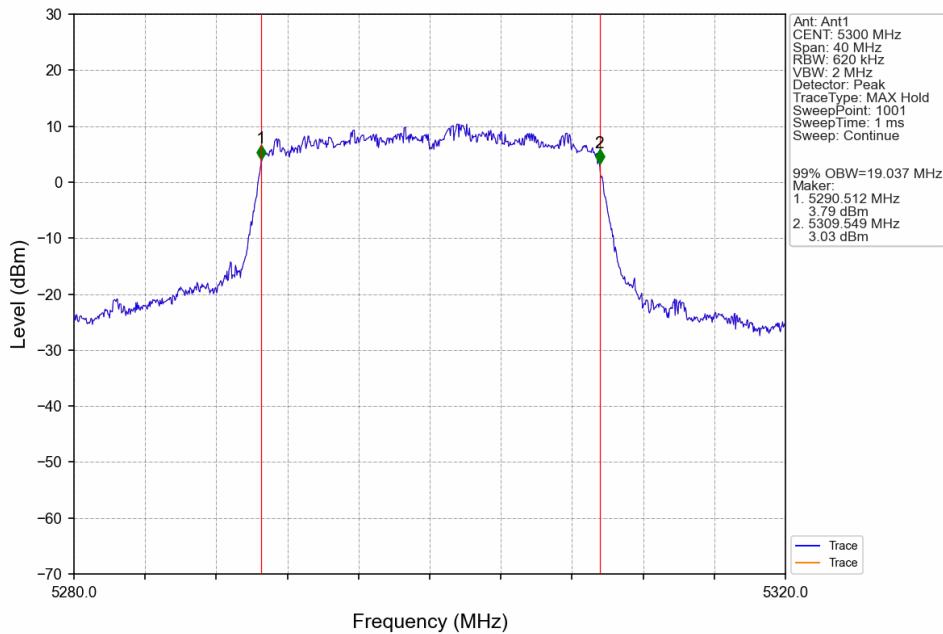
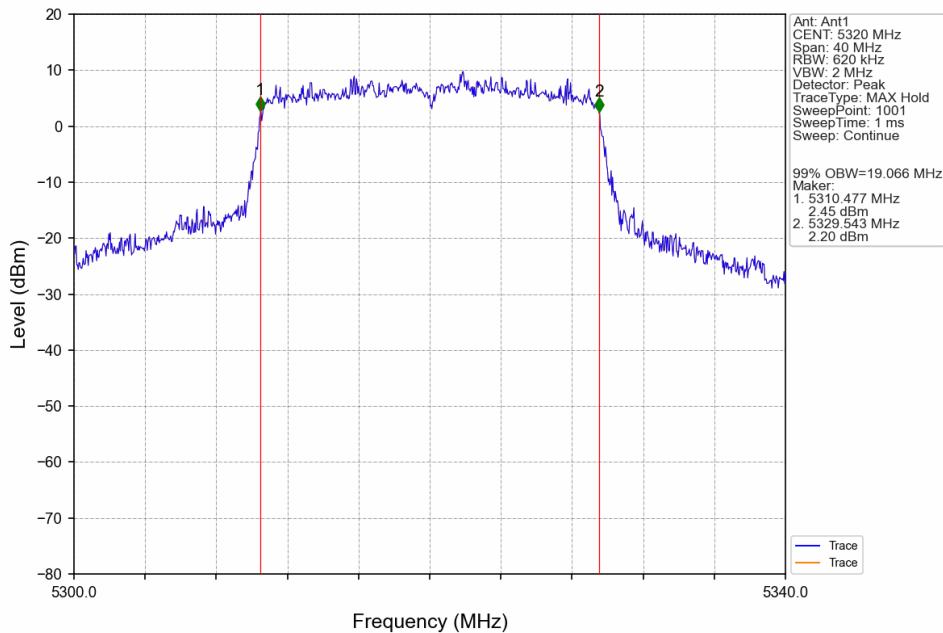


**802.11ax(HEW20)\_MCH\_5300MHz\_SU\_Ant1\_NTNV****802.11ax(HEW20)\_HCH\_5320MHz\_SU\_Ant1\_NTNV**

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

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.

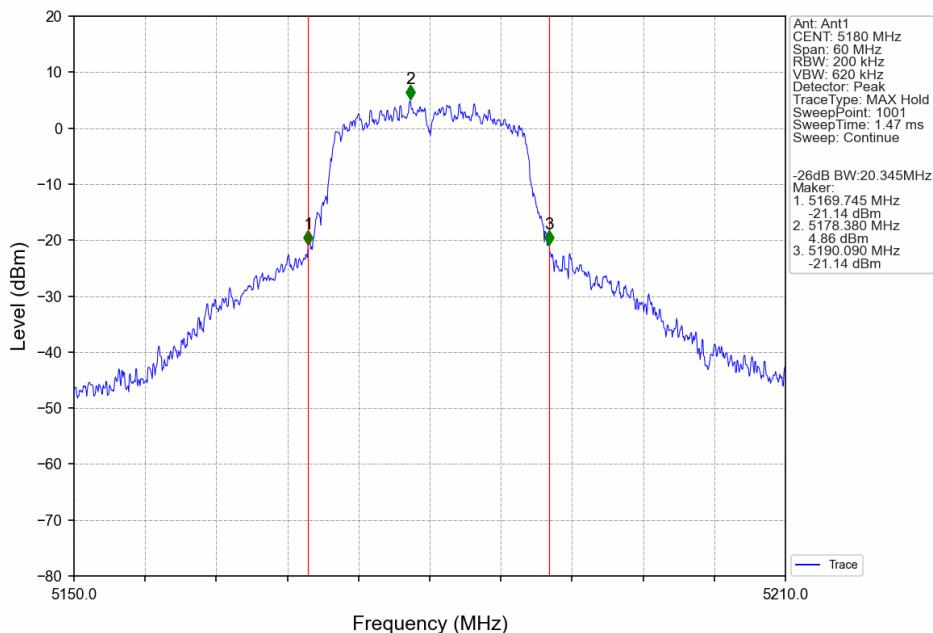
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

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](http://www.sgsgroup.com.cn)

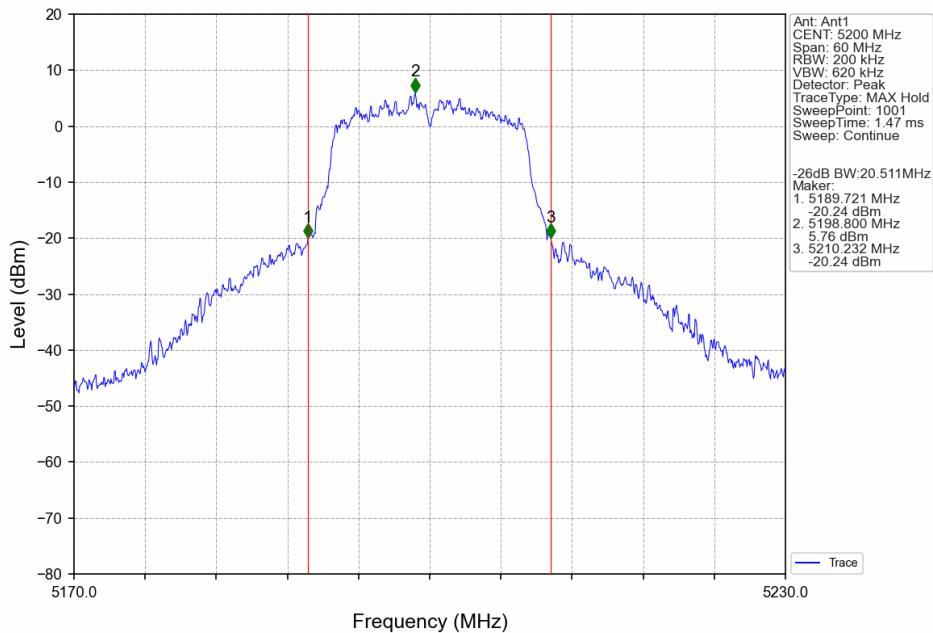
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

## 2.2.2 26dB BW

## 802.11a\_LCH\_5180MHz\_Ant1\_NTNV

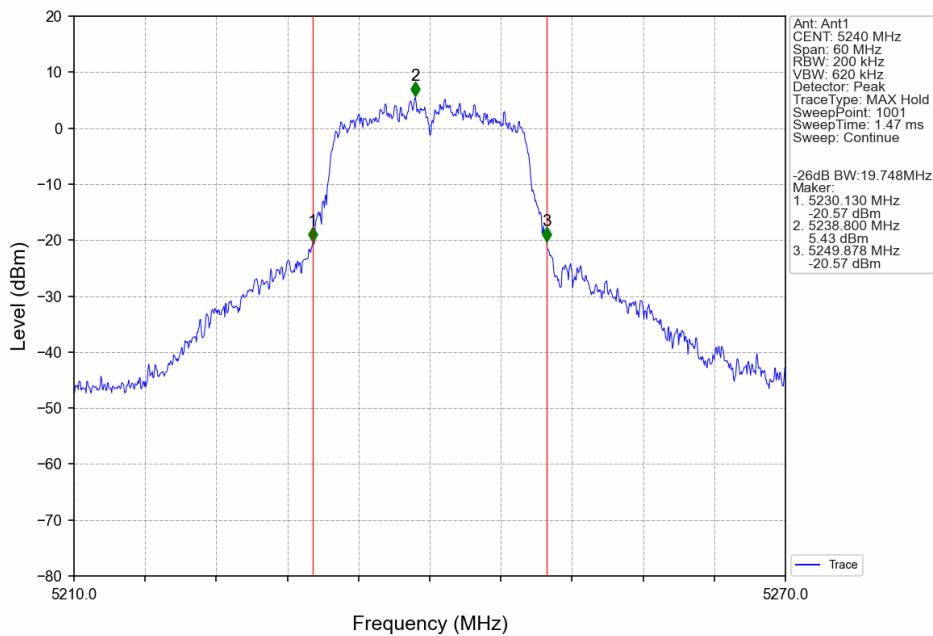
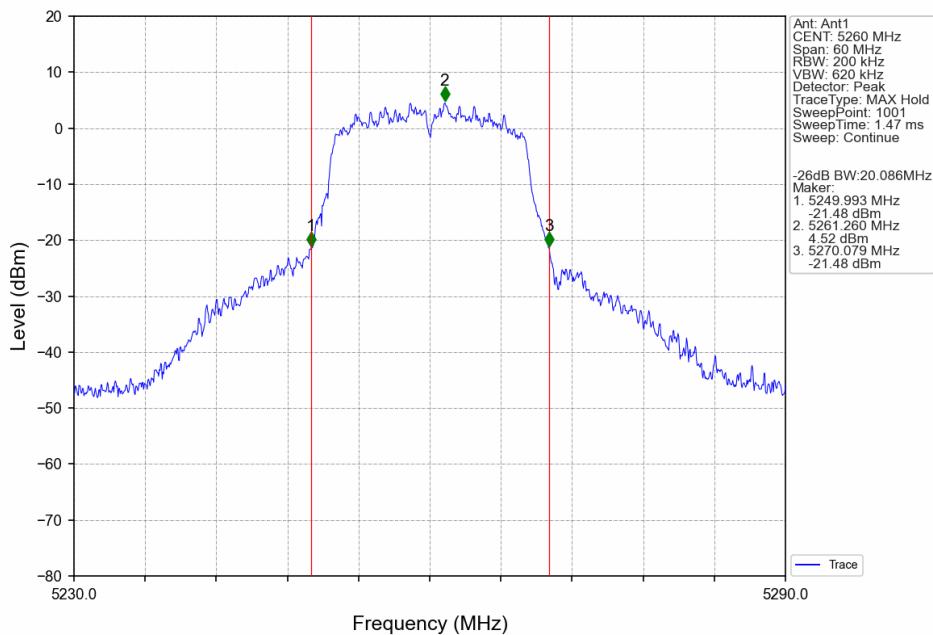


## 802.11a\_MCH\_5200MHz\_Ant1\_NTNV



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](mailto:CN_Doccheck@sgs.com)

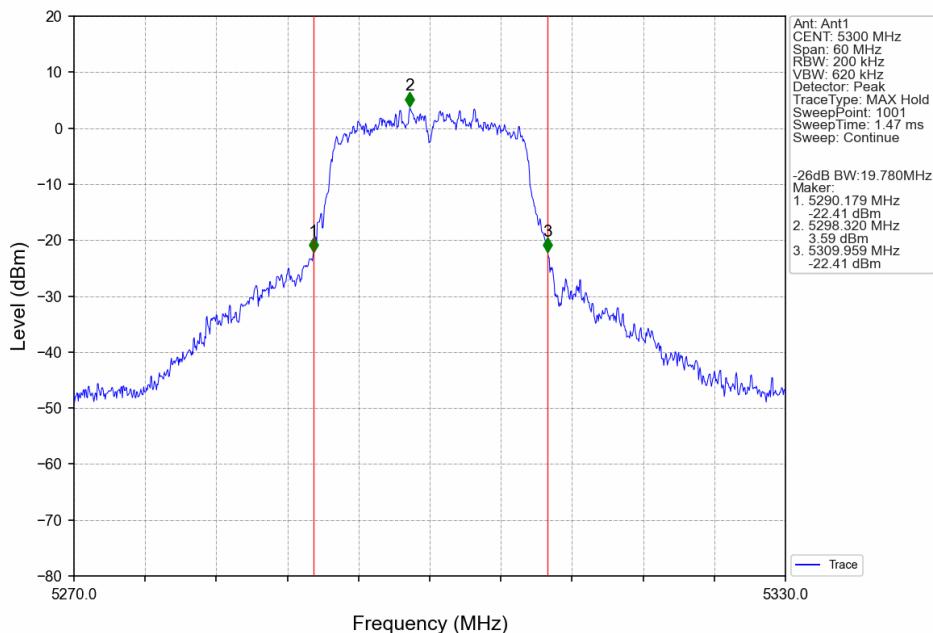
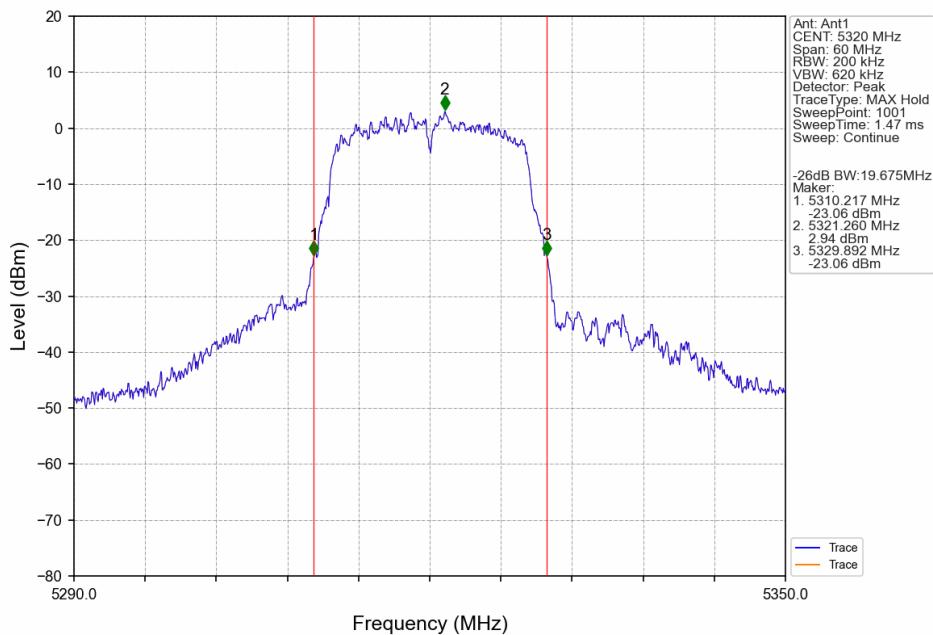
**802.11a\_HCH\_5240MHz\_Ant1\_NTNV****802.11a\_LCH\_5260MHz\_Ant1\_NTNV**

