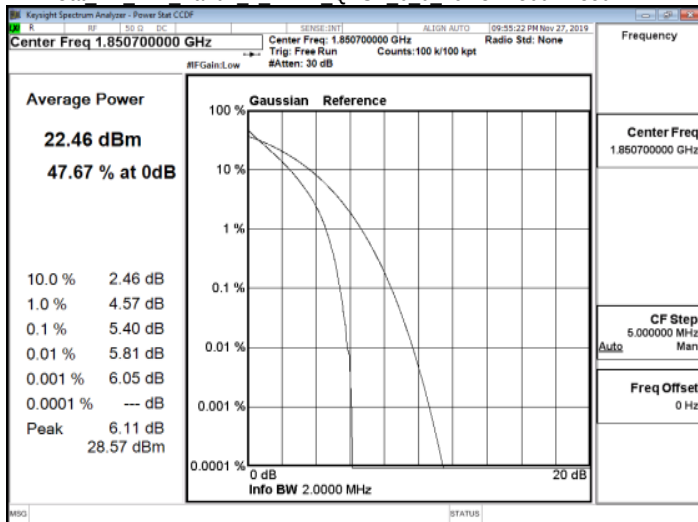
Cat M1 LTE Band2 1 4MHz 16QAM 6 0 LowCH18607-1850.7



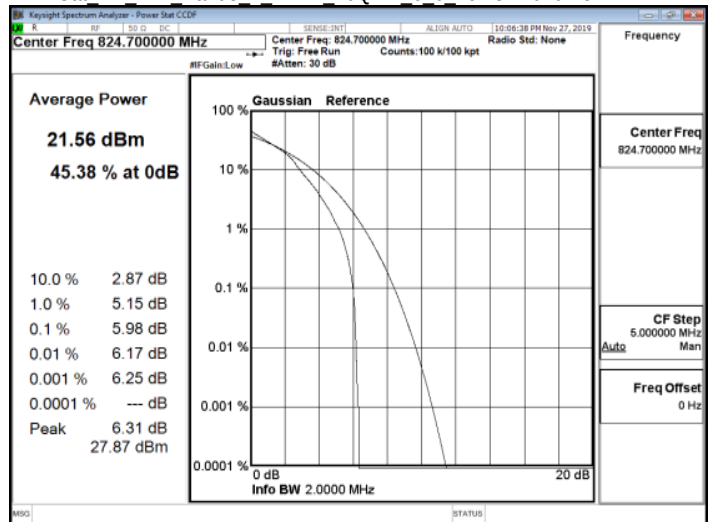
Cat M1 LTE Band4 1 4MHz QPSK 6 0 LowCH19957-1710.7



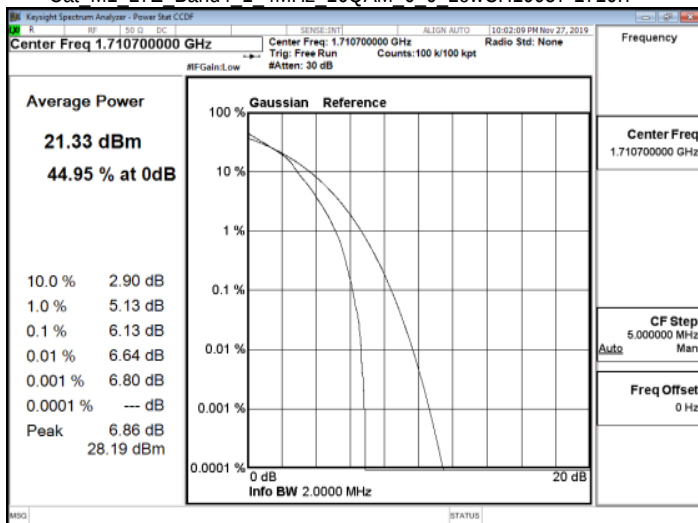
Cat M1 LTE Band2 1 4MHz QPSK 6 0 LowCH18607-1850.7



