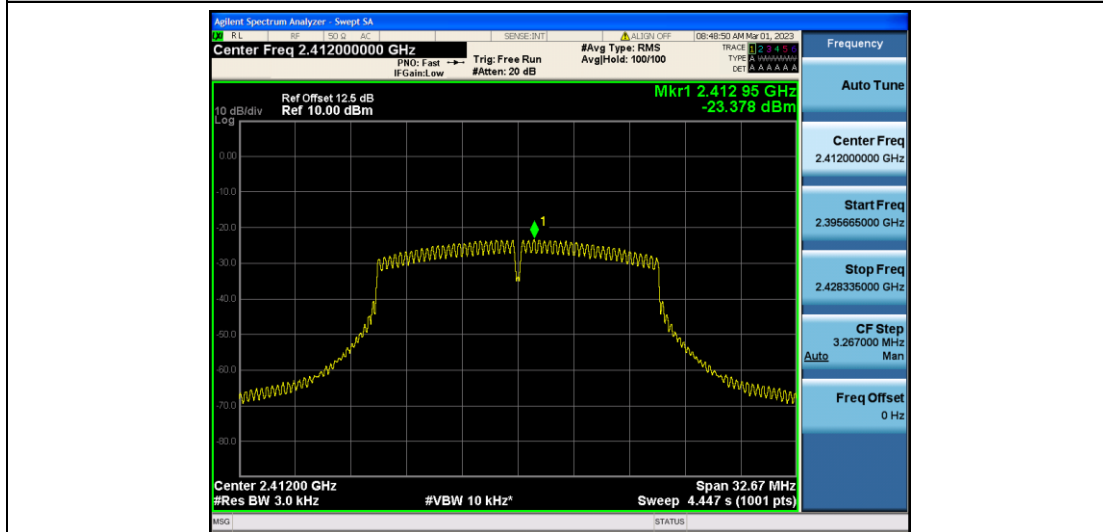
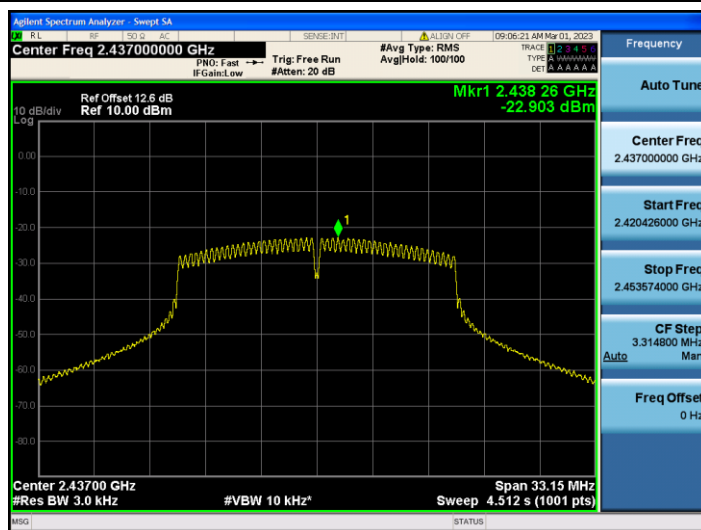


11G_Ant1_2412

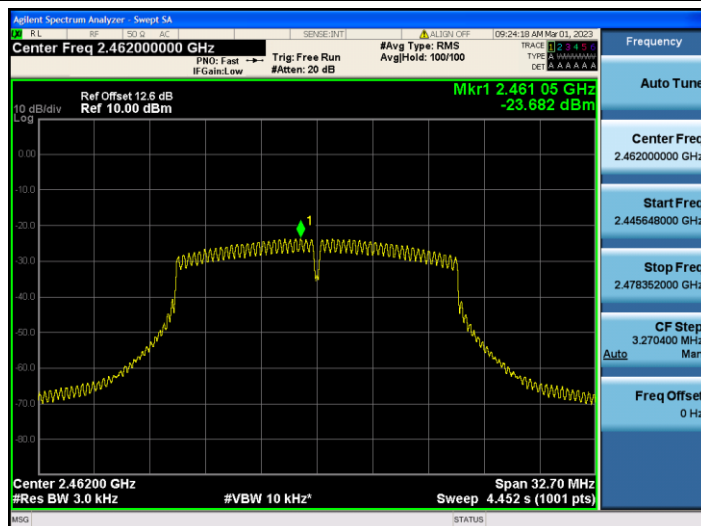


11G_Ant1_2437





11G_Ant1_2462



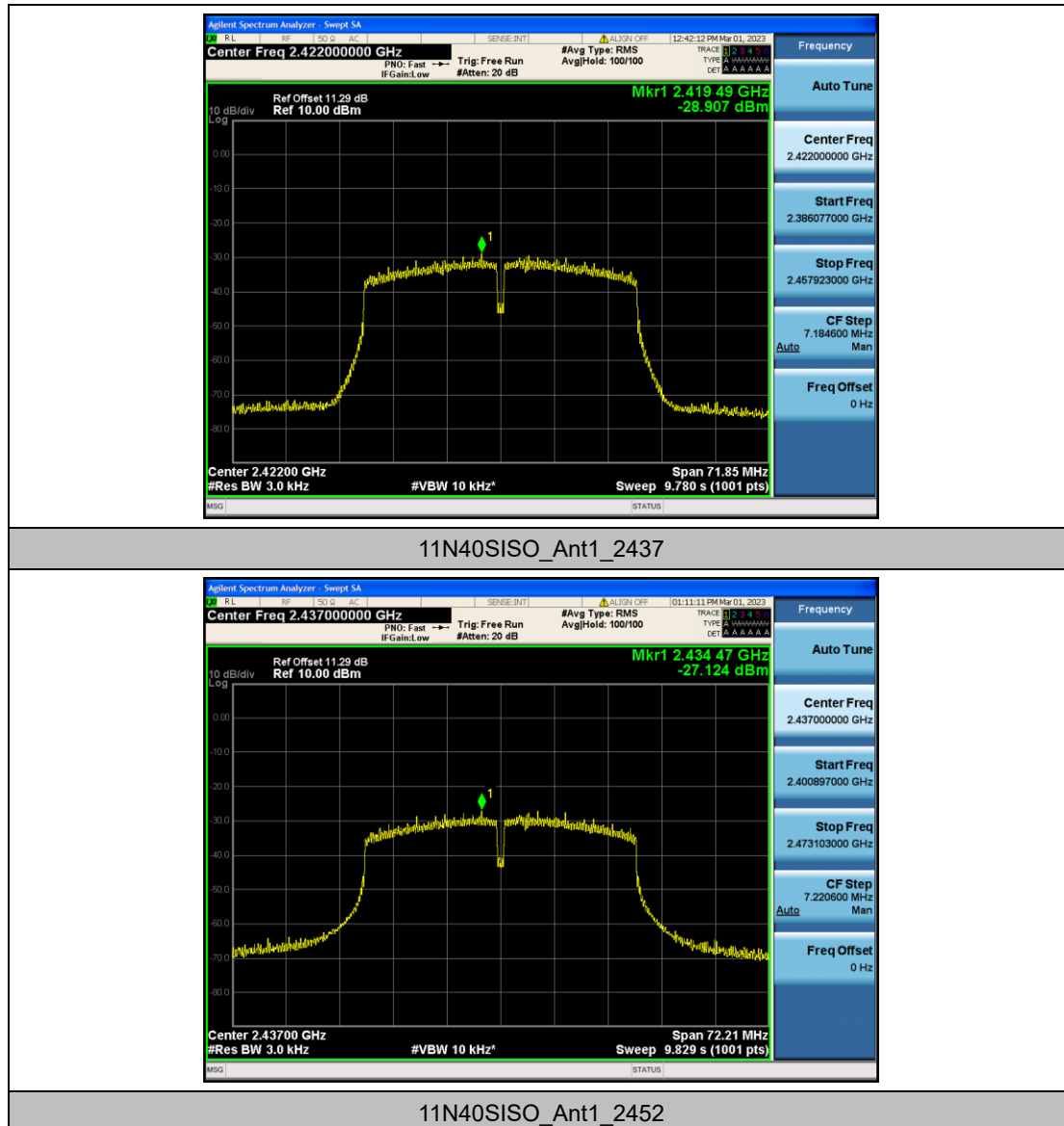
11N40SISO_Ant1_2422



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.588 West Jindu Road, Songjiang District, Shanghai China 201612 t (86-21) 61915666 f (86-21) 61915678 www.sgs.com.cn
中国·上海·松江区金都西路588号 邮编: 201612 t (86-21) 61915666 f (86-21) 61915678 sgs.china@sgs.com



