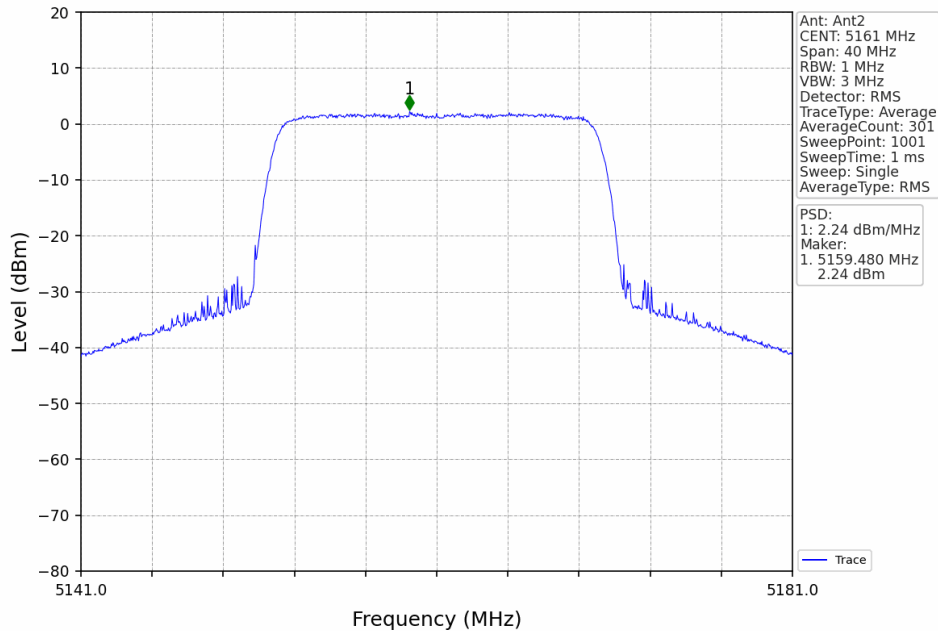
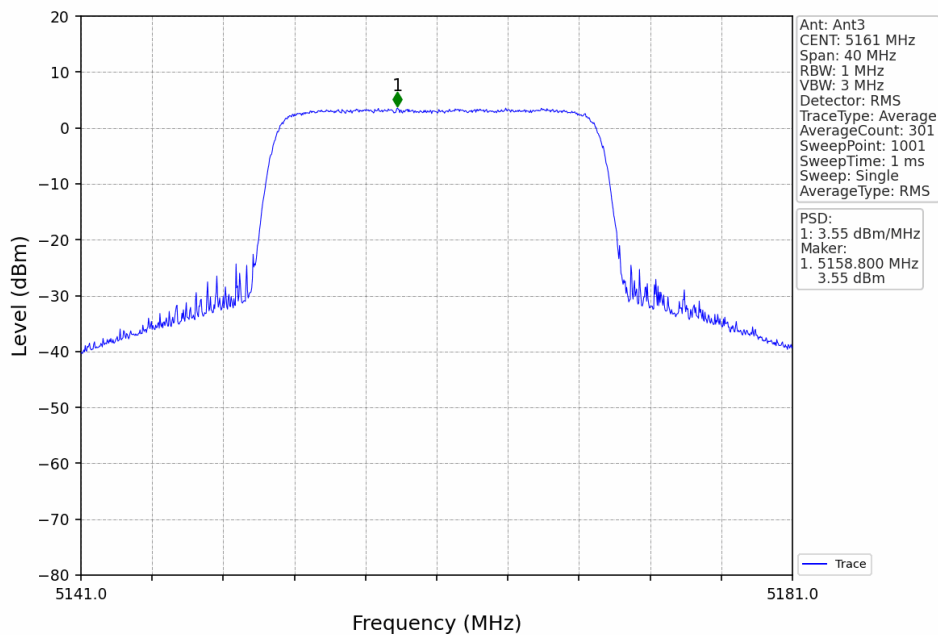


20M_LCH_5161MHz_Ant2_NTNV



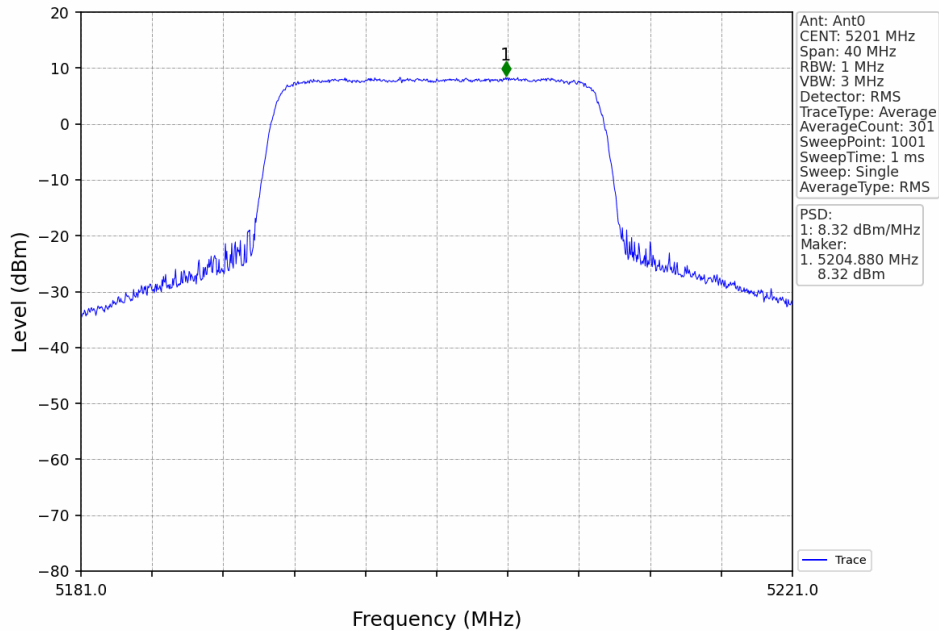
20M_LCH_5161MHz_Ant3_NTNV



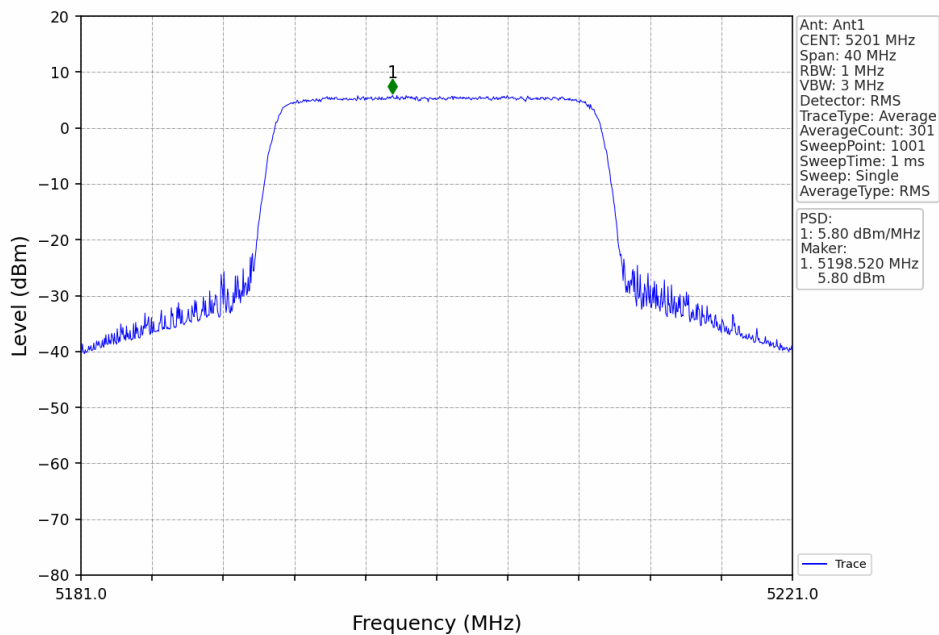
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

20M_MCH_5201MHz_Ant0_NTNV



20M_MCH_5201MHz_Ant1_NTNV



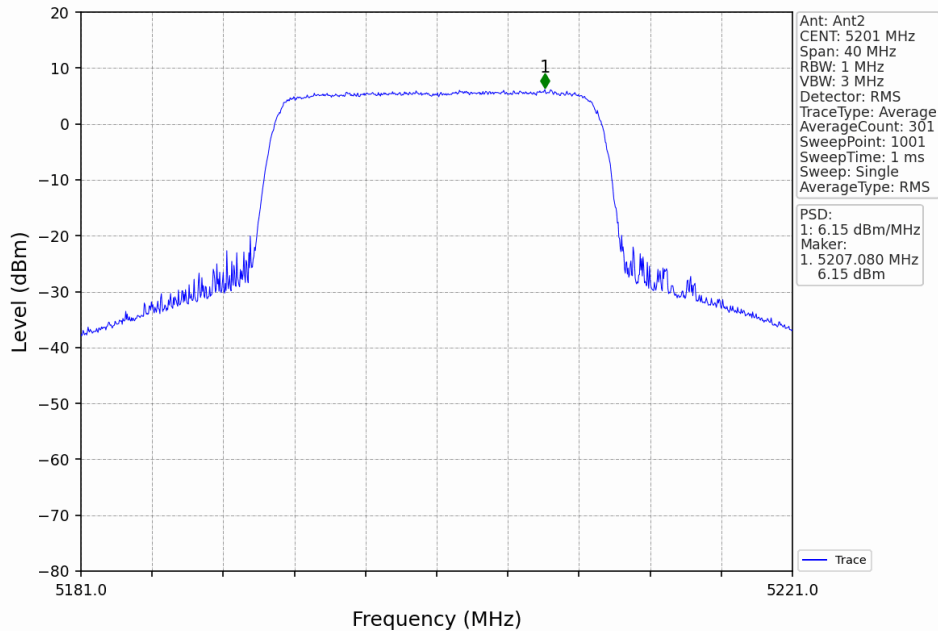
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

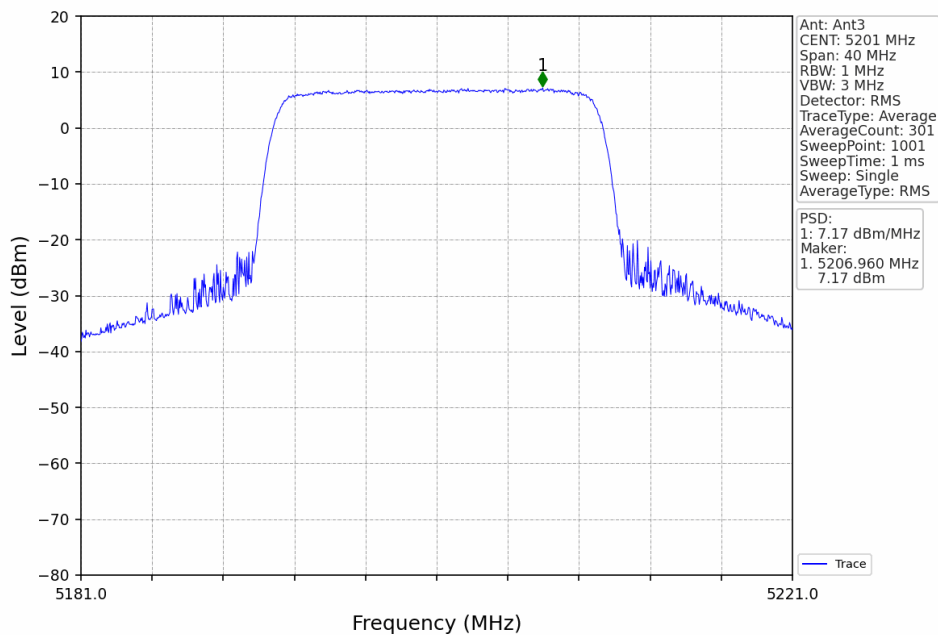
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing & Calibration Laboratory

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.sgs.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

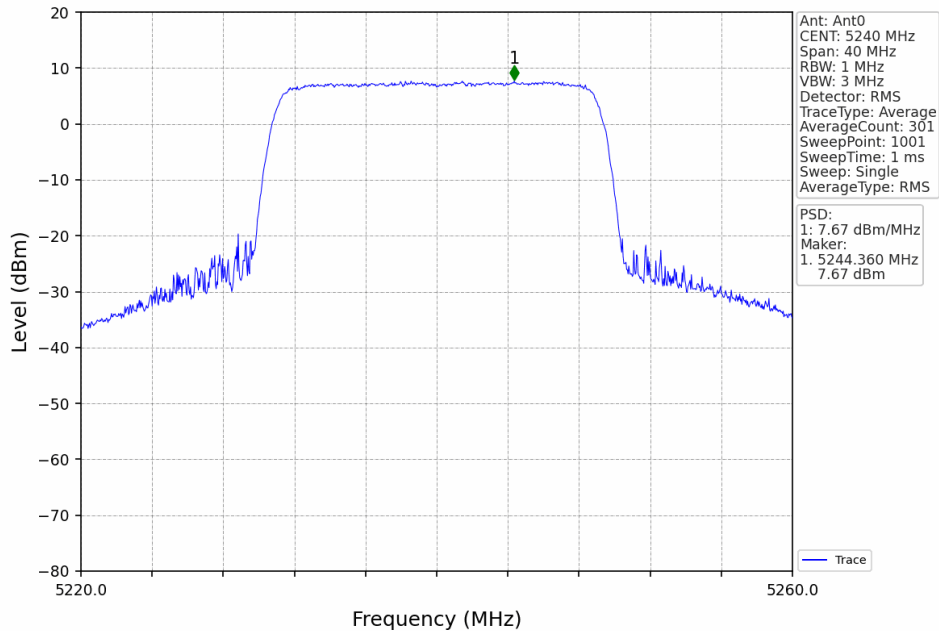
20M_MCH_5201MHz_Ant2_NTNV



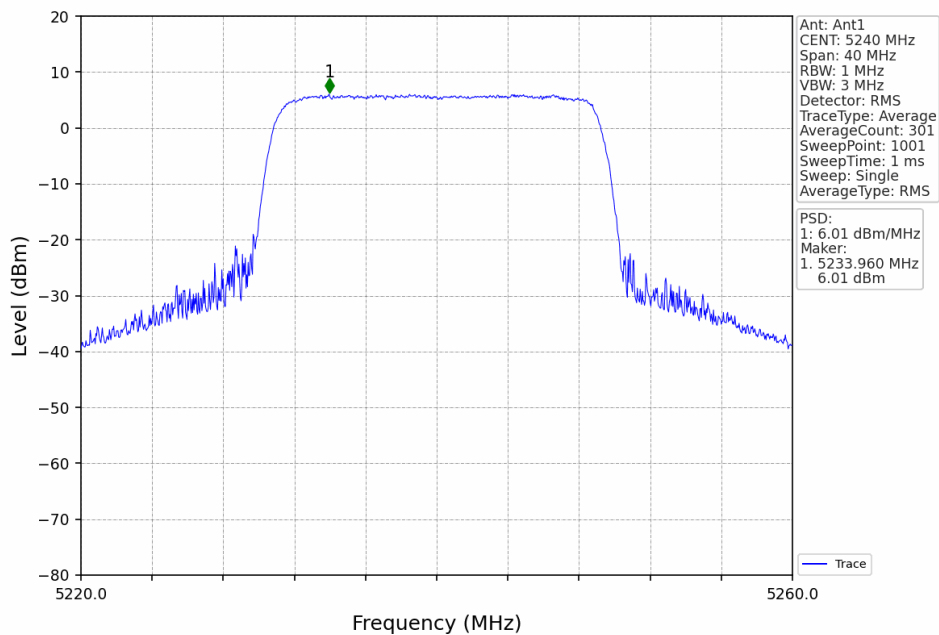
20M_MCH_5201MHz_Ant3_NTNV



20M_HCH_5240MHz_Ant0_NTNV



20M_HCH_5240MHz_Ant1_NTNV



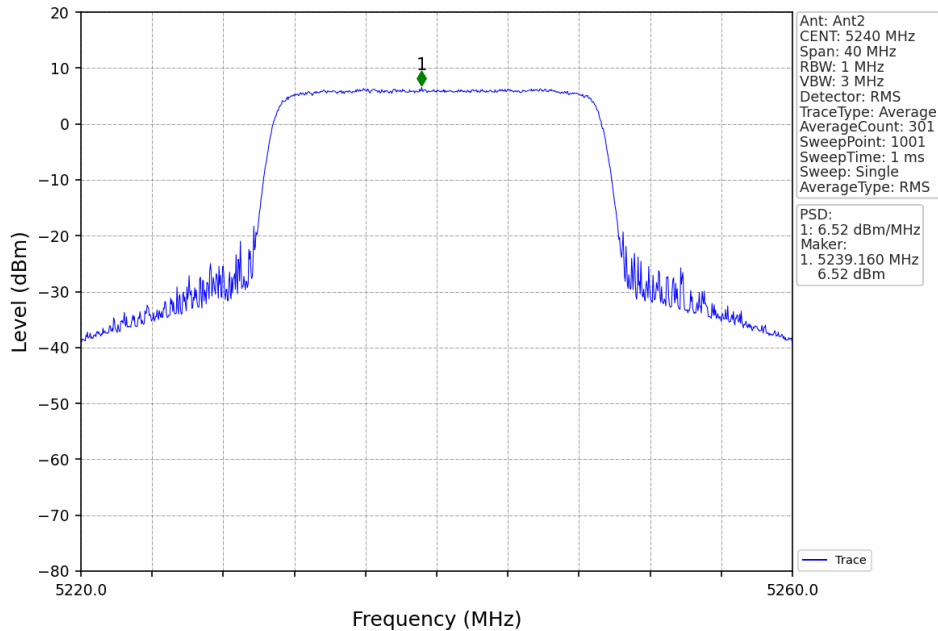
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

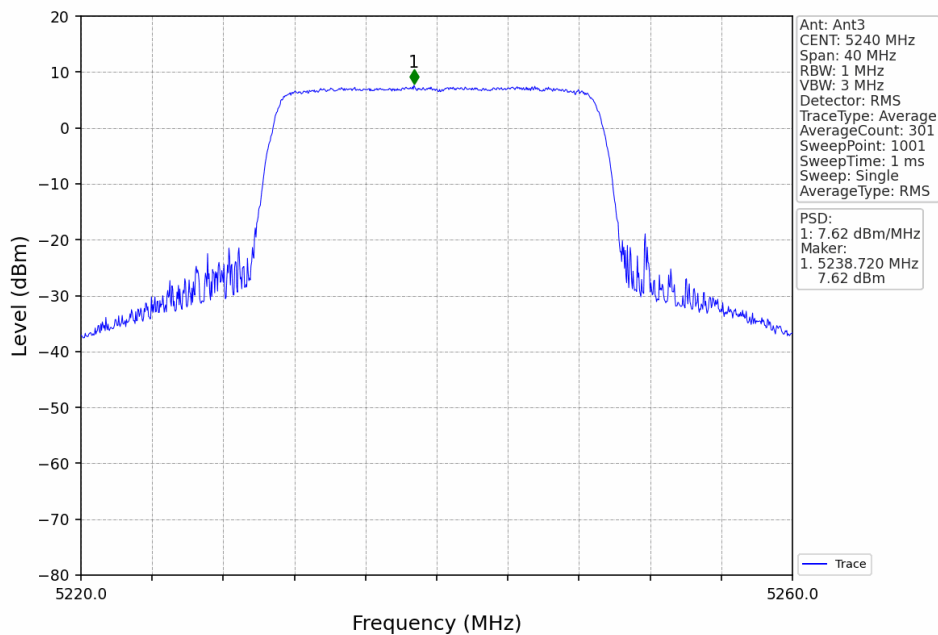
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing & Calibration Laboratory

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.sgs.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

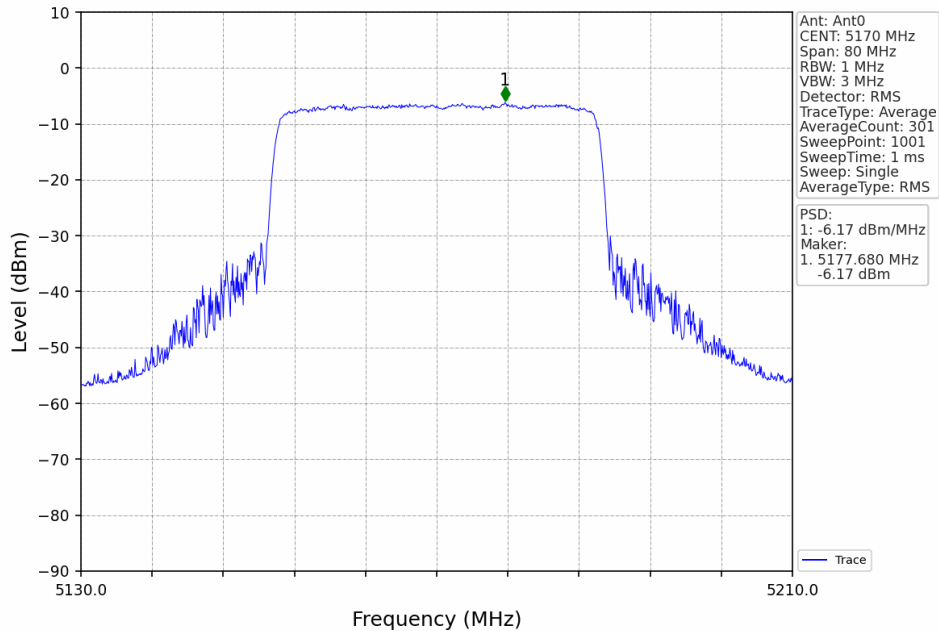
20M_HCH_5240MHz_Ant2_NTNV



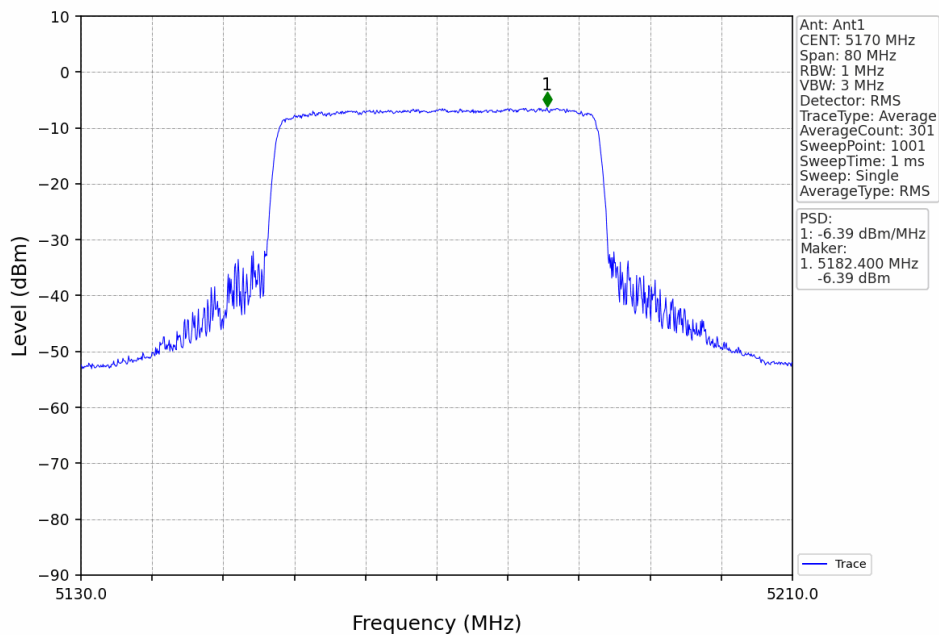
20M_HCH_5240MHz_Ant3_NTNV



40M_LCH_5170MHz_Ant0_NTNV



40M_LCH_5170MHz_Ant1_NTNV



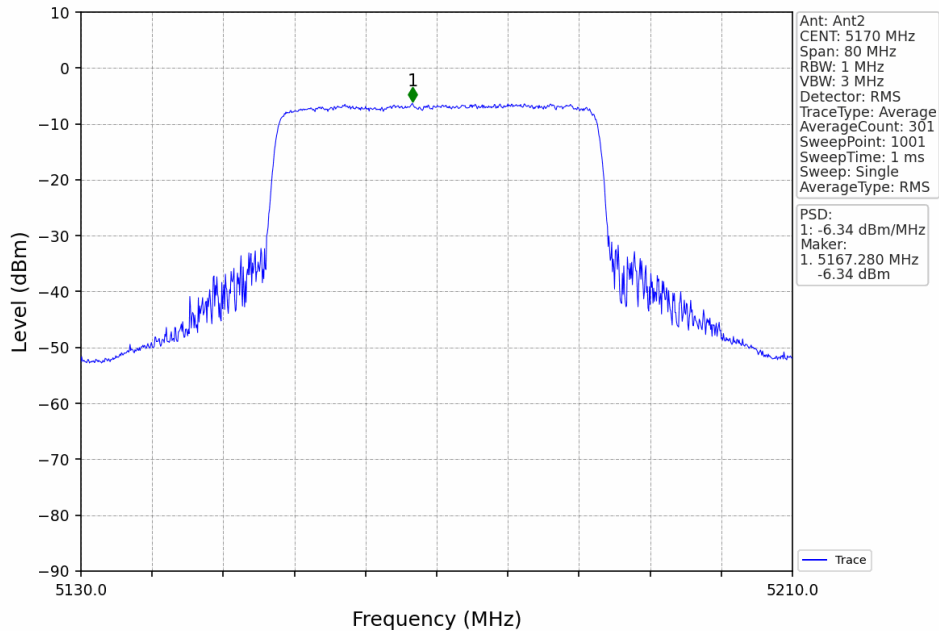
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

