

Radio Test Report

Report No.: RJBARR-WTW-P21060023K

Test Model: MT7922A12L

Received Date: 2022/2/8

Issued Date: 2023/3/3

Applicant: MediaTek Inc.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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Release Control Record

Issue No.	Description	Date Issued
RJBARR-WTW-P21060023K	Original release.	2023/3/3

1 Certificate of Conformity

Product: 2TX 11ax (WiFi6E) BW160 + BT/BLE Combo Card

Brand: MediaTek

Test Model: MT7922A12L

Sample Status: Engineering sample

Applicant: MediaTek Inc.

Standards: ARIB STD-T66 (V3.7), MIC notice 88 Appendix 43

Certification Ordinance Article 2-1-19

RCR STD-33 (V5.4), MIC notice 88 Appendix 44

Certification Ordinance Article 2-1-19-2

Certification Ordinance Article 2-1-19-3

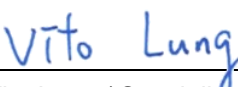
Certification Ordinance Article 2-1-79

Certification Ordinance Article 2-1-80

Measurement was conducted by the temporary test method which DSPR submitted to the Minister for Internal Affairs and Communications based on the Ordinance Concerning Technical Regulations Conformity Certification etc. of Specified Radio Equipment in Annex 1, the Ministry of Internal Affairs and Communication notification in Article 88, Paragraph 2

This report is issued as a supplementary report. This report shall be used combined together with its original report.

Prepared by :


Vito Lung / Specialist

, Date:

2023/3/3

Approved by :



May Chen / Manager

, Date:

2023/3/3

2 General Information

2.1 General Description of EUT

Product	2TX 11ax (WiFi6E) BW160 + BT/BLE Combo Card
Brand	MediaTek
Test Model	MT7922A12L
Status of EUT	Engineering sample
Nominal Voltage	3.3Vdc from host equipment
Modulation Type	<p>For WLAN: CCK, DQPSK, DBPSK for DSSS BPSK, QPSK, 16QAM, 64QAM, 256QAM for OFDM BPSK, QPSK, 16QAM, 64QAM, 256QAM and 1024QAM for OFDMA</p> <p>For BT-EDR: GFSK, $\pi/4$-DQPSK, 8DPSK For BT-LE: GFSK</p>
Modulation Technology	<p>For WLAN: DSSS, OFDM, OFDMA For BT-EDR: FHSS For BT-LE: GFSK</p>
Transfer Rate	<p>For WLAN: 802.11b: 11/5.5/2/1 Mbps 802.11a/g: 54/48/36/24/18/12/9/6 Mbps 802.11n: up to 400 Mbps 802.11ac: up to 1733.3 Mbps 802.11ax: up to 2401.9 Mbps</p> <p>6GHz Up to 2401.9 Mbps For BT-EDR: 1/2/3Mbps For BT-LE: Up to 2Mbps</p>
Operating Frequency	<p>For WLAN: 2.4GHz: 802.11b: 2412~2484MHz 802.11g/n(HT20)/VHT20/ax(HE20): 2412~2472 MHz 802.11n(HT40)/VHT40/ax(HE40): 2422~2462 MHz 5GHz: 5150 ~ 5350 MHz and 5470 ~ 5730 MHz 6GHz: 5955 MHz ~ 6415 MHz For BT-EDR: 2402 ~ 2480 MHz For BT-LE: LE 1M: 2402 ~ 2480MHz LE 2M: 2404 ~ 2478MHz</p>

Number of Channel	For WLAN: 2.4GHz: 802.11b: 14 802.11g, 802.11n(HT20)/VHT20/ax(HE20): 13 802.11n (HT40)/VHT40/ax(HE40): 9 5GHz: For 5GHz(W52+W53): 802.11a/n(HT20)/ac(VHT20)/ax(HE20): 8 802.11n(HT40)/ac(VHT40)/ax(HE40): 4 802.11ac(VHT80)/ax(HE80): 2 802.11ac(VHT160)/ax(HE160): 1 For 5GHz(W56): 802.11a/n(HT20)/ac(VHT20)/ax(HE20): 12 802.11n(HT40)/ac(VHT40)/ax(HE40): 6 802.11ac(VHT80)/ax(HE80): 3 802.11ac(VHT160)/ax(HE160): 1 6GHz: 802.11a, 802.11ax (HE20): 24 802.11ax (HE40): 12 802.11ax (HE80): 6 802.11ax (HE160): 3 For BT-EDR: 79 For BT-LE: LE 1M: 40 LE 2M: 38
Rated RF Output Power Density	Refer to note
Conducted RFOuput Power Density	Refer to note
Radiated RF Output Power Density	Refer to note
Antenna Type	Refer to section 3.5
Antenna Connector	Refer to section 3.5
Accessory Device	N/A
Data Cable Supplied	N/A

Note:

1. This report is issued as a supplementary report to BV CPS report as below test reports:

Function	Report No.
BT-LE	RJBARR-WTW-P21060023I
BT-EDR	RJBARR-WTW-P21060023I-1
WLAN_2.4GHz	RJBARR-WTW-P21060023I-2
WLAN_5GHz	RJBARR-WTW-P21060023I-3
WLAN_6GHz (LPI)	RJBARR-WTW-P21060023I-4
WLAN_6GHz (VLP)	RJBARR-WTW-P21060023I-5

- New antenna was added. According to the judgment on the EUT specification, the new antenna has the same characteristics and type under the same frequency band except the gain is smaller than the original application, so the highest gain evaluated in the original reports was for the final test.
- The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

4. The difference compared with original report is adding antennas and according to EUT's specification, there is no need to be re-tested.

Original								
Antenna No.	RF Chain NO.	Brand	Model	Antenna Net Gain (dBi)	Frequency range (GHz)	Antenna Type	Connector Type	Cable Length
1	Chain0	PSA	RFMTA340718EMLB302	3.18	2.4~2.4835	PIFA	i-pex(MHF)	200mm
				4.92	5.15~5.85			
	Chain1	PSA	RFMTA340718EMLB302	3.18	2.4~2.4835	PIFA	i-pex(MHF)	200mm
				4.92	5.15~5.85			
2	Chain0	PSA	RFMTA311020EMMB301	1.71	2.4~2.4835	PIFA	i-pex(MHF)	200mm
				4.82	5.15~5.85			
				4.76	5.925~6.425			
				4.29	6.425~6.525			
				4.61	6.525~6.875			
				4.09	6.875~7.125			
	Chain1	PSA	RFMTA311020EMMB301	1.71	2.4~2.4835	PIFA	i-pex(MHF)	200mm
				4.82	5.15~5.85			
				4.76	5.925~6.425			
				4.29	6.425~6.525			
				4.61	6.525~6.875			
				4.09	6.875~7.125			