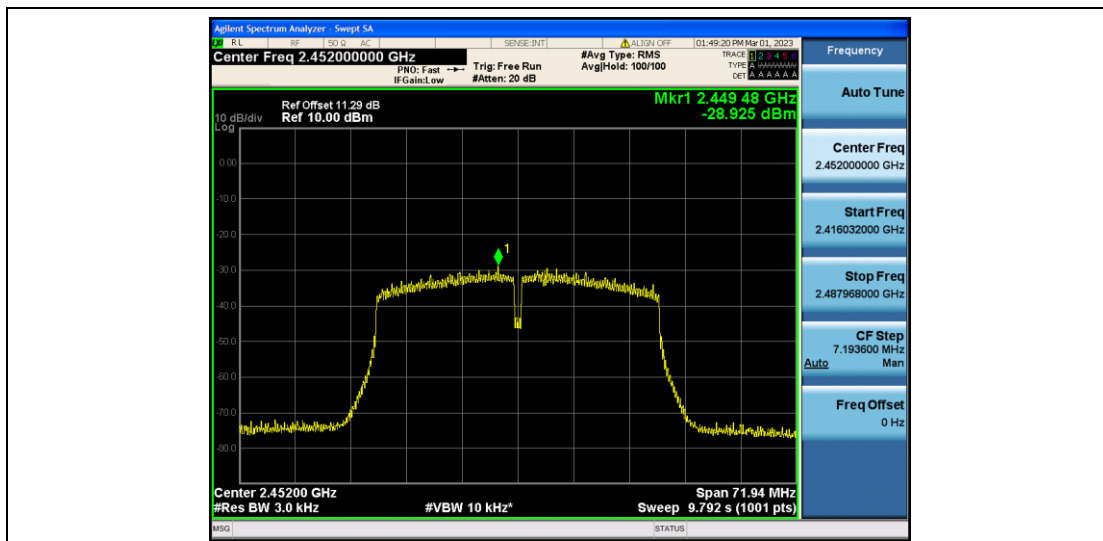
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

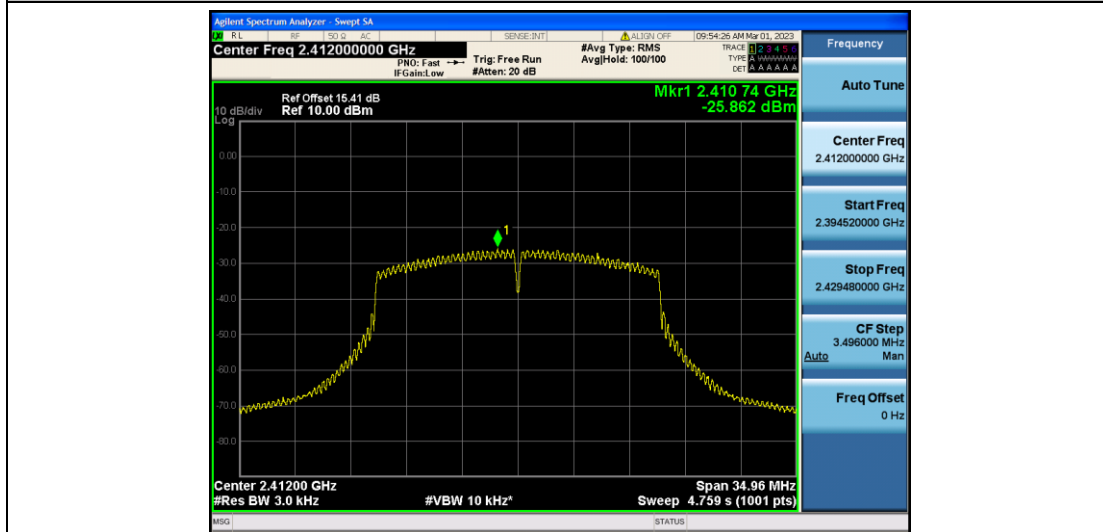
NO.588 West Jindu Road, Songjiang District, Shanghai China 201612
中国·上海·松江区金都西路588号 邮编: 201612

t (86-21) 61915666
f (86-21) 61915666

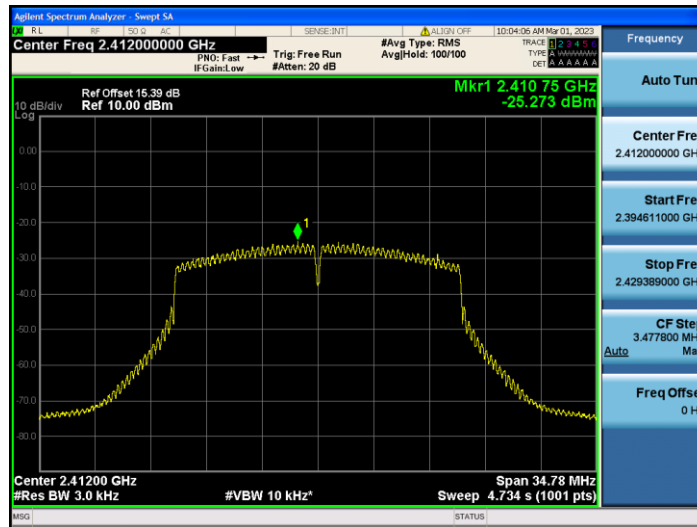
f (86-21) 61915678
www.sgs.com.cn
sgs.china@sgs.com



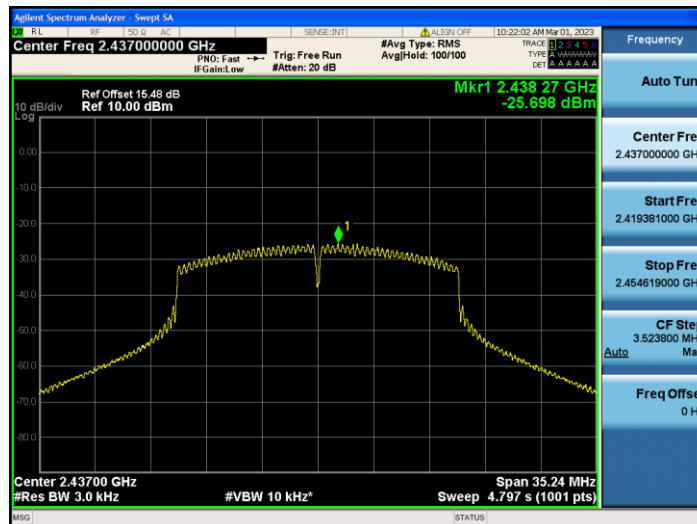
11N20MIMO_Ant1_2412



11N20MIMO_Ant2_2412



11N20MIMO_Ant1_2437



11N20MIMO_Ant2_2437



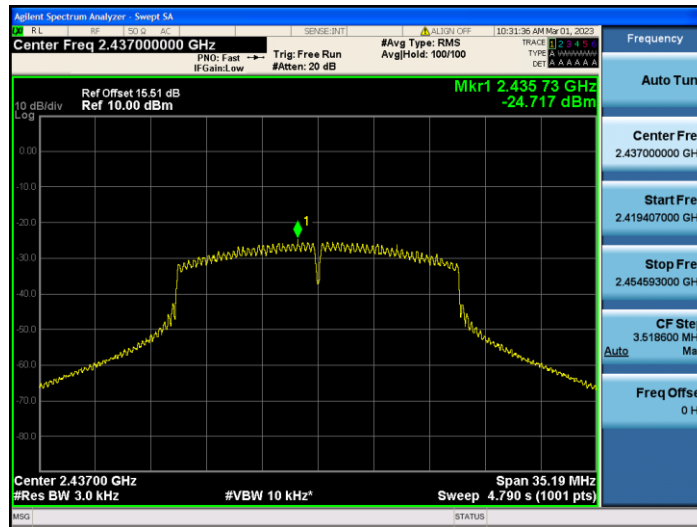
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

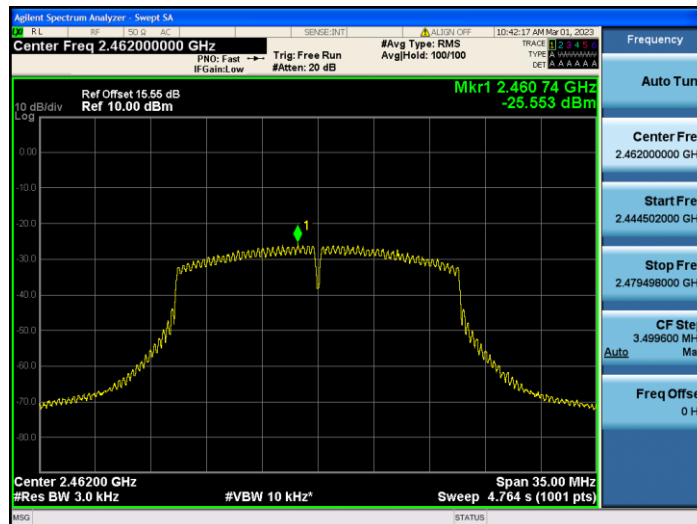
NO.588 West Jindu Road, Songjiang District, Shanghai China 201612
中国·上海·松江区金都西路588号 邮编: 201612

t (86-21) 61915666
f (86-21) 61915666

f (86-21) 61915678
www.sgs.com.cn
sgs.china@sgs.com



11N20MIMO_Ant1_2462



11N20MIMO_Ant2_2462



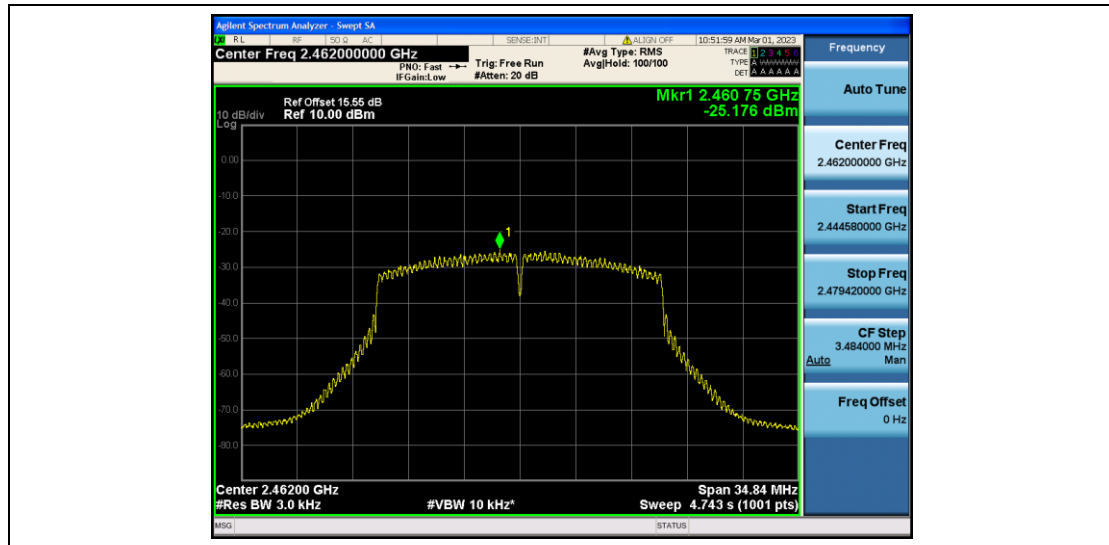
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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.588 West Jindu Road, Songjiang District, Shanghai China 201612
中国·上海·松江区金都西路588号 邮编: 201612