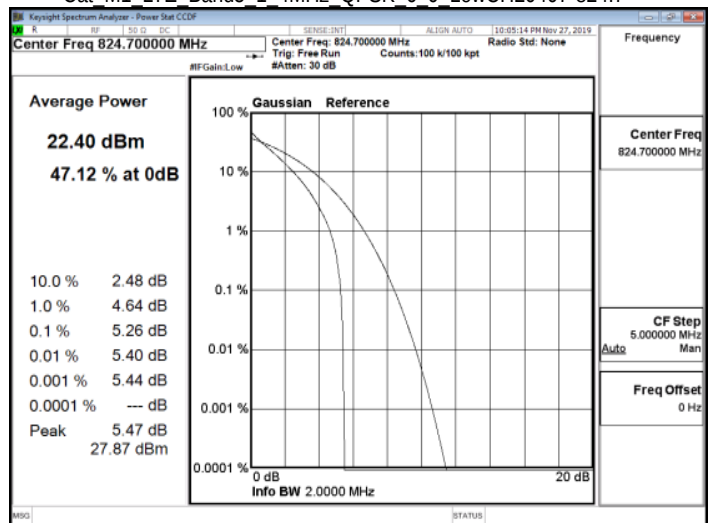
Cat M1 LTE Band5 1 4MHz 16QAM 6 0 LowCH20407-824.7