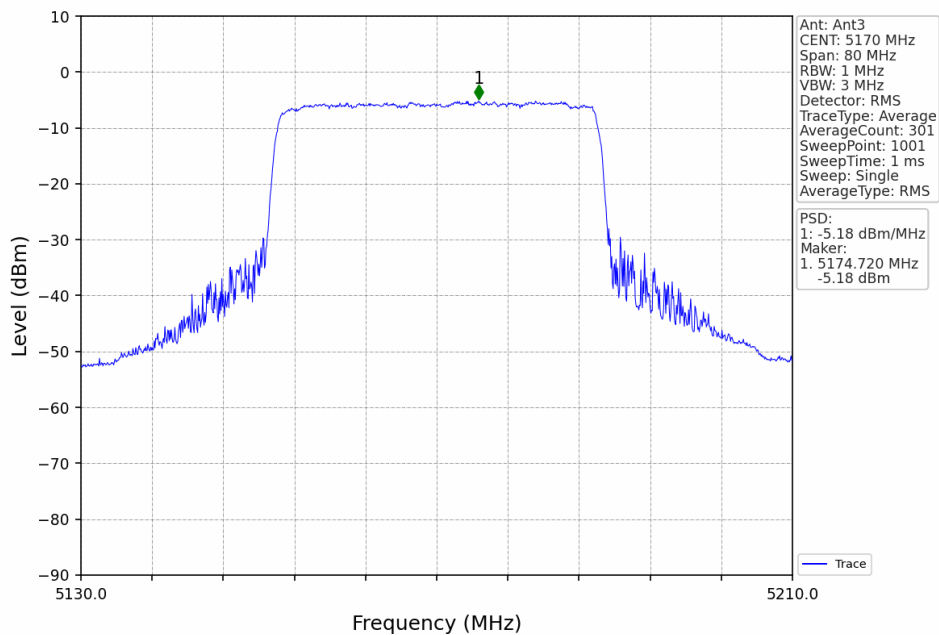
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Laboratory

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.sgs.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

40M_LCH_5170MHz_Ant2_NTNV



40M_LCH_5170MHz_Ant3_NTNV



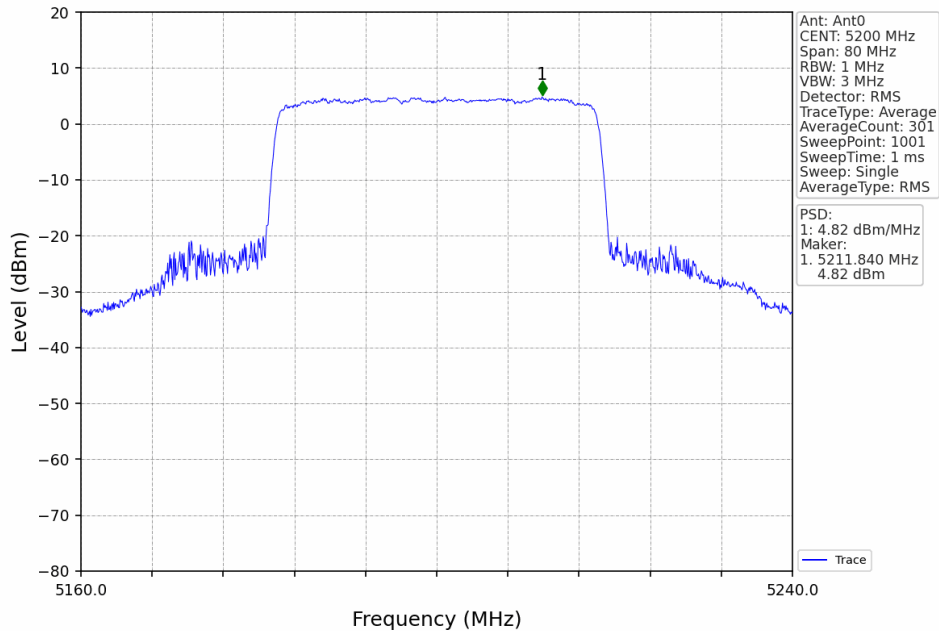
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

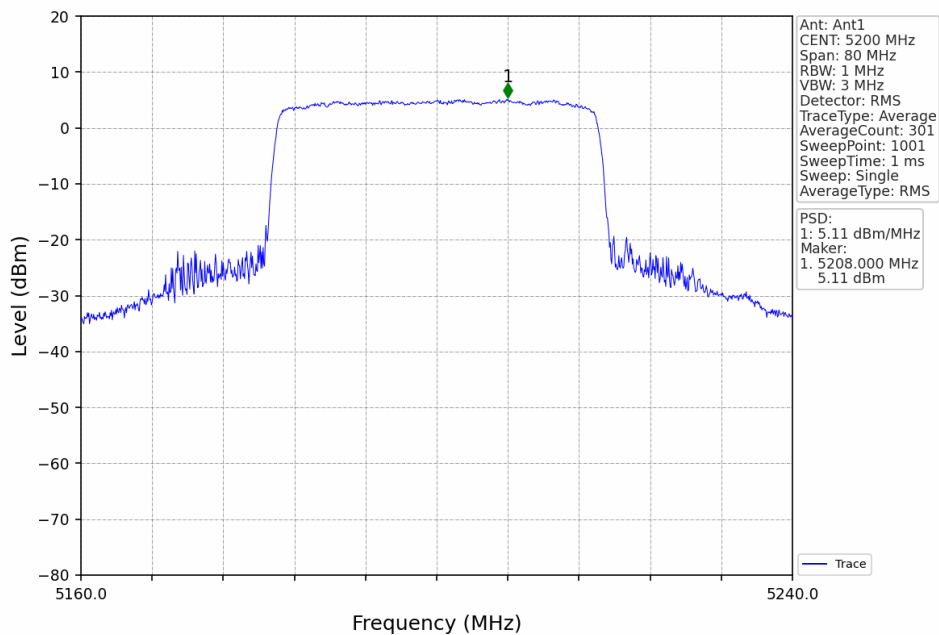
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Laboratory

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.sgs.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

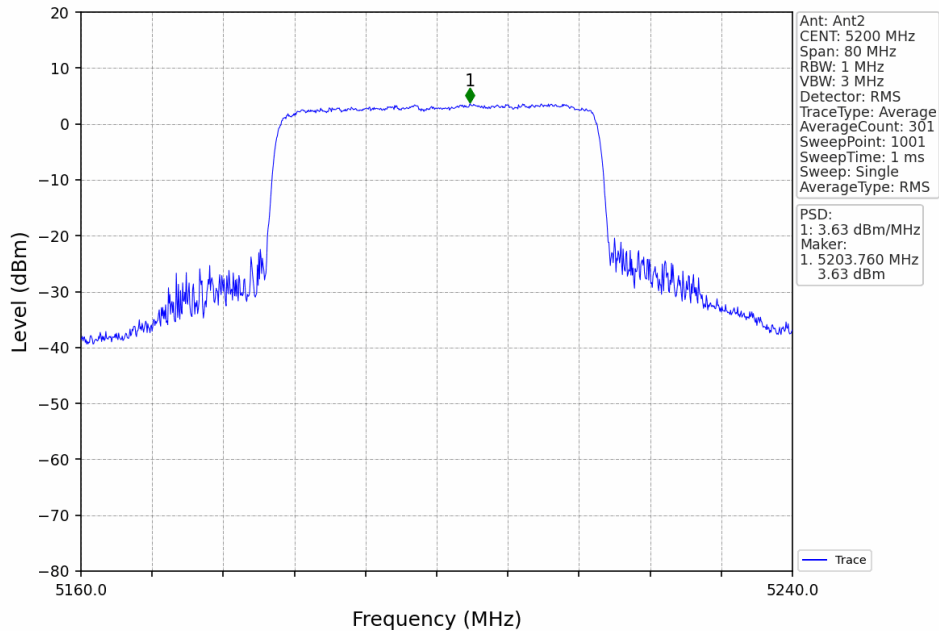
40M_MCH_5200MHz_Ant0_NTNV



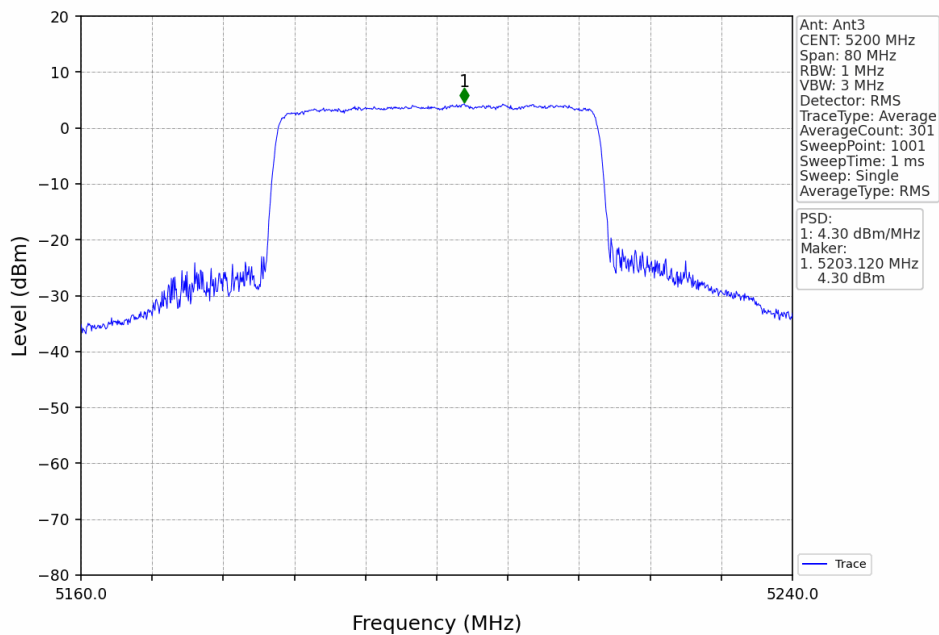
40M_MCH_5200MHz_Ant1_NTNV



40M_MCH_5200MHz_Ant2_NTNV



40M_MCH_5200MHz_Ant3_NTNV



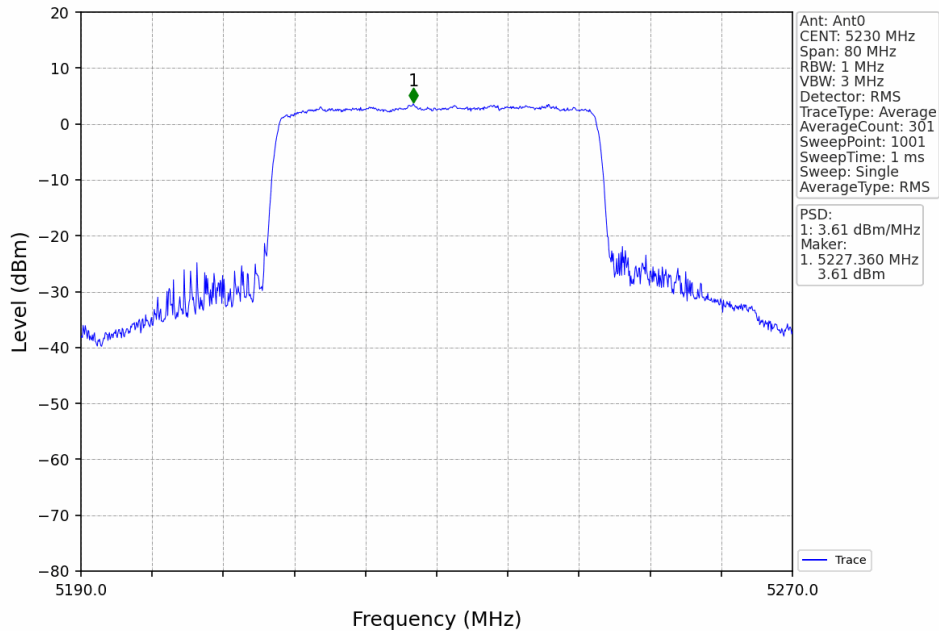
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

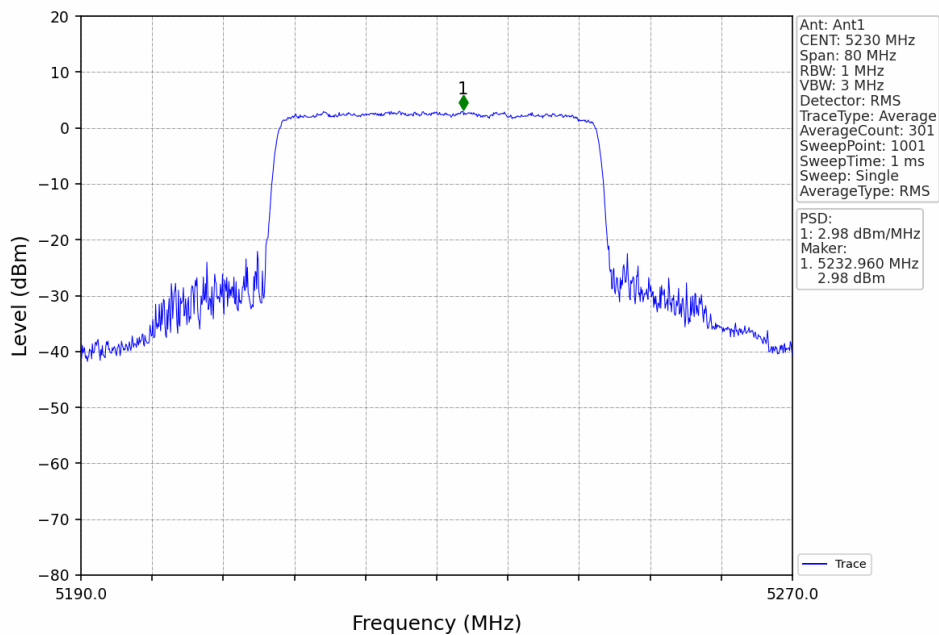
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing & Calibration Laboratory

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.sgs.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

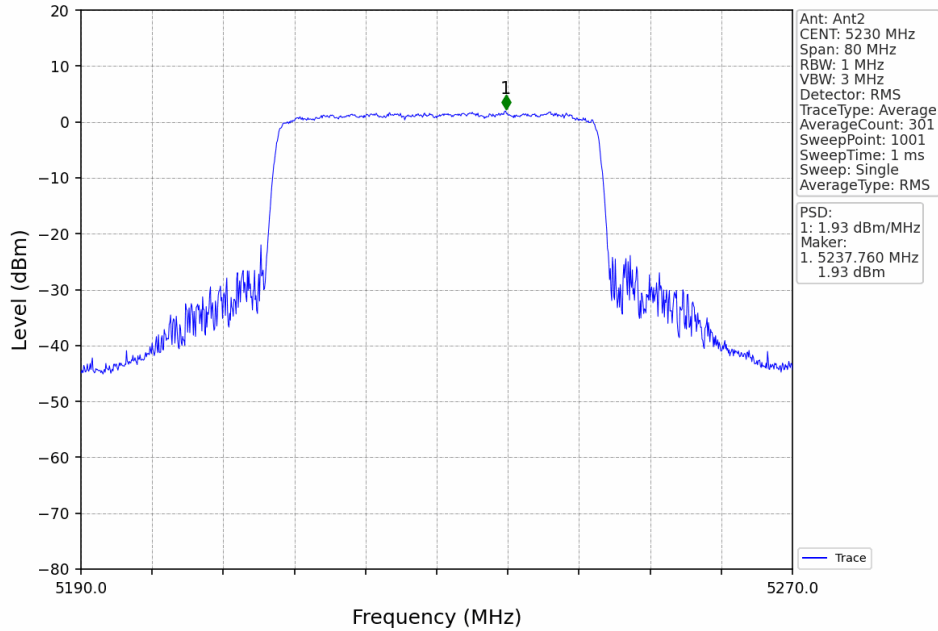
40M_HCH_5230MHz_Ant0_NTNV



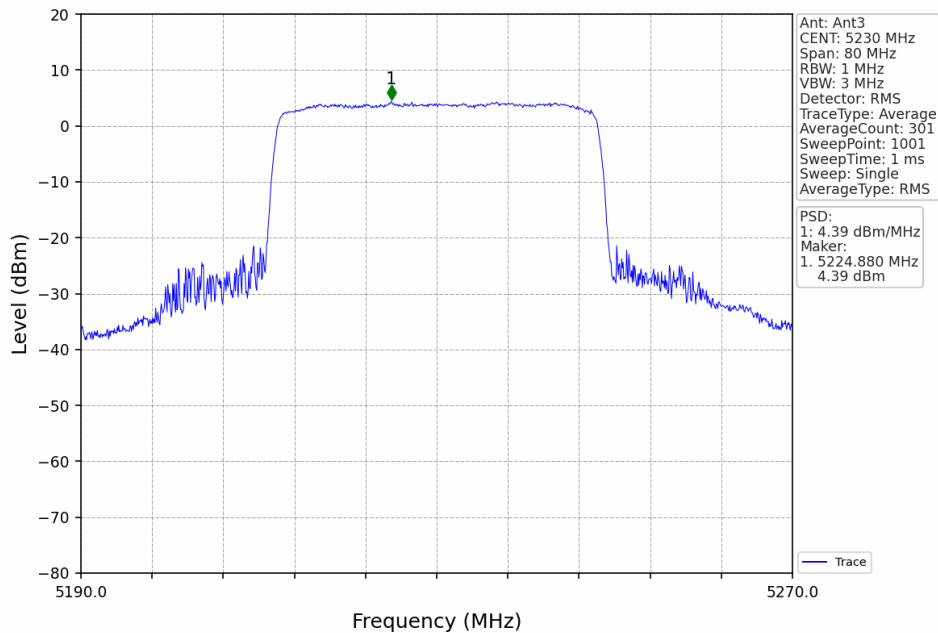
40M_HCH_5230MHz_Ant1_NTNV



40M_HCH_5230MHz_Ant2_NTNV



40M_HCH_5230MHz_Ant3_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

5. Frequency Stability

5.1 Ant0

5.1.1 Test Result

Ant0							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VDC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
10M	SISO	5157	20	3.06	5157.010	5150 to 5250	Pass
				3.60	5157.070	5150 to 5250	Pass
				4.14	5157.060	5150 to 5250	Pass
			-10	3.60	5156.980	5150 to 5250	Pass
			-5	3.60	5157.010	5150 to 5250	Pass
			0	3.60	5157.070	5150 to 5250	Pass
			5	3.60	5157.000	5150 to 5250	Pass
			10	3.60	5157.020	5150 to 5250	Pass
			20	3.60	5157.040	5150 to 5250	Pass
			30	3.60	5157.030	5150 to 5250	Pass
			40	3.60	5157.010	5150 to 5250	Pass
		5201	20	3.06	5201.020	5150 to 5250	Pass
				3.60	5201.020	5150 to 5250	Pass
				4.14	5201.030	5150 to 5250	Pass
			-10	3.60	5201.010	5150 to 5250	Pass
			-5	3.60	5201.080	5150 to 5250	Pass
			0	3.60	5201.030	5150 to 5250	Pass
			5	3.60	5201.050	5150 to 5250	Pass
			10	3.60	5201.050	5150 to 5250	Pass
			20	3.60	5201.020	5150 to 5250	Pass
			30	3.60	5200.980	5150 to 5250	Pass
			40	3.60	5201.010	5150 to 5250	Pass
		5245	20	3.06	5245.040	5150 to 5250	Pass
				3.60	5245.020	5150 to 5250	Pass
				4.14	5245.040	5150 to 5250	Pass
			-10	3.60	5245.010	5150 to 5250	Pass
			-5	3.60	5245.050	5150 to 5250	Pass
			0	3.60	5245.030	5150 to 5250	Pass
			5	3.60	5244.970	5150 to 5250	Pass
			10	3.60	5245.070	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

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

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

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230900303107

Page: 194 of 458

			20	3.60	5245.020	5150 to 5250	Pass
			30	3.60	5245.040	5150 to 5250	Pass
			40	3.60	5245.010	5150 to 5250	Pass
20M	SISO	5161	20	3.06	5161.060	5150 to 5250	Pass
				3.60	5161.060	5150 to 5250	Pass
				4.14	5161.060	5150 to 5250	Pass
			-10	3.60	5161.040	5150 to 5250	Pass
				3.60	5161.060	5150 to 5250	Pass
				3.60	5161.060	5150 to 5250	Pass
			0	3.60	5161.060	5150 to 5250	Pass
				3.60	5161.040	5150 to 5250	Pass
				3.60	5161.040	5150 to 5250	Pass
			10	3.60	5161.040	5150 to 5250	Pass
				3.60	5161.060	5150 to 5250	Pass
				3.60	5161.060	5150 to 5250	Pass
			20	3.60	5161.060	5150 to 5250	Pass
				3.60	5161.060	5150 to 5250	Pass
				3.60	5161.060	5150 to 5250	Pass
		5201	20	3.06	5201.040	5150 to 5250	Pass
				3.60	5201.040	5150 to 5250	Pass
				4.14	5201.060	5150 to 5250	Pass
			-10	3.60	5201.060	5150 to 5250	Pass
				3.60	5201.060	5150 to 5250	Pass
				3.60	5201.060	5150 to 5250	Pass
			0	3.60	5201.060	5150 to 5250	Pass
				3.60	5201.060	5150 to 5250	Pass
				3.60	5201.040	5150 to 5250	Pass
			20	3.60	5201.060	5150 to 5250	Pass
				3.60	5201.020	5150 to 5250	Pass
				3.60	5201.040	5150 to 5250	Pass
		5240	20	3.06	5240.060	5150 to 5250	Pass
				3.60	5240.060	5150 to 5250	Pass
				4.14	5240.060	5150 to 5250	Pass
			-10	3.60	5240.060	5150 to 5250	Pass
				3.60	5240.060	5150 to 5250	Pass
				3.60	5240.060	5150 to 5250	Pass
			0	3.60	5240.060	5150 to 5250	Pass
				3.60	5240.060	5150 to 5250	Pass
				3.60	5240.060	5150 to 5250	Pass
			10	3.60	5240.060	5150 to 5250	Pass
				3.60	5240.060	5150 to 5250	Pass
				3.60	5240.060	5150 to 5250	Pass
40M	SISO	5170	20	3.06	5170.120	5150 to 5250	Pass
				3.60	5170.080	5150 to 5250	Pass
				4.14	5170.120	5150 to 5250	Pass
			-10	3.60	5170.120	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