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](mailto:CN_Doccheck@sgs.com)



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](http://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](mailto:sgs.china@sgs.com)

**802.11a\_MCH\_5300MHz\_Ant1\_NTNV****802.11a\_HCH\_5320MHz\_Ant1\_NTNV**

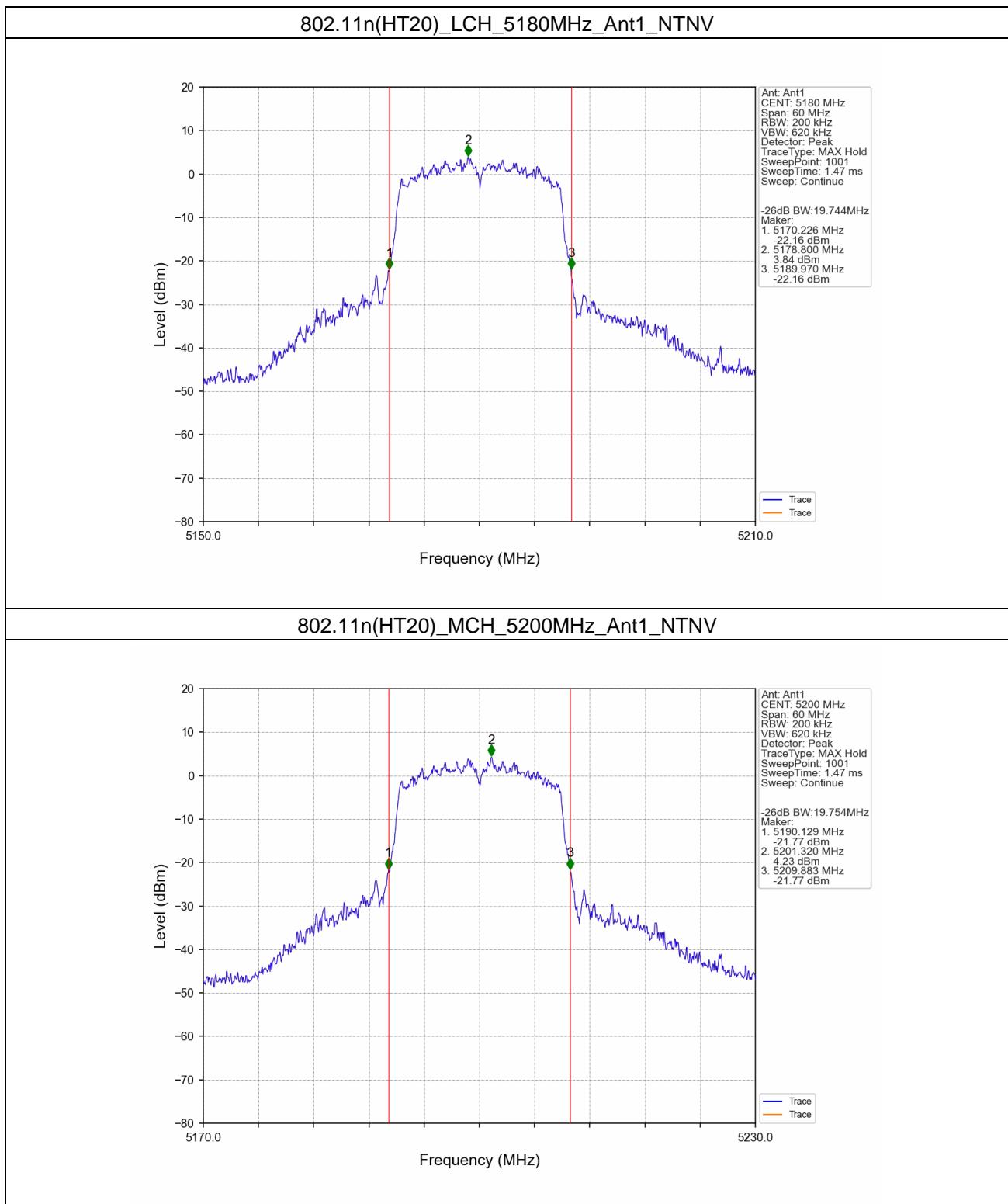
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is an SGS Laboratory.

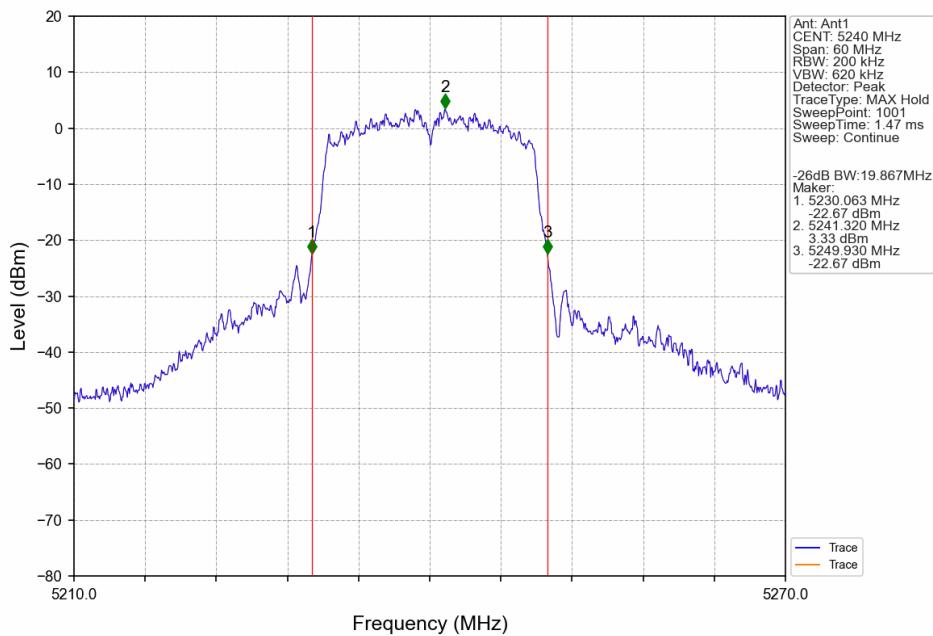
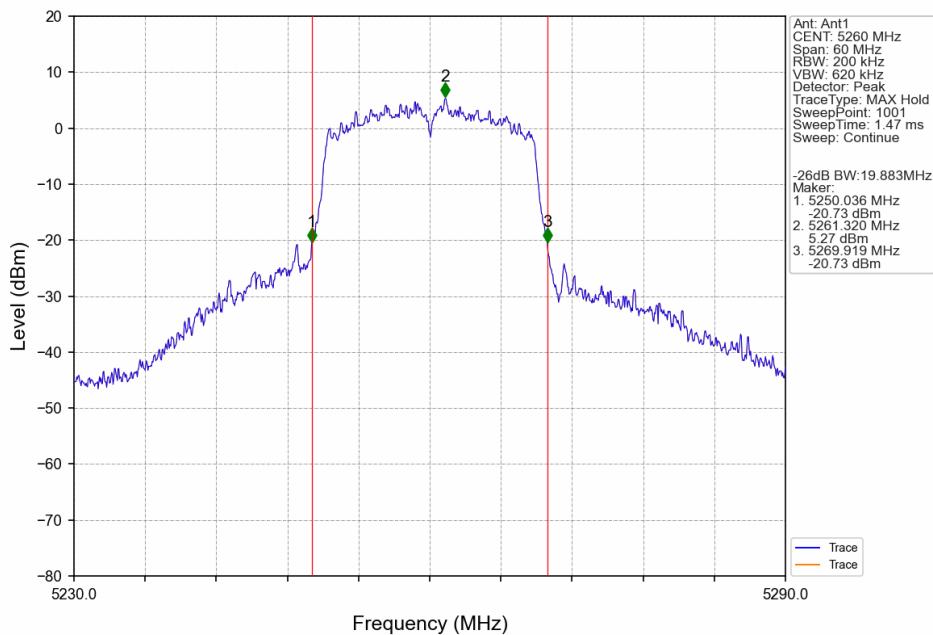
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein 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](mailto:CN_Doccheck@sgs.com)

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](http://www.sgsgroup.com.cn)

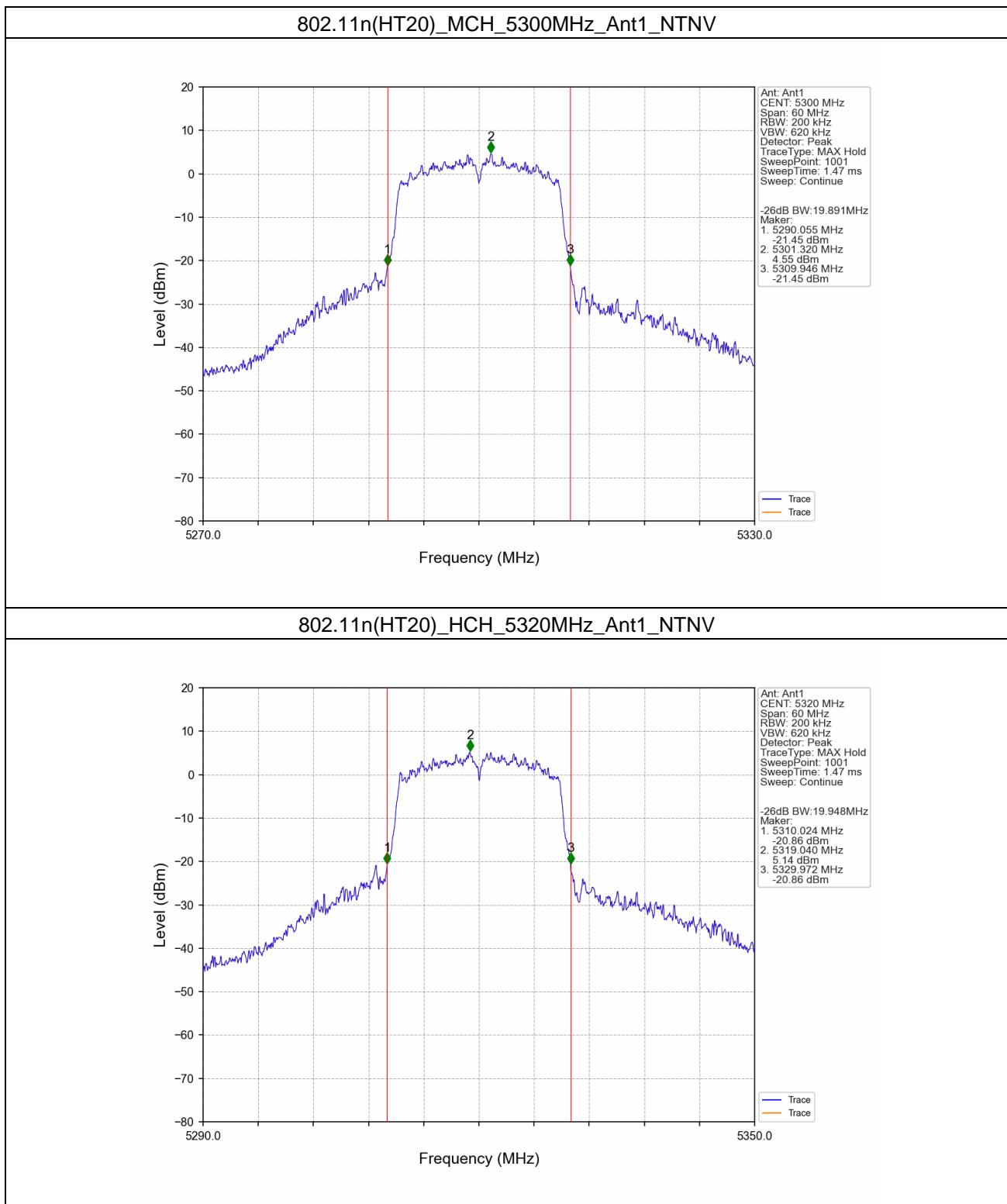
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)



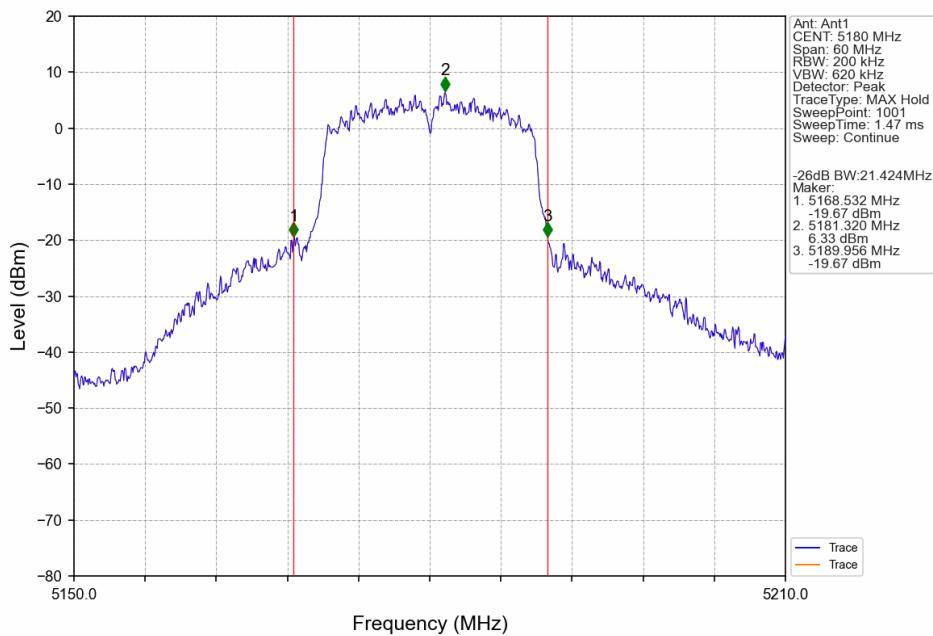
**802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV****802.11n(HT20)\_LCH\_5260MHz\_Ant1\_NTNV**

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.