Cat M1 LTE Band4 1 4MHz 16QAM 6 0 LowCH19957-1710.7



Cat M1 LTE Band5 1 4MHz QPSK 6 0 LowCH20407-824.7



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

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

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

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

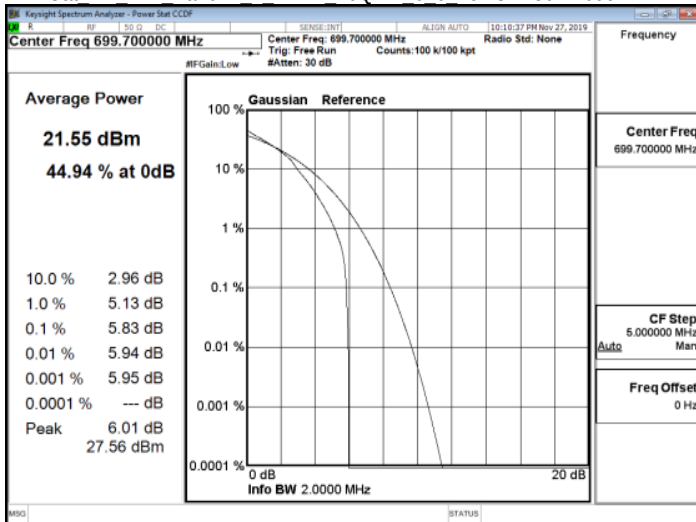
t (886-2) 2299-3279

f (886-2) 2298-0488

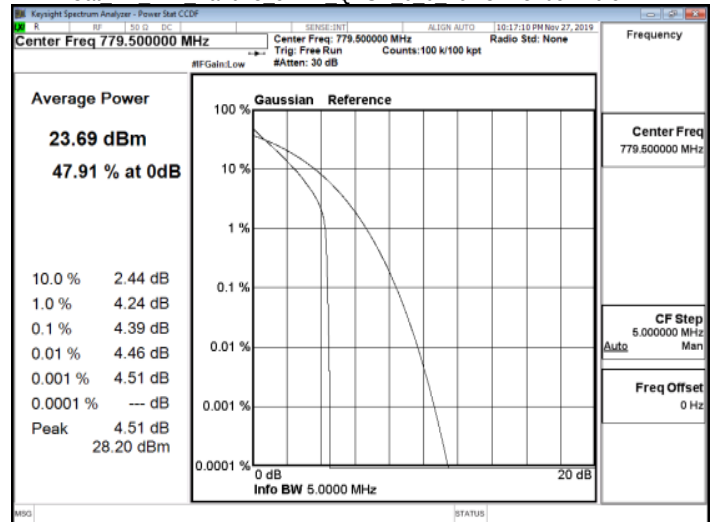
www.tw.sgs.com

Member of SGS Group

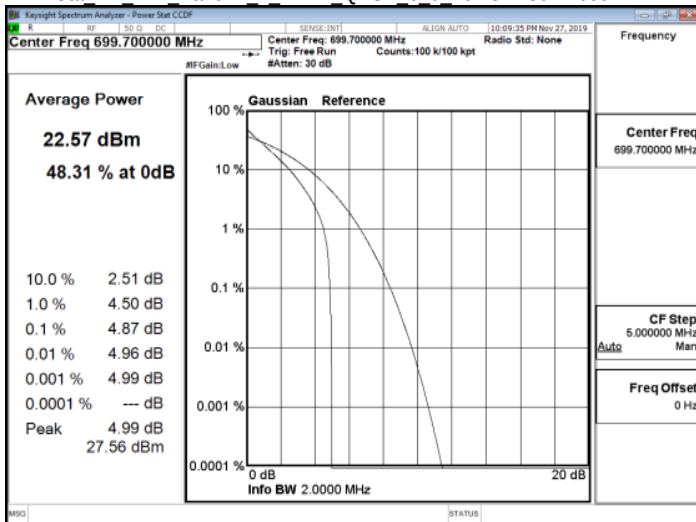
Cat M1 LTE Band12 1 4MHz 16QAM 6 0 LowCH23017-699.7



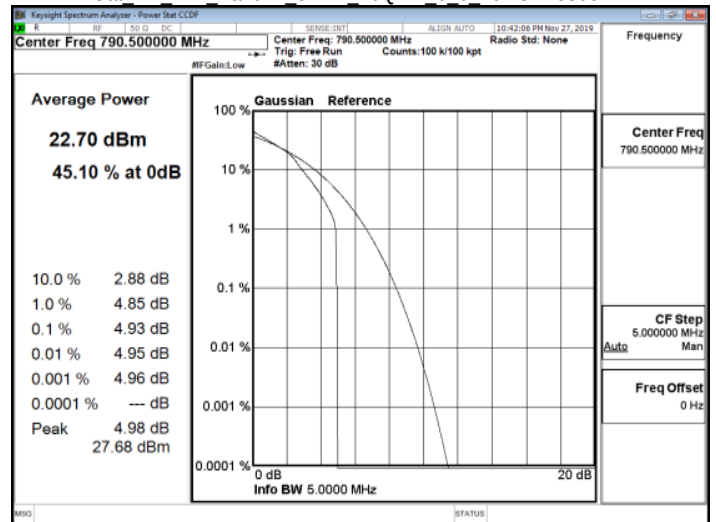
Cat M1 LTE Band13 5MHz QPSK 6 0 LowCH23205-779.5



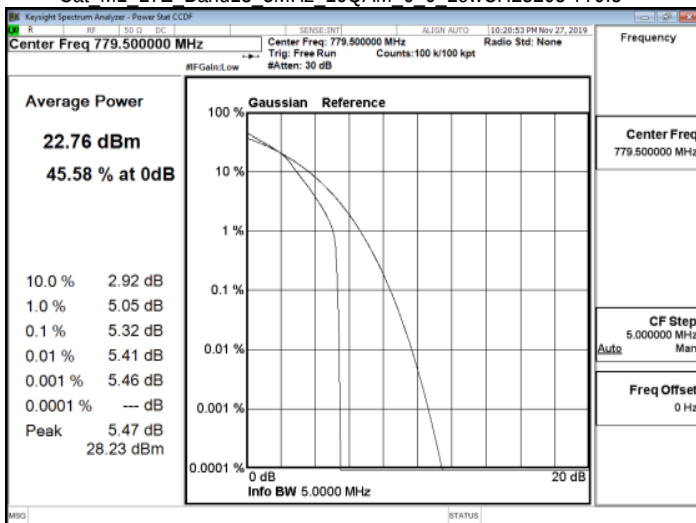
Cat M1 LTE Band12 1 4MHz QPSK 6 0 LowCH23017-699.7



