Appendix B.10

LTE Band18(815-824)

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 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 sgs.china@sgs.com

Transmitter Conducted Power Output

Test Result

Ant13:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Limit(dBm)	Verdict
18(815-824)	5MHz	QPSK	23875	1RB#0	23.22	50	PASS
18(815-824)	5MHz	QPSK	23875	1RB#12	23.15	50	PASS
18(815-824)	5MHz	QPSK	23875	1RB#24	23.06	50	PASS
18(815-824)	5MHz	QPSK	23875	25RB#0	22.19	50	PASS
18(815-824)	5MHz	QPSK	23895	1RB#0	23.21	50	PASS
18(815-824)	5MHz	QPSK	23895	1RB#12	22.92	50	PASS
18(815-824)	5MHz	QPSK	23895	1RB#24	23.08	50	PASS
18(815-824)	5MHz	QPSK	23895	25RB#0	22.14	50	PASS
18(815-824)	5MHz	QPSK	23915	1RB#0	23.14	50	PASS
18(815-824)	5MHz	QPSK	23915	1RB#12	23.05	50	PASS
18(815-824)	5MHz	QPSK	23915	1RB#24	23.03	50	PASS
18(815-824)	5MHz	QPSK	23915	25RB#0	22.18	50	PASS
18(815-824)	5MHz	16QAM	23875	1RB#0	22.65	50	PASS
18(815-824)	5MHz	16QAM	23875	1RB#12	22.55	50	PASS
18(815-824)	5MHz	16QAM	23875	1RB#24	22.32	50	PASS
18(815-824)	5MHz	16QAM	23875	25RB#0	21.18	50	PASS
18(815-824)	5MHz	16QAM	23895	1RB#0	22.41	50	PASS
18(815-824)	5MHz	16QAM	23895	1RB#12	22.4	50	PASS
18(815-824)	5MHz	16QAM	23895	1RB#24	22.35	50	PASS
18(815-824)	5MHz	16QAM	23895	25RB#0	21.16	50	PASS
18(815-824)	5MHz	16QAM	23915	1RB#0	22.56	50	PASS
18(815-824)	5MHz	16QAM	23915	1RB#12	22.45	50	PASS
18(815-824)	5MHz	16QAM	23915	1RB#24	22.56	50	PASS
18(815-824)	5MHz	16QAM	23915	25RB#0	21.09	50	PASS
18(815-824)	5MHz	64QAM	23875	1RB#0	22.17	50	PASS
18(815-824)	5MHz	64QAM	23875	1RB#12	22.05	50	PASS
18(815-824)	5MHz	64QAM	23875	1RB#24	21.92	50	PASS
18(815-824)	5MHz	64QAM	23875	25RB#0	20.63	50	PASS
18(815-824)	5MHz	64QAM	23895	1RB#0	21.75	50	PASS
18(815-824)	5MHz	64QAM	23895	1RB#12	21.69	50	PASS

检验检测专用章 Inspection & Testing Services

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 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 sgs.china@sgs.com
Member of the SGS Group (SGS SA)

18(815-824)	5MHz	64QAM	23895	1RB#24	21.84	50	PASS
18(815-824)	5MHz	64QAM	23895	25RB#0	20.78	50	PASS
18(815-824)	5MHz	64QAM	23915	1RB#0	22.07	50	PASS
18(815-824)	5MHz	64QAM	23915	1RB#12	21.85	50	PASS
18(815-824)	5MHz	64QAM	23915	1RB#24	21.93	50	PASS
18(815-824)	5MHz	64QAM	23915	25RB#0	20.54	50	PASS

检验检测专用章
Inspection & Testing Services

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 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 sgs.china@sgs.com

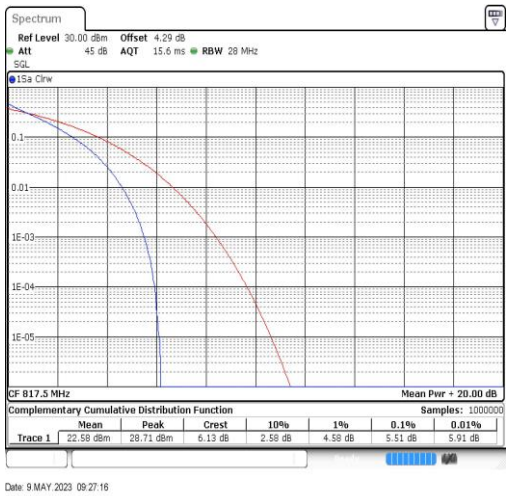
Peak-to-Average Ratio(CCDF)

Test Result

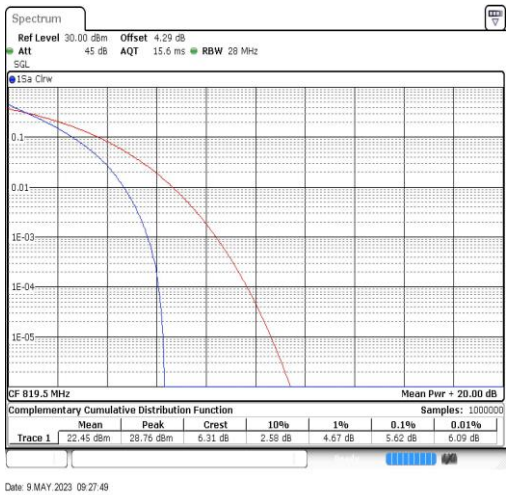
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band18	5MHz	QPSK	23875	25RB#0	5.51	13	PASS
Band18	5MHz	QPSK	23895	25RB#0	5.62	13	PASS
Band18	5MHz	QPSK	23915	25RB#0	5.74	13	PASS
Band18	5MHz	16QAM	23875	25RB#0	6.20	13	PASS
Band18	5MHz	16QAM	23895	25RB#0	6.32	13	PASS
Band18	5MHz	16QAM	23915	25RB#0	6.46	13	PASS
Band18	5MHz	64QAM	23875	25RB#0	6.64	13	PASS
Band18	5MHz	64QAM	23895	25RB#0	6.75	13	PASS
Band18	5MHz	64QAM	23915	25RB#0	6.84	13	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