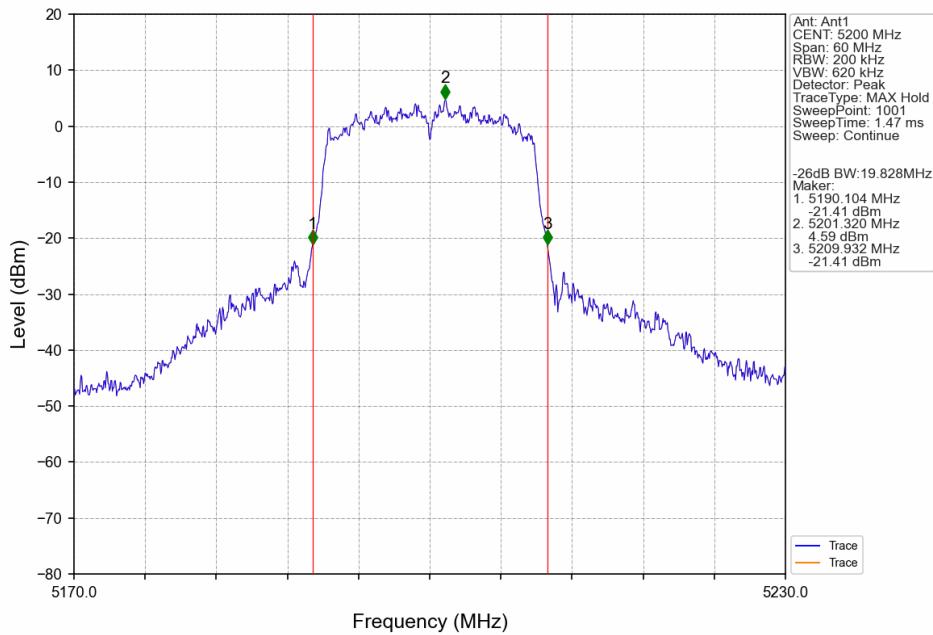
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)



### 802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



### 802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



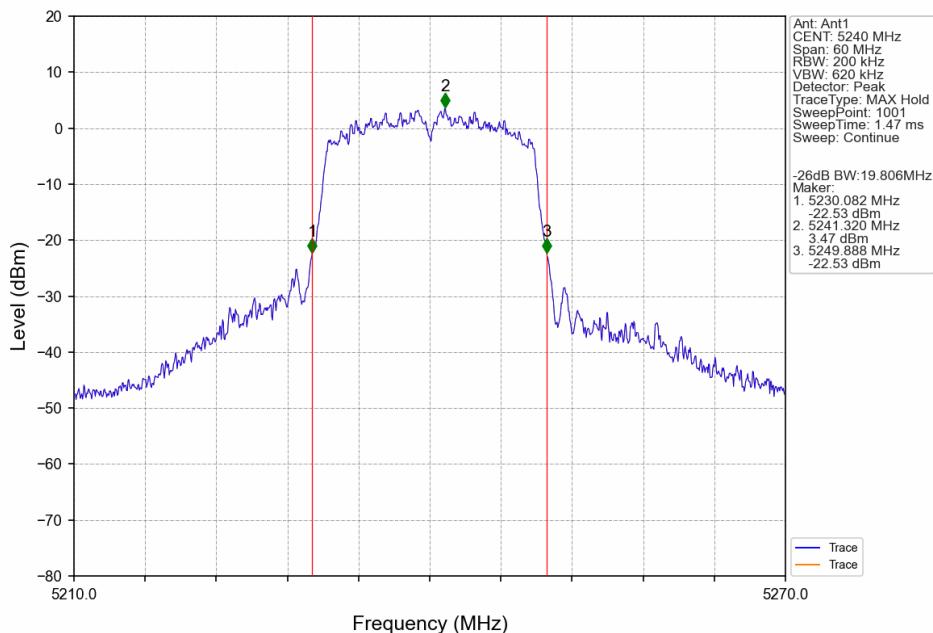
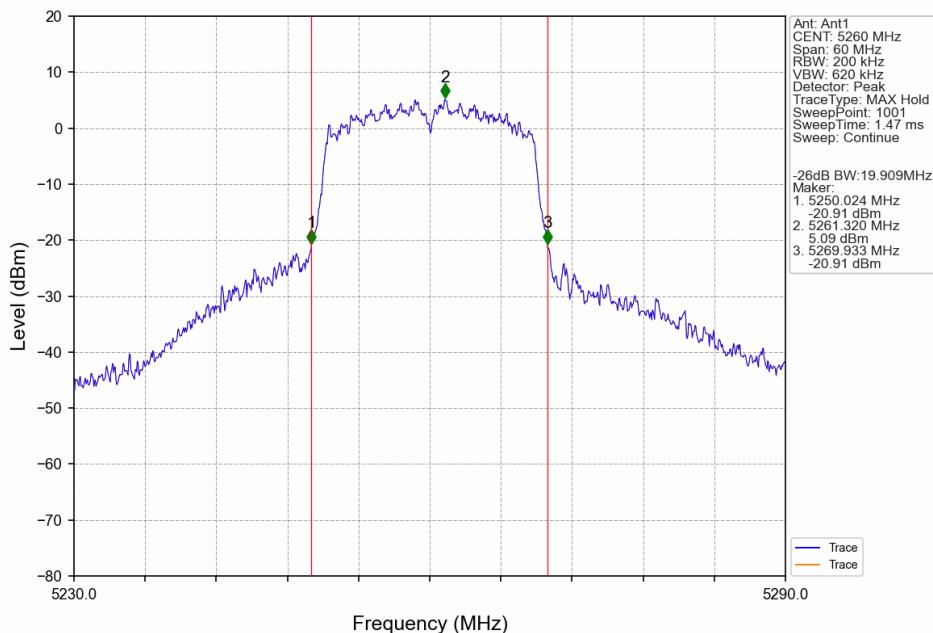
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is an SGS Laboratory.

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](mailto:CN_Doccheck@sgs.com)

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](http://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](mailto:sgs.china@sgs.com)

**802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV****802.11ac(VHT20)\_LCH\_5260MHz\_Ant1\_NTNV**

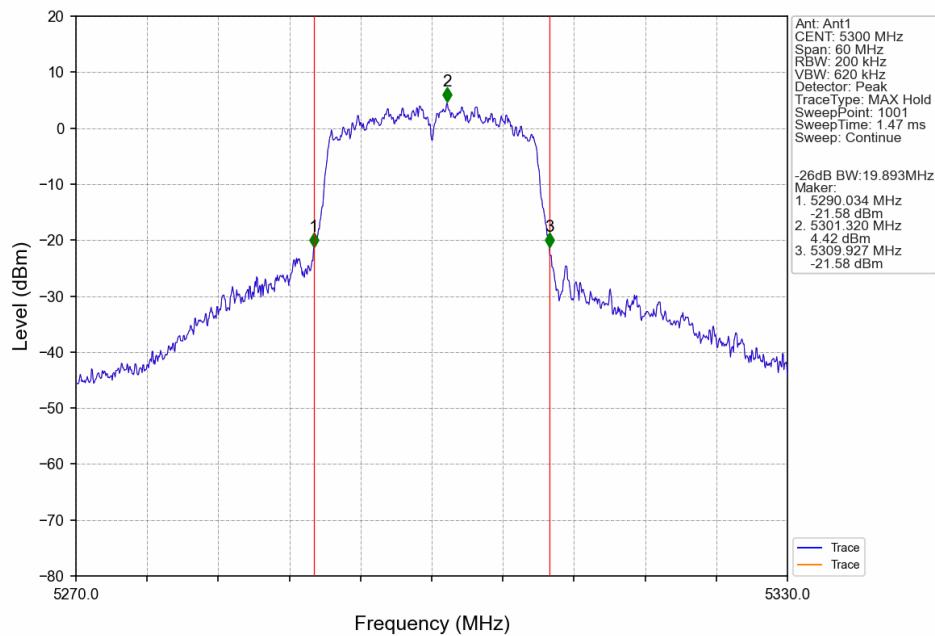
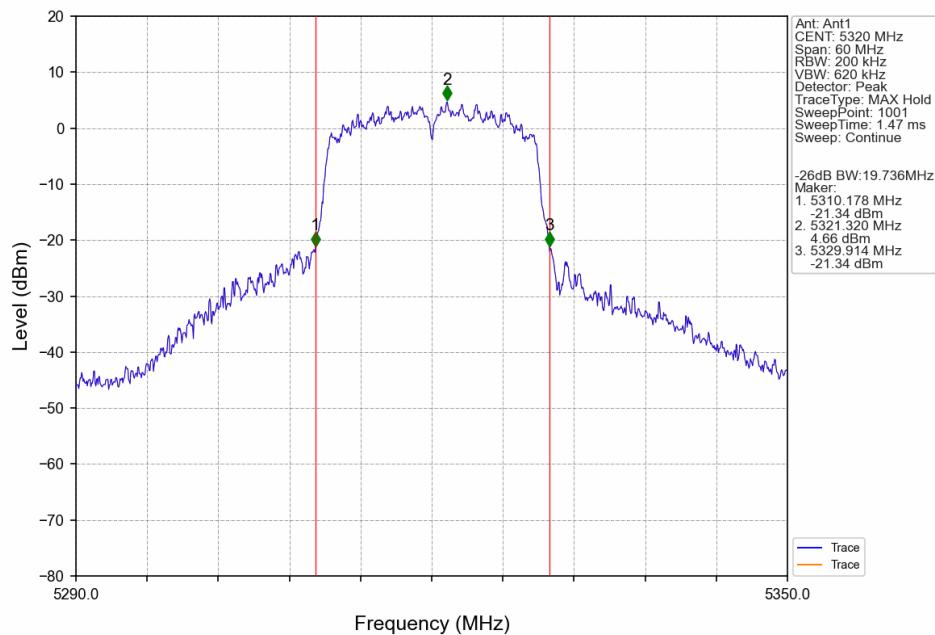
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is an SGS Laboratory.

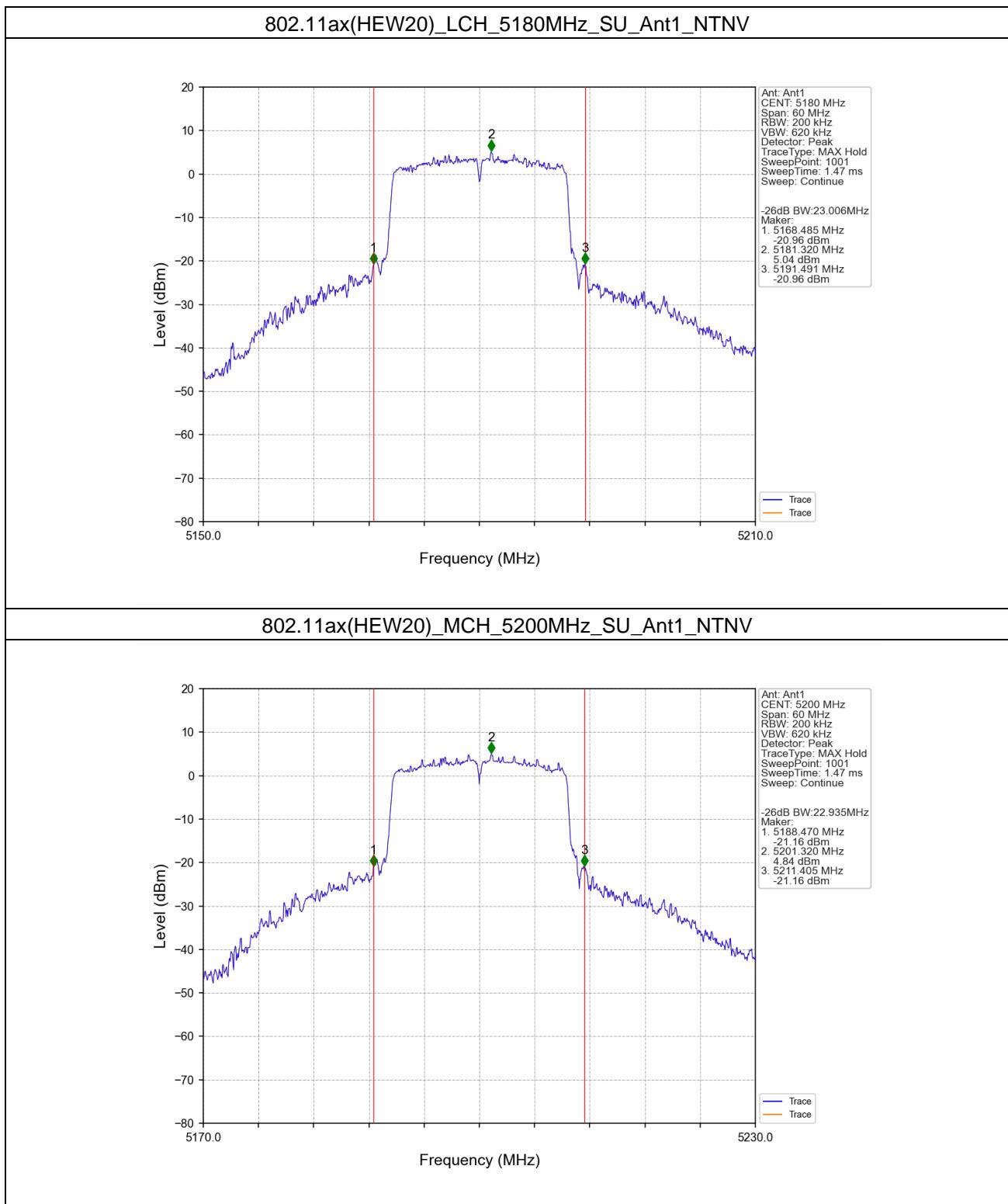
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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.

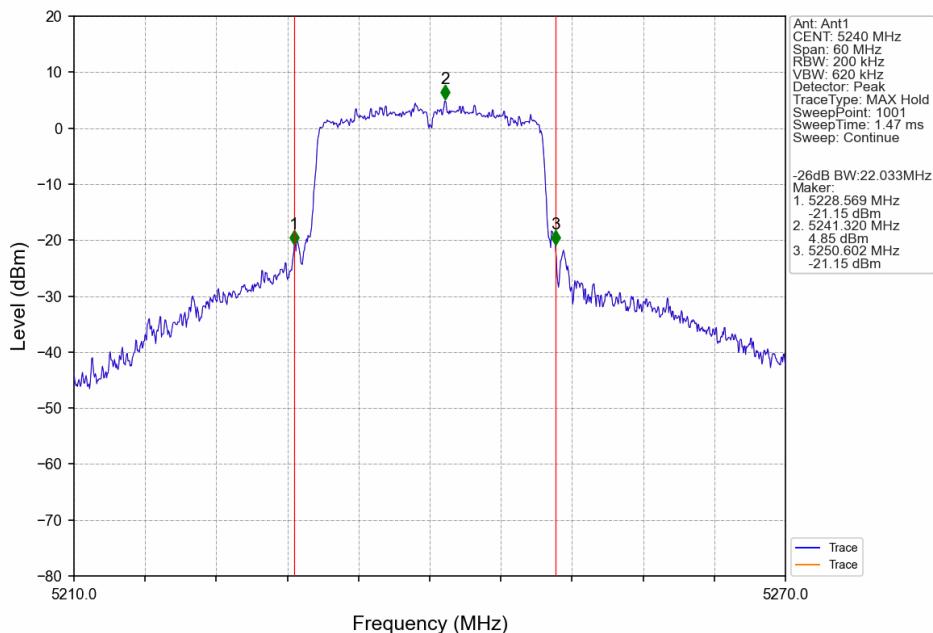
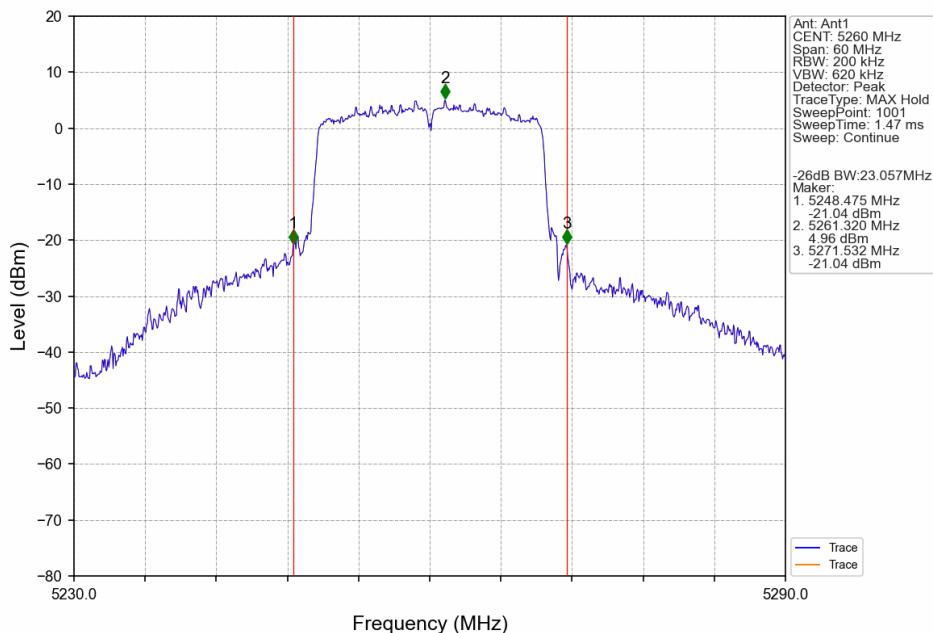
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

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](http://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](mailto:sgs.china@sgs.com)