Newly

No.	Brand	Main/Aux	Model	Peak gain with cable loss	Cable Loss (dB) (this column option)	Antenna Type	Connector Type	Cable Length (mm)
3	Luxshare-ICT	Main	DC33001X500	-0.23 dBi @ 2.4GHz 1.56 dBi @ 5GHz 0.81 dBi @ 5925~6425GHz 0.45 dBi @ 6425~6525GHz 1.20 dBi @ 6525~6875GHz 1.37 dBi @ 6875~7125GHz	0.77 dB @ 2.4GHz 1.21 dB @ 5GHz 1.25 dB @ 5925~6425GHz 1.28 dB @ 6425~6525GHz 1.29 dB @ 6525~6875GHz 1.29 dB @ 6875~7125GHz	PIFA	i-pex(MHF)	323
		Aux	DC33001X510	1.21 dBi @ 2.4GHz 1.54 dBi @ 5GHz 0.86 dBi @ 5925~6425GHz 0.63 dBi @ 6425~6525GHz 0.63 dBi @ 6525~6875GHz 0.42 dBi @ 6875~7125GHz	0.38 dB @ 2.4GHz 0.59 dB @ 5GHz 0.61 dB @ 5925~6425GHz 0.69 dB @ 6425~6525GHz 0.69 dB @ 6525~6875GHz 0.73 dB @ 6875~7125GHz			115
4	Luxshare-ICT	Main	DC33001X520	-0.33dBi @ 2.4GHz 1.31dBi @ 5GHz 0.51 dBi @ 5925~6425GHz 0.33 dBi @ 6425~6525GHz 1.14 dBi @ 6525~6875GHz 1.22 dBi @ 6875~7125GHz	0.92 dB @ 2.4GHz 1.44dB @ 5GHz 1.49 dB @ 5925~6425GHz 1.52 dB @ 6425~6525GHz 1.53 dB @ 6525~6875GHz 1.54 dB @ 6875~7125GHz	PIFA	i-pex(MHF)	383
		Aux	DC33001X530	1.14 dBi @ 2.4GHz 1.49 dBi @ 5GHz 0.79 dBi @ 5925~6425GHz 0.15 dBi @ 6425~6525GHz 0.37 dBi @ 6525~6875GHz 0.37 dBi @ 6875~7125GHz	0.37 dB @ 2.4GHz 0.57 dB @ 5GHz 0.60 dB @ 5925~6425GHz 0.67 dB @ 6425~6525GHz 0.71 dB @ 6525~6875GHz 0.71 dB @ 6875~7125GHz			112
5	SPEED	Main	DC33001X300	-0.23 dBi @ 2.4GHz 1.56 dBi @ 5GHz 0.81 dBi @ 5925~6425GHz 0.45 dBi @ 6425~6525GHz 1.20 dBi @ 6525~6875GHz 1.37 dBi @ 6875~7125GHz	0.77 dB @ 2.4GHz 1.21 dB @ 5GHz 1.25 dB @ 5925~6425GHz 1.28 dB @ 6425~6525GHz 1.29 dB @ 6525~6875GHz 1.29 dB @ 6875~7125GHz	PIFA	i-pex(MHF)	323
		Aux	DC33001X310	1.21 dBi @ 2.4GHz 1.54 dBi @ 5GHz 0.86 dBi @ 5925~6425GHz 0.63 dBi @ 6425~6525GHz 0.63 dBi @ 6525~6875GHz 0.42 dBi @ 6875~7125GHz	0.38 dB @ 2.4GHz 0.59 dB @ 5GHz 0.61 dB @ 5925~6425GHz 0.69 dB @ 6425~6525GHz 0.69 dB @ 6525~6875GHz 0.73 dB @ 6875~7125GHz			112
6	SPEED	Main	DC33001X320	-0.33 dBi @ 2.4GHz 1.31 dBi @ 5GHz 0.51 dBi @ 5925~6425GHz 0.33 dBi @ 6425~6525GHz 1.14 dBi @ 6525~6875GHz 1.22 dBi @ 6875~7125GHz	0.92 dB @ 2.4GHz 1.44 dB @ 5GHz 1.49 dB @ 5925~6425GHz 1.52 dB @ 6425~6525GHz 1.53 dB @ 6525~6875GHz 1.54 dB @ 6875~7125GHz	PIFA	i-pex(MHF)	383
		Aux	DC33001X330	1.14 dBi @ 2.4GHz 1.49 dBi @ 5GHz 0.79 dBi @ 5925~6425GHz 0.15 dBi @ 6425~6525GHz 0.37 dBi @ 6525~6875GHz 0.37 dBi @ 6875~7125GHz	0.37 dB @ 2.4GHz 0.57 dB @ 5GHz 0.60 dB @ 5925~6425GHz 0.67 dB @ 6425~6525GHz 0.71 dB @ 6525~6875GHz 0.71 dB @ 6875~7125GHz			112

No.	Brand	Main/Aux	Model	Peak gain with cable loss	Cable Loss (dB) (this column option)	Antenna Type	Connector Type	Cable Length (mm)
7	Luxshare-ICT	Main	DC33001XA00	-0.11 dBi @2.4GHz 2.59 dBi @5GHz 2.33 dBi @5925~6425GHz 1.99 dBi @6425~6525GHz 2.24 dBi @6525~6875GHz 2.36 dBi @6875~7125GHz	0.87 dB @2.4GHz 1.35 dB @5GHz 1.44 dB @5925~6425GHz 1.49 dB @6425~6525GHz 1.52 dB @6525~6875GHz 1.56 dB @6875~7125GHz	PIFA	i-pex(MHF)	301
		Aux	DC33001XA10	0.67 dBi @2.4GHz 2.80 dBi @5GHz 2.57 dBi @5925~6425GHz 2.57 dBi @6425~6525GHz 2.28 dBi @6525~6875GHz 2.01 dBi @6875~7125GHz	0.31 dB @2.4GHz 0.46 dB @5GHz 0.51 dB @5925~6425GHz 0.52 dB @6425~6525GHz 0.53 dB @6525~6875GHz 0.55 dB @6875~7125GHz			106
8	Luxshare-ICT	Main	DC33001XA20	-0.20 dBi @2.4GHz 2.10 dBi @5GHz 1.84 dBi @5925~6425GHz 1.50 dBi @6425~6525GHz 1.37 dBi @6525~6875GHz 1.58 dBi @6875~7125GHz	1.33 dB @2.4GHz 2.09 dB @5GHz 2.36 dB @5925~6425GHz 2.48 dB @6425~6525GHz 2.56 dB @6525~6875GHz 2.67 dB @6875~7125GHz	PIFA	i-pex(MHF)	377
		Aux	DC33001XA30	0.07 dBi @2.4GHz 1.43 dBi @5GHz 2.14 dBi @5925~6425GHz 2.14 dBi @6425~6525GHz 1.83 dBi @6525~6875GHz 1.60 dBi @6875~7125GHz	0.31 dB @2.4GHz 0.49 dB @5GHz 0.51 dB @5925~6425GHz 0.52 dB @6425~6525GHz 0.53 dB @6525~6875GHz 0.55 dB @6875~7125GHz			106
9	Speed	Main	DC33001X900	1.77 dBi @2.4GHz 2.77 dBi @5GHz 2.93 dBi @5925~6425GHz 2.41 dBi @6425~6525GHz 2.81 dBi @6525~6875GHz 2.45 dBi @6875~7125GHz	0.87 dB @2.4GHz 1.35 dB @5GHz 1.44 dB @5925~6425GHz 1.49 dB @6425~6525GHz 1.52 dB @6525~6875GHz 1.56 dB @6875~7125GHz	PIFA	i-pex(MHF)	301
		Aux	DC33001X910	0.81 dBi @2.4GHz 2.86 dBi @5GHz 2.60 dBi @5925~6425GHz 2.6 dBi @6425~6525GHz 2.66 dBi @6525~6875GHz 2.22 dBi @6875~7125GHz	0.31 dB @2.4GHz 0.46 dB @5GHz 0.51 dB @5925~6425GHz 0.52 dB @6425~6525GHz 0.53 dB @6525~6875GHz 0.55 dB @6875~7125GHz			106
10	Speed	Main	DC33001X920	1.69 dBi @2.4GHz 1.56 dBi @5GHz 2.22 dBi @5925~6425GHz 2.22 dBi @6425~6525GHz 2.07 dBi @6525~6875GHz 1.91 dBi @6875~7125GHz	1.33 dB @2.4GHz 2.22 dB @5GHz 2.36 dB @5925~6425GHz 2.48 dB @6425~6525GHz 2.56 dB @6525~6875GHz 2.67 dB @6875~7125GHz	PIFA	i-pex(MHF)	377
		Aux	DC33001X930	0.79 dBi @2.4GHz 2.70 dBi @5GHz 2.26 dBi @5925~6425GHz 2.26 dBi @6425~6525GHz 2.44 dBi @6525~6875GHz 2.07 dBi @6875~7125GHz	0.31 dB @2.4GHz 0.46 dB @5GHz 0.51 dB @5925~6425GHz 0.52 dB @6425~6525GHz 0.53 dB @6525~6875GHz 0.55 dB @6875~7125GHz			106