Test Graphs

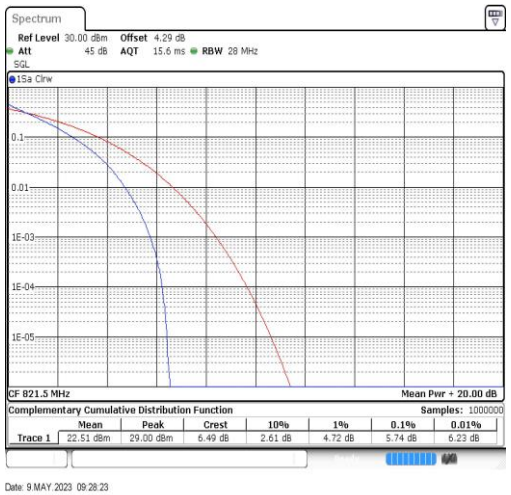


Band18-5MHz-QPSK-23875-25RB#0

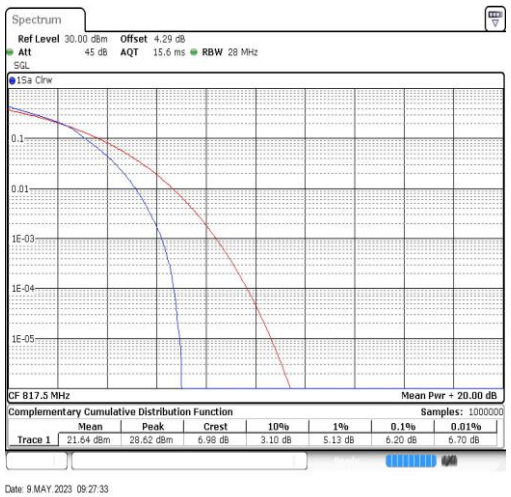


Band18-5MHz-QPSK-23895-25RB#0

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

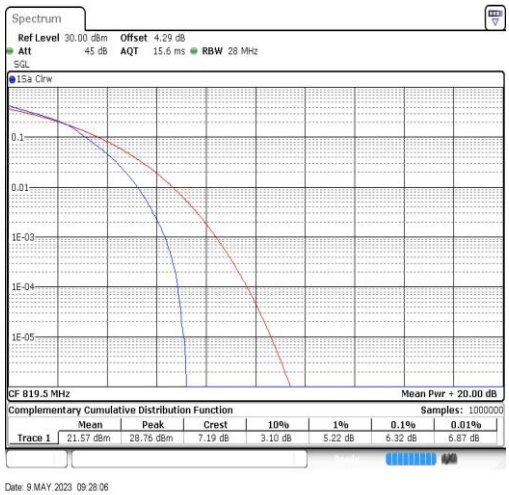


Band18-5MHz-QPSK-23915-25RB#0

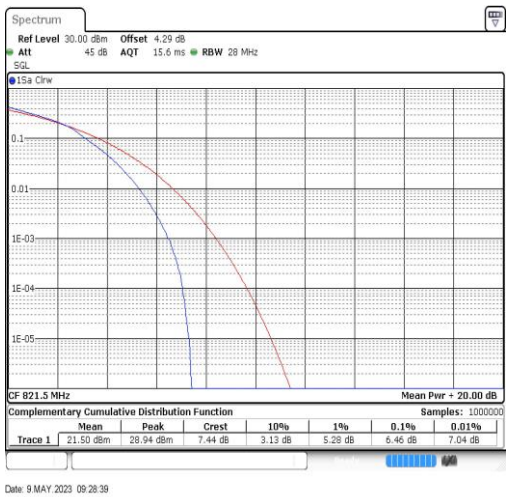


Band18-5MHz-16QAM-23875-25RB#0

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

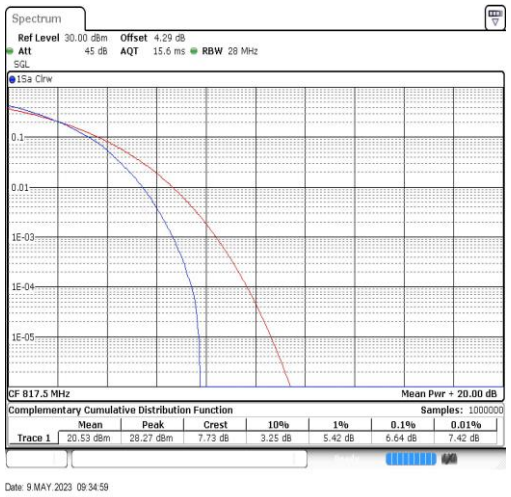


Band18-5MHz-16QAM-23895-25RB#0

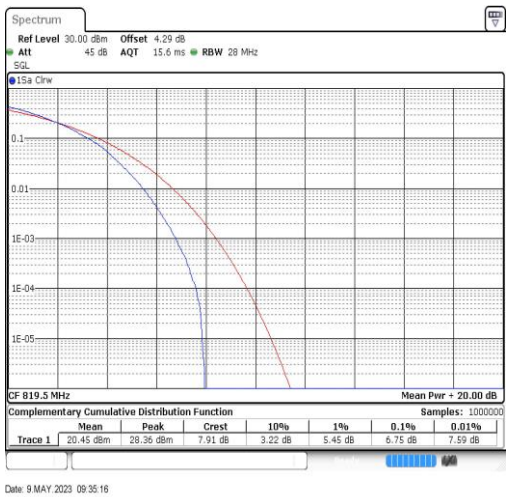


Band18-5MHz-16QAM-23915-25RB#0

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

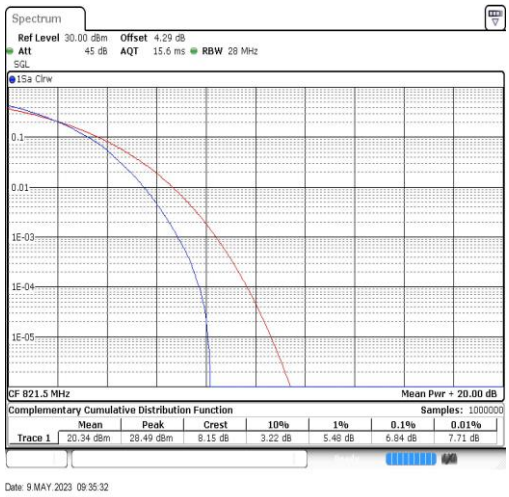


Band18-5MHz-64QAM-23875-25RB#0



Band18-5MHz-64QAM-23895-25RB#0

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



Band18-5MHz-64QAM-23915-25RB#0

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 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 sgs.china@sgs.com