t (86-21) 61915666
f (86-21) 61915666

f (86-21) 61915678
www.sgs.com.cn
sgs.china@sgs.com



Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.65	-41.91	≤-25.35	PASS
		High	2462	4.70	-48.06	≤-25.3	PASS
11G	Ant1	Low	2412	-0.48	-32.73	≤-30.48	PASS
		High	2462	-1.01	-45.6	≤-31.01	PASS
11N20MIMO	Ant1	Low	2412	-3.21	-38.58	≤-33.21	PASS
	Ant2	Low	2412	-1.99	-40.29	≤-31.99	PASS
	Ant1	High	2462	-3.03	-49.97	≤-33.03	PASS
	Ant2	High	2462	-2.26	-50.37	≤-32.26	PASS
11N40SISO	Ant1	Low	2422	-6.56	-45.83	≤-36.56	PASS
		High	2452	-6.66	-47.03	≤-36.66	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.

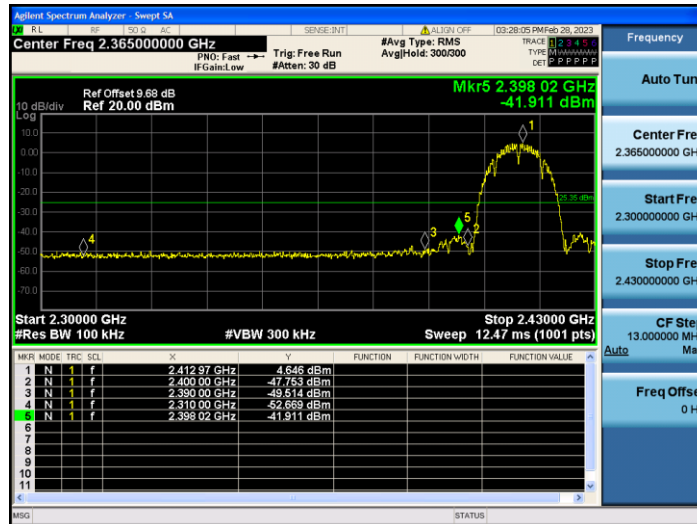
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
EEC EMC Lab

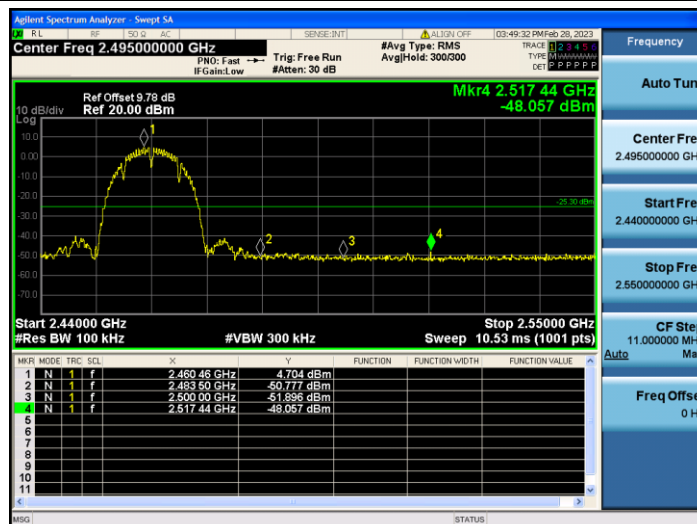
NO. 588 West Jinan Road, Songjiang District, Shanghai China 201612 t (86-21) 61915666 f (86-21) 61915678 www.sgs.com.cn
中国·上海·松江区金都西路588号 邮编: 201612 t (86-21) 61915666 f (86-21) 61915678 sgs.china@sgs.com

Test Graphs

11B_Ant1_Low_2412

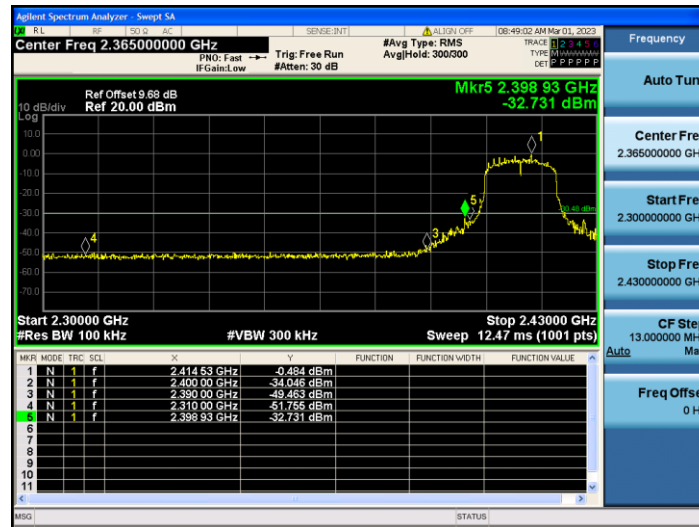


11B_Ant1_High_2462

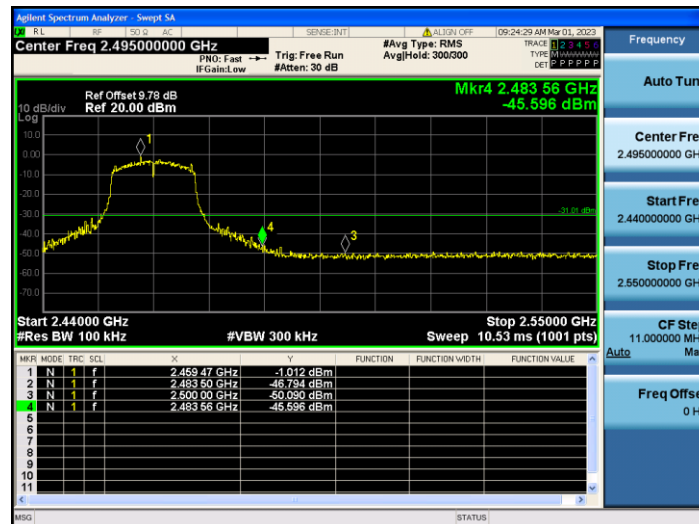


11G_Ant1_Low_2412





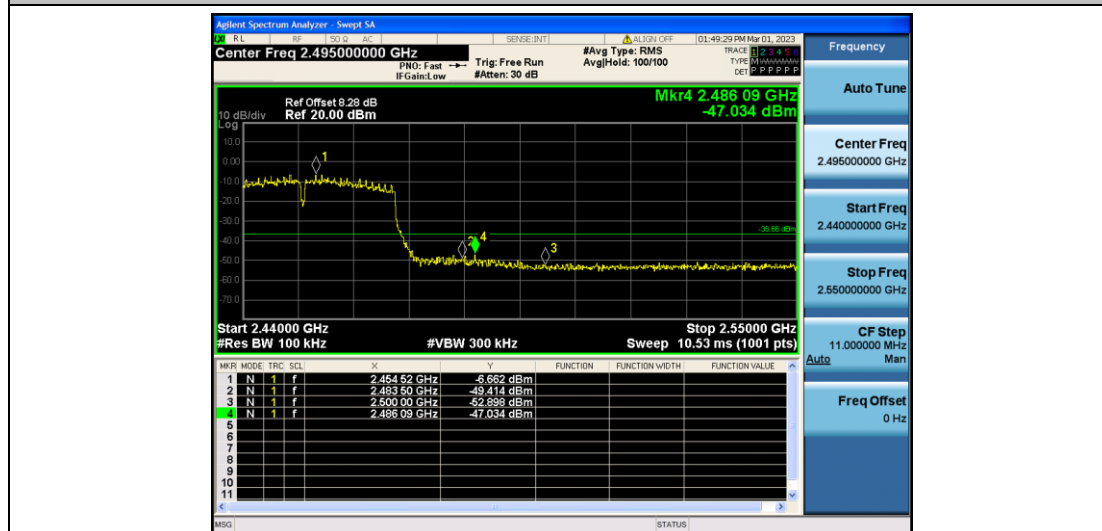
11G_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



11N20MIMO_Ant1_Low_2412



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
EEC EMC Lab

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.

