

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

FDD LTE Band 25											
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	1930MHz ~1995MHz	1962.5MHz	AWGN	Pre-AGC	0	19.65	--	--	--	19.65	19.65
				3dB Above AGC	3	19.65	--	--	--	19.65	/
		1962.5MHz	GSM	Pre-AGC	0	19.44	--	--	--	19.44	19.44
				3dB Above AGC	3	20.21	--	--	--	20.21	/
MIMO Mode											
Downlink	1930MHz ~1995MHz	1962.5MHz	AWGN	Pre-AGC	0	19.65	19.46	19.25	19.09	25.39	/
				3dB Above AGC	3	19.65	19.39	19.30	19.17	25.40	/
		1962.5MHz	GSM	Pre-AGC	0	19.44	19.23	19.17	18.95	25.22	/
				3dB Above AGC	3	20.21	20.24	20.18	20.19	26.23	/
Remark: EIRP of the EUT is 29.23dBm 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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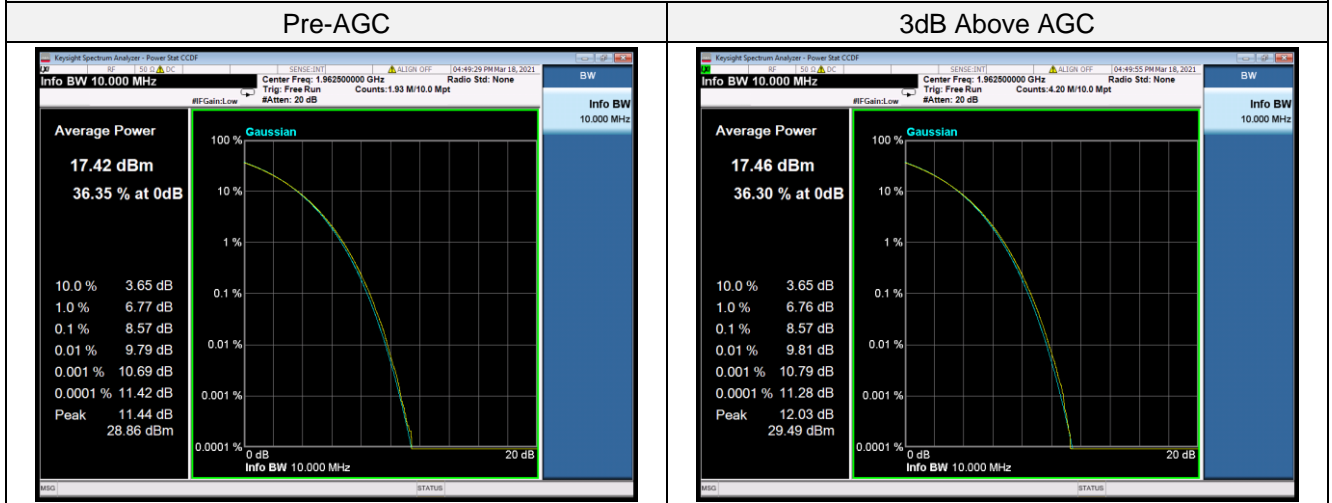
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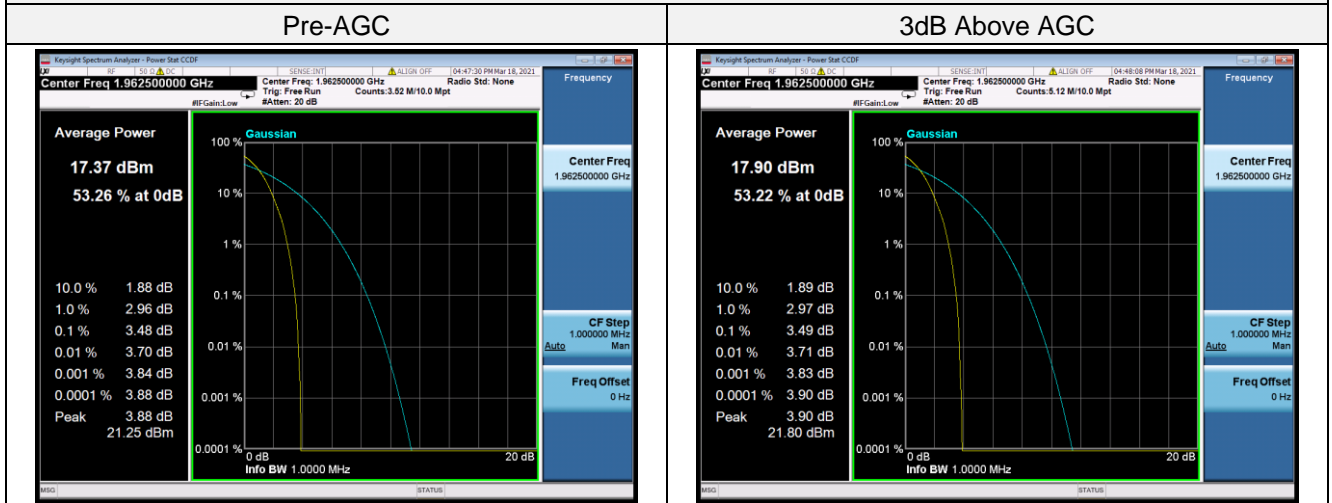
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Mode	Operation Band	Frequency (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	PAPR (dB)	Limit (dB)
FDD LTE Band 25							
Downlink	1930MHz ~1995MHz	1962.5MHz	AWGN	Pre-AGC	0	8.57	13.0
				3dB Above AGC	3	8.57	13.0
		1962.5MHz	GSM	Pre-AGC	0	3.48	13.0
				3dB Above AGC	3	3.49	13.0

FDD LTE Band 25 \_ AWGN



FDD LTE Band 25 \_ GSM



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