



와이솔



Sigfox Verified (P1) Certification Number 1st page of Test Result

27th , May, 2019

WSSFM10R1AT



SIGFOX RF MODEM QUALIFICATION

REF: CERTIF-120_RCZ1_DL
QUALIFICATION: M_0042_FDF8_01
DATE: 02/08/2017

SIGFOX RF MODEM QUALIFICATION

WISOL

REF DESIGN : V1
FIRMWARE: V1.1.2
SIGFOX LIB: 1.8.7



| | | | |
|--|----------|---|------------|
| | | NAME | DATE |
| | AUTHOR | CELINE ROCHE | 01/24/2017 |
| | REVIEW | STEVE HAMARD | 01/24/2017 |
| | APPROVAL | APPROVED OUTPUT POWER MEASURED: 13.6 dBm RX SENSITIVITY: -126.00 dBm | 02/08/2017 |

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WSSFM10R2AT



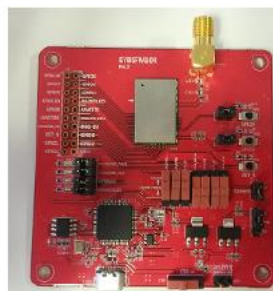
SIGFOX RF MODEM QUALIFICATION

REF: CERTIF-96_RCZ2_DL
QUALIFICATION: M_0042_3F16_01
DATE: 12/08/2016

SIGFOX RF MODEM QUALIFICATION

WISOL

REF DESIGN : V3
FIRMWARE: V1.1.2
SIGFOX LIB: 1.8.7



| | | | |
|---|----------|---|------------|
|  | | NAME | DATE |
| | AUTHOR | CELINE ROCHE | 12/08/2016 |
| | REVIEW | STEVE HAMARD | 12/08/2016 |
| | APPROVAL | APPROVED OUTPUT POWER MEASURED: 21.20 dBm RX SENSITIVITY: -127 dBm | 12/08/2016 |

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WSSFM10R3AT



SIGFOX RF MODEM QUALIFICATION


REF: CORP-3931_RCZ3A_UDL
QUALIFICATION: M_0042_9D8D_01
DATE: 04/20/2017

SIGFOX RF MODEM QUALIFICATION

WISOL

REF DESIGN : 0.2
FIRMWARE: AX-SigFox 1.1.0-RCZ3
SIGFOX Lib: 1.8.9



|  | NAME | | DATE |
|---|----------|--|------------|
| | AUTHOR | CELINE ROCHE | 04/14/17 |
| | REVIEW | STEVE HAMARD | 04/20/17 |
| | APPROVAL | APPROVED OUTPUT POWER MEASURED: 12.6 dBm RX SENSITIVITY: -125 dBm | 04/20/2017 |

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SFM11R3



Sigfox Verified™ Certificate

M_0042_9D8D_01

Congratulations WISOL, the following product is now Sigfox Verified™ certified :




MODULAR DESIGN : SFM11R3 : SFM11R3000
TYPE : RC3C UPLINK AND DOWNLINK
LAYOUT : 0.62
SCHEMATIC VERSION : 0.2
BOM : 0.2
FIRMWARE : AX-SIGFOX 1.1.0-RCZ3
SIGFOX LIB : UDL1-1.8.9, NO ADDON
TEST REPORT : CORP-15516
CERTIFICATION DATE : JANUARY 28, 2019

This certificate is valid for this product only. Any change to the certified product has to be reported to Sigfox as it may lead to a renewal of the Sigfox RF & Protocol Tests.
The Sigfox Verified™ logo must be used in respect of Sigfox branding guidelines.



WSSFM10R4AT

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|---|-------------------------------|--|-------------------------------|
|  | SIGFOX RF MODEM QUALIFICATION | | REF: CERTIF-119_RCZ4_DL |
| | | | QUALIFICATION: M_0042_6128_01 |
| | | | DATE: 12/09/2016 |

SIGFOX RF MODEM QUALIFICATION

WISOL

REF DESIGN : V2
FIRMWARE: V1.1.2
SIGFOX LIB: 1.8.7



| | | | |
|---|----------|--|------------|
|  | | NAME | DATE |
| | AUTHOR | CELINE ROCHE | 12/09/2016 |
| | REVIEW | STEVE HAMARD | 12/09/2016 |
| | APPROVAL | APPROVED OUTPUT POWER MEASURED: 23 dBm RX SENSITIVITY: -127 dBm | 12/09/2016 |

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WSSFM11R2DAT


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|---|-------------------------------|-------------------------------|
|  | SIGFOX RF MODEM QUALIFICATION | REF: CORP-5236_RCZ2_UDL |
| | | QUALIFICATION: M_0042_EC1A_01 |
| | | DATE: 06/01/2017 |


SIGFOX RF MODEM QUALIFICATION

WISOL

MODULE :WSSFM11R2D: SFM11R2D Rev 0.2
FIRMWARE: AX-SIGFOX 1.1.2-FCC
SIGFOX LIB: 1.8.7



| | | | |
|---|----------|---|------------|
|  | | NAME | DATE |
| | AUTHOR | CELINE ROCHE | 05/24/2017 |
| | REVIEW | STEVE HAMARD | 05/29/2017 |
| | APPROVAL | APPROVED OUTPUT POWER MEASURED: 21.8dBm RX SENSITIVITY: -127dBm | 06/01/2017 |

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|---|-------------------------------|-------------------------------|
|  | SIGFOX RF MODEM QUALIFICATION | REF: CORP-4615_RCZ4_UDL |
| | | QUALIFICATION: M_0042_EC1A_01 |
| | | DATE: 06/01/2017 |

