

Appendix A-RF Output Power and Amplifier Gain

Test Data:

FDD LTE Band 66											
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	2110MHz ~2200MHz	2155.0MHz	AWGN	Pre-AGC	0	19.96	--	--	--	19.96	19.96
				3dB Above AGC	3	19.91	--	--	--	19.91	/
		2155.0MHz	GSM	Pre-AGC	0	20.68	--	--	--	20.68	20.68
				3dB Above AGC	3	20.65	--	--	--	20.65	/
MIMO Mode											
Downlink	2110MHz ~2200MHz	2155.0MHz	AWGN	Pre-AGC	0	19.96	19.92	19.67	19.46	25.78	/
				3dB Above AGC	3	19.91	19.82	19.57	19.33	25.68	/
		2155.0MHz	GSM	Pre-AGC	0	20.68	20.62	20.57	20.71	26.67	/
				3dB Above AGC	3	20.65	20.54	20.29	20.06	26.41	/
Remark: EIRP of the EUT is 29.67dBm 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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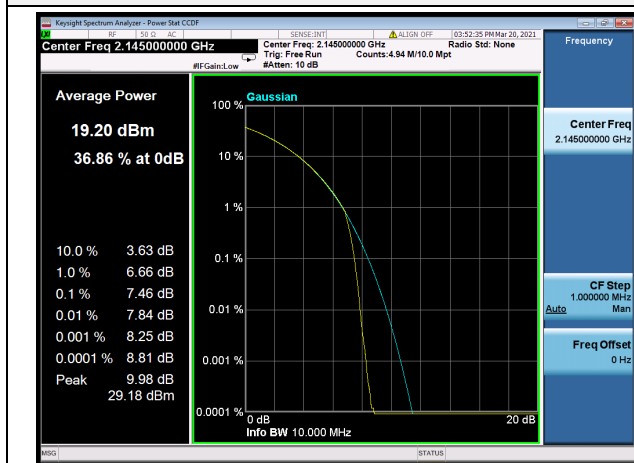
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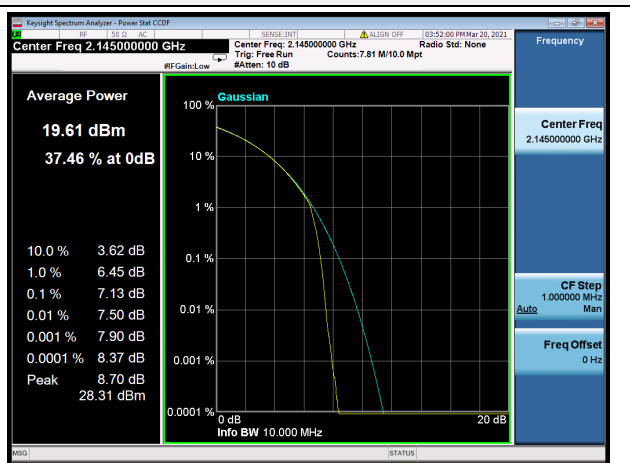
Mode	Operation Band	Frequency (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	PAPR (dB)	Limit (dB)
FDD LTE Band 66							
Downlink	2110MHz ~2200MHz	2155.0MHz	AWGN	Pre-AGC	0	7.46	13.0
				3dB Above AGC	3	7.13	13.0
		2155.0MHz	GSM	Pre-AGC	0	0.05	13.0
				3dB Above AGC	3	0.05	13.0

FDD LTE Band 66 _ AWGN

Pre-AGC

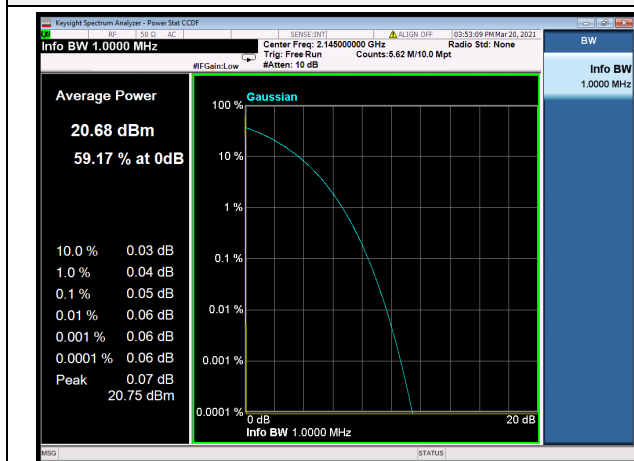


3dB Above AGC

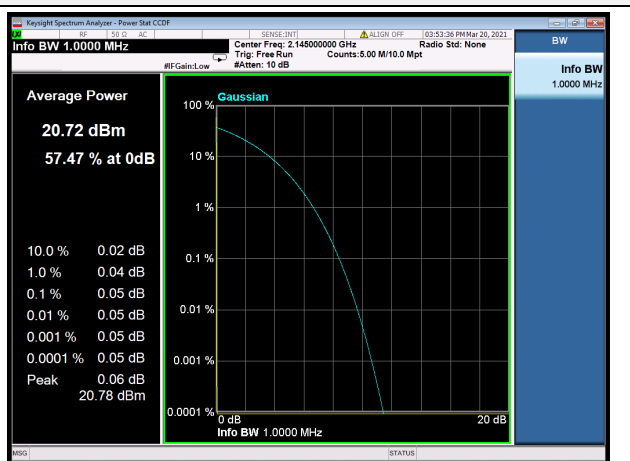


FDD LTE Band 66 _ GSM

Pre-AGC



3dB Above AGC



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