26dB Bandwidth and Occupied Bandwidth

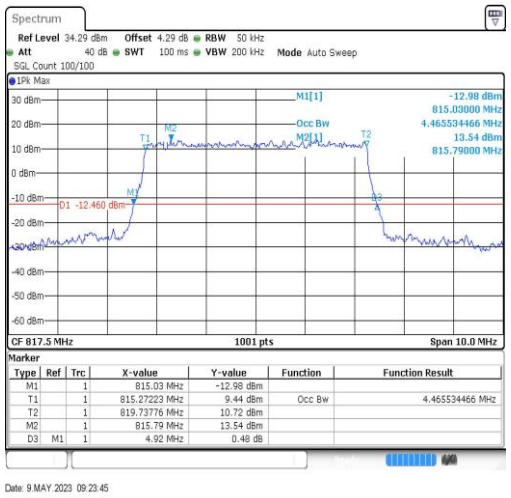
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band18	5MHz	QPSK	23875	25RB#0	4.466	4.92	PASS
Band18	5MHz	QPSK	23895	25RB#0	4.476	4.90	PASS
Band18	5MHz	QPSK	23915	25RB#0	4.476	4.90	PASS
Band18	5MHz	16QAM	23875	25RB#0	4.476	4.91	PASS
Band18	5MHz	16QAM	23895	25RB#0	4.466	4.93	PASS
Band18	5MHz	16QAM	23915	25RB#0	4.466	4.94	PASS
Band18	5MHz	64QAM	23875	25RB#0	4.476	4.91	PASS
Band18	5MHz	64QAM	23895	25RB#0	4.476	4.93	PASS
Band18	5MHz	64QAM	23915	25RB#0	4.476	4.95	PASS

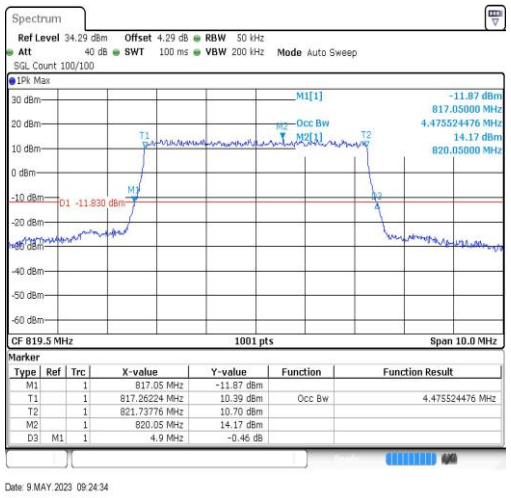
检验检测专用章 Inspection & Testing Services

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 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 sgs.china@sgs.com
Member of the SGS Group (SGS SA)