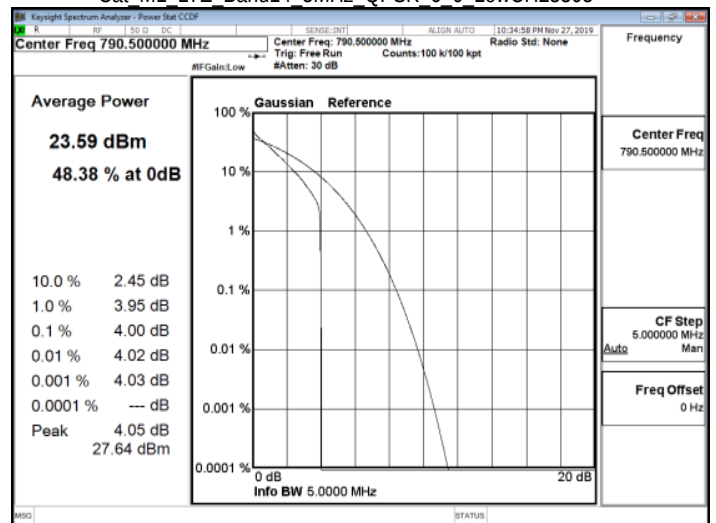
Cat M1 LTE Band14 5MHz 16QAM 6 0 LowCH23305



Cat M1 LTE Band13 5MHz 16QAM 6 0 LowCH23205-779.5



Cat M1 LTE Band14 5MHz QPSK 6 0 LowCH23305



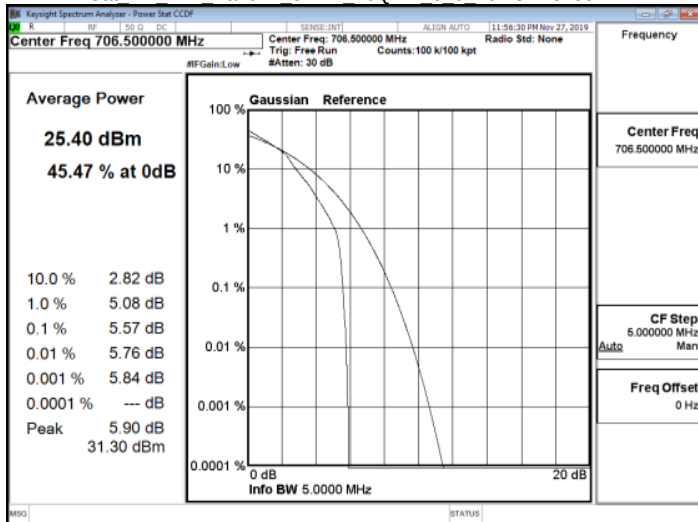
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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

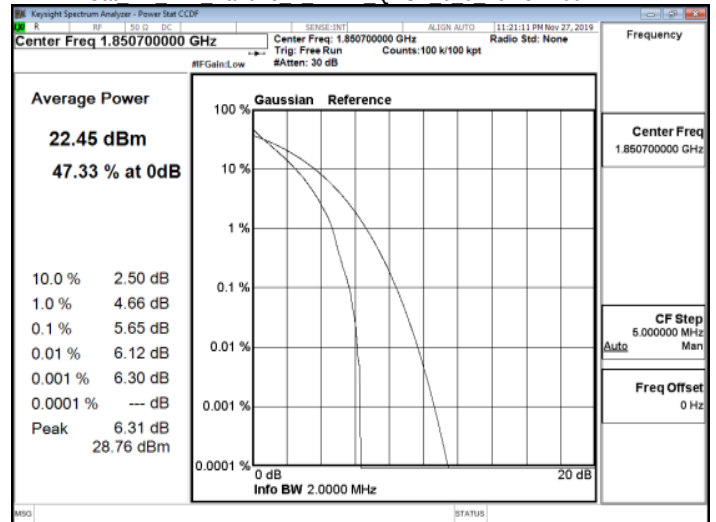
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

