

| Report Numbe Operation Moo Test Frequenc Test Mode EUT Pol | de :BR | łz | Te Te A | est Date emp./Humi. ntenna Pol. | :SAC C :2023-02-12 :21.6/68 :Vertical :Andy Wang | |
|--|------------------------------|-----------------------------------|------------------------------|---------------------------------------|--|------------------|
| 100 Level 87.5 75.0 62.5 50.0 37.5 25.0 12.5 | (dBuV/m) | 11200. Freque | 16300. ncy (MHz) | 21400. | | |
| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dBμV | Factor dB | Actual FS dBμV/m | Limit @3m dBµV/m | Margin dB |
| 4960.000 7440.000 | Peak Peak Peak | 30.83 26.95 | 12.49 20.58 | 43.32 47.54 | 74.00 74.00 | -30.68 -26.46 |
| Freq. MHz | Detector Mode AV | Peak Actual FS (dBµV/m) | Duty Cycle Factor (dB) | Average Value (dBuV/m) | Average Limit@3m (dBuV/m) | Margin (dB) |
| 4960.000 7440.000 | Average Average | 43.32 47.54 | -18.71 -18.71 | 24.61 28.83 | 54.00 54.00 | -29.39 -25.17 |

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

t (886-2) 2299-3279

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

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.



| Report Numbe Operation Moe Test Frequenc Test Mode EUT Pol | de :BR | Ιz | Te Te A | est Date emp./Humi. ntenna Pol. | | |
|---|--------------------|----------------------------|----------------------|---------------------------------------|---------------------|------------------|
| 100 Level 87.5 75.0 62.5 50.0 37.5 25.0 12.5 9000 | (dBuV/m) | 2 2 11200, Freque | 16300. 16300. | 21400. | 26500 | |
| Freq. | Detector Mode | Spectrum Reading Level | Factor | Actual FS | Limit @3m | Margin |
| MHz | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 4960.000 7440.000 | Peak Peak | 30.16 26.84 | 12.49 20.58 | 42.65 47.42 | 74.00 74.00 | -31.35 -26.58 |
| Freq. | Detector Mode | Peak Actual FS | Duty Cycle Factor | Average Value | Average Limit@3m | Margin |
| MHz | AV | (dBµV/m) | (dB) | (dBuV/m) | (dBuV/m) | (dB) |
| 4960.000 7440.000 | Average Average | 42.65 47.42 | -18.71 -18.71 | 23.94 28.71 | 54.00 54.00 | -30.06 -25.29 |

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

t (886-2) 2299-3279

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

f (886-2) 2298-0488

www.sgs.com.tw



Dement Numerican TEDE0044000544E0

| Operation Mode :EDR 3M Test Date :: 2023-02-12 Test Frequency :2402 MHz Temp./Humi. :: 21.6/68 Test Mode :Tx Antenna Pol. : Vertical EUT Pol :E2 Plane Engineer :: Andy Wang Image: state of the s | Report Number | :TERF22 | 11002511E2 | Т | est Site | :SAC C | |
|--|----------------|-----------|------------|----------------|-----------|-------------|--------|
| Test Frequency:2402 MHzTemp./Humi. :21.6/68Test Mode:TxAntenna Pol. :VerticalEUT Pol:E2 PlaneEngineerImage: state st | Operation Mode | EDR 3M | | Т | est Date | :2023-02-12 | |
| Test Mode:TxAntenna Pol. :VerticalEUT Pol:E2 PlaneEngineer:Andy WangImage: State of the st | • | | | Т | emp /Humi | ·21 6/68 | |
| EUT Pol :E2 Plane Engineer :Andy Wang | , , | | | | • | | |
| $\frac{1}{100} \frac{1}{100} \frac{1}$ | | | | | | | |
| $\frac{1}{1250}$ 1 | EUT POI | :E2 Plane | 9 | E | ngineer | :Andy wang | |
| $\frac{1}{1250}$ 1 | | | | | | | |
| 75.037.537.537.537.537.537.537.637.637.637.637.637.637.637.637.637.637.631.6537.630.0012.0012.3542.00Peak30.0012.3542.3574.0031.657206.000Peak28.6419.7648.4074.0025.60Freq.DetectorPeak ActualDuty CycleAverage ValueAverage Limit@3m | 100 Level (di | BuV/m) | | | | | |
| Freq. Detector Spectrum Reading Level dBµV Factor Actual FS Limit @3m Margin dB 4804.000 Peak 30.00 12.35 42.35 74.00 -31.65 7206.000 Peak 28.64 19.76 48.40 74.00 -25.60 Freq. Detector Peak Actual Duty Cycle Average Value Average Limit@3m Margin Margin | 87.5 | | | | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 75.0 | | | | | | |
| 37.5 1 <td>62.5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | 62.5 | | | | | | |
| ZESO ZESO ZESO ZESO 12.5 000 0100 11200 21400 26500 Freq. Detector Spectrum Reading Level dBµV Factor Actual FS Limit @3m Margin @3m MHz PK/QP/AV dBµV dB dBµV/m dBµV/m dB 4804.000 Peak 30.00 12.35 42.35 74.00 -31.65 7206.000 Peak 28.64 19.76 48.40 74.00 -25.60 Freq. Detector Mode Peak Actual Duty Cycle FS Average Value Margin Limit@3m | 50.0 | 1 | | | | | |
| Image: stateImage: stateImage: stateImage: stateImage: stateImage: stateFreq.Detector ModeSpectrum Reading Level dBμVFactorActual FSLimit @3m @3mMargin @3mMHzPK/QP/AVdBμVdBdBμV/mdBμV/mdB4804.000 7206.000Peak30.00 28.6412.3542.35 48.4074.00 74.00-31.65 -25.60Freq.Detector ModePeak Actual FSDuty Cycle FSAverage ValueAverage Limit@3mMargin Margin | 37.5 | Í | | | | | |
| Proce6100.11200 (MH2)21400.26500Freq.Detector ModeSpectrum Reading Level dBμVFactor dBActual FS dBμV/mLimit @3m dBμV/mMargin @3mMHzPK/QP/AVBμVdBdBμV/mdBμV/mdB4804.000 7206.000Peak30.00 28.6412.35 19.7642.35 48.4074.00 74.00-31.65 -25.60Freq.Detector ModePeak Actual FSDuty Cycle FSAverage ValueAverage Limit@3mMargin Margin | 25.0 | | | | | | |
| Freq.Detector ModeSpectrum Reading Level dBμVFactorActual FSLimit @3mMargin @3mMHzPK/QP/AVdBμVdBdBμV/mdBμV/mdB4804.000Peak30.0012.3542.3574.00-31.657206.000Peak28.6419.7648.4074.00-25.60Freq.Detector ModePeak ActualDuty Cycle FSAverage ValueAverage Limit@3mMargin | 12.5 | | | | | | |
| Freq.Detector ModeSpectrum Reading Level dBμVFactorActual FSLimit @3mMargin @3mMHzPK/QP/AVdBμVdBdBμV/mdBμV/mdB4804.000Peak30.0012.3542.3574.00-31.657206.000Peak28.6419.7648.4074.00-25.60Freq.Detector ModePeak ActualDuty Cycle FSAverage ValueAverage Limit@3mMargin | 9000 | 6100. | 11_200. | 16300. | 21400. | 26500 | |
| Mode MHzReading Level PK/QP/AVFS dBµV@3m dBµV/mMHzPK/QP/AVdBµVdBdBµV/mdB4804.000 7206.000Peak30.0012.3542.3574.00-31.657206.000Peak28.6419.7648.4074.00-25.60Freq.Detector ModePeak Actual FSDuty Cycle FactorAverage ValueAverage Limit@3mMargin | | Datastan | | | A . t I | 1.1 | N 4 |
| MHz PK/QP/AV dBμV dB dBμV/m dBμV/m dB 4804.000 Peak 30.00 12.35 42.35 74.00 -31.65 7206.000 Peak 28.64 19.76 48.40 74.00 -25.60 Freq. Detector Peak Actual Duty Cycle Average Average Margin Mode FS Factor Value Limit@3m Margin | Freq. | | • | Factor | | | wargin |
| 4804.000 Peak 30.00 12.35 42.35 74.00 -31.65 7206.000 Peak 28.64 19.76 48.40 74.00 -25.60 Freq. Detector Peak Actual Duty Cycle Average Average Margin Mode FS Factor Value Limit@3m | MHz F | | | dB | | | dB |
| 7206.000Peak28.6419.7648.4074.00-25.60Freq.Detector ModePeak Actual FSDuty Cycle FactorAverage ValueAverage Limit@3mMargin | | | 0.2 µ (| 4D | | | 40 |
| 7206.000Peak28.6419.7648.4074.00-25.60Freq.DetectorPeak ActualDuty CycleAverageAverageMarginModeFSFactorValueLimit@3m | 4804.000 | Peak | 30.00 | 12.35 | 42.35 | 74.00 | -31.65 |
| Mode FS Factor Value Limit@3m | | | | | | | |
| Mode FS Factor Value Limit@3m | | | | | | | |
| \mathbf{U} | Freq. | | | | | | Margin |
| | MHz | AV | | Factor (dB) | | <u> </u> | |
| MHz AV (dBμV/m) (dB) (dBuV/m) (dBuV/m) (dB) | | Αv | (ασμν/Π) | (uD) | | (ubuv/iii) | (uD) |
| 4804.000 Average 42.35 -18.71 23.64 54.00 -30.36 | 4804 000 | Δverage | 42 35 | -18 71 | 23.64 | 54 00 | -30 36 |
| 7206.000 Average 48.40 -18.71 29.69 54.00 -24.31 | | - | | - | | | |