Test Graphs

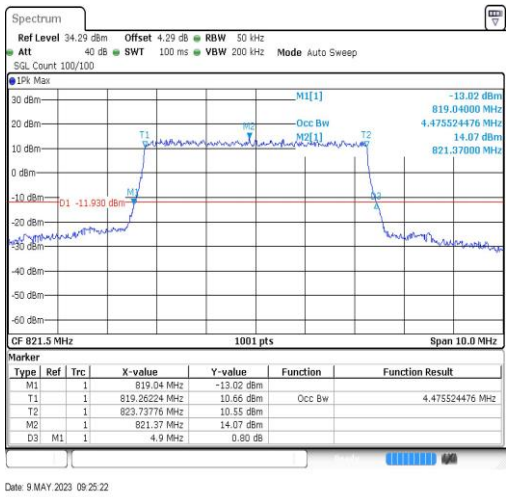


Band18-5MHz-QPSK-23875-25RB#0-4.466

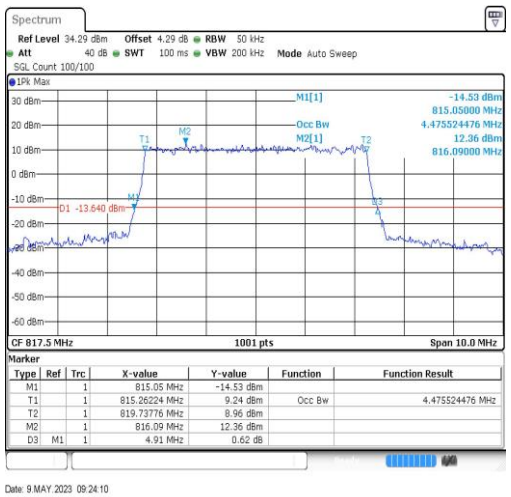


Band18-5MHz-QPSK-23895-25RB#0-4.476

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

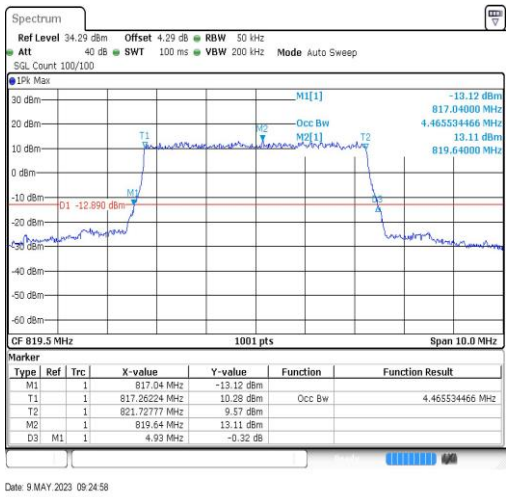


Band18-5MHz-QPSK-23915-25RB#0-4.476

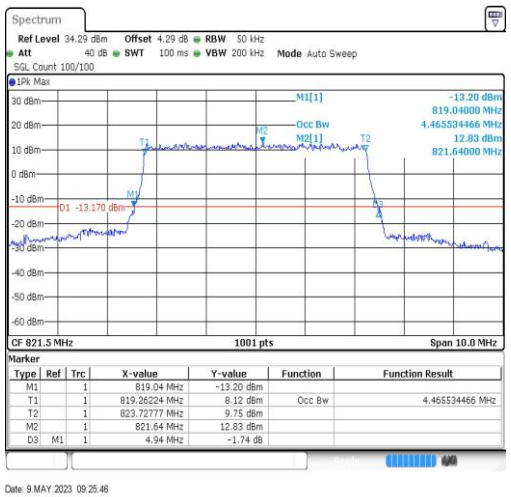


Band18-5MHz-16QAM-23875-25RB#0-4.476

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

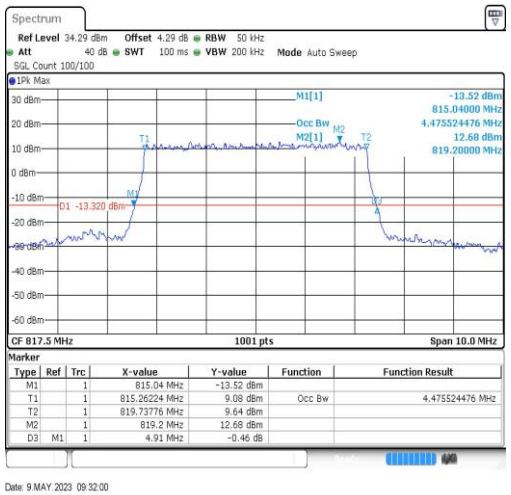


Band18-5MHz-16QAM-23895-25RB#0-4.466

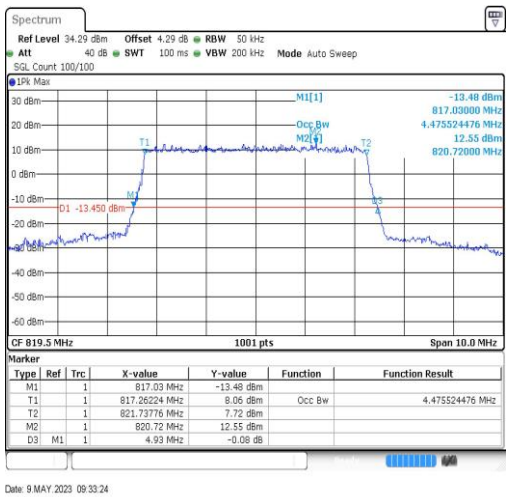


Band18-5MHz-16QAM-23915-25RB#0-4.466

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

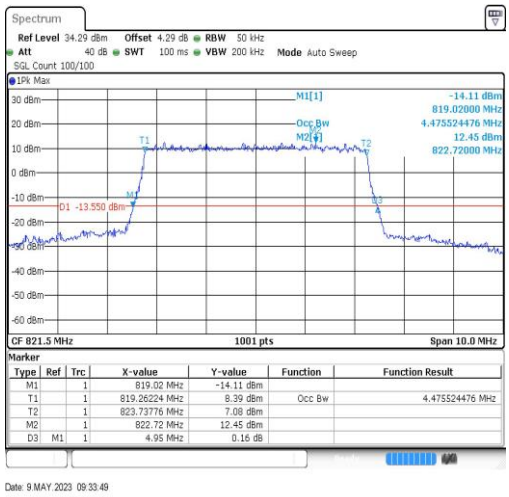


Band18-5MHz-64QAM-23875-25RB#0-4.476



Band18-5MHz-64QAM-23895-25RB#0-4.476

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



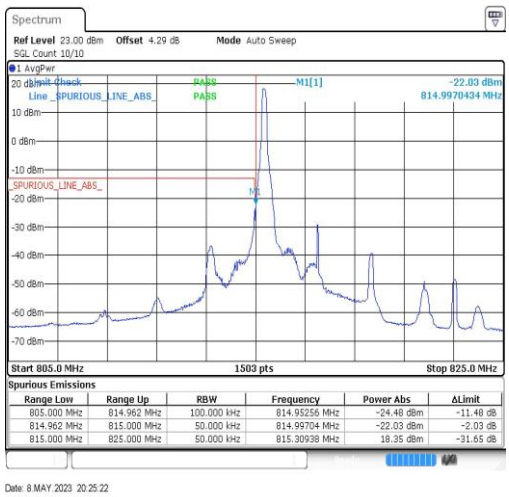
Band18-5MHz-64QAM-23915-25RB#0-4.476

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 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 sgs.china@sgs.com