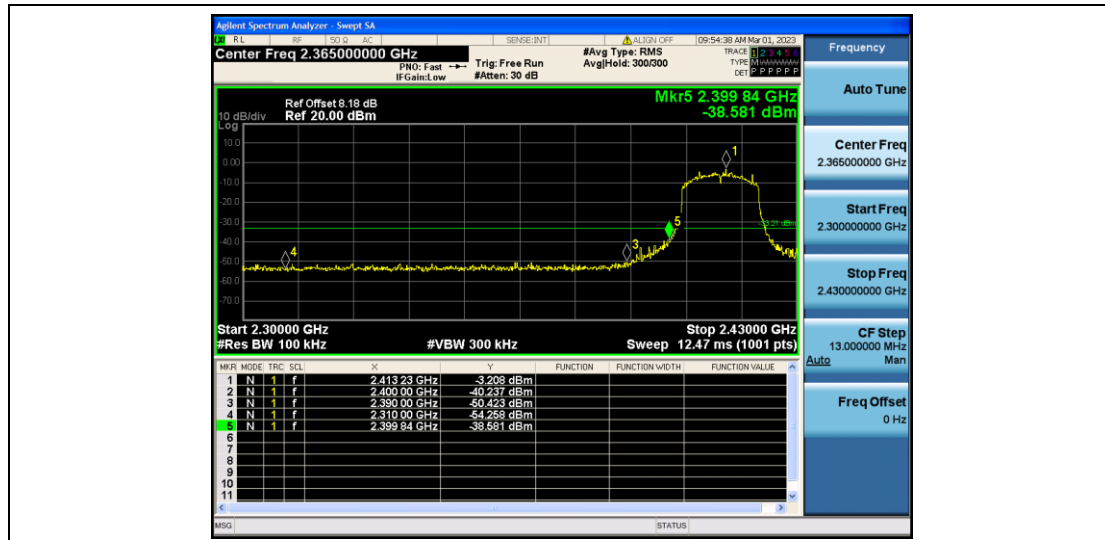
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

NO.588 West Jinlu Road, Songjiang District, Shanghai China 201612
中国·上海·松江区金都西路588号 邮编: 201612

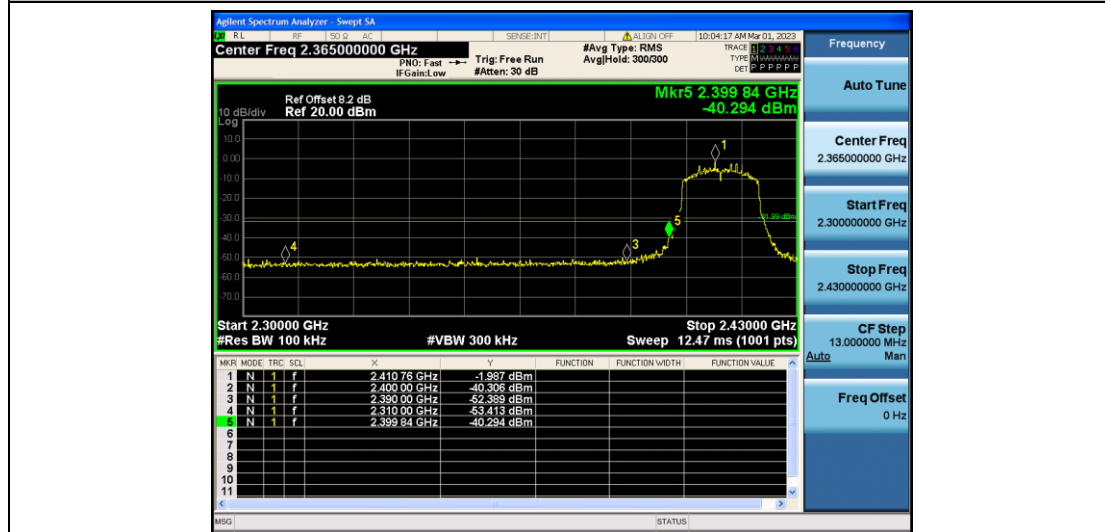
t (86-21) 61915666
t (86-21) 61915666

f (86-21) 61915678
f (86-21) 61915678

www.sgs.com.cn
sgs.china@sgs.com



11N20MIMO_Ant2_Low_2412



11N20MIMO_Ant1_High_2462

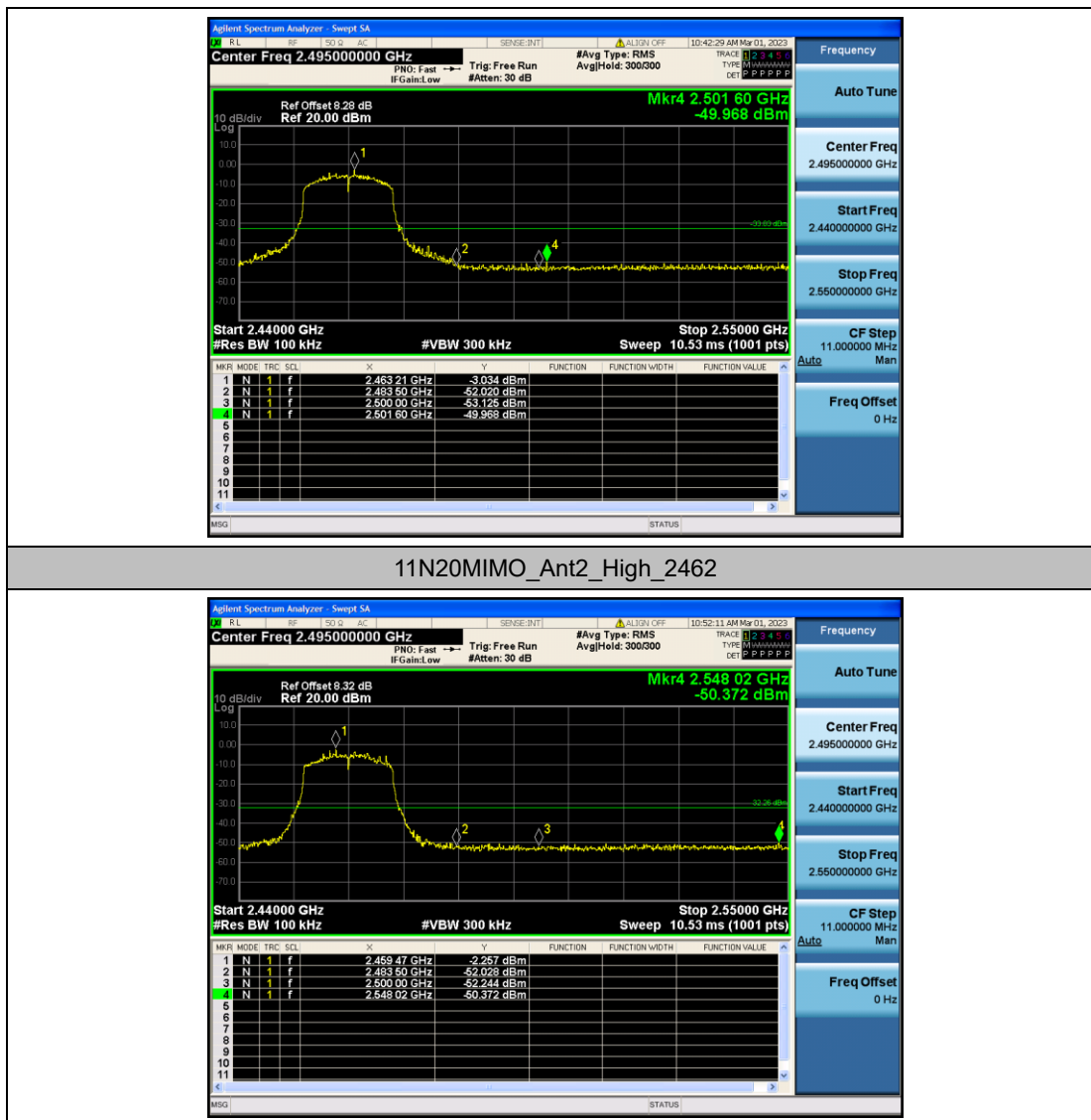


SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
EEC EMC Lab

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

NO. 588 West Jinlu Road, Songjiang District, Shanghai China 201612 t (86-21) 61915666 f (86-21) 61915678 www.sgs.com.cn
中国·上海·松江区金都西路588号 邮编: 201612 t (86-21) 61915666 f (86-21) 61915678 sgs.china@sgs.com



Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.75	3.75	---	PASS
			30~1000	3.75	-60.72	≤-26.25	PASS
			1000~26500	3.75	-43.57	≤-26.25	PASS
		2437	Reference	3.04	3.04	---	PASS
			30~1000	3.04	-59.45	≤-26.96	PASS
			1000~26500	3.04	-43.55	≤-26.96	PASS
		2462	Reference	3.39	3.39	---	PASS
			30~1000	3.39	-59.99	≤-26.61	PASS
			1000~26500	3.39	-43.56	≤-26.61	PASS
11G	Ant1	2412	Reference	-3.35	-3.35	---	PASS
			30~1000	-3.35	-58.26	≤-33.35	PASS
			1000~26500	-3.35	-42.47	≤-33.35	PASS
		2437	Reference	-2.84	-2.84	---	PASS
			30~1000	-2.84	-59.23	≤-32.84	PASS
			1000~26500	-2.84	-43.14	≤-32.84	PASS
		2462	Reference	-3.91	-3.91	---	PASS
			30~1000	-3.91	-59.15	≤-33.91	PASS
			1000~26500	-3.91	-42.86	≤-33.91	PASS
11N40SISO	Ant1	2422	Reference	-7.11	-7.11	---	PASS
			30~1000	-7.11	-37.73	≤-37.11	PASS
			1000~26500	-7.11	-44.28	≤-37.11	PASS
		2437	Reference	-4.79	-4.79	---	PASS
			30~1000	-4.79	-61.84	≤-34.79	PASS
			1000~26500	-4.79	-43.93	≤-34.79	PASS
		2452	Reference	-6.67	-6.67	---	PASS
			30~1000	-6.67	-55.6	≤-36.67	PASS
			1000~26500	-6.67	-43.48	≤-36.67	PASS
11N20MIMO	Ant1	2412	Reference	-4.92	-4.92	---	PASS
			30~1000	-4.92	-60.67	≤-34.92	PASS
			1000~26500	-4.92	-44.42	≤-34.92	PASS
	Ant2	2412	Reference	-5.79	-5.79	---	PASS
			30~1000	-5.79	-61.64	≤-35.79	PASS
			1000~26500	-5.79	-44.85	≤-35.79	PASS
	Ant1	2437	Reference	-5.93	-5.93	---	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 (Shanghai) Co., Ltd.
EEC EMC Lab