Test Olta

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

t (886-2) 2299-3279

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

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.



| Report Numbe Operation Moe Test Frequenc Test Mode EUT Pol | de :EDR 3M | Ιz | Te Te A | est Date emp./Humi. .ntenna Pol. | | |
|--|--------------------|---------------------------|---------------------|--|----------------------|------------------|
| 100 Level 87.5 75.0 62.5 50.0 37.5 25.0 12.5 | (dBuV/m) | | | | | |
| 9 | 6100. | 11200. Freque | 16300. ncy (MHz) | 21400. | 26500 | |
| Freq. | Detector Mode | Spectrum Reading Level | Factor | Actual FS | Limit @3m | Margin |
| MHz | PK/QP/AV | dBμV | dB | dBµV/m | dBµV/m | dB |
| 4804.000 7206.000 | Peak Peak | 30.44 29.40 | 12.35 19.76 | 42.79 49.16 | 74.00 74.00 | -31.21 -24.84 |
| Freq. | Detector | Peak Actual | Duty Cycle | Average | Average | Margin |
| MHz | Mode AV | FS (dBµV/m) | Factor (dB) | Value (dBuV/m) | Limit@3m (dBuV/m) | (dB) |
| 4804.000 7206.000 | Average Average | 42.79 49.16 | -18.71 -18.71 | 24.08 30.45 | 54.00 54.00 | -29.92 -23.55 |

t (886-2) 2299-3279

除非另有說明,此報告結果僅對測試之樣品負責,同時比樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 Numbe Operation Mod Test Frequenc Test Mode EUT Pol | de :EDR 3M | Ιz | Te Te A | est Date emp./Humi. ntenna Pol. | :SAC C :2023-02-12 :21.6/68 :Vertical :Andy Wang | |
|---|--------------------|---------------------------|----------------------|---------------------------------------|--|------------------|
| 100 Level 87.5 75.0 62.5 50.0 37.5 25.0 12.5 0000 | (dBuV/m) | | 16300. 16300. | | 26509 | |
| Freq. | Detector Mode | Spectrum Reading Level | Factor | Actual FS | Limit @3m | Margin |
| MHz | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 4882.000 7323.000 | Peak Peak | 29.70 29.05 | 12.54 20.69 | 42.24 49.74 | 74.00 74.00 | -31.76 -24.26 |
| Freq. MHz | Detector Mode | Peak Actual FS | Duty Cycle Factor | Average Value | Average Limit@3m | Margin |
| | AV | (dBµV/m) | (dB) | (dBuV/m) | (dBuV/m) | (dB) |
| 4882.000 7323.000 | Average Average | 42.24 49.74 | -18.71 -18.71 | 23.53 31.03 | 54.00 54.00 | -30.47 -22.97 |

t (886-2) 2299-3279

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

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.



| Report Numbe Operation Mod Test Frequenc Test Mode EUT Pol | de :EDR 3M | łz | Ti Ti A | est Date emp./Humi. ntenna Pol. | | |
|--|--------------------|---------------------------|----------------------|---------------------------------------|---------------------|------------------|
| 100 Level 87.5 75.0 62.5 50.0 37.5 25.0 12.5 | (dBuV/m) | | | | | |
| 9 | 6100. | 11200. Freque | 16300. ncy (MHz) | 21400. | 26500 | |
| Freq. | Detector Mode | Spectrum Reading Level | Factor | Actual FS | Limit @3m | Margin |
| MHz | PK/QP/AV | dBμV | dB | dBµV/m | dBµV/m | dB |
| 4882.000 7323.000 | Peak Peak | 29.47 29.21 | 12.54 20.69 | 42.02 49.90 | 74.00 74.00 | -31.98 -24.10 |
| Freq. | Detector Mode | Peak Actual FS | Duty Cycle Factor | Average Value | Average Limit@3m | Margin |
| MHz | AV | (dBµV/m) | (dB) | (dBuV/m) | (dBuV/m) | (dB) |
| 4882.000 7323.000 | Average Average | 42.02 49.90 | -18.71 -18.71 | 23.31 31.19 | 54.00 54.00 | -30.69 -22.81 |

t (886-2) 2299-3279

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



Dement Numerican TEDE0044000544E0

| Report Number | :TERF22 | 11002511E2 | Te | est Site | :SAC C | |
|----------------|---------------|------------------|---------------------|-------------------|----------------------|--------|
| Operation Mode | EDR 3M | | Te | est Date | :2023-02-12 | |
| Test Frequency | :2480 MF | łz | Te | emp./Humi. | :21.6/68 | |
| Test Mode | :Tx | | А | ntenna Pol. | :Vertical | |
| EUT Pol | :E2 Plane | 2 | | | :Andy Wang | |
| LOTTO | | <i>.</i> | L | ngineer | .Andy Wang | |
| 100 Level (d | BuV/m) | | | | | |
| 87.5 | | | | | | |
| 75.0 | | | | | | |
| 62.5 | | | | | | |
| 50.0 | | | | | | |
| 37.5 | | | | | | |
| 25.0 | | | | | | |
| | | | | | | |
| 12.5 | | | | | | |
| 1000 | 6100. | 11200. Freque | 16300. ncy (MHz) | 21400. | 26500 | |
| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
| | Mode | Reading Level | JD | FS dBuV/m | @3m | |
| MHz | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 4960.000 | Peak | 29.84 | 12.49 | 42.33 | 74.00 | -31.67 |
| 7440.000 | Peak | 27.02 | 20.58 | 47.60 | 74.00 | -26.40 |
| | | | | | | |
| Freq. | Detector | Peak Actual | Duty Cycle | Average | Average | Margin |
| MHz | Mode | FS (dBu)//m) | Factor (dB) | Value (dBuV/m) | Limit@3m (dBuV/m) | (dB) |
| | <u>////</u> | | | | | |
| | AV | (dBµV/m) | (ub) | (ubu v/m) | (dDd v/m) | |
| 4960.000 | AV Average | 42.33 | -18.71 | 23.62 | 54.00 | -30.38 |

