

Appendix B - Input/Output Power and Amplifier/Booster Gain

Test Data:

FDD LTE Band 14											
Mode	Operation Band	Test Freq. f ₀ (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	758MHz ~768MHz	759.2MHz	AWGN	Pre-AGC	0	17.03	--	--	--	17.03	17.03
				3dB Above AGC	3	17.12	--	--	--	17.12	/
MIMO Mode											
Downlink	758MHz ~768MHz	759.2MHz	AWGN	Pre-AGC	0	17.03	16.97	16.99	16.94	23.00	/
				3dB Above AGC	3	17.12	16.98	16.84	16.88	22.98	/
<p>Remark: EIRP of the EUT is 26.00dBm 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.</p>											

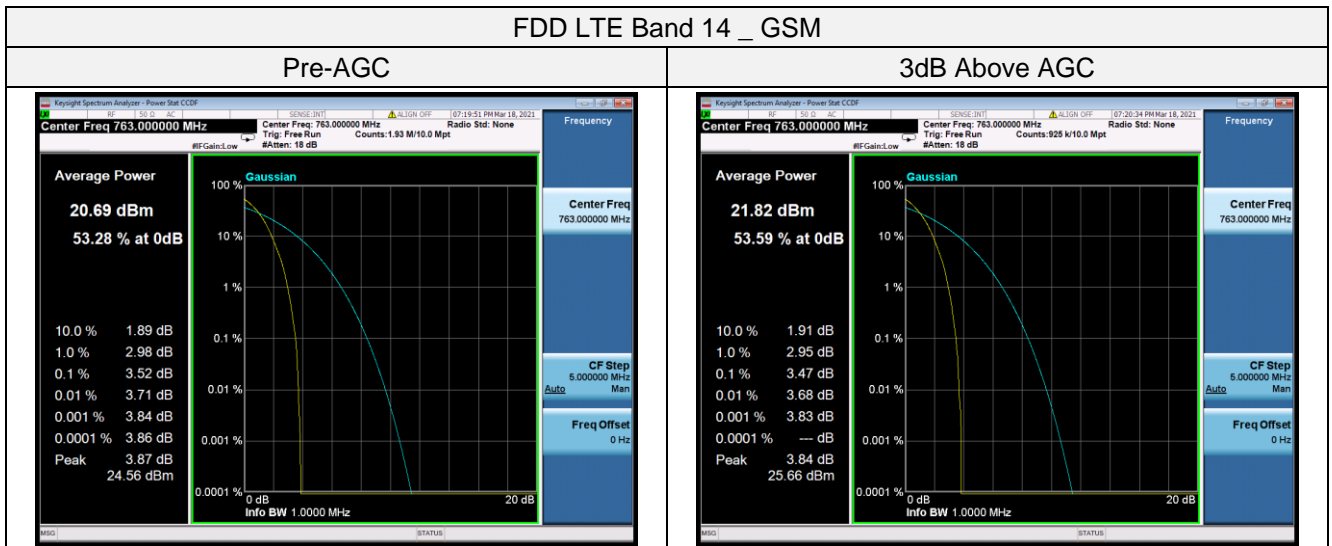
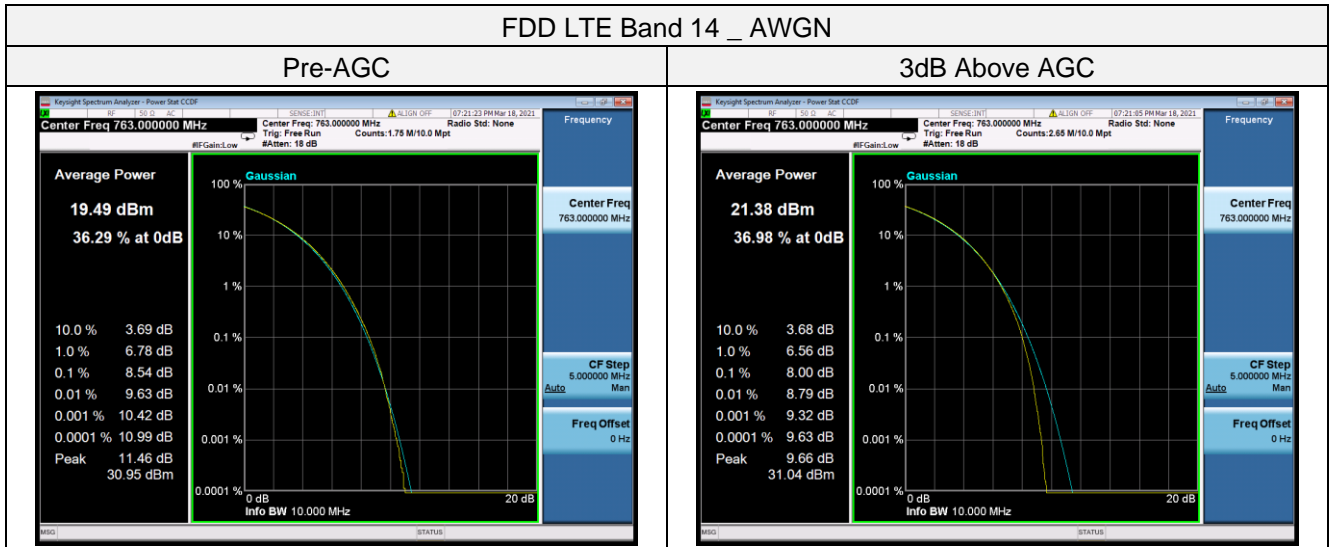


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Mode	Operation Band	Frequency (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	PAPR (dB)	Limit (dB)
FDD LTE Band 14							
Downlink	758MHz ~768MHz	773.0MHz	AWGN	Pre-AGC	0	8.54	13.0
				3dB Above AGC	3	8.00	13.0
		773.0MHz	GSM	Pre-AGC	0	3.52	13.0
				3dB Above AGC	3	3.47	13.0



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