NO. 588 West Jinan Road, Songjiang District, Shanghai China 201612
中国·上海·松江区金都西路588号 邮编: 201612

t (86-21) 61915666
t (86-21) 61915666

f (86-21) 61915678
f (86-21) 61915678

www.sgs.com
sgs.china@sgs.com

			30~1000	-5.93	-60.38	≤-35.93	PASS
			1000~26500	-5.93	-43.97	≤-35.93	PASS
	Ant2	2437	Reference	-5.12	-5.12	---	PASS
			30~1000	-5.12	-61.31	≤-35.12	PASS
			1000~26500	-5.12	-43.95	≤-35.12	PASS
	Ant1	2462	Reference	-5.96	-5.96	---	PASS
			30~1000	-5.96	-62.07	≤-35.96	PASS
			1000~26500	-5.96	-43.91	≤-35.96	PASS
	Ant2	2462	Reference	-4.38	-4.38	---	PASS
			30~1000	-4.38	-61.65	≤-34.38	PASS
			1000~26500	-4.38	-44.12	≤-34.38	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 (Shanghai) Co., Ltd.
EEC EMC Lab

NO. 588 West Jinan Road, Songjiang District, Shanghai China 201612
中国·上海·松江区金都西路588号 邮编: 201612

t (86-21) 61915666
t (86-21) 61915666

f (86-21) 61915678
f (86-21) 61915678

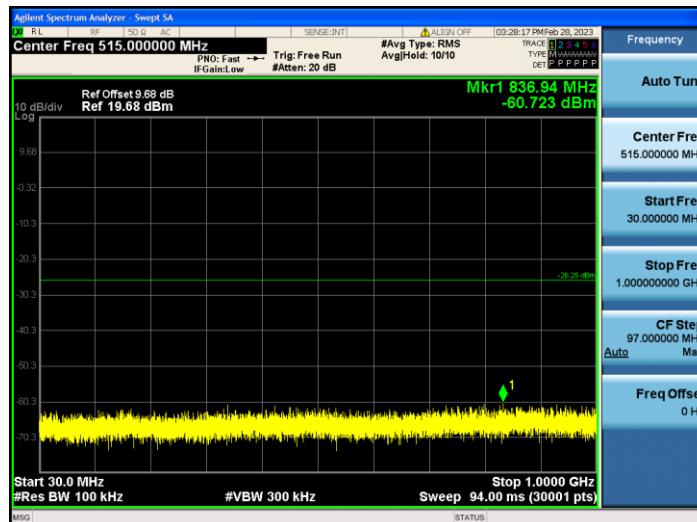