No	Brand	Main/Aux	Model	Peak gain with cable loss	Cable Loss (dB) (this column option)	Antenna Type	Connector Type	Cable Length (mm)
11	INPAQ	Main	025.901X7.0001	2.25 dBi @ 2.4GHz 2.79 dBi @ 5GHz 2.96 dBi @ 5925~6425GHz 2.91 dBi @ 6425~6525GHz 2.94 dBi @ 6525~6875GHz 2.97 dBi @ 6875~7125GHz	0.53 dB @ 2.4GHz 0.83 dB @ 5GHz 0.87 dB @ 5925~6425GHz 0.89 dB @ 6425~6525GHz 0.91 dB @ 6525~6875GHz 0.94 dB @ 6875~7125GHz	PIFA	I-Pex (20565-001R-13)	183
		Aux	025.901X8.0001	2.30 dBi @ 2.4GHz 2.99 dBi @ 5GHz 2.97 dBi @ 5925~6425GHz 2.94 dBi @ 6425~6525GHz 2.98 dBi @ 6525~6875GHz 3.14 dBi @ 6875~7125GHz	0.76 dB @ 2.4GHz 1.13 dB @ 5GHz 1.23 dB @ 5925~6425GHz 1.27 dB @ 6425~6525GHz 1.30 dB @ 6525~6875GHz 1.34 dB @ 6875~7125GHz			256
12	Wistron Neweb Corporation	Main	025.901X7.0011	2.64 dBi @ 2.4GHz 3.34 dBi @ 5GHz 2.85 dBi @ 5925~6425GHz 1.21 dBi @ 6425~6525GHz 3.01 dBi @ 6525~6875GHz 3.21 dBi @ 6875~7125GHz	0.54 dB @ 2.4GHz 0.84 dB @ 5GHz 0.87 dBi @ 5925~6425GHz 0.90 dBi @ 6425~6525GHz 0.92 dBi @ 6.525~6875GHz 0.95 dBi @ 6875~7125GHz	PIFA	IPEX-20565	183
		Aux	025.901X8.0011	2.13 dBi @ 2.4GHz 2.57 dBi @ 5GHz 1.98 dBi @ 5925~6425GHz 0.45 dBi @ 6425~6525GHz 3.20 dBi @ 6525~6875GHz 3.20 dBi @ 6875~7125GHz	0.73 dB @ 2.4GHz 1.12 dB @ 5GHz 1.18 dBi @ 5925~6425GHz 1.22 dBi @ 6425~6525GHz 1.25 dBi @ 6525~6875GHz 1.29 dBi @ 6875~7125GHz			256
13	INPAQ	Main	DAM-J8-K1-DB-800-10-25	2.32dBi @ 2.4GHz 2.82dBi @ 5GHz 2.97 dBi @ 5925~6425GHz 2.64 dBi @ 6425~6525GHz 2.64 dBi @ 6525~6875GHz 2.57 dBi @ 6875~7125GHz	1.62 dB @ 2.4GHz 2.69dB @ 5GHz 2.87 dB @ 5925~6425GHz 2.90 dB @ 6425~6525GHz 3.02 dB @ 6525~6875GHz 3.15 dB @ 6875~7125GHz	PIFA	RP-SMA PLUG (RF Cable:1-PEX)	800 (RF Cable:60)
		Aux	DAM-J8-K1-DB-800-10-25	2.38 dBi @ 2.4GHz 2.97 dBi @ 5GHz 2.98 dBi @ 5925~6425GHz 2.96 dBi @ 6425~6525GHz 2.84 dBi @ 6525~6875GHz 2.82 dBi @ 6875~7125GHz	1.70 dB @ 2.4GHz 2.51dB @ 5GHz 2.87 dB @ 5925~6425GHz 2.90 dB @ 6425~6525GHz 3.02 dB @ 6525~6875GHz 3.15 dB @ 6875~7125GHz		RP-SMA PLUG (RF Cable:1-PEX)	800 (RF Cable:60)
14	INPAQ	Main	DAM-J9-K1-DB-800-10-70	2.25 dBi @ 2.4GHz 2.79 dBi @ 5GHz 2.89 dBi @ 5925~6425GHz 2.94 dBi @ 6425~6525GHz 2.95 dBi @ 6525~6875GHz 2.97 dBi @ 6875~7125GHz	1.58 dB @ 2.4GHz 2.61dB @ 5GHz 2.87 dB @ 5925~6425GHz 2.90 dB @ 6425~6525GHz 3.02 dB @ 6525~6875GHz 3.15 dB @ 6875~7125GHz	PIFA	RP-SMA PLUG (RF Cable:1-PEX)	800 (RF Cable:60)
		Aux	DAM-J9-K1-DB-800-10-70	2.30 dBi @ 2.4GHz 2.99 dBi @ 5GHz 2.85 dBi @ 5925~6425GHz 3.09 dBi @ 6425~6525GHz 3.11 dBi @ 6525~6875GHz 3.14 dBi @ 6875~7125GHz	1.70 dB @ 2.4GHz 2.61dB @ 5GHz 2.87 dB @ 5925~6425GHz 2.90 dB @ 6425~6525GHz 3.02 dB @ 6525~6875GHz 3.15 dB @ 6875~7125GHz		RP-SMA PLUG (RF Cable:1-PEX)	800 (RF Cable:60)