**802.11ac(VHT20)\_MCH\_5300MHz\_Ant1\_NTNV****802.11ac(VHT20)\_HCH\_5320MHz\_Ant1\_NTNV**



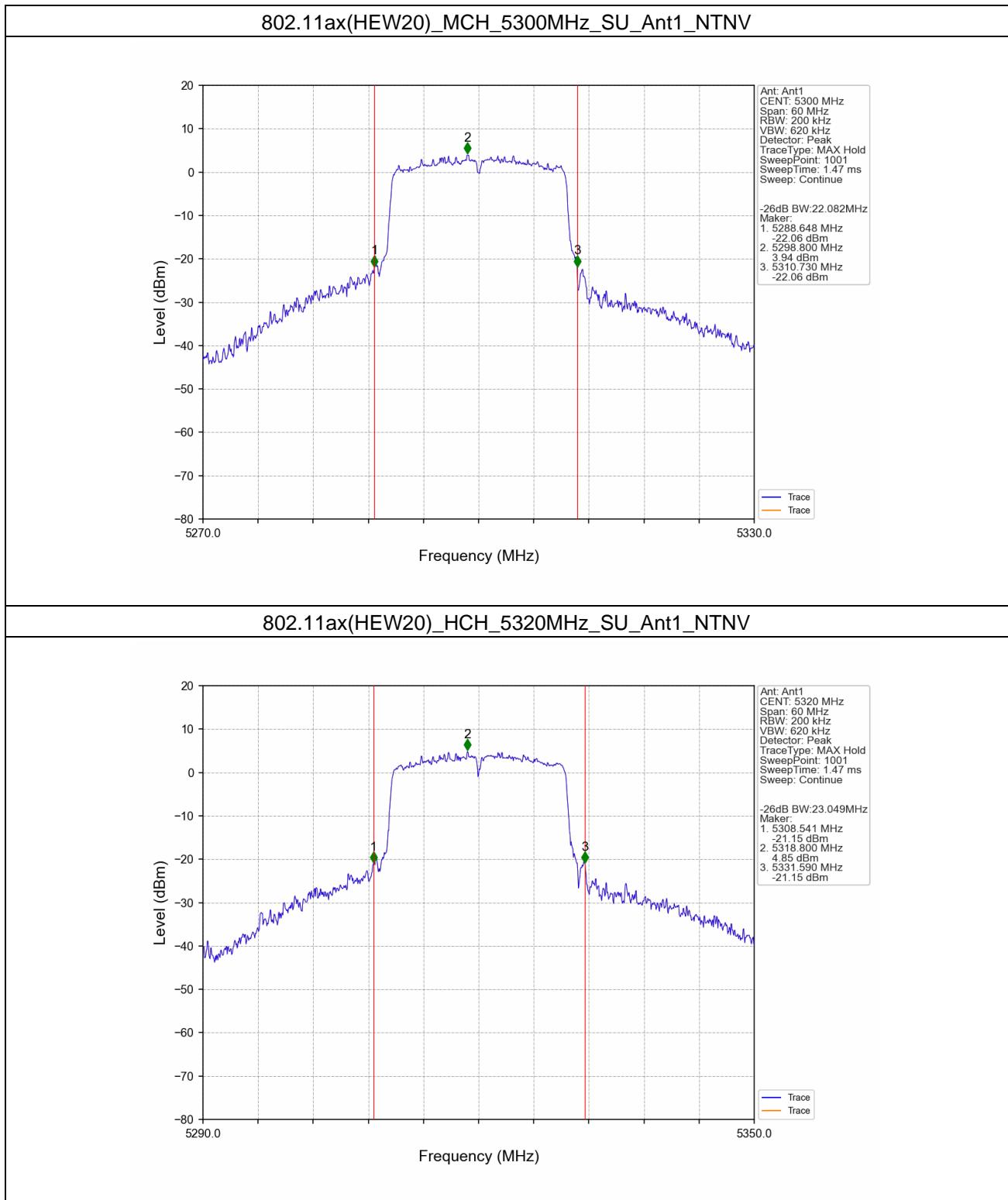
**802.11ax(HEW20)\_HCH\_5240MHz\_SU\_Ant1\_NTNV****802.11ax(HEW20)\_LCH\_5260MHz\_SU\_Ant1\_NTNV**

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](mailto:CN_Doccheck@sgs.com)



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



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

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](mailto:CN_Doccheck@sgs.com)

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](http://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](mailto:sgs.china@sgs.com)

### 3. Maximum Conducted Output Power

#### 3.1 Test Result

##### 3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	Maximum Average Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
802.11a	SISO	5180	/	13.41	<=23.98	Pass
		5200	/	13.78	<=23.98	Pass
		5240	/	13.44	<=23.98	Pass
		5260	/	13.18	<=23.98	Pass
		5300	/	13.79	<=23.96	Pass
		5320	/	13.54	<=23.94	Pass
802.11n (HT20)	SISO	5180	/	13.75	<=23.98	Pass
		5200	/	13.93	<=23.98	Pass
		5240	/	12.57	<=23.98	Pass
		5260	/	13.12	<=23.98	Pass
		5300	/	12.56	<=23.98	Pass
		5320	/	13.46	<=23.98	Pass
802.11ac (VHT20)	SISO	5180	/	12.84	<=23.98	Pass
		5200	/	12.41	<=23.98	Pass
		5240	/	13.09	<=23.98	Pass
		5260	/	13.38	<=23.98	Pass
		5300	/	12.73	<=23.98	Pass
		5320	/	12.93	<=23.95	Pass
802.11ax (HEW20)	SISO	5180	SU	13.60	<=23.98	Pass
		5200	SU	13.54	<=23.98	Pass
		5240	SU	12.95	<=23.98	Pass
		5260	SU	13.75	<=23.98	Pass
		5300	SU	12.94	<=23.98	Pass
		5320	SU	13.64	<=23.98	Pass

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](mailto:CN_Doccheck@sgs.com)

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](http://www.sgsgroup.com.cn)



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a member of SGS Group LLC Laboratory.

## 4. Maximum Power Spectral Density

### 4.1 Test Result

#### 4.1.1 PSD

Mode	TX Type	Frequency (MHz)	RU	Maximum PSD (dBm/MHz)		Verdict
				ANT1	Limit	
802.11a	SISO	5180	/	3.32	<=11	Pass
		5200	/	3.35	<=11	Pass
		5240	/	1.73	<=11	Pass
		5260	/	-1.86	<=11	Pass
		5300	/	3.22	<=11	Pass
		5320	/	2.91	<=11	Pass
802.11n (HT20)	SISO	5180	/	3.32	<=11	Pass
		5200	/	3.48	<=11	Pass
		5240	/	2.69	<=11	Pass
		5260	/	2.72	<=11	Pass
		5300	/	2.37	<=11	Pass
		5320	/	3.03	<=11	Pass
802.11ac (VHT20)	SISO	5180	/	2.22	<=11	Pass
		5200	/	2.25	<=11	Pass
		5240	/	2.75	<=11	Pass
		5260	/	2.69	<=11	Pass
		5300	/	2.17	<=11	Pass
		5320	/	2.36	<=11	Pass
802.11ax (HEW20)	SISO	5180	SU	2.52	<=11	Pass
		5200	SU	2.34	<=11	Pass
		5240	SU	1.95	<=11	Pass
		5260	SU	2.70	<=11	Pass
		5300	SU	2.02	<=11	Pass
		5320	SU	2.52	<=11	Pass

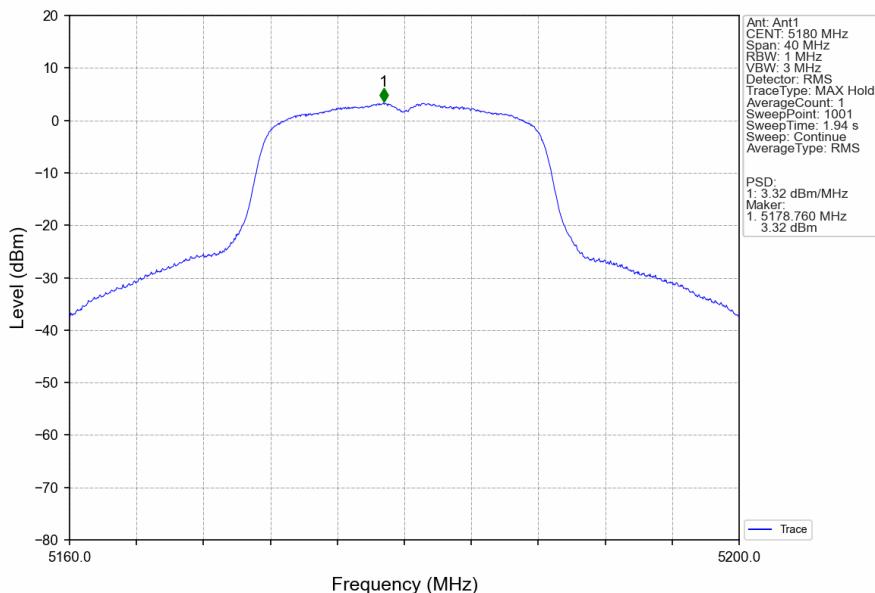
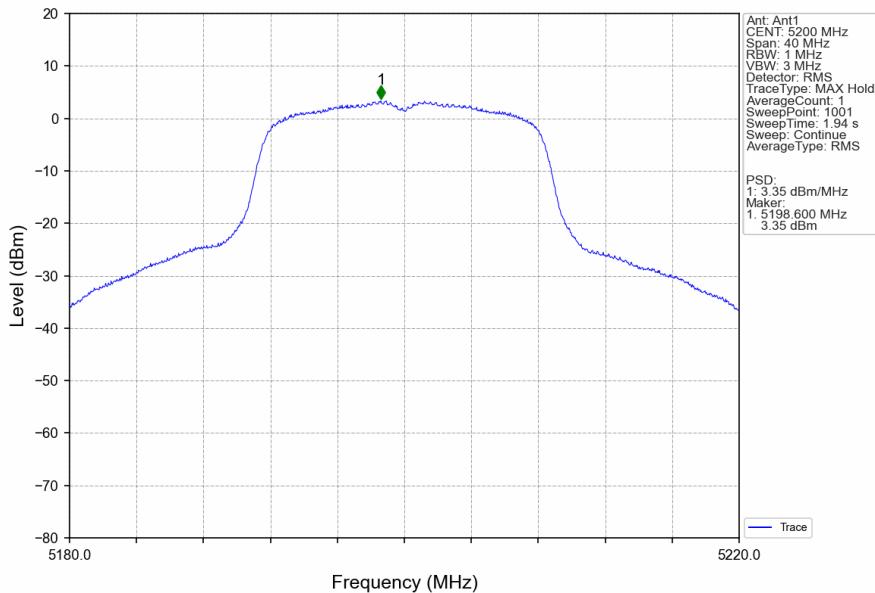
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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](mailto:CN_Doccheck@sgs.com)

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](http://www.sgsgroup.com.cn)

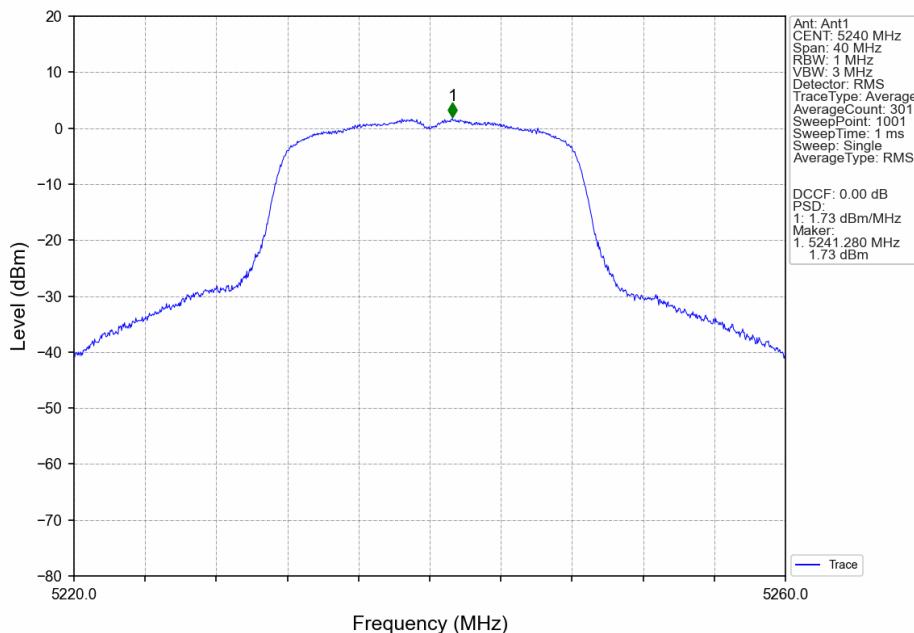
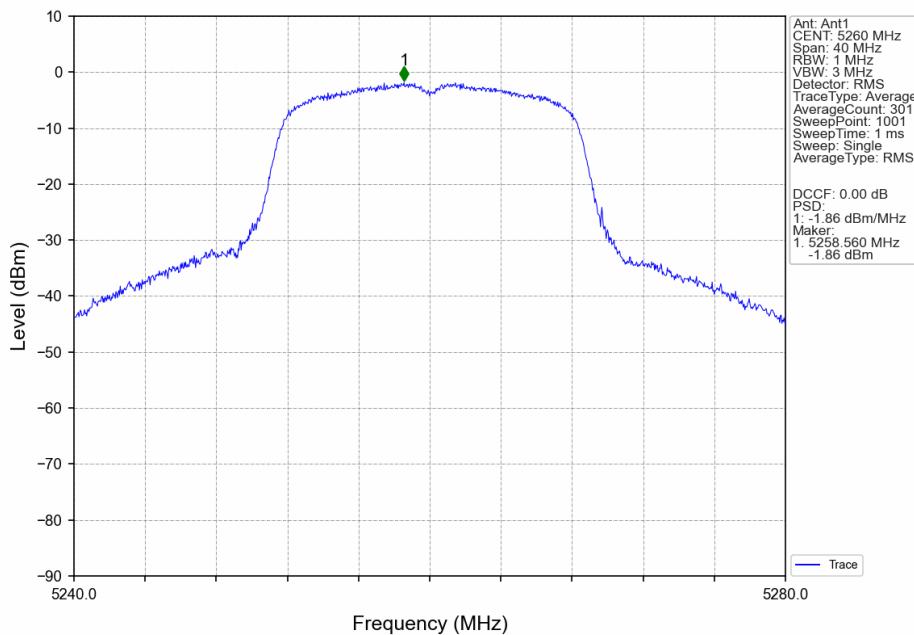


SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a member of SGS Group LLC Laboratory.