www.sgs.com
sgs.china@sgs.com

Test Graphs

11B_Ant1_2412_0~Reference

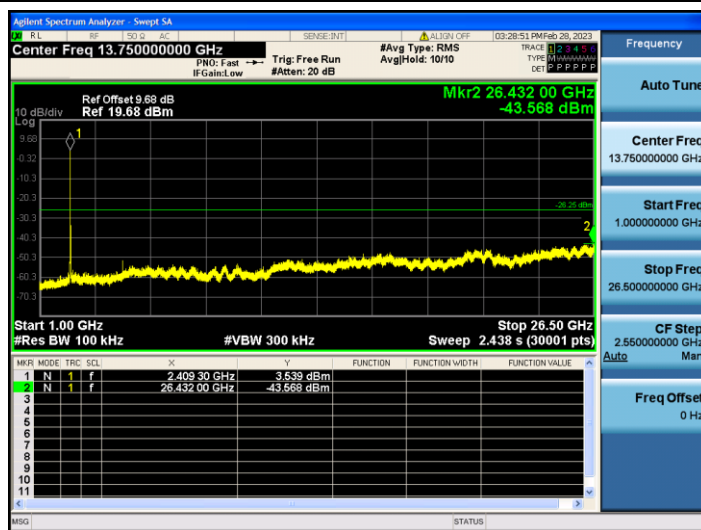


11B_Ant1_2412_30~1000

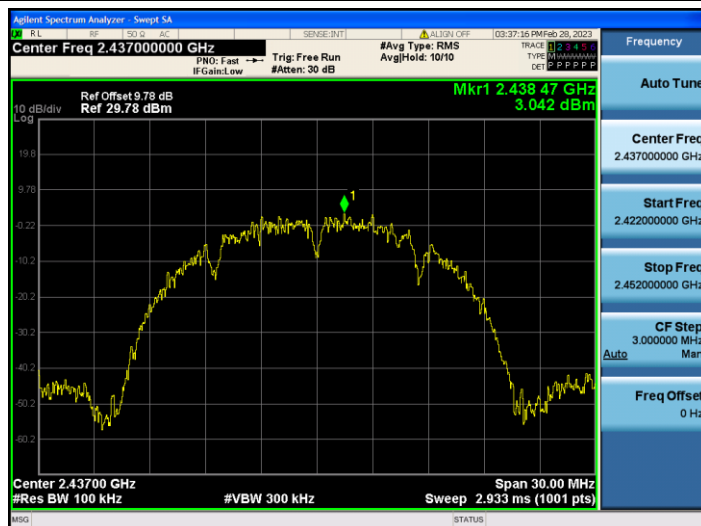


11B_Ant1_2412_1000~26500

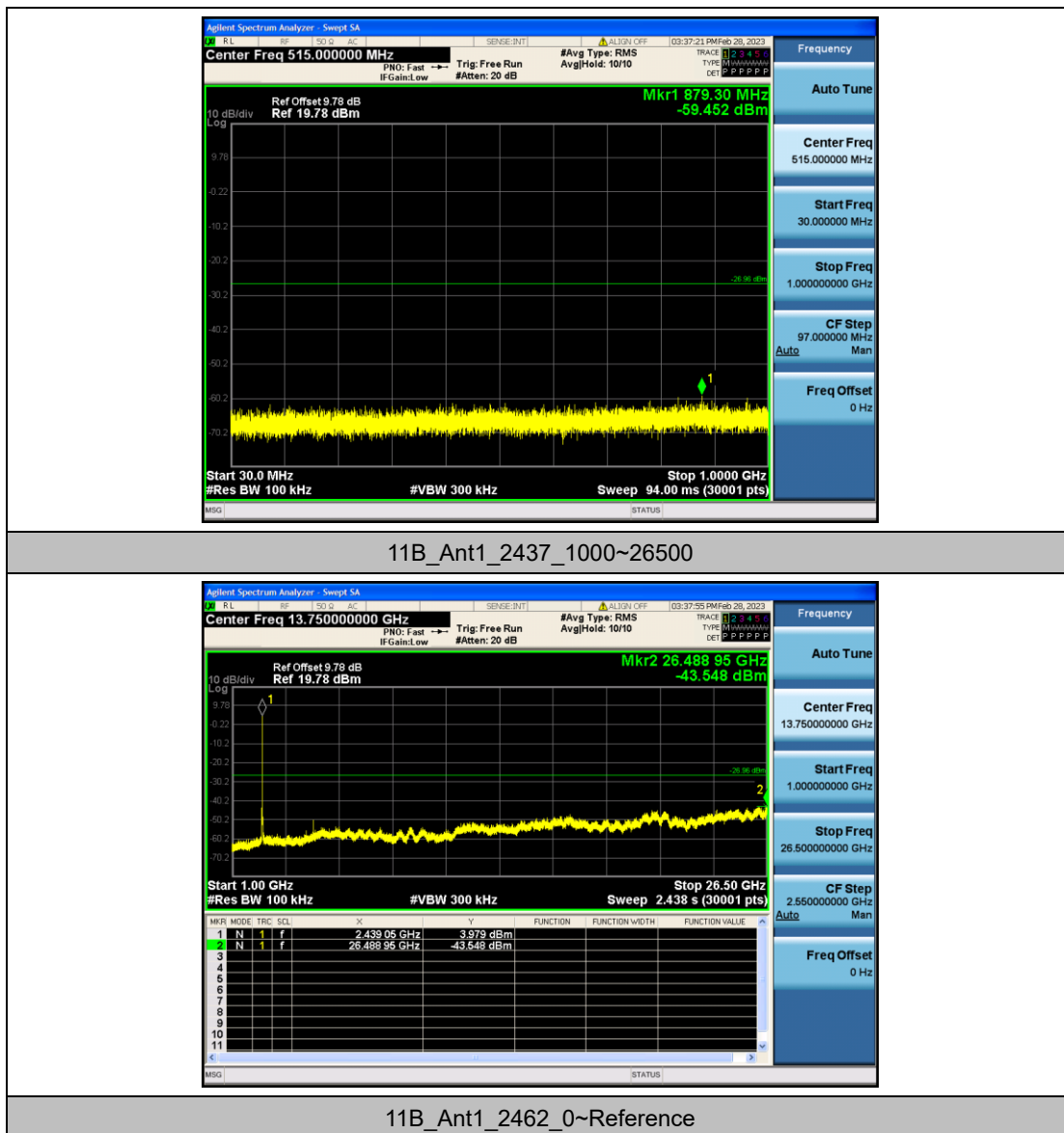


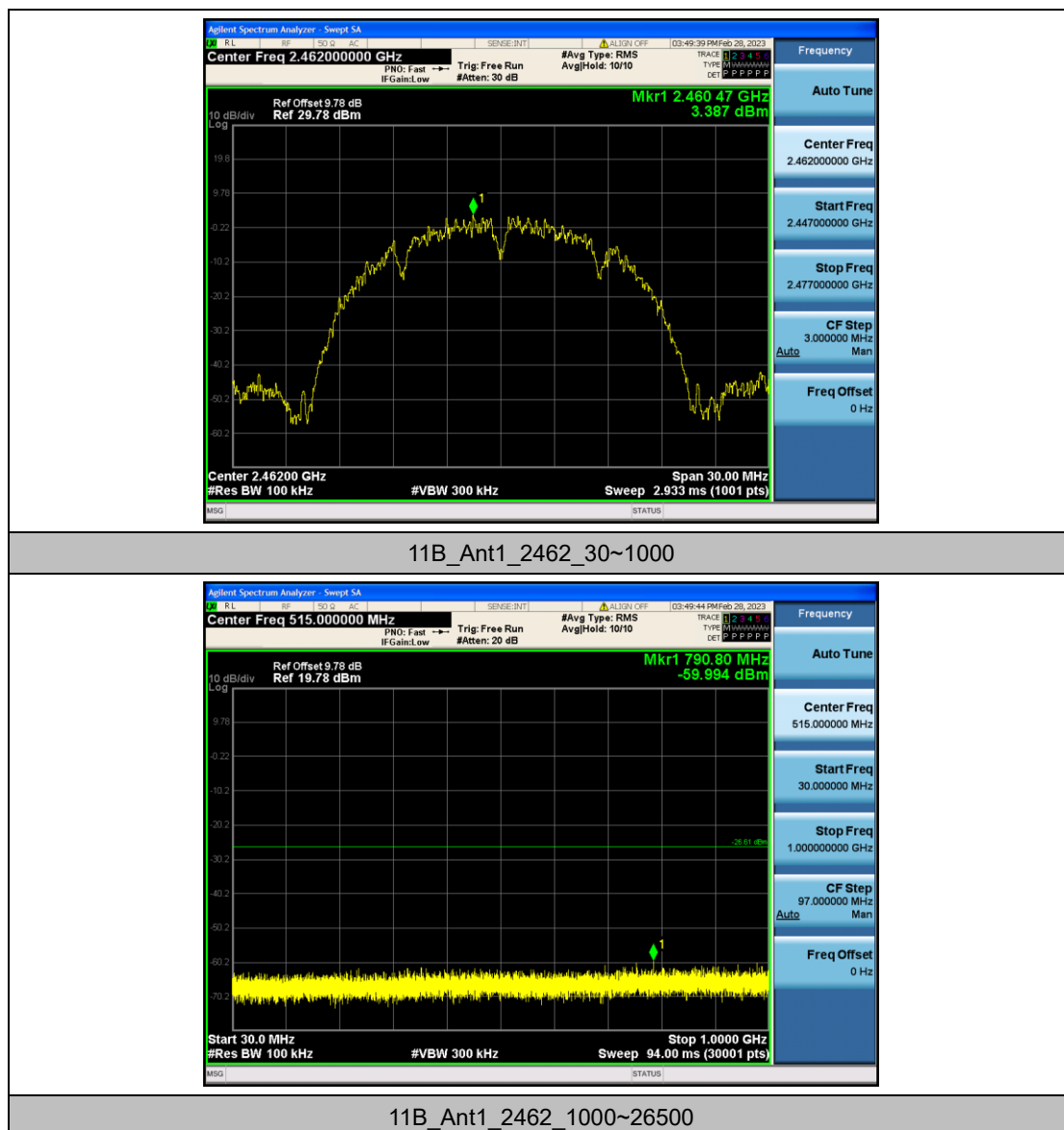


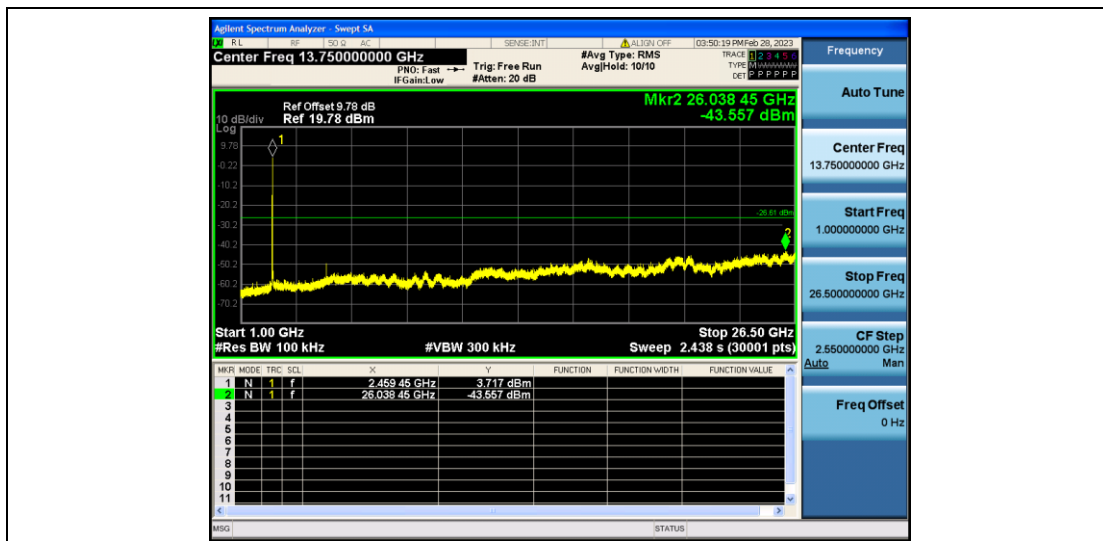
11B_Ant1_2437_0~Reference



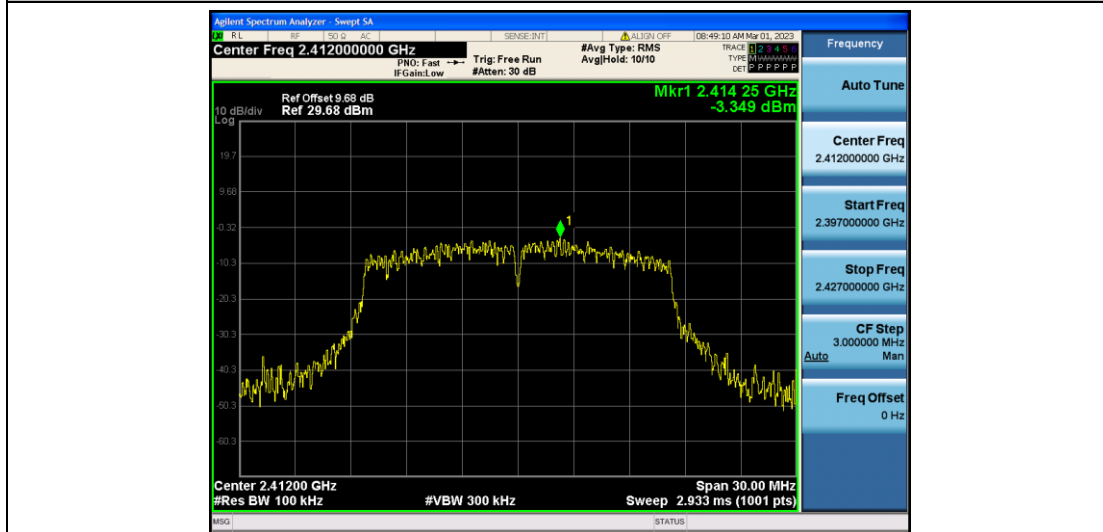
11B_Ant1_2437_30~1000



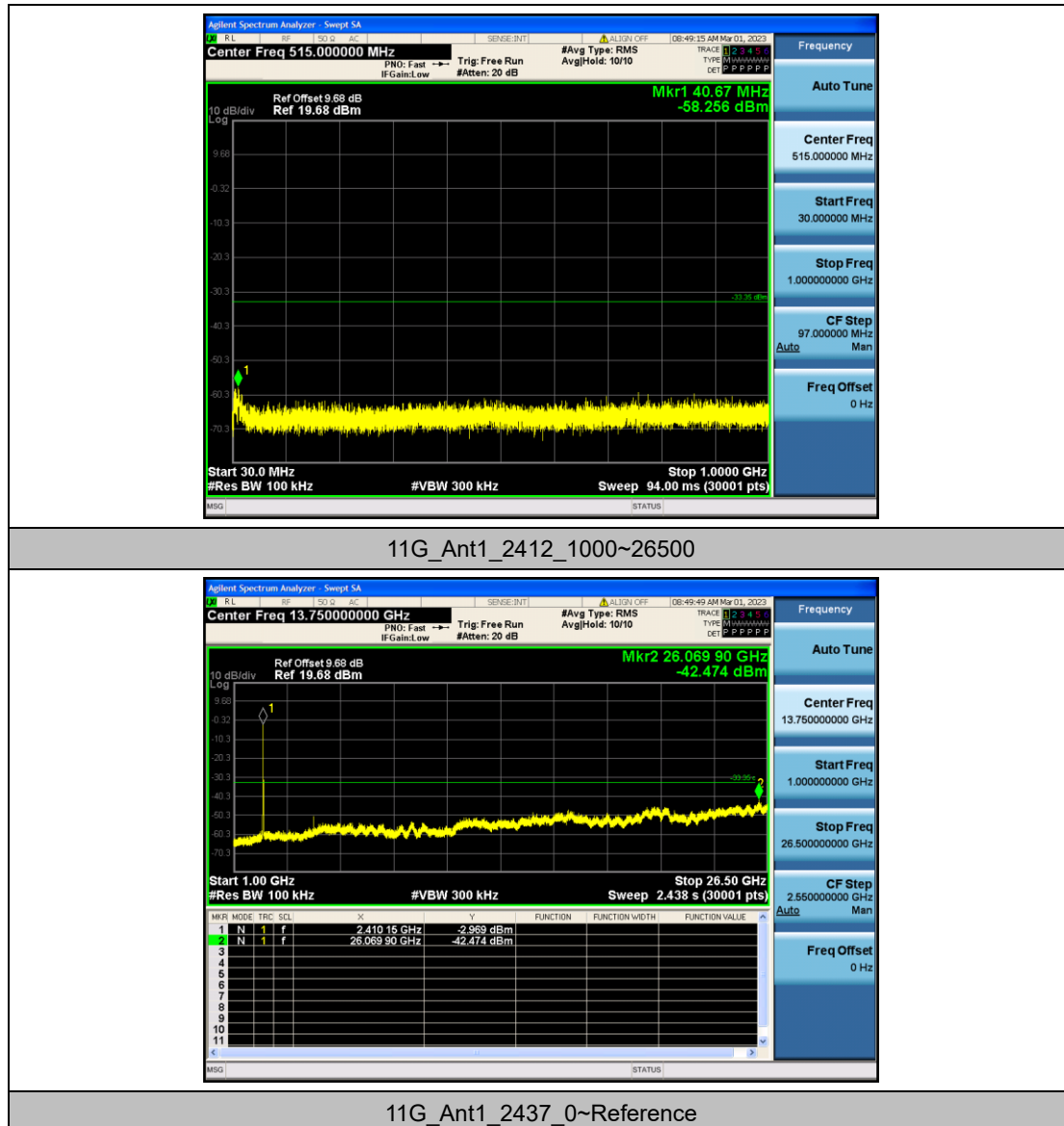


