

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		
SISO Mode									
Downlink	617MHz ~652MHz	634.5MHz	AWGN	Pre-AGC	0	42.33	--	42.33	42.33
				3dB Above AGC	3	42.51	--	42.51	/
		634.5MHz	GSM	Pre-AGC	0	42.07	--	42.07	42.07
				3dB Above AGC	3	42.15	--	42.15	/
MIMO Mode									
Downlink	617MHz ~652MHz	634.5MHz	AWGN	Pre-AGC	0	42.33	42.35	45.35	/
				3dB Above AGC	3	42.51	42.55	45.54	/
		634.5MHz	GSM	Pre-AGC	0	42.07	42.17	45.13	/
				3dB Above AGC	3	42.15	42.01	45.09	/
Remark: EIRP of the EUT is 58.04dBm which is less than the EIRP limit of which is 30.0W. 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 2*2 MIMO. For MIMO mode the output signals are considered completely uncorrelated, so the antenna gain is 12.5dBi.									



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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	8.38	13.0
				3dB Above AGC	3	8.34	13.0
		634.5MHz	GSM	Pre-AGC	0	0.06	13.0
				3dB Above AGC	3	0.07	13.0



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