

Appendix A-RF Output Power and Amplifier Gain
Test Data:

FDD LTE Band 13											
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	746MHz ~756MHz	751.0MHz	AWGN	Pre-AGC	0	16.99	--	--	--	16.99	16.99
				3dB Above AGC	3	17.11	--	--	--	17.11	/
		751.0MHz	GSM	Pre-AGC	0	17.63	--	--	--	17.63	17.63
				3dB Above AGC	3	17.32	--	--	--	17.32	/
MIMO Mode											
Downlink	746MHz ~756MHz	751.0MHz	AWGN	Pre-AGC	0	16.99	16.83	16.70	16.53	22.79	/
				3dB Above AGC	3	17.11	17.01	16.79	16.52	22.88	/
		751.0MHz	GSM	Pre-AGC	0	17.63	17.59	17.57	17.35	23.56	/
				3dB Above AGC	3	17.32	17.22	17.02	16.89	23.14	/
Remark: ERP of the EUT is 24.41dBm which is less than the ERP limit of which is 1000.0W. This EUT supports 4*4 MIMO. For MIMO mode the output signals are considered completely uncorrelated, so the antenna gain is 3dBi.											



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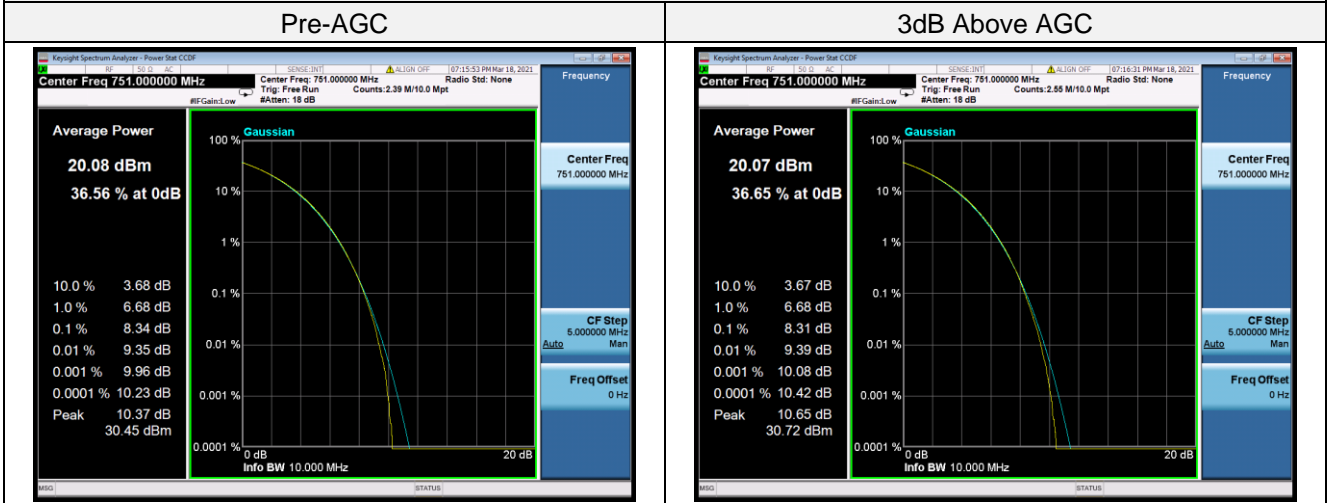
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 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

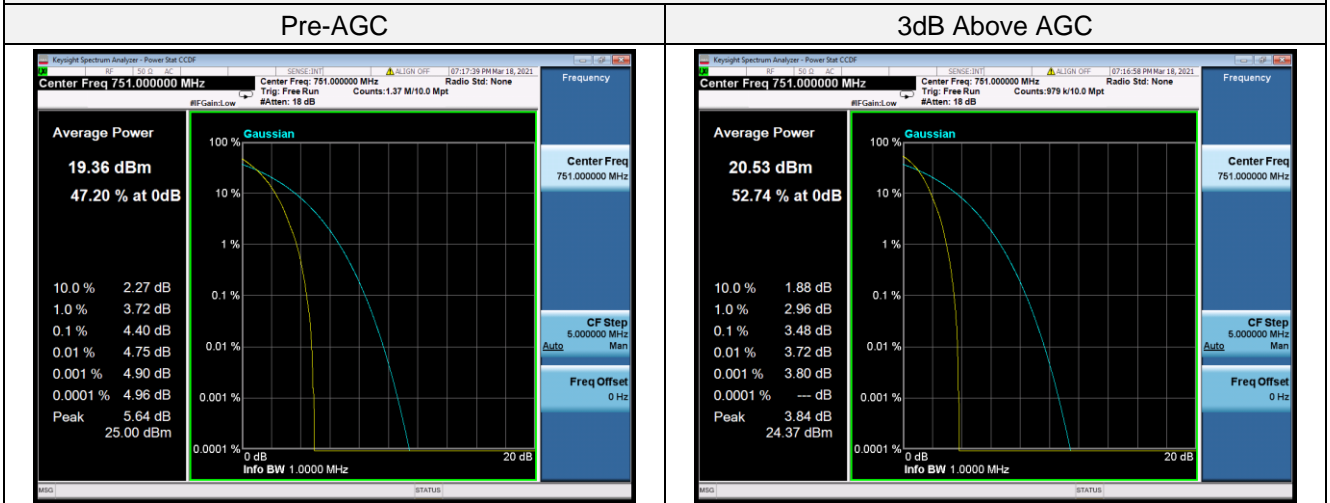
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Mode	Operation Band	Frequency (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	PAPR (dB)	Limit (dB)
FDD LTE Band 13							
Downlink	746MHz ~756MHz	751.0MHz	AWGN	Pre-AGC	0	8.34	13.0
				3dB Above AGC	3	8.31	13.0
		751.0MHz	GSM	Pre-AGC	0	4.40	13.0
				3dB Above AGC	3	3.48	13.0

FDD LTE Band 13 _ AWGN



FDD LTE Band 13 _ GSM



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 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