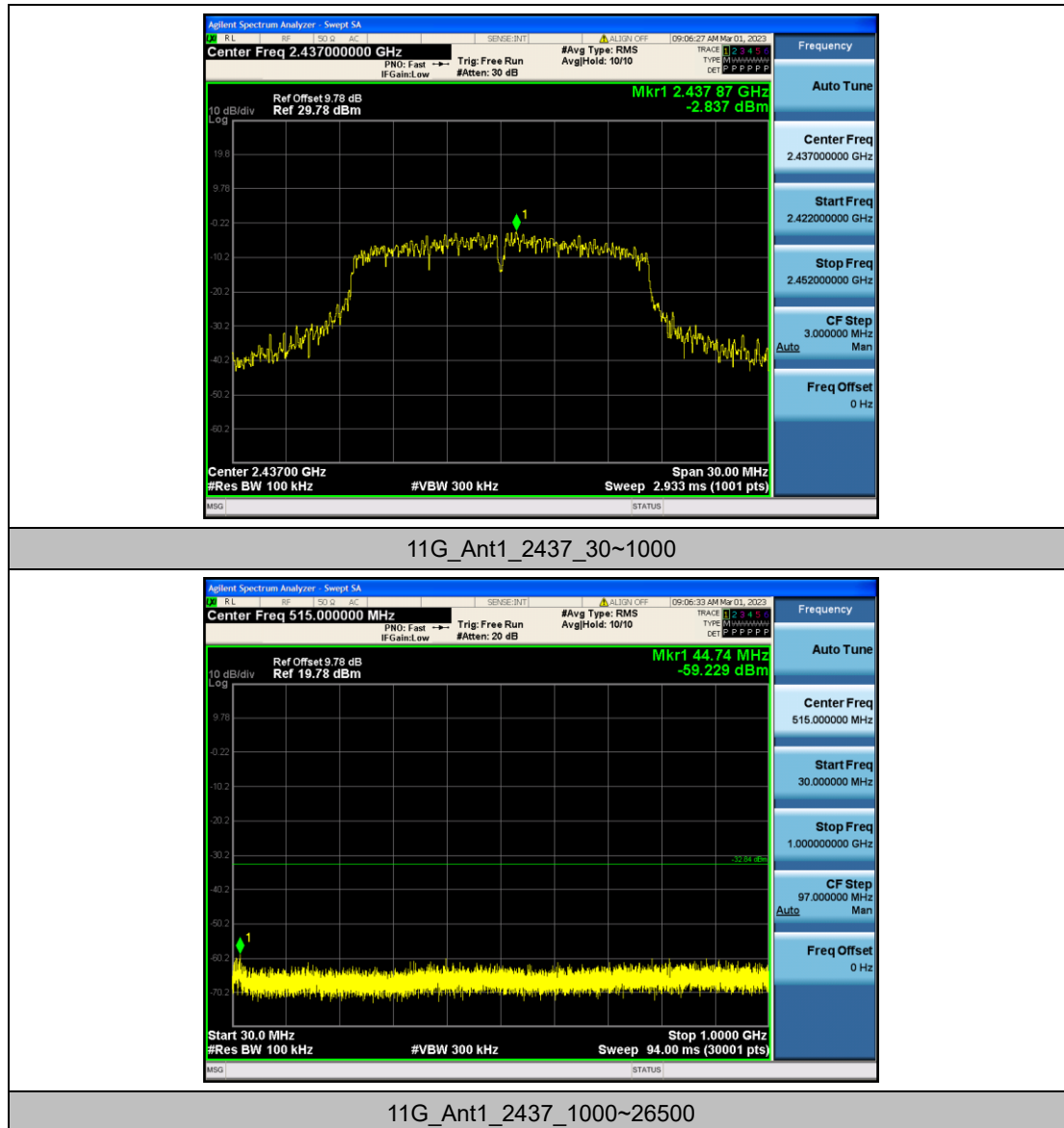


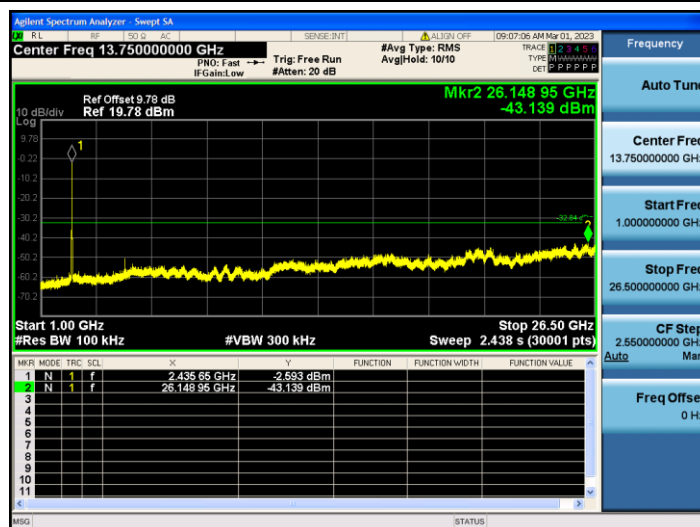
11G_Ant1_2412_0~Reference



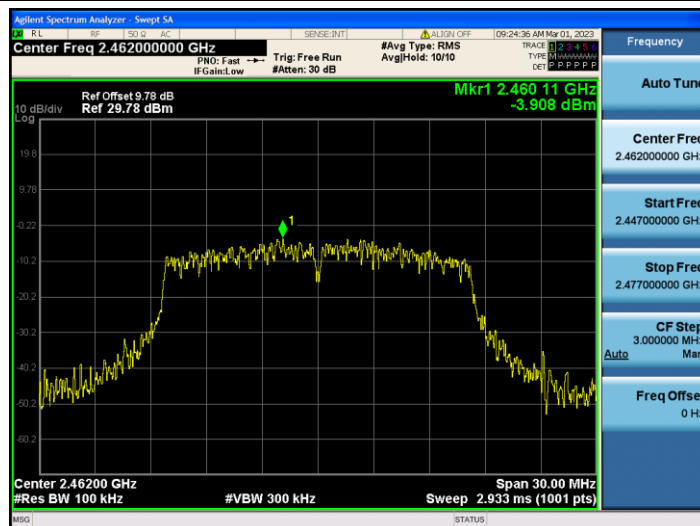
11G_Ant1_2412_30~1000



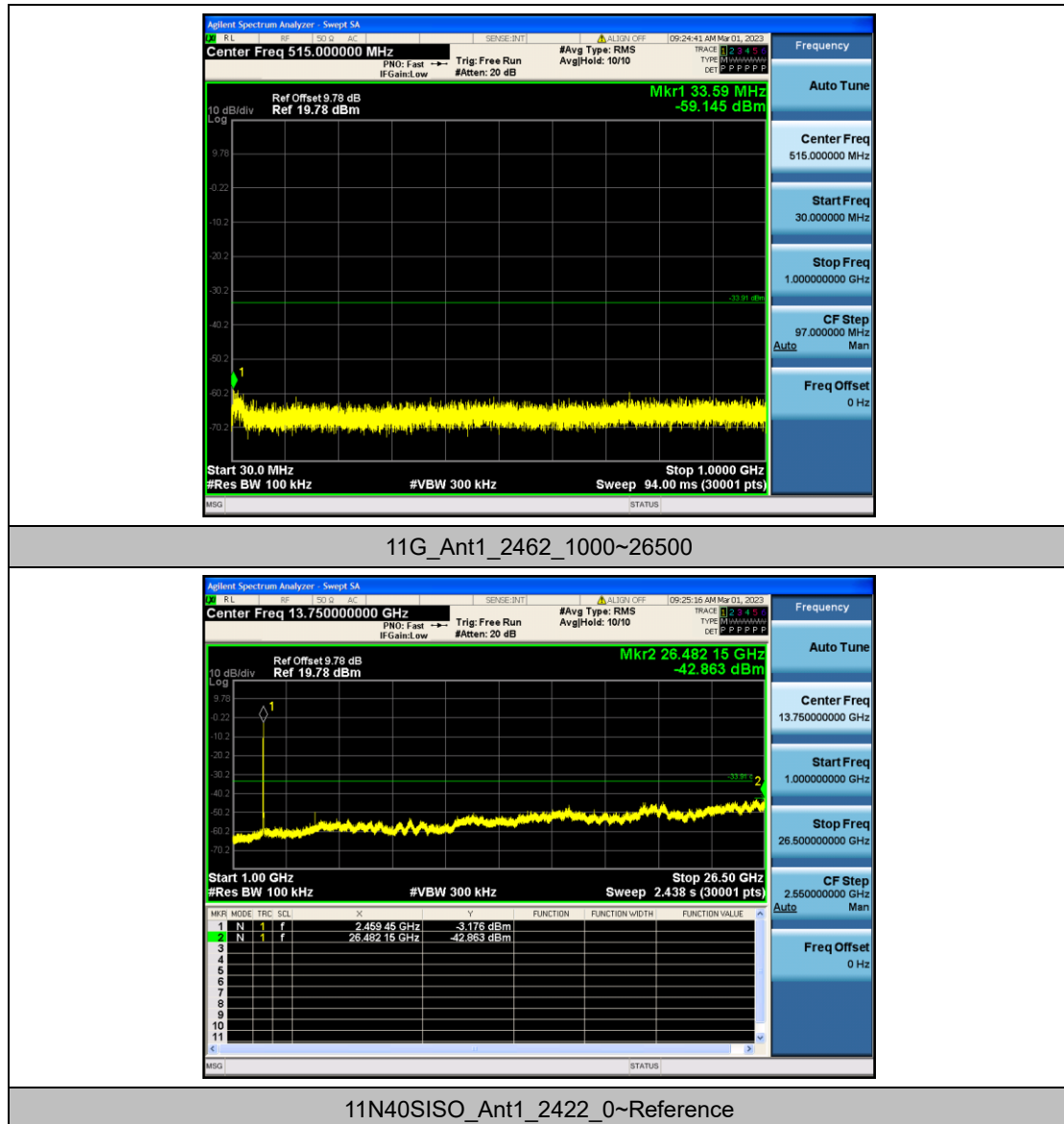


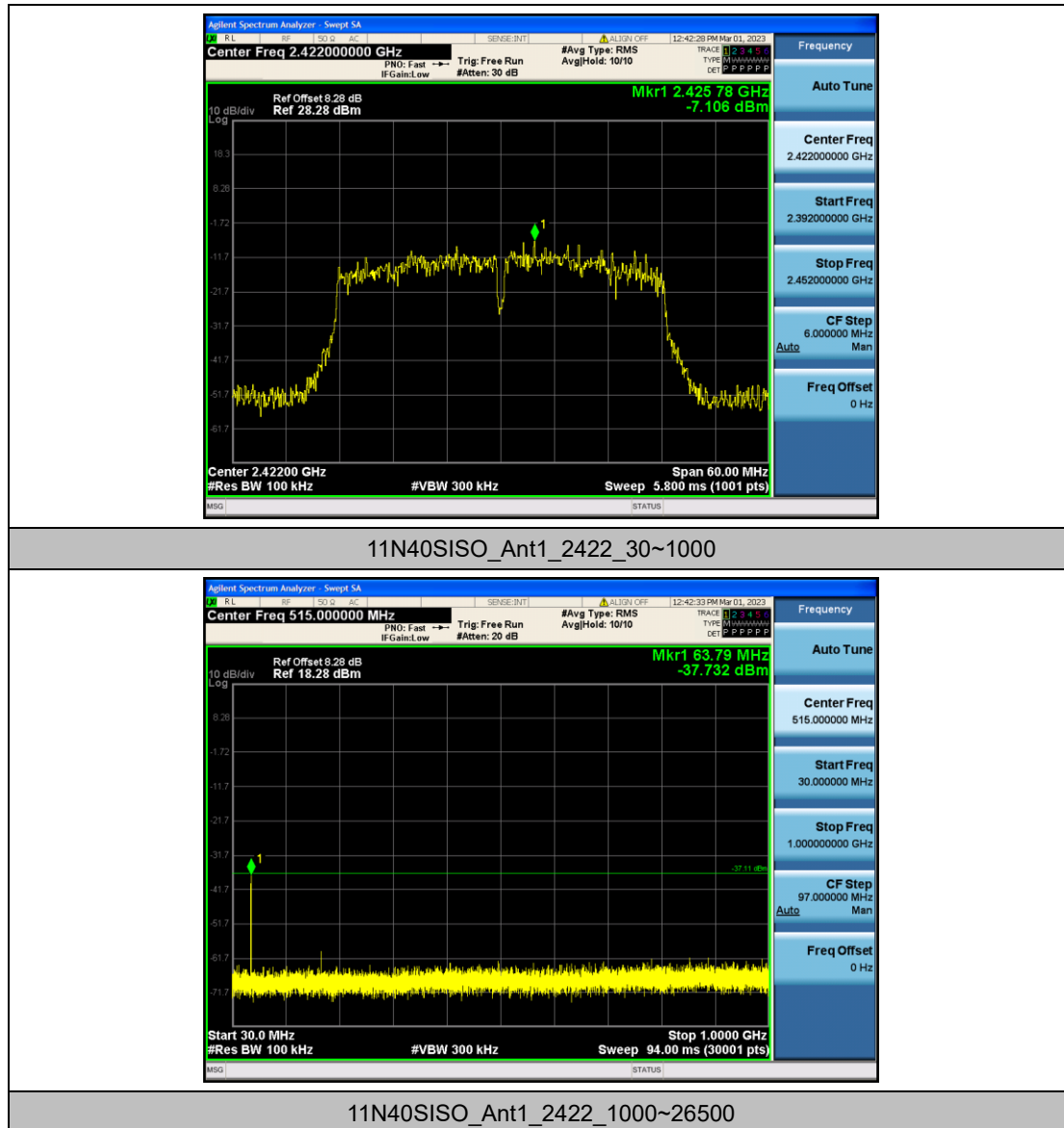


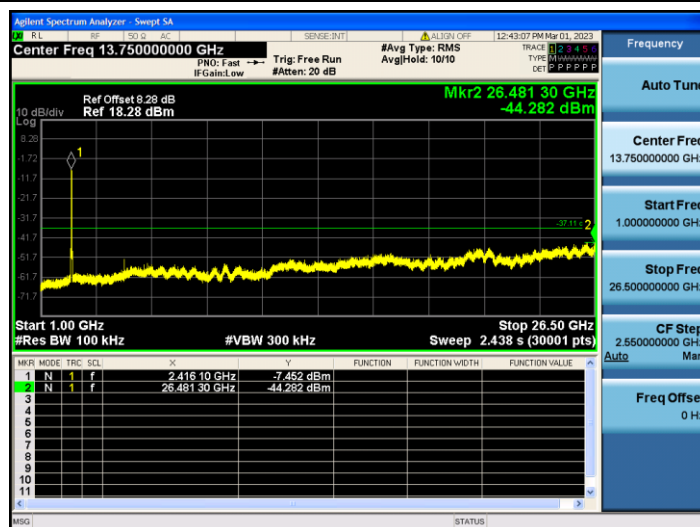
11G_Ant1_2462_0~Reference



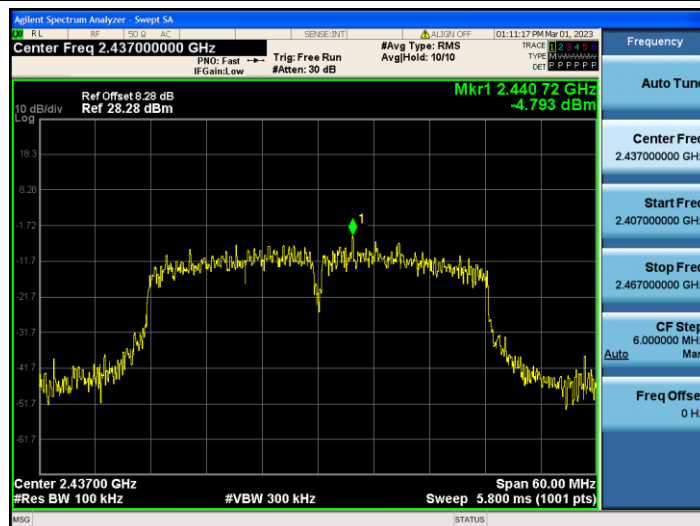
11G_Ant1_2462_30~1000







11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000