

Appendix A-RF Output Power and Amplifier Gain

Test Data:

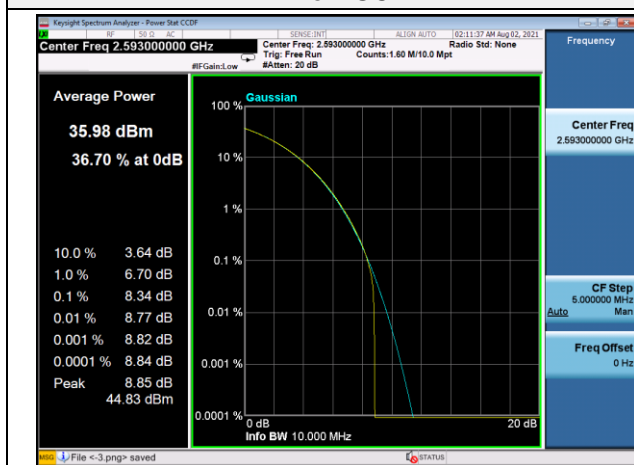
TDD LTE Band 41											
Mode	Operation Band	Frequency (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	Output Power (dBm)				Total Output Power (dBm)	Gain (dB)
						Ant 1	Ant 2	Ant 3	Ant 4		
SISO Mode											
Downlink	2496MHz ~2690MHz	2593.0 MHz	AWGN	Pre-AGC	0	36.61	--	--	--	36.61	36.61
				3dB Above AGC	3	36.92	--	--	--	36.92	/
		2593.0 MHz	GSM	Pre-AGC	0	36.49	--	--	--	36.49	36.49
				3dB Above AGC	3	36.78	--	--	--	36.78	/
MIMO Mode											
Downlink	2496MHz ~2690MHz	2593.0 MHz	AWGN	Pre-AGC	0	36.61	36.54	36.53	36.54	42.58	/
				3dB Above AGC	3	36.92	36.86	36.92	36.82	42.90	/
		2593.0 MHz	GSM	Pre-AGC	0	36.49	36.15	36.48	36.45	42.42	/
				3dB Above AGC	3	36.78	36.45	36.57	36.64	42.63	/
Remark: The limit of the Output Power is 37dBm (±2dB). EIRP of the EUT is 48.90dBm which is less than the EIRP limit of which is: 33 dBW + 10 log(X/Y) dBW + 10 log(360/beamwidth) dBW. where X is the actual channel width in MHz, Y is either (i) 6 MHz if prior to transition or the station is in the MBS following transition or (ii) 5.5 MHz if the station is in the LBS and UBS following transition, and beamwidth is the total horizontal plane beamwidth of the individual transmitting antenna for the station or any sector measured at the half-power points. 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 also supports 4*4 MIMO.											



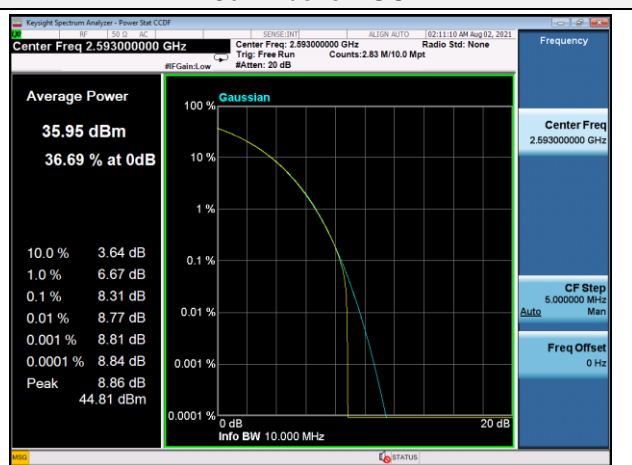
Mode	Operation Band	Frequency (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	PAPR (dB)	Limit (dB)
TDD LTE Band 41							
Downlink	2496MHz ~2690MHz	2593.0MHz	AWGN	Pre-AGC	0	8.34	13.0
				3dB Above AGC	3	8.31	13.0
		2593.0MHz	GSM	Pre-AGC	0	0.11	13.0
				3dB Above AGC	3	0.10	13.0

FDD LTE Band 41 _ AWGN

Pre-AGC

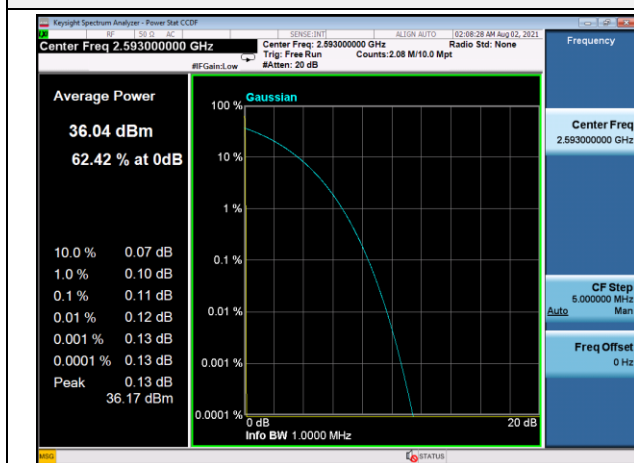


3dB Above AGC

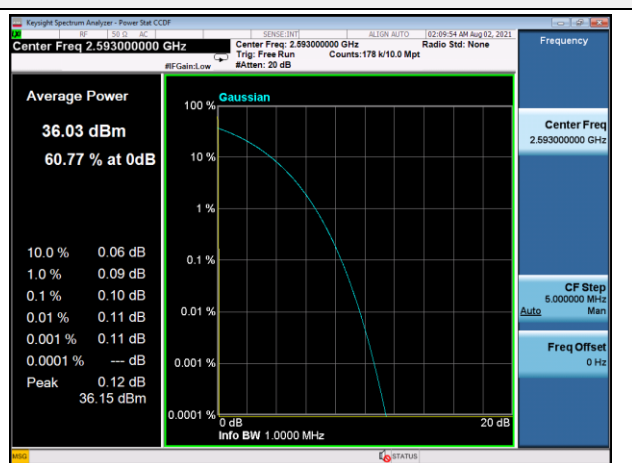


FDD LTE Band 41 _ GSM

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