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

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230900303107

Page: 195 of 458

			-5	3.60	5170.120	5150 to 5250	Pass
			0	3.60	5170.120	5150 to 5250	Pass
			5	3.60	5170.120	5150 to 5250	Pass
			10	3.60	5170.080	5150 to 5250	Pass
			20	3.60	5170.120	5150 to 5250	Pass
			30	3.60	5170.120	5150 to 5250	Pass
			40	3.60	5170.120	5150 to 5250	Pass
		5200	20	3.06	5200.120	5150 to 5250	Pass
				3.60	5200.120	5150 to 5250	Pass
				4.14	5200.120	5150 to 5250	Pass
			-10	3.60	5200.120	5150 to 5250	Pass
			-5	3.60	5200.120	5150 to 5250	Pass
			0	3.60	5200.120	5150 to 5250	Pass
			5	3.60	5200.120	5150 to 5250	Pass
			10	3.60	5200.120	5150 to 5250	Pass
			20	3.60	5200.120	5150 to 5250	Pass
			30	3.60	5200.080	5150 to 5250	Pass
			40	3.60	5200.120	5150 to 5250	Pass
		5230	20	3.06	5230.120	5150 to 5250	Pass
				3.60	5230.120	5150 to 5250	Pass
				4.14	5230.120	5150 to 5250	Pass
			-10	3.60	5230.120	5150 to 5250	Pass
			-5	3.60	5230.120	5150 to 5250	Pass
			0	3.60	5230.120	5150 to 5250	Pass
			5	3.60	5230.120	5150 to 5250	Pass
			10	3.60	5230.120	5150 to 5250	Pass
			20	3.60	5230.120	5150 to 5250	Pass
			30	3.60	5230.120	5150 to 5250	Pass
			40	3.60	5230.120	5150 to 5250	Pass

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

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230900303107

Page: 196 of 458

5.1G SDR MIMO Mode

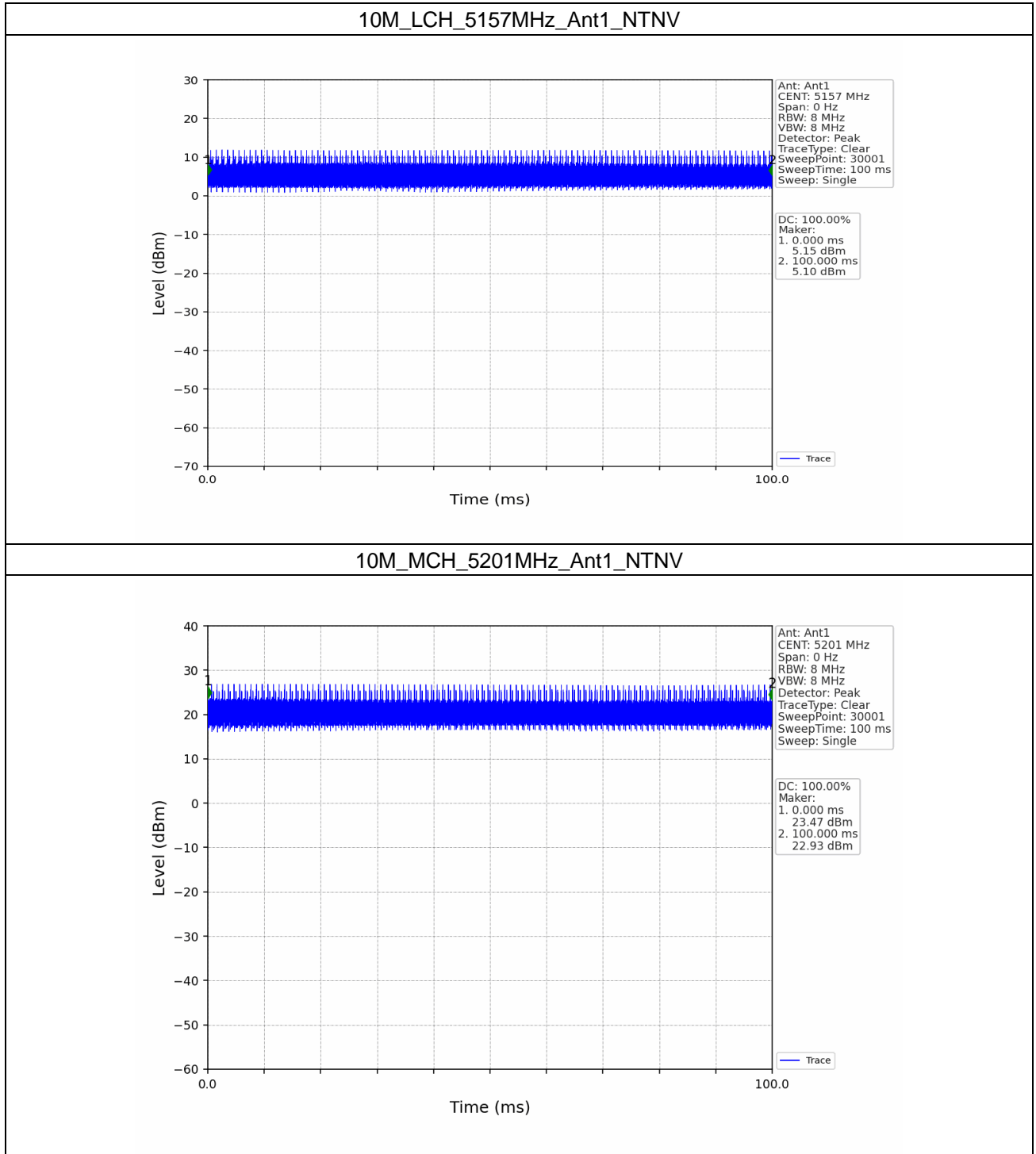
1. Duty Cycle

1.1 Ant1

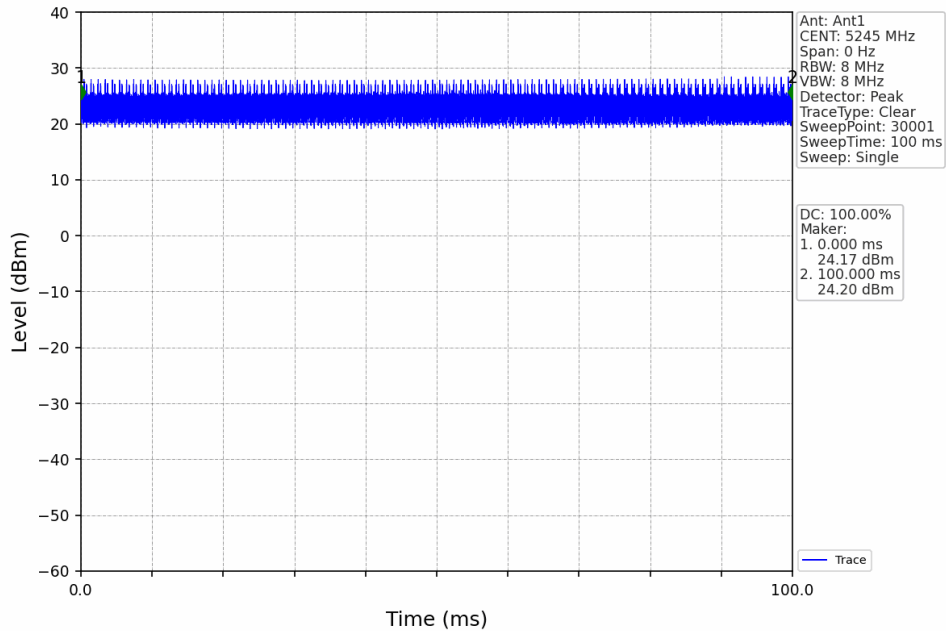
1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
10M	MIMO	5157	100.000	100.000	100.00	0.00	0.00
		5201	100.000	100.000	100.00	0.00	0.00
		5245	100.000	100.000	100.00	0.00	0.00
20M	MIMO	5161	100.000	100.000	100.00	0.00	0.00
		5201	100.000	100.000	100.00	0.00	0.00
		5240	100.000	100.000	100.00	0.00	0.00
40M	MIMO	5170	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5230	100.000	100.000	100.00	0.00	0.00

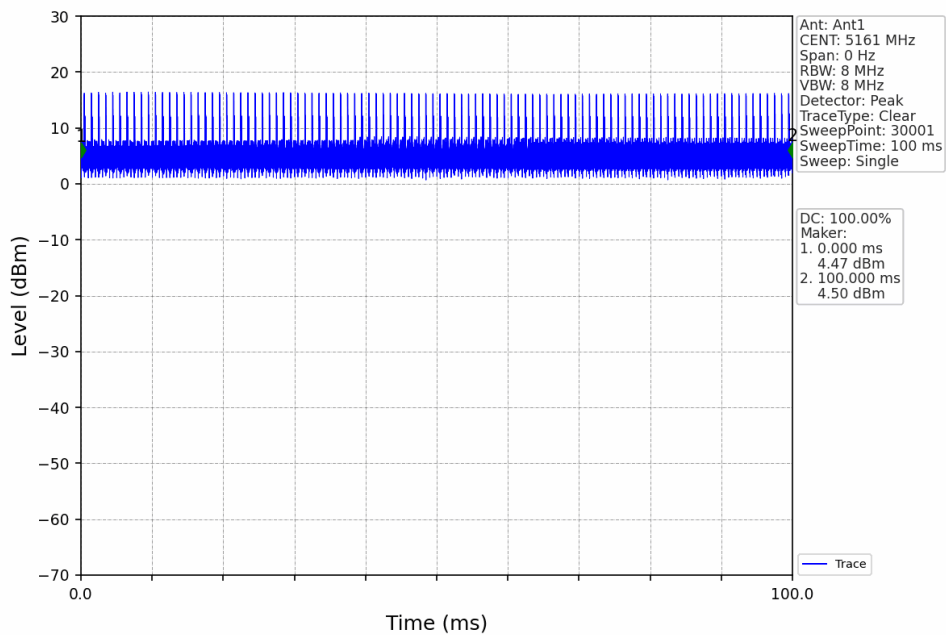
1.1.2 Test Graph



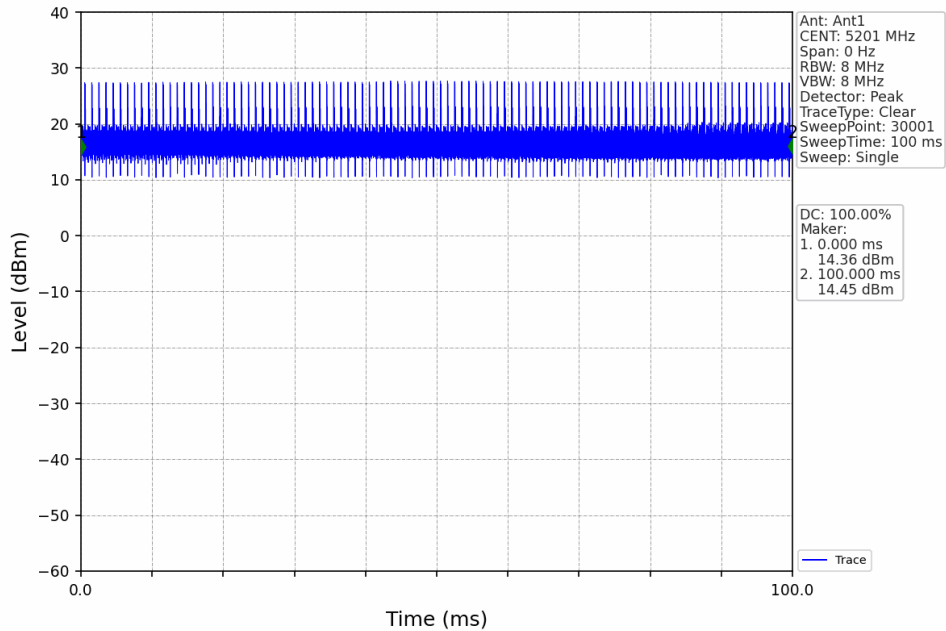
10M_HCH_5245MHz_Ant1_NTNV



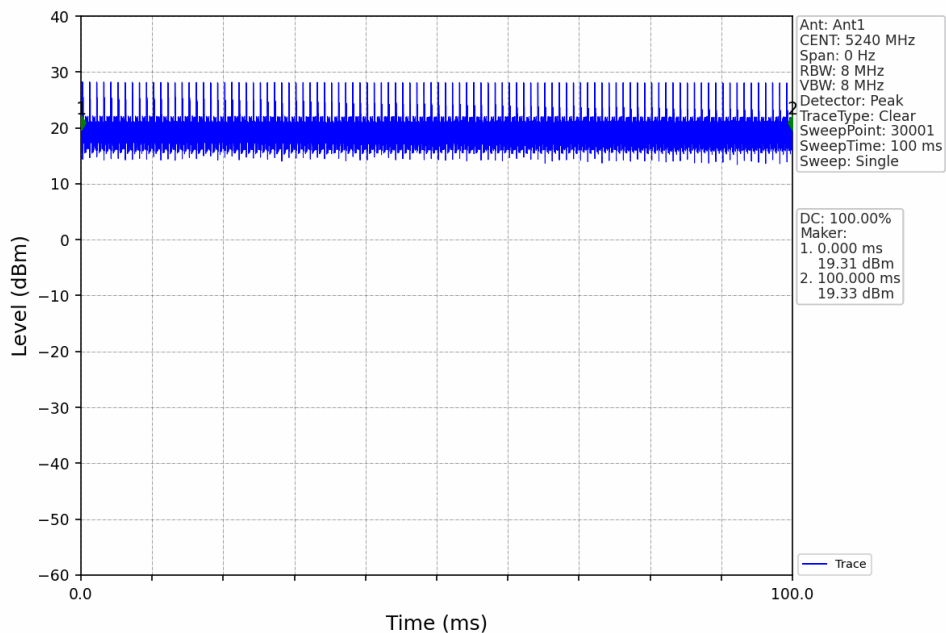
20M_LCH_5161MHz_Ant1_NTNV



20M_MCH_5201MHz_Ant1_NTNV



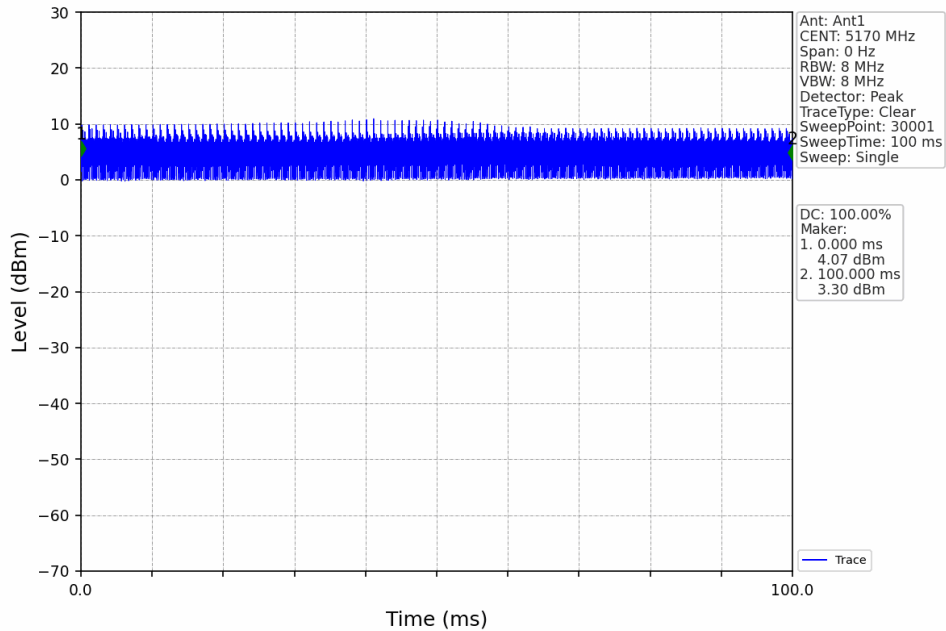
20M_HCH_5240MHz_Ant1_NTNV



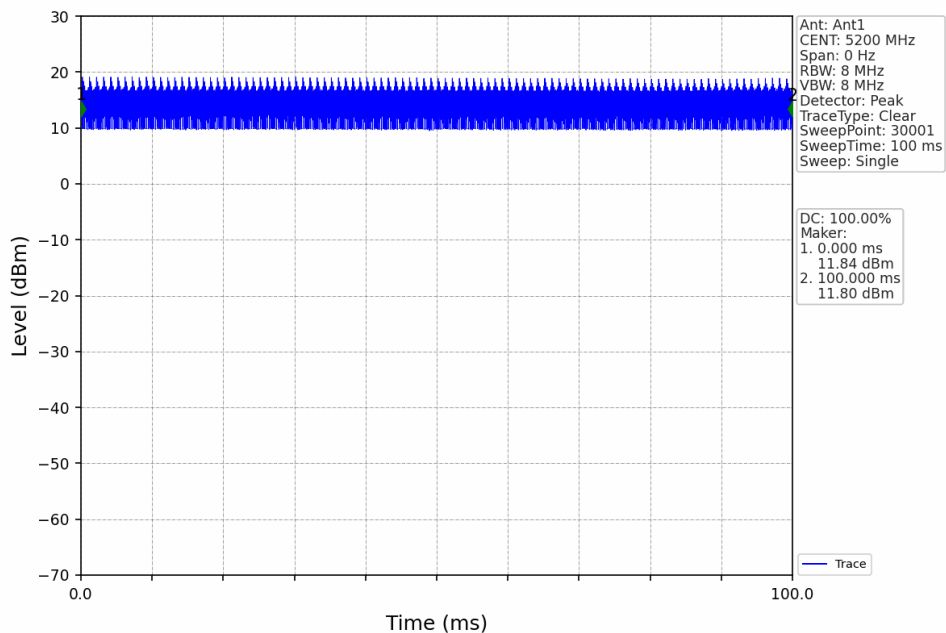
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

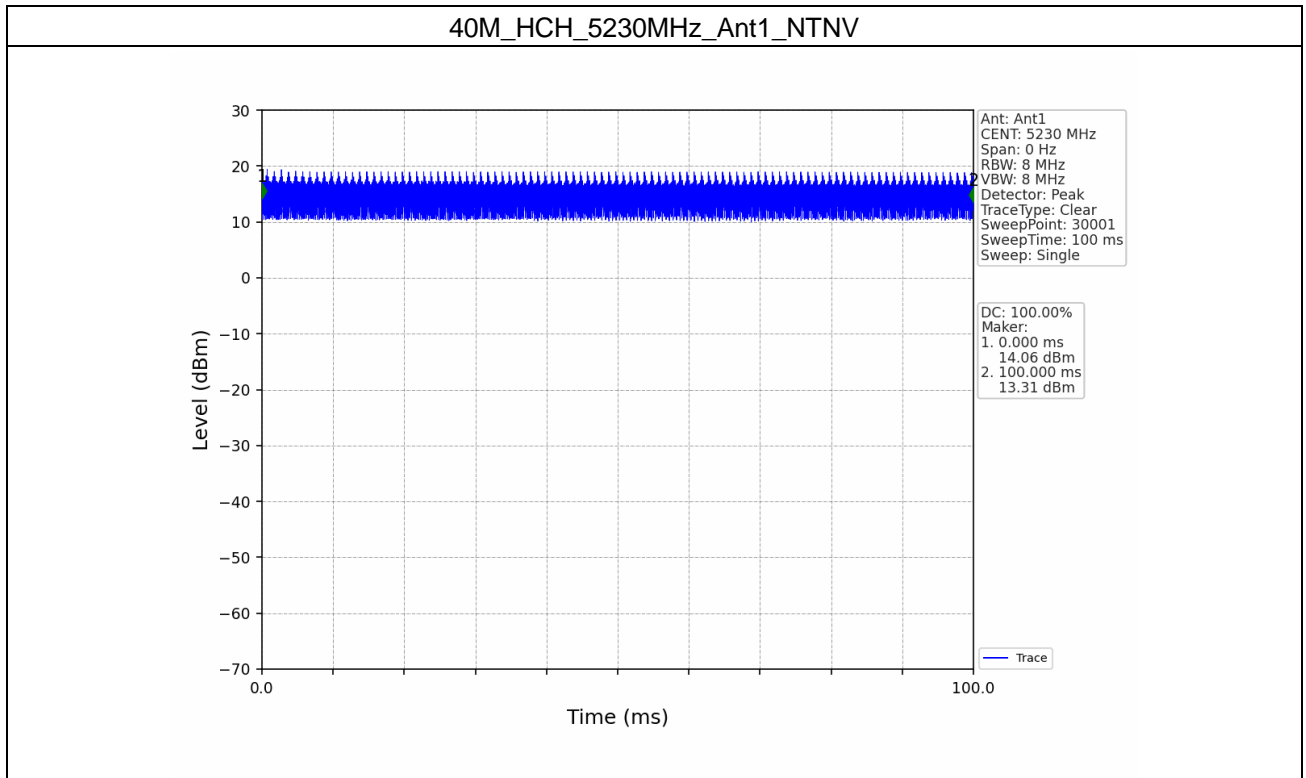
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

40M_LCH_5170MHz_Ant1_NTNV



40M_MCH_5200MHz_Ant1_NTNV





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

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230900303107

Page: 202 of 458

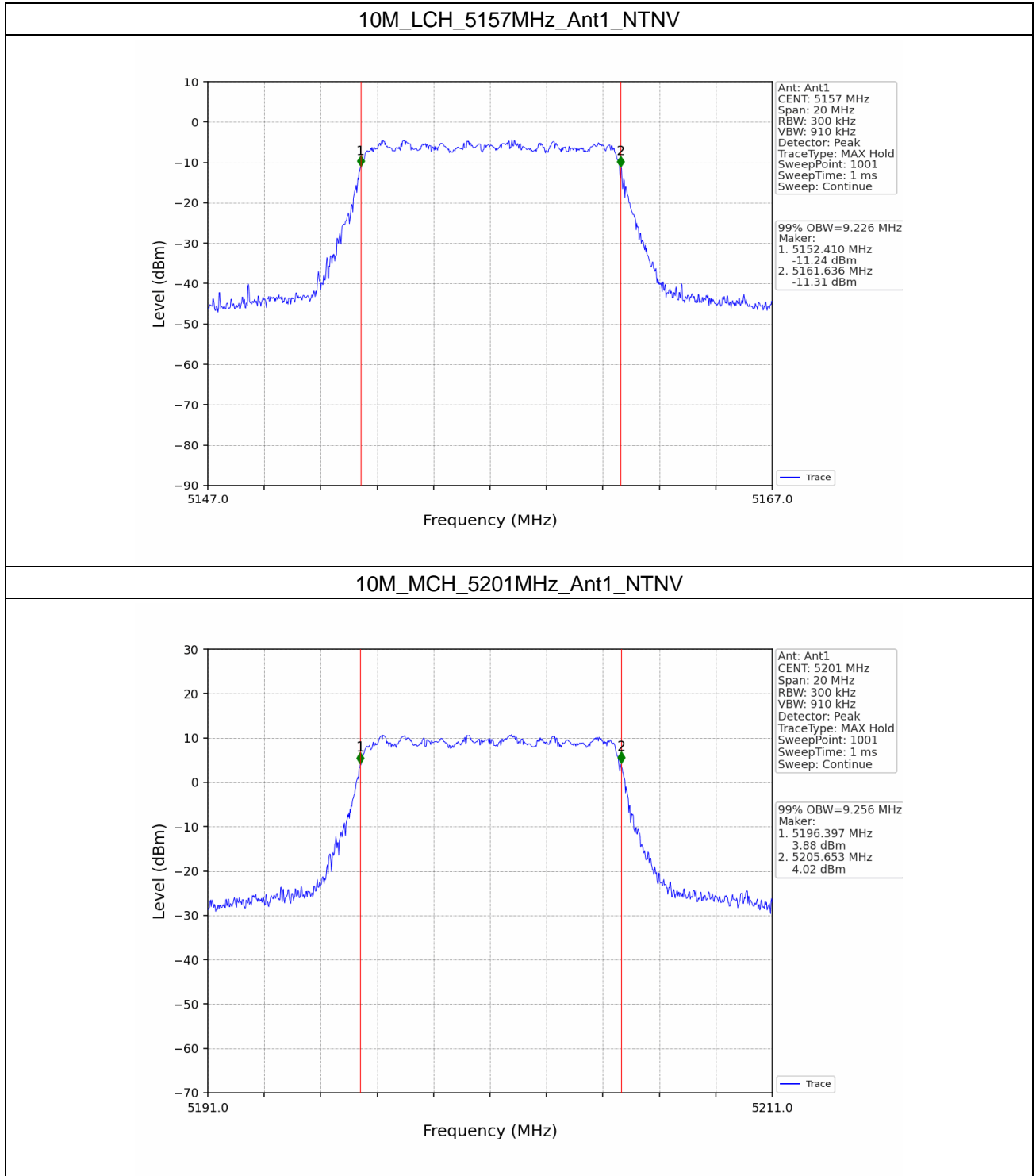
2. Bandwidth

2.1 OBW

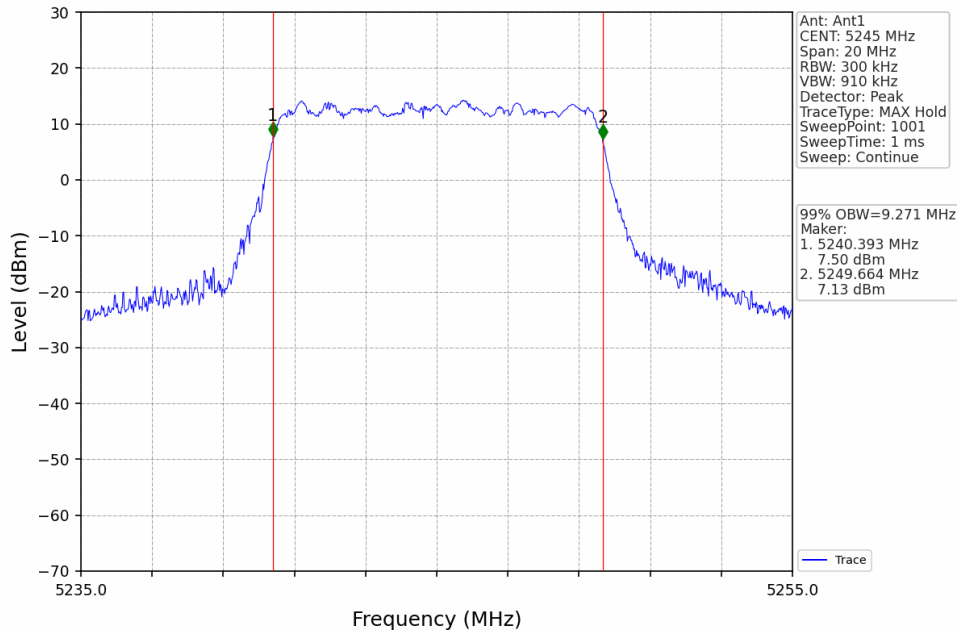
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
10M	MIMO	5157	1	9.226	Pass
		5201	1	9.256	Pass
		5245	1	9.271	Pass
20M	MIMO	5161	1	17.899	Pass
		5201	1	17.974	Pass
		5240	1	18.372	Pass
40M	MIMO	5170	1	41.211	Pass
		5200	1	42.578	Pass
		5230	1	43.390	Pass

