



RF Exposure Evaluation Report

Application No.: DNT2606013150R06302-10490
Applicant: Well Linkage Co., Ltd.
Address of Applicant: 23F-1, No.76, Sec. 2, Dunhua South Road, Taipei City, Taiwan
EUT Description: WLAN / Bluetooth Adapter
Model No.: DS C1 BT WLAN (6862192)
FCC ID: QUJ-6862192
Power Supply: DC 5V
Trade Mark: Dentsply Sirona
Standards: 47 CFR Part 2.1091
FCC KDB 447498 D01 v06
Date of Receipt: 2026/05/01
Date of Test: 2026/05/01 to 2026/08/11
Date of Issue: 2026/08/11
Test Result: **PASS**

Prepared By: Calk. Lin (Testing Engineer)

Reviewed By: Wayne. Lin (Project Engineer)

Approved By: Hense Shan (Manager)



Note: If there is any objection to the results in this report, please submit a written inquiry to the company within 15 days from the date of receiving the report. The test report is effective only with both signature and specialized stamp, and is issued by the company in accordance with the requirements of the "Conditions of Issuance of Test Reports" printed in the attached page. Unless otherwise stated, the results presented in this report only apply to the samples tested this time. Partial reproduction of this report is not allowed unless approved by the company in writing.

Guangdong DN Testing Co., Ltd.

Add: No. 1, West Fourth Street, Xingfa South Road, Wusha Community, Chang 'an Town, Dongguan City, Guangdong P.R.China

Tel: +86-769-88087383

E-mail: service@dn-testing.com



Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	August 11, 2026	Valid	Original Report



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1 General Information

1.1 Test Location

Company:	Guangdong DN Testing Co., Ltd
Address:	No. 1, West Fourth Street, South Xinfu Road, Wusha Liwu, Chang 'an Town, Dongguan City, Guangdong P.R.China
Test engineer:	Gali Lin

1.2 General Description of EUT

Manufacturer:	Well Linkage Co., Ltd.
Address of Manufacturer:	7F., No.56, Sec. 5, Nanjing E. Rd., Songshan Dist., Taipei City 10597, Taiwan
Factory :	SINSONIC(DONGGUAN) ELECTRONIC CO.LTD
Address of Factory :	523653 2F, Building-8, Ban-Shih High Tech. Park. Jinqiao Industrial District, Qingxi, Dongguan City, Guangdong China
EUT Description:	WLAN / Bluetooth Adapter
Model No.(EUT):	DS C1 BT WLAN (6862192)
Addition Model(s):	/
Supply Power:	DC 5V
Trade Mark:	Dentsply Sirona
Hardware Version:	V1.0
Software Version:	V1.0
Serial number:	PR2606013150R06302
Chip Type:	MT7921
Sample Type:	☐ Portable Device, ☐ Module, ☒ Mobile Device
Antenna Type:	☐ External, ☒ Integrated
Antenna Ports:	☒ Ant 1, ☒ Ant 2, ☐ Ant 3
Antenna Gain:	☒ Provided by applicant
	ANT2 BT:2.16dBi 2.4G(ANT1 WIFI0:1.70dBi; ANT1 WIFI1:1.90dBi) 5.1G(ANT1 WIFI0:-0.60dBi; ANT1 WIFI1:0.20dBi) 5.8G(ANT1 WIFI0:-0.80dBi; ANT1 WIFI1:0.50dBi)
Note: *Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, DNT is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.	



2 RF Exposure Evaluation

2.1 RF Exposure Compliance Requirement

2.1.1 Limits

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100,000	/	/	5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30
F=frequency in MHz *=Plane-wave equivalent power density RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).				

Friis Formula

Friis transmission formula: $P_d = (P_{out} * G) / (4 * \pi * R^2)$

Where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

R = distance between observation point and center of the radiator in cm

P_d is the limit of MPE, 1 mW/cm². If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.



2.1.2 Test Procedure

Software provided by client enabled the EUT to transmit data at lowest, middle and highest channel individually

2.1.3 EUT RF Exposure Evaluation

Antenna Gain: The maximum Gain measured in fully anechoic chamber is 2.0 / 2.0 in linear scale.

Output Power Into Antenna & RF Exposure Evaluation Distance:

This confirmed that the device comply with MPE limit.

Test Mode	Antenna	Freq(MHz)	Power[dBm]
DH5	Ant1	2402	2.55
		2441	2.52
		2480	2.46
2DH5	Ant1	2402	2.49
		2441	2.48
		2480	2.44
3DH5	Ant1	2402	2.50
		2441	2.47
		2480	2.40
BLE_1M	Ant1	2402	2.52
		2440	2.38
		2480	2.37

Test Mode	Antenna	Frequency[MHz]	Result [dBm]
11B	Ant1	2412	2.97
11B	Ant2	2412	0.46
11B	Ant1	2437	0.87
11B	Ant2	2437	0.4
11B	Ant1	2462	0.82
11B	Ant2	2462	0.25
11G	Ant1	2412	0.09
11G	Ant2	2412	0.32
11G	Ant1	2437	0.26
11G	Ant2	2437	0.43
11G	Ant1	2462	0.17
11G	Ant2	2462	0.44
11N20MIMO	Ant1	2412	1.36
11N20MIMO	Ant2	2412	2.13
11N20MIMO	total	2412	4.77
11N20MIMO	Ant1	2437	1.09
11N20MIMO	Ant2	2437	0.44
11N20MIMO	total	2437	3.79



