



DFS TEST REPORT

Applicant : ELECOM CO., LTD.

Address : 2F Kudan First Place, 4-1-28, Kudan Kita,
Chiyoda ward, Tokyo, Japan 102-0073

Equipment : 11ax/ac/a/n 1201Mbps 2x2
11ax/b/g/n 574Mbps 2x2
11ax Mesh Repeater

Model No. : WSC-X1800GS-B

Trade Name : ELECOM

I HEREBY CERTIFY THAT :

The sample was received on Dec. 07, 2020 and the testing was completed on Dec. 22, 2020 at Cerpass Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of Cerpass Technology Corp., the test report shall not be reproduced except in full.

Approval by:

Mark Liao / Supervisor

Laboratory Accreditation:

Cerpass Technology Corporation Test Laboratory



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History of this test report

Report No.	Issue Date	Description
TEMS1912104	May. 19, 2020	Original
TEMS2012045	Dec. 25, 2020	Replace DC-DC parts and three kinds of transformers (Bi-tek / ZSNOW / TAG).



1. Summary of Test Procedure and Test Results

1.1 Applicable Standards

TELEC-T403 (2019-09):

- Item 19 of Article 2

* The lab has reduced the uncertainty risk factor from test equipment, environment and staff technicians which according to the standard on contract. Therefore, the test result will only be determined by standard requirement.

*The difference are as listed below, after engineering evaluation, Spurious Emissions (TX) (30MHz ~ 1GHz) and Spurious Emissions (RX) (30MHz ~ 1GHz) is the only item needs to be retested. The rest test results can refer to original report number: TEMS1912104.

1. Replace DC-DC parts and three kinds of transformers (Bi-tek / ZSNOW / TAG).

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2. Test Configuration of Equipment under Test

2.1 Feature of Equipment under Test

Frequency Range	802.11b/g/n/ax: 2400-2483.5MHz 802.11a/n/ac/ax: 5150-5250MHz, 5250-5350MHz, 5470-5730MHz
Modulation Type	WLAN: 2.4GHz: 802.11b: CCK, DQPSK, DBPSK 802.11g/n: BPSK, QPSK, 16QAM, 64QAM, 256QAM(TurboQAM) 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM 5GHz: 802.11n/a: BPSK, QPSK, 16QAM, 64QAM 802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
Modulation Technology	DSSS, OFDM, OFDMA
Data Rate	WLAN: 2.4GHz: 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS15, HT20/40 MCS0 – MCS9, VHT20/40(TurboQAM) 802.11ax: MCS0 – MCS11, HE20/40 5GHz: 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS15, HT20/40/80 802.11ac: MCS0 – MCS9, VHT20/40/80 802.11ax: MCS0 – MCS11, HE20/40/80
Antenna Type	Dipole Antenna
Antenna Gain	2400-2483.5MHz: ANT A:1.60dBi, ANT B:1.80dBi 5150-5250MHz: ANT A:2.80dBi, ANT B:2.80dBi 5250-5350MHz: ANT A:2.80dBi, ANT B:2.70dBi 5470-5730MHz: ANT A:2.70dBi, ANT B:2.60dBi
Adapter	ELECOM / ADP34-029 Y3 INPUT: 100-240Vac, 50/60Hz, 0.35A OUTPUT: 12Vdc, 1.0A

Note: 1.For more details, please refer to the User's manual of the EUT.

2.The EUT only support Repeater Mode

3.Wlan 2.4G 802.11n Support TurboQAM

-----THE END OF REPORT-----