**4.2 Test Graph****4.2.1 PSD****802.11a\_LCH\_5180MHz\_Ant1\_NTNV****802.11a\_MCH\_5200MHz\_Ant1\_NTNV**

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](mailto:CN_Doccheck@sgs.com)

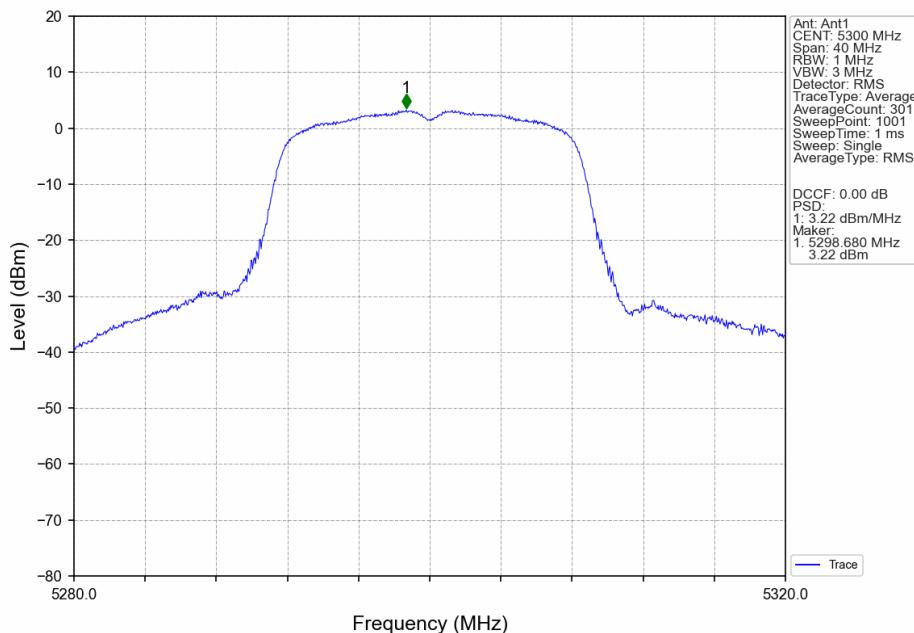
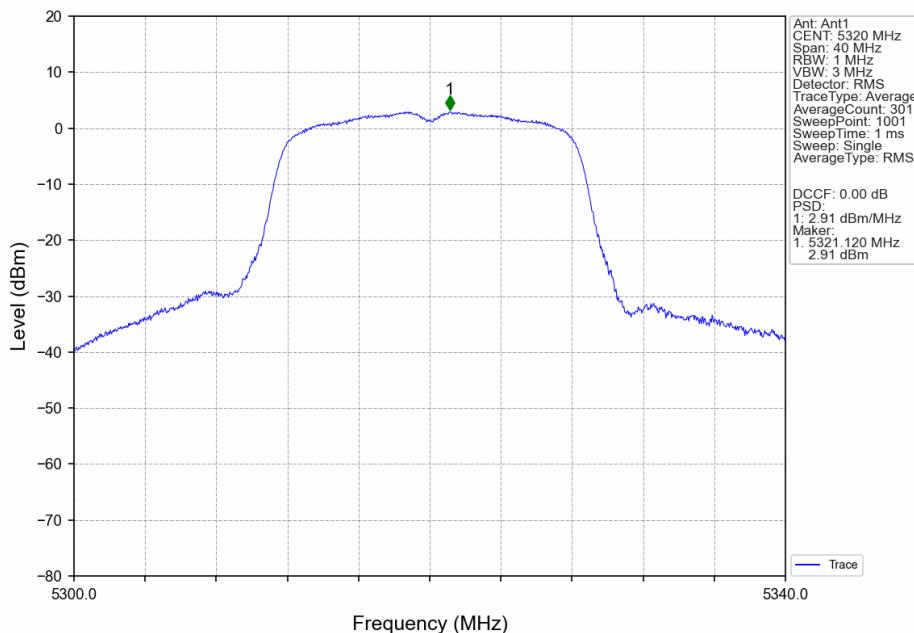
**802.11a\_HCH\_5240MHz\_Ant1\_NTNV****802.11a\_LCH\_5260MHz\_Ant1\_NTNV**

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](mailto:CN_Doccheck@sgs.com)



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

**802.11a\_MCH\_5300MHz\_Ant1\_NTNV****802.11a\_HCH\_5320MHz\_Ant1\_NTNV**

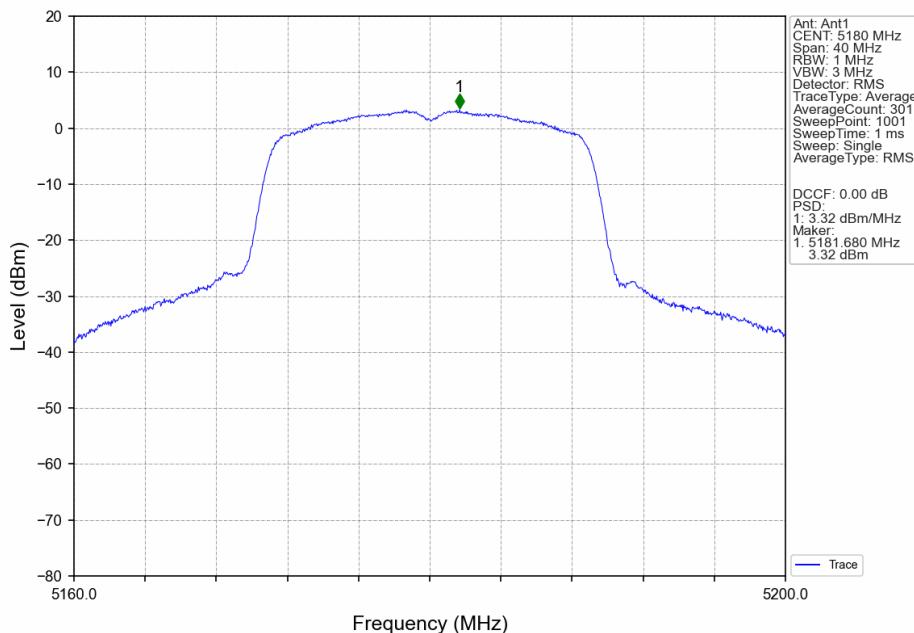
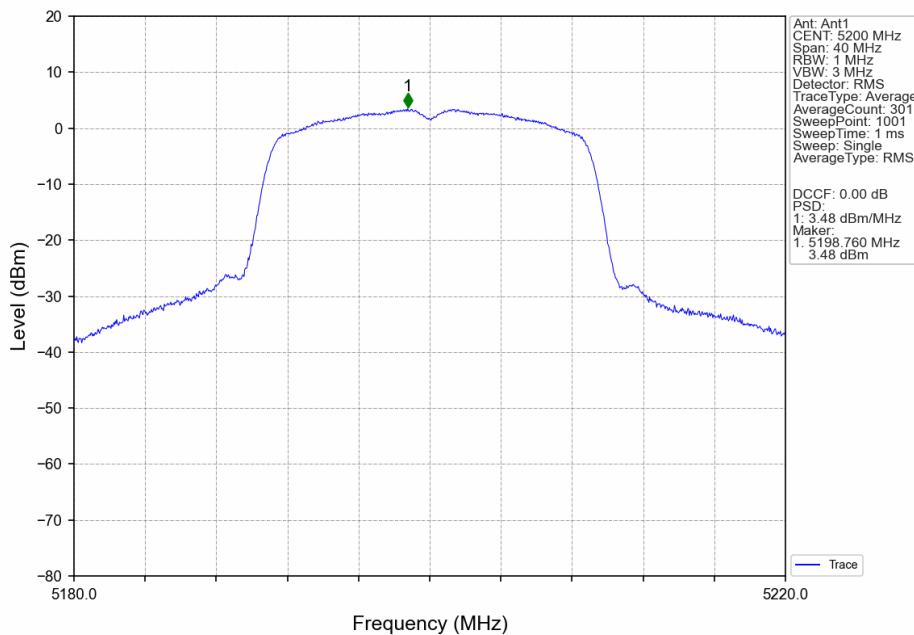
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is an SGS Laboratory.

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](mailto:CN_Doccheck@sgs.com)

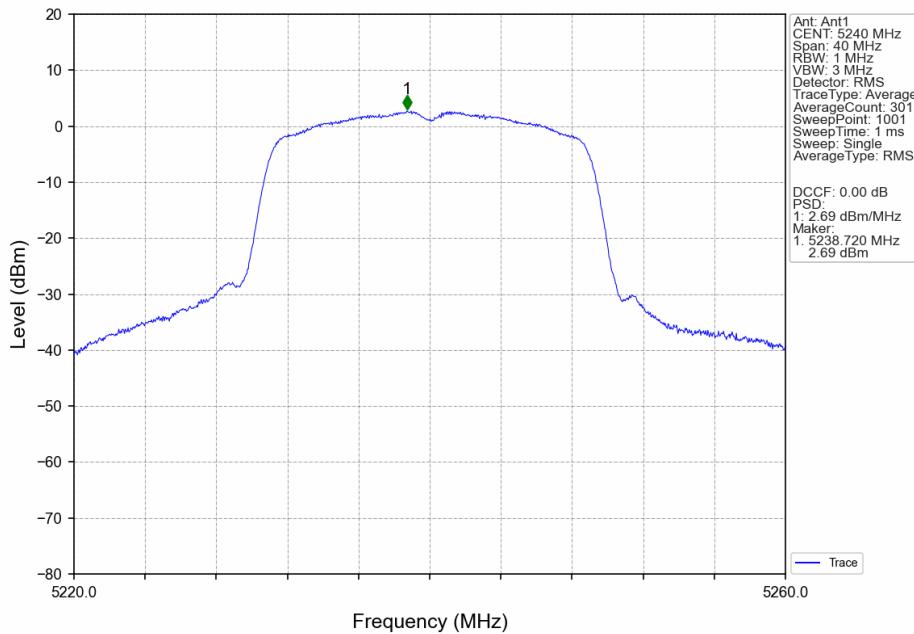
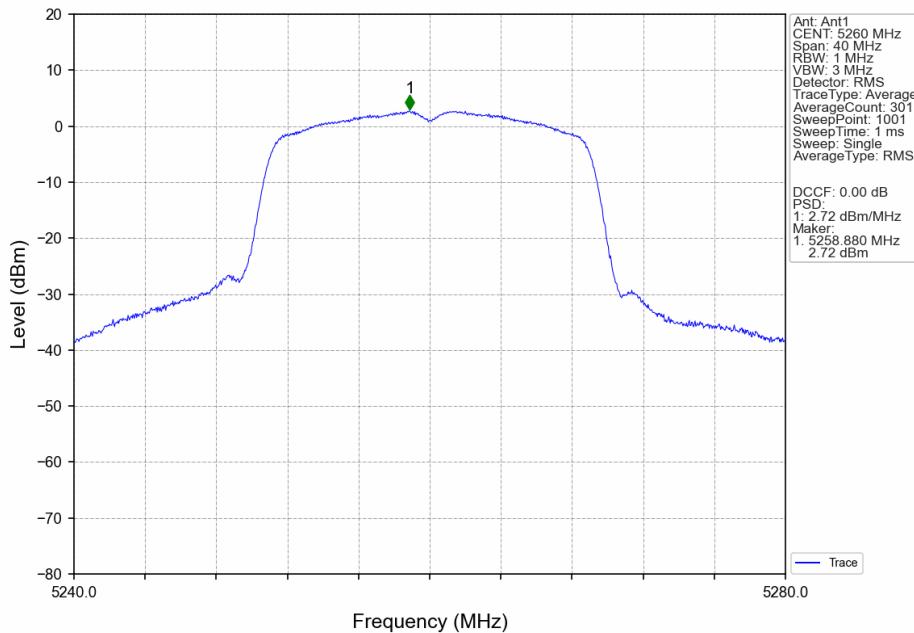
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)

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](mailto:sgs.china@sgs.com)

**802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV****802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV**

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](mailto:CN_Doccheck@sgs.com)

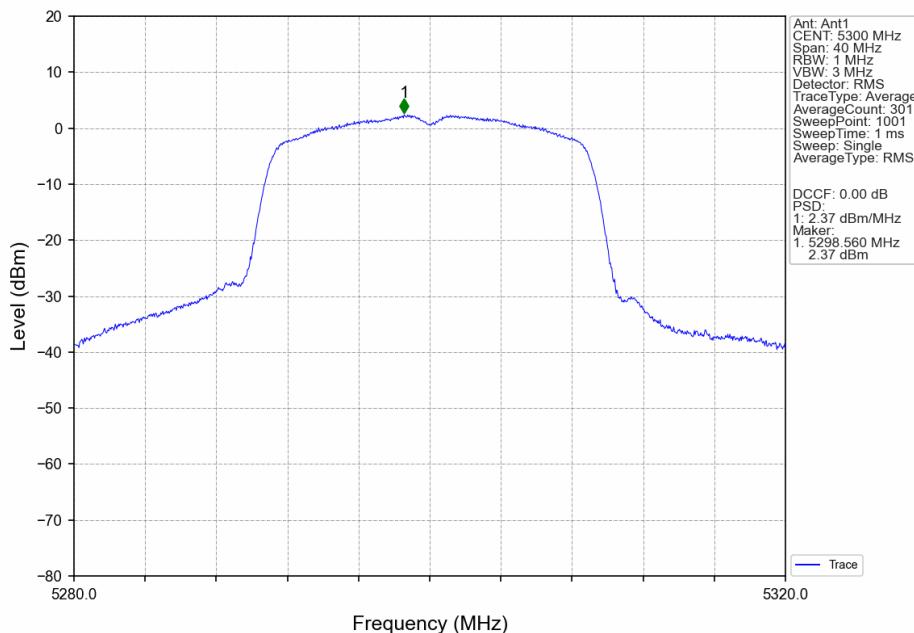
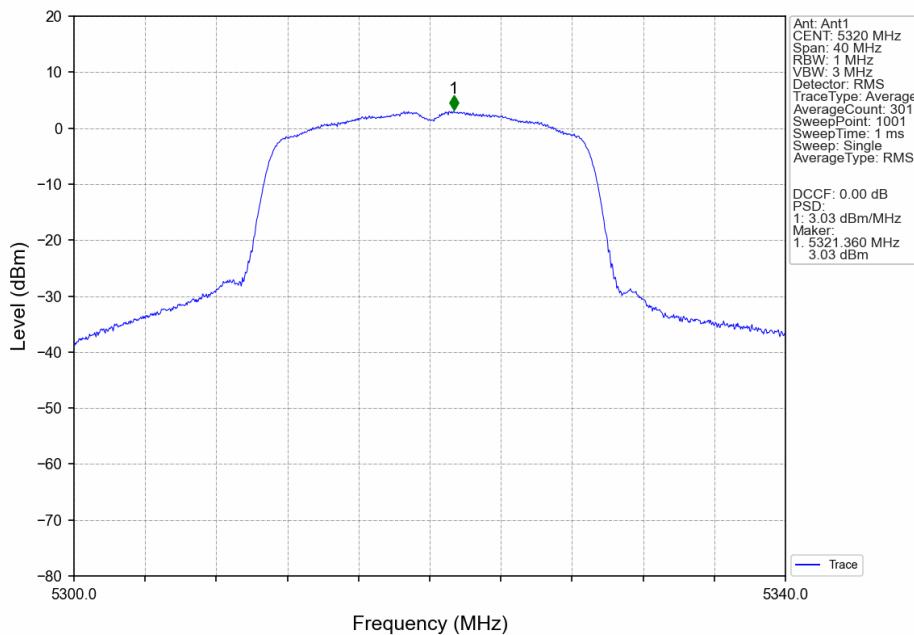
**802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV****802.11n(HT20)\_LCH\_5260MHz\_Ant1\_NTNV**

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](mailto:CN_Doccheck@sgs.com)