Band Edge

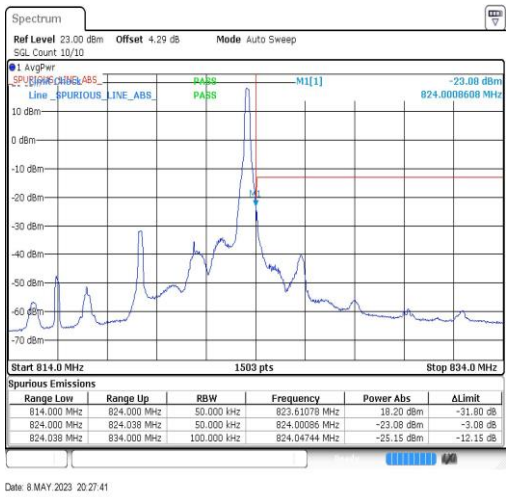
Test Graphs

18(815-824)_Band18_5MHz_QPSK_23875_25RB#0

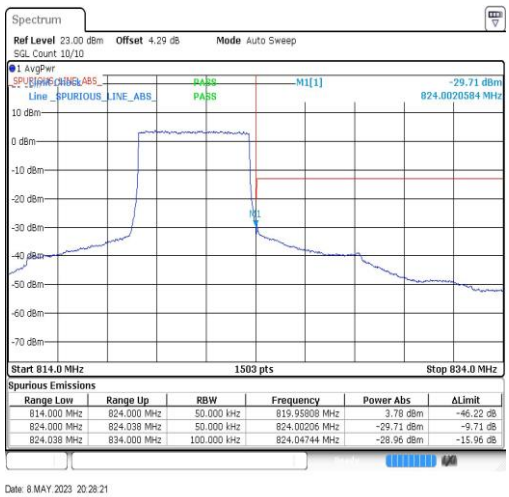


18(815-824)_Band18_5MHz_QPSK_23875_1RB#0

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



18(815-824)_Band18_5MHz_QPSK_23915_1RB#24

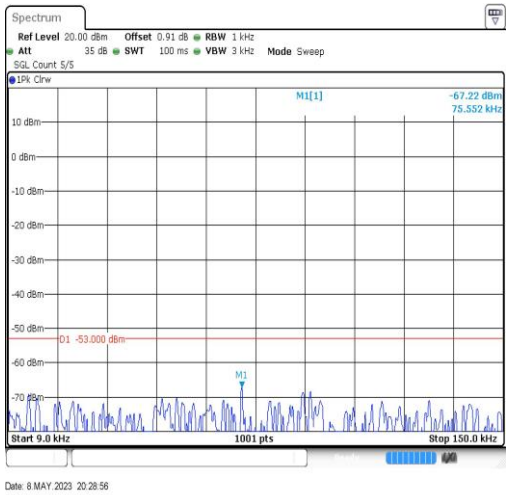


18(815-824)_Band18_5MHz_QPSK_23915_25RB#0

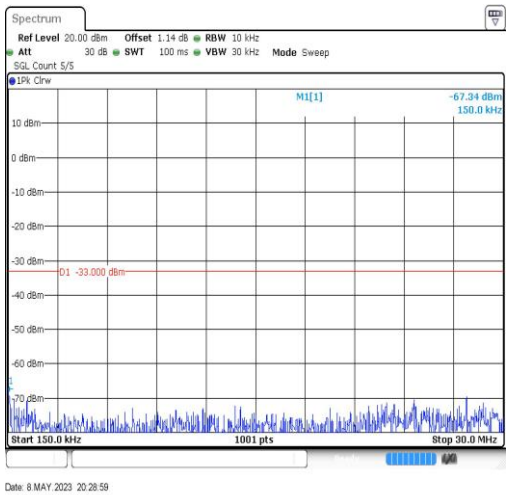
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

Conducted Spurious Emission

Test Graphs

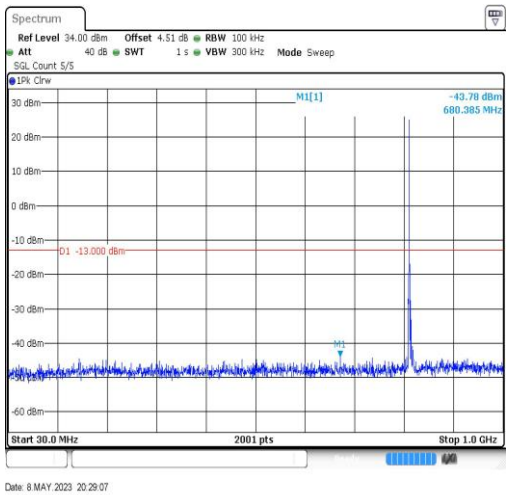


18(815-824)_Band18_5MHz_QPSK_23875_1RB#0_0.009~0.15_0.009~0.15

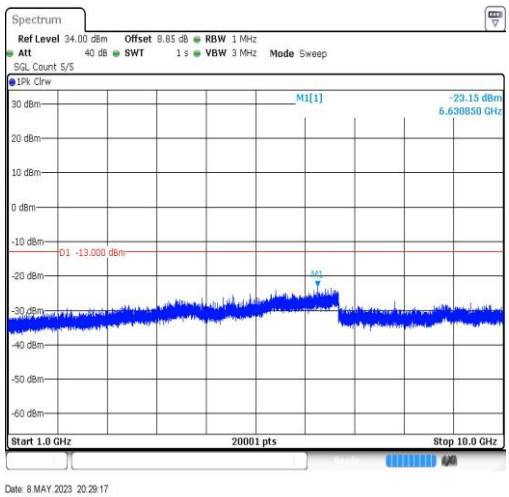


18(815-824)_Band18_5MHz_QPSK_23875_1RB#0_0.15~30_0.15~30

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 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 sgs.china@sgs.com

