



RADIO TEST REPORT

Equipment : 11ax RTL8852CE Combo module
Brand Name : REALTEK
Model Name : RTL8852CE
Applicant : Realtek Semiconductor Corp.
No. 2, Innovation Road II, Hsinchu Science Park,
Hsinchu 300, Taiwan
Manufacturer : Realtek Semiconductor Corp.
No. 2, Innovation Road II, Hsinchu Science Park,
Hsinchu 300, Taiwan
Standard : MIC Certification Rule, Article 2 Paragraph 1 Item 19

We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in MIC Notice No.88 Appendix No.43 and shown compliance with the applicable MIC Ordinance Regulating Radio Equipment Article 49.20 technical standards.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.



Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory
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Table of Contents

| | |
|------------------------------------|----------|
| History of this test report..... | 3 |
| Summary of Test Result..... | 4 |
| 1 General Description | 5 |
| 1.1 Information..... | 5 |
| 1.2 Applicable Standards | 8 |
| 1.3 Accessories | 8 |
| 1.4 Table for Slight Change..... | 8 |
| Appendix A. Antenna List | |
| Photographs of EUT v01 | |



History of this test report

TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-D2_8 Ver1.1

Page Number : 3 of 8
Issued Date : Apr. 24, 2023
Report Version : 01



Summary of Test Result

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen

Report Producer: Sandy Chuang



1 General Description

1.1 Information

1.1.1 RF General Information

| Frequency Range (MHz) | IEEE Std. 802.11 | Ch. Frequency (MHz) | Channel Number |
|-----------------------|--------------------------------------|---------------------|----------------|
| 2400-2483.5 | b, g, n (HT20), VHT20, ax (HEW20) | 2412-2472 | 1-13 [13] |
| 2400-2483.5 | n (HT40), VHT40, ax (HEW40) | 2422-2462 | 3-11 [9] |

| Band | Mode | BWch (MHz) | Nant |
|---------------|----------------|------------|---------|
| 2.4-2.4835GHz | 802.11b | 20 | 1TX/2TX |
| 2.4-2.4835GHz | 802.11g | 20 | 1TX/2TX |
| 2.4-2.4835GHz | 802.11n HT20 | 20 | 1TX/2TX |
| 2.4-2.4835GHz | VHT20 | 20 | 1TX/2TX |
| 2.4-2.4835GHz | 802.11ax HEW20 | 20 | 1TX/2TX |
| 2.4-2.4835GHz | 802.11n HT40 | 40 | 1TX/2TX |
| 2.4-2.4835GHz | VHT40 | 40 | 1TX/2TX |
| 2.4-2.4835GHz | 802.11ax HEW40 | 40 | 1TX/2TX |

Note:

- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.

**1.1.2 Antenna Information**

| Ant. | Port | | Brand | Model Name | Antenna Type | Connector | Gain (dBi) |
|------|------------------------------------|-----------|-----------|----------------------|--------------|-----------|------------|
| | WLAN 2.4GHz / 5GHz / 6GHz | Bluetooth | | | | | |
| 1 | 1/2 | 1 | ARISTOTLE | RFA-27-JP378-4B-200 | Monopole | I-PEX | Note 1 |
| 2 | 1/2 | 1 | ARISTOTLE | RFA-27-JP326-MHF4300 | PIFA | I-PEX | |
| 3 | 1/2 | 1 | ARISTOTLE | RFA-27-C38H1-MHF4300 | Dipole | I-PEX | |

Note 1

| Ant. | Port | | Gain (dBi) | | | |
|------|---------------------------------|-----------|----------------|--------------------------|---------------------|-----------|
| | WLAN 2.4GHz / 5GHz / 6GHz | Bluetooth | WLAN 2.4GHz | WLAN 5GHz UNII~UNII2C | WLAN 6GHz UNII 5 | Bluetooth |
| 1 | 1/2 | 1 | 3.38 | 4.86 | 4.86 | 3.38 |
| 2 | 1/2 | 1 | 3.50 | 5.00 | 5.00 | 3.50 |
| 3 | 1/2 | 1 | 3.00 | 5.00 | 5.00 | 3.00 |

Note 2: The above information was declared by manufacturer.

Note 3: Only the highest gain antenna (antenna 2) was selected to test and record in this report.

Note 4: For more antenna information, refer to Appendix A. Antenna List.

<For WLAN 2.4GHz function>**For IEEE 802.11b/g/n/VHT/ax (1TX/2RX):**

The EUT supports the antenna with TX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The Port 2 generated the worst case, so it was selected to test and record in the report.

Port 1 and Port 2 could receive simultaneously

For IEEE 802.11b/g/n/VHT/ax (2TX/2RX):

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<For WLAN 5GHz function>**For IEEE 802.11a/n/ac/ax (1TX/2RX):**

The EUT supports the antenna with TX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The Port 2 generated the worst case, so it was selected to test and record in the report.

Port 1 and Port 2 could receive simultaneously

For IEEE 802.11a/n/ac/ax (2TX/2RX):

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<For WLAN 6GHz function>**For IEEE 802.11ax (1TX/2RX):**

The EUT supports the antenna with TX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The Port 1 generated the worst case, so it was selected to test and record in the report.



Port 1 and Port 2 could receive simultaneously

For IEEE 802.11a/n/ac/ax (2TX/2RX):

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<For Bluetooth function> (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

1.1.3 EUT Information

| | |
|-----------------------|------------------|
| EUT Power Type | From host system |
|-----------------------|------------------|



1.2 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ MIC Ordinance Regulating Radio Equipment Article 49.20
- ♦ MIC Notice No.88 Appendix No.43

1.3 Accessories

N/A

1.4 Table for Slight Change

This product is an extension of original one reported under Sporton project number: JR1N0223-20AA

Below is the illustration for the change of the product with respect to the original one.

| Detail Report No. | Gist | Modifications |
|------------------------------|--|---|
| JR1N0223-25AA | The total antennas amounted to 184 sets. | There is no hardware or electrical modification made to the applying modular transmitter itself. Adding 15 sets of PIFA antenna and 2 set of dipole antenna with lower gain than the original report and it is not necessary to verify for test. Please refer to Appendix A for detailed antenna information. |