Test Olta

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

t (886-2) 2299-3279

除非另有說明,此報告結果僅對測試之樣品負責,同時比樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 Numbe Operation Moe Test Frequenc Test Mode EUT Pol | de :EDR 3M | łz | Te Te A | est Date emp./Humi. .ntenna Pol. | | |
|--|--------------------|-----------------------|----------------------|--|----------------------|------------------|
| 87.5 75.0 62.5 50.0 37.5 25.0 12.5 | | | | | | |
| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
| MHz | Mode PK/QP/AV | Reading Level dBμV | dB | FS dBµV/m | @3m dBμV/m | dB |
| 4960.000 7440.000 | Peak Peak | 29.45 26.88 | 12.49 20.58 | 41.94 47.46 | 74.00 74.00 | -32.06 -26.54 |
| Freq. | Detector Mode | Peak Actual FS | Duty Cycle Factor | Average Value | Average | Margin |
| MHz | AV | rs (dBμV/m) | (dB) | (dBuV/m) | Limit@3m (dBuV/m) | (dB) |
| 4960.000 7440.000 | Average Average | 41.94 47.46 | -18.71 -18.71 | 23.23 28.75 | 54.00 54.00 | -30.77 -25.25 |

t (886-2) 2299-3279

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

f (886-2) 2298-0488

www.sgs.com.tw

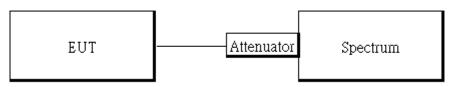


12 FREQUENCY SEPARATION

12.1 Standard Applicable

Frequency hopping systems shall have hopping channel carrier frequencies separated by minimum of 25 kHz or the 2/3*20dB bandwidth of the hopping channel, whichever is greater.

12.2 Test Setup



12.3 Measurement Procedure

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. The testing follows ANSI C63.10:2013.
- 3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 4. Set center frequency of spectrum analyzer = middle of hopping channel.
- 5. Set the RBW approximately 30% of the channel spacing, $VBW \ge RBW$.
- 6. Adjust Span to Wide enough to capture the peaks of two adjacent channels.
- 7. Sweep = auto.
- 8. Max hold. Mark 3 Peaks of hopping channel and record the 3 peaks frequency.

12.4 Measurement Result

| Channel separation (MHz) | Limit | Result |
|-----------------------------|--|--------|
| 1 | ≧25 kHz or 2/3 times 20dB bandwidth | PASS |

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

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

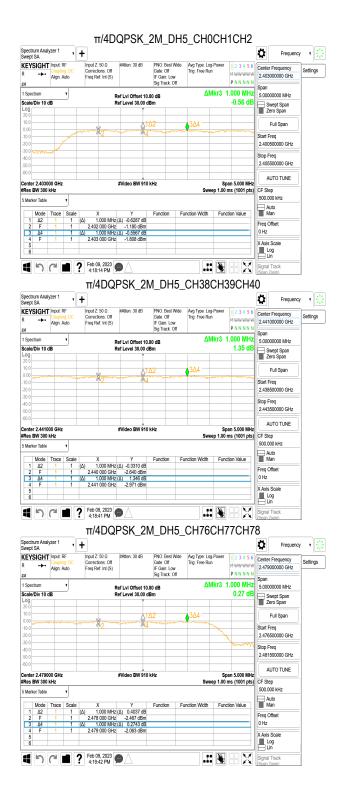
t (886-2) 2299-3279

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client and this document to any s