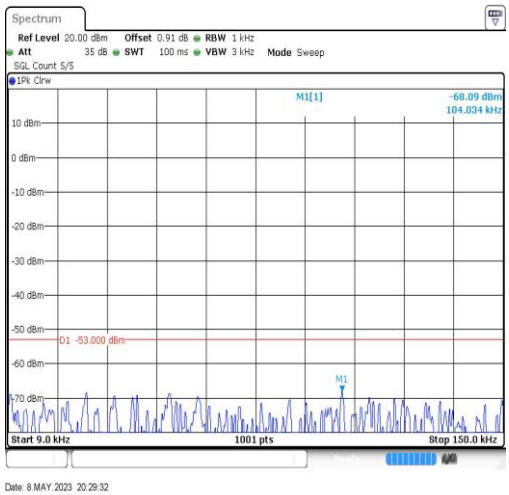


18(815-824)_Band18_5MHz_QPSK_23875_1RB#0_30~1000_30~1000

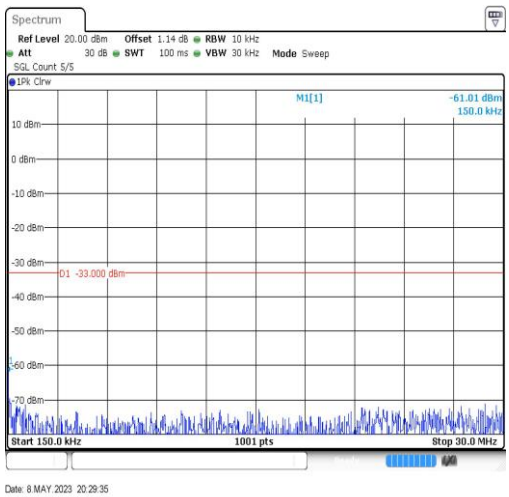


18(815-824)_Band18_5MHz_QPSK_23875_1RB#0_1000~10000_1000~10000

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

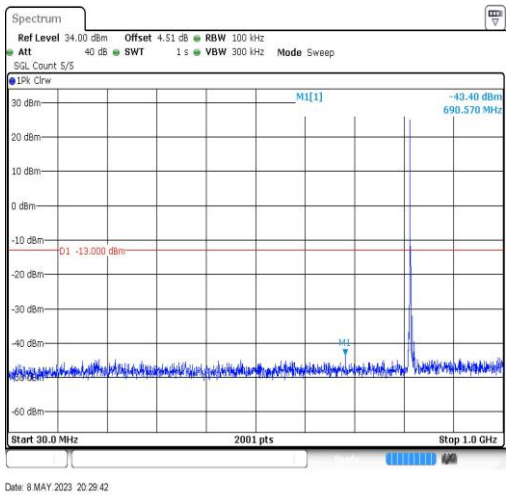


18(815-824)_Band18_5MHz_QPSK_23895_1RB#0_0.009~0.15_0.009~0.15

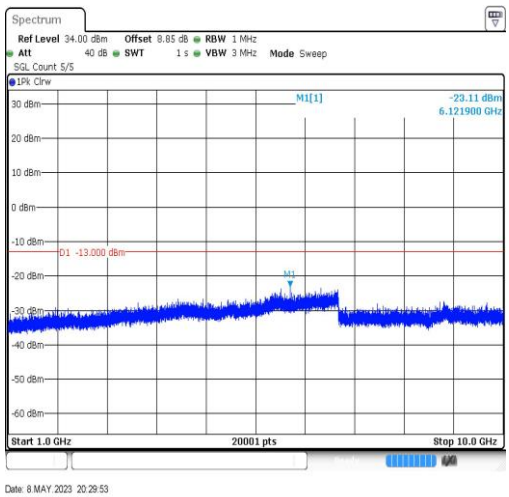


18(815-824)_Band18_5MHz_QPSK_23895_1RB#0_0.15~30_0.15~30

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

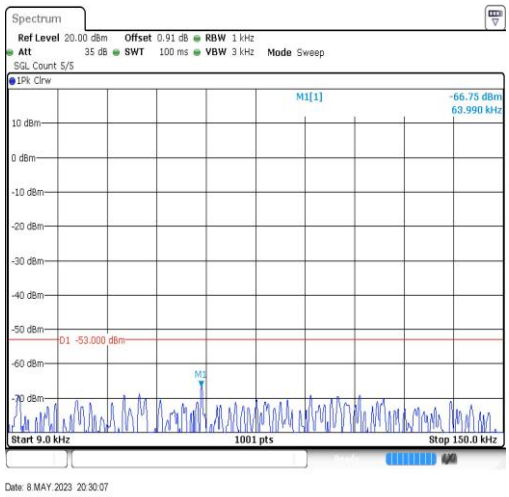


18(815-824)_Band18_5MHz_QPSK_23895_1RB#0_30~1000_30~1000

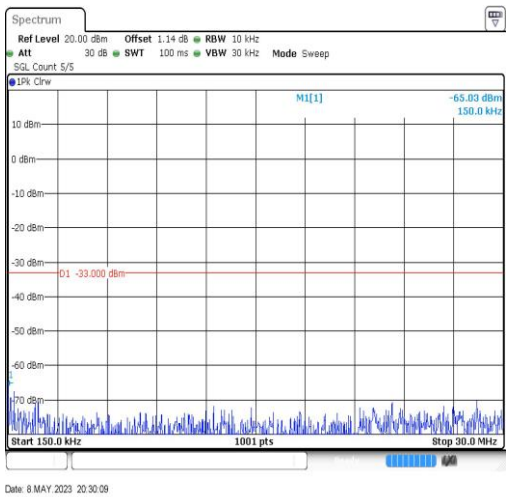


18(815-824)_Band18_5MHz_QPSK_23895_1RB#0_1000~10000_1000~10000

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

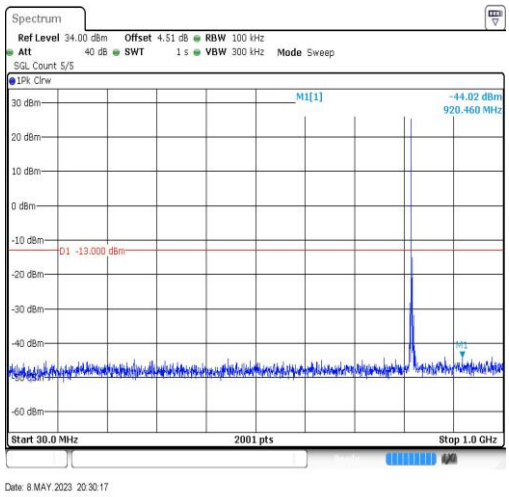


18(815-824)_Band18_5MHz_QPSK_23915_1RB#0_0.009~0.15_0.009~0.15

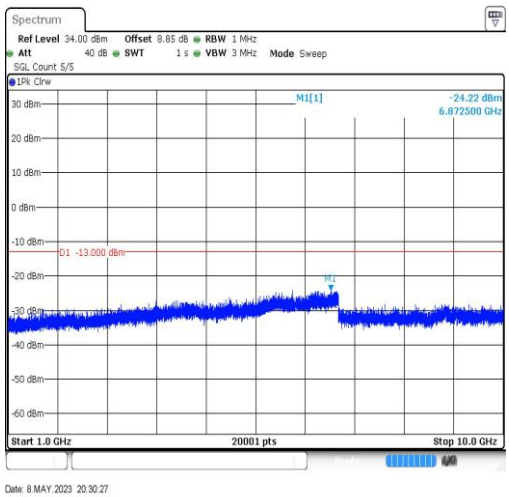


18(815-824)_Band18_5MHz_QPSK_23915_1RB#0_0.15~30_0.15~30

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



18(815-824)_Band18_5MHz_QPSK_23915_1RB#0_30~1000_30~1000



18(815-824)_Band18_5MHz_QPSK_23915_1RB#0_1000~10000_1000~10000

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

Field Strength of Spurious Radiation

Test Band = LTE_18(815-824) _5M_ANT13_TM1
Test Channel = LCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1630.8289	29.77	-19.14	25.86	-58.77	-13.00	45.77	392	232	Horizontal
2	2792.7241	24.93	-16.94	28.61	-58.66	-13.00	45.66	217	106	Horizontal
3	3624.7812	53.31	-49.39	30.30	-61.04	-13.00	48.04	295	266	Horizontal
4	5481.9741	51.15	-45.49	33.21	-56.39	-13.00	43.39	352	246	Horizontal
5	7494.5747	49.72	-43.21	36.61	-52.14	-13.00	39.14	210	227	Horizontal
6	9250.2625	47.55	-41.17	39.10	-49.78	-13.00	36.78	188	187	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1630.5788	29.57	-19.14	25.86	-58.97	-13.00	45.97	113	95	Vertical
2	2640.7051	25.41	-17.59	28.32	-59.12	-13.00	46.12	367	185	Vertical
3	4422.1211	51.64	-48.33	32.07	-59.88	-13.00	46.88	376	354	Vertical
4	6275.4638	50.85	-45.32	34.55	-55.18	-13.00	42.18	190	76	Vertical
5	7881.3441	49.29	-43.43	37.29	-52.11	-13.00	39.11	170	55	Vertical
6	9010.1505	48.34	-41.69	38.78	-49.83	-13.00	36.83	198	252	Vertical

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 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 sgs.china@sgs.com

Test Band = LTE_18(815-824) _5M_ANT13_TM1
Test Channel = MCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1634.5793	32.05	-19.11	25.87	-56.45	-13.00	43.45	268	66	Horizontal
2	2451.9315	24.68	-17.72	27.90	-60.40	-13.00	47.40	198	74	Horizontal
3	3920.196	52.95	-49.06	30.72	-60.65	-13.00	47.65	394	133	Horizontal
4	5819.741	51.33	-45.63	34.10	-55.46	-13.00	42.46	260	232	Horizontal
5	7480.574	49.37	-43.31	36.64	-52.56	-13.00	39.56	313	65	Horizontal