Table for Filed Antenna

| No. | Brand | Ant. Type | Con. Type | Peak Gain (dBi) | | | Model No. |
|-----|-----------|-----------|-----------|--------------------------|-------------------------|-------------------------|--------------------------------------|
| | | | | 2.4GHz | 5GHz | 6GHz | |
| 1 | ARISTOTLE | Monopole | IPEX | 3.38 | 4.86 | 4.86 | RFA-27-JP378-4B-200 |
| 2 | ARISTOTLE | PIFA | IPEX | 3.50 | 5.00 | 5.00 | RFA-27-JP326-MHF4300 |
| 3 | ARISTOTLE | Dipole | IPEX | 3.00 | 5.00 | 5.00 | RFA-27-C38H1-MHF4300 |
| 4 | HongBo | PIFA | IPEX | TX1: 3 TX2: 2.6 | TX1: 4.98 TX2: 4 | TX1: 4.71 TX2: 3.2 | 260-28185 260-28184 |
| 5 | HongBo | PIFA | IPEX | TX1: 2.76 TX2: 2.58 | TX1: 4.12 TX2: 3.02 | TX1: 4.07 TX2: 3.07 | 260-28200 260-28201 |
| 6 | HONG-BO | PIFA | IPEX | TX1: 1.19 TX2: -0.81 | TX1: 2.45 TX2: 0.67 | TX1: 2.87 TX2: 2.88 | 6036B0316501 6036B0316601 |
| 7 | WNC | PIFA | IPEX | TX1: -0.62 TX2: -0.05 | TX1: 0.1 TX2: -1.33 | TX1: 0.17 TX2: -1.57 | 6036B316201 6036B0315801 |
| 8 | High-Tek | PIFA | IPEX | TX1: 2.37 TX2: 1.03 | TX1: 2.94 TX2: 2.95 | TX1: 2.55 TX2: 2.62 | 219HCTN12198 219HCTN12197 |
| 9 | WNC | PIFA | IPEX | TX1: 1.84 TX2: 0.47 | TX1: 2.17 TX2: 2.84 | TX1: 2.98 TX2: 2.75 | 48EABP01.SGCLOC 48EABP02.SGCLOC |
| 10 | High-Tek | PIFA | IPEX | TX1: 0.80 TX2: 1.84 | TX1: 2.68 TX2: 2.86 | TX1: 2.81 TX2: 2.90 | 219HCTN12198 219HCTN12197 |
| 11 | WNC | PIFA | IPEX | TX1: -1.59 TX2: -0.54 | TX1: 2.84 TX2: 1.11 | TX1: 2.91 TX2: 2.1 | 48EABP01.SGCLOC 48EABP02.SGCLOC |
| 12 | AWAN | PIFA | IPEX | TX1: 2.45 TX2: 1.95 | TX1: 2.34 TX2: 1.99 | TX1: 2.53 TX2: 2.16 | AYP6Y-200053 AYP6Y-200053 |
| 13 | INPAQ | PIFA | IPEX | TX1: 2.31 TX2: 2.01 | TX1: 2.21 TX2: 1.75 | TX1: 2.75 TX2: 2.08 | WA-P-LELE-04-024 WA-P-LELE-04-024 |
| 14 | HONG-BO | PIFA | IPEX | TX1: 0.94 TX2: 1.79 | TX1: 2.52 TX2: 1.04 | TX1: 2.00 TX2: 1.08 | 6036B0316701 6036B0316701 |
| 15 | WNC | PIFA | IPEX | TX1: 1.68 TX2: 1.74 | TX1: 1.85 TX2: 1.16 | TX1: 2.44 TX2: 1.11 | 6036B0315601 6036B0315601 |
| 16 | HONG-BO | PIFA | IPEX | TX1: 0.47 TX2: -0.62 | TX1: 2.39 TX2: -0.13 | TX1: 1.47 TX2: 1.81 | 6036B0316701 6036B0316701 |
| 17 | WNC | PIFA | IPEX | TX1: 2.16 TX2: 0.79 | TX1: 2.19 TX2: 2.37 | TX1: 2.4 TX2: 0.96 | 6036B0315601 6036B0315601 |
| 18 | INPAQ | PIFA | IPEX | TX1: 1.73 TX2: 1.63 | TX1: 2.37 TX2: 2.41 | TX1: 2.42 TX2: 2.12 | DQ6WAPLEL05 DQ6WAPLEL05 |
| 19 | INPAQ | PIFA | IPEX | TX1: 1.73 TX2: 1.63 | TX1: 2.37 TX2: 2.41 | TX1: 2.42 TX2: 2.12 | DQ6WAPLEL04 DQ6WAPLEL04 |
| 20 | WNC | PIFA | IPEX | TX1: 2.31 TX2: 1.77 | TX1: 1.28 TX2: 1.66 | TX1: 1.34 TX2: 2.41 | DQ6D15G7100 DQ6D15G7100 |
| 21 | WNC | PIFA | IPEX | TX1: 2.31 TX2: 1.77 | TX1: 1.28 TX2: 1.66 | TX1: 1.34 TX2: 2.41 | DQ6D15G9100 DQ6D15G9100 |
| 22 | High-Tek | PIFA | IPEX | TX1: 2.96 TX2: 1.23 | TX1: 1.23 TX2: 0.58 | TX1: 1.96 TX2: 1.94 | 0ACQD022032N 0ACQD022032N |
| 23 | Pulse | PIFA | IPEX | TX1: 2.93 TX2: 2.37 | TX1: 2.24 TX2: 0.32 | TX1: 2.18 TX2: -0.20 | TQ23700 TQ23700 |
| 24 | High-Tek | PIFA | IPEX | TX1: 1.51 TX2: -0.32 | TX1: 2.92 TX2: 2.90 | TX1: 2.94 TX2: 2.98 | DC33002O500 DC33002O510 |
| 25 | High-Tek | PIFA | IPEX | TX1: 2.23 TX2: -0.02 | TX1: 2.91 TX2: 2.98 | TX1: 2.87 TX2: 2.86 | DC33002O100 DC33002O100 |