Report No.: TERF2211002511E2 Page: 147 of 161







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

t (886-2) 2299-3279

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

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

f (886-2) 2298-0488



Report No.: TERF2211002511E2 Page: 148 of 161

| EYSIGHT | Input: RF | Input Z: 50 Ω Corrections: Off | #Atten: 30 dB | PNO: Best Wid Gate: Off | e Avg Type: Lo Trig: Free Ru | n . | 23456 | Center Freque | equency • |
|--|-----------------------------|--|---|--------------------------------|---------------------------------|---------------------------------------|------------------------------|---|-----------|
| } → → ,u | Align: Auto | Freq Ref: Int (S) | | IF Gain: Low Sig Track: Off | Thg. Flee Ku | | 1 WW WW W 9 N N N N N | 2.403000000 Span | |
| Spectrum | • | Re | of Lvi Offset 10. | .80 dB | Δι | /kr3 1.0 | | 5.00000000 N | (Hz |
| cale/Div 10 d | В | Re | ef Level 30.00 d | IBm | | | -0.40 dB | Swept Sp Zero Spar | an |
| 20.0 | | | | | | | | Zero spar | 1 |
| 0.0 | | | | Δ2 | <u></u> 3∆4 | | | Full Spa | n |
| 10.0 | | w2 | | | | | | Start Freq | |
| 20.0 30.0 %~^~~~~~~ | and the second | | | | | | | 2.400500000 | GHz |
| 10.0 | - | | | | | | | Stop Freq | |
| 50.0 | | | | | | | | 2.405500000 | GHZ |
| enter 2.40300 | 0.011- | | #Video BW 910 | | | 0 | 5.000 MHz | AUTO TU | NE |
| Res BW 300 F | | | FVIDEO BAV 910 | KHZ | Swe | span ep 1.00 ms | | CF Step | _ |
| Marker Table | ۲ | | | | | | | 500.000 kHz | |
| Mode | Trace Scale | x X | Y | Function | Function Width | Functio | n Value | Auto Man | |
| 1 Δ2 | 1 f | (Δ) 1.000 MHz (A | Δ) -0.2473 dB | - Canodon | T different finder | T unouo | | Freq Offset | |
| 2 F 3 Δ4 | 1 f | 2.402 000 GHz (Δ) 1.000 MHz (J | -1.102 dBm Δ) -0.3994 dB | | | | | 0 Hz | |
| 4 F 5 | 1 f | 2.403 000 GHz | -1.349 dBm | | | | | X Axis Scale | |
| 6 | | | | | | | | Log Lin | |
| 16 | | ĵ Feb 09, 2023 ▲ | Δ | | | | | | |
| ų () (| L 🔳 | ? Feb 09, 2023 4:22:32 PM | | | | | HX | Signal Track (Span Zoom) | |
| | | 8DPS | K 3M | DH5 (| CH38CI | H39C | H40 | | |
| pectrum Analy | zer 1 | | | | | | | * | |
| wept SA | | + | | | | - | | Ç F | equency v |
| EYSIGHT | | Corrections: Off | #Atten: 30 dB | PNO: Best Wid Gate: Off | e Avg Type: Lo Trig: Free Ru | n . | 23456 | Center Freque | |
| ••• | Align: Auto | Freq Ref: Int (S) | | IF Gain: Low Sig Track: Off | | 1 | 1 WWWWW PNNNNN | 2.441000000 | GHz |
| spectrum | - | | | | | //kr3 1.0 | | Span | |
| cale/Div 10 d | B | Re Rf | ef Lvi Offset 10. ef Level 30.00 d | .80 dB iBm | | | 0.69 dB | 5.00000000 N | |
| .og | - | | T | | | | | Swept Sp | an 1 |
| 20.0 | | | .1 | Δ2 | 3Δ4 | | | Full Spa | n 1 |
| 0.00 | | mar Marrow | | | | | | | |
| 10.0 | | | | | | | | Start Freq 2.438500000 | GHz |
| 30.0 | | | | | | | | Stop Freq | |
| 40.0 | | | | | | | | 2.443500000 | GHz |
| 60.0 | | | | | | | | | |
| enter 2.44100 | | 1 | #Video BW 910 | kHz | | | 5.000 MHz | AUTO TU | NE |
| Res BW 300 H | | | | | Swe | ep 1.00 ms | (1001 pts) | CF Step 500.000 kHz | |
| Marker Table | | | | | | | | Auto | |
| Mode 1 Δ2 | Trace Scale | | Y | Function | Function Width | Functio | n Value | Man 🖉 | |
| 2 F | 1 f | 2.440 000 GHz | Δ) -0.1943 dB -2.092 dBm | | | | | Freq Offset | |
| 3 <u>∆</u> 4 4 F | 1 1 1 1 | (Δ) 1.000 MHz (J 2.441 000 GHz | Δ) 0.6894 dB -2.286 dBm | | | | | 0 Hz | |
| 5 | | | | | | | | X Axis Scale Log | |
| 6 | | | | | | | | Lin | |
| い | ମ 🔳 | ? Feb 09, 2023 4:22:53 PM | | | | | \mathbb{R} | Signal Track (Span Zoom) | |
| | | | | | | | | UISDBN ZOOMI) | |
| | | 8DPS | K_3IVI | _DH5_(| CH76CI | H//C | H/8 | | |
| pectrum Analy wept SA | /zer 1 🗸 | + | | | | | | Ö P | equency v |
| EYSIGHT | Input: RF | Input Z: 50 Ω | #Atten: 30 dB | PNO: Best Wid | e Avg Type: Lo | g-Power | 23456 | Center Freque | |
| ••• | Coupling: DC Align: Auto | Corrections: Off Freq Ref: Int (S) | | Gate: Off IF Gain: Low | Trig: Free Ru | P | 1*** | 2.479000000 | |
| a | - | | | Sig Track: Off | | | NNNN | Span | |
| Spectrum | | | of Lvi Offset 10. | | Δι | Mkr3 1.0 | | 5.00000000 N | (Hz |
| cale/Div 10 d | В | Re | ef Level 30.00 d | IBm | | | -0.25 dB | Swept Sp | an |
| 20.0 | | | | | | | | Zero Spar | 1 |
| 10.0 | | with the second | | Δ2 | 3∆4 | | | Full Spa | n |
| 0.00 | | -Aradhu (2) - mh | Marine | | | n n n n n n n n n n n n n n n n n n n | | Start Freq | |
| 10.0 | | | | | | No. | | 2.476500000 | GHz |
| 20.0 | | | | | | | w. add | Stop Freq | |
| 10.0 20.0 30.0 40.0 | | | | | | | | 2.481500000 | GHZ |
| 10.0 20.0 30.0 40.0 | | | | | | | 5.000 MHz | AUTO TU | NE |
| 10.0 20.0 30.0 50.0 50.0 | 20.011- | | A Galace Print A | | | | 5.000 MHz (1001 pts) | CF Step | |
| 10.0 20.0 30.0 50.0 50.0 60.0 enter 2.47900 | | | #Video BW 910 | KHZ | Swe | | | CF Step | |
| 10.0 20.0 30.0 40.0 50.0 60.0 enter 2.47900 Res BW 300 H | | 1 | ¥Video BW 910 | KHZ | Swe | iep 1.00 ms | (1001 pts) | 500.000 kHz | |
| 10.0 20.0 30.0 50.0 50.0 50.0 50.0 50.0 50.0 5 | kHz T | | | | | | | 500.000 kHz | |
| 10.0 20.0 | kHz | e X (Δ) 1.000 MHz (A | Y 40).0001936 dB | Function | Swe | Functio | | 500.000 kHz Auto Man | |
| 1 <u>Δ2</u> 2 F | kHz Trace Scale | e X (Δ) 1.000 MHz (4 2.478 000 GHz | Y 40).0001936 dB -1.455 dBm | | | | | 500.000 kHz | |
| Ν | kHz Trace Scale | e X (Δ) 1.000 MHz (A | Y 40).0001936 dB -1.455 dBm | | | | | 500.000 kHz Auto Man Freq Offset 0 Hz | |
| 10.0 20.0 20.0 30.0 40.0 50.0 | kHz Trace Scale | e X (Δ) 1.000 MHz (ι 2.478 000 GHz (Δ) 1.000 MHz (ι | Y 40)0001936 dB -1.455 dBm Δ) -0.2537 dB | | | | | 500.000 kHz Auto Man Freq Offset | |

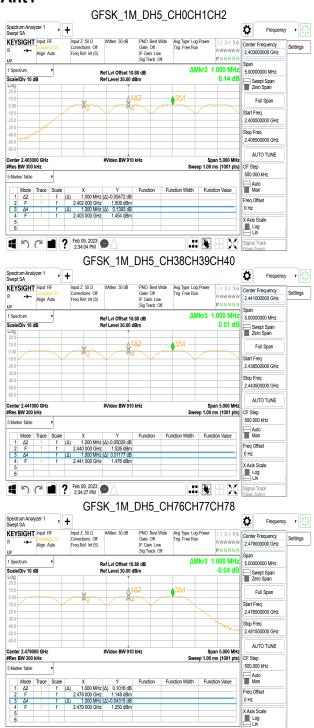
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

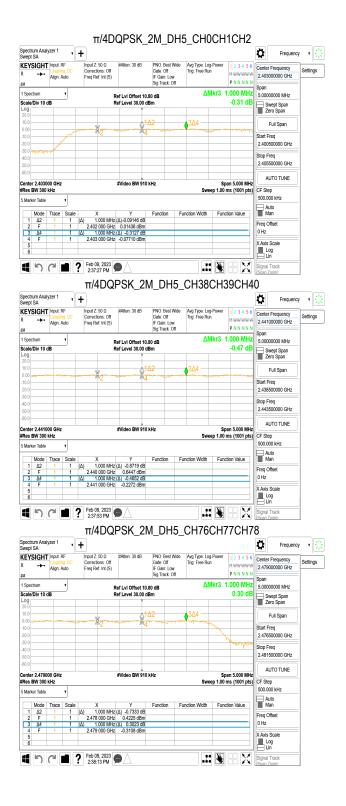
除非另有說明,此報告結果僅對測試之樣品負責,同時比樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions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

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

Report No.: TERF2211002511E2 Page: 149 of 161







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

Х .# 😽 🕂

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

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

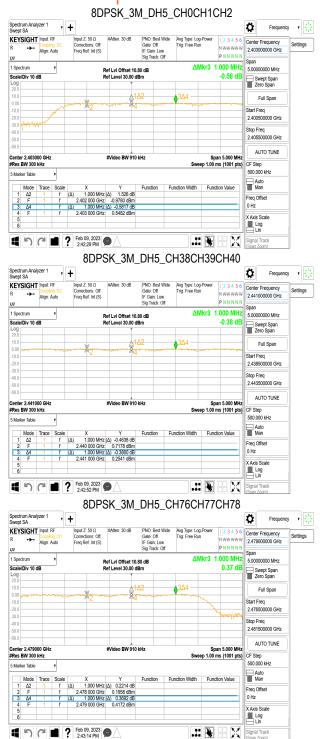
手 ら で ■ ? Feb 09, 2023 の 2:35:00 PM

f (886-2) 2298-0488

www.sqs.com.tw



Report No.: TERF2211002511E2 Page: 150 of 161



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

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

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

```
www.sqs.com.tw
```

Report No.: TERF2211002511E2 Page: 151 of 161

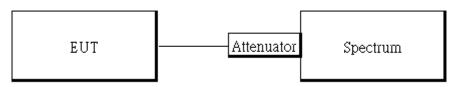


13 NUMBER OF HOPPING FREQUENCY

Standard Applicable 13.1

Frequency hopping systems operating in the 2400MHz-2483.5 MHz bands shall use at least 15 hopping frequencies.