SIGFOX RF MODEM QUALIFICATION


WISOL

MODULE :WSSFM11R2D: SFM11R2D Rev 0.2
FIRMWARE: AX-SIGFOX 1.1.2-FCC
SIGFOX LIB: 1.8.7



| | | | |
|--|----------|--|------------|
|  | | NAME | DATE |
| | AUTHOR | CELINE ROCHE | 05/24/2017 |
| | REVIEW | STEVE HAMARD | 06/01/2017 |
| | APPROVAL | APPROVED OUTPUT POWER MEASURED: 21.8dBm RX SENSITIVITY: -127 dBm | 06/01/2017 |

WSSFM20R1AT & WSSFM60R1AT (Same Number)

| | | | |
|---|-------------------------------|--|-------------------------------|
|  | SIGFOX RF MODEM QUALIFICATION | | REF: CORP-3559_RCZ1_UDL |
| | | | QUALIFICATION: M_0042_FDF8_01 |
| | | | DATE: 03/27/2017 |

SIGFOX RF MODEM QUALIFICATION

WISOL

REF DESIGN : 1.0 EVB VERSION
FIRMWARE: AX-SIGFOX 1.1.2-ETSI
SIGFOX LIB: 1.8.7



| | | | |
|---|----------|--|------------|
|  | | NAME | DATE |
| | AUTHOR | CELINE ROCHE | 03/24/2017 |
| | REVIEW | STEVE HAMARD | 03/24/2017 |
| | APPROVAL | APPROVED OUTPUT POWER MEASURED: 12 dBm RX SENSITIVITY: -125 dBm | 03/27/2017 |

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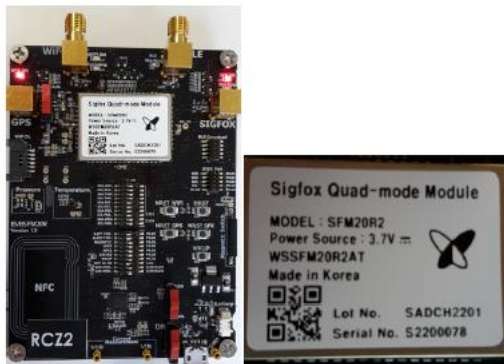
WSSFM20R2AT & WSSFM60R2AT (Same Number)


| | | |
|---|-------------------------------|-------------------------------|
|  | SIGFOX RF MODEM QUALIFICATION | REF: CORP-3560_RCZ2_UDL |
| | | QUALIFICATION: M_0042_3F16_01 |
| | | DATE: 03/30/2017 |

SIGFOX RF MODEM QUALIFICATION

WISOL

REF DESIGN : 1.0 EVB VERSION
FIRMWARE: AX-SIGFOX 1.1.2-FCC
SIGFOX LIB: 1.8.7



| | | | |
|---|----------|--|------------|
|  | | NAME | DATE |
| | AUTHOR | CELINE ROCHE | 03/24/2017 |
| | REVIEW | STEVE HAMARD | 03/24/2017 |
| | APPROVAL | APPROVED OUTPUT POWER MEASURED: 21 dBm RX SENSITIVITY: -127 dBm | 03/30/2017 |

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WSSFM20R3AT & WSSFM60R3AT (Same Number)


| | | |
|---|-------------------------------|-------------------------------|
|  | SIGFOX RF MODEM QUALIFICATION | REF: CORP-4616_RC3A_UDL |
| | | QUALIFICATION: M_0042_9D8D_01 |
| | | DATE: 06/01/2017 |

SIGFOX RF MODEM QUALIFICATION

WISOL


REF DESIGN :WSSFM20R3: REV 1.0
FIRMWARE: AX-SIGFOX 1.1.0-RCZ3
SIGFOX LIB: 1.8.9



| | | | |
|---|----------|--|------------|
|  | | NAME | DATE |
| | AUTHOR | CELINE ROCHE | 05/23/2017 |
| | REVIEW | STEVE HAMARD | 05/23/2017 |
| | APPROVAL | APPROVED OUTPUT POWER MEASURED: 13.3 dBm RX SENSITIVITY: -126 dBm | 06/01/2017 |

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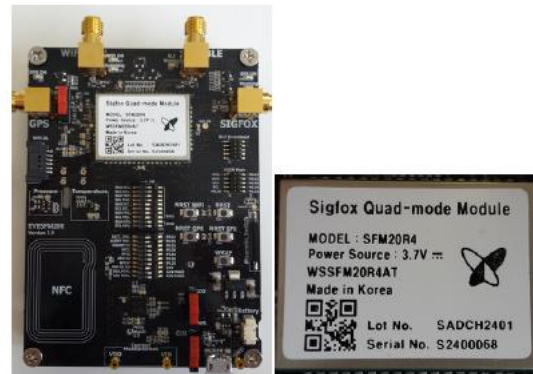
WSSFM20R4AT & WSSFM60R4AT (Same Number)

| | | |
|---|-------------------------------|-------------------------------|
|  | SIGFOX RF MODEM QUALIFICATION | REF: CORP-3564_RCZ4_UDL |
| | | QUALIFICATION: M_0042_6128_01 |
| | | DATE: 03/30/2017 |

SIGFOX RF MODEM QUALIFICATION

WISOL

REF DESIGN : 1.0 EVB VERSION
FIRMWARE: V1.1.2
SIGFOX LIB: 1.8.7



| | | | |
|---|----------|--|------------|
|  | | NAME | DATE |
| | AUTHOR | CELINE ROCHE | 03/29/2017 |
| | REVIEW | STEVE HAMARD | 03/29/2017 |
| | APPROVAL | APPROVED OUTPUT POWER MEASURED: 21 dBm RX SENSITIVITY: -127 dBm | 03/30/2017 |

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Thanks