No.	Brand	Main/Aux	Model	Peak gain with cable loss	Cable Loss (dB) (this column option)	Antenna Type	Connector Type	Cable Length (mm)
15	Speed	Main	DC33001RF50	1.48dBi @ 2.4GHz 1.31dBi @ 5GHz 1.20 dBi @ 5.925~6.425GHz 1.87 dBi @ 6425~6525GHz 1.45dBi @ 6.525~6.875GHz 1.47 dBi @ 6.875~7.125GHz	0.97 dB @2.4G 1.51 dB @5G 1.60 dB @ 5.925~6.425GHz 1.63 dB @6425~6525GHz 1.68 dB @6.525~6.875GHz 1.75 dB @6.875~7.125GHz	PIFA	I-PEX	332
		Aux	DC33001RF60	1.33dBi @ 2.4GHz 0.14dBi @ 5GHz 1.95 dBi @ 5.925~6.425GHz 1.23 dBi @ 6425~6525GHz 1.39dBi @ 6.525~6.875GHz 1.73 dBi @ 6.875~7.125GHz	1.29 dB @2.4G 2.05 dB @5G 2.17 dB @ 5.925~6.425GHz 2.25 dB @6425~6525GHz 2.29 dB @6.525~6.875GHz 2.33 dB @6.875~7.125GHz			442
16	Speed	Main	DC33001RF20	1.70dBi @ 2.4GHz 1.60dBi @ 5GHz 1.25 dBi @ 5.925~6.425GHz 2.24 dBi @ 6425~6525GHz 2.31dBi @ 6.525~6.875GHz 1.64 dBi @ 6.875~7.125GHz	1.00 dB @2.4G 1.56 dB @5G 1.64 dB @ 5.925~6.425GHz 1.67 dB @6425~6525GHz 1.72 dB @6.525~6.875GHz 1.79 dB @6.875~7.125GHz	PIFA	I-PEX	315
		Aux	DC33001RF30	1.56dBi @ 2.4GHz 0.47dBi @ 5GHz 2.34 dBi @ 5.925~6.425GHz 1.60 dBi @ 6425~6525GHz 1.71dBi @ 6.525~6.875GHz 2.32 dBi @ 6.875~7.125GHz	1.28 dB @2.4G 2.00 dB @5G 2.13 dB @ 5.925~6.425GHz 2.21dB @6425~6525GHz 2.26 dB @6.525~6.875GHz 2.31 dB @6.875~7.125GHz			410
17	Speed	Main	DC33001RF00	1.31dBi @ 2.4GHz 1.00 dBi @ 5GHz 0.62 dBi @ 5.925~6.425GHz 1.61dBi @ 6425~6525GHz 1.68dBi @ 6.525~6.875GHz 1.01 dBi @ 6.875~7.125GHz	1.00 dB @2.4G 1.56 dB @5G 1.64 dB @ 5.925~6.425GHz 1.67 dB @6425~6525GHz 1.72 dB @6.525~6.875GHz 1.79 dB @6.875~7.125GHz	PIFA	I-PEX	315
		Aux	DC33001RF10	1.04 dBi @ 2.4GHz -0.19 dBi @ 5GHz 1.51 dBi @ 5.925~6.425GHz 0.76 dBi @ 6425~6525GHz 0.87 dBi @ 6.525~6.875GHz 1.48 dBi @ 6.875~7.125GHz	1.28 dB @2.4G 2.00 dB @5G 2.13 dB @ 5.925~6.425GHz 2.21dB @6425~6525GHz 2.26 dB @6.525~6.875GHz 2.31 dB @6.875~7.125GHz			410
18	Amphenol Taiwan Corporation	Main	DC33001QG50	1.48dBi @ 2.4GHz 1.31dBi @ 5GHz 1.20 dBi @ 5.925~6.425GHz 1.87 dBi @ 6425~6525GHz 1.45dBi @ 6.525~6.875GHz 1.47 dBi @ 6.875~7.125GHz	0.97 dB @2.4G 1.51 dB @5G 1.60 dB @ 5.925~6.425GHz 1.63 dB @6425~6525GHz 1.68 dB @6.525~6.875GHz 1.75 dB @6.875~7.125GHz	PIFA	I-PEX	332
		Aux	DC33001QG60	1.33dBi @ 2.4GHz 0.14dBi @ 5GHz 1.95 dBi @ 5.925~6.425GHz 1.23 dBi @ 6425~6525GHz 1.39dBi @ 6.525~6.875GHz 1.73 dBi @ 6.875~7.125GHz	1.29 dB @2.4G 2.05 dB @5G 2.17 dB @ 5.925~6.425GHz 2.25 dB @6425~6525GHz 2.29 dB @6.525~6.875GHz 2.33 dB @6.875~7.125GHz			442

No.	Brand	Main/Aux	Model	Peak gain with cable loss	Cable Loss (dB) (this column option)	Antenna Type	Connector Type	Cable Length (mm)
19	Amphenol Taiwan Corporation	Main	DC33001QG20	1.70dBi @ 2.4GHz 1.60dBi @ 5GHz 1.25 dBi @ 5.925~6.425GHz 2.24 dBi @6425~6525GHz 2.31dBi @6.525~6.875GHz 1.64 dBi @6.875~7.125GHz	1.00 dB @2.4G 1.56 dB @5G 1.64 dB@ 5.925~6.425GHz 1.67 dB @6425~6525GHz 1.72 dB @6.525~6.875GHz 1.79 dB@6.875~7.125GHz	PIFA	I-PEX	341
		Aux	DC33001QG30	1.56dBi @ 2.4GHz 0.47dBi @ 5GHz 2.34 dBi @ 5.925~6.425GHz 1.60 dBi @6425~6525GHz 1.71dBi @6.525~6.875GHz 2.32 dBi @6.875~7.125GHz	1.28 dB @2.4G 2.00 dB @5G 2.13 dB@ 5.925~6.425GHz 2.21dB @6425~6525GHz 2.26 dB @6.525~6.875GHz 2.31 dB@6.875~7.125GHz			439
20	Amphenol Taiwan Corporation	Main	DC33001QG00	1.31dBi @ 2.4GHz 1.00dBi @ 5GHz 0.62 dBi @ 5.925~6.425GHz 1.61 dBi @6425~6525GHz 1.68dBi @6.525~6.875GHz 1.01dBi @6.875~7.125GHz	1.00 dB @2.4G 1.56 dB @5G 1.64 dB@ 5.925~6.425GHz 1.67 dB @6425~6525GHz 1.72 dB @6.525~6.875GHz 1.79 dB@6.875~7.125GHz	PIFA	I-PEX	341
		Aux	DC33001QG10	1.04dBi @ 2.4GHz -0.19dBi @ 5GHz 1.51 dBi @ 5.925~6.425GHz 0.76 dBi @6425~6525GHz 0.87dBi @6.525~6.875GHz 1.48 dBi @6.875~7.125GHz	1.28 dB @2.4G 2.00 dB @5G 2.13 dB@ 5.925~6.425GHz 2.21dB @6425~6525GHz 2.26 dB @6.525~6.875GHz 2.31 dB@6.875~7.125GHz			439
21	Amphenol Taiwan Corporation	Main	DC33001VG20	1.91dBi @ 2.4GHz 1.9dBi @ 5GHz 2.38 dBi @ 5.925~6.425GHz 2.42 dBi @6425~6525GHz 2.83dBi @6.525~6.875GHz 2.99 dBi @6.875~7.125GHz	1.48 dB @2.4G 2.30 dB @5G 2.37dB@ 5.925~6.425GHz 2.44dB @6425~6525GHz 2.51dB @6.525~6.875GHz 2.58 dB@6.875~7.125GHz	PIFA	I-PEX	330
		Aux	DC33001VG30	1.36dBi @ 2.4GHz 2.98 dBi @ 5GHz 2.94 dBi @ 5.925~6.425GHz 2.94 dBi @6425~6525GHz 2.86 dBi @6.525~6.875GHz 2.5 dBi @6.875~7.125GHz	1.48 dB @2.4G 2.30dB @5G 2.37 dB@ 5.925~6.425GHz 2.44dB @6425~6525GHz 2.51 dB @6.525~6.875GHz 2.58 dB@6.875~7.125GHz			440
22	Amphenol Taiwan Corporation	Main	DC33001VG00	1.89dBi @ 2.4GHz 1.88 dBi @ 5GHz 2.39 dBi @ 5.925~6.425GHz 2.42 dBi @6425~6525GHz 2.79 dBi @6.525~6.875GHz 2.97 dBi @6.875~7.125GHz	0.81dB @ 2.4GHz 1.27dB @ 5GHz 1.31 dB @ 5.925~6.425GHz 1.31 dB @6425~6525GHz 1.32 dB @6.525~6.875GHz 1.32 dB @6.875~7.125GHz	PIFA	I-PEX	330
		Aux	DC33001VG10	1.31dBi @ 2.4GHz 2.92 dBi @ 5GHz 2.89 dBi @ 5.925~6.425GHz 2.83dBi @6425~6525GHz 2.81 dBi @6.525~6.875GHz 2.43 dBi @6.875~7.125GHz	1.08dB @ 2.4GHz 1.69 dB @ 5GHz 1.74 dB @ 5.925~6.425GHz 1.75dB @6425~6525GHz 1.76 dB @6.525~6.875GHz 1.77dB @6.875~7.125GHz			440