| | | | | | | | |
|----|---------------------------------------|------|------|--------------------------|-------------------------|------------------------|--|
| 26 | High-Tek | PIFA | IPEX | TX1: -1.50 TX2: -0.62 | TX1: -0.39 TX2: 0.24 | TX1: 0.62 TX2: 2.89 | DC33002O300 DC33002O310 |
| 27 | High-Tek | PIFA | IPEX | TX1: -1.00 TX2: -1.09 | TX1: 0.16 TX2: 0.63 | TX1: 2.29 TX2: 1.32 | DC33002O300 DC33002O310 |
| 28 | LUXSHARE HongBo | PIFA | IPEX | TX1: 3 TX2: 2.33 | TX1: 4.87 TX2: 3.88 | TX1: 4.71 TX2: 2.99 | 260-28185 L01RF136-DT-H |
| 29 | Luxshae | PIFA | IPEX | TX1: 2.13 TX2: 2.33 | TX1: 4.36 TX2: 3.88 | TX1: 4.17 TX2: 2.99 | L01RF137-DT-H L01RF136-DT-H |
| 30 | Luxshae-ICT(Main) HongBo(Aux) | PIFA | IPEX | TX1: 2.13 TX2: 2.6 | TX1: 4.36 TX2: 4 | TX1: 4.17 TX2: 3.2 | L01RF137-DT-H 260-28184 |
| 31 | Luxshae-ICT | PIFA | IPEX | TX1: 2.88 TX2: 2.36 | TX1: 3.89 TX2: 4.77 | TX1: 3.93 TX2: 4.69 | L01RF141-DT-H L01RF142-DT-H |
| 32 | LUXSHARE-ICT | PIFA | IPEX | TX1: 2.78 TX2: 2.36 | TX1: 3.55 TX2: 2.82 | TX1: 3.93 TX2: 3.30 | DC33001YL00 DC33001YL10 |
| 33 | Speed Wireless Technical Co., LTD. | PIFA | IPEX | TX1: 2.97 TX2: 2.82 | TX1: 4.87 TX2: 3.31 | TX1: 4.24 TX2: 3.96 | DC33001YJ00 DC33001YJ10 |
| 34 | HONG-BO | PIFA | IPEX | TX1: 0.64 TX2: -1.25 | TX1: 1.47 TX2: 1.48 | TX1:2.31 TX2:-0.16 | 6036B0310101 6036B0310901 |
| 35 | WNC | PIFA | IPEX | TX1: -1.36 TX2: -1.19 | TX1:0.67 TX2:0.24 | TX1:-1.23 TX2:-0.43 | 6036B0306501 6036B0306201 |
| 36 | HONG-BO | PIFA | IPEX | TX1: 0.85 TX2: 0.95 | TX1: 2.52 TX2: 2.2 | TX1:1.97 TX2:2.06 | 6036B0308601 6036B0308701 |
| 37 | WNC | PIFA | IPEX | TX1: -0.90 TX2:-1.81 | TX1: 0.77 TX2: -0.94 | TX1:-0.49 TX2:0.68 | 6036B0306701 6036B0307201 |
| 38 | HONG-BO | PIFA | IPEX | TX1: 2.81 TX2:1.01 | TX1:2.21 TX2:2.5 | TX1:2.9 TX2:1.59 | 6036B0309101 6036B0309201 |
| 39 | WNC | PIFA | IPEX | TX1: 0.35 TX2:-0.53 | TX1: 1.39 TX2: -0.26 | TX1:0.7 TX2:-1.7 | 6036B0307501 6036B0307801 |
| 40 | VSO | PIFA | IPEX | TX1: 2.02 TX2:1.13 | TX1:2.15 TX2: 2.47 | TX1:2.45 TX2:1.70 | 821-101-012-11507 821-101-012-11508 |
| 41 | VSO | PIFA | IPEX | TX1: 2.29 TX2: 2.86 | TX1:2.45 TX2: 1.67 | TX1:2.60 TX2:2.22 | 821-101-012-11505 821-101-012-11506 |
| 42 | HONG-BO | PIFA | IPEX | TX1: 0.26 TX2:0.35 | TX1: 1.04 TX2: 1.88 | TX1:2.38 TX2:2.66 | 6036B0319701 6036B0319601 |
| 43 | HONG-BO | PIFA | IPEX | TX1: -0.98 TX2:-1.05 | TX1:2.15 TX2:1.28 | TX1:1.97 TX2:2.49 | 6036B0319701 6036B0319601 |
| 44 | WNC | PIFA | IPEX | TX1: -1.50 TX2:-1.41 | TX1: 1.56 TX2: -0.49 | TX1:0.35 TX2:0.18 | 6036B0319901 6036B0319801 |
| 45 | WNC | PIFA | IPEX | TX1: -1.56 TX2:-1.42 | TX1: 1.21 TX2: 0.24 | TX1:1.12 TX2:0.37 | 6036B0319901 6036B0319801 |
| 46 | HONG-BO | PIFA | IPEX | TX1: 0.02 TX2:-0.40 | TX1: 2.51 TX2: 2.91 | TX1:2.25 TX2:2.91 | DQ602381200 DQ602381200 |
| 47 | WNC | PIFA | IPEX | TX1: 1.81 TX2:-0.17 | TX1: 2.49 TX2: 1.48 | TX1:2.33 TX2:2.61 | DQ6L15G4401 DQ6L15G4401 |
| 48 | HONG-BO | PIFA | IPEX | TX1: 2.44 TX2:-0.94 | TX1: 2.51 TX2: 2.94 | TX1:2.25 TX2:2.94 | DQ602349201 DQ602349201 |
| 49 | HONG-BO | PIFA | IPEX | TX1: 2.42 TX2:-1.36 | TX1: 2.00 TX2: 2.10 | TX1:2.60 TX2:2.81 | DQ602349101 DQ602349101 |
| 50 | WNC | PIFA | IPEX | TX1: 1.85 TX2:-1.00 | TX1: 2.38 TX2: 2.02 | TX1:2.22 TX2:2.05 | DQ6215G2800 DQ6215G2800 |

