

Appendix A-RF Output Power and Amplifier Gain
Test Data:

FDD LTE Band 12											
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	729MHz ~746MHz	737.5MHz	AWGN	Pre-AGC	0	16.98	--	--	--	16.98	16.98
				3dB Above AGC	3	16.78	--	--	--	16.78	/
		737.5MHz	GSM	Pre-AGC	0	16.55	--	--	--	16.55	16.55
				3dB Above AGC	3	17.33	--	--	--	17.33	/
MIMO Mode											
Downlink	729MHz ~746MHz	737.5MHz	AWGN	Pre-AGC	0	16.98	16.94	16.94	16.92	22.97	/
				3dB Above AGC	3	16.78	16.78	16.50	16.44	22.65	/
		737.5MHz	GSM	Pre-AGC	0	16.55	16.34	16.22	16.22	22.36	/
				3dB Above AGC	3	17.33	17.25	17.31	17.41	23.35	/
Remark: EIRP of the EUT is 26.35dBm 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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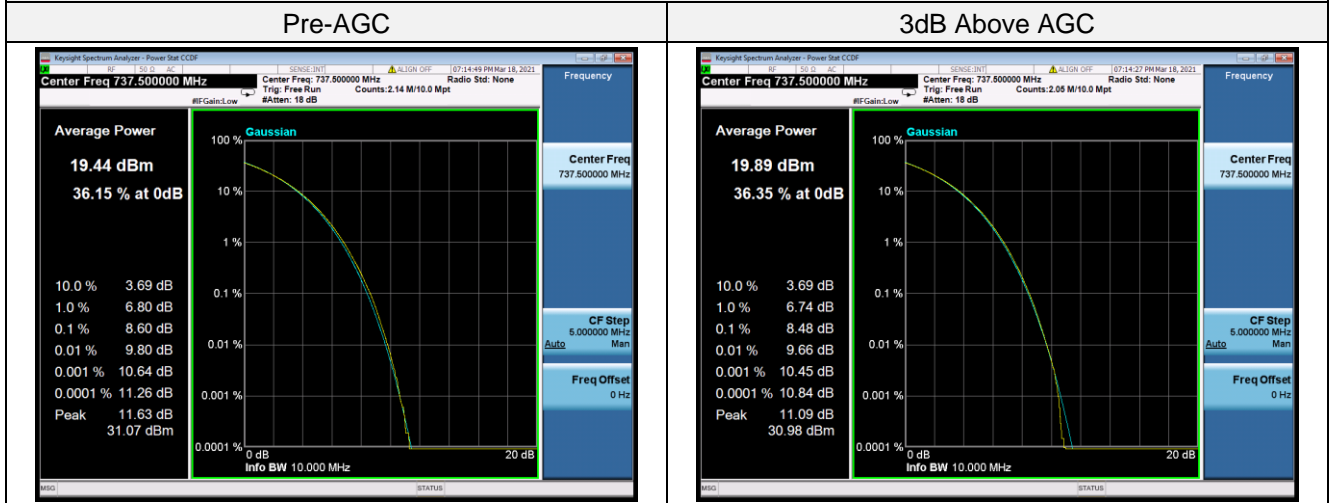
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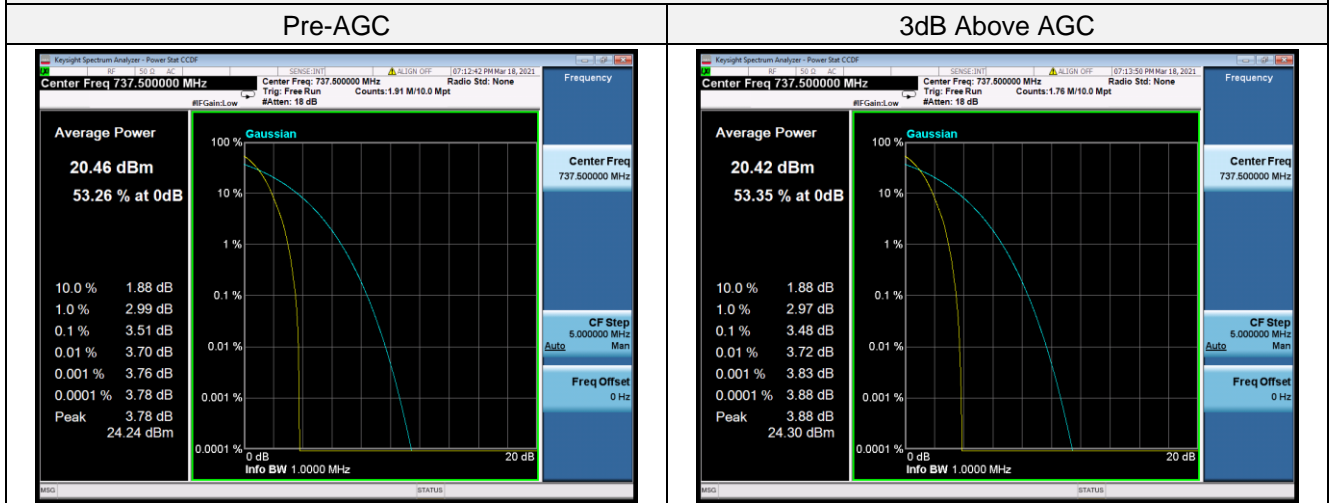
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Mode	Operation Band	Frequency (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	PAPR (dB)	Limit (dB)
FDD LTE Band 12							
Downlink	729MHz ~746MHz	737.5MHz	AWGN	Pre-AGC	0	8.60	13.0
				3dB Above AGC	3	8.48	13.0
		737.5MHz	GSM	Pre-AGC	0	3.51	13.0
				3dB Above AGC	3	3.48	13.0

FDD LTE Band 12 _ AWGN



FDD LTE Band 12 _ GSM



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