No.	Brand	Main/Aux	Model	Peak gain with cable loss	Cable Loss (dB) (this column option)	Antenna Type	Connector Type	Cable Length (mm)
23	Amphenol Taiwan Corporation	Main	DC33001VG50	1.86dBi @ 2.4GHz 2.57 dBi @ 5GHz 2.61 dBi @ 5.925~6.425GHz 2.61 dBi @ 6425~6525GHz 2.57dBi @ 6.525~6.875GHz 2.32 dBi @ 6.875~7.125GHz	0.78dB @ 2.4GHz 1.22dB @ 5GHz 1.26 dB @ 5.925~6.425GHz 1.27 dB @ 6425~6525GHz 1.28 dB @ 6.525~6.875GHz 1.29 dB @ 6.875~7.125GHz	PIFA	I-PEX	320
		Aux	DC33001VG60	1.60dBi @ 2.4GHz 2.31 dBi @ 5GHz 2.43 dBi @ 5.925~6.425GHz 2.38dBi @ 6425~6525GHz 2.17 dBi @ 6.525~6.875GHz 2.15 dBi @ 6.875~7.125GHz	1.08dB @ 2.4GHz 1.69 dB @ 5GHz 1.74 dB @ 5.925~6.425GHz 1.75dB @ 6425~6525GHz 1.76 dB @ 6.525~6.875GHz 1.77dB @ 6.875~7.125GHz			440
24	LUXSHARE-ICT	Main	DC33001VL00	1.89dBi @ 2.4GHz 1.88 dBi @ 5GHz 2.39 dBi @ 5.925~6.425GHz 2.42 dBi @ 6425~6525GHz 2.79 dBi @ 6.525~6.875GHz 2.97 dBi @ 6.875~7.125GHz	0.81dB @ 2.4GHz 1.27dB @ 5GHz 1.31 dB @ 5.925~6.425GHz 1.31 dB @ 6425~6525GHz 1.32 dB @ 6.525~6.875GHz 1.32 dB @ 6.875~7.125GHz	PIFA	I-PEX	330
		Aux	DC33001VL10	1.31dBi @ 2.4GHz 2.92 dBi @ 5GHz 2.89 dBi @ 5.925~6.425GHz 2.83dBi @ 6425~6525GHz 2.81 dBi @ 6.525~6.875GHz 2.43 dBi @ 6.875~7.125GHz	1.08dB @ 2.4GHz 1.69 dB @ 5GHz 1.74 dB @ 5.925~6.425GHz 1.75dB @ 6425~6525GHz 1.76 dB @ 6.525~6.875GHz 1.77dB @ 6.875~7.125GHz			440
25	LUXSHARE-ICT	Main	DC33001VL20	1.86dBi @ 2.4GHz 2.57 dBi @ 5GHz 2.61 dBi @ 5.925~6.425GHz 2.61 dBi @ 6425~6525GHz 2.57dBi @ 6.525~6.875GHz 2.32 dBi @ 6.875~7.125GHz	0.78dB @ 2.4GHz 1.22dB @ 5GHz 1.26 dB @ 5.925~6.425GHz 1.27 dB @ 6425~6525GHz 1.28 dB @ 6.525~6.875GHz 1.29 dB @ 6.875~7.125GHz	PIFA	I-PEX	320
		Aux	DC33001VL30	1.60dBi @ 2.4GHz 2.31 dBi @ 5GHz 2.43 dBi @ 5.925~6.425GHz 2.38dBi @ 6425~6525GHz 2.17 dBi @ 6.525~6.875GHz 2.15 dBi @ 6.875~7.125GHz	1.08dB @ 2.4GHz 1.69 dB @ 5GHz 1.74 dB @ 5.925~6.425GHz 1.75dB @ 6425~6525GHz 1.76 dB @ 6.525~6.875GHz 1.77dB @ 6.875~7.125GHz			440
26	Speed	Main	DC33001VH20	1.91dBi @ 2.4GHz 1.9dBi @ 5GHz 2.38 dBi @ 5.925~6.425GHz 2.42 dBi @ 6425~6525GHz 2.83dBi @ 6.525~6.875GHz 2.99 dBi @ 6.875~7.125GHz	1.48 dB @ 2.4G 2.30 dB @ 5G 2.37dB @ 5.925~6.425GHz 2.44dB @ 6425~6525GHz 2.51dB @ 6.525~6.875GHz 2.58 dB @ 6.875~7.125GHz	PIFA	I-PEX	330
		Aux	DC33001VH30	1.36dBi @ 2.4GHz 2.98 dBi @ 5GHz 2.94 dBi @ 5.925~6.425GHz 2.94 dBi @ 6425~6525GHz 2.86 dBi @ 6.525~6.875GHz 2.5 dBi @ 6.875~7.125GHz	1.48 dB @ 2.4G 2.30dB @ 5G 2.37 dB @ 5.925~6.425GHz 2.44dB @ 6425~6525GHz 2.51 dB @ 6.525~6.875GHz 2.58 dB @ 6.875~7.125GHz			440

No.	Brand	Main/Aux	Model	Peak gain with cable loss	Cable Loss (dB) (this column option)	Antenna Type	Connector Type	Cable Length (mm)
27	SPEED	Main	DC33001VH00	1.89dBi @ 2.4GHz 1.88 dBi @ 5GHz 2.39 dBi @ 5.925~6.425GHz 2.42 dBi @ 6425~6525GHz 2.79 dBi @ 6.525~6.875GHz 2.97 dBi @ 6.875~7.125GHz	0.81dB @ 2.4GHz 1.27dB @ 5GHz 1.31 dB @ 5.925~6.425GHz 1.31 dB @ 6425~6525GHz 1.32 dB @ 6.525~6.875GHz 1.32 dB @ 6.875~7.125GHz	PIFA	I-PEX	330
		Aux	DC33001VH10	1.31dBi @ 2.4GHz 2.92 dBi @ 5GHz 2.89 dBi @ 5.925~6.425GHz 2.83dBi @ 6425~6525GHz 2.81 dBi @ 6.525~6.875GHz 2.43 dBi @ 6.875~7.125GHz	1.08dB @ 2.4GHz 1.69 dB @ 5GHz 1.74 dB @ 5.925~6.425GHz 1.75dB @ 6425~6525GHz 1.76 dB @ 6.525~6.875GHz 1.77dB @ 6.875~7.125GHz			440
28	SPEED	Main	DC33001VH50	1.86dBi @ 2.4GHz 2.57 dBi @ 5GHz 2.61 dBi @ 5.925~6.425GHz 2.61 dBi @ 6425~6525GHz 2.57dBi @ 6.525~6.875GHz 2.32 dBi @ 6.875~7.125GHz	0.78dB @ 2.4GHz 1.22dB @ 5GHz 1.26 dB @ 5.925~6.425GHz 1.27 dB @ 6425~6525GHz 1.28 dB @ 6.525~6.875GHz 1.29 dB @ 6.875~7.125GHz	PIFA	I-PEX	320
		Aux	DC33001VH60	1.60dBi @ 2.4GHz 2.31 dBi @ 5GHz 2.43 dBi @ 5.925~6.425GHz 2.38dBi @ 6425~6525GHz 2.17 dBi @ 6.525~6.875GHz 2.15 dBi @ 6.875~7.125GHz	1.08dB @ 2.4GHz 1.69 dB @ 5GHz 1.74 dB @ 5.925~6.425GHz 1.75dB @ 6425~6525GHz 1.76 dB @ 6.525~6.875GHz 1.77dB @ 6.875~7.125GHz			440
29	AMPHENOL TAIWAN CORPORATION	Main	DC33001YA50	1.89dBi @ 2.4GHz 1.30dBi @ 5GHz 1.92 dBi @ 5.925~6.425GHz 1.32 dBi @ 6425~6525GHz 1.30dBi @ 6.525~6.875GHz 1.63 dBi @ 6.875~7.125GHz	1.12dB @ 2.4GHz 1.76dB @ 5GHz 1.87dB @ 5.925~6.425GHz 1.89 dB @ 6425~6525GHz 1.95dB @ 6.525~6.875GHz 2.00 dB @ 6.875~7.125GHz	PIFA	I-PEX	349
		Aux	DC33001YA60	1.27dBi @ 2.4GHz 1.41 dBi @ 5GHz 1.59 dBi @ 5.925~6.425GHz 1.59 dBi @ 6425~6525GHz 2.20 dBi @ 6.525~6.875GHz 1.63 dBi @ 6.875~7.125GHz	1.12dB @ 2.4GHz 1.67 dB @ 5GHz 1.88 dB @ 5.925~6.425GHz 1.90dB @ 6425~6525GHz 1.96dB @ 6.525~6.875GHz 2.01dB @ 6.875~7.125GHz			388
30	AMPHENOL TAIWAN CORPORATION	Main	DC33001YA10	1.91dBi @ 2.4GHz 1.68dBi @ 5GHz 2.07dBi @ 5.925~6.425GHz 1.36dBi @ 6425~6525GHz 2.62dBi @ 6.525~6.875GHz 2.26dBi @ 6.875~7.125GHz	1.31dB @ 2.4GHz 2.12 dB @ 5GHz 2.26dB @ 5.925~6.425GHz 2.28dB @ 6425~6525GHz 2.37dB @ 6.525~6.875GHz 2.43dB @ 6.875~7.125GHz	PIFA	I-PEX	346
		Aux	DC33001YA20	1.30dBi @ 2.4GHz 1.57 dBi @ 5GHz 1.69 dBi @ 5.925~6.425GHz 1.69 dBi @ 6425~6525GHz 2.25 dBi @ 6.525~6.875GHz 1.84 dBi @ 6.875~7.125GHz	1.33dB @ 2.4GHz 2.02dB @ 5GHz 2.29 dB @ 5.925~6.425GHz 2.31 dB @ 6425~6525GHz 2.40dB @ 6.525~6.875GHz 2.46dB @ 6.875~7.125GHz			386.5

