

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

FDD LTE Band 30											
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		
<b>SISO Mode</b>											
Downlink	2350MHz ~2360MHz	2355.0MHz	AWGN	Pre-AGC	0	19.67	--	--	--	19.67	19.67
				3dB Above AGC	3	19.71	--	--	--	19.71	/
		2355.0MHz	GSM	Pre-AGC	0	20.05	--	--	--	20.05	20.05
				3dB Above AGC	3	20.13	--	--	--	20.13	/
<b>MIMO Mode</b>											
Downlink	2350MHz ~2360MHz	2355.0MHz	AWGN	Pre-AGC	0	19.67	19.52	19.44	19.26	25.50	/
				3dB Above AGC	3	19.71	19.63	19.37	19.11	25.48	/
		2355.0MHz	GSM	Pre-AGC	0	20.05	19.97	19.96	19.80	25.97	/
				3dB Above AGC	3	20.13	20.12	20.15	20.11	26.15	/
Remark: EIRP of the EUT is 29.15dBm 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.											



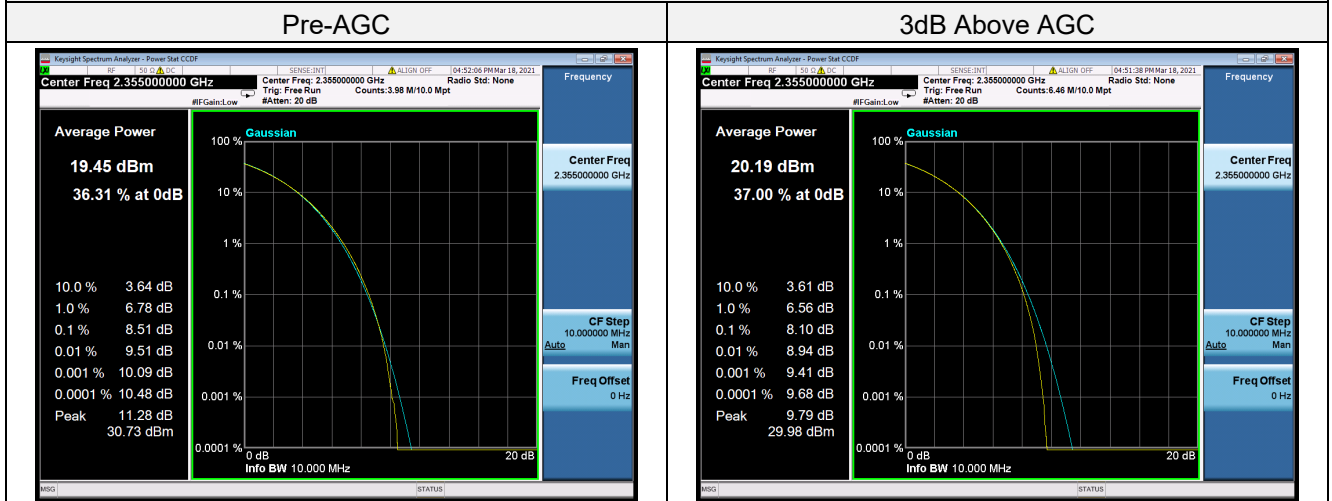
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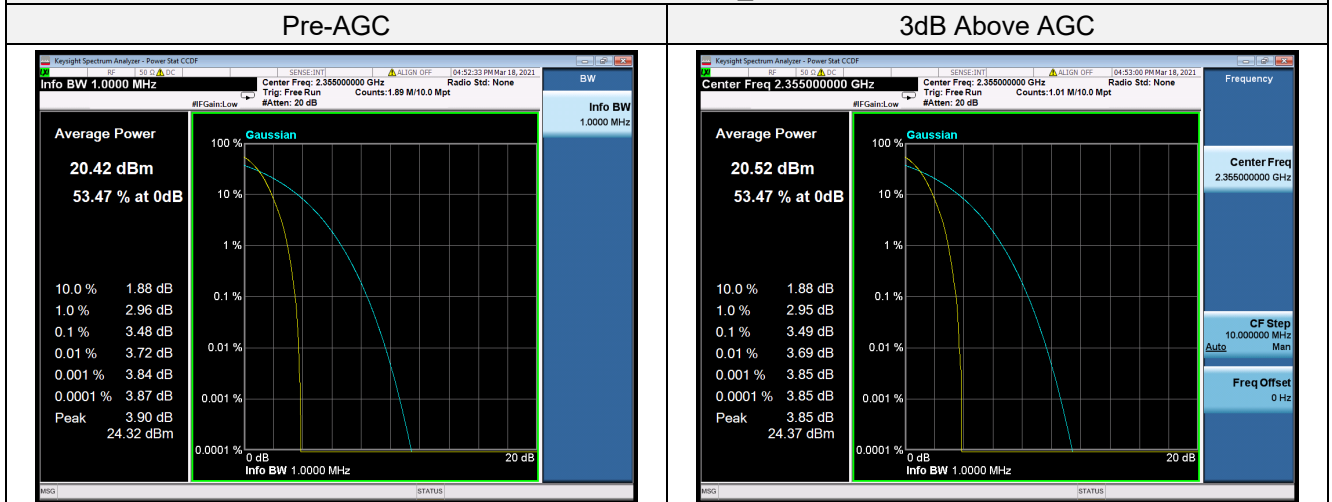
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Mode	Operation Band	Frequency (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	PAPR (dB)	Limit (dB)
FDD LTE Band 30							
Downlink	2350MHz ~2360MHz	2355.0MHz	AWGN	Pre-AGC	0	8.51	13.0
				3dB Above AGC	3	8.10	13.0
		2355.0MHz	GSM	Pre-AGC	0	3.48	13.0
				3dB Above AGC	3	3.49	13.0

FDD LTE Band 30 \_ AWGN



FDD LTE Band 30 \_ GSM



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