

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240300095507

Page: 1 of 10

RF Exposure Evaluation Report

Application No.: SZCR2403000955AT Applicant: DT Research, Inc.

Address of Applicant: 3RD FL NO 36 WUQUAN 7TH RD WUGU DISTRICT, NEW TAIPEI,

Taiwan

Manufacturer: DT Research, Inc.

Address of Manufacturer: 2000 Concourse Drive, San Jose, CA 95131, USA

Factory: DT Research, Inc. Taiwan Branch

Address of Factory: 6F., No.36 Wuquan 7th Rd., Wugu Dist. New Taipei City 248 Taiwan

Equipment Under Test (EUT):

EUT Name: Battery Powered Computer

Model No.: 584TM, 584TXXXX ("X" = blank, A-Z or 0-9)

Please refer to section 3.1 of this report which indicates which model was

actually tested and which were electrically identical.

Trade Mark:

DT Research

FCC ID: YE3600-AX210NG

Standards: 47 CFR Part 1.1307, 47 CFR Part 1.1310, 47 CFR Part 2.1091

Date of Receipt: 2024-03-21

Date of Test: 2024-04-01 to 2024-04-12

Date of Issue: 2024-04-15

Test Result: PASS*

In the configuration tested, the EUT complied with the standards specified above.

EMC Laboratory Manager



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's indings at the time of its intervention only and within the limits of lient's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@gs.com"

No.1 Workshop, Mr-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240300095507

Page: 2 of 10

1 Version

Revision Record									
Version	Chapter	Date	Modifier	Remark					
01		2024-04-15		Original					

Authorized for issue by:		
	Bolisonti	
	Edison Li/Project Engineer	
	Exic Fu	
	Eric Fu/Reviewer	_



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

to the fullest extent or the taw. Unless outerwise stated the results shown in the total region of the state of the sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

New York of the state of the sample of the



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240300095507

Page: 3 of 10

2 Contents

		Page
1	1 VERSION	2
2	2 CONTENTS	3
3	3 GENERAL INFORMATION	
	3.1 GENERAL DESCRIPTION	4
	3.2 Test Location	S
	3.3 Test Facility	S
	3.4 DEVIATION FROM STANDARDS	3
	3.5 ABNORMALITIES FROM STANDARD CONDITIONS	8
4	4 RF EXPOSURE EVALUATION	9
	4.1 RF Exposure Compliance Requirement	9
	4.1.1 Limits	9
	4.1.2 Test Procedure	9
	4.1.3 EUT RF Exposure Evaluation	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443,

| No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.group.com.cn
中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.cbina@sgs.com



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240300095507

Page: 4 of 10

3 General Information

3.1 General Description

Power supply:	Medical AC Adapter			
	Model: EM11011M-190			
	Input: AC 100-240V, 2.0-1.0A, 50-60Hz			
	Output: DC 19.0V, 6.31A, 120.0W			
	Li-ion Rechargeable Battery Pack			
	Model: ACC-006-591A(3INR19/66-3)			
	Rated Capacity: 8250mAh			
	Voltage: 10.9VDC			
	Watt-Hour:90Wh			
Cable(s):	DC cable:120cm with a ferrite core			
Internal Source:	More than 108MHz			
For Bluetooth Classic mode	T			
Operation Frequency:	2402MHz to 2480MHz			
Bluetooth Version:	V5.2			
Spectrum Spread	Frequency Hopping Spread Spectrum(FHSS)			
Technology:				
Modulation Type:	GFSK, π/4DQPSK, 8DPSK			
Number of Channels:	79			
Channel Spacing:	1MHz			
Antenna Type:	PIFA Antenna			
Antenna Gain:	2.5Bi			
For Bluetooth LE mode				
Operation Frequency:	2402MHz to 2480MHz			
Bluetooth Version:	V5.2			
Channel Spacing:	2MHz			
Modulation Type:	GFSK			



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

to the fullest extent of the raw. Offices out the state of the full state of the ful

No.1 Workshop, M-10, Middle Section, Science & Technology Part, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240300095507

