

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

Test Data:

FDD LTE Band 14									
Mode	Operation Band	Test Freq. (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	Output Power (dBm)		Total Output Power (dBm)	Gain (dB)
						Ant 1	Ant 2		
SISO Mode									
Downlink	758MHz ~768MHz	758.8MHz	AWGN	Pre-AGC	0	21.25	--	21.25	21.25
				3dB Above AGC	3	21.32	--	21.32	/
MIMO Mode									
Downlink	758MHz ~768MHz	758.8MHz	AWGN	Pre-AGC	0	21.25	21.22	24.25	/
				3dB Above AGC	3	21.32	21.27	24.31	/
<p>Remark: ERP of the EUT is 34.66dBm which is less than the ERP limit of which is 1000.0W. The EUT supports SISO working mode. Each antenna can be used as SISO working port. We only present the worst result, the test data of ant 1 port. This EUT supports 2*2 MIMO. For MIMO mode the output signals are considered completely uncorrelated, so the antenna gain is 12.5dBi.</p>									



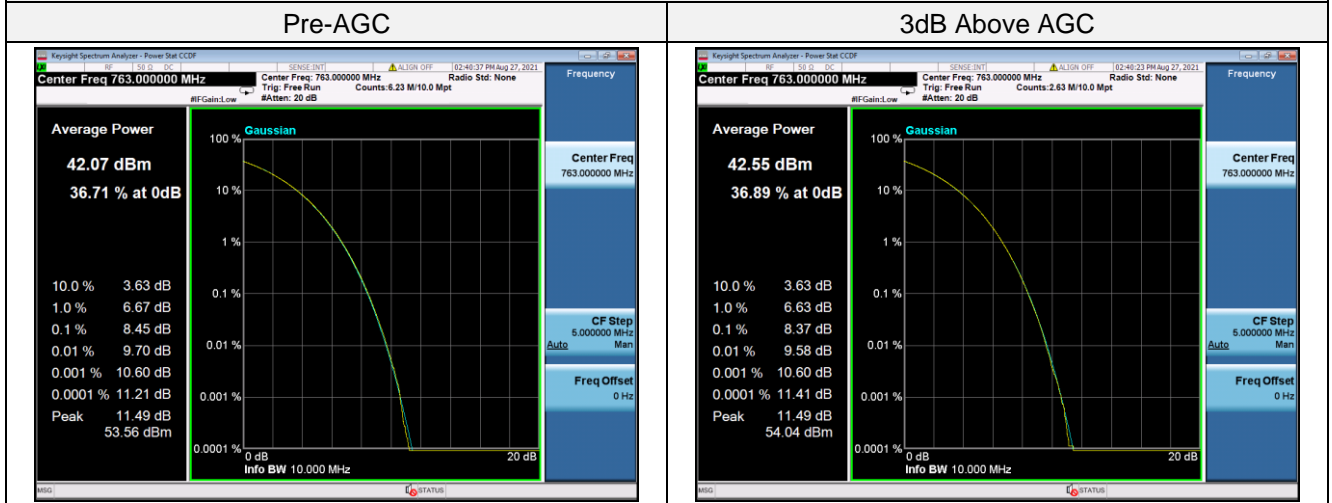
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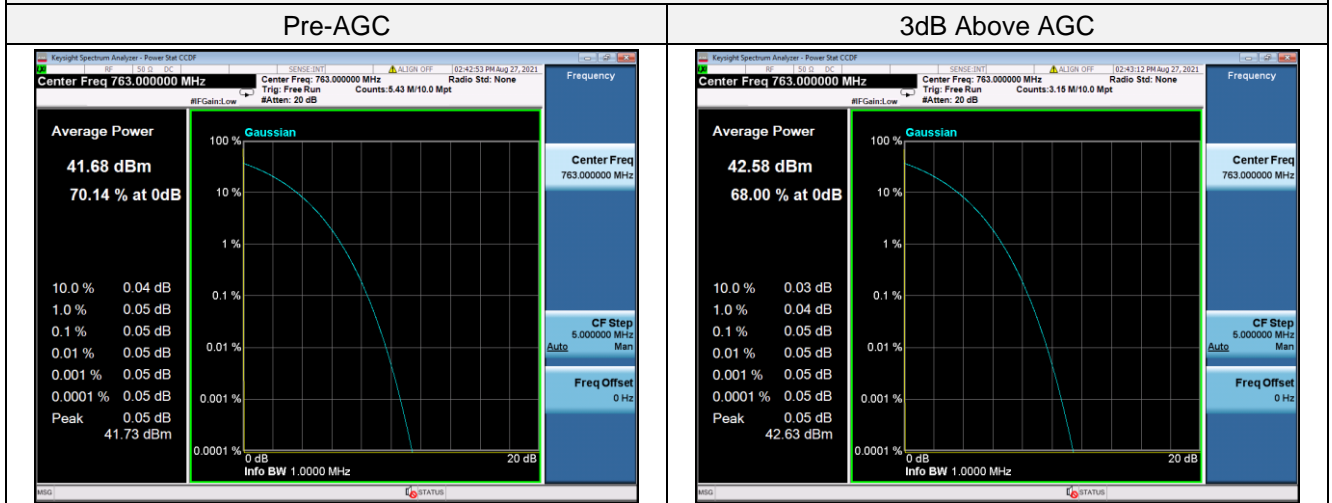
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Mode	Operation Band	Frequency (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	PAPR (dB)	Limit (dB)
FDD LTE Band 14							
Downlink	758MHz ~768MHz	763.0MHz	AWGN	Pre-AGC	0	8.45	13.0
				3dB Above AGC	3	8.37	13.0
		763.0MHz	GSM	Pre-AGC	0	0.05	13.0
				3dB Above AGC	3	0.05	13.0

FDD LTE Band 14 _ AWGN



FDD LTE Band 14 _ GSM



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