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|----|-----------|------|------|--------------------------|------------------------|------------------------|----------------------------|
| 51 | WNC | PIFA | IPEX | TX1:-0.31 TX2:-1.17 | TX1:2.27 TX2: 2.48 | TX1:2.26 TX2:1.61 | DQ6215G2700 DQ6215G2700 |
| 52 | HONG-BO | PIFA | IPEX | TX1: -0.47 TX2:-1.40 | TX1:0.35 TX2: -0.25 | TX1:2.98 TX2:2.55 | DQ602381300 DQ602381300 |
| 53 | WNC | PIFA | IPEX | TX1: -0.75 TX2:-0.71 | TX1: 2.56 TX2: 2.32 | TX1:2.43 TX2:2.97 | DQ6L15G4500 DQ6L15G4500 |
| 54 | HONG-BO | PIFA | IPEX | TX1:0.72 TX2:-0.74 | TX1: 2.04 TX2: 1.78 | TX1:2.80 TX2:1.25 | DQ602348801 DQ602348801 |
| 55 | HONG-BO | PIFA | IPEX | TX1: 2.43 TX2:-0.43 | TX1: 2.09 TX2: 2.80 | TX1:2.99 TX2:2.82 | DQ602348901 DQ602348901 |
| 56 | WNC | PIFA | IPEX | TX1: -1.43 TX2:-1.22 | TX1:0.16 TX2: 0.27 | TX1:2.43 TX2:1.46 | DQ6215G2600 DQ6215G2600 |
| 57 | WNC | PIFA | IPEX | TX1: 0.89 TX2:0.61 | TX1: 1.85 TX2: 0.49 | TX1:1.57 TX2:1.15 | DQ6215G2500 DQ6215G2500 |
| 58 | High-Tek | PIFA | IPEX | TX1: -1.10 TX2:-0.84 | TX1:-1.11 TX2: 0.59 | TX1:2.82 TX2:1.45 | DC33002SS10 DC33002SS10 |
| 59 | High-Tek | PIFA | IPEX | TX1:-0.81 TX2:-1.84 | TX1:1.75 TX2: 1.61 | TX1:2.53 TX2:2.80 | DC33002SS00 DC33002SS00 |
| 60 | High-Tek | PIFA | IPEX | TX1:2.81 TX2:2.63 | TX1: 2.92 TX2: 2.88 | TX1:3.93 TX2:3.80 | DC33002ST10 DC33002ST10 |
| 61 | High-Tek | PIFA | IPEX | TX1: 2.03 TX2:2.14 | TX1: 2.91 TX2: 2.88 | TX1:3.92 TX2:3.85 | DC33002ST00 DC33002ST00 |
| 62 | SOUTHSTAR | PIFA | IPEX | TX1: 1.56 TX2:0.58 | TX1: 2.64 TX2: 1.25 | TX1:1.96 TX2:1.95 | DC33002SU10 DC33002SU10 |
| 63 | SOUTHSTAR | PIFA | IPEX | TX1: 0.24 TX2:-0.24 | TX1: 2.94 TX2: 2.06 | TX1:3.09 TX2:3.27 | DC33002SU00 DC33002SU00 |
| 64 | SOUTHSTAR | PIFA | IPEX | TX1: 0.84 TX2: 2.05 | TX1: 2.84 TX2: 2.10 | TX1: 2.99 TX2: 2.76 | DC33002SV10 DC33002SV10 |
| 65 | SOUTHSTAR | PIFA | IPEX | TX1: 0.24 TX2: -0.90 | TX1: 2.95 TX2: 2.98 | TX1: 2.65 TX2: 2.81 | DC33002SV00 DC33002SV00 |
| 66 | SOUTHSTAR | PIFA | IPEX | TX1: 1.66 TX2: 1.61 | TX1: 2.68 TX2: 2.47 | TX1: 2.47 TX2: 2.53 | DC33002O000 DC33002O000 |
| 67 | SOUTHSTAR | PIFA | IPEX | TX1: 1.86 TX2:1.84 | TX1: 2.98 TX2: 2.38 | TX1: 2.86 TX2: 2.38 | DC33002O400 DC33002O410 |
| 68 | SOUTHSTAR | PIFA | IPEX | TX1: 1.66 TX2: 1.61 | TX1: 2.68 TX2: 2.47 | TX1: 2.47 TX2: 2.53 | DC33002O000 DC33002O000 |
| 69 | SOUTHSTAR | PIFA | IPEX | TX1: 1.03 TX2: 0.66 | TX1: 2.56 TX2: 2.29 | TX1: 2.42 TX2: 2.13 | DC33002O200 DC33002O210 |
| 70 | SOUTHSTAR | PIFA | IPEX | TX1:1.32 TX2:0.92 | TX1: 2.80 TX2: 2.42 | TX1: 2.79 TX2: 2.76 | DC33002O200 DC33002O210 |
| 71 | SOUTHSTAR | PIFA | IPEX | TX1: 1.03 TX2: 0.66 | TX1: 2.56 TX2: 2.29 | TX1: 2.42 TX2: 2.13 | DC33002O200 DC33002O210 |
| 72 | SOUTHSTAR | PIFA | IPEX | TX1: 1.32 TX2: 0.92 | TX1: 2.80 TX2: 2.42 | TX1: 2.79 TX2: 2.76 | DC33002O200 DC33002O210 |
| 73 | High-Tek | PIFA | IPEX | TX1: 2.23 TX2:-0.02 | TX1: 2.91 TX2: 2.98 | TX1: 2.87 TX2: 2.86 | DC33002O100 DC33002O100 |
| 74 | High-Tek | PIFA | IPEX | TX1: -1.50 TX2: -0.62 | TX1: 0.61 TX2: 1.29 | TX1: 0.62 TX2: 2.89 | DC33002O300 DC33002O310 |
| 75 | High-Tek | PIFA | IPEX | TX1: -1.00 TX2: -1.09 | TX1: 1.84 TX2: 1.32 | TX1: 2.29 TX2: 0.04 | DC33002O300 DC33002O310 |