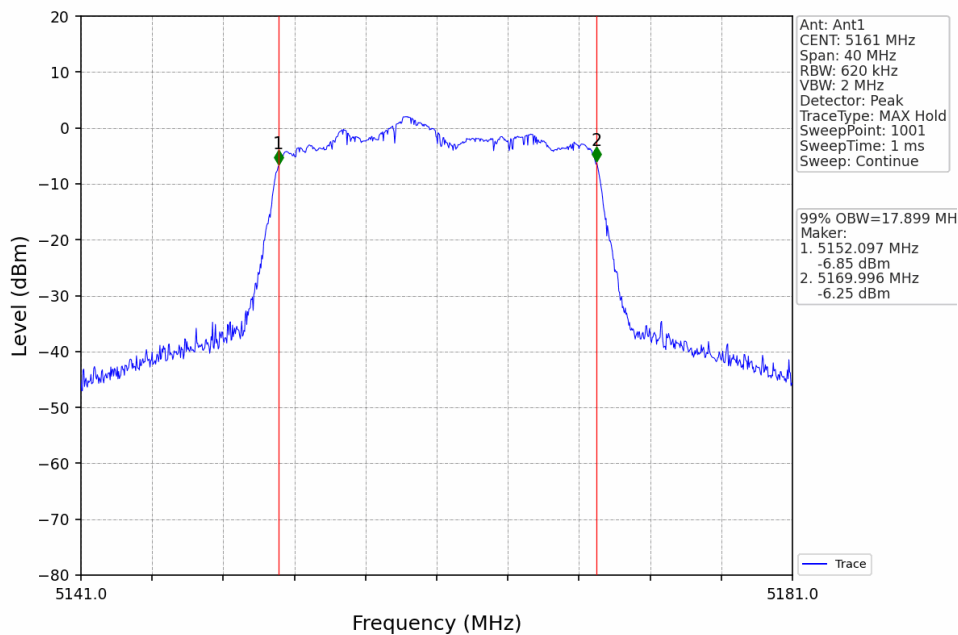
2.1.2 Test Graph



10M_HCH_5245MHz_Ant1_NTNV



20M_LCH_5161MHz_Ant1_NTNV



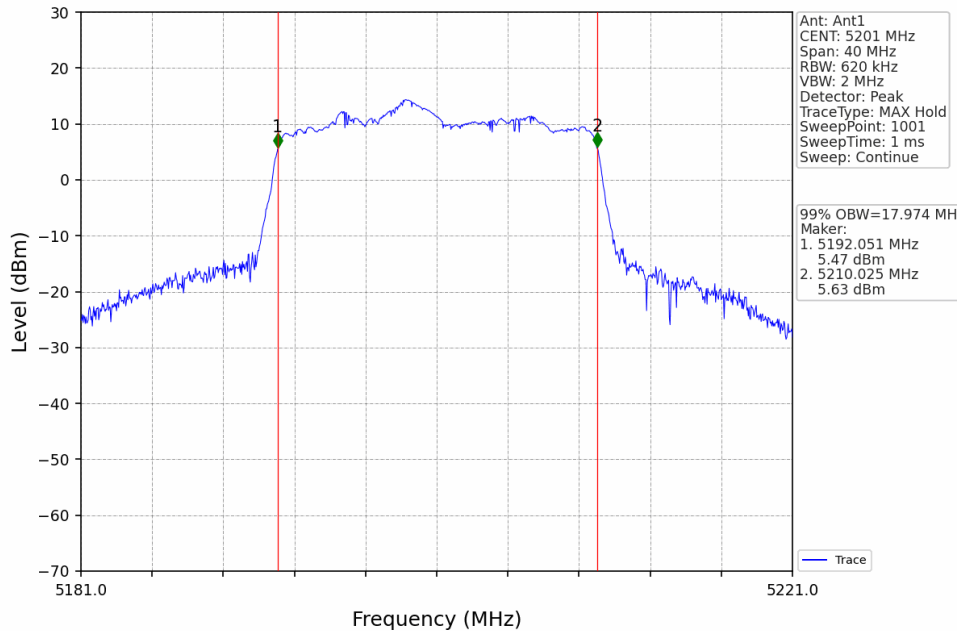
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

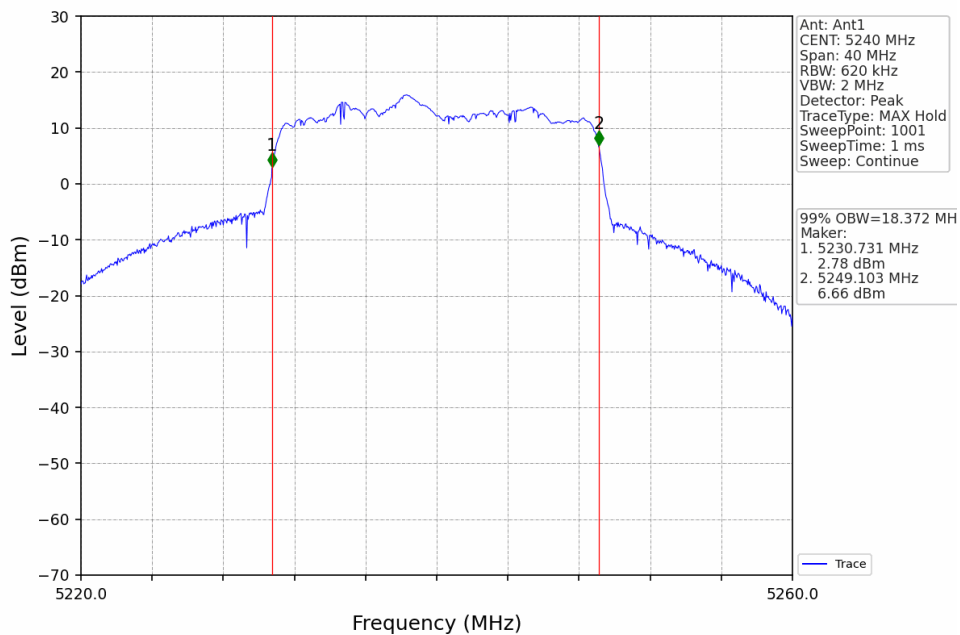
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing & Calibration Laboratory

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.sgs.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

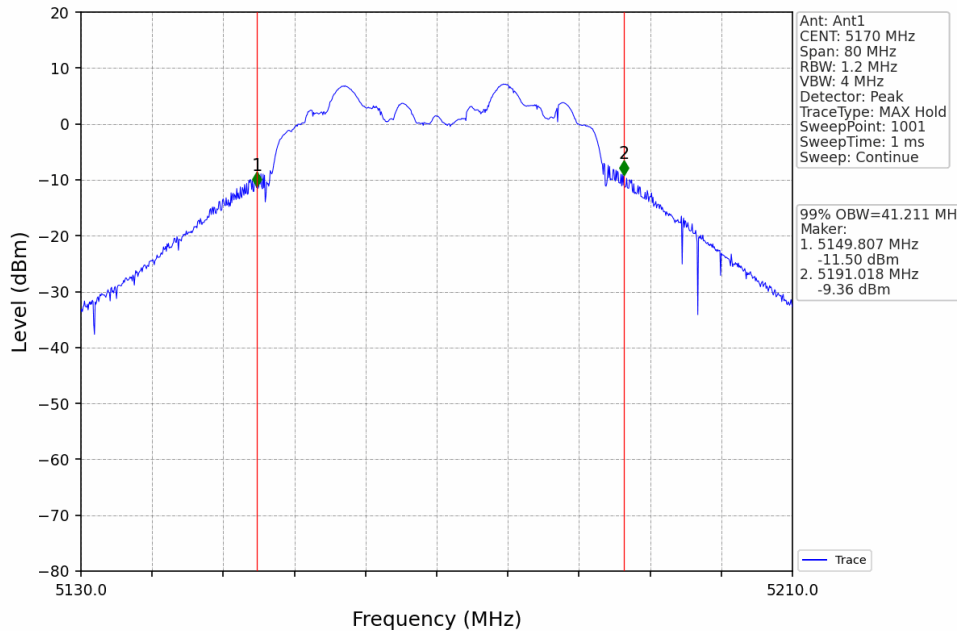
20M_MCH_5201MHz_Ant1_NTNV



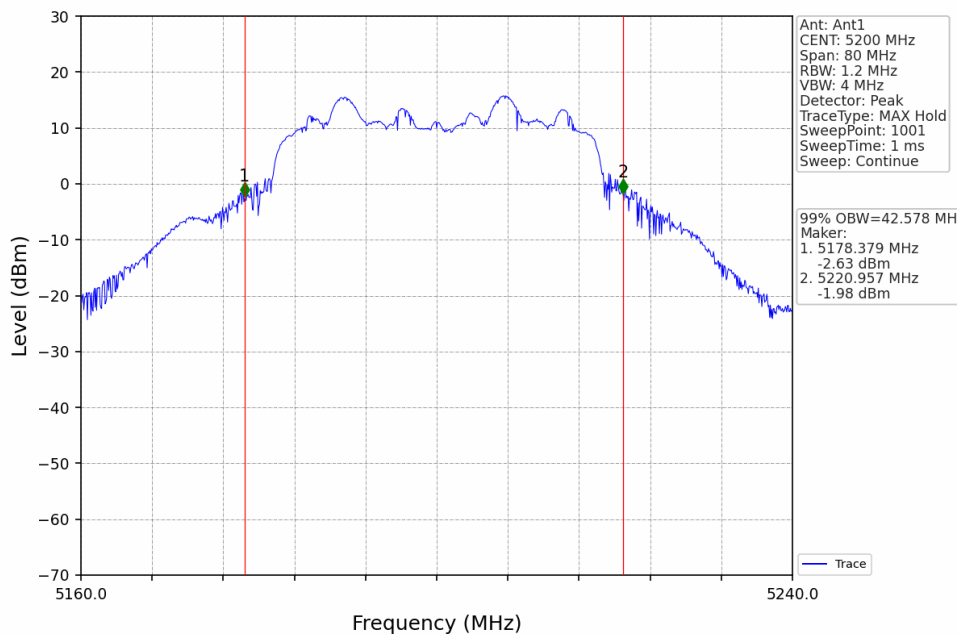
20M_HCH_5240MHz_Ant1_NTNV

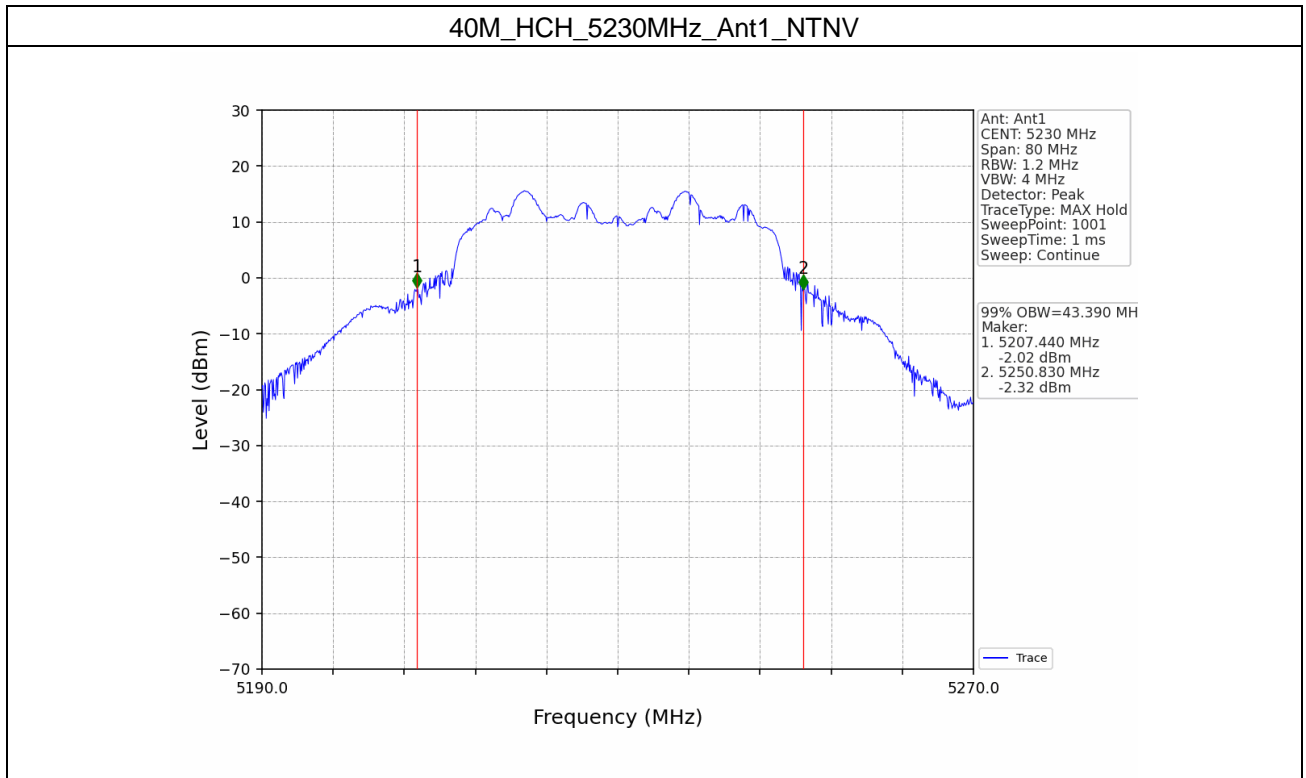


40M_LCH_5170MHz_Ant1_NTNV



40M_MCH_5200MHz_Ant1_NTNV





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

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230900303107

Page: 208 of 458

2.2 26dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)	Verdict
				Result	
10M	MIMO	5157	1	10.619	Pass
		5201	1	10.701	Pass
		5245	1	10.615	Pass
20M	MIMO	5161	1	19.291	Pass
		5201	1	19.806	Pass
		5240	1	25.176	Pass
40M	MIMO	5170	1	53.515	Pass
		5200	1	58.081	Pass
		5230	1	60.107	Pass



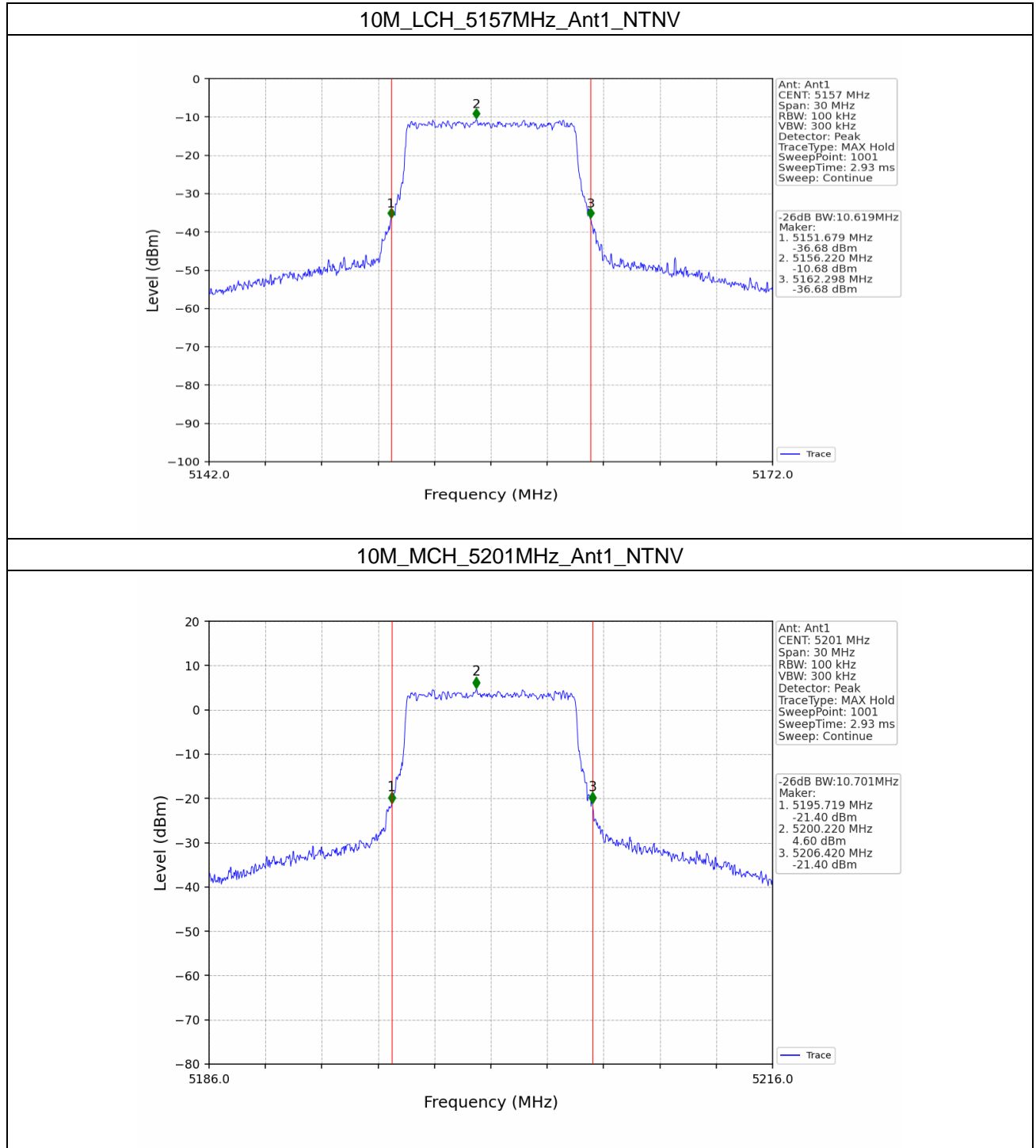
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Laboratory

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

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.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

2.2.2 Test Graph



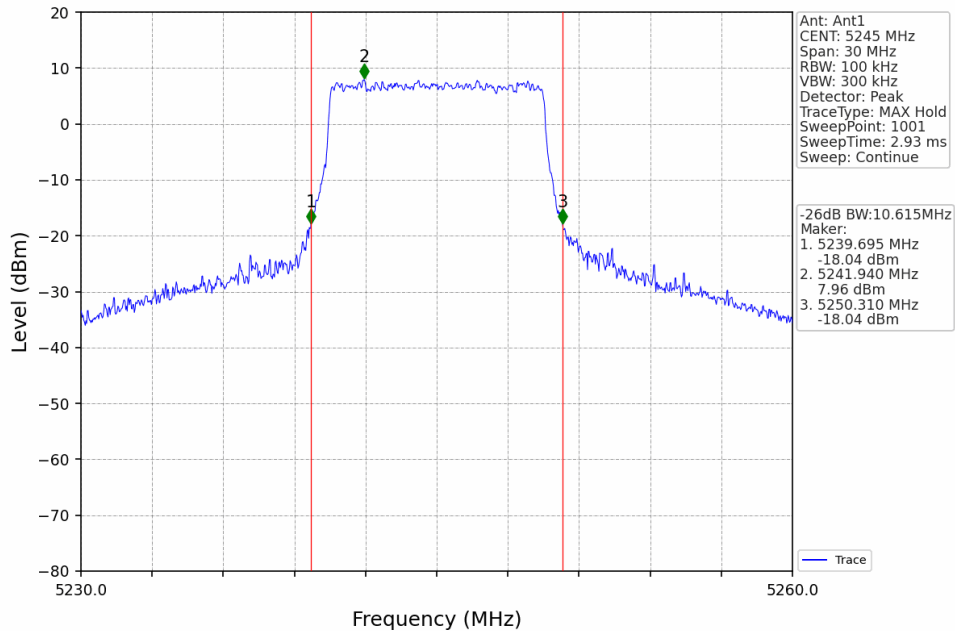
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

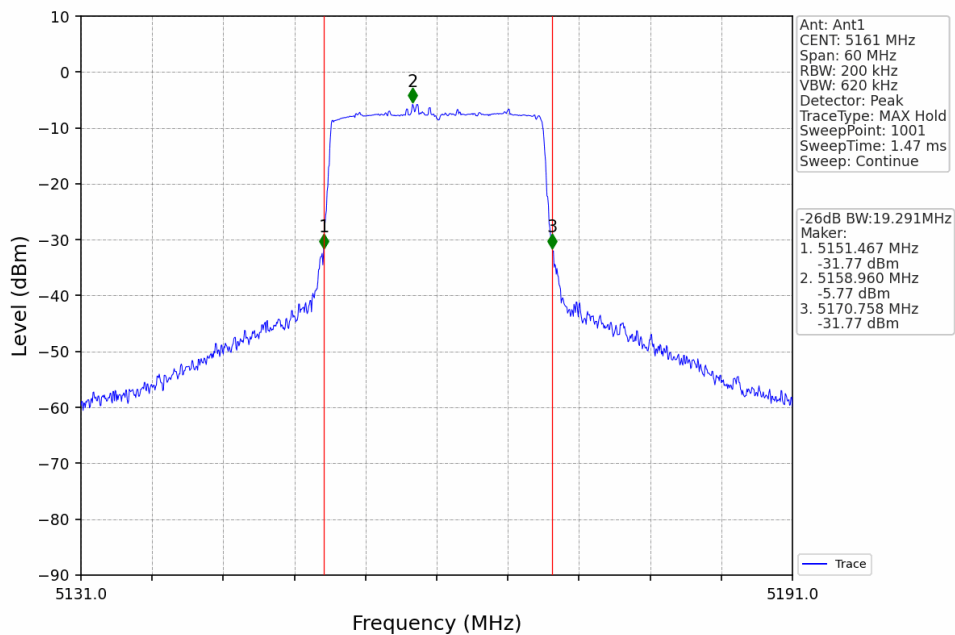
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Laboratory