No.	Brand	Main/Aux	Model	Peak gain with cable loss	Cable Loss (dB) (this column option)	Antenna Type	Connector Type	Cable Length (mm)
31	SPEEDWIRE	Main	DC33001Y910	1.91dBi @ 2.4GHz 1.68dBi @ 5GHz 2.07dBi @ 5.925~6.425GHz 1.36dBi @ 6425~6525GHz 2.62dBi @ 6.525~6.875GHz 2.26dBi @ 6.875~7.125GHz	1.31dB @ 2.4GHz 2.12 dB @ 5GHz 2.26dB @ 5.925~6.425GHz 2.28dB @ 6425~6525GHz 2.37dB @ 6.525~6.875GHz 2.43dB @ 6.875~7.125GHz	PIFA	I-PEX	346
		Aux	DC33001Y920	1.30dBi @ 2.4GHz 1.57 dBi @ 5GHz 1.69 dBi @ 5.925~6.425GHz 1.69 dBi @ 6425~6525GHz 2.25 dBi @ 6.525~6.875GHz 1.84 dBi @ 6.875~7.125GHz	1.33dB @ 2.4GHz 2.02dB @ 5GHz 2.29 dB @ 5.925~6.425GHz 2.31 dB @ 6425~6525GHz 2.40dB @ 6.525~6.875GHz 2.46dB @ 6.875~7.125GHz			386.5
32	SPEEDWIRE	Main	DC33001Y950	1.89dBi @ 2.4GHz 1.30dBi @ 5GHz 1.92 dBi @ 5.925~6.425GHz 1.32 dBi @ 6425~6525GHz 1.30dBi @ 6.525~6.875GHz 1.63 dBi @ 6.875~7.125GHz	1.12dB @ 2.4GHz 1.76dB @ 5GHz 1.87dB @ 5.925~6.425GHz 1.89 dB @ 6425~6525GHz 1.95dB @ 6.525~6.875GHz 2.00 dB @ 6.875~7.125GHz	PIFA	I-PEX	349
		Aux	DC33001Y960	1.27dBi @ 2.4GHz 1.41 dBi @ 5GHz 1.59 dBi @ 5.925~6.425GHz 1.59 dBi @ 6425~6525GHz 2.20 dBi @ 6.525~6.875GHz 1.63 dBi @ 6.875~7.125GHz	1.12dB @ 2.4GHz 1.67 dB @ 5GHz 1.88 dB @ 5.925~6.425GHz 1.90dB @ 6425~6525GHz 1.96dB @ 6.525~6.875GHz 2.01dB @ 6.875~7.125GHz			388
33	Speedwire	Main	DC33001WK10	1.93dBi @ 2.4GHz 2.85 dBi @ 5GHz 2.72 dBi @ 5.925~6.425GHz 2.9 dBi @ 6425~6525GHz 2.9 dBi @ 6.525~6.875GHz 2.73 dBi @ 6.875~7.125GHz	1.52dB @ 2.4GHz 2.46 dB @ 5GHz 2.62 dB @ 5.925~6.425GHz 2.65 dB @ 6425~6525GHz 2.74 dB @ 6.525~6.875GHz 2.81 dB @ 6.875~7.125GHz	PIFA	I-PEX	407
		Aux	DC33001WK20	1.60 dBi @ 2.4GHz 2.33 dBi @ 5GHz 2.92 dBi @ 5.925~6.425GHz 1.88 dBi @ 6425~6525GHz 1.85 dBi @ 6.525~6.875GHz 0.86 dBi @ 6.875~7.125GHz	1.40dB @ 2.4GHz 2.14 dB @ 5GHz 2.42 dB @ 5.925~6.425GHz 2.44 dB @ 6425~6525GHz 2.53 dB @ 6.525~6.875GHz 2.60 dB @ 6.875~7.125GHz			407
34	SPEEDWIRE	Main	DC33001WK50	1.86 dBi @ 2.4GHz 2.48 dBi @ 5GHz 2.65 dBi @ 5.925~6.425GHz 2.32 dBi @ 6425~6525GHz 2.32 dBi @ 6.525~6.875GHz 2.45 dBi @ 6.875~7.125GHz	1.30 dB @ 2.4GHz 1.94dB @ 5GHz 2.17 dB @ 5.925~6.425GHz 2.20 dB @ 6425~6525GHz 2.27 dB @ 6.525~6.875GHz 2.33 dB @ 6.875~7.125GHz	PIFA	I-PEX	405
		Aux	DC33001WK60	1.52 dBi @ 2.4GHz 2.15 dBi @ 5GHz 2.77 dBi @ 5.925~6.425GHz 1.79 dBi @ 6425~6525GHz 1.72 dBi @ 6.525~6.875GHz 0.74dBi @ 6.875~7.125GHz	1.18dB @ 2.4GHz 1.76dB @ 5GHz 1.98 dB @ 5.925~6.425GHz 2 dB @ 6425~6525GHz 2.07 dB @ 6.525~6.875GHz 2.12 dB @ 6.875~7.125GHz			406.5