| | | | | | | | |
|-----|----------|------|------|-------------------------|-------------------------|--------------------------|--------------------------------------|
| 76 | AWAN | PIFA | IPEX | TX1: 2.74 TX2: 1.51 | TX1: 2.83 TX2: 2.95 | TX1: 2.91 TX2: 2.23 | 025.9020M.0001 025.9020N.0001 |
| 77 | High-Tek | PIFA | IPEX | TX1: 2.81 TX2: 2.73 | TX1: 2.99 TX2: 2.98 | TX1: 2.96 TX2: 2.73 | 025.9020M.0011 025.9020N.0011 |
| 78 | WNC | PIFA | IPEX | TX1: 1.87 TX2: 2.24 | TX1: 2.95 TX2: 2.96 | TX1: 2.45 TX2: 0.77 | 025.9020M.0021 025.9020N.0021 |
| 79 | AWAN | PIFA | IPEX | TX1: 1.72 TX2: 1.51 | TX1: 2.98 TX2: 2.90 | TX1: 2.89 TX2: 2.85 | 025.9020O.0001 025.9020P.0001 |
| 80 | High-Tek | PIFA | IPEX | TX1: -0.66 TX2: 2.68 | TX1: 2.99 TX2: 2.84 | TX1: 2.02 TX2: 2.93 | 025.9020O.0011 025.9020P.0011 |
| 81 | WNC | PIFA | IPEX | TX1: 1.25 TX2: 1.97 | TX1: 2.93 TX2: 2.65 | TX1: 1.09 TX2: 0.99 | 025.9020O.0021 025.9020P.0021 |
| 82 | AWAN | PIFA | IPEX | TX1: 1.66 TX2: 0.83 | TX1: 2.89 TX2: 1.92 | TX1: 2.19 TX2: 1.20 | 025.90218.0001 025.90219.0001 |
| 83 | High-Tek | PIFA | IPEX | TX1: 3.14 TX2: 1.19 | TX1: 2.92 TX2: 0.21 | TX1: 4.25 TX2: 1.8 | 025.901Y8.0001 025.901Y9.0001 |
| 84 | WNC | PIFA | IPEX | TX1: 2.98 TX2: 2.64 | TX1: 2.69 TX2: 3.01 | TX1: 3.40 TX2: 4.58 | 025.901YU.0001 025.901YV.0001 |
| 85 | AWAN | PIFA | IPEX | TX1: 2.63 TX2: 2.24 | TX1: 1.44 TX2: 0.47 | TX1: 1.65 TX2: 1.06 | 025.90216.0001 025.90217.0001 |
| 86 | High-Tek | PIFA | IPEX | TX1: 2.04 TX2: 2.80 | TX1: 3.68 TX2: 3.58 | TX1: 4.29 TX2: 3.88 | 025.901Y6.0001 025.901Y7.0001 |
| 87 | WNC | PIFA | IPEX | TX1: 2.98 TX2: 1.60 | TX1: 2.32 TX2: 3.83 | TX1: 1.81 TX2: 3.68 | 025.901YQ.0001 025.901YR.0001 |
| 88 | AWAN | PIFA | IPEX | TX1: 2.53 TX2: 1.94 | TX1: 2.89 TX2: 2.75 | TX1: 2.84 TX2: 2.66 | 025.9021A.0001 025.9021B.0001 |
| 89 | High-Tek | PIFA | IPEX | TX1: 2.3 TX2: 1.09 | TX1: 3.21 TX2: 3.87 | TX1: 3.88 TX2: 3.83 | 025.901Y4.0001 025.901Y4.0001 |
| 90 | WNC | PIFA | IPEX | TX1: 2.73 TX2: 0.75 | TX1: 1.98 TX2: 2.18 | TX1: 2.87 TX2: 4.27 | 025.901YS.0001 025.901YT.0001 |
| 91 | Pulse | PIFA | IPEX | TX1: -0.78 TX2: 2.38 | TX1: 0.36 TX2: 0.72 | TX1: -0.43 TX2: -0.14 | TZ21591 TZ21591 |
| 92 | INPAQ | PIFA | IPEX | TX1: 1.16 TX2: 2.48 | TX1: 1.43 TX2: 2.38 | TX1: 0.81 TX2: 1.33 | WA-P-LELE-04-030 WA-P-LELE-04-030 |
| 93 | NISSEI | PIFA | IPEX | TX1: 1.15 TX2: -0.21 | TX1: 1.19 TX2: -0.08 | TX1: 1.47 TX2: -0.51 | CP833301 CP833301 |
| 94 | High-Tek | PIFA | IPEX | TX1: 0.24 TX2: 0.95 | TX1: -0.34 TX2: 0.15 | TX1: -0.27 TX2: 1.82 | 0ACCN021020N 0ACCN021019N |
| 95 | WNC | PIFA | IPEX | TX1: 1.88 TX2: 1.69 | TX1: 2.68 TX2: 2.25 | TX1: 2.71 TX2: 2.97 | 81EABP15.G22 81EABP15.G21 |
| 96 | INPAQ | PIFA | IPEX | TX1: 2.57 TX2: 2.81 | TX1: 2.72 TX2: 2.95 | TX1: 2.83 TX2: 2.81 | WA-P-LE-02-143 WA-P-LE-02-142 |
| 97 | WNC | PIFA | IPEX | TX1: 1.67 TX2: -0.48 | TX1: -0.16 TX2: 1.26 | TX1: 0.51 TX2: 1.62 | DC33002SY10 DC33002SY00 |
| 98 | INPAQ | PIFA | IPEX | TX1: 2.28 TX2: 2.5 | TX1: 2.89 TX2: 1.93 | TX1: 2.95 TX2: 2.19 | WA-P-LE-02-145 WA-P-LE-02-144 |
| 99 | WNC | PIFA | IPEX | TX1: 0.68 TX2: 2.02 | TX1: -0.27 TX2: 0.73 | TX1: 0.02 TX2: -0.18 | DC33002SW10 DC33002SW00 |
| 100 | High-tek | PIFA | IPEX | TX1: 0.99 TX2: 2.59 | TX1: 2.59 TX2: 2.46 | TX1: 2.98 TX2: 2.81 | 219HCTN12275 219HCTN12274 |
| 101 | WNC | PIFA | IPEX | TX1: 0.21 TX2: -0.11 | TX1: 2.14 TX2: 2.98 | TX1: 2.70 TX2: 2.57 | 48EABP0S 48EABP0R |