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

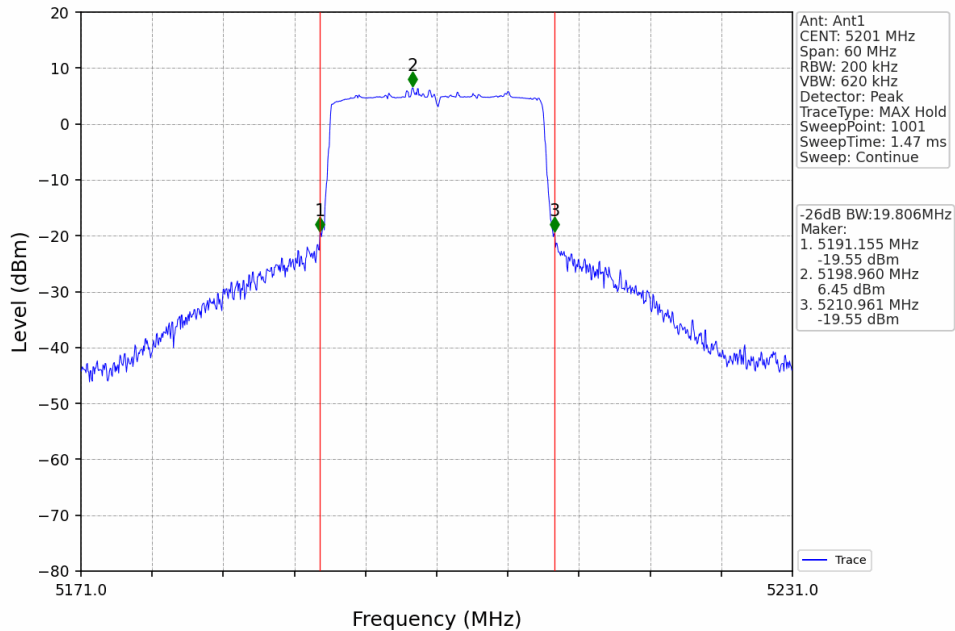
10M_HCH_5245MHz_Ant1_NTNV



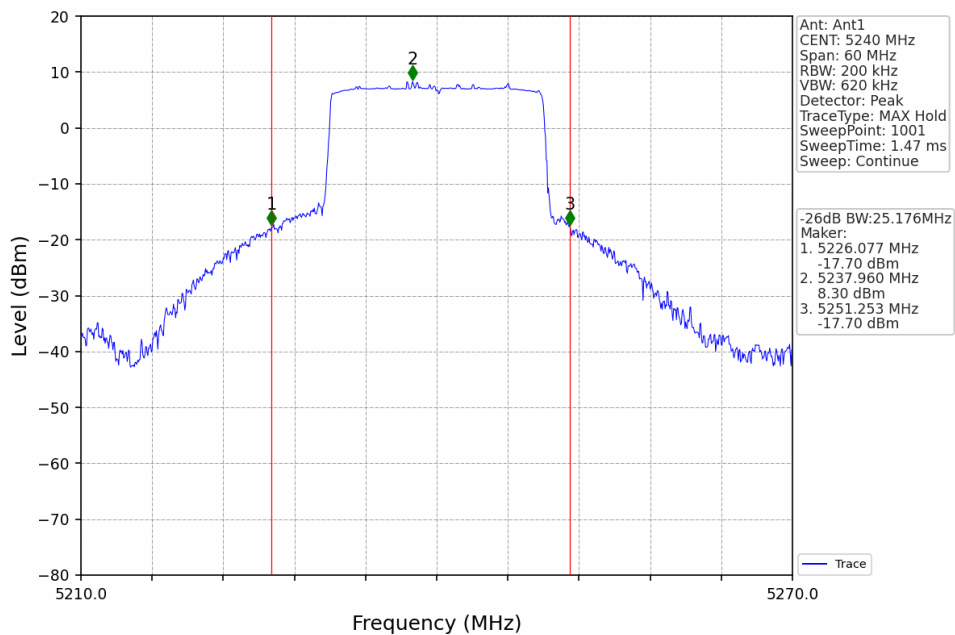
20M_LCH_5161MHz_Ant1_NTNV



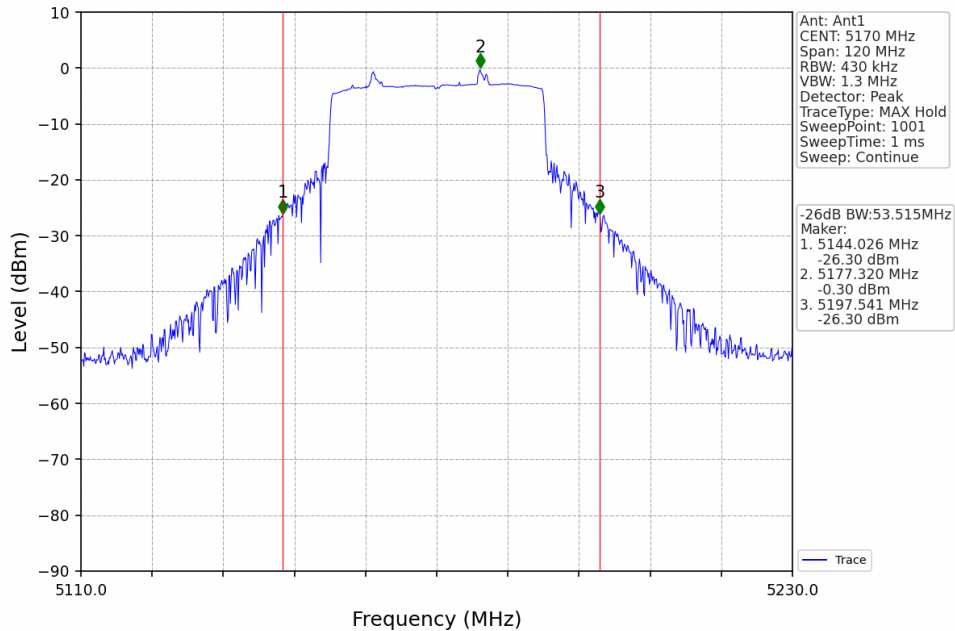
20M_MCH_5201MHz_Ant1_NTNV



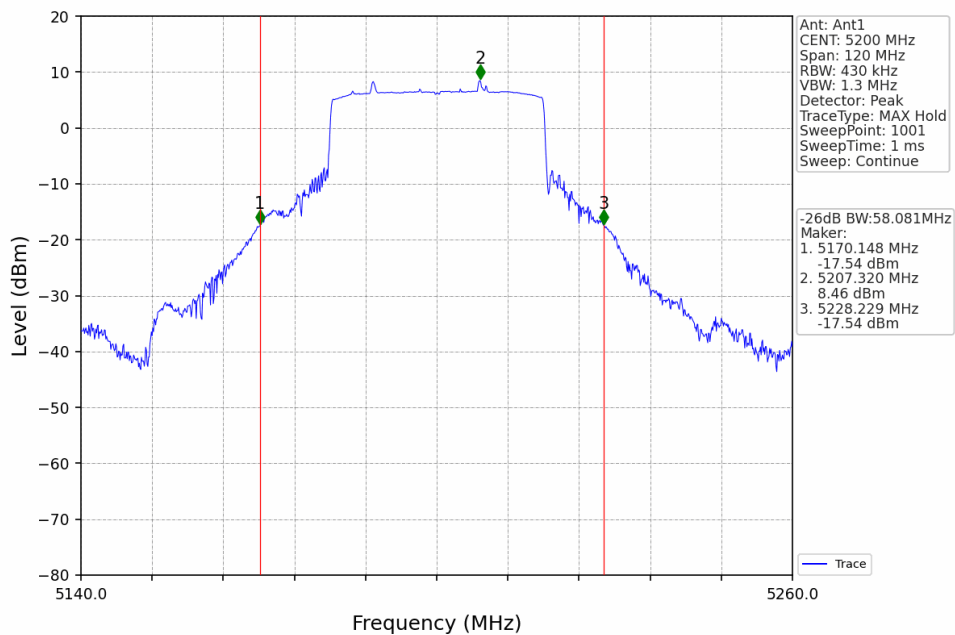
20M_HCH_5240MHz_Ant1_NTNV



40M_LCH_5170MHz_Ant1_NTNV



40M_MCH_5200MHz_Ant1_NTNV

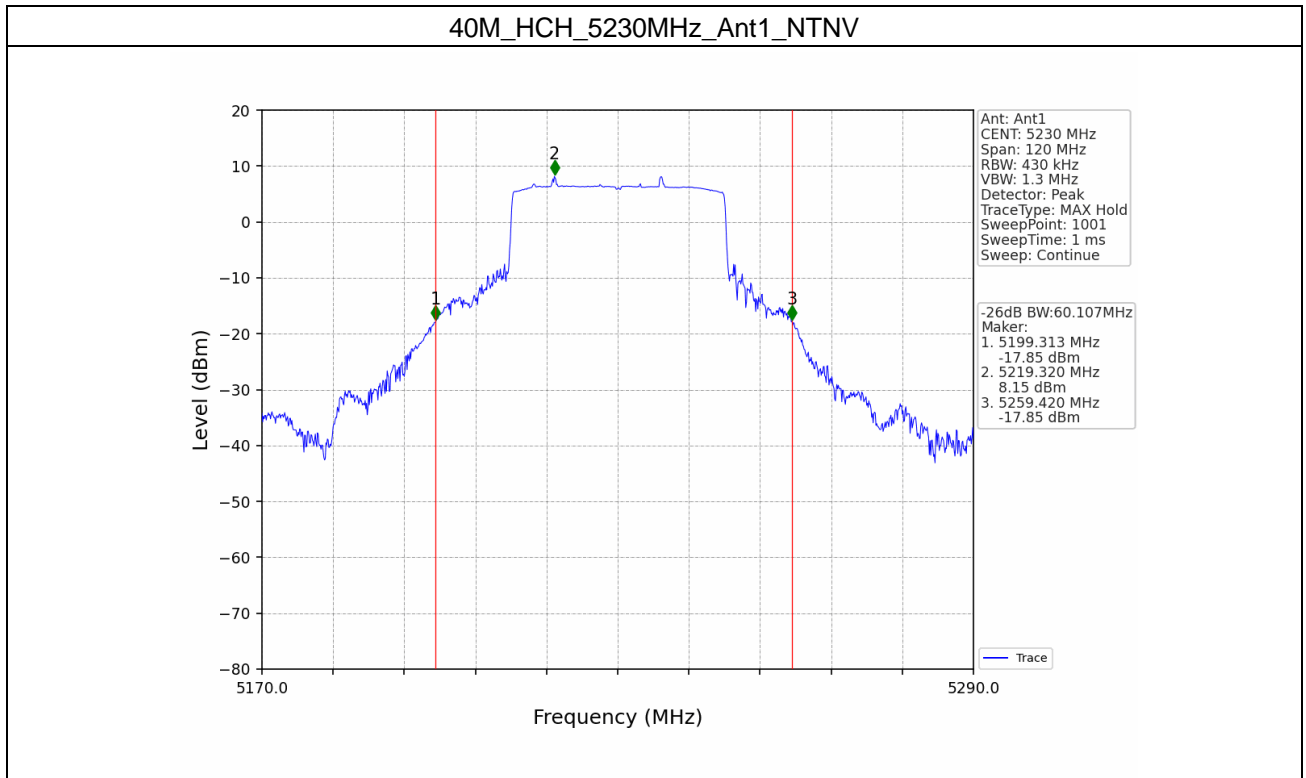


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing 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.sgs.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



3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
10M	MIMO	5157	4.07	4.24	7.17	≤ 23.97	Pass
		5201	14.89	13.84	17.41	≤ 23.97	Pass
		5245	15.33	12.02	16.99	≤ 23.97	Pass
20M	MIMO	5161	10.16	10.70	13.45	≤ 23.97	Pass
		5201	14.62	13.71	17.20	≤ 23.97	Pass
		5240	15.44	13.12	17.44	≤ 23.97	Pass
40M	MIMO	5170	5.26	5.81	8.55	≤ 23.97	Pass
		5200	14.79	14.73	17.77	≤ 23.97	Pass
		5230	14.82	14.90	17.87	≤ 23.97	Pass

Note1: Antenna Gain: Ant1: 3dBi, Ant2: 3dBi,

Note2: Directional gain= $G_{ANT}+10 \log(N_{ANT})$ dBi=3 dBi+3.01dBi=6.01dBi

4. Maximum Power Spectral Density

4.1 PSD

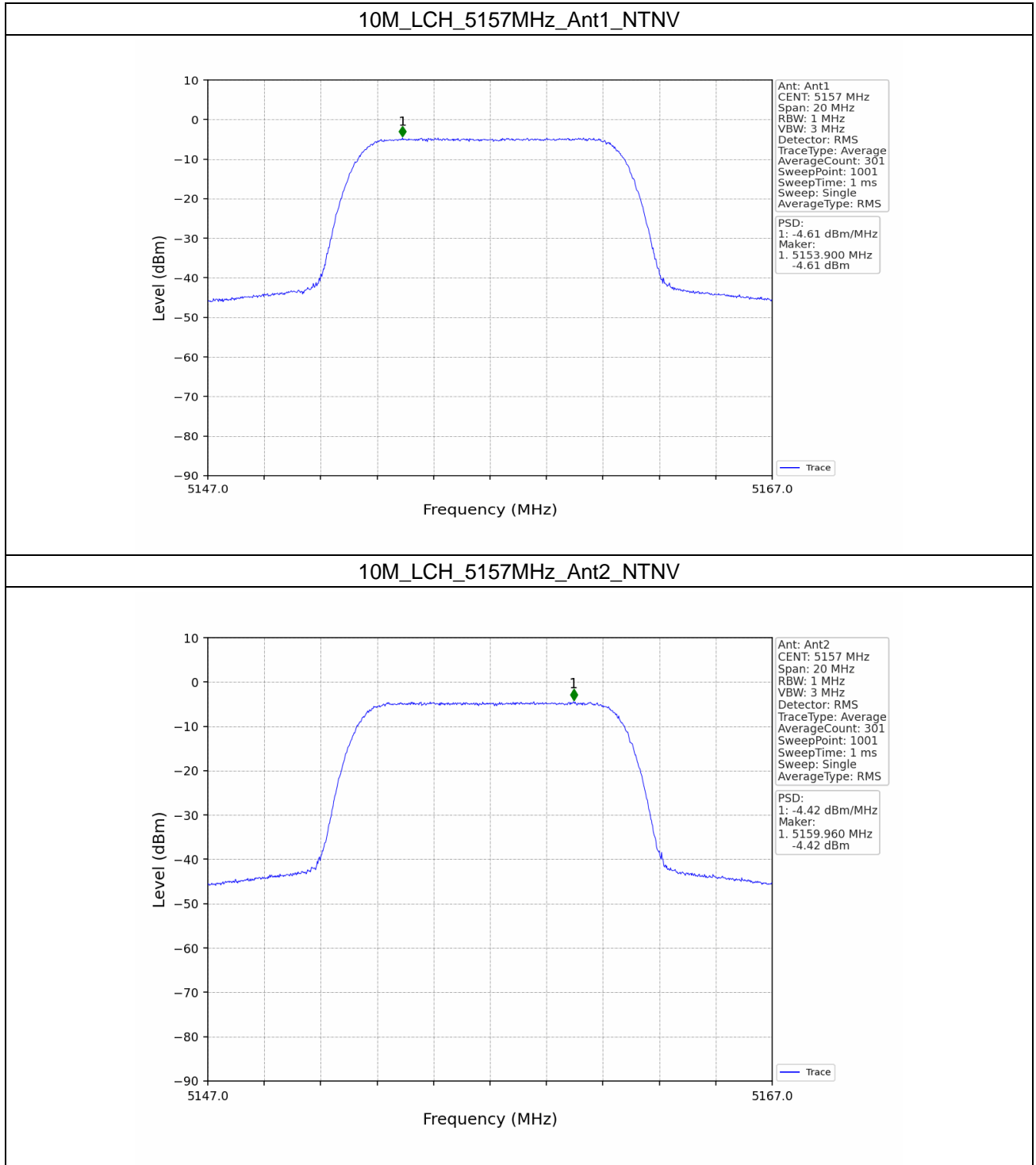
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
10M	MIMO	5157	-4.61	-4.42	-1.67	≤ 10.99	Pass
		5201	6.26	5.26	8.73	≤ 10.99	Pass
		5245	6.68	3.28	8.25	≤ 10.99	Pass
20M	MIMO	5161	-1.34	-0.88	1.75	≤ 10.99	Pass
		5201	3.12	2.17	5.60	≤ 10.99	Pass
		5240	3.71	1.54	5.66	≤ 10.99	Pass
40M	MIMO	5170	-9.08	-8.71	-6.08	≤ 10.99	Pass
		5200	0.32	0.40	3.14	≤ 10.99	Pass
		5230	0.26	0.57	3.13	≤ 10.99	Pass

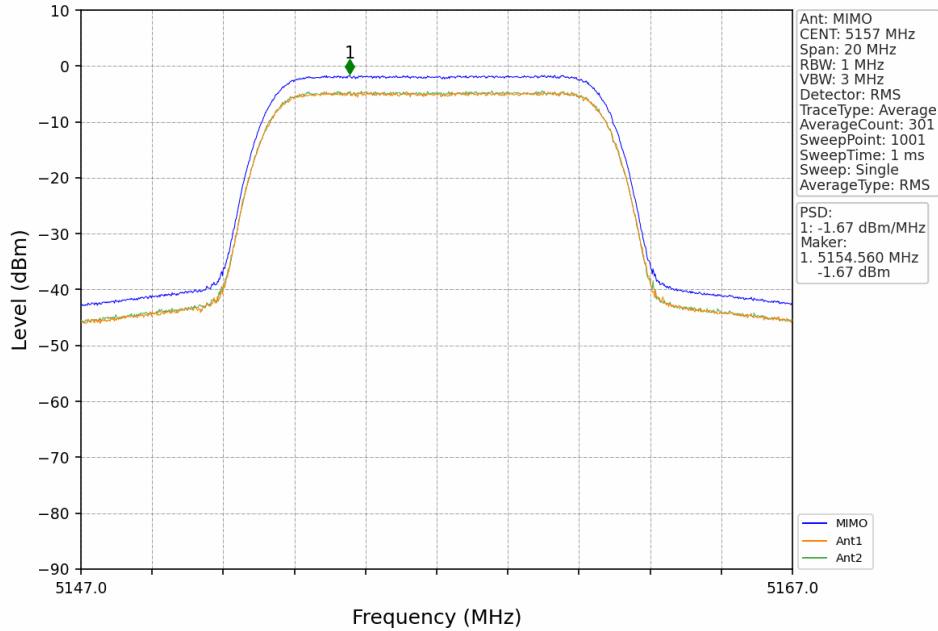
Note1: Antenna Gain: Ant1: 3dBi, Ant2: 3dBi,

Note2: Directional gain= $G_{ANT}+10 \log(N_{ANT})$ dBi=3 dBi+3.01dBi=6.01dBi

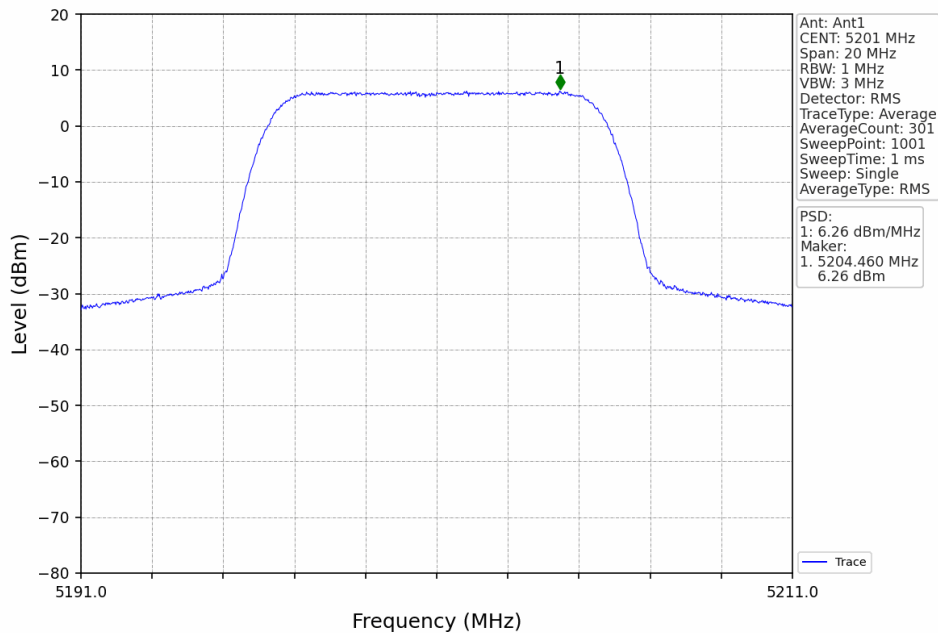
4.1.2 Test Graph



10M_LCH_5157MHz_MIMO_NTNV



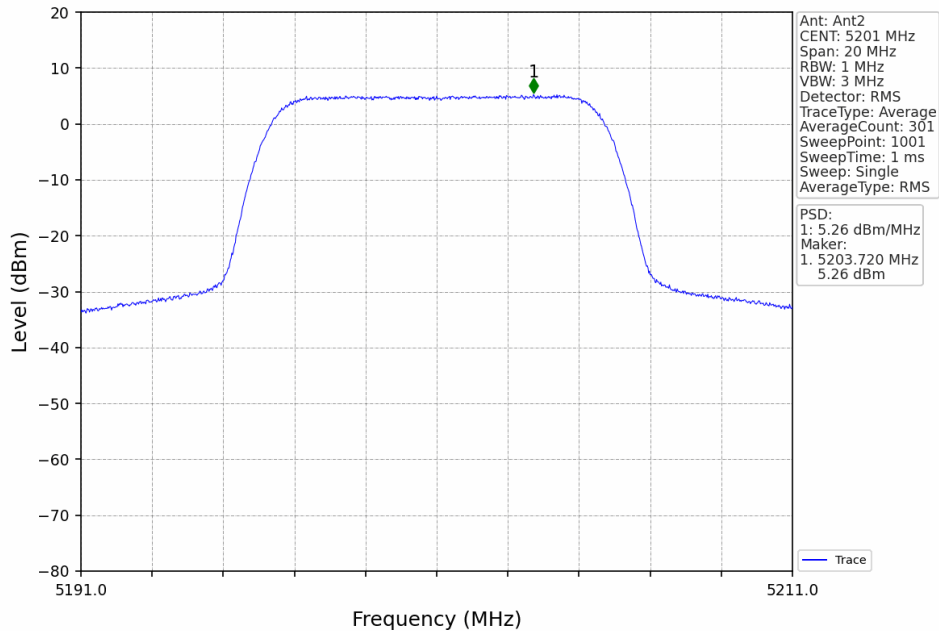
10M_MCH_5201MHz_Ant1_NTNV



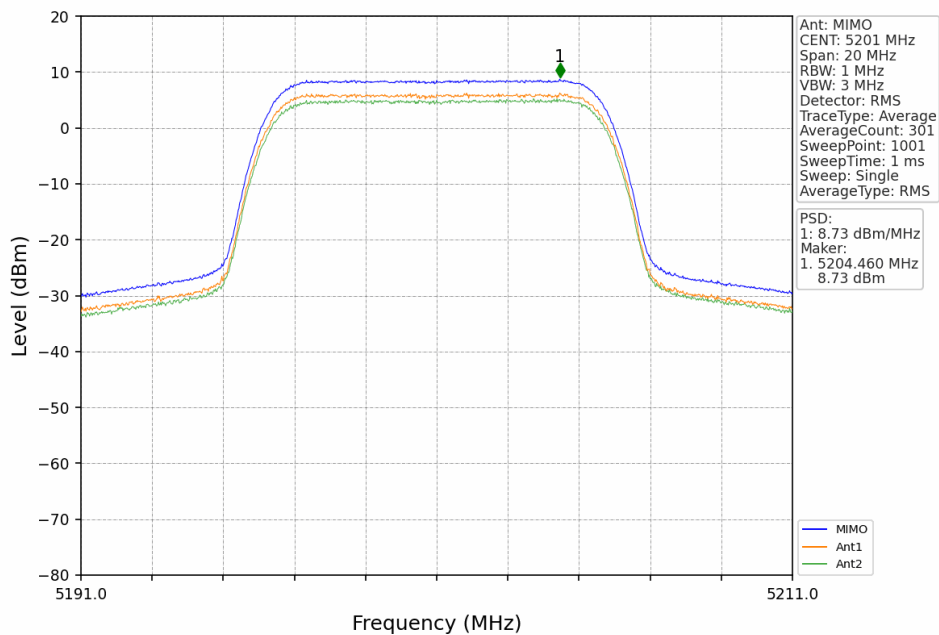
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