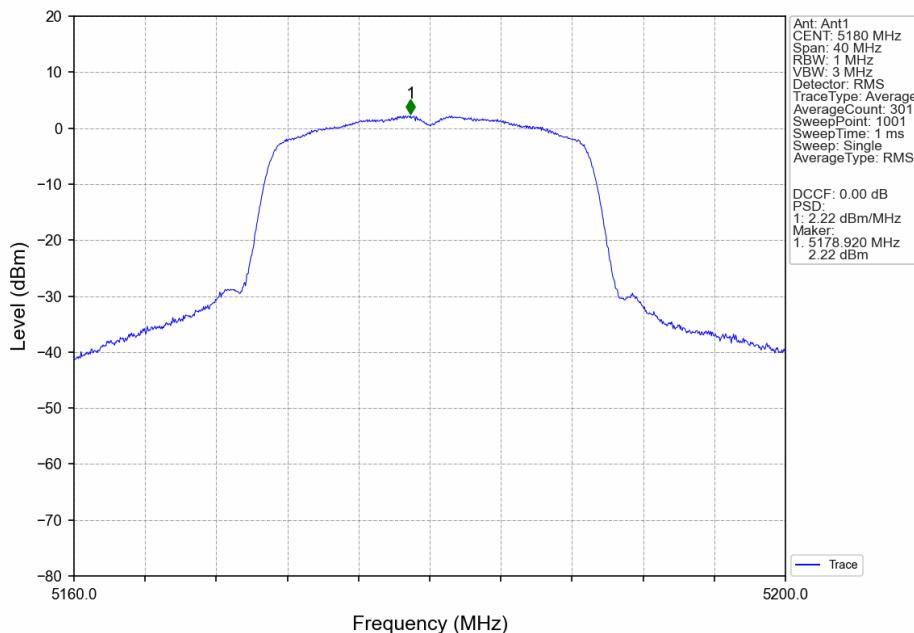
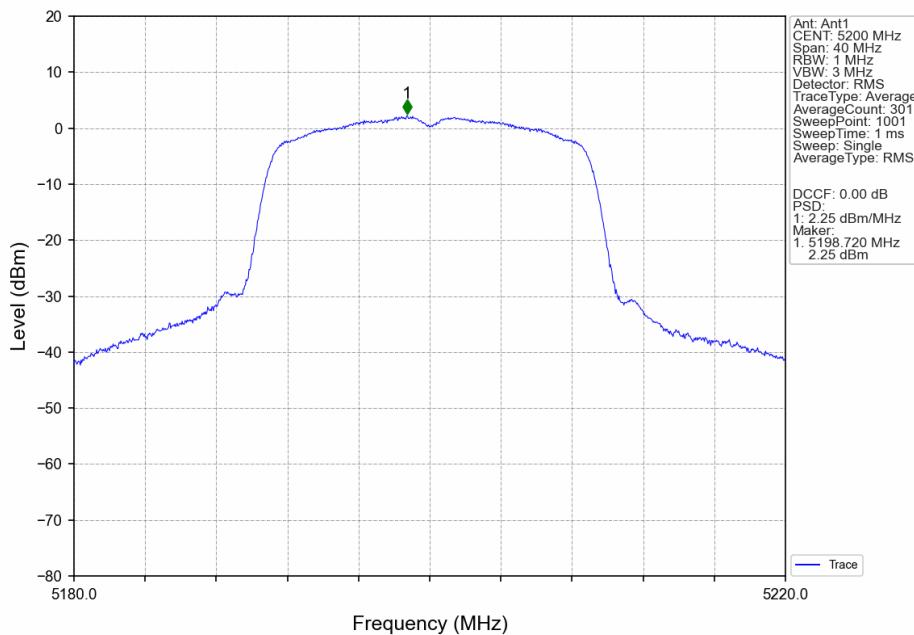


No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

**802.11n(HT20)\_MCH\_5300MHz\_Ant1\_NTNV****802.11n(HT20)\_HCH\_5320MHz\_Ant1\_NTNV**

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](mailto:CN_Doccheck@sgs.com)

**802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV****802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV**

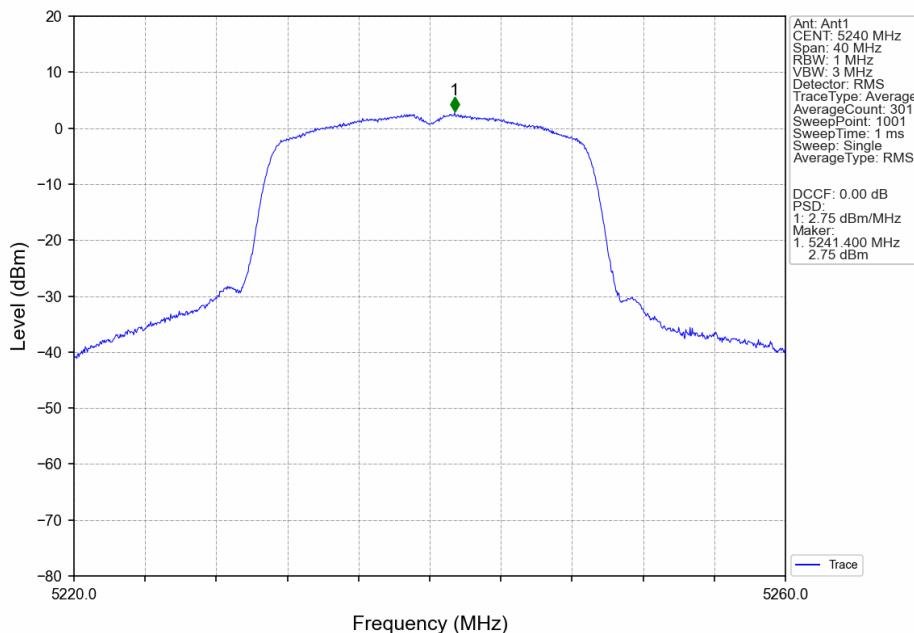
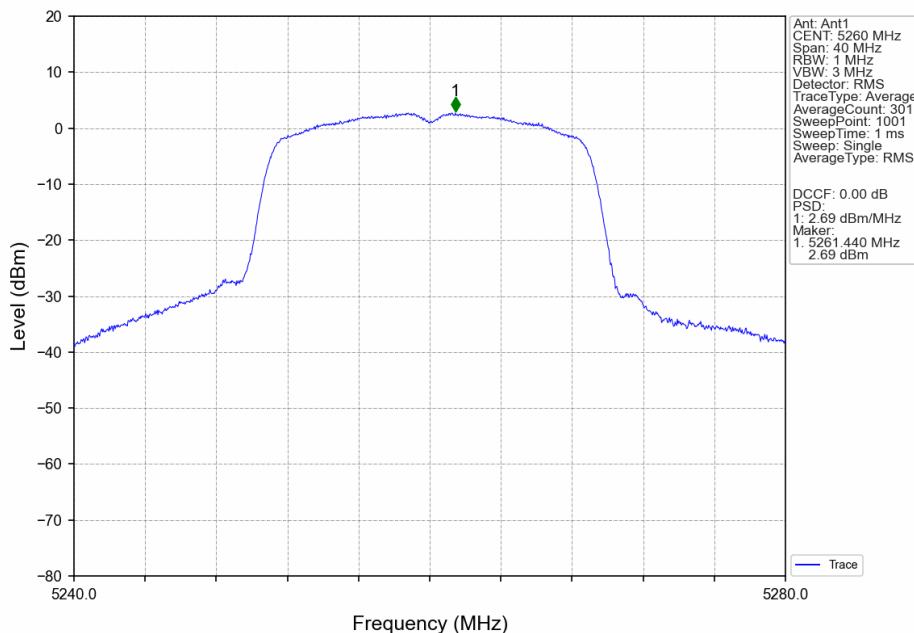
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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](mailto:CN_Doccheck@sgs.com)



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

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

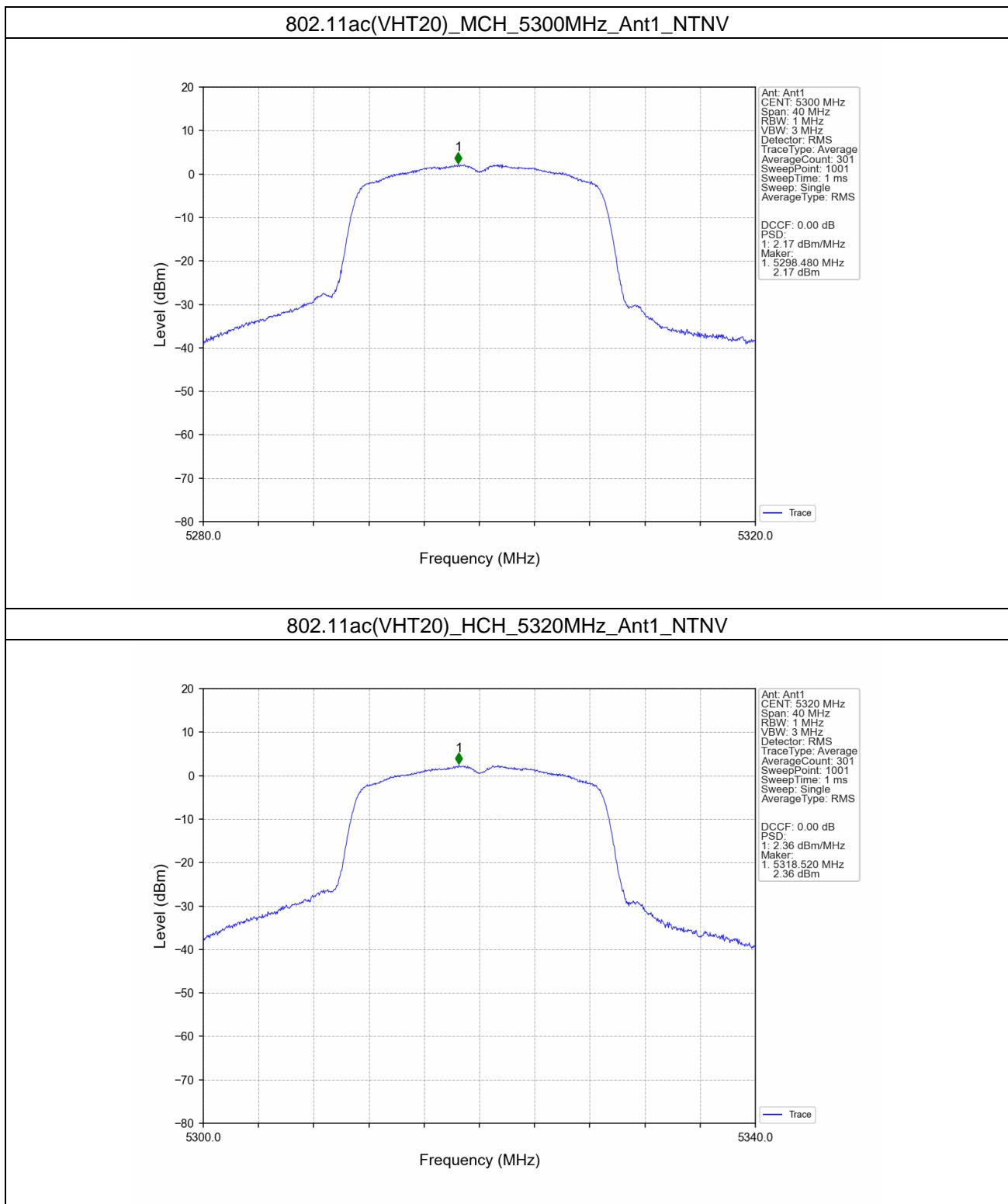
**802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV****802.11ac(VHT20)\_LCH\_5260MHz\_Ant1\_NTNV**

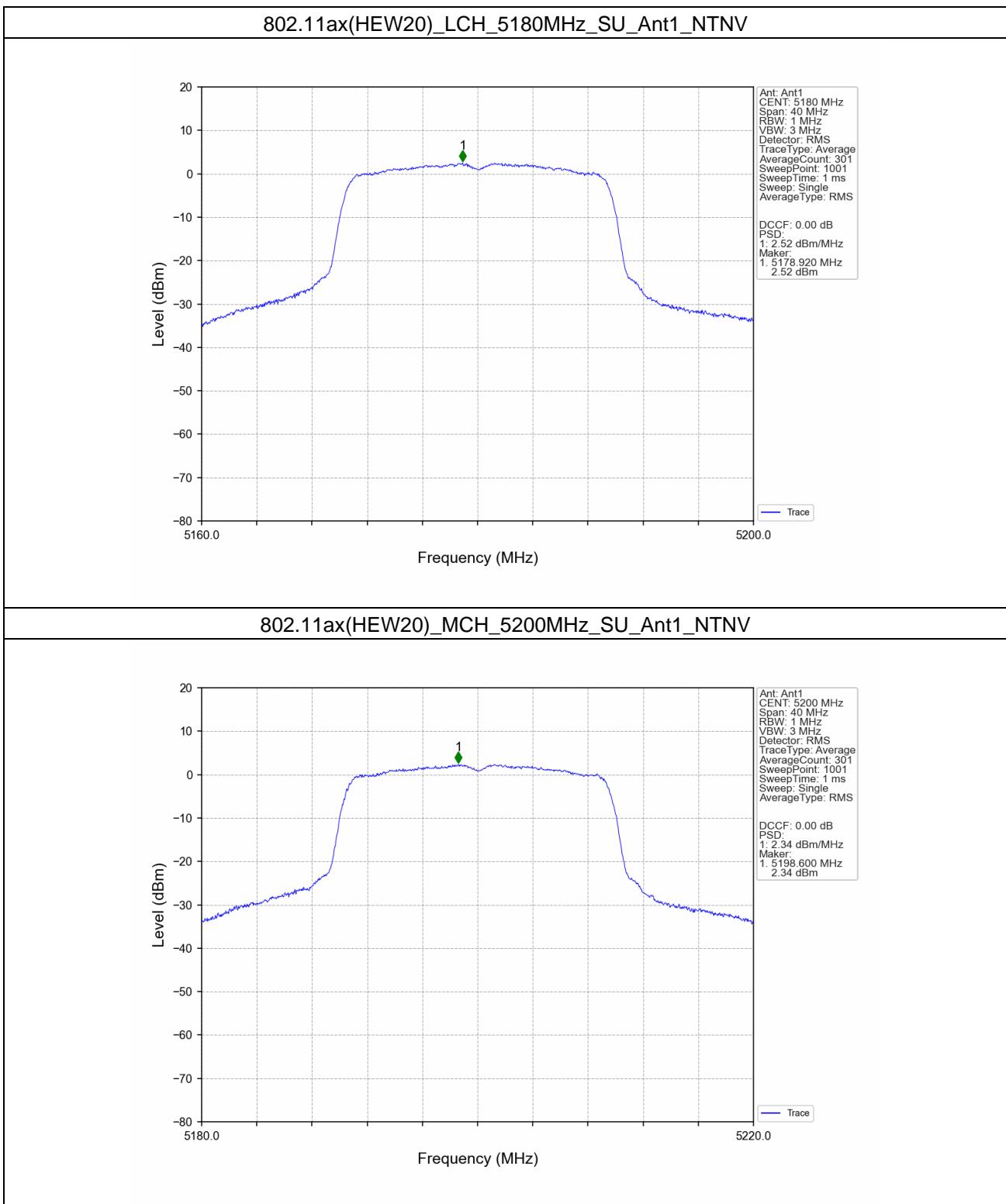
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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.