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| 102 | INPAQ | PIFA | IPEX | TX1: 2.51 TX2: 2.58 | TX1: 2.19 TX2: 2.14 | TX1: 2.47 TX2: 2.45 | DC33002T100 DC33002T100 |
| 103 | WNC | PIFA | IPEX | TX1:1.75 TX2:1.73 | TX1: 2.10 TX2: 0.11 | TX1: 1.37 TX2: 0.33 | DC33002T200 DC33002T200 |
| 104 | AWAN | PIFA | IPEX | TX1:2.45 TX2:1.95 | TX1:2.34 TX2:1.99 | TX1:2.53 TX2:2.16 | AYP6Y-200053 AYP6Y-200053 |
| 105 | INPAQ | PIFA | IPEX | TX1:2.31 TX2:2.01 | TX1:2.21 TX2:1.75 | TX1:2.75 TX2:2.08 | WA-P-LELE-04-024 WA-P-LELE-04-024 |
| 106 | AWAN | PIFA | IPEX | TX1:2.64 TX2:2.38 | TX1:3.68 TX2:3.70 | TX1:3.59 TX2:3.95 | AYP6Y-200059 AYP6Y-200059 |
| 107 | AWAN | PIFA | IPEX | TX1:2.98 TX2:2.77 | TX1:2.26 TX2:2.83 | TX1:2.68 TX2:2.44 | AYP6Y-200060 AYP6Y-200060 |
| 108 | AWAN | PIFA | IPEX | TX1:2.56 TX2:2.84 | TX1:2.83 TX2:2.65 | TX1:2.65 TX2:2.72 | AYP6Y-2000065 AYP6Y-2000065 |
| 109 | Speed | PIFA | IPEX | TX1:2.15 TX2:2.45 | TX1:3.33 TX2:4.57 | TX1:4.67 TX2:4.44 | F-0G-FS-6152-003-00 F-0G-FS-6152-003-00 |
| 110 | High-Tek | PIFA | IPEX | TX1:2.93 TX2:1.14 | TX1:2.81 TX2:-0.04 | TX1:4.75 TX2:2.27 | 0ACQD022066N 0ACQD022066N |
| 111 | Pulse | PIFA | IPEX | TX1:2.95 TX2:2.87 | TX1:2.96 TX2:0.62 | TX1:2.18 TX2:0.65 | ANTA0ZQ13562WLAN3 ANTA0ZQ13562WLAN3 |
| 112 | LUXSHARE-ICT | PIFA | IPEX | TX1:2.86 TX2:2.87 | TX1:4.67 TX2:4.05 | TX1:4.52 TX2:3.95 | DC33001ZS00 DC33001ZS10 |
| 113 | Speed | PIFA | IPEX | TX1:2.34 TX2:2.12 | TX1:2.90 TX2:3.26 | TX1:4.83 TX2:4.65 | DC33001ZU00 DC33001ZU10 |
| 114 | INPAQ | PIFA | IPEX | TX1:2.83 TX2:2.88 | TX1:3.87 TX2:2.47 | TX1:3.90 TX2:3.86 | DC33001ZY00 DC33001ZY10 |
| 115 | INNOWAVE | PIFA | IPEX | TX1:2.12 TX2:2.21 | TX1:3.22 TX2:3.39 | TX1:3.36 TX2:3.26 | F00197313110001 F00197313110001 |
| 116 | INPAQ | PIFA | IPEX | TX1:2.99 TX2:2.63 | TX1:2.92 TX2:2.9 | TX1:2.84 TX2:3.37 | WA-P-LELE-04-038 WA-P-LELE-04-038 |
| 117 | Amphenol | PIFA | IPEX | TX1:1.7 TX2:1.9 | TX1:3.0 TX2:3.4 | TX1:3.9 TX2:3.9 | DC33001W000 DC33001W000 |
| 118 | LUXSHARE-ICT | PIFA | IPEX | TX1:2.86 TX2:2.38 | TX1:3.89 TX2:3.48 | TX1:4.54 TX2:4.17 | DC33001XZ00 DC33001XZ00 |
| 119 | Speed | PIFA | IPEX | TX1:0.15 TX2:0.33 | TX1:3.00 TX2:4.05 | TX1:3.67 TX2:4.02 | DC33001XY00 DC33001XY00 |
| 120 | LUXSHARE-ICT | PIFA | IPEX | TX1:2.55 TX2:2.16 | TX1:3.80 TX2:4.10 | TX1:4.59 TX2:3.79 | DC33001XU00 DC33001XU00 |
| 121 | INPAQ | PIFA | IPEX | TX1:2.85 TX2:2.98 | TX1:2.90 TX2:2.60 | TX1:2.96 TX2:2.98 | DC33001XS00 DC33001XS00 |
| 122 | Speed | PIFA | IPEX | TX1:0.91 TX2:2.38 | TX1:3.31 TX2:3.35 | TX1:4.38 TX2:4.21 | DC33001XT00 DC33001XT00 |
| 123 | AWAN | PIFA | IPEX | TX1:2.15 TX2:1.98 | TX1:2.31 TX2:2.61 | TX1:2.56 TX2:2.30 | AXF6Y-100055 AXF6Y-100056 |
| 124 | Speed | PIFA | IPEX | TX1:2.59 TX2:2.91 | TX1:3.7 TX2:4.29 | TX1:4.49 TX2:4.35 | DC33001Y000 DC33001Y010 |
| 125 | Amphenol | PIFA | IPEX | TX1:1.06 TX2:2.48 | TX1:2.26 TX2:3.92 | TX1:4.32 TX2:4.46 | DC330020500 DC330020500 |
| 126 | LUXSHARE-ICT | PIFA | IPEX | TX1:2.11 TX2:2.84 | TX1:2.63 TX2:3.11 | TX1:4.01 TX2:3.17 | DC330020600 DC330020600 |
| 127 | Speed | PIFA | IPEX | TX1:-0.25 TX2:2.38 | TX1:3.03 TX2:2.81 | TX1:2.78 TX2:2.71 | DC330020700 DC330020700 |
| 128 | INPAQ | PIFA | IPEX | TX1:2.23 TX2:1.36 | TX1:3.26 TX2:2.93 | TX1:4.09 TX2:3.90 | DC330020100 DC330020110 |
| 129 | INPAQ | PIFA | IPEX | TX1:2.96 TX2:2.98 | TX1:4.25 TX2:1.63 | TX1:4.16 TX2:3.25 | DC330021600 DC330021710 |