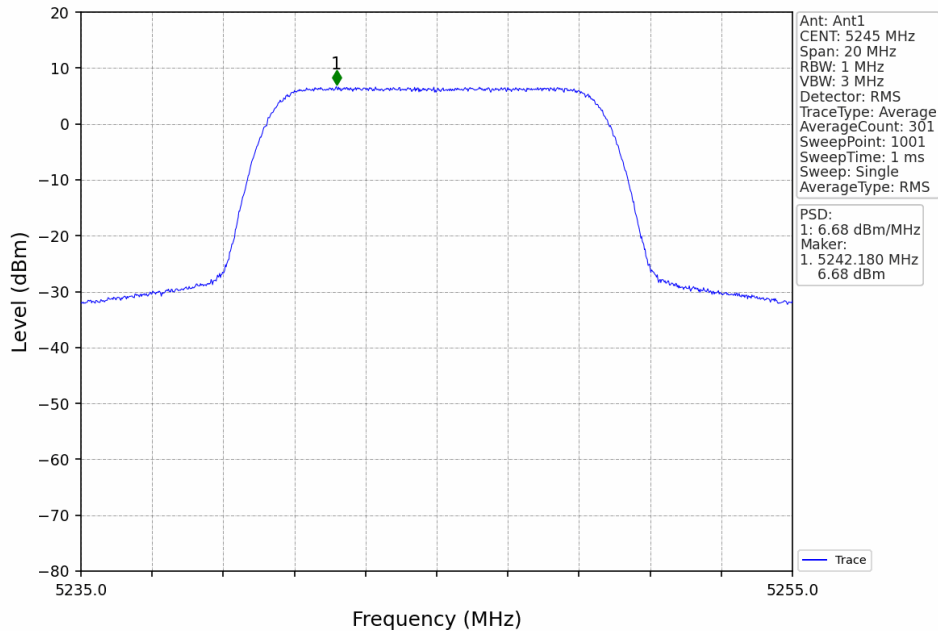
10M_MCH_5201MHz_Ant2_NTNV



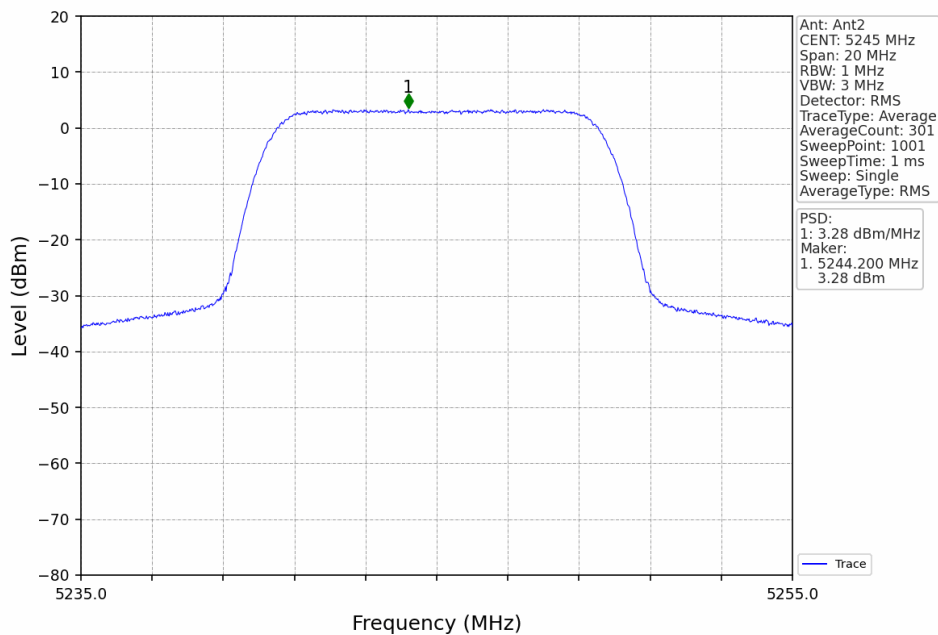
10M_MCH_5201MHz_MIMO_NTNV



10M_HCH_5245MHz_Ant1_NTNV



10M_HCH_5245MHz_Ant2_NTNV



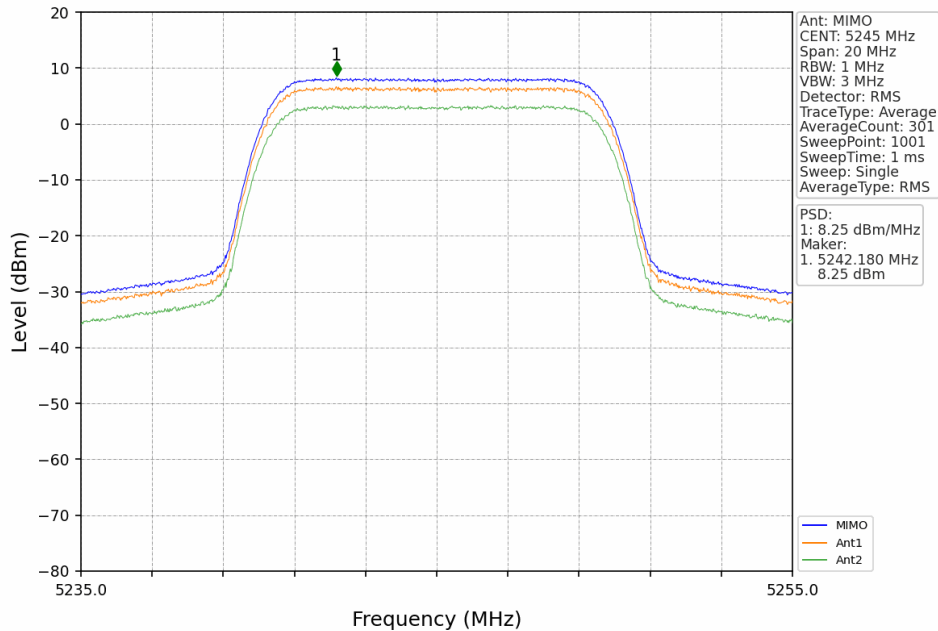
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

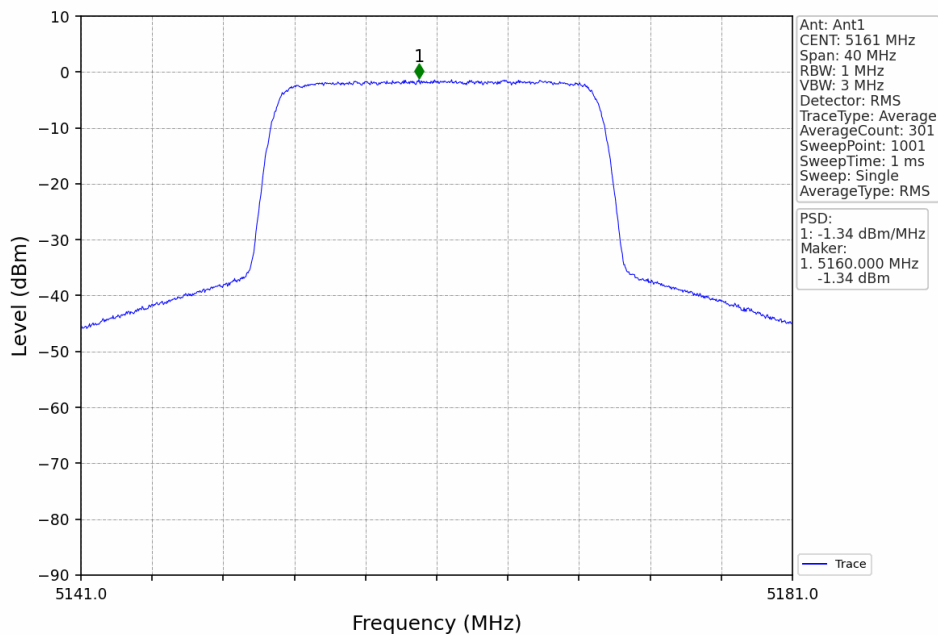
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Services Laboratory

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

10M_HCH_5245MHz_MIMO_NTNV



20M_LCH_5161MHz_Ant1_NTNV



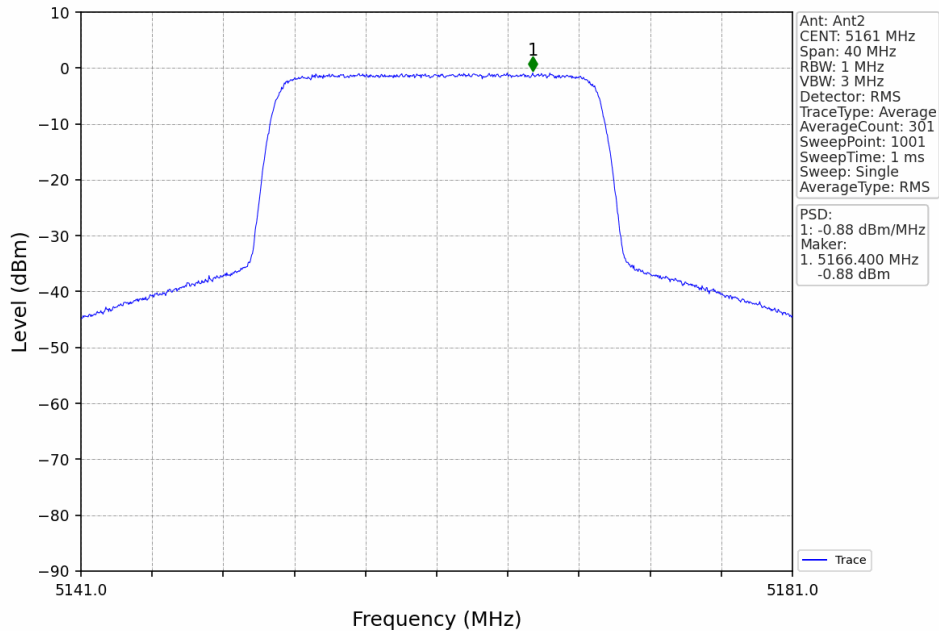
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

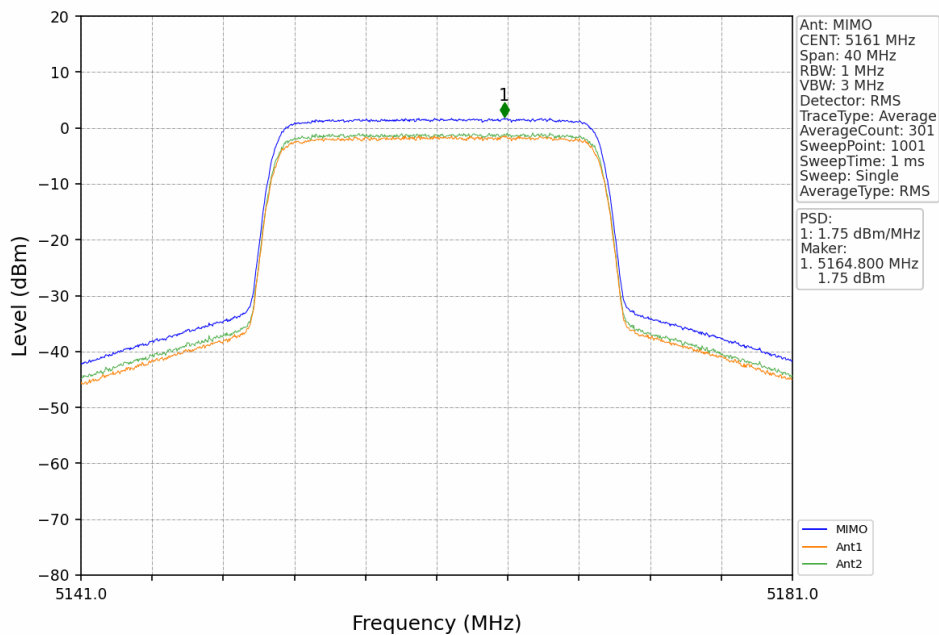
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (Shenzhen) EMC Laboratory

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.sgs.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

20M_LCH_5161MHz_Ant2_NTNV



20M_LCH_5161MHz_MIMO_NTNV



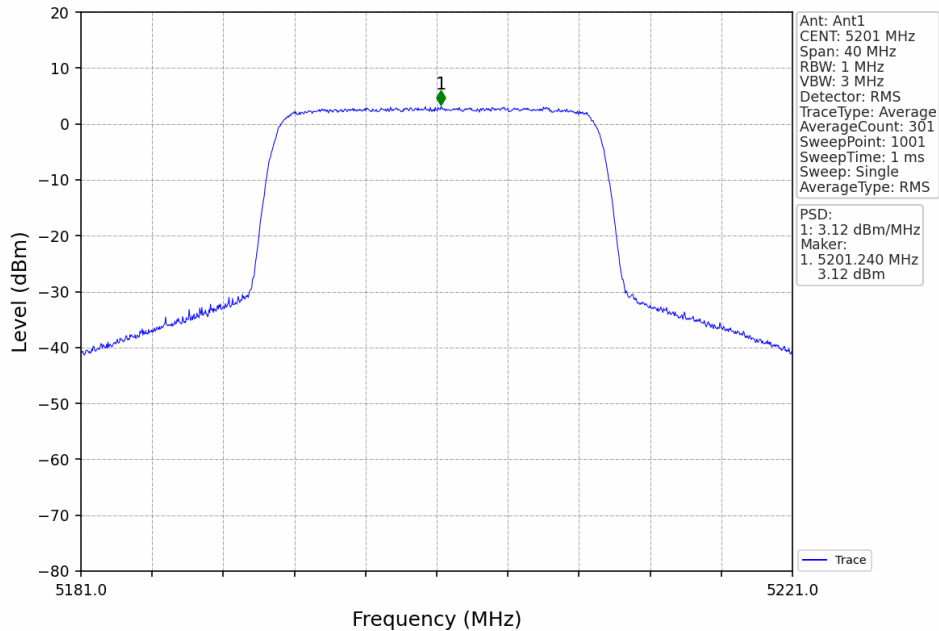
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

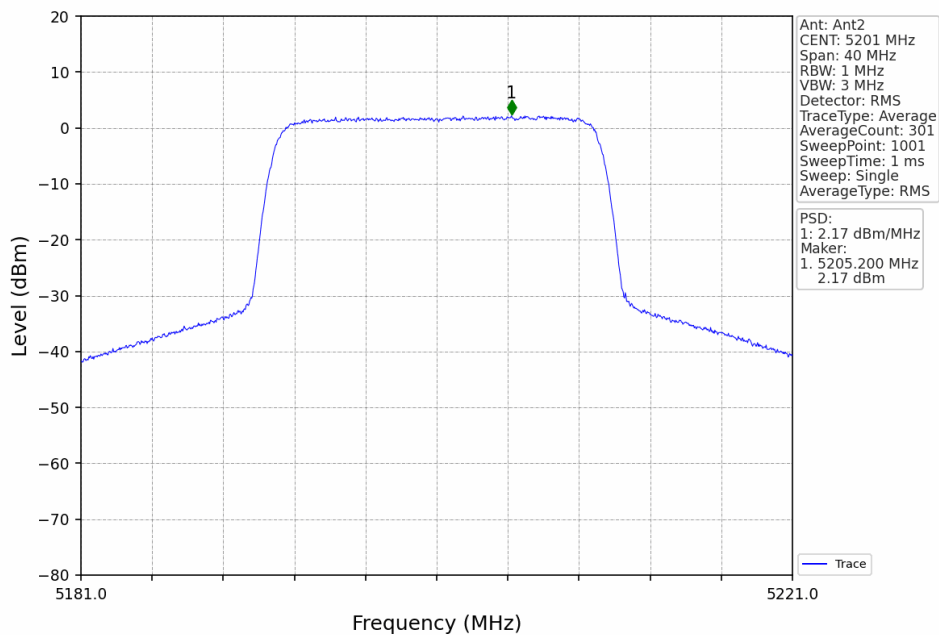
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing & Calibration Laboratory

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.sgs.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

20M_MCH_5201MHz_Ant1_NTNV



20M_MCH_5201MHz_Ant2_NTNV



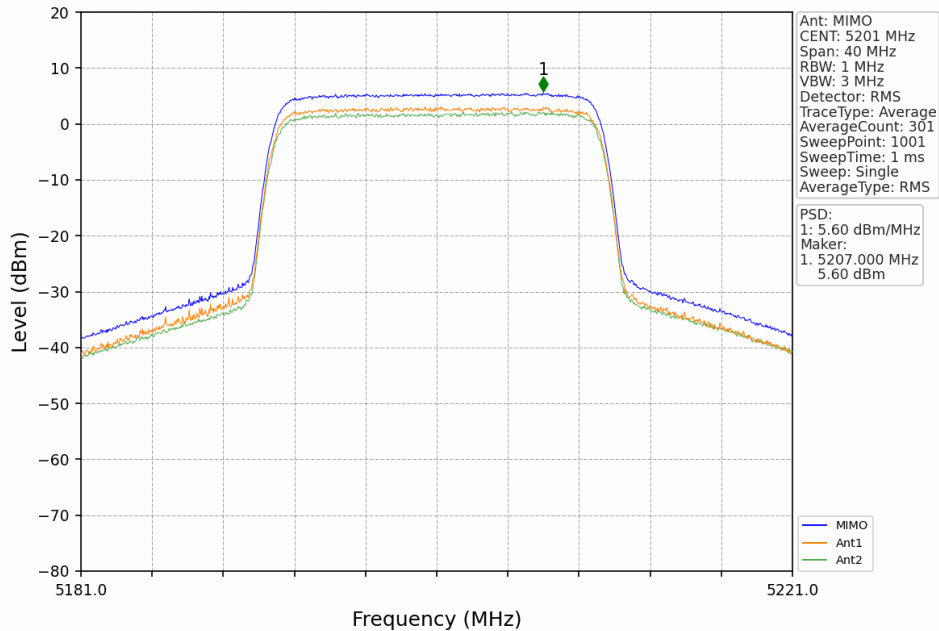
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

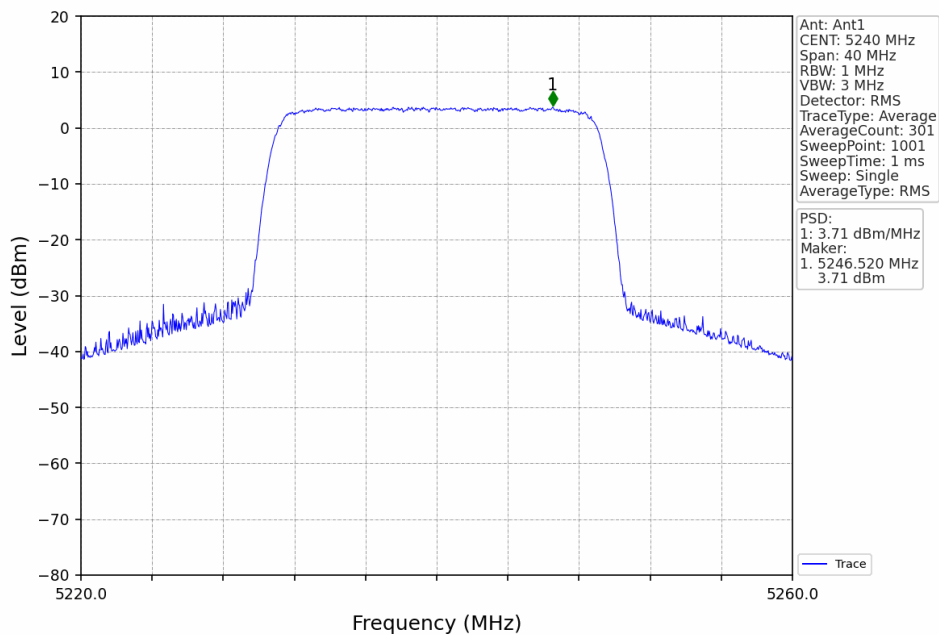
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Services Laboratory

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.sgs.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

20M_MCH_5201MHz_MIMO_NTNV



20M_HCH_5240MHz_Ant1_NTNV



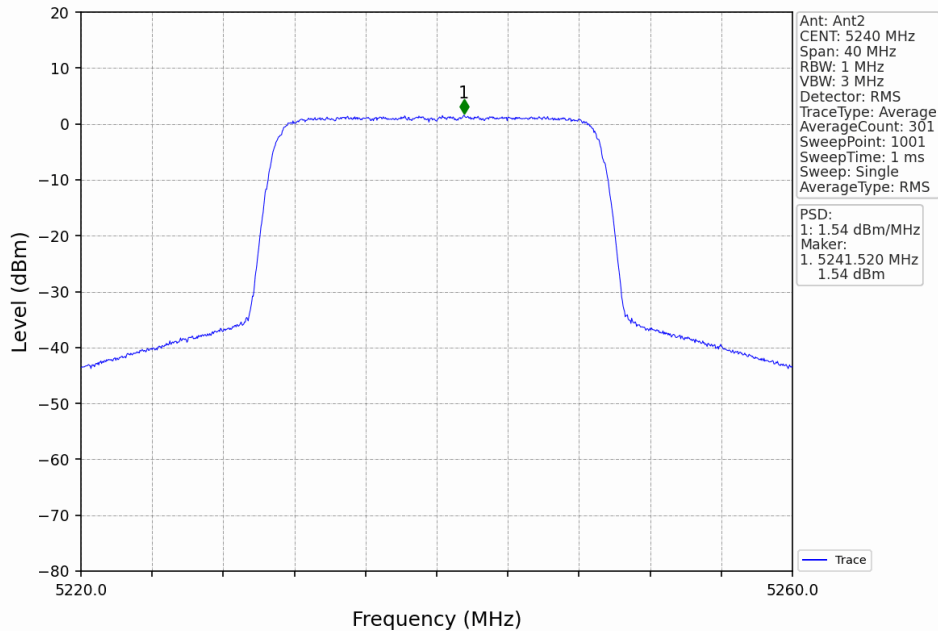
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

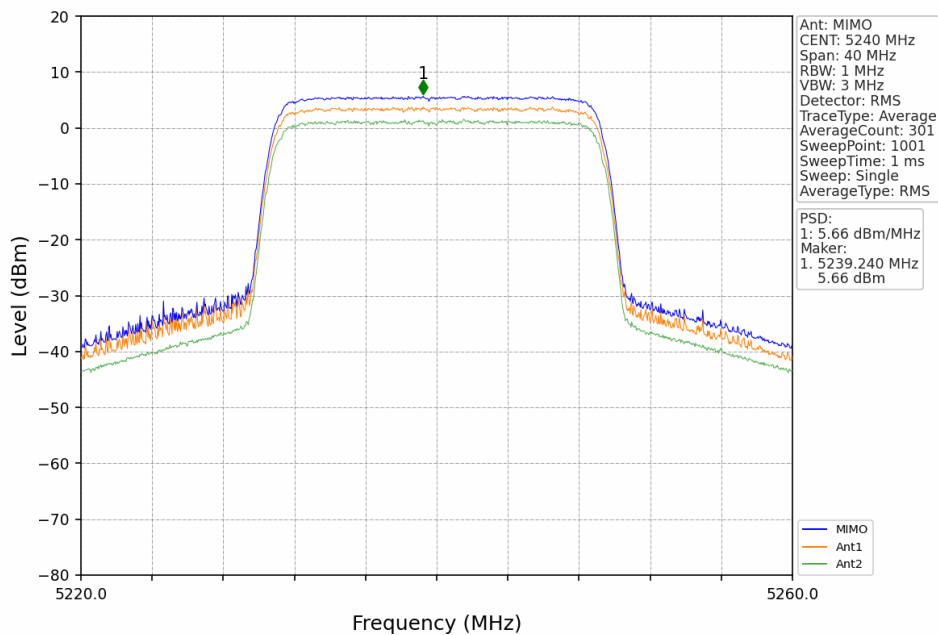
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing & Calibration Laboratory

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.sgs.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