13.2 Test Setup



13.3 **Measurement Procedure**

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. The testing follows ANSI C63.10:2013.
- 3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 4. Set spectrum analyzer Start=2400MHz, Stop = 2483.5MHz, Sweep = auto.
- 5. Set the spectrum analyzer as RBW = 30% of the channel spacing, VBW \geq RBW., Detector = Peak
- 6. Max hold, view and count how many channel in the band.

13.4 Measurement Result

Tabular Data of Total Channel Number

| | Channel Number | Limit |
|------------------------|----------------|-------|
| 2.4 GHz – 2.441 GHz | 40 | |
| 2.441 GHz – 2.4835 GHz | 39 | >15 |
| 2.4 GHz ~2.4835 GHz | (40+39) = 79 | |

t (886-2) 2299-3279

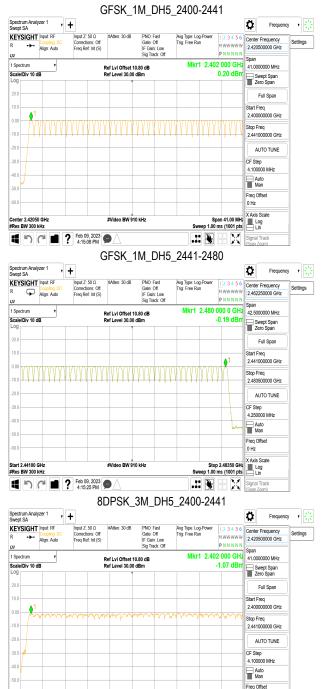
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 No.: TERF2211002511E2 Page: 152 of 161



Ant0



| KEYSIGHT Input: RF Coupling: DC Align: Auto | Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) | #Atten: 30 dB | PNO: Fast Gate: Off IF Gain: Low | Avg Type: Log-Power Trig: Free Run | 1 2 3 4 5 6 MWWWWW | Center Frequency 2.462250000 GHz | Settings |
|---|--|------------------|--|---------------------------------------|--------------------------|-------------------------------------|----------|
| Na V | | ef Lvi Offset 10 | Sig Track: Off | Mkr1 2.480 | P N N N N N 000 0 GHz | Span 42.5000000 MHz | |
| Scale/Div 10 dB | | ef Level 30.00 d | | | -1.11 dBm | Swept Span Zero Span | |
| 20.0 | | | | | _ | Full Span | |
| 0.00 | | | | | 1 | Start Freq 2.441000000 GHz | |
| 1.00 WWWWWWWW 10.0 | a water and a second and a second | | man hanna | MANNANAN | m | Stop Freq 2.483500000 GHz | |
| 10.0 | | | | | | AUTO TUNE | 3 |
| 30.0 | | | | | h | CF Step 4.250000 MHz | |
| 0.0 | | | | | 1 | Auto Man | |
| 10.0 | | | | | _ | Freq Offset 0 Hz | |
| tart 2.44100 GHz | | #Video BW 910 | kHz | Ste | op 2.48350 GH; | X Axis Scale | |

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

0 Hz X Axis Sca

Signal Trac

Span 41.00 MH: Sweep 1.00 ms (1001 pts

🕃 🗄 🗶

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

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

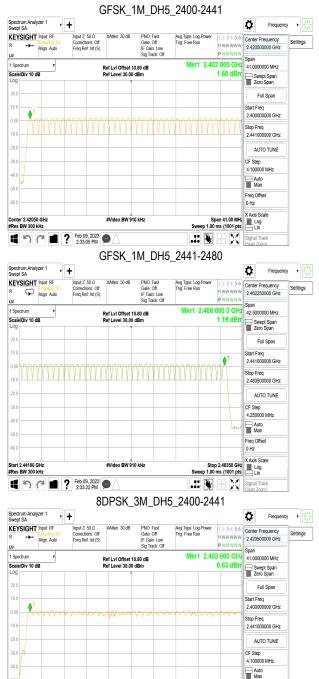
dee BW 010 kH

Center 2.42050 Center

Report No.: TERF2211002511E2 Page: 153 of 161



Ant1



8DPSK 3M DH5 2441-2480 Spectrum Analyzer 1 Swept SA 1+ Ö - 125 Frequency 1 2 3 4 5 6 Center Frequency 2.462250000 GHz Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) PNO: Fast Gate: Off KEYSIGHT Input: RF Avg Type: Log-Power Trig: Free Run Settings \mathbf{P} Align: Auto IF Gain: Low Sig Track: Off PNNNN L)0 Mkr1 2.480 000 0 GHz Span 42.5000000 MHz Ref Lvi Offset 10.80 dB Ref Level 30.00 dBm Scale/Div 10 dB 0.70 d Swept Span Zero Span Full Span Start Freq 2.441000000 GHz ١ Stop Freq 2.483500000 GHz AUTO TUNE CF Ster 4.250000 MHz Auto Man Freq Offset 0 Hz X Axis Sc Stop 2.48350 GHa Log Sweep 1.00 ms (1001 pts Start 2.44100 GH: #Res BW 300 kHz BW 910 kH Feb 09, 2023 の 2:43:54 PM Signal Trac

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

Span 41.00 MH: Sweep 1.00 ms (1001 pts

🕃 🗄 🗶

Freq Offset 0 Hz X Axis Sca

Signal Trac

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

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

dee BW 010 kH

Center 2.42050 C #Res BW 300 kH

手 ら で 目 ? Feb 09, 2023 の 2:43:37 PM

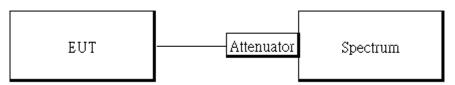


14 TIME OF OCCUPANCY (DWELL TIME)

Standard Applicable 14.1

Frequency hopping systems operating in the 2400MHz-2483.5MHz. The average time of occupancy on any frequency shall not greater than 0.4 s within period of 0.4 seconds multiplied by the number of hopping channel employed.

14.2 Test Setup



14.3 **Measurement Procedure**

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. The testing follows ANSI C63.10:2013.
- 3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 4. Set center frequency of spectrum analyzer = operating frequency.

5. Set the spectrum analyzer as RBW, VBW=1MHz, 3MHz, Span = 0Hz, Detector = Peak, Adjust Sweep = $2 \sim 8 \text{ms}$.

6. Repeat above procedures until all frequency of the interest measured were complete.

Formula Deduced: time occupancy of one time slot X Hopping rate / total slot in one channel / total channel that hops X period of working channels.

Where, standard hopping rate is 1600 hops/s, slot in one channel for DH1, DH3, and DH5 is 2, 4, and 6, respectively.

DH1 consists of single time slot of the uplink, and one slot of the downlink Total Slot: 2 DH3 consists of three time slot of the uplink, and one slot of the downlink. Total Slot: 4 DH5 consists of five time slot of the uplink, and one slot of the downlink. Total Slot: 6

Note: the result of the complete test default channel at 1Mbps is recorded on the test report, 2Mbps, and 3Mbps only records the measurement result at middle channel that reveals no much deviation.