Page: 5 of 10

Number of Channels:	40							
Data rate:	1Mbps, 2Mbps	S						
Antenna Type:	PIFA Antenna	PIFA Antenna						
Antenna Gain:	2.5dBi							
For 802.11b/g/n:								
Operation Francisco	802.11b/g/n/ax	x(HT20): 2412MHz to 247	2MHz					
Operation Frequency:	802.11n/ax(H	Г40): 2422MHz to 2462MH	l z					
	802.11b: DSS	S(CCK, DQPSK, DBPSK)						
Modulation Type:	802.11g/n: OF	DM(QPSK, BPSK, 16QAN	И, 64QAM)					
	802.11ax: OF	DMA(QPSK, BPSK, 16QA	M, 64QAM, 256Q	AM, 1024QAM)				
Channel Numbers:	802.11b/g, 802	2.11n/ax HT20: 13 Channe	els					
Charmer Numbers.	802.11n/ax HT40: 9 Channels							
Antenna Type:	PIFA Antenna							
Antenna Gain:	Antenna1: 2.5dBi, Antenna2: 2.7dBi							
	Note: MIMO fo	or 802.11n/ax.						
For 802.11a/n/ac/ax: U-NII-1, I	J-NII-2A, U-NII-2	2C, U-NII-3, U-NII-5, U-NII	I-6, U-NII-7, U-NII	-8				
Operation Frequency:	Band	Mode	Frequency	Number of				
			Range(MHz)	channels				
	UNII Band I	802.11a/n/ac/ax(HT20)	5180-5240	4				
		802.11n/ac/ax(HT40)	5190-5230	2				
		802.11ac/ax(HT80)	5210	1				
	UNII Band II-	802.11a/n/ac/ax(HT20)	5260-5320	4				
	Α	802.11n/ac/ax(HT40)	5270-5310	2				
		802.11ac/ax(HT80)	5290	1				
		802.11ac/ax(HT160)	5250	1				
	UNII Band II-	802.11a/n/ac/ax(HT20)	5500-5720	12				
	С	802.11n/ac/ax(HT40)	5510-5710	6				
		802.11ac/ax(HT80)	5530-5690	3				
		802.11ac/ax(HT160)	5570	1				



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. to the fullest extent or the raw. Onless outer has stated the Cartest and Cart

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t(86-755)26012053 f(86-755)26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240300095507

Page: 6 of 10

	1	1		_	
	UNII Band III	802.11a/n/ac/ax(HT20)	5745-5825	5	
		802.11n/ac/ax(HT40)	5755-5795	2	
		802.11ac/ax(HT80)	5775	1	
		802.11a/n/ac/ax(HT20)	5955-6415	24	
		802.11n/ac/ax(HT40)	5965-6405	12	
	UNII Band 5	802.11ac/ax(HT80)	5985-6385	6	
		802.11ac/ax(HT160)	6025-6345	3	
		802.11a/n/ac/ax(HT20)	6435-6515	5	
		802.11n/ac/ax(HT40)	6445-6485	2	
	UNII Band 6	802.11ac/ax(HT80)	6465-6545	2	
		802.11ac/ax(HT160)	6505	1	
		802.11a/n/ac/ax(HT20)	6535-6855	17	
	UNII Band 7	802.11n/ac/ax(HT40)	6525-6845	9	
		802.11ac/ax(HT80)	6625-6785	3	
		802.11ac/ax(HT160)	6665	1	
	UNII Band 8	802.11a/n/ac/ax(HT20)	6875-7115	13	
		802.11n/ac/ax(HT40)	6885-7085	6	
		802.11ac/ax(HT80)	6865-7025	3	
		802.11ac/ax(HT160)	6985	1	
Modulation Type:	802.11a: OFD	M(QPSK, BPSK, 16QAM,	64QAM)		
	802.11n: OFD	M(QPSK, BPSK, 16QAM,	64QAM)		
	802.11ac: OF	OM(QPSK, BPSK, 16QAM,	, 64QAM, 256QA	M)	
	802.11ax: OF	OMA(QPSK, BPSK, 16QAN	M, 64QAM, 256Q	AM, 1024QAM)	
DFS Function:	Slave without i	radar detection			
TPC Function: Not support					
Antenna Type:	PIFA Antenna				
Antenna Gain:	Antenna1: 3.0	dBi, Antenna2: 2.9dBi @5	180MHz~5825M	Hz	
		dBi, Antenna2: 3.1dBi @5			
TPC Function: Antenna Type:	802.11ax: OFE Slave without in Not support PIFA Antenna Antenna1: 3.0	DMA(QPSK, BPSK, 16QAN radar detection dBi, Antenna2: 2.9dBi @5	M, 64QAM, 256Q	AM, 1024QAN	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

to the fullest extent of the law. Offices culterwise stated the research in the state of the sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or applied to the property of the sample of the sample

No.1 Workshop, M-10, Middle Section, Science & Technology Part, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240300095507

Page: 7 of 10

Note: MIMO for 802.11n/ac/ax

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

Declaration of EUT Family Grouping:

Model No.: 584TM, 584TXXXX ("X" = blank, A-Z or 0-9)

Only the model 584TM was tested, since according to the declaration from the applicant, the electrical circuit design, PCB layout, components used and internal wiring and functions were identical for the above models, with only difference on model No..



