

Appendix A-RF Output Power and Amplifier Gain

Test Data:

FDD LTE Band 66									
Mode	Operation Band	Frequency F ₀ (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	Output Power (dBm)		Total Output Power (dBm)	Gain (dB)
						Ant 1	Ant 2		
SISO Mode									
Downlink	2110MHz ~2200MHz	2168.0725MHz	AWGN	Pre-AGC	0	42.23	--	42.23	42.23
				3dB Above AGC	3	42.87	--	42.87	/
		2168.0725MHz	GSM	Pre-AGC	0	42.31	--	42.31	42.31
				3dB Above AGC	3	42.98	--	42.98	/
MIMO Mode									
Downlink	2110MHz ~2200MHz	2168.0725MHz	AWGN	Pre-AGC	0	42.23	42.18	45.22	/
				3dB Above AGC	3	42.87	42.67	45.78	/
		2168.0725MHz	GSM	Pre-AGC	0	42.31	42.24	45.29	/
				3dB Above AGC	3	42.98	42.67	45.84	/
Remark: EIRP of the EUT is 57.84dBm which is less than the EIRP limit of which is 1640W/MHz. The EUT supports SISO working mode. Each antenna can be used as SISO working port. We only present the worst result, the test data of ant 1 port. This EUT supports 2*2 MIMO. For MIMO mode the output signals are considered completely uncorrelated, so the antenna gain is 12dBi.									



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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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

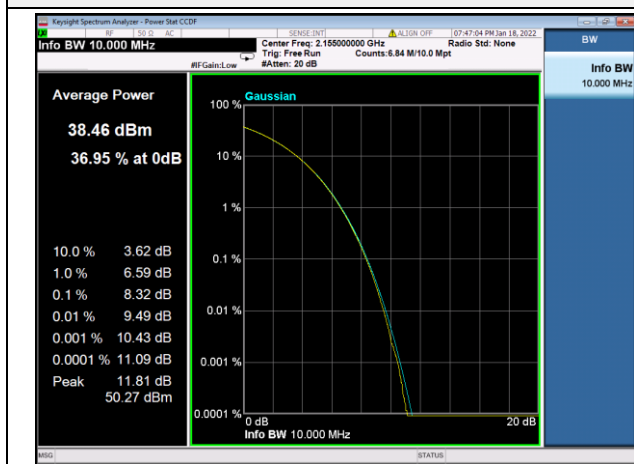
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Mode	Operation Band	Frequency (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	PAPR (dB)	Limit (dB)
FDD LTE Band 66							
Downlink	2110MHz ~2200MHz	2155.0MHz	AWGN	Pre-AGC	-5	8.32	13.0
				3dB Above AGC	-2	8.20	13.0
		2155.0MHz	GSM	Pre-AGC	-5	0.09	13.0
				3dB Above AGC	-2	0.08	13.0

FDD LTE Band 66 _ AWGN

Pre-AGC

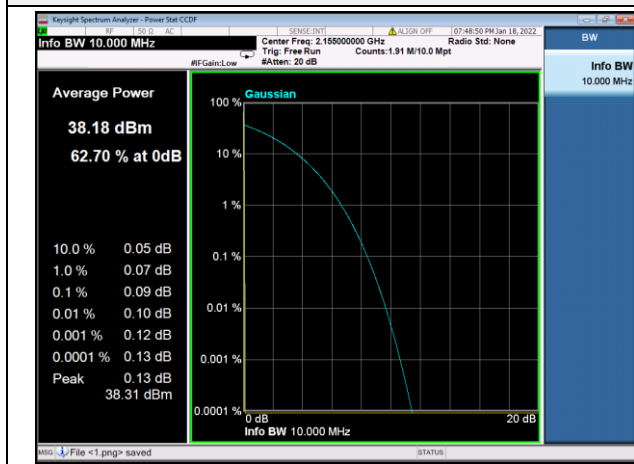


3dB Above AGC

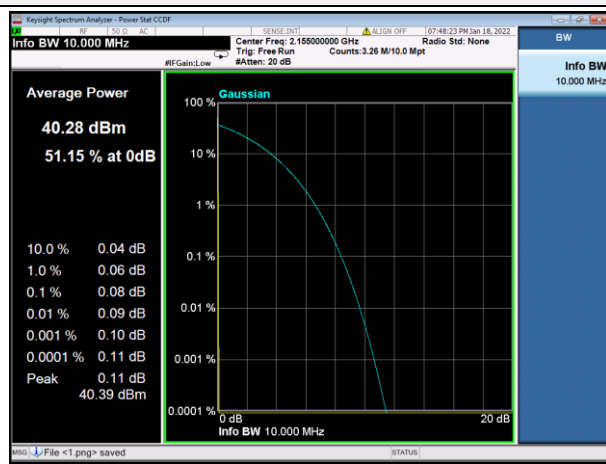


FDD LTE Band 66 _ GSM

Pre-AGC



3dB Above AGC



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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com