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

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

www.sqs.com.tw

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



14.4 **Measurement Result**

Ant0

GFSK (1Mbps)

| Channel | PACKET TYPE | Measurement Result (ms) | Limit (ms) |
|---------|-------------|----------------------------|---------------|
| Mid | DH1 | 123.20 | 400ms |
| | DH3 | 262.40 | 400ms |
| | DH5 | 308.80 | 400ms |

π/4 DQPSK (2Mbps)

| Channel | PACKET TYPE | Measurement Result (ms) | Limit (ms) |
|---------|-------------|----------------------------|---------------|
| | 2DH1 | 123.20 | 400ms |
| Mid | 2DH3 | 262.40 | 400ms |
| | 2DH5 | 308.80 | 400ms |

8-DPSK (3Mbps)

| Channel | PACKET TYPE | Measurement Result (ms) | Limit (ms) |
|---------|-------------|----------------------------|---------------|
| Mid | 3DH1 | 123.20 | 400ms |
| | 3DH3 | 262.40 | 400ms |
| | 3DH5 | 308.80 | 400ms |

GFSK (1Mbps):

| CH Mid | DH1 time slot | = | 0.385 * | (1600/2/79) | * | 31.6 = | 123.20 (ms) |
|--------|---------------|---|---------|-------------|---|--------|-------------|
| | DH3 time slot | = | 1.640 * | (1600/4/79) | * | 31.6 = | 262.40 (ms) |
| | DH5 time slot | = | 2.895 * | (1600/6/79) | * | 31.6 = | 308.80 (ms) |

π/4 -DQPSK (2Mbps):

| CH Mid | 2DH1 time slot = | 0.385 * | (1600/2/79) * | * 31.6 | = | 123.20 (ms) |
|--------|------------------|---------|---------------|--------|---|-------------|
| | 2DH3 time slot = | 1.640 * | (1600/4/79) * | * 31.6 | = | 262.40 (ms) |
| | 2DH5 time slot = | 2.895 * | (1600/6/79) * | * 31.6 | = | 308.80 (ms) |

8-DPSK (3Mbps):

| CH Mid | 3DH1 time slot = | 0.385 | * | (1600/2/79) | * | 31.6 | = | 123.20 | (ms) |
|--------|------------------|-------|---|-------------|---|------|---|--------|------|
| | 3DH3 time slot = | 1.640 | * | (1600/4/79) | * | 31.6 | = | 262.40 | (ms) |
| | 3DH5 time slot = | 2.895 | * | (1600/6/79) | * | 31.6 | = | 308.80 | (ms) |

A period time = 0.4 (s) * 79 = 31.6 (s)

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

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



Ant1

GFSK (1Mbps)

| Channel | PACKET TYPE | Measurement Result (ms) | Limit (ms) |
|---------|-------------|----------------------------|---------------|
| | DH1 | 123.20 | 400ms |
| Mid | DH3 | 262.40 | 400ms |
| | DH5 | 308.80 | 400ms |

π/4 DQPSK (2Mbps)

| Channel | PACKET TYPE | Measurement Result (ms) | Limit (ms) |
|---------|-------------|----------------------------|---------------|
| Mid | 2DH1 | 124.80 | 400ms |
| | 2DH3 | 262.40 | 400ms |
| | 2DH5 | 307.20 | 400ms |

8-DPSK (3Mbps)

| Channel | PACKET TYPE | Measurement Result (ms) | Limit (ms) |
|---------|-------------|----------------------------|---------------|
| | 3DH1 | 123.20 | 400ms |
| Mid | 3DH3 | 262.40 | 400ms |
| | 3DH5 | 307.20 | 400ms |

GFSK (1Mbps):

| CH Mid | DH1 time slot | = | 0.385 * | (1600/2/79) | * | 31.6 = | 123.20 (ms) |
|--------|---------------|---|---------|-------------|---|--------|-------------|
| | DH3 time slot | = | 1.640 * | (1600/4/79) | * | 31.6 = | 262.40 (ms) |
| | DH5 time slot | = | 2.895 * | (1600/6/79) | * | 31.6 = | 308.80 (ms) |

π/4 -DQPSK (2Mbps):

| CH Mid | 2DH1 time slot = | 0.390 * | (1600/2/79) * | 31.6 = | 124.80 (ms) |
|--------|------------------|---------|---------------|--------|-------------|
| | 2DH3 time slot = | 1.640 * | (1600/4/79) * | 31.6 = | 262.40 (ms) |
| | 2DH5 time slot = | 2.880 * | (1600/6/79) * | 31.6 = | 307.20 (ms) |

8-DPSK (3Mbps):

| CH Mid | 3DH1 time slot | = | 0.385 * | k | (1600/2/79) | * | 31.6 | = | 123.20 | (ms) |
|--------|------------------|---|---------|---|-------------|---|------|---|--------|------|
| | 3DH3 time slot = | = | 1.640 * | k | (1600/4/79) | * | 31.6 | = | 262.40 | (ms) |
| | 3DH5 time slot = | = | 2.880 * | k | (1600/6/79) | * | 31.6 | = | 307.20 | (ms) |

A period time = 0.4 (s) * 79 = 31.6 (s)

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

除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 No.: TERF2211002511E2 Page: 157 of 161