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| 130 | Speed | PIFA | IPEX | TX1:1.83 TX2:2.46 | TX1:3.57 TX2:3.87 | TX1:3.56 TX2:3.62 | DC33001ZT00 DC33001ZT10 |
| 131 | LUXSHARE-ICT | PIFA | IPEX | TX1:1.99 TX2:1.39 | TX1:4.29 TX2:4.57 | TX1:4.27 TX2:4.45 | DC33001ZR00 DC33001ZR10 |
| 132 | AWAN | PIFA | IPEX | TX1:1.62 TX2:1.33 | TX1:1.80 TX2:1.73 | TX1:1.87 TX2:1.92 | DQ60AUP6Y13 DQ60AUP6Y13 |
| 133 | WNC | PIFA | IPEX | TX1:0.97 TX2:1.64 | TX1:2.20 TX2:2.19 | TX1:2.28 TX2:1.54 | DQ6B15GC300 DQ6B15GC300 |
| 134 | HONG-BO | PIFA | IPEX | TX1:1.81 TX2:1.90 | TX1:2.80 TX2:2.21 | TX1:2.15 TX2:2.64 | 6036B0340901 6036B0341001 |
| 135 | WNC | PIFA | IPEX | TX1:-0.50 TX2:-1.81 | TX1:2.78 TX2:2.86 | TX1:2.79 TX2:2.51 | 6036B0338801 6036B0338901 |
| 136 | HONG-BO | PIFA | IPEX | TX1:-1.25 TX2:0.64 | TX1:1.48 TX2:1.47 | TX1:-0.16 TX2:2.31 | 6036B0310901 6036B0310101 |
| 137 | WNC | PIFA | IPEX | TX1:1.68 TX2:1.08 | TX1:2.45 TX2:2.48 | TX1:1.73 TX2:1.36 | 6036B0306201 6036B0306501 |
| 138 | HONG-BO | PIFA | IPEX | TX1:0.51 TX2:2.37 | TX1:0.87 TX2:2.28 | TX1:1.87 TX2:2.91 | 6036B0340701 6036B0340801 |
| 139 | WNC | PIFA | IPEX | TX1:-1.37 TX2:-1.64 | TX1:2.37 TX2:1.90 | TX1:2.40 TX2:2.41 | 6036B0339101 6036B0339001 |
| 140 | HONG-BO | PIFA | IPEX | TX1:0.95 TX2:0.85 | TX1:2.20 TX2:2.52 | TX1:2.06 TX2:1.97 | 6036B0308701 6036B0308601 |
| 141 | WNC | PIFA | IPEX | TX2:1.41 TX1:2.40 | TX2:2.43 TX1:2.20 | TX2:2.42 TX1:2.24 | 6036B0307201 6036B0306701 |
| 142 | HONG-BO | PIFA | IPEX | TX2:1.13 TX1:0.18 | TX2:2.87 TX1:2.95 | TX2:2.93 TX1:2.54 | 6036B0340501 6036B0340601 |
| 143 | WNC | PIFA | IPEX | TX2:0.27 TX1:0.49 | TX2:1.99 TX1:1.96 | TX2:1.97 TX1:1.33 | 6036B0338601 6036B0338701 |
| 144 | HONG-BO | PIFA | IPEX | TX1:1.01 TX2:2.81 | TX1:2.50 TX2:2.21 | TX1:1.59 TX2:2.90 | 6036B0309201 6036B0309101 |
| 145 | WNC | PIFA | IPEX | TX1:0.66 TX2:0.97 | TX1:0.78 TX2:1.77 | TX1:-1.93 TX2:0.28 | 6036B0307801 6036B0307501 |
| 146 | High-Tek | PIFA | IPEX | TX1:-1.88 TX2:-1.82 | TX1:2.88 TX2:1.91 | TX1:2.91 TX2:1.08 | 025.9027I.0001 025.9027H.0001 |
| 147 | INPAQ | PIFA | IPEX | TX1:2.25 TX2:2.58 | TX1:2.71 TX2:2.66 | TX1:2.33 TX2:2.45 | 025.9027K.0001 025.9027J.0001 |
| 148 | HONG-BO | PIFA | IPEX | TX1:0.35 TX2:0.26 | TX1:1.88 TX2:1.04 | TX1:2.66 TX2:2.38 | 6036B0319601 6036B0319701 |
| 149 | HONG-BO | PIFA | IPEX | TX1:-1.05 TX2:-0.98 | TX1:1.28 TX2:2.15 | TX1:2.49 TX2:1.97 | 6036B0319601 6036B0319701 |
| 150 | WNC | PIFA | IPEX | TX1:-1.41 TX2:-1.50 | TX1:-0.49 TX2:1.56 | TX1:0.18 TX2:0.35 | 6036B0319801 6036B0319901 |
| 151 | WNC | PIFA | IPEX | TX1:-1.42 TX2:-1.56 | TX1:0.24 TX2:1.21 | TX1:0.37 TX2:1.12 | 6036B0319801 6036B0319901 |
| 152 | High-Tek | PIFA | IPEX | TX1:-0.84 TX2:-1.25 | TX1:2.78 TX2:2.77 | TX1:2.76 TX2:2.84 | DC33002SH00 DC33002SH10 |
| 153 | WNC | PIFA | IPEX | TX1:0.79 TX2:0.16 | TX1:1.06 TX2:0.78 | TX1:0.77 TX2:1.29 | 81EABP15.G41 81EABP15.G42 |
| 154 | Speed | PIFA | IPEX | TX1:2.78 TX2:2.92 | TX1:3.10 TX2:3.48 | TX1:3.77 TX2:3.15 | F-0G-XZ-0300-000-K0 F-0G-XZ-0300-000-K0 |
| 155 | ZhongTianXun | PIFA | IPEX | TX1:2.78 TX2:2.92 | TX1:3.10 TX2:3.48 | TX1:3.77 TX2:3.15 | 2.00005163 2.00005163 |
| 156 | Speed | PIFA | IPEX | TX1:2.67 TX2:2.97 | TX1:4.14 TX2:3.90 | TX1:4.08 TX2:4.11 | F-0G-XZ-0299-000-K0 F-0G-XZ-0299-000-K0 |
| 157 | ZhongTianXun | PIFA | IPEX | TX1:2.67 TX2:2.97 | TX1:4.14 TX2:3.90 | TX1:4.08 TX2:4.11 | 2.00005169 2.00005169 |