No.	Brand	Main/Aux	Model	Peak gain with cable loss	Cable Loss (dB) (this column option)	Antenna Type	Connector Type	Cable Length (mm)
35	AWAN	Main	DC33001WH10 (AYP5Y-100004)	1.93dBi @ 2.4GHz 2.85 dBi @ 5GHz 2.72 dBi @ 5.925~6.425GHz 2.9 dBi @6425~6525GHz 2.9 dBi @6.525~6.875GHz 2.73 dBi @6.875~7.125GHz	1.52dB @ 2.4GHz 2.46 dB @ 5GHz 2.62 dB @ 5.925~6.425GHz 2.65 dB @6425~6525GHz 2.74 dB @6.525~6.875GHz 2.81 dB @6.875~7.125GHz	PIFA	I-PEX	431
		Aux	DC33001WH20 (AYP5Y-100005)	1.60 dBi @ 2.4GHz 2.33 dBi @ 5GHz 2.92 dBi @ 5.925~6.425GHz 1.88 dBi @6425~6525GHz 1.85 dBi @6.525~6.875GHz 0.86 dBi @6.875~7.125GHz	1.40dB @ 2.4GHz 2.14 dB @ 5GHz 2.42 dB @ 5.925~6.425GHz 2.44 dB @6425~6525GHz 2.53 dB @6.525~6.875GHz 2.60 dB @6.875~7.125GHz			412
36	AWAN	Main	DC33001WH50 (AYP6Y-100242)	1.86 dBi @ 2.4GHz 2.48 dBi @ 5GHz 2.65 dBi @ 5.925~6.425GHz 2.32 dBi @6425~6525GHz 2.32 dBi @6.525~6.875GHz 2.45 dBi @6.875~7.125GHz	1.30 dB @ 2.4GHz 1.94dB @ 5GHz 2.17 dB @ 5.925~6.425GHz 2.20 dB @6425~6525GHz 2.27 dB @6.525~6.875GHz 2.33 dB @6.875~7.125GHz	PIFA	I-PEX	432.5
		Aux	DC33001WH60 (AYP6Y-100243)	1.52 dBi @ 2.4GHz 2.15 dBi @ 5GHz 2.77 dBi @ 5.925~6.425GHz 1.79 dBi @6425~6525GHz 1.72 dBi @6.525~6.875GHz 0.74dBi @6.875~7.125GHz	1.18dB @ 2.4GHz 1.76dB @ 5GHz 1.98 dB @ 5.925~6.425GHz 2 dB @6425~6525GHz 2.07 dB @6.525~6.875GHz 2.12 dB @6.875~7.125GHz			401.5
37	AVX	Main	025.901X3.0001 (5004317)	0.67 dBi @ 2.4GHz -0.17 dBi @ 5GHz -0.14 dBi @ 5.925~6.425GHz -0.36 dBi @6425~6525GHz 0.72 dBi @6.525~6.875GHz 1.86 dBi @6.875~7.125GHz	0.37 dB @2.4G 0.63 dB @5G 0.66 dB @ 5.925~6.425GHz 0.67 dB @6425~6525GHz 0.69 dB @6.525~6.875GHz 0.71 dB @6.875~7.125GHz	PIFA	IPEX IV	108
		Aux	025.901X4.0001 (5004323)	1.9 dBi @ 2.4GHz -0.87 dBi @ 5GHz -1.39 dBi @ 5.925~6.425GHz -1.9 dBi @6425~6525GHz 1.35 dBi @6.525~6.875GHz 1.35 dBi @6.875~7.125GHz	0.77 dB @2.4G 1.19 dB @5G 1.36 dB @ 5.925~6.425GHz 1.37 dB @6425~6525GHz 1.42 dB @6.525~6.875GHz 1.45 dB @6.875~7.125GHz			232
38	AWAN	Main	025.901WZ.0001 (AYP6Y-100237)	1.72 dBi @ 2.4GHz 2.08 dBi @ 5GHz 2.26 dBi @ 5.925~6.425GHz 0.65 dBi @6425~6525GHz 1.04 dBi @6.525~6.875GHz 0.39 dBi @6.875~7.125GHz	0.27 dB @2.4G 0.65 dB @5G 0.69 dB @ 5.925~6.425GHz 0.7 dB @6425~6525GHz 0.76 dB @6.525~6.875GHz 0.81 dB @6.875~7.125GHz	PIFA	I-Pex (20565-001R-13)	108
		Aux	025.901X0.0001 (AYP6Y-100238)	0.65 dBi @ 2.4GHz 2.35 dBi @ 5GHz 2.26 dBi @ 5.925~6.425GHz 1.70 dBi @6425~6525GHz 1.65 dBi @6.525~6.875GHz 1.55 dBi @6.875~7.125GHz	0.57 dB @2.4G 1.37 dB @5G 1.47 dB @ 5.925~6.425GHz 1.49 dB @6425~6525GHz 1.6 dB @6.525~6.875GHz 1.72 dB @6.875~7.125GHz			232

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No.	Brand	Main/Aux	Model	Peak gain with cable loss	Cable Loss (dB) (this column option)	Antenna Type	Connector Type	Cable Length (mm)
39	AWAN	Main	AYP6Y-100377	2.31 dBi @ 2.4GHz 4.23 dBi @ 5GHz 4.12 dBi @ 5.925~6.425GHz 3.19 dBi @ 6.425~6.525GHz 4.44 dBi @ 6.525~6.875GHz 3.94 dBi @ 6.875~7.125GHz	0.5 dB @ 2.4G 0.7 dB @ 5G 0.8 dB @ 5.925~6.425GHz 0.8 dB @ 6.425~6.525GHz 0.8 dB @ 6.525~6.875GHz 0.8 dB @ 6.875~7.125GHz	PIFA	IPEX 20565-001R-13	172
		Aux	AYP6Y-100378	2.14 dBi @ 2.4GHz 4.13 dBi @ 5GHz 4.12 dBi @ 5GHz(JP only) 4.16 dBi @ 5.925~6.425GHz 3.71 dBi @ 6.425~6.525GHz 3.83 dBi @ 6.525~6.875GHz 3.38 dBi @ 6.875~7.125GHz	0.3 dB @ 2.4G 0.5 dB @ 5G 0.6 dB @ 5.925~6.425GHz 0.6 dB @ 6.425~6.525GHz 0.6 dB @ 6.525~6.875GHz 0.6 dB @ 6.875~7.125GHz			127
40	ASAP	Main	LA9RF460-CS-H	2.40 dBi @ 2.4GHz 4.56 dBi @ 5GHz 4.45 dBi @ 5GHz(JP only) 4.27 dBi @ 5.925~6.425GHz 4.15 dBi @ 6.425~6.525GHz 4.56 dBi @ 6.525~6.875GHz 4.00 dBi @ 6.875~7.125GHz	0.5 dB @ 2.4G 0.7 dB @ 5G 0.8 dB @ 5.925~6.425GHz 0.8 dB @ 6.425~6.525GHz 0.8 dB @ 6.525~6.875GHz 0.8 dB @ 6.875~7.125GHz	PIFA	IPEX 20565-001R-13	172
		Aux	LA9RF461-CS-H	2.23 dBi @ 2.4GHz 4.41 dBi @ 5GHz 4.33 dBi @ 5GHz(JP only) 4.26 dBi @ 5.925~6.425GHz 4.03 dBi @ 6.425~6.525GHz 4.45 dBi @ 6.525~6.875GHz 3.96 dBi @ 6.875~7.125GHz	0.3 dB @ 2.4G 0.5 dB @ 5G 0.6 dB @ 5.925~6.425GHz 0.6 dB @ 6.425~6.525GHz 0.6 dB @ 6.525~6.875GHz 0.6 dB @ 6.875~7.125GHz			127