Ant0





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

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

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

t (886-2) 2299-3279 台灣檢驗科技股份有限公司

f (886-2) 2298-0488

```
www.sgs.com.tw
```



| Spectrum Analyzer 1 | + | ime_8DPSK_3 | - | | Frequency | • • ; |
|--|---|---|---------------------------------------|----------------------------|--|----------|
| KEYSIGHT Input: RF | Input Ζ: 50 Ω | #Atten: 30 dB PNO: Fast | Avg Type: Log-Power | 123456 | Center Frequency | |
| Coupling DC Align: Auto/No | Corrections: Off Freq Ref: Int (S) | Gate: Off IF Gain: Low | Trig: Free Run | wwwww | 2.441000000 GHz | Settings |
| Na l | | Sig Track: Off | | PNNNNN | Span | |
| Spectrum v | R | ef Lvi Offset 10.80 dB | ΔMkr3 | 1.250 ms | 0.00000000 Hz | |
| cale/Div 10 dB | R | ef Level 30.00 dBm | | 0.00 dB | Swept Span | |
| 20.0 | 1/12 | <u>βΔ4</u> | | | Zero Span | |
| 10.0 0.00 | | | ٦ (| | Full Span | |
| 10.0 | | | | | Start Freq | |
| 20.0 | | | | | 2.441000000 GHz | |
| 10.0 | | | | | Stop Freq | |
| 50.0 4-4-40/m/read | al new low and a straight | Henry Marthurbert Martin | Wingstage Water Danshar | 6.Brit | 2.441000000 GHz | |
| 50.0 | | | | | AUTO TUNE | |
| enter 2.441000000 GHz es BW 1.0 MHz | | #Video BW 3.0 MHz | Sumon E 00 | Span 0 Hz | CF Step | |
| | | | Sweep 5.00 | ms (1001 pts) | 1.000000 MHz | |
| Marker Table | | | | | Auto | |
| Mode Trace Scale 1 Δ2 1 t | | | Function Width Fun | ction Value | Man | |
| 2 F 1 t | (Δ) 385.0 µs 585.0 µs | 7.729 dBm | | | Freq Offset | |
| 3 <u>∆</u> 4 1 t 4 F 1 t | (Δ) 1.250 ms 585.0 µs | Δ.0.002205 dB 7.729 dBm | | | 0 Hz | |
| 5 | | | | | X Axis Scale | |
| 6 | | | | | Lin | |
| 1 h c 1 | ? Feb 04, 2023 2:26:10 PM | ЪЛ | | -X | Signal Track | |
| | | | | | (Span Zoom) | U |
| | Dwell Ti | ime_8DPSK_3 | M_DH3_2 | 441MF | z | |
| pectrum Analyzer 1 | + | | | | Frequency | |
| wept SA | | #Atten: 30 dB PNO: Fast | Avg Type: Log-Power | | ¥, | |
| EYSIGHT Input: RF Couping DC | Input Z: 50 Ω Corrections: Off | Gate: Off | Avg Type: Log-Power Trig: Free Run | 123456 www.www | Center Frequency | Settings |
| Align: Auto/No | RF Freq Ref: Int (S) | IF Gain: Low Sig Track: Off | | PNNNNN | 2.441000000 GHz | |
| Spectrum V | | | AMkr3 | 2.500 ms | Span | |
| cale/Div 10 dB | | ef Lvi Offset 10.80 dB ef Level 30.00 dBm | Linkio | 0.04 dB | 0.00000000 Hz | |
| .og | | | | | Swept Span Zero Span | |
| 20.0 | | 4 | | | Full Span | |
| 0.00 | | | | _ | | |
| 20.0 | | | | | Start Freq | |
| 30.0 | | | | | 2.441000000 GHz | |
| 40.0 | manue | | | | Stop Freq 2.441000000 GHz | |
| 50.0 | | | | | 2.44100000 GHz | |
| enter 2.441000000 GHz | | #Video BW 3.0 MHz | | Span 0 Hz | AUTO TUNE | |
| es BW 1.0 MHz | | #VIDEO BVV 3.0 MHZ | Sweep 10.0 | ms (1001 pts) | CF Step | |
| Marker Table v | | | | | 1.000000 MHz | |
| Mode Trace Scale | e X | Y Function | Function Width Fun | ction Value | Auto Man | |
| 1 Δ2 1 t | (Δ) 1.640 ms | (Δ) 1.514 dB | anoson mast i an | | Freq Offset | |
| 2 F 1 t 3 Δ4 1 t | 930.0 μs (Δ) 2.500 ms | 7.172 dBm Δ) 0.04483 dB | | | 0 Hz | |
| 4 F 1 t | 930.0 µs | 7.172 dBm | | | X Axis Scale | |
| 6 | | | | | Log Lin | |
| | 7 Feb 04, 2023 | ~ ^ | | | | |
| 1 n n 1 | ? Feb 04, 2023 2:27:04 PM | | .# 😽 | \mathbb{R} | Signal Track (Span Zoom) | |
| | Dwoll Ti | ime_8DPSK_3 | | //1N/L | 17 | |
| | | IIIE_ODF SK_3 | | 44 1 1011 | | |
| pectrum Analyzer 1 vept SA | + | | | | Frequency | • • • |
| EYSIGHT Input: RF | Input Z: 50 Q | #Atten: 30 dB PNO: Fast | Avg Type: Log-Power | 1 2 3 4 5 6 | Center Frequency | Cattings |
| Coupling DC Align: Auto/No | Corrections: Off Freq Ref: Int (S) | Gate: Off IF Gain: Low | Trig: Free Run | W WW WW W | 2.441000000 GHz | Settings |
| a | | Sig Track: Off | | PNNNNN | Span | |
| Spectrum v | | ef Lvi Offset 10.80 dB | ΔMkr3 | 3.750 ms | 0.00000000 Hz | |
| cale/Div 10 dB | R | ef Level 30.00 dBm | | 0.01 dB | Swept Span | |
| 00 | | ∆1∆2 <mark>,3∆</mark> 4 | | | Zero Span | |
| 20.0 | X | <u>∧1∆,4</u> 3 <u>∆</u> 4 | 7) (********* | | Full Span | |
| 20.0 | Y¥4 | | | + | Start Freq | |
| 20.0 | | | | | 2.441000000 GHz | |
| 20.0 10.0 10.0 20.0 | | | | | Stop Freq | |
| | | | a salke | | | |
| | | yeng dik. | W. COM | lifered by | 2.441000000 GHz | |
| 200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | begenhad | | AUTO TUNE | |
| 20 0 10 0 10 0 20 0 | | www.kik #Video BW 3.0 MHz | | Span 0 Hz | AUTO TUNE | |
| 200 200 200 200 200 200 200 200 200 200 | | | | | AUTO TUNE CF Step | |
| 200 200 200 200 200 200 200 200 200 200 | | #Video BW 3.0 MHz | Sweep 15.0 | Span 0 Hz | AUTO TUNE | |
| 50.0 Eenter 2.441000000 GHz tes BW 1.0 MHz 5 Marker Table • Mode Trace Scale | e X | #Video BW 3.0 MHz | Sweep 15.0 | Span 0 Hz | AUTO TUNE CF Step 1.000000 MHz | |
| 000 | e X (Δ) 2.895 ms 3.720 ms | #Video BW 3.0 MHz Y Function (a) -1.282 dB 7.724 dBm | Sweep 15.0 | Span 0 Hz ms (1001 pts) | AUTO TUNE CF Step 1.000000 MHz Auto Man Freq Offset | |
| Mode | e X (Δ) 2.896 ms 3.720 ms (Δ) 3.750 ms | ¥Video BW 3.0 MHz Υ Function (Δ) -1.282 dB 7.724 dBm Δ0.006614 dB | Sweep 15.0 | Span 0 Hz ms (1001 pts) | AUTO TUNE CF Step 1.000000 MHz Auto Man Freq Offset 0 Hz | |
| 000 000 000 000 000 000 000 000 | e X (Δ) 2.895 ms 3.720 ms | #Video BW 3.0 MHz Y Function (a) -1.282 dB 7.724 dBm | Sweep 15.0 | Span 0 Hz ms (1001 pts) | AUTO TUNE CF Step 1.000000 MHz Auto Man Freq Offset 0 Hz X Axis Scale | |
| 000 0 000 | e X (Δ) 2.896 ms 3.720 ms (Δ) 3.750 ms | ¥Video BW 3.0 MHz Υ Function (Δ) -1.282 dB 7.724 dBm Δ0.006614 dB | Sweep 15.0 | Span 0 Hz ms (1001 pts) | AUTO TUNE CF Step 1.000000 MHz Auto Man Freq Offset 0 Hz | |