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN. Doccheck@sgs.com

No. Willingholds Will Willing at Individual Deck Handels (Parks Carpedon Chine 540057 to 1987 755) 98019059 f (98-755) 98710504 www.sgsgroup.com.c

No.1Wortshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240300095507

Page: 8 of 10

3.2 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

3.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

VCCI (Member No. 1937)

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

FCC - Designation Number: CN1336

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

3.4 Deviation from Standards

None.

3.5 Abnormalities from Standard Conditions

None.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1 Wordshop, Nr.1, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240300095507

Page: 9 of 10

4 RF Exposure Evaluation

4.1 RF Exposure Compliance Requirement

4.1.1 Limits

According to FCC Part1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in part1.1307(b)

Table 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency range (MHz)	Electric field Magnetic field strength (V/m) (A/m)		Power density (mW/cm²)	Averaging time (minutes)	
(A) Lim	its for Occupational	/Controlled Exposur	es		
0.3–3.0 3.0–30 30–300 300–1500 1500–100,000	614 1842/f 61.4	1.63 4.89/f 0.163	*(100) *(900/f²) 1.0 f/300 5	6 6 6 6	
(B) Limits	for General Populati	on/Uncontrolled Exp	oosure		
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

Friis Formula

Friis transmission formula: Pd = (Pout*G)/(4* Pi * R2)

Where

Pd = power density in mW/cm²

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

For Uncontrolled Environment, the MPE limit of 300MHz to 1500MHz is f/1500 mW/cm², the MPE limit of 1500MHz to 100000MHz is 1.0 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.

4.1.2 Test Procedure

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



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing (inspection report & certificate, please contact us at telephone: (86-755) 8307 1443.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

No.1Wortshop, M-10, Midde Section, Science & Technology Park, Nanshan District, Shenzhan, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240300095507

Page: 10 of 10

4.1.3 EUT RF Exposure Evaluation

1) Test Results

The max tune-up tolerance power Into Antenna1 & RF Exposure Evaluation Distance:

Туре	Test Freq. (MHz)	Max Antenna Gain (dBi)	Max Antenna Gain (Numeric)	Max tune-up tolerance power (dBm)	Max tune-up Tolerance power to Antenna (mW)	Power Density at R=20cm (mW/cm²)	Limit (mW/cm²)	MPE Ratios	Result
BT	2402	2.50	1.78	11.50	14.13	0.0050	1.0000	0.0050	PASS
BLE	2402	2.50	1.78	10.00	10.00	0.0035	1.0000	0.0035	PASS
2.4G	2412	2.50	1.78	28.49	706.32	0.2499	1.0000	0.2499	PASS
5G	5180	3.00	2.00	22.14	163.68	0.0650	1.0000	0.0650	PASS
5.8G	5745	3.00	2.00	21.40	138.04	0.0548	1.0000	0.0548	PASS
6G	5955	2.90	1.95	14.12	25.82	0.0100	1.0000	0.0100	PASS

The max tune-up tolerance power Into Antenna2 & RF Exposure Evaluation Distance:

Туре	Test Freq. (MHz)	Max Antenna Gain (dBi)	Max Antenna Gain (Numeric)	Max tune-up tolerance power (dBm)	Max tune-up Tolerance power to Antenna (mW)	Power Density at R=20cm (mW/cm²)	Limit (mW/cm²)	MPE Ratios	Result
2.4G	2412	2.70	1.86	26.31	427.56	0.1584	1.0000	0.1584	PASS
5G	5180	2.30	1.70	21.29	134.59	0.0455	1.0000	0.0455	PASS
5.8G	5745	2.30	1.70	21.26	133.66	0.0452	1.0000	0.0452	PASS
6G	5955	3.10	2.04	13.80	23.99	0.0097	1.0000	0.0097	PASS

Note: Refer to report No. 200611-03 or EUT test Max Conducted Peak Output Power value.

The distancer (4th column) calculated from the Fries transmission formula is far greater than 20 cm separation requirement, the MPE limit of 1500MHz to 100000MHz is 1.0 mW/cm².

The antenna1 and antenna2 can synchronous transmission at the same time.

The simultaneous transmission result between of antenna1 and antenna2:

The SAR Exclusion Threshold Level:

=CPD1 / LPD1 + CPD2 / LPD2

(CPD = Calculation power density, LPD = Limit of power density)

= (0.2499/1) + (0.1584/1) = 0.4083 < 1

Since the SAR Exclusion Threshold Level is well below the SAR low threshold level, so the EUT is considered to comply with SAR requirement without testing.

-End of Report-



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

to the fullest extent of the law. Offices out of the standard of the fullest extent of the law. Offices out of the standard of

No.1Wortshop, M-10, Midde Section, Science & Technology Park, Nanshan District, Shenzhan, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com