

Appendix A-RF Output Power and Amplifier Gain

Test Data:

FDD LTE Band 41											
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	2496MHz ~2690MHz	2593.0MHz	AWGN	Pre-AGC	0	20.21	--	--	--	20.21	20.21
				3dB Above AGC	3	20.19	--	--	--	20.19	/
		2593.0MHz	GSM	Pre-AGC	0	20.01	--	--	--	20.01	20.01
				3dB Above AGC	3	20.74	--	--	--	20.74	/
MIMO Mode											
Downlink	2496MHz ~2690MHz	2593.0MHz	AWGN	Pre-AGC	0	20.21	20.19	19.99	19.70	26.05	/
				3dB Above AGC	3	20.19	20.15	20.00	20.00	26.11	/
		2593.0MHz	GSM	Pre-AGC	0	20.01	19.80	19.52	19.38	25.70	/
				3dB Above AGC	3	20.74	20.73	20.72	20.75	26.76	/
Remark: EIRP of the EUT is 29.76dBm 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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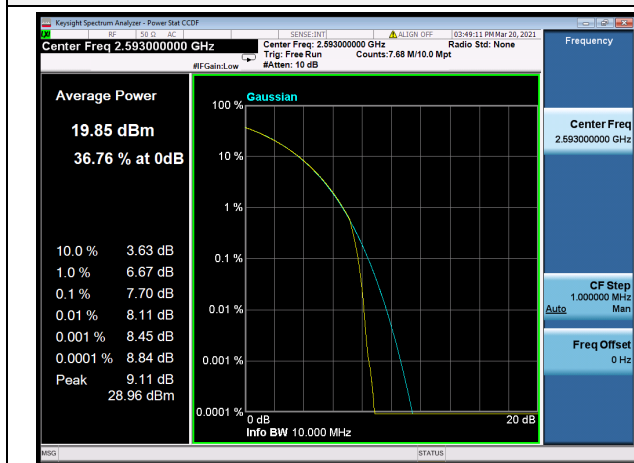
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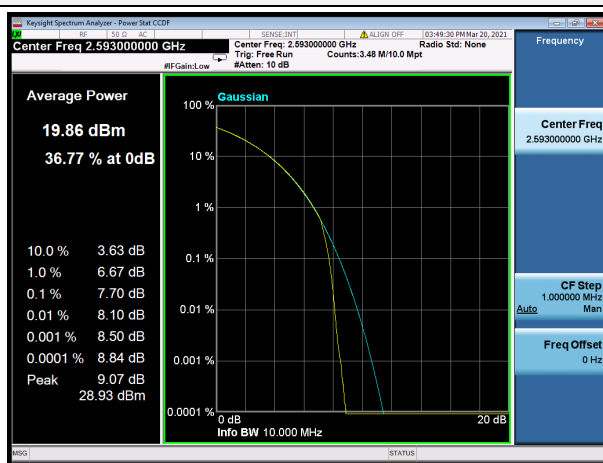
Mode	Operation Band	Frequency (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	PAPR (dB)	Limit (dB)
TDD LTE Band 41							
Downlink	2496MHz ~2690MHz	2593.0MHz	AWGN	Pre-AGC	0	7.70	13.0
				3dB Above AGC	3	7.70	13.0
		2593.0MHz	GSM	Pre-AGC	0	0.19	13.0
				3dB Above AGC	3	0.13	13.0

FDD LTE Band 41 _ AWGN

Pre-AGC

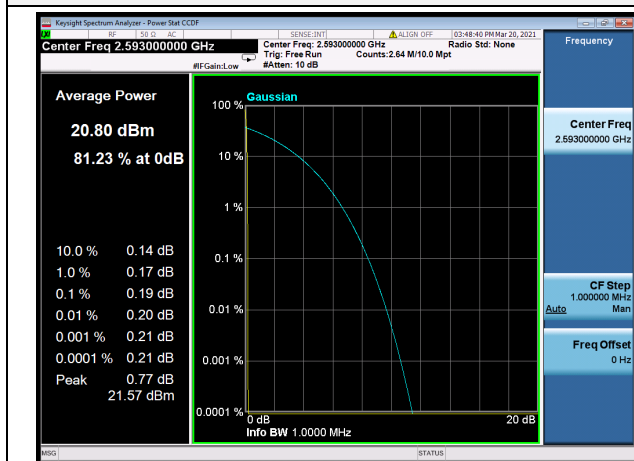


3dB Above AGC

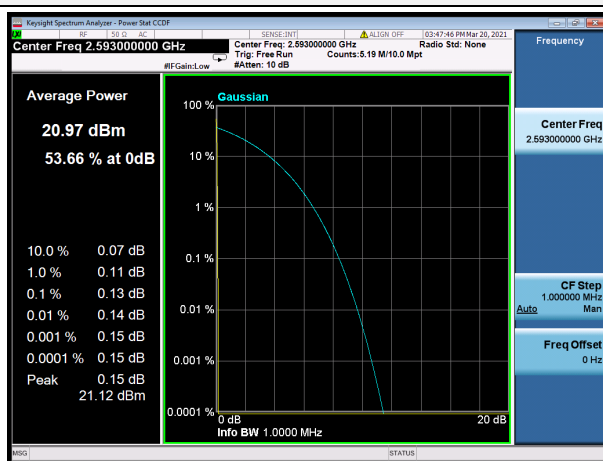


FDD LTE Band 41 _ GSM

Pre-AGC



3dB Above AGC



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