6	9252.3626	47.70	-41.21	39.09	-49.68	-13.00	36.68	241	153	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1634.5793	31.24	-19.11	25.87	-57.26	-13.00	44.26	168	92	Vertical
2	2385.6732	24.85	-17.83	27.83	-60.41	-13.00	47.41	172	132	Vertical
3	3614.6307	53.14	-49.49	30.26	-61.35	-13.00	48.35	111	241	Vertical
4	5125.3063	51.02	-47.12	33.55	-57.81	-13.00	44.81	249	325	Vertical
5	7137.9069	49.24	-44.01	37.05	-52.98	-13.00	39.98	234	202	Vertical
6	9483.3742	47.72	-41.45	39.13	-49.86	-13.00	36.86	180	207	Vertical

检验检测专用章 Inspection & Testing Services

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 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 sgs.china@sgs.com

Test Band = LTE_18(815-824) _5M_ANT13_TM1
Test Channel = HCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1638.5798	31.15	-19.09	25.88	-57.32	-13.00	44.32	212	203	Horizontal
2	2457.9322	26.44	-17.77	27.92	-58.67	-13.00	45.67	133	73	Horizontal
3	3633.5317	52.62	-49.30	30.33	-61.61	-13.00	48.61	369	330	Horizontal
4	4904.0952	51.71	-47.53	33.11	-57.97	-13.00	44.97	124	285	Horizontal
5	6935.5968	50.08	-44.58	36.34	-53.42	-13.00	40.42	252	20	Horizontal
6	8558.2779	48.97	-42.33	38.95	-49.67	-13.00	36.67	336	158	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1638.8299	30.59	-19.09	25.88	-57.88	-13.00	44.88	359	92	Vertical
2	2405.6757	24.86	-17.51	27.81	-60.10	-13.00	47.10	110	2	Vertical
3	4009.8005	52.26	-49.12	31.06	-61.06	-13.00	48.06	372	0	Vertical
4	5269.8635	50.88	-46.56	33.32	-57.62	-13.00	44.62	389	354	Vertical
5	7151.2076	50.00	-44.09	37.10	-52.25	-13.00	39.25	388	74	Vertical
6	9022.4011	49.05	-41.75	38.76	-49.20	-13.00	36.20	211	54	Vertical

检验检测专用章 Inspection & Testing Services

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 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 sgs.china@sgs.com
Member of the SGS Group (SGS SA)

Test Band = LTE_18(815-824)_5M_ANT31 _TM1
Test Channel = LCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1483.0604	23.21	-18.93	25.63	-65.35	-13.00	52.35	247	239	Horizontal
2	2202.9004	24.10	-17.85	27.69	-61.32	-13.00	48.32	384	358	Horizontal
3	3639.132	52.62	-49.25	30.36	-61.53	-13.00	48.53	123	287	Horizontal
4	4914.5957	50.85	-47.44	33.13	-58.72	-13.00	45.72	210	99	Horizontal
5	6969.5485	49.09	-44.38	36.44	-54.11	-13.00	41.11	390	252	Horizontal
6	9015.4008	47.35	-41.72	38.77	-50.86	-13.00	37.86	351	222	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1533.3167	23.13	-19.09	25.80	-65.42	-13.00	52.42	124	239	Vertical
2	2119.64	24.25	-18.51	27.46	-62.06	-13.00	49.06	305	330	Vertical
3	3545.6773	52.60	-49.64	30.07	-62.23	-13.00	49.23	321	272	Vertical
4	4910.0455	50.85	-47.48	33.12	-58.77	-13.00	45.77	357	6	Vertical
5	6780.189	49.47	-44.60	36.26	-54.13	-13.00	41.13	131	218	Vertical
6	7456.0728	48.80	-43.50	36.69	-53.27	-13.00	40.27	240	130	Vertical