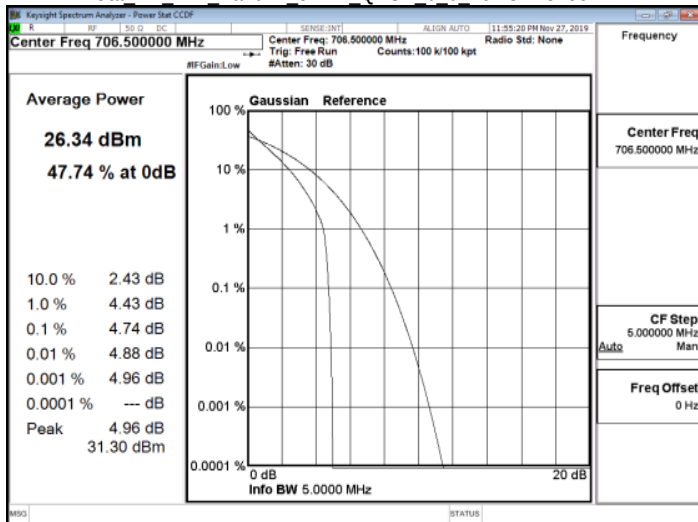
Cat M1 LTE Band17 5MHz 16QAM 6 0 LowCH23755



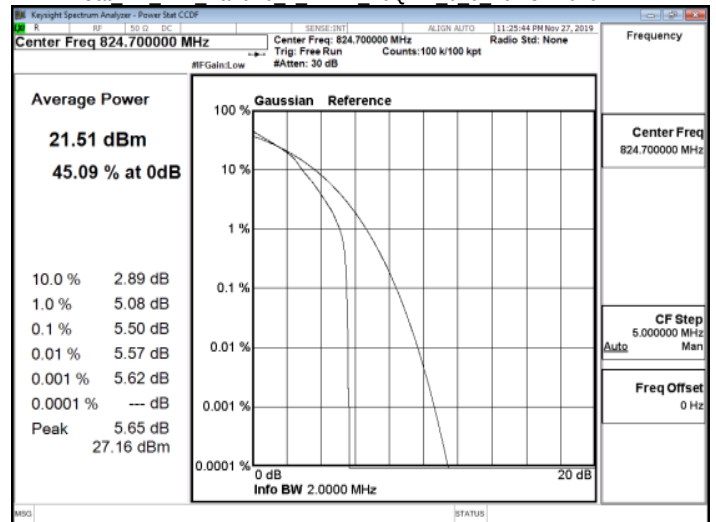
Cat M1 LTE Band25 1 4MHz QPSK 6 0 LowCH26047



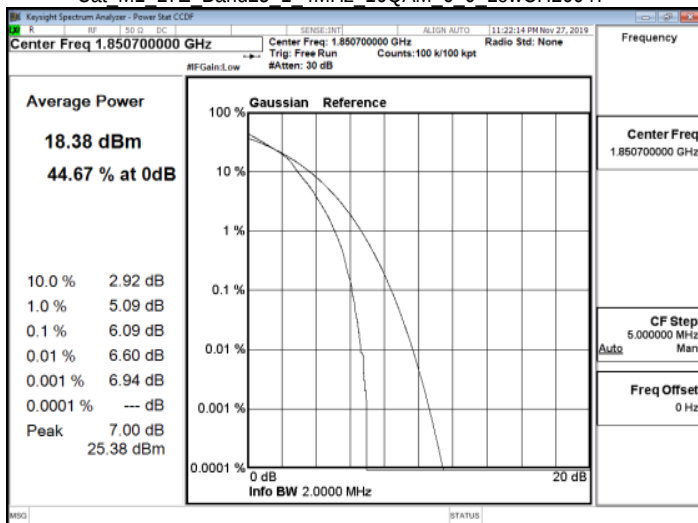
Cat M1 LTE Band17 5MHz QPSK 6 0 LowCH23755