11N20MIMO	Ant1	2462	0.15
11N20MIMO	Ant2	2462	1.77
11N20MIMO	total	2462	4.05
11N40MIMO	Ant1	2422	0.76
11N40MIMO	Ant2	2422	1.19
11N40MIMO	total	2422	3.99
11N40MIMO	Ant1	2437	0.59
11N40MIMO	Ant2	2437	0.29
11N40MIMO	total	2437	3.45
11N40MIMO	Ant1	2452	2.91
11N40MIMO	Ant2	2452	2.61
11N40MIMO	total	2452	5.77

Test Mode	Antenna	Frequency [MHz]	Result [dBm]
11A	Ant1	5180	-0.58
11A	Ant2	5180	-0.71
11A	Ant1	5200	-0.07
11A	Ant2	5200	-1.22
11A	Ant1	5240	-0.1
11A	Ant2	5240	-1.44
11A	Ant1	5745	-0.48
11A	Ant2	5745	-2.1
11A	Ant2	5785	-0.72
11A	Ant1	5785	1.87
11A	Ant1	5825	-1.19
11A	Ant2	5825	-0.85
11N20MIMO	Ant1	5180	-3.21
11N20MIMO	Ant2	5180	-0.75
11N20MIMO	total	5180	1.2
11N20MIMO	Ant1	5200	-3.01
11N20MIMO	Ant2	5200	-0.93
11N20MIMO	total	5200	1.16
11N20MIMO	Ant1	5240	-2.53
11N20MIMO	Ant2	5240	-0.97
11N20MIMO	total	5240	1.33



11N20MIMO	Ant1	5745	-2.03
11N20MIMO	Ant2	5745	-0.71
11N20MIMO	total	5745	1.69
11N20MIMO	Ant1	5785	-2.16
11N20MIMO	Ant2	5785	-1.47
11N20MIMO	total	5785	1.21
11N20MIMO	Ant1	5825	-2.71
11N20MIMO	Ant2	5825	-1.53
11N20MIMO	total	5825	0.93
11N40MIMO	Ant1	5190	-0.85
11N40MIMO	Ant2	5190	2.14
11N40MIMO	total	5190	3.91
11N40MIMO	Ant1	5230	-0.84
11N40MIMO	Ant2	5230	1.56
11N40MIMO	total	5230	3.53
11N40MIMO	Ant1	5755	-1.87
11N40MIMO	Ant2	5755	-0.44
11N40MIMO	total	5755	1.91
11N40MIMO	Ant1	5795	-2.01
11N40MIMO	Ant2	5795	-1.09
11N40MIMO	total	5795	1.48
11AC20MIMO	Ant1	5180	-1.21
11AC20MIMO	Ant2	5180	1.31
11AC20MIMO	total	5180	3.24
11AC20MIMO	Ant1	5200	-0.6
11AC20MIMO	Ant2	5200	1.08
11AC20MIMO	total	5200	3.33
11AC20MIMO	Ant1	5240	-0.66
11AC20MIMO	Ant2	5240	1.35
11AC20MIMO	total	5240	3.47
11AC20MIMO	Ant1	5745	-2.01
11AC20MIMO	Ant2	5745	-2.89
11AC20MIMO	total	5745	0.58
11AC20MIMO	Ant1	5785	-0.38
11AC20MIMO	Ant2	5785	-1.99
11AC20MIMO	total	5785	1.9
11AC20MIMO	Ant1	5825	-1
11AC20MIMO	Ant2	5825	-2.53

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11AC20MIMO	total	5825	1.31
11AC40MIMO	Ant1	5190	1.16
11AC40MIMO	Ant2	5190	0.06
11AC40MIMO	total	5190	3.66
11AC40MIMO	Ant1	5230	1.95
11AC40MIMO	Ant2	5230	0.39
11AC40MIMO	total	5230	4.25
11AC40MIMO	Ant1	5755	-0.71
11AC40MIMO	Ant2	5755	-1.33
11AC40MIMO	total	5755	2
11AC40MIMO	Ant1	5795	-0.25
11AC40MIMO	Ant2	5795	-1.56
11AC40MIMO	total	5795	2.15

The Worst Mode	Antenna	output power (dBm)	Target power (dBm)	MAX Target power (dBm)	Antenna gain		Power Density (S) (mW /cm ²)	Limited of Power Density (S) (mW /cm ²)	Test Result	Distance (cm)
					(dBi)	(Linear)				
DH5	Ant1	2.55	2±1	0.2	2.16	1.6444	0.0007	1	Complies	20
BLE_1M	Ant1	2.52	2±1	3	2.16	1.6444	0.0007	1	Complies	20
2.4G 11N40MIMO	total	5.77	5±1	6	1.9	1.5488	0.0012	1	Complies	20
5G 11AC40MIMO	total	4.25	4±1	5	0.2	1.0471	0.0007	1	Complies	20

BT+2.4GWIFI+5GWIFI

Radio BT	Radio 2.4GWIFI	Radio 5GWIFI	Total Radio	Limit	Result
0.0007	0.0012	0.0007	0.0026	1	Complies

The result less than 1, so complies.

The End Report

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