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 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 sgs.china@sgs.com
Member of the SGS Group (SGS SA)

Test Band = LTE_18(815-824)_5M_ANT31 _TM1
Test Channel = MCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1473.5592	23.09	-18.98	25.65	-65.50	-13.00	52.50	357	269	Horizontal
2	2264.158	24.41	-18.14	27.53	-61.46	-13.00	48.46	213	34	Horizontal
3	3631.7816	52.78	-49.32	30.33	-61.47	-13.00	48.47	255	30	Horizontal
4	4397.6199	51.40	-48.47	32.19	-60.14	-13.00	47.14	387	177	Horizontal
5	6512.7756	48.99	-44.33	35.13	-55.47	-13.00	42.47	320	177	Horizontal
6	8987.3994	46.84	-41.76	38.72	-51.46	-13.00	38.46	189	127	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1437.0546	23.06	-19.18	25.73	-65.65	-13.00	52.65	156	107	Vertical
2	2196.3996	23.66	-17.90	27.68	-61.82	-13.00	48.82	232	356	Vertical
3	3754.6377	52.15	-49.38	30.50	-61.99	-13.00	48.99	297	275	Vertical
4	5489.3245	50.16	-45.48	33.16	-57.42	-13.00	44.42	339	256	Vertical
5	7375.5688	49.15	-44.04	36.85	-53.30	-13.00	40.30	361	360	Vertical
6	9020.301	47.40	-41.74	38.76	-50.84	-13.00	37.84	246	236	Vertical

检验检测专用章 Inspection & Testing Services

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 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 sgs.china@sgs.com

Test Band = LTE_18(815-824)_5M_ANT31 _TM1
Test Channel = HCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1779.0974	25.12	-19.16	25.62	-63.68	-13.00	50.68	135	23	Horizontal
2	2763.9705	24.78	-17.14	28.67	-58.95	-13.00	45.95	199	239	Horizontal
3	4410.2205	51.42	-48.40	32.14	-60.10	-13.00	47.10	216	262	Horizontal
4	5802.2401	49.51	-45.52	34.10	-57.17	-13.00	44.17	229	110	Horizontal
5	7471.4736	48.48	-43.38	36.66	-53.50	-13.00	40.50	239	164	Horizontal
6	9033.6017	47.22	-41.80	38.73	-51.11	-13.00	38.11	258	51	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1483.0604	23.19	-18.93	25.63	-65.37	-13.00	52.37	261	200	Vertical
2	2124.8906	24.29	-18.55	27.45	-62.07	-13.00	49.07	123	89	Vertical
3	3622.3311	52.82	-49.42	30.29	-61.57	-13.00	48.57	322	183	Vertical
4	5700.735	49.27	-44.74	33.51	-57.22	-13.00	44.22	142	74	Vertical
5	7471.1236	48.98	-43.38	36.66	-53.00	-13.00	40.00	166	290	Vertical
6	9041.3021	47.33	-41.83	38.72	-51.04	-13.00	38.04	298	217	Vertical

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 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 sgs.china@sgs.com
Member of the SGS Group (SGS SA)

Test on the worst case:

Test Band = _LTE Band 18(815-824) _5M ANT13 _TM1
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1638.5	67.35	-52.98	25.88	-55.01	-13.00	42.01	Horizontal
2	2302.5	54.11	-51.77	27.62	-65.30	-13.00	52.30	Horizontal
3	3583	52.98	-49.32	30.17	-61.43	-13.00	48.43	Horizontal
4	5142	52.44	-44.28	33.58	-53.52	-13.00	40.52	Horizontal
5	7367	50.06	-42.70	36.87	-51.03	-13.00	38.03	Horizontal
6	9509	49.44	-40.11	39.18	-46.75	-13.00	33.75	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1638.5	65.81	-52.98	25.88	-56.55	-13.00	43.55	Vertical
2	2738.5	53.23	-50.69	28.65	-64.07	-13.00	51.07	Vertical
3	3283	53.12	-49.78	30.67	-61.25	-13.00	48.25	Vertical
4	5147.5	52.08	-44.31	33.60	-53.89	-13.00	40.89	Vertical
5	6761	49.99	-43.84	36.22	-52.89	-13.00	39.89	Vertical
6	9464.5	49.48	-40.14	39.06	-46.86	-13.00	33.86	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

检验检测专用章 Inspection & Testing Services

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 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 sgs.china@sgs.com
Member of the SGS Group (SGS SA)

Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band18	5MHz	QPSK	23895	25RB#0	VN	NT	0.50	0.000610	PASS
Band18	5MHz	QPSK	23895	25RB#0	VL	NT	3.80	0.004637	PASS
Band18	5MHz	QPSK	23895	25RB#0	VH	NT	1.30	0.001586	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band18	5MHz	QPSK	23895	25RB#0	NV	-30	2.70	0.003295	PASS
Band18	5MHz	QPSK	23895	25RB#0	NV	-20	0.40	0.000488	PASS
Band18	5MHz	QPSK	23895	25RB#0	NV	-10	-0.90	-0.001098	PASS
Band18	5MHz	QPSK	23895	25RB#0	NV	0	-0.70	-0.000854	PASS
Band18	5MHz	QPSK	23895	25RB#0	NV	10	-0.30	-0.000366	PASS
Band18	5MHz	QPSK	23895	25RB#0	NV	20	-0.40	-0.000488	PASS
Band18	5MHz	QPSK	23895	25RB#0	NV	30	1.90	0.002318	PASS
Band18	5MHz	QPSK	23895	25RB#0	NV	40	3.00	0.003661	PASS
Band18	5MHz	QPSK	23895	25RB#0	NV	50	1.20	0.001464	PASS

---End of Attachment---

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