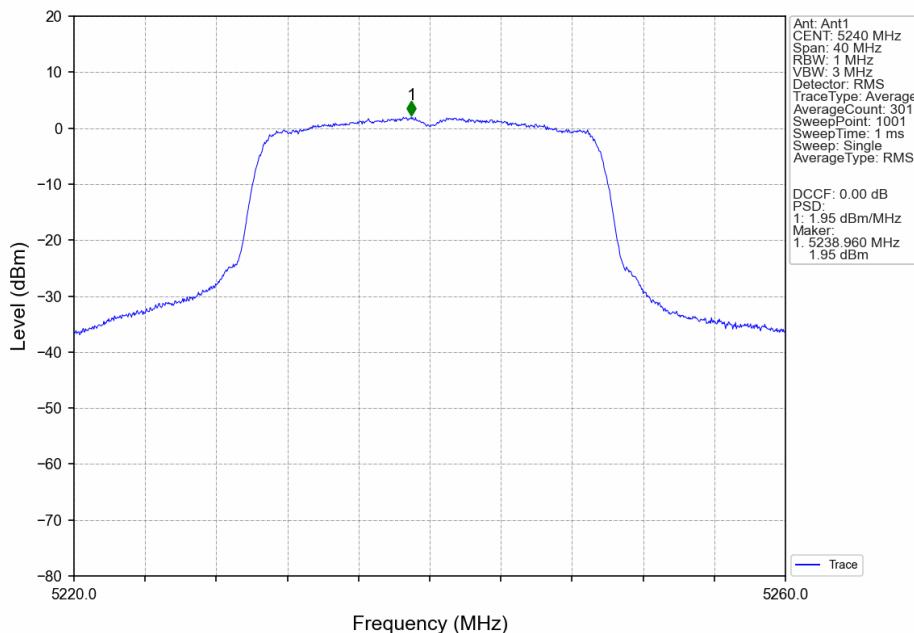
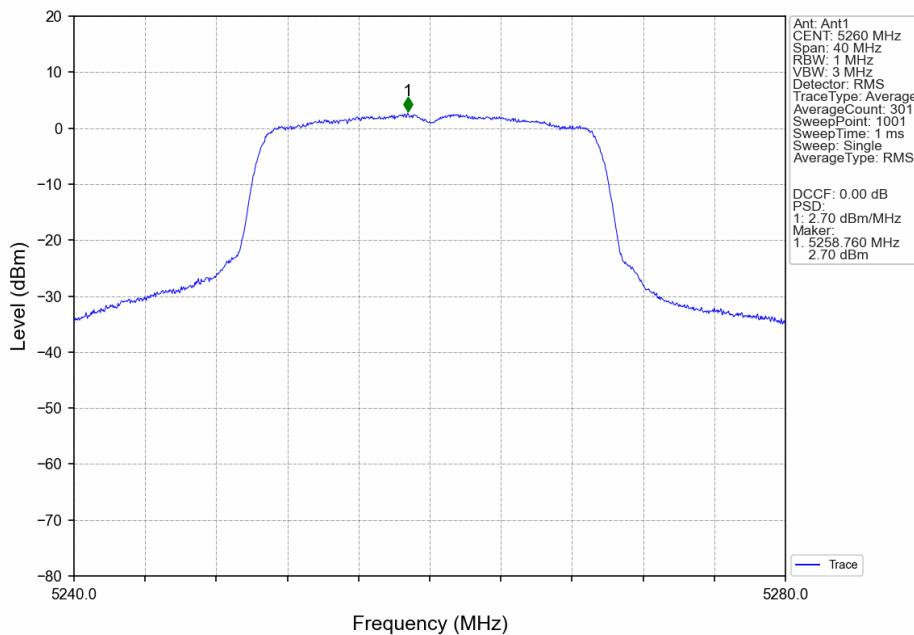
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)



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





**802.11ax(HEW20)\_HCH\_5240MHz\_SU\_Ant1\_NTNV****802.11ax(HEW20)\_LCH\_5260MHz\_SU\_Ant1\_NTNV**

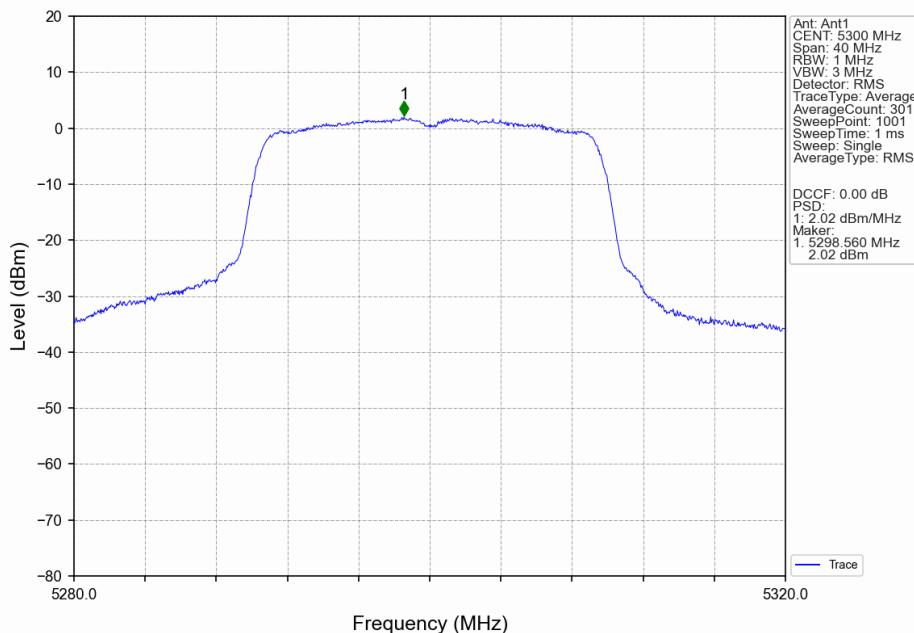
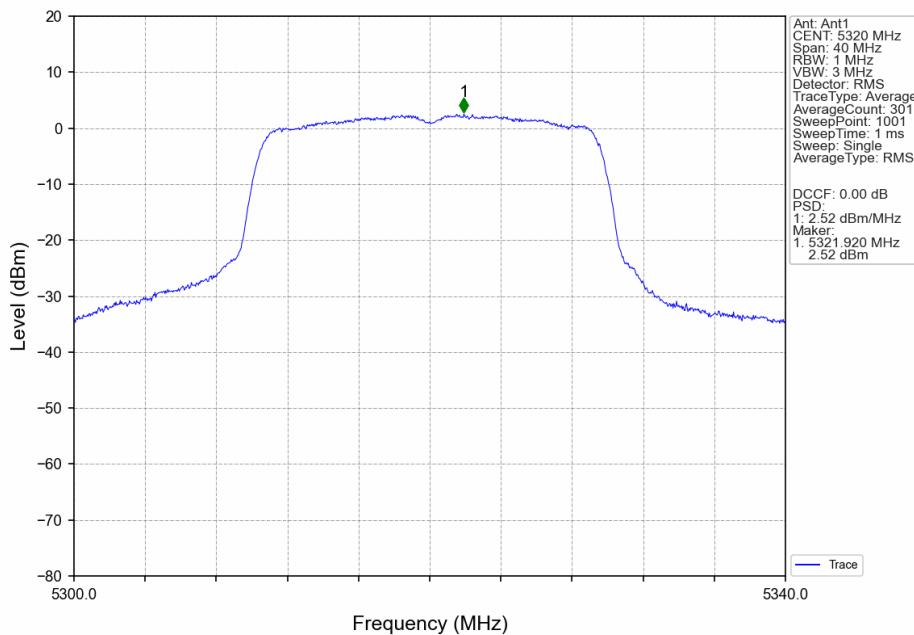
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is an SGS Laboratory.

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](mailto:CN_Doccheck@sgs.com)

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](http://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](mailto:sgs.china@sgs.com)

**802.11ax(HEW20)\_MCH\_5300MHz\_SU\_Ant1\_NTNV****802.11ax(HEW20)\_HCH\_5320MHz\_SU\_Ant1\_NTNV**

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](mailto:CN_Doccheck@sgs.com)

## 5. Frequency Stability

### 5.1 Test Result

#### 5.1.1 Ant1

Ant1								
Mode	TX Type	Frequency (MHz)	RU	Temperature (°C)	Voltage (DC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	/	20	3.23	5180.000	5150 to 5250	Pass
					3.8	5180.040	5150 to 5250	Pass
					4.37	5180.000	5150 to 5250	Pass
				-30	3.8	5180.000	5150 to 5250	Pass
				-20	3.8	5180.000	5150 to 5250	Pass
				-10	3.8	5180.000	5150 to 5250	Pass
				0	3.8	5180.000	5150 to 5250	Pass
				10	3.8	5180.000	5150 to 5250	Pass
				30	3.8	5180.000	5150 to 5250	Pass
				40	3.8	5180.000	5150 to 5250	Pass
				50	3.8	5180.000	5150 to 5250	Pass
		5200	/	20	3.23	5200.000	5150 to 5250	Pass
					3.8	5199.940	5150 to 5250	Pass
					4.37	5200.060	5150 to 5250	Pass
				-30	3.8	5200.040	5150 to 5250	Pass
				-20	3.8	5199.980	5150 to 5250	Pass
				-10	3.8	5200.080	5150 to 5250	Pass
				0	3.8	5200.040	5150 to 5250	Pass
				10	3.8	5199.980	5150 to 5250	Pass
				30	3.8	5200.000	5150 to 5250	Pass
				40	3.8	5200.000	5150 to 5250	Pass
				50	3.8	5200.060	5150 to 5250	Pass
		5240	/	20	3.23	5240.060	5150 to 5250	Pass
					3.8	5240.020	5150 to 5250	Pass
					4.37	5239.960	5150 to 5250	Pass
				-30	3.8	5240.040	5150 to 5250	Pass
				-20	3.8	5239.960	5150 to 5250	Pass
				-10	3.8	5240.060	5150 to 5250	Pass
				0	3.8	5240.020	5150 to 5250	Pass
				10	3.8	5240.080	5150 to 5250	Pass

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](mailto:CN_Doccheck@sgs.com)

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](http://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](mailto:sgs.china@sgs.com)



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241000388704

Page: 178 of 186

			/	30	3.8	5239.960	5150 to 5250	Pass	
				40	3.8	5240.020	5150 to 5250	Pass	
				50	3.8	5240.000	5150 to 5250	Pass	
				5260	20	3.23	5260.000	5250 to 5350	Pass
						3.8	5260.040	5250 to 5350	Pass
						4.37	5259.940	5250 to 5350	Pass
					/	-30	5260.020	5250 to 5350	Pass
						-20	5261.080	5250 to 5350	Pass
						-10	5259.900	5250 to 5350	Pass
						0	5259.980	5250 to 5350	Pass
						10	5260.040	5250 to 5350	Pass
						30	5260.040	5250 to 5350	Pass
						40	5259.960	5250 to 5350	Pass
						50	5260.020	5250 to 5350	Pass
				5300	20	3.23	5300.060	5250 to 5350	Pass
						3.8	5300.080	5250 to 5350	Pass
						4.37	5300.020	5250 to 5350	Pass
					/	-30	5300.000	5250 to 5350	Pass
						-20	5299.980	5250 to 5350	Pass
						-10	5300.000	5250 to 5350	Pass
						0	5300.100	5250 to 5350	Pass
						10	5300.000	5250 to 5350	Pass
						30	5300.020	5250 to 5350	Pass
						40	5300.060	5250 to 5350	Pass
						50	5300.060	5250 to 5350	Pass
				5320	20	3.23	5320.020	5250 to 5350	Pass
						3.8	5319.980	5250 to 5350	Pass
						4.37	5320.060	5250 to 5350	Pass
					/	-30	5319.980	5250 to 5350	Pass
						-20	5320.080	5250 to 5350	Pass
						-10	5320.000	5250 to 5350	Pass
						0	5320.000	5250 to 5350	Pass
						10	5320.060	5250 to 5350	Pass
						30	5319.980	5250 to 5350	Pass
						40	5320.000	5250 to 5350	Pass
						50	5320.040	5250 to 5350	Pass

802.11n (HT20)	SISO	5180	/	20	3.23	5180.060	5150 to 5250	Pass
					3.8	5180.060	5150 to 5250	Pass
					4.37	5180.080	5150 to 5250	Pass

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](mailto:CN_Doccheck@sgs.com)

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

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a member of SGS Group. SGS Group is a global leader in inspection, testing and certification services. SGS Group is a member of SGS Group. SGS Group is a global leader in inspection, testing and certification services.



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241000388704

Page: 179 of 186

				-30	3.8	5180.060	5150 to 5250	Pass	
				-20	3.8	5180.060	5150 to 5250	Pass	
				-10	3.8	5180.040	5150 to 5250	Pass	
				0	3.8	5180.040	5150 to 5250	Pass	
				10	3.8	5180.040	5150 to 5250	Pass	
				30	3.8	5180.040	5150 to 5250	Pass	
				40	3.8	5180.060	5150 to 5250	Pass	
				50	3.8	5180.060	5150 to 5250	Pass	
					3.23	5200.040	5150 to 5250	Pass	
					20	3.8	5200.060	5150 to 5250	Pass
						4.37	5200.040	5150 to 5250	Pass
						-30	5200.020	5150 to 5250	Pass
						-20	5200.060	5150 to 5250	Pass
						-10	5200.040	5150 to 5250	Pass
						0	5200.060	5150 to 5250	Pass
						10	5200.020	5150 to 5250	Pass
						30	5200.060	5150 to 5250	Pass
						40	5200.060	5150 to 5250	Pass
						50	5200.020	5150 to 5250	Pass
					3.23	5240.060	5150 to 5250	Pass	
					20	3.8	5240.040	5150 to 5250	Pass
						4.37	5240.040	5150 to 5250	Pass
						-30	5240.060	5150 to 5250	Pass
						-20	5240.040	5150 to 5250	Pass
						-10	5240.060	5150 to 5250	Pass
						0	5240.040	5150 to 5250	Pass
						10	5240.040	5150 to 5250	Pass
						30	5240.040	5150 to 5250	Pass
						40	5240.040	5150 to 5250	Pass
						50	5240.060	5150 to 5250	Pass
					3.23	5260.060	5250 to 5350	Pass	
					20	3.8	5260.080	5250 to 5350	Pass
						4.37	5260.060	5250 to 5350	Pass
						-30	5260.060	5250 to 5350	Pass
						-20	5260.060	5250 to 5350	Pass
						-10	5260.040	5250 to 5350	Pass
						0	5260.060	5250 to 5350	Pass
						10	5260.060	5250 to 5350	Pass
						30	5260.040	5250 to 5350	Pass
						40	5260.040	5250 to 5350	Pass

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](mailto:CN_Doccheck@sgs.com)

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](http://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](mailto:sgs.china@sgs.com)



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a member of SGS Group LLC Laboratory.

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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241000388704

Page: 180 of 186

		/	50	3.8	5260.020	5250 to 5350	Pass	
			20	3.23	5300.020	5250 to 5350	Pass	
				3.8	5300.060	5250 to 5350	Pass	
				4.37	5300.040	5250 to 5350	Pass	
			-30	3.8	5300.060	5250 to 5350	Pass	
			-20	3.8	5300.080	5250 to 5350	Pass	
			-10	3.8	5300.060	5250 to 5350	Pass	
			0	3.8	5300.040	5250 to 5350	Pass	
			10	3.8	5300.100	5250 to 5350	Pass	
			30	3.8	5300.060	5250 to 5350	Pass	
			40	3.8	5300.060	5250 to 5350	Pass	
			50	3.8	5300.040	5250 to 5350	Pass	
			20	3.23	5320.020	5250 to 5350	Pass	
				3.8	5320.020	5250 to 5350	Pass	
				4.37	5320.040	5250 to 5350	Pass	
				-30	3.8	5320.060	5250 to 5350	Pass
				-20	3.8	5320.040	5250 to 5350	Pass
				-10	3.8	5320.040	5250 to 5350	Pass
				0	3.8	5320.040	5250 to 5350	Pass
				10	3.8	5320.060	5250 to 5350	Pass
				30	3.8	5320.060	5250 to 5350	Pass
				40	3.8	5320.020	5250 to 5350	Pass
				50	3.8	5320.040	5250 to 5350	Pass

802.11ac (VHT20)	SISO	/	20	3.23	5180.040	5150 to 5250	Pass	
				3.8	5180.040	5150 to 5250	Pass	
				4.37	5180.040	5150 to 5250	Pass	
				-30	3.8	5180.060	5150 to 5250	Pass
				-20	3.8	5180.060	5150 to 5250	Pass
				-10	3.8	5180.020	5150 to 5250	Pass
				0	3.8	5180.040	5150 to 5250	Pass
				10	3.8	5180.040	5150 to 5250	Pass
				30	3.8	5180.040	5150 to 5250	Pass
				40	3.8	5180.020	5150 to 5250	Pass
				50	3.8	5180.040	5150 to 5250	Pass
			20	3.23	5200.060	5150 to 5250	Pass	
				3.8	5200.020	5150 to 5250	Pass	
				4.37	5200.060	5150 to 5250	Pass	
				-30	3.8	5200.000	5150 to 5250	Pass
				-20	3.8	5200.040	5150 to 5250	Pass

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](mailto:CN_Doccheck@sgs.com)

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

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a member of SGS Group. SGS Group is a global leader in inspection, testing and certification services. SGS Group is a member of SGS Group. SGS Group is a global leader in inspection, testing and certification services.



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a member of SGS Group. SGS Group is a global leader in inspection, testing and certification services. SGS Group is a member of SGS Group. SGS Group is a global leader in inspection, testing and certification services.