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| 158 | High-Tek | PIFA | IPEX | TX1:1.91 TX2:0.23 | TX1:2.06 TX2:-0.23 | TX1:2.46 TX2:1.00 | DC33002T900 DC33002T910 |
| 159 | Pulse | PIFA | IPEX | TX1:2.82 TX2:2.70 | TX1:2.88 TX2:2.95 | TX1:3.88 TX2:3.70 | DC33002TF00 DC33002TF10 |
| 160 | High-Tek | PIFA | IPEX | TX1:0.75 TX2:1.44 | TX1:2.85 TX2:2.81 | TX1:2.88 TX2:2.89 | DC33002TE00 DC33002TE00 |
| 161 | Pulse | PIFA | IPEX | TX1:2.89 TX2:2.03 | TX1:2.98 TX2:2.93 | TX1:2.89 TX2:2.98 | DC33002TI00 DC33002TI00 |
| 162 | AWAN | PIFA | IPEX | TX1:1.98 TX2:1.77 | TX1:2.26 TX2:2.43 | TX1:2.68 TX2:2.44 | AYL6Y-100020 AYL6Y-100021 |
| 163 | Luxshare-ICT | PIFA | IPEX | TX1:-0.98 TX2:0.35 | TX1:-0.97 TX2:1.98 | TX1:-0.09 TX2:3.64 | L01RF354-NB-H L01RF355-NB-H |
| 164 | Luxshare-ICT | PIFA | IPEX | TX1:2.91 TX2:2.88 | TX1:3.26 TX2:3.15 | TX1:4.52 TX2:4.10 | DC330020Q00 DC330020Q10 |
| 165 | Speed | PIFA | IPEX | TX1:1.74 TX2:2.59 | TX1:3.67 TX2:3.07 | TX1:3.11 TX2:3.81 | DC330020P00 DC330020P10 |
| 166 | High-Tek | PIFA | IPEX | TX1:1.80 TX2:2.33 | TX1:2.82 TX2:2.68 | TX1:3.92 TX2:3.87 | DC33002TC00 DC33002TC10 |
| 167 | Pulse | PIFA | IPEX | TX1:2.47 TX2:2.45 | TX1:2.89 TX2:2.91 | TX1:3.88 TX2:3.97 | DC33002TD00 DC33002TD10 |
| 168 | NISSEI | PIFA | IPEX | TX1: -0.21 TX2: 1.15 | TX1: -0.08 TX2: 1.19 | TX1: -0.51 TX2: 1.47 | CP833301 CP833301 |
| 169 | LUXSHARE | DIPOLE | SMA-RP | TX1: 0.30 TX2: -1.1 | TX1: 0.20 TX2: -1.1 | TX1: 1.20 TX2: 1.40 | LA9RF059-CS-H LA9RF059-CS-H |
| 170 | INPAQ | DIPOLE | SMA-RP | TX1: 1.38 TX2: 1.44 | TX1: 3.64 TX2: 3.53 | TX1: 2.8 TX2: 3.08 | DAM-I3-H1-M2-800-10-66 DAM-I3-H1-M2-800-10-66 |
| 171 | AWAN | PIFA | IPEX | TX1: 0.95 TX2: 1.64 | TX1: 0.97 TX2: 1.18 | TX1: -0.71 TX2: 1.20 | 6036B0342001 6036B0341801 |
| 172 | INPAQ | PIFA | IPEX | TX1: 2.12 TX2: 1.71 | TX1: 3.07 TX2: 1.82 | TX1: 2.82 TX2: 2.89 | 6036B0342101 6036B0341901 |
| 173 | Amphenol | PIFA | IPEX | TX1: 2.84 TX2: 2.89 | TX1: 4.26 TX2: 4.56 | TX1: 4.81 TX2: 4.83 | DC330020S00 DC330020S00 |
| 174 | Speed | PIFA | IPEX | TX1: 2.87 TX2: 2.86 | TX1: 4.43 TX2: 4.11 | TX1: 4.61 TX2: 4.65 | DC330020R00 DC330020R00 |
| 175 | Amphenol | PIFA | IPEX | TX1: 2.28 TX2: 2.02 | TX1: 4.16 TX2: 4.37 | TX1: 4.52 TX2: 4.52 | DC330020Y00 DC330020Y00 |
| 176 | Speed | PIFA | IPEX | TX1: 2.78 TX2: 2.25 | TX1: 3.59 TX2: 3.72 | TX1: 3.62 TX2: 3.66 | DC330020Z00 DC330020Z00 |
| 177 | LUXSHARE-ICT | PIFA | IPEX | TX1: 2.80 TX2: 2.94 | TX1: 4.08 TX2: 3.94 | TX1: 3.87 TX2: 4.29 | DC330020W00 DC330020W00 |
| 178 | LUXSHARE-ICT | PIFA | IPEX | TX1: 2.93 TX2: 2.82 | TX1: 4.11 TX2: 4.03 | TX1: 4.31 TX2: 4.56 | DC330021000 DC330021000 |
| 179 | HongBo | PIFA | IPEX | TX1: 2.28 TX2: 2.81 | TX1: 3.21 TX2: 3.27 | TX1: 3.25 TX2: 3.24 | DC330021100 DC330021100 |
| 180 | Speed | PIFA | IPEX | TX1: 2.77 TX2: 2.51 | TX1: 4.34 TX2: 3.89 | TX1: 3.95 TX2: 3.96 | DC330021200 DC330021200 |
| 181 | INPAQ | PIFA | IPEX | TX1: 1.8 TX2: 1.5 | TX1: 2.4 TX2: 2.5 | TX1: 2.7 TX2: 2.6 | DC330021500 DC330021500 |
| 182 | Speed | PIFA | IPEX | TX1: 2.44 TX2: 1.16 | TX1: 4.58 TX2: 4.59 | TX1: 4.10 TX2: 4.35 | DC330021300 DC330021300 |
| 183 | INPAQ | PIFA | IPEX | TX1: 2.72 TX2: 2.72 | TX1: 3.44 TX2: 3.39 | TX1: 3.47 TX2: 3.42 | WA-P-LELE-04-038 WA-P-LELE-04-038 |
| 184 | AWAN | PIFA | IPEX | TX1: 2.73 TX2: 2.91 | TX1: 3.52 TX2: 3.76 | TX1: 3.87 TX2: 3.79 | AYP6Y-200060 AYP6Y-200060 |

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