t (886-2) 2299-3279

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

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

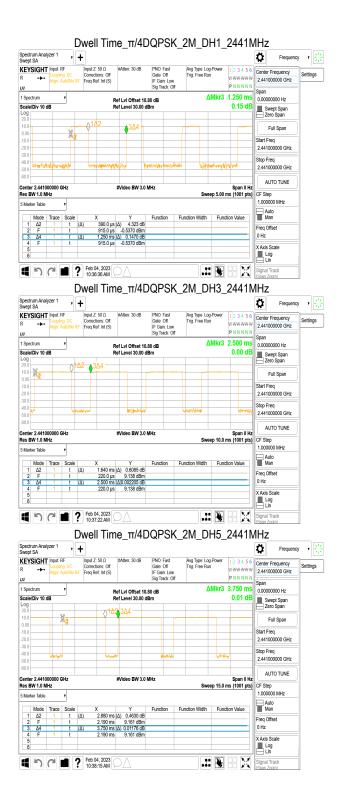
```
www.sgs.com.tw
```

Report No.: TERF2211002511E2 Page: 159 of 161



Ant1





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

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

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

f (886-2) 2298-0488



| Spectrum Analy | /zer 1 | Dwell Ti + | _ | _ | _ | _ | | Ö | Frequency | • | P |
|--|----------------------------------|--|--|--------------------------------|---------------------------------|-----------|----------------------------|-------------------------|-----------------|--------|-----|
| Swept SA | Input: RF | - Input Ζ: 50 Ω | #Atten: 30 dB | PNO: Fast | Avg Type: Log | | 123456 | Center Fr | equency | | Ľ |
| ۰ ۰ | Coupling: DC Align: Auto/No R | F Freq Ref: Int (S) | | Gate: Off IF Gain: Low | Trig: Free Run | | W WW WW W | 2.441000 | | Settin | igs |
| ya Lo i | | | | Sig Track: Off | . | | P N N N N N | Span | | | |
| I Spectrum Scale/Div 10 d | r B | Re | ef Lvi Offset 10. ef Level 30.00 d | 80 dB Bm | Δ | мкгз | 1.250 ms 0.01 dB | 0.000000 | | | |
| _0g | | | | | | | 0.01 00 | Swej | st Span Span | | |
| 10.0 | | Xa 142 | 3Δ | 4 | | | | Ful | l Span | | |
| 0.00 | | * | | | | | | Start Free | | | |
| 20.0 | | | | | | | | 2.441000 | | | |
| 30.0 | | | | | | | | Stop Freq | | | |
| 50.0 | (Markalang) | el breyter | -Manan- | line alter the a | (Andre 1 | 1849man | 4747799444 | 2.441000 | 000 GHz | | |
| 60.0 Center 2.44100 | | | #Video BW 3.0 | | | | | AUT | O TUNE | | |
| enter 2.44100 es BW 1.0 Mi | | | #VIDEO BVV 3.0 | MHZ | Swee | эр 5.00 m | Span 0 Hz ns (1001 pts) | CF Step | | | |
| Marker Table | • | | | | | | | 1.000000 | MHz | | |
| | Trace Scale | Х | Y | Function F | unction Width | Funct | ion Value | Auto Man | | | |
| 1 Δ2 2 F | 1 t 1 t | (Δ) 385.0 µs (1.160 ms | Δ) -2.249 dB 9.164 dBm | | | | | Freq Offs | et | | |
| 3 Δ4 4 F | 1 1 | (Δ) 1.250 ms (1.160 ms | ∆0.006614 dB 9.164 dBm | | | - | | 0 Hz | | | |
| 5 | · · | 1.100 113 | 0.104 0.011 | | | | | X Axis Sc Log | ale | | |
| 6 | | | | 1 | | | | Lin | | | |
| 1 | ് 🔳 🕯 | Feb 04, 2023 10:39:08 AM | DΔ | | | | | Signal Tra (Span Zoo | uck m) | | |
| | | Dwell Ti | mo 0r | י אסמו | | າເ | | | | | |
| | | | IIIE_OL | n.ov_0 | | 24_ر | | | | | |
| pectrum Analy wept SA | 1 | + | | | | | | Q | Frequency | ' | E |
| EYSIGHT | Input: RF Coupling: DC | Input Z: 50 Ω Corrections: Off | #Atten: 30 dB | PNO: Fast Gate: Off | Avg Type: Log Trig: Free Run | | 123456 | Center Fr | | Settin | ngs |
| t +→- N | Align: Auto/No R | F Freq Ref: Int (S) | | IF Gain: Low Sig Track: Off | | | WWWWWW PNNNNN | 2.441000 | 000 GHz | | - |
| Spectrum | , | - | 41.407.111 | | ^ | | 2.500 ms | Span 0.000000 | 00 Hz | | |
| icale/Div 10 d | | Re | ef Lvi Offset 10. ef Level 30.00 d | ອບ dB Bm | | | 0.06 dB | Swei | ot Span | | |
| .og | | 440 | 3Δ4 | | | | | Zero | Span | | |
| 10.0 | X2 | Y 🕴 | 5614 | | | | | Ful | l Span | | |
| 0.00 | *** | | | | | _ | | Start Free | | | |
| 20.0 | + | | | | | | | 2.441000 | | | |
| 30.0 40.0 | HINH' | للمجراللاسامر | | andread | | 4.1444 | | Stop Freq | | | |
| 50.0 | | | | A LOOP COM | | s e dest | | 2.441000 | UUU GHZ | | |
| enter 2.44100 | 00000 GHz | | #Video BW 3.0 | MHz | | | Span 0 Hz | | O TUNE | | |
| es BW 1.0 Mi | Hz | | | | Swee | ep 10.0 m | ns (1001 pts) | CF Step 1.000000 | | | |
| 5 Marker Table | • | | | | | | | 1.000000 | nifiz | | |
| Mode 1 Δ2 | Trace Scale | X (A) 1.640 ms (| Υ Δ) 2.919 dB | Function F | unction Width | Functi | ion Value | Man 🖉 | | | |
| 2 F | 1 t | (Δ) 1.640 ms (1.290 ms | 7.220 dBm | | | | | Freq Offs 0 Hz | st | | |
| 3 <u>∆</u> 4 4 F | 1 t 1 t | (Δ) 2.500 ms (1.290 ms | Δ) 0.06320 dB 7.220 dBm | | | <u> </u> | | X Axis Sc | | | |
| 5 6 | | | | | | | | Log | 3/6 | | |
| | | Feb 04, 2023 | | | | | | | alı | | |
| u ") | C 🔳 🕯 | 10:40:00 AM | <u>אר</u> | | | ۲ | X | Signal Tra (Span Zoo | nan m) | J | |
| | | Dwell Ti | me 8D | PSK 3 | | 5 24 | 41MF | Ιz | | | |
| ipectrum Analy | /zer 1 | + | | v | | | | ð | Frequency | | E |
| wept SA | . IL | | #Atten: 30 dB | PNO: Fast | Avg Type: Log | Power | 123456 | | | · | Ľ |
| .∈15iGH1 | Coupling: DC Align: Auto/No R | Corrections: Off | | Gate: Off IF Gain: Low | Trig: Free Run | | 123456 WWWWW | Center Fr 2.441000 | | Settin | ıgs |
| N | - age: satored R | | | Sig Track: Off | | | PNNNN | Span | | | |
| Spectrum | , | | ef Lvi Offset 10. | | Δ | Mkr3 | 3.750 ms | 0.000000 | 00 Hz | | |
| icale/Div 10 d | B | Re | ef Level 30.00 d | Bm | 1 | | -0.01 dB | Swe Zero | ot Span Span | | |
| 20.0 | w | (| 1 <u>∆2</u> ,3∆4 - | | | | | | | | |
| 0.00 | - | 2 | | | | | | | l Span | | |
| 10.0 | | | | | | | | Start Free 2.441000 | | | |
| 30.0 | + $+$ $+$ $+$ | | | | 1 | | | Stop Free | | | |
| | april (1) | | harper | l, Ji | w | | WAYNA | 2.441000 | | | |
| 40.0 | + | | | | | | | AUT | O TUNE | | |
| 40.0 | | | #Video BW 3.0 | MHz | | an 15 0 - | Span 0 Hz | | STUNE | | |
| 40.0 50.0 60.0 | | | | | SWei | ην 15.0 m | ns (1001 pts) | CF Step 1.000000 |) MHz | | |
| 40.0 50.0 60.0 Center 2.44100 tes BW 1.0 Mi | Hz | | | | | | | Auto | | | |
| 40.0 50.0 60.0 Center 2.44100 tes BW 1.0 Mil 5 Marker Table | Hz | | | - | | | | | | | |
| 40.0 50.0 center 2.44100 tes BW 1.0 Mil 5 Marker Table Mode 1 Δ2 | Hz Trace Scale | X (Δ) 2.880 ms (| Υ Δ) 0.5439 dB | Function F | unction Width | Funct | ion Value | Man | | | |
| 40.0 50.0 center 2.44100 tes BW 1.0 Mil 5 Marker Table Mode 1 Δ2 2 F | Hz Trace Scale | (Δ) 2.880 ms (3.000 ms | Δ) 0.5439 dB 9.158 dBm | Function F | unction Width | Funct | ion Value | Freq Offs 0 Hz | et | | |
| 40.0 50.0 | Hz Trace Scale | (Δ) 2.880 ms (3.000 ms | Δ) 0.5439 dB | Function F | unction Width | Funct | ion Value | Freq Offs 0 Hz | | | |
| 40.0 50.0 eenter 2.44100 ees BW 1.0 Mi Marker Table Mode 1 Δ2 2 F 3 Δ4 | Hz Trace Scale | (Δ) 2.880 ms (3.000 ms (Δ) 3.750 ms (| Δ) 0.5439 dB 9.158 dBm Δ)-0.01176 dB | Function F | unction Width | Funct | ion Value | Freq Offs | | | |

t (886-2) 2299-3279

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

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

www.sgs.com.tw



15 ANTENNA REQUIREMENT

15.1 Standard Applicable

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§ 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

15.2 Antenna Connected Construction

The antenna complies with this requirement and no consideration of replacement. Please see EUT photo for details.

~ End of Report ~

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

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

t (886-2) 2299-3279

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