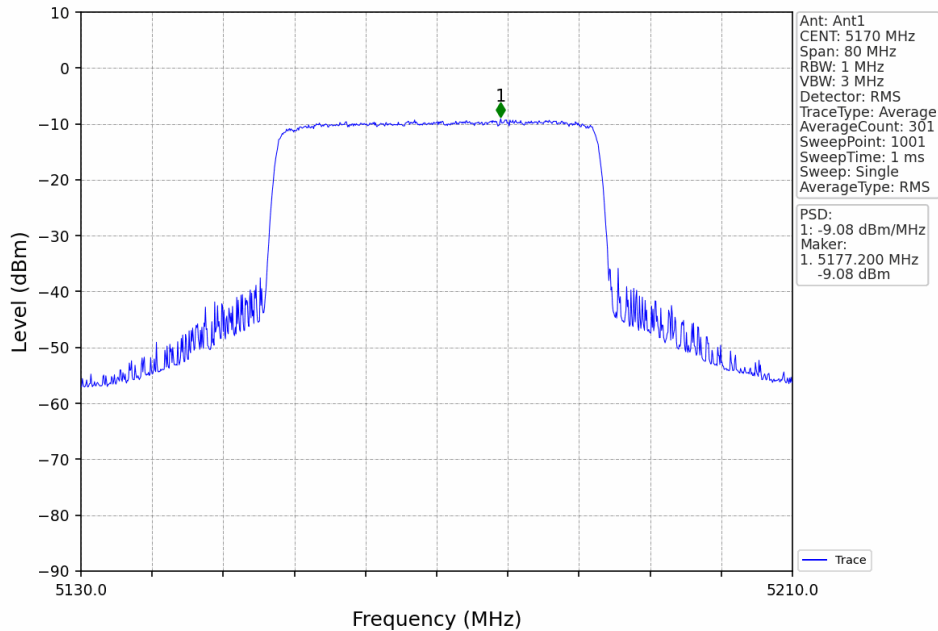
20M_HCH_5240MHz_Ant2_NTNV



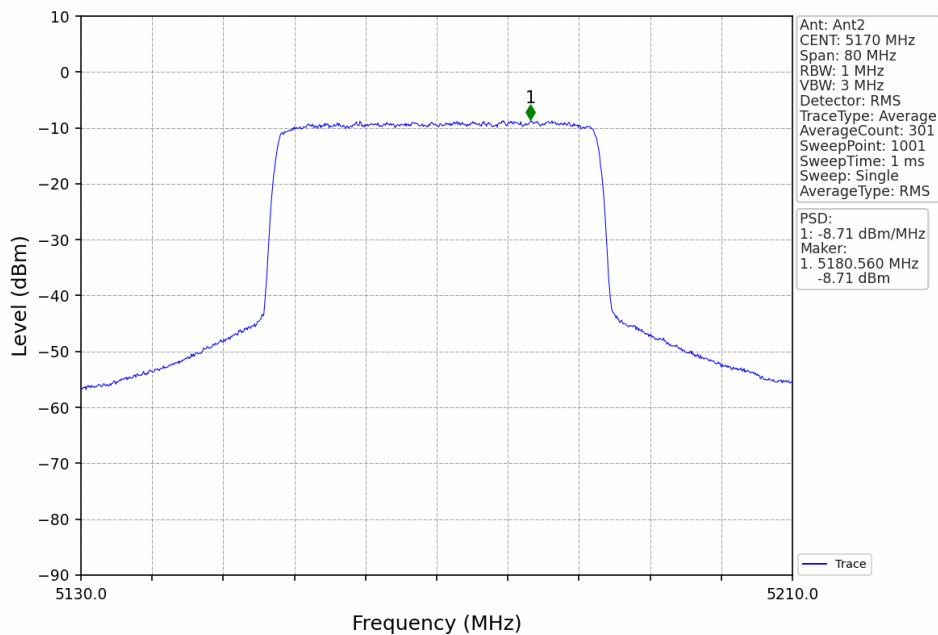
20M_HCH_5240MHz_MIMO_NTNV



40M_LCH_5170MHz_Ant1_NTNV



40M_LCH_5170MHz_Ant2_NTNV



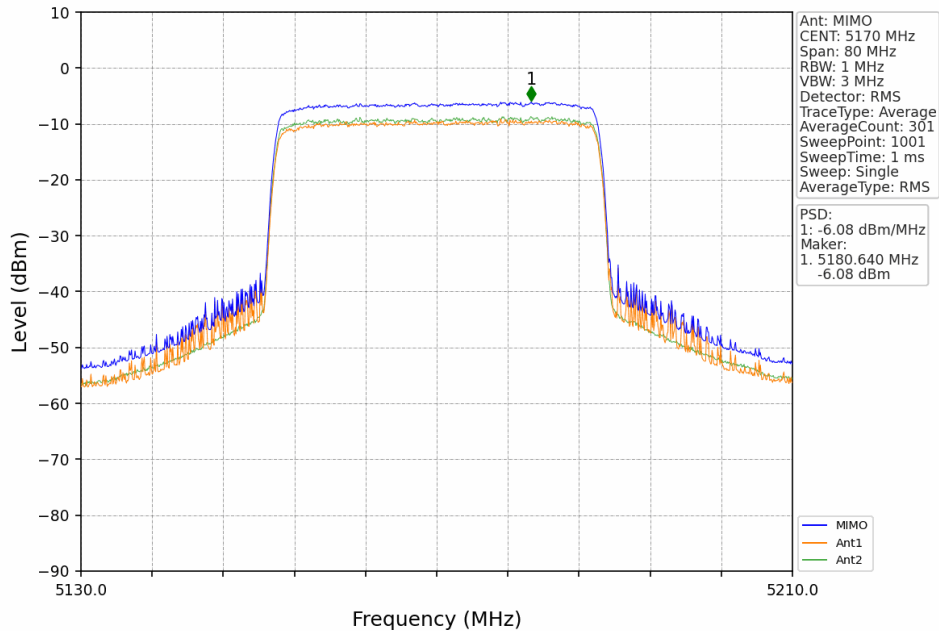
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

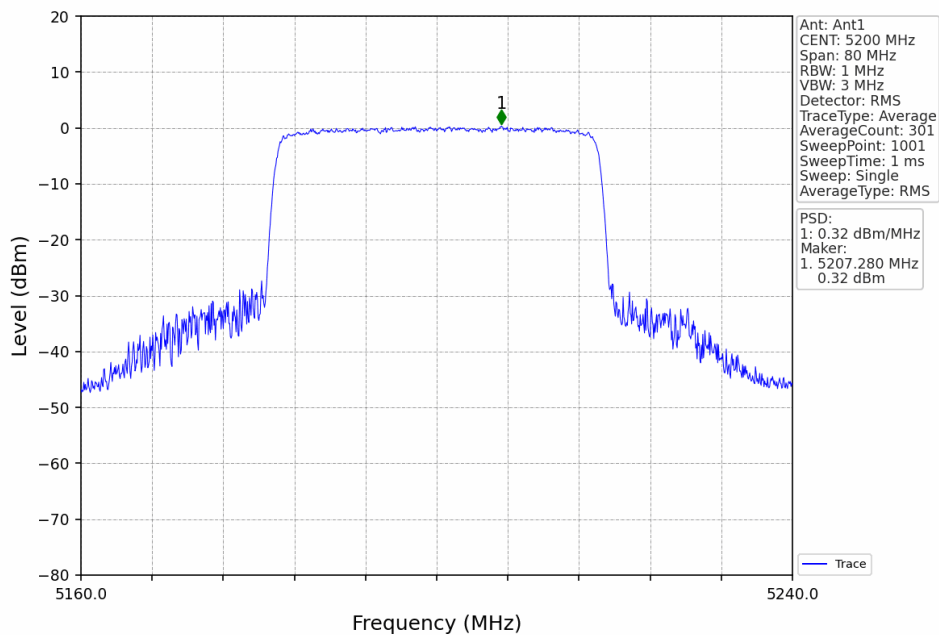
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Laboratory

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.sgs.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

40M_LCH_5170MHz_MIMO_NTNV



40M_MCH_5200MHz_Ant1_NTNV



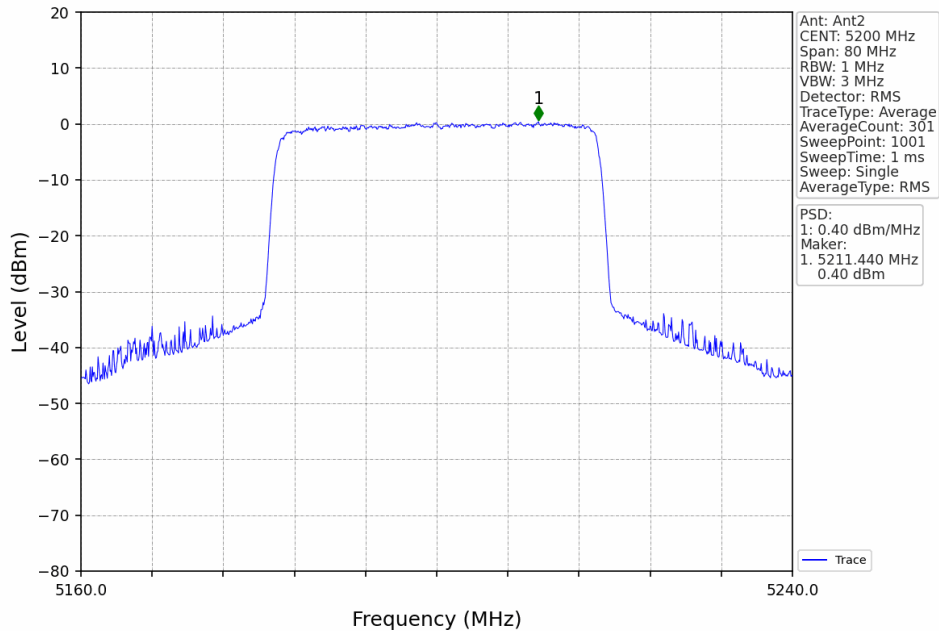
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

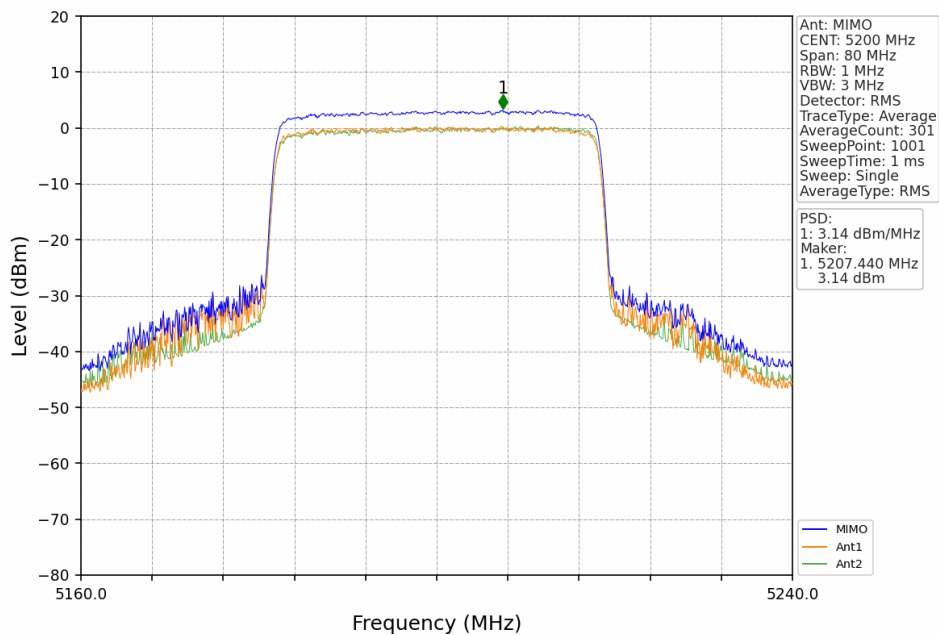
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (Shenzhen) EMC Laboratory

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.sgs.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

40M_MCH_5200MHz_Ant2_NTNV



40M_MCH_5200MHz_MIMO_NTNV



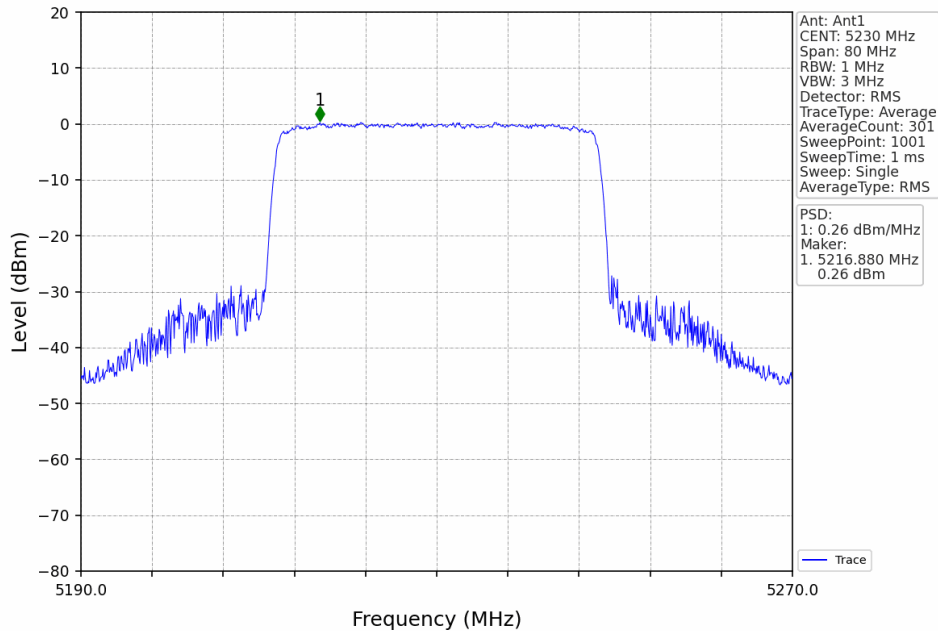
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

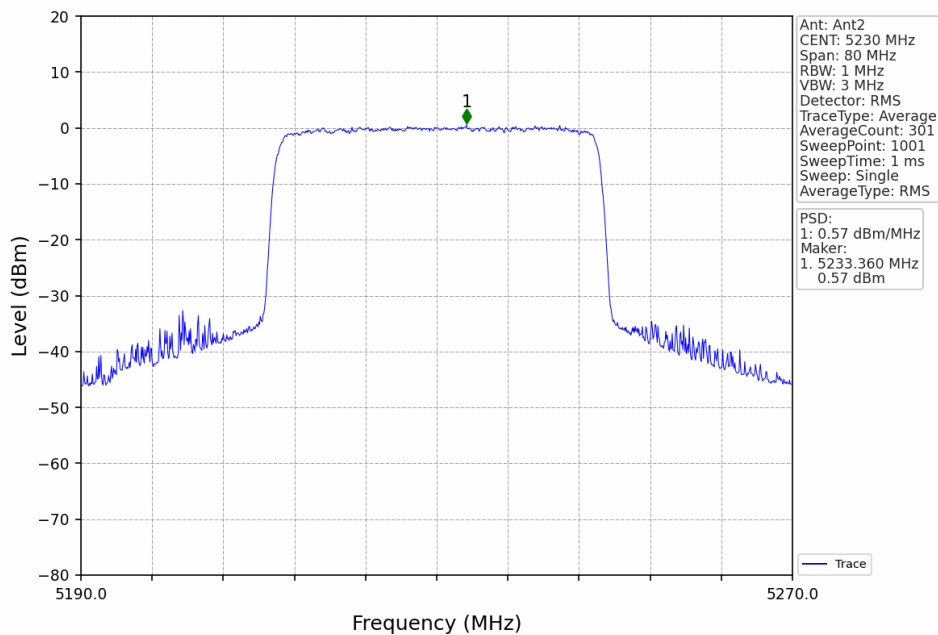
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Laboratory

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.sgs.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

40M_HCH_5230MHz_Ant1_NTNV



40M_HCH_5230MHz_Ant2_NTNV



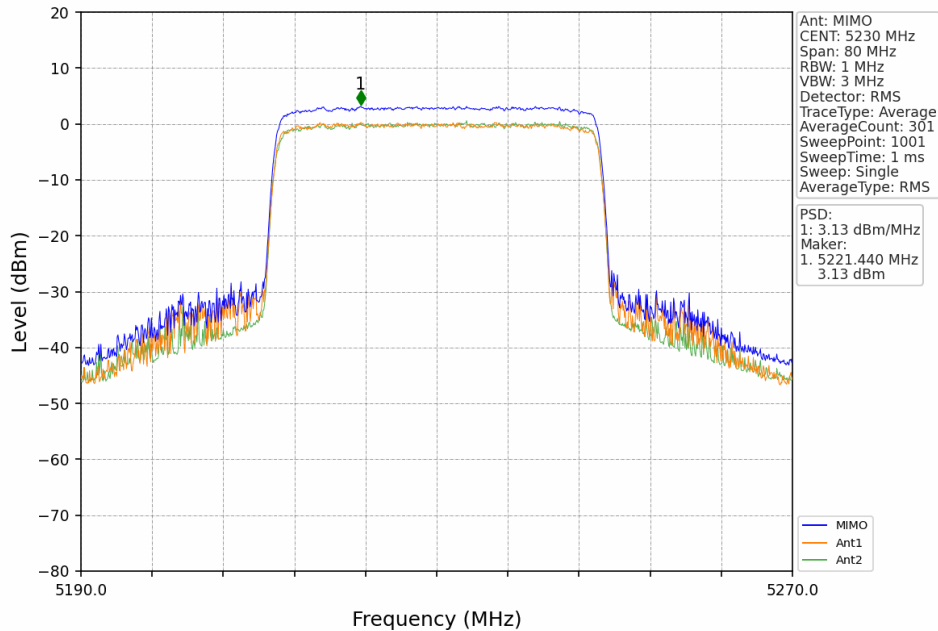
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing 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.sgs.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

40M_HCH_5230MHz_MIMO_NTNV



5. Frequency Stability

5.1 Ant1

5.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VDC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
10M	MIMO	5157	20	3.06	5157.040	5150 to 5250	Pass
				3.60	5157.020	5150 to 5250	Pass
				4.14	5156.970	5150 to 5250	Pass
			-10	3.60	5157.040	5150 to 5250	Pass
			-5	3.60	5157.060	5150 to 5250	Pass
			0	3.60	5157.050	5150 to 5250	Pass
			5	3.60	5157.020	5150 to 5250	Pass
			10	3.60	5156.980	5150 to 5250	Pass
			20	3.60	5157.000	5150 to 5250	Pass
			30	3.60	5157.050	5150 to 5250	Pass
			40	3.60	5157.020	5150 to 5250	Pass
		5201	20	3.06	5201.060	5150 to 5250	Pass
				3.60	5201.010	5150 to 5250	Pass
				4.14	5201.030	5150 to 5250	Pass
			-10	3.60	5200.990	5150 to 5250	Pass
			-5	3.60	5201.040	5150 to 5250	Pass
			0	3.60	5201.050	5150 to 5250	Pass
			5	3.60	5200.970	5150 to 5250	Pass
			10	3.60	5201.030	5150 to 5250	Pass
			20	3.60	5201.040	5150 to 5250	Pass
			30	3.60	5201.020	5150 to 5250	Pass
			40	3.60	5201.020	5150 to 5250	Pass
		5245	20	3.06	5245.010	5150 to 5250	Pass
				3.60	5245.010	5150 to 5250	Pass
				4.14	5245.020	5150 to 5250	Pass
			-10	3.60	5245.010	5150 to 5250	Pass
			-5	3.60	5245.030	5150 to 5250	Pass
			0	3.60	5245.050	5150 to 5250	Pass
			5	3.60	5245.010	5150 to 5250	Pass
			10	3.60	5245.060	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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing 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.sgs.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

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230900303107

Page: 230 of 458

			20	3.60	5244.990	5150 to 5250	Pass
			30	3.60	5245.030	5150 to 5250	Pass
			40	3.60	5244.990	5150 to 5250	Pass
20M	MIMO	5161	20	3.06	5161.040	5150 to 5250	Pass
				3.60	5161.060	5150 to 5250	Pass
				4.14	5161.060	5150 to 5250	Pass
			-10	3.60	5161.020	5150 to 5250	Pass
				3.60	5161.040	5150 to 5250	Pass
				3.60	5161.060	5150 to 5250	Pass
			5	3.60	5161.060	5150 to 5250	Pass
				3.60	5161.020	5150 to 5250	Pass
				3.60	5161.020	5150 to 5250	Pass
			10	3.60	5161.020	5150 to 5250	Pass
				3.60	5161.040	5150 to 5250	Pass
				3.60	5161.040	5150 to 5250	Pass
		5201	20	3.06	5201.040	5150 to 5250	Pass
				3.60	5201.040	5150 to 5250	Pass
				4.14	5201.040	5150 to 5250	Pass
			-10	3.60	5201.040	5150 to 5250	Pass
				3.60	5201.040	5150 to 5250	Pass
				3.60	5201.040	5150 to 5250	Pass
			5	3.60	5201.040	5150 to 5250	Pass
				3.60	5201.040	5150 to 5250	Pass
				3.60	5201.040	5150 to 5250	Pass
			10	3.60	5201.040	5150 to 5250	Pass
				3.60	5201.060	5150 to 5250	Pass
				3.60	5201.040	5150 to 5250	Pass
		5240	20	3.06	5240.040	5150 to 5250	Pass
				3.60	5240.040	5150 to 5250	Pass
				4.14	5240.040	5150 to 5250	Pass
			-10	3.60	5240.040	5150 to 5250	Pass
				3.60	5240.040	5150 to 5250	Pass
				3.60	5240.020	5150 to 5250	Pass
			5	3.60	5240.040	5150 to 5250	Pass
				3.60	5240.020	5150 to 5250	Pass
				3.60	5240.040	5150 to 5250	Pass
			10	3.60	5240.020	5150 to 5250	Pass
				3.60	5240.060	5150 to 5250	Pass
				3.60	5240.040	5150 to 5250	Pass
40M	MIMO	5170	20	3.06	5170.080	5150 to 5250	Pass
				3.60	5170.080	5150 to 5250	Pass
				4.14	5170.080	5150 to 5250	Pass
			-10	3.60	5170.080	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

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

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230900303107

Page: 231 of 458

			-5	3.60	5170.120	5150 to 5250	Pass
			0	3.60	5170.080	5150 to 5250	Pass
			5	3.60	5170.080	5150 to 5250	Pass
			10	3.60	5170.080	5150 to 5250	Pass
			20	3.60	5170.080	5150 to 5250	Pass
			30	3.60	5170.080	5150 to 5250	Pass
			40	3.60	5170.080	5150 to 5250	Pass
		5200	20	3.06	5200.080	5150 to 5250	Pass
				3.60	5200.080	5150 to 5250	Pass
				4.14	5200.120	5150 to 5250	Pass
			-10	3.60	5200.080	5150 to 5250	Pass
			-5	3.60	5200.080	5150 to 5250	Pass
			0	3.60	5200.080	5150 to 5250	Pass
			5	3.60	5200.080	5150 to 5250	Pass
			10	3.60	5200.080	5150 to 5250	Pass
			20	3.60	5200.120	5150 to 5250	Pass
			30	3.60	5200.080	5150 to 5250	Pass
			40	3.60	5200.120	5150 to 5250	Pass
		5230	20	3.06	5230.080	5150 to 5250	Pass
				3.60	5230.040	5150 to 5250	Pass
				4.14	5230.080	5150 to 5250	Pass
			-10	3.60	5230.080	5150 to 5250	Pass
			-5	3.60	5230.080	5150 to 5250	Pass
			0	3.60	5230.040	5150 to 5250	Pass
			5	3.60	5230.080	5150 to 5250	Pass
			10	3.60	5230.080	5150 to 5250	Pass
			20	3.60	5230.040	5150 to 5250	Pass
			30	3.60	5230.080	5150 to 5250	Pass
			40	3.60	5230.080	5150 to 5250	Pass



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

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.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

