

Appendix A - RF Output Power and Amplifier Gain

Test Data:

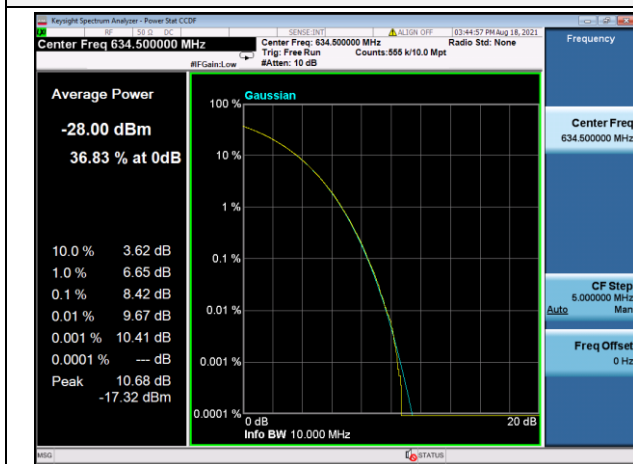
FDD LTE Band 25									
Mode	Operation Band	Frequency (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	Output Power (dBm)		Total Output Power (dBm)	Gain (dB)
						Ant 1	Ant 2		
SISO Mode									
Downlink	1930MHz ~1995MHz	1962.5MHz	AWGN	Pre-AGC	0	42.26	--	42.26	42.26
				3dB Above AGC	3	42.41	--	42.41	/
		1962.5MHz	GSM	Pre-AGC	0	42.11	--	42.11	42.11
				3dB Above AGC	3	42.17	--	42.17	/
MIMO Mode									
Downlink	1930MHz ~1995MHz	1962.5MHz	AWGN	Pre-AGC	0	42.26	42.42	45.35	/
				3dB Above AGC	3	42.41	42.44	45.44	/
		1962.5MHz	GSM	Pre-AGC	0	42.11	42.1	45.12	/
				3dB Above AGC	3	42.17	42.21	45.20	/
<p>Remark: EIRP of the EUT is 57.94dBm which is less than the EIRP limit of which is 1640.0W/MHz.</p> <p>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.</p> <p>This EUT also supports 2*2 MIMO.</p> <p>For MIMO mode the output signals are considered completely uncorrelated, so the antenna gain is 12.5dBi.</p>									



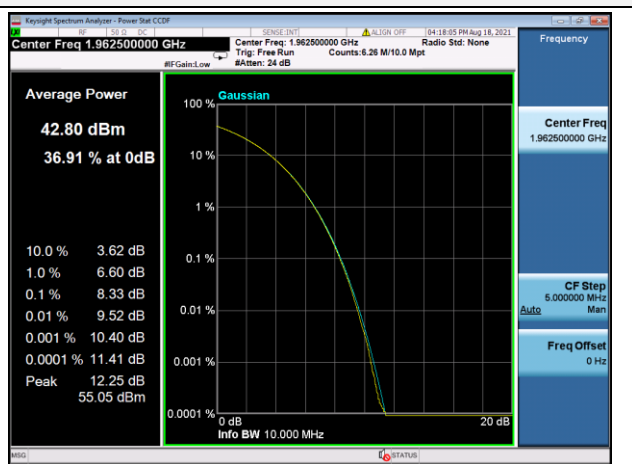
Mode	Operation Band	Frequency (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	PAPR (dB)	Limit (dB)
FDD LTE Band 25							
Downlink	1930MHz ~1995MHz	1962.5MHz	AWGN	Pre-AGC	0	8.42	13.0
				3dB Above AGC	3	8.33	13.0
		1962.5MHz	GSM	Pre-AGC	0	0.07	13.0
				3dB Above AGC	3	0.07	13.0

FDD LTE Band 25 _ AWGN

Pre-AGC

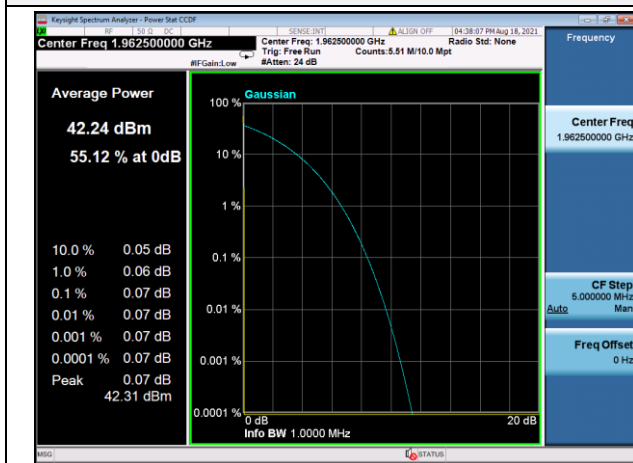


3dB Above AGC

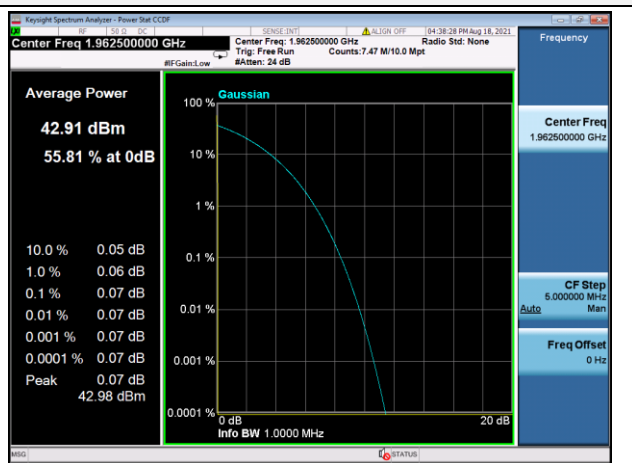


FDD LTE Band 25 _ GSM

Pre-AGC



3dB Above AGC



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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