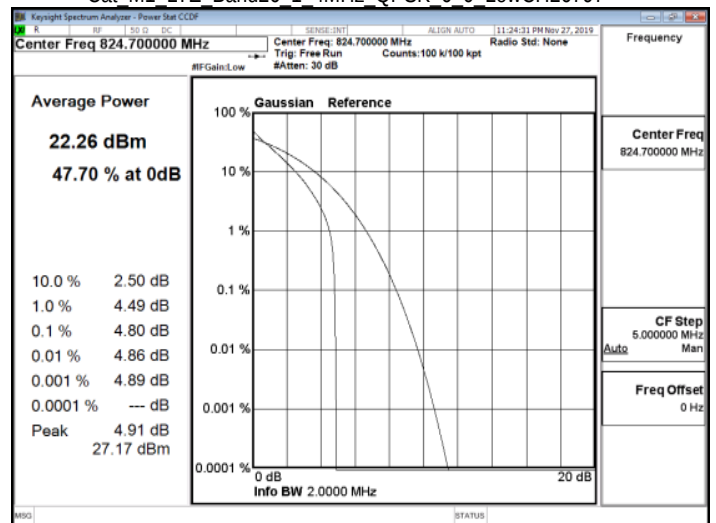
Cat M1 LTE Band26 1 4MHz 16QAM 6 0 LowCH26797



Cat M1 LTE Band25 1 4MHz 16QAM 6 0 LowCH26047



Cat M1 LTE Band26 1 4MHz QPSK 6 0 LowCH26797

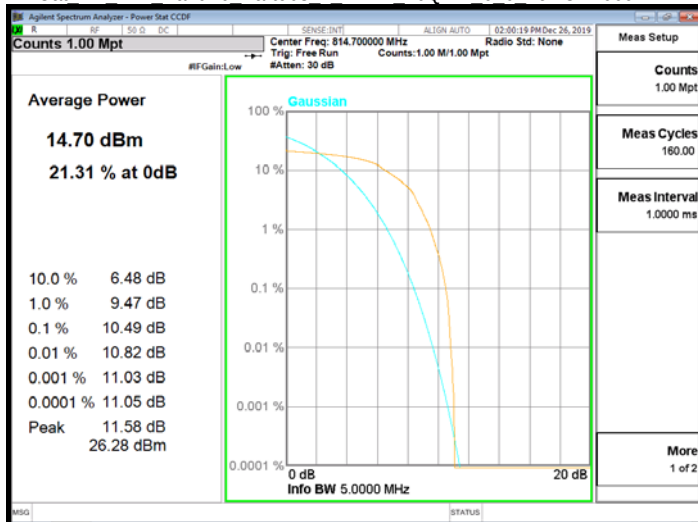


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

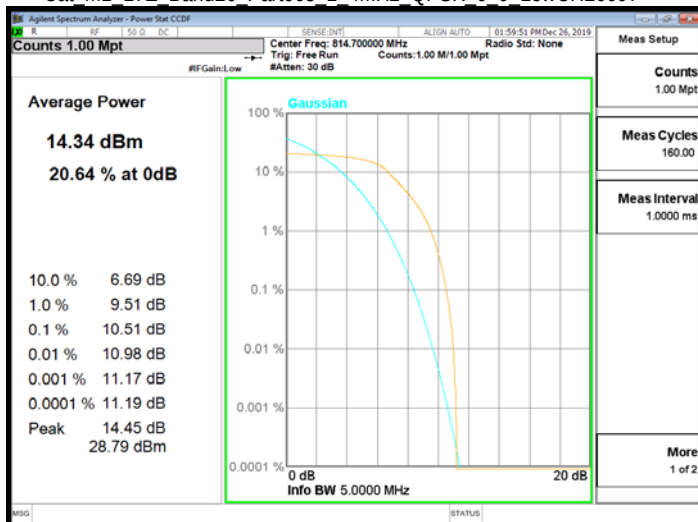
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Cat M1 LTE Band26 Part90s 1 4MHz 16QAM 6 0 LowCH26697



Cat M1 LTE Band26 Part90s 1 4MHz QPSK 6 0 LowCH26697



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

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