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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241000388704

Page: 181 of 186

				-10	3.8	5200.040	5150 to 5250	Pass
				0	3.8	5200.060	5150 to 5250	Pass
				10	3.8	5200.040	5150 to 5250	Pass
				30	3.8	5200.060	5150 to 5250	Pass
				40	3.8	5200.040	5150 to 5250	Pass
				50	3.8	5200.060	5150 to 5250	Pass
			5240 /	20	3.23	5240.040	5150 to 5250	Pass
					3.8	5240.060	5150 to 5250	Pass
					4.37	5240.060	5150 to 5250	Pass
				-30	3.8	5240.080	5150 to 5250	Pass
				-20	3.8	5240.040	5150 to 5250	Pass
				-10	3.8	5240.020	5150 to 5250	Pass
				0	3.8	5240.040	5150 to 5250	Pass
				10	3.8	5240.060	5150 to 5250	Pass
				30	3.8	5240.040	5150 to 5250	Pass
				40	3.8	5240.060	5150 to 5250	Pass
			5260 /	20	3.23	5260.020	5250 to 5350	Pass
					3.8	5260.060	5250 to 5350	Pass
					4.37	5260.040	5250 to 5350	Pass
				-30	3.8	5260.020	5250 to 5350	Pass
				-20	3.8	5260.020	5250 to 5350	Pass
				-10	3.8	5260.040	5250 to 5350	Pass
				0	3.8	5260.040	5250 to 5350	Pass
				10	3.8	5260.020	5250 to 5350	Pass
				30	3.8	5260.040	5250 to 5350	Pass
				40	3.8	5260.080	5250 to 5350	Pass
				50	3.8	5260.040	5250 to 5350	Pass
			5300 /	20	3.23	5300.060	5250 to 5350	Pass
					3.8	5300.060	5250 to 5350	Pass
					4.37	5300.100	5250 to 5350	Pass
				-30	3.8	5300.080	5250 to 5350	Pass
				-20	3.8	5300.040	5250 to 5350	Pass
				-10	3.8	5300.040	5250 to 5350	Pass
				0	3.8	5300.080	5250 to 5350	Pass
				10	3.8	5300.040	5250 to 5350	Pass
				30	3.8	5300.060	5250 to 5350	Pass
				40	3.8	5300.040	5250 to 5350	Pass
				50	3.8	5300.020	5250 to 5350	Pass
	5320	/		20	3.23	5320.040	5250 to 5350	Pass

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](mailto:CN_Doccheck@sgs.com)

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](http://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](mailto:sgs.china@sgs.com)



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a member of SGS Group. SGS is a registered trademark of SGS Group.

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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241000388704

Page: 182 of 186

					3.8	5320.020	5250 to 5350	Pass
					4.37	5320.060	5250 to 5350	Pass
				-30	3.8	5320.060	5250 to 5350	Pass
				-20	3.8	5320.040	5250 to 5350	Pass
				-10	3.8	5320.060	5250 to 5350	Pass
				0	3.8	5320.060	5250 to 5350	Pass
				10	3.8	5320.020	5250 to 5350	Pass
				30	3.8	5320.060	5250 to 5350	Pass
				40	3.8	5320.040	5250 to 5350	Pass
				50	3.8	5320.040	5250 to 5350	Pass

802.11ax (HEW20)	SISO	SU	5180	20	3.23	5180.080	5150 to 5250	Pass
				3.8	5180.040	5150 to 5250	Pass	
				4.37	5180.040	5150 to 5250	Pass	
				-30	3.8	5180.020	5150 to 5250	Pass
				-20	3.8	5180.040	5150 to 5250	Pass
				-10	3.8	5180.020	5150 to 5250	Pass
				0	3.8	5180.060	5150 to 5250	Pass
				10	3.8	5180.040	5150 to 5250	Pass
				30	3.8	5180.080	5150 to 5250	Pass
				40	3.8	5180.020	5150 to 5250	Pass
				50	3.8	5180.060	5150 to 5250	Pass
		SU	5200	20	3.23	5200.060	5150 to 5250	Pass
				3.8	5200.040	5150 to 5250	Pass	
				4.37	5200.040	5150 to 5250	Pass	
				-30	3.8	5200.060	5150 to 5250	Pass
				-20	3.8	5200.040	5150 to 5250	Pass
				-10	3.8	5200.020	5150 to 5250	Pass
				0	3.8	5200.060	5150 to 5250	Pass
				10	3.8	5200.040	5150 to 5250	Pass
				30	3.8	5200.060	5150 to 5250	Pass
				40	3.8	5200.080	5150 to 5250	Pass
				50	3.8	5200.020	5150 to 5250	Pass
		SU	5240	20	3.23	5240.040	5150 to 5250	Pass
				3.8	5240.080	5150 to 5250	Pass	
				4.37	5240.020	5150 to 5250	Pass	
				-30	3.8	5240.020	5150 to 5250	Pass
				-20	3.8	5240.040	5150 to 5250	Pass
				-10	3.8	5240.040	5150 to 5250	Pass
				0	3.8	5240.060	5150 to 5250	Pass

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](mailto:CN_Doccheck@sgs.com)

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](http://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](mailto:sgs.china@sgs.com)



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a member of SGS Group. SGS is a registered trademark of SGS Group.

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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241000388704

Page: 183 of 186

				10	3.8	5240.060	5150 to 5250	Pass
				30	3.8	5240.040	5150 to 5250	Pass
				40	3.8	5240.020	5150 to 5250	Pass
				50	3.8	5240.040	5150 to 5250	Pass
			5260	20	3.23	5260.060	5250 to 5350	Pass
					3.8	5260.020	5250 to 5350	Pass
					4.37	5260.060	5250 to 5350	Pass
				-30	3.8	5260.040	5250 to 5350	Pass
				-20	3.8	5260.060	5250 to 5350	Pass
				-10	3.8	5260.040	5250 to 5350	Pass
				0	3.8	5260.040	5250 to 5350	Pass
				10	3.8	5260.040	5250 to 5350	Pass
				30	3.8	5260.040	5250 to 5350	Pass
				40	3.8	5260.040	5250 to 5350	Pass
				50	3.8	5260.020	5250 to 5350	Pass
			5300	20	3.23	5300.040	5250 to 5350	Pass
					3.8	5300.040	5250 to 5350	Pass
					4.37	5300.020	5250 to 5350	Pass
				-30	3.8	5300.040	5250 to 5350	Pass
				-20	3.8	5300.040	5250 to 5350	Pass
				-10	3.8	5300.040	5250 to 5350	Pass
				0	3.8	5300.040	5250 to 5350	Pass
				10	3.8	5300.020	5250 to 5350	Pass
				30	3.8	5300.040	5250 to 5350	Pass
				40	3.8	5300.040	5250 to 5350	Pass
				50	3.8	5300.060	5250 to 5350	Pass
			5320	20	3.23	5320.040	5250 to 5350	Pass
					3.8	5320.040	5250 to 5350	Pass
					4.37	5320.040	5250 to 5350	Pass
				-30	3.8	5320.040	5250 to 5350	Pass
				-20	3.8	5320.040	5250 to 5350	Pass
				-10	3.8	5320.040	5250 to 5350	Pass
				0	3.8	5320.040	5250 to 5350	Pass
				10	3.8	5320.040	5250 to 5350	Pass
				30	3.8	5320.040	5250 to 5350	Pass
				40	3.8	5320.020	5250 to 5350	Pass
				50	3.8	5320.060	5250 to 5350	Pass

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](mailto:CN_Doccheck@sgs.com)

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](http://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](mailto:sgs.china@sgs.com)



## 6. DFS

(DFS: Non-occupancy period; Channel Move Time; Channel Closing Transmission Time)

Note: All antennas type has been tested and we found the antenna 1 has the worst result.

Only record the worst test result.

### Test plots as follows:

Radar Waveform Calibration Result

Radar Type 0

#### Test Data:

BW/Channel	Test Item	Test data	Limit	Results
20MHz/ 5320MHz	Non-occupancy period	Refer to test plots	>30 min	pass
	Channel Move Time	0.0s	<10 s	Pass
	Channel Closing Transmission Time	0.0s	<60ms	Pass



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

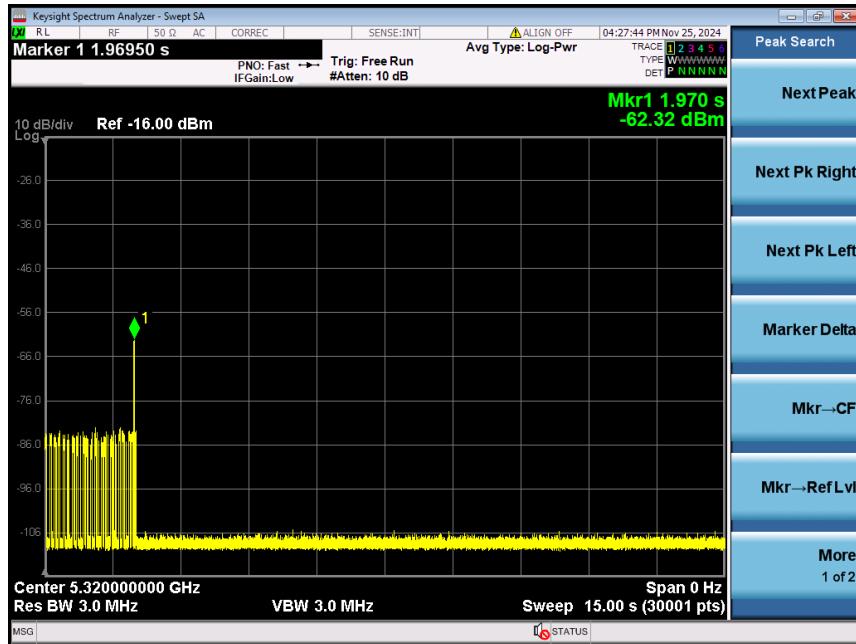
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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](mailto:CN_Doccheck@sgs.com)

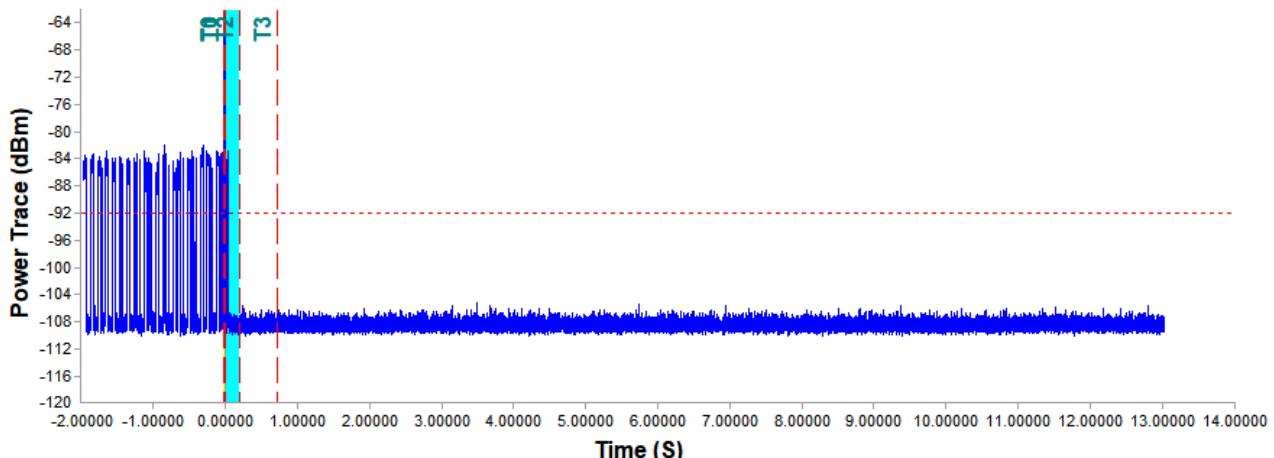
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)

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](mailto:sgs.china@sgs.com)

### Test plots as follows(5320MHz):



### In Service Monitor



#### Time Index Info

T0 : -0.0240 S (Radar Injection Start)  
T1 : 0.0000 S (Radar Injection Stop)  
T2 : 0.2000 S (200msec Interval)  
T3 : 0.0000 S (Channel Move Time)

Time Per Bin: 0.4999833

Channel Move Time: 0.0 S

Channel Close Time: 0.0 S

T2-T3 Bins Over Threshold:  
= 0 Bins



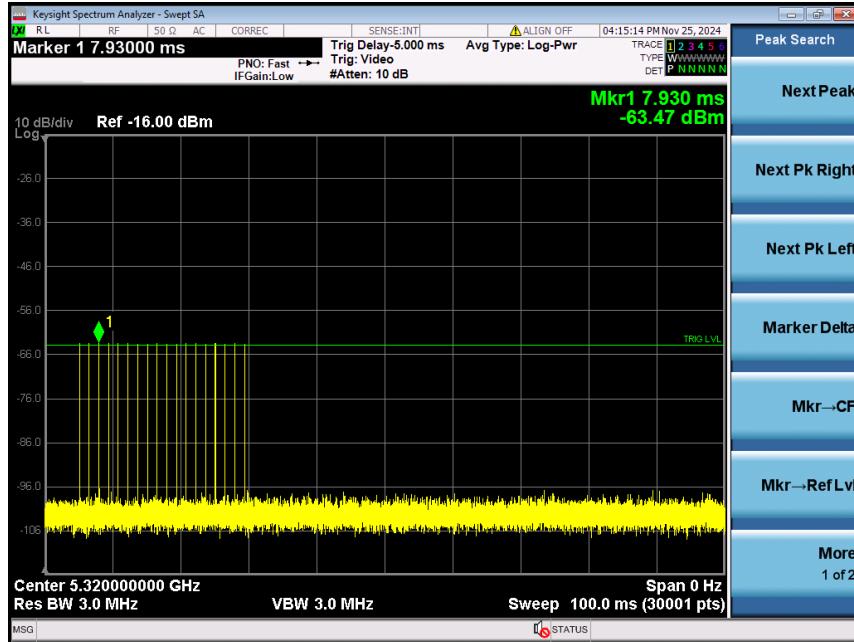
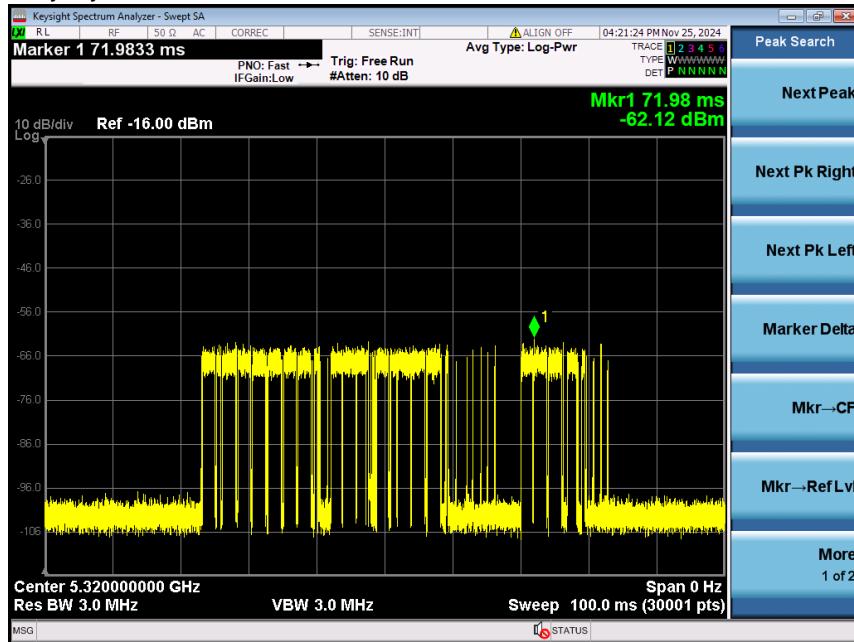
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a SGS Laboratory.

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](mailto:CN_Doccheck@sgs.com)

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](http://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](mailto:sgs.china@sgs.com)

**Test plots as follows(5570MHz):**

**Duty Cycle:**


- End of the 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.

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](mailto:CN_Doccheck@sgs.com)