41	AWAN	Main	DC33001WH10	1.93dBi @ 2.4GHz 2.85 dBi @ 5GHz 4.33 dBi @ 5GHz(JP only) 2.72 dBi @ 5.925~6.425GHz 2.9 dBi @ 6425~6525GHz 2.9 dBi @ 6.525~6.875GHz 2.73 dBi @ 6.875~7.125GHz	1.52dBi @ 2.4GHz 2.46 dBi @ 5GHz 2.62 dBi @ 5.925~6.425GHz 2.65 dBi @ 6425~6525GHz 2.74 dBi @ 6.525~6.875GHz 2.81 dBi @ 6.875~7.125GHz	PIFA	IPEX	407
		Aux	DC33001WH20	1.60 dBi @ 2.4GHz 2.33 dBi @ 5GHz 2.92 dBi @ 5.925~6.425GHz 1.88 dBi @ 6425~6525GHz 1.85 dBi @ 6.525~6.875GHz 0.86 dBi @ 6.875~7.125GHz	1.40dBi @ 2.4GHz 2.14 dBi @ 5GHz 2.42 dBi @ 5.925~6.425GHz 2.44 dBi @ 6425~6525GHz 2.53 dBi @ 6.525~6.875GHz 2.60 dBi @ 6.875~7.125GHz			407
42	AWAN	Main	DC33001WH50	1.86 dBi @ 2.4GHz 2.48 dBi @ 5GHz 2.65 dBi @ 5.925~6.425GHz 2.32 dBi @ 6425~6525GHz 2.32 dBi @ 6.525~6.875GHz 2.45 dBi @ 6.875~7.125GHz	1.30 dBi @ 2.4GHz 1.94dBi @ 5GHz 2.17 dBi @ 5.925~6.425GHz 2.20 dBi @ 6425~6525GHz 2.27 dBi @ 6.525~6.875GHz 2.33 dBi @ 6.875~7.125GHz	PIFA	IPEX	405
		Aux	DC33001WH60	1.52 dBi @ 2.4GHz 2.15 dBi @ 5GHz 2.77 dBi @ 5.925~6.425GHz 1.79 dBi @ 6425~6525GHz 1.72 dBi @ 6.525~6.875GHz 0.74dBi @ 6.875~7.125GHz	1.18dBi @ 2.4GHz 1.76dBi @ 5GHz 1.98 dBi @ 5.925~6.425GHz 2 dBi @ 6425~6525GHz 2.07 dBi @ 6.525~6.875GHz 2.12 dBi @ 6.875~7.125GHz			406.5

43	Amphenol Taiwan Corporation	Main	DC33001YS00	1.96 dBi @ 2.4GHz 2.68 dBi @ 5GHz 2.33 dBi @ 5.925~6.425GHz 2.21 dBi @ 6.425~6.525GHz 1.86 dBi @ 6.525~6.875GHz 1.93 dBi @ 6.875~7.125GHz	0.44 dB @ 2.4G 0.70 dB @ 5GHz 0.78 dB @ 5.925~6.425GHz 0.8 dB @ 6.425~6.525GHz 0.81 dB @ 6.525~6.875GHz 0.82 dB @ 6.875~7.125GHz	PIFA	i-pex(MHF)	100
		Aux	DC33001YS00	1.88 dBi @ 2.4GHz 2.57 dBi @ 5GHz 4.33 dBi @ 5GHz(JP only) 1.58 dBi @ 5.925~6.425GHz 2.73 dBi @ 6.425~6.525GHz 2.18 dBi @ 6.525~6.875GHz 2.29 dBi @ 6.875~7.125GHz	0.84 dB @ 2.4G 1.36 dB @ 5GHz 1.47 dB @ 5.925~6.425GHz 1.51 dB @ 6.425~6.525GHz 1.53 dB @ 6.525~6.875GHz 1.56 dB @ 6.875~7.125GHz			236
44	Amphenol Taiwan Corporation	Main	DC33001YS10	1.83 dBi @ 2.4GHz 0.88 dBi @ 5GHz 1.17 dBi @ 5.925~6.425GHz 0.7 dBi @ 6.425~6.525GHz 1.58 dBi @ 6.525~6.875GHz 1.72 dBi @ 6.875~7.125GHz	0.68 dB @ 2.4G 1.06 dB @ 5GHz 1.11 dB @ 5.925~6.425GHz 1.12 dB @ 6.425~6.525GHz 1.13 dB @ 6.525~6.875GHz 1.14 dB @ 6.875~7.125GHz	PIFA	i-pex(MHF)	272
		Aux	DC33001YS20	1.82 dBi @ 2.4GHz 1.32 dBi @ 5GHz 0.46 dBi @ 5.925~6.425GHz 0.99 dBi @ 6.425~6.525GHz 1.89 dBi @ 6.525~6.875GHz 2.06 dBi @ 6.875~7.125GHz	1.09 dB @ 2.4G 1.72 dB @ 5GHz 1.78 dB @ 5.925~6.425GHz 1.8 dB @ 6.425~6.525GHz 1.8 dB @ 6.525~6.875GHz 1.81 dB @ 6.875~7.125GHz			445

45	SPEEDWIRE	Main	DC33001YT00	1.96 dBi @ 2.4GHz 2.68 dBi @ 5GHz 2.33 dBi @ 5.925~6.425GHz 2.21 dBi @ 6.425~6.525GHz 1.86 dBi @ 6.525~6.875GHz 1.93 dBi @ 6.875~7.125GHz	0.44 dB @ 2.4G 0.70 dB @ 5GHz 0.78 dB @ 5.925~6.425GHz 0.8 dB @ 6.425~6.525GHz 0.81 dB @ 6.525~6.875GHz 0.82 dB @ 6.875~7.125GHz	PIFA	i-pex(MHF)	100
		Aux	DC33001YT00	1.88 dBi @ 2.4GHz 2.57 dBi @ 5GHz 1.58 dBi @ 5.925~6.425GHz 2.73 dBi @ 6.425~6.525GHz 2.18 dBi @ 6.525~6.875GHz 2.29 dBi @ 6.875~7.125GHz	0.84 dB @ 2.4G 1.36 dB @ 5GHz 1.47 dB @ 5.925~6.425GHz 1.51 dB @ 6.425~6.525GHz 1.53 dB @ 6.525~6.875GHz 1.56 dB @ 6.875~7.125GHz			236
46	SPEEDWIRE	Main	DC33001YT10	1.83 dBi @ 2.4GHz 0.88 dBi @ 5GHz 1.17 dBi @ 5.925~6.425GHz 0.7 dBi @ 6.425~6.525GHz 1.58 dBi @ 6.525~6.875GHz 1.72 dBi @ 6.875~7.125GHz	0.68 dB @ 2.4G 1.06 dB @ 5GHz 1.11 dB @ 5.925~6.425GHz 1.12 dB @ 6.425~6.525GHz 1.13 dB @ 6.525~6.875GHz 1.14 dB @ 6.875~7.125GHz	PIFA	i-pex(MHF)	272
		Aux	DC33001YT20	1.82 dBi @ 2.4GHz 1.32 dBi @ 5GHz 0.46 dBi @ 5.925~6.425GHz 0.99 dBi @ 6.425~6.525GHz 1.89 dBi @ 6.525~6.875GHz 2.06 dBi @ 6.875~7.125GHz	1.09 dB @ 2.4G 1.72 dB @ 5GHz 1.78 dB @ 5.925~6.425GHz 1.8 dB @ 6.425~6.525GHz 1.8 dB @ 6.525~6.875GHz 1.81 dB @ 6.875~7.125GHz			445

5. The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

Appendix - Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

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The address and road map of all our labs can be found in our web site also.

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