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230900303107

Page: 232 of 458

5.1G SDR Partial SISO Mode

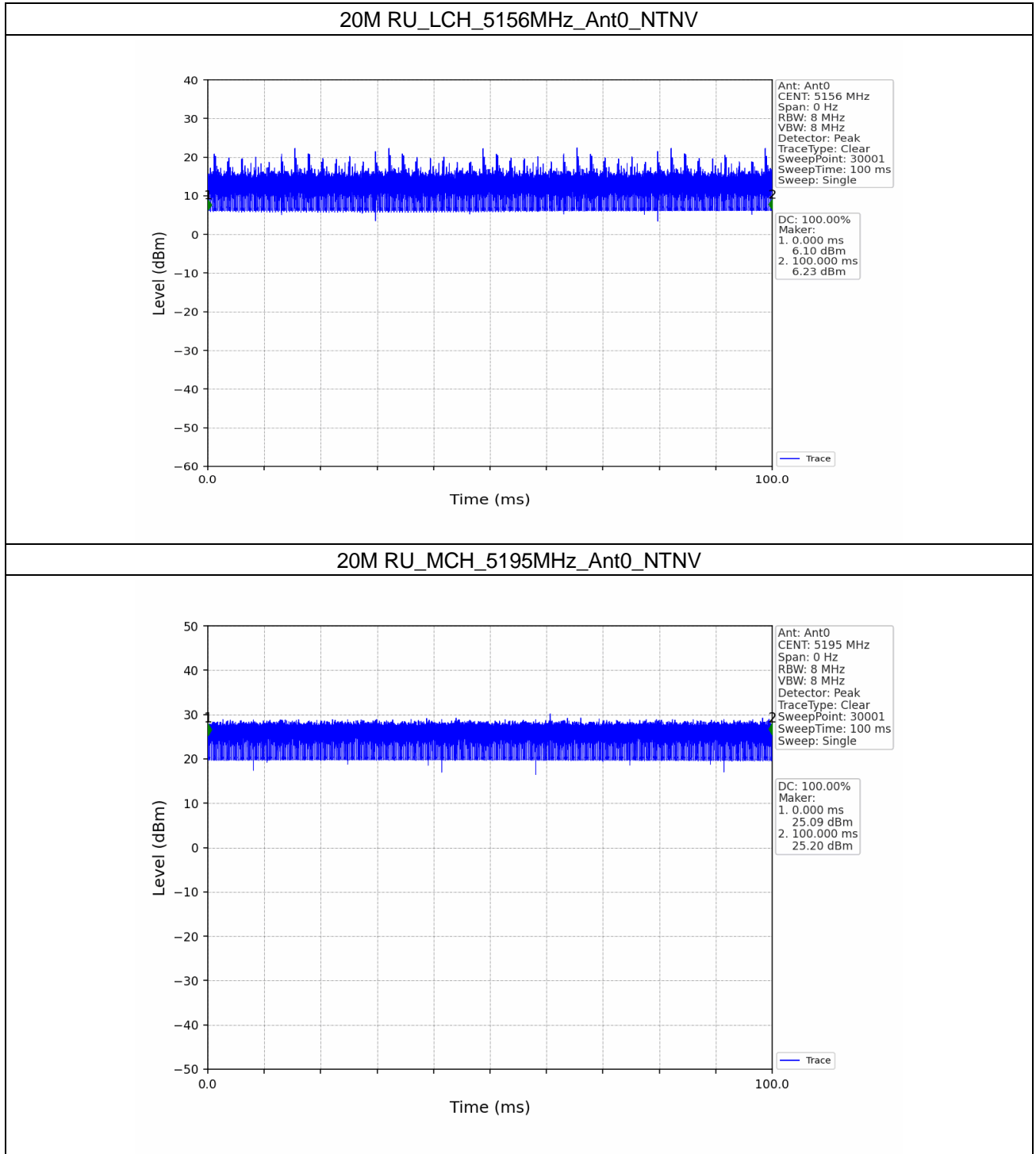
1. Duty Cycle

1.1 Ant0

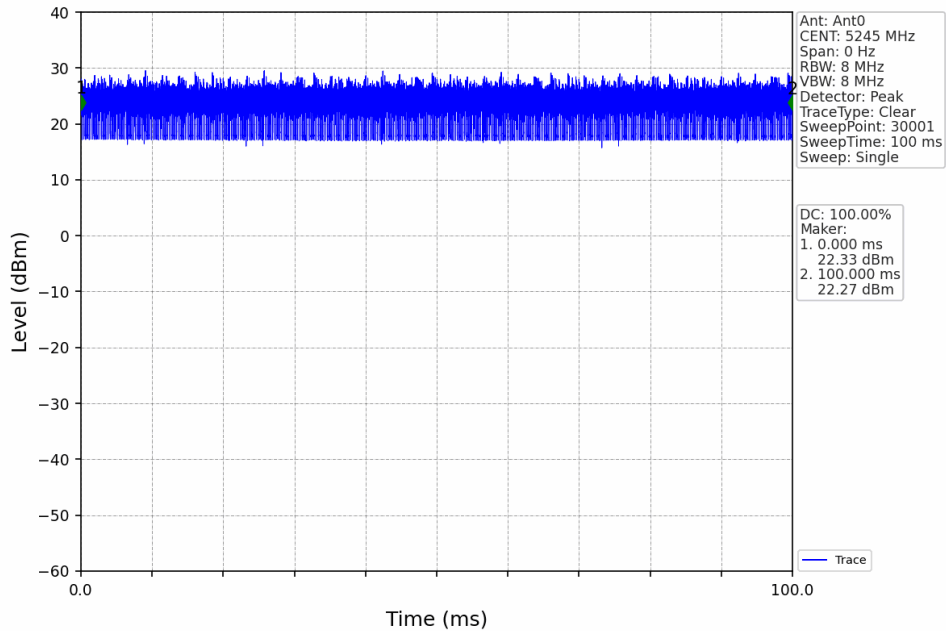
1.1.1 Test Result

Ant0							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
20M RU	SISO	5156	100.000	100.000	100.00	0.00	0.00
		5195	100.000	100.000	100.00	0.00	0.00
		5245	100.000	100.000	100.00	0.00	0.00
40M RU	SISO	5160	100.000	100.000	100.00	0.00	0.00
		5190	100.000	100.000	100.00	0.00	0.00
		5240	100.000	100.000	100.00	0.00	0.00

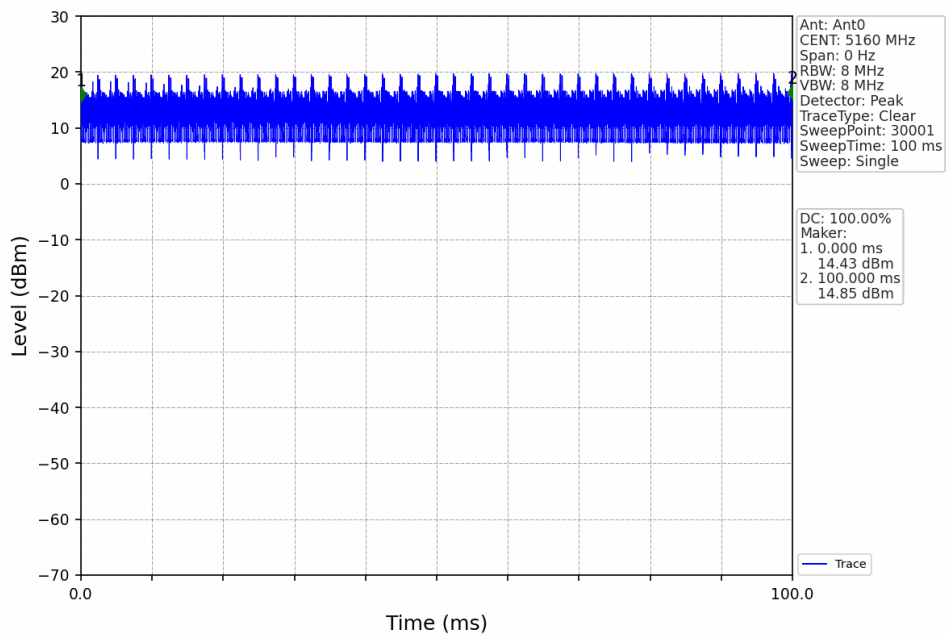
1.1.2 Test Graph



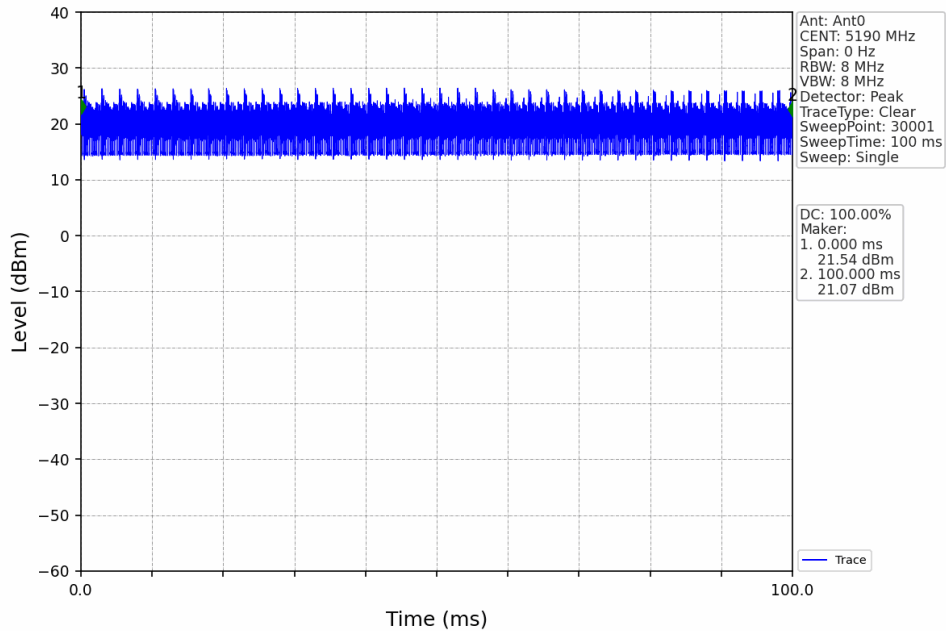
20M RU_HCH_5245MHz_Ant0_NTNV



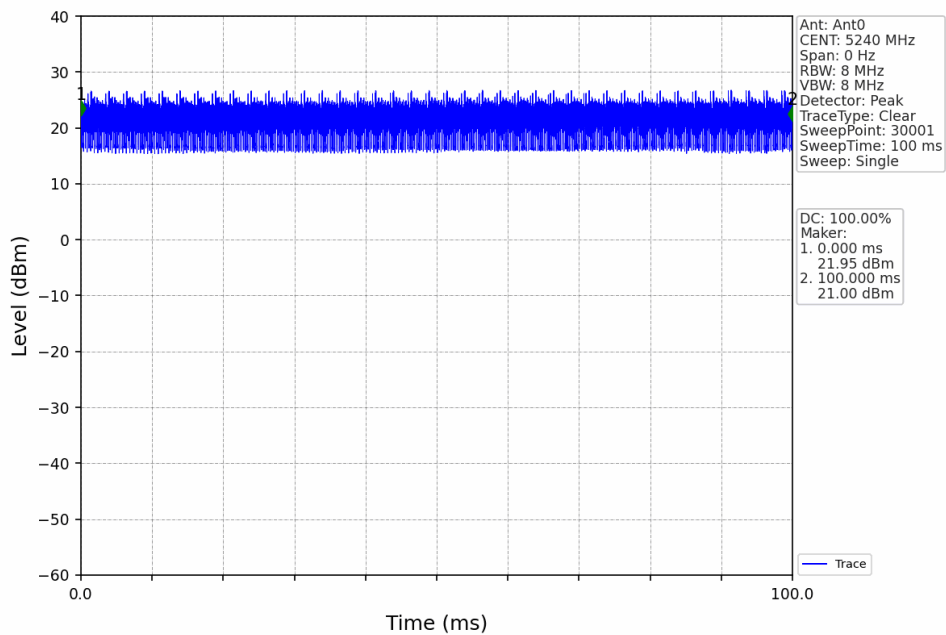
40M RU_LCH_5160MHz_Ant0_NTNV



40M RU_MCH_5190MHz_Ant0_NTNV



40M RU_HCH_5240MHz_Ant0_NTNV



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

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230900303107

Page: 236 of 458

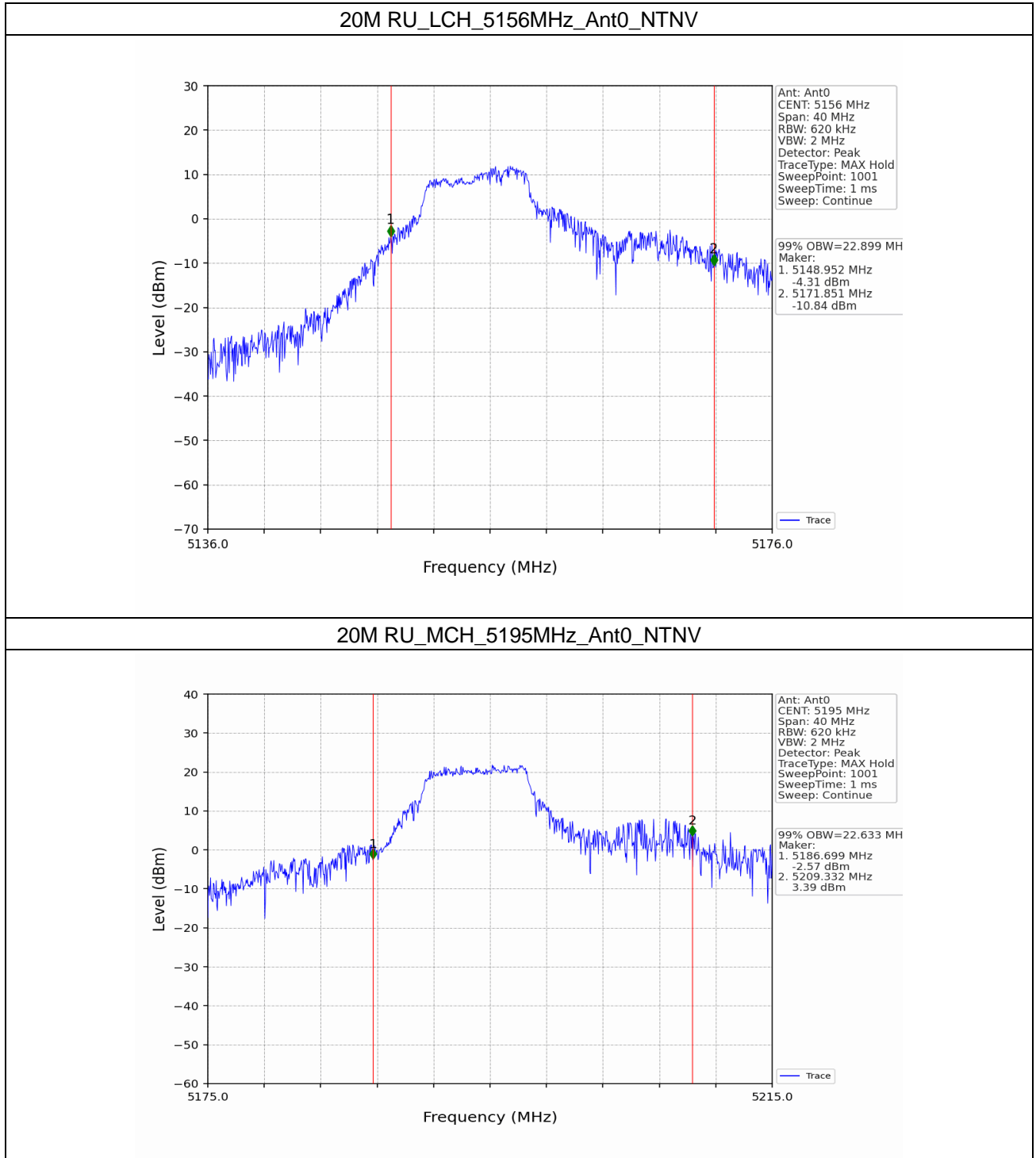
2. Bandwidth

2.1 OBW

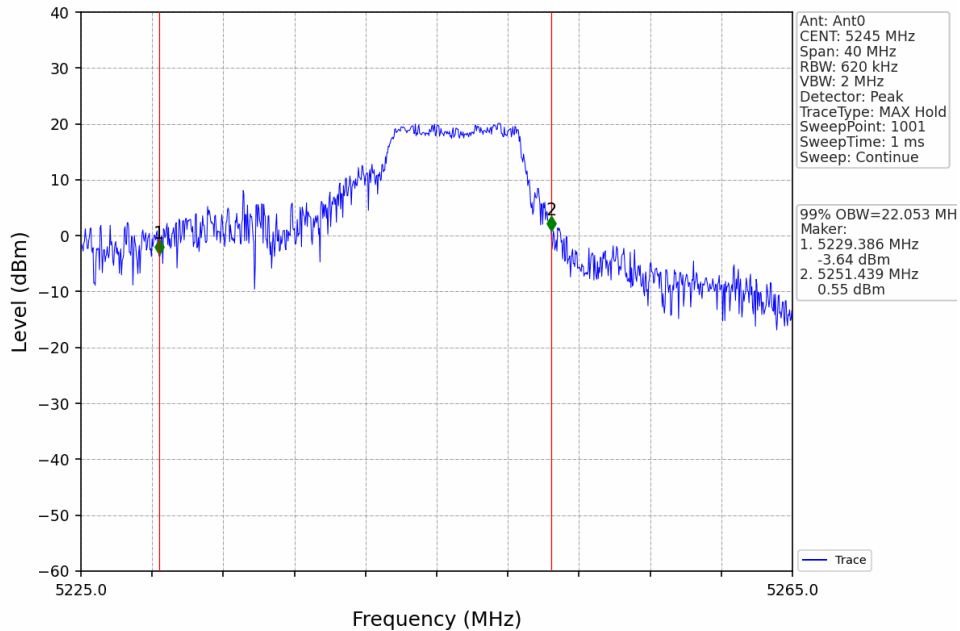
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
20M RU	SISO	5156	0	22.899	Pass
		5195	0	22.633	Pass
		5245	0	22.053	Pass
40M RU	SISO	5160	0	45.897	Pass
		5190	0	44.595	Pass
		5240	0	32.091	Pass

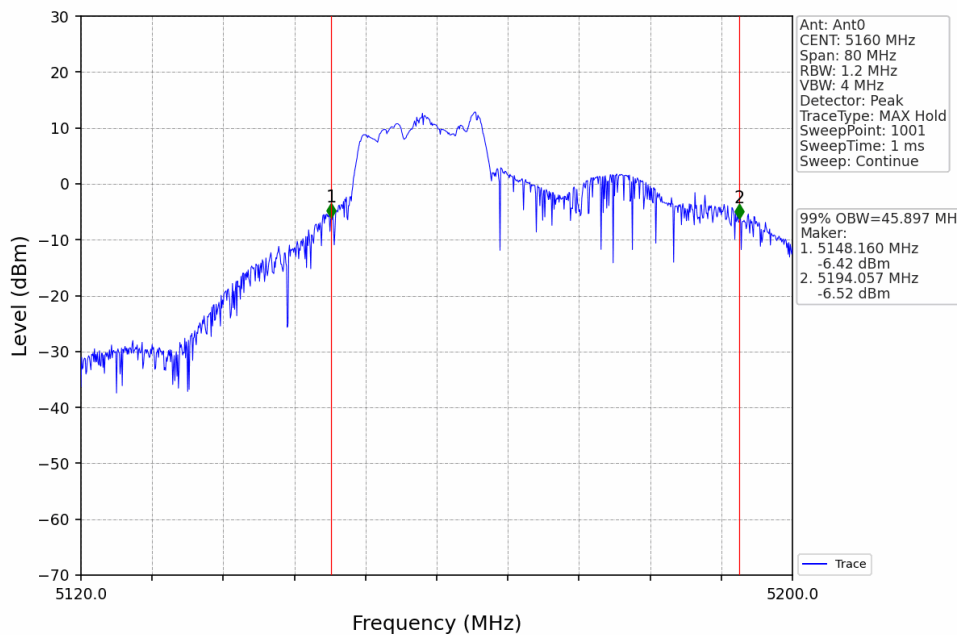
2.1.2 Test Graph



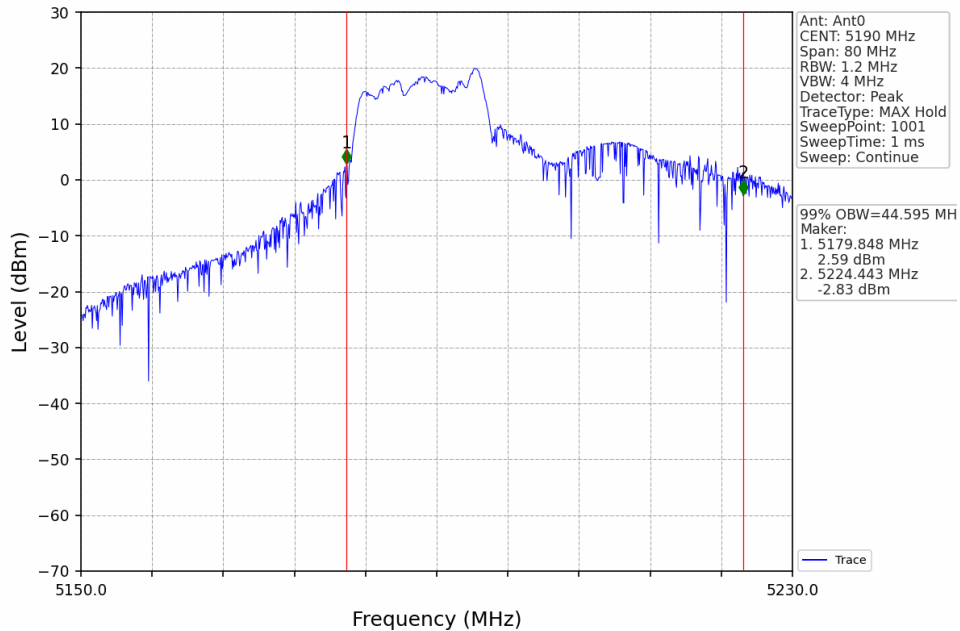
20M RU_HCH_5245MHz_Ant0_NTNV



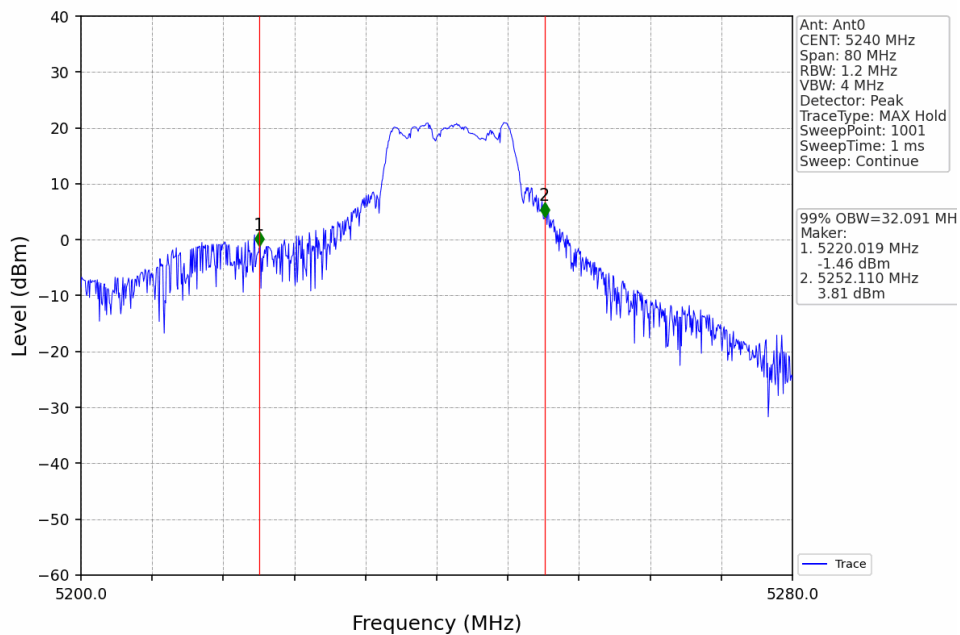
40M RU_LCH_5160MHz_Ant0_NTNV



40M RU_MCH_5190MHz_Ant0_NTNV



40M RU_HCH_5240MHz_Ant0_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

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

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

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230900303107

Page: 240 of 458

2.2 26dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)	Verdict
				Result	
20M RU	SISO	5156	0	30.421	Pass
		5195	0	33.371	Pass
		5245	0	34.682	Pass
40M RU	SISO	5160	0	57.285	Pass
		5190	0	53.614	Pass
		5240	0	42.487	Pass

2.2.2 Test Graph

