

## Appendix A-RF Output Power and Amplifier Gain

## Test Data:

FDD LTE Band 71											
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	617MHz ~652MHz	634.5MHz	AWGN	Pre-AGC	0	17.18	--	--	--	17.18	17.18
				3dB Above AGC	3	17.21	--	--	--	17.21	/
		634.5MHz	GSM	Pre-AGC	0	17.35	--	--	--	17.35	17.35
				3dB Above AGC	3	17.26	--	--	--	17.26	/
MIMO Mode											
Downlink	617MHz ~652MHz	634.5MHz	AWGN	Pre-AGC	0	17.18	17.13	17.10	16.91	23.10	/
				3dB Above AGC	3	17.21	17.02	16.83	16.83	23.00	/
		634.5MHz	GSM	Pre-AGC	0	17.35	17.19	17.44	17.41	23.37	/
				3dB Above AGC	3	17.26	17.15	16.95	16.87	23.08	/
Remark: EIRP of the EUT is 26.37dBm which is less than the EIRP 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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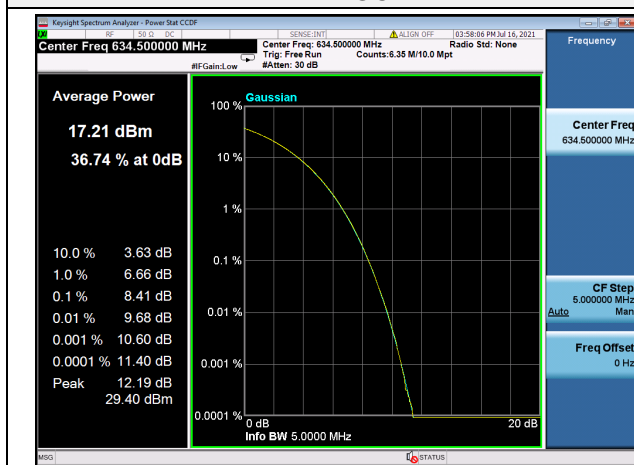
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

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

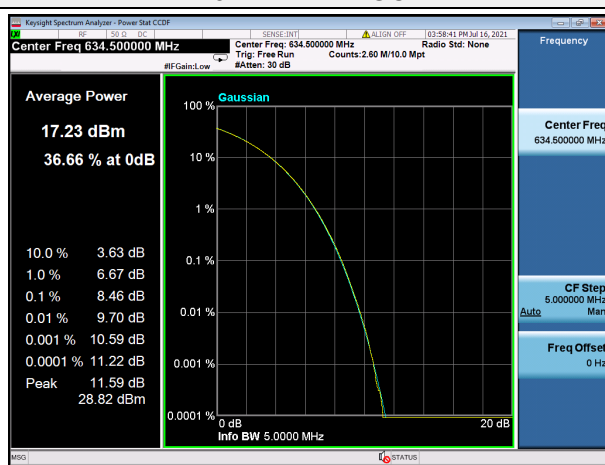
Mode	Operation Band	Frequency (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	PAPR (dB)	Limit (dB)
FDD LTE Band 71							
Downlink	617MHz ~652MHz	634.5MHz	AWGN	Pre-AGC	0	8.41	13.0
				3dB Above AGC	3	8.46	13.0
		634.5MHz	GSM	Pre-AGC	0	0.10	13.0
				3dB Above AGC	3	0.10	13.0

## FDD LTE Band 71 \_ AWGN

## Pre-AGC

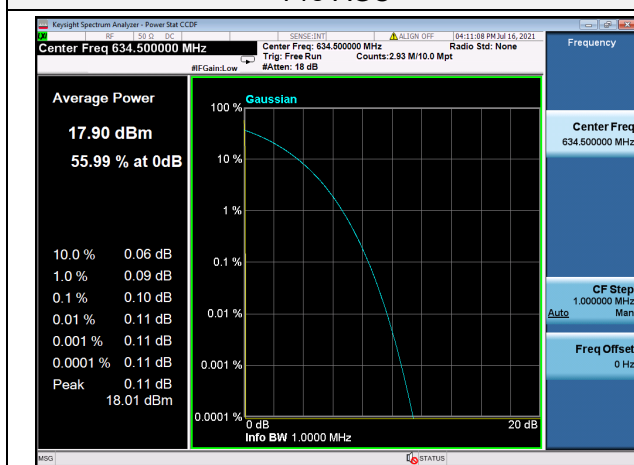


## 3dB Above AGC



## FDD LTE Band 71 \_ GSM

## Pre-AGC



## 3dB Above AGC



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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