

Appendix A-RF Output Power and Amplifier Gain

Test Data:

FDD LTE Band 26											
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	869MHz ~894MHz	881.5MHz	AWGN	Pre-AGC	0	17.00	--	--	--	17.00	17.00
				3dB Above AGC	3	17.14	--	--	--	17.14	/
		881.5MHz	GSM	Pre-AGC	0	17.49	--	--	--	17.49	17.49
				3dB Above AGC	3	17.54	--	--	--	17.54	/
MIMO Mode											
Downlink	869MHz ~894MHz	881.5MHz	AWGN	Pre-AGC	0	17.00	17.04	17.02	17.06	23.05	/
				3dB Above AGC	3	17.14	16.95	16.98	16.99	23.04	/
		881.5MHz	GSM	Pre-AGC	0	17.49	17.56	17.16	17.19	23.37	/
				3dB Above AGC	3	17.54	17.41	17.94	17.35	23.59	/
Remark: EIRP of the EUT is 26.59dBm 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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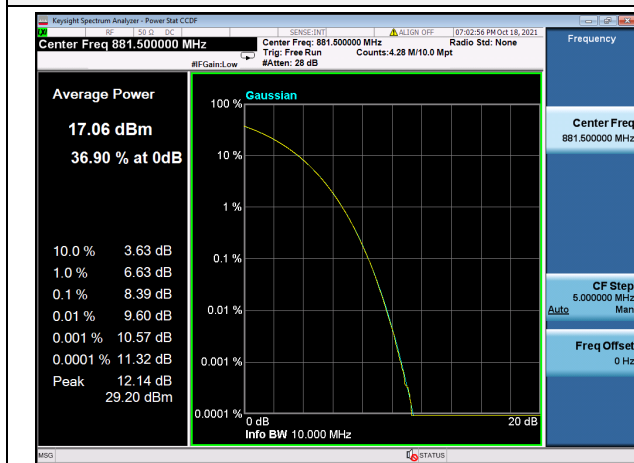
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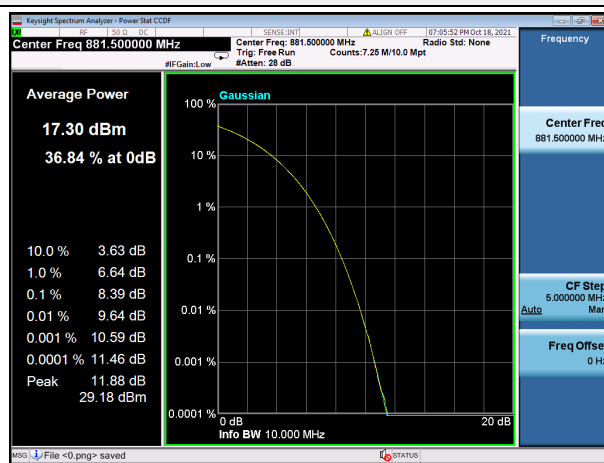
Mode	Operation Band	Frequency (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	PAPR (dB)	Limit (dB)
FDD LTE Band 26							
Downlink	869MHz ~894MHz	881.5MHz	AWGN	Pre-AGC	0	8.39	13.0
				3dB Above AGC	3	8.39	13.0
		881.5MHz	GSM	Pre-AGC	0	0.07	13.0
				3dB Above AGC	3	0.07	13.0

FDD LTE Band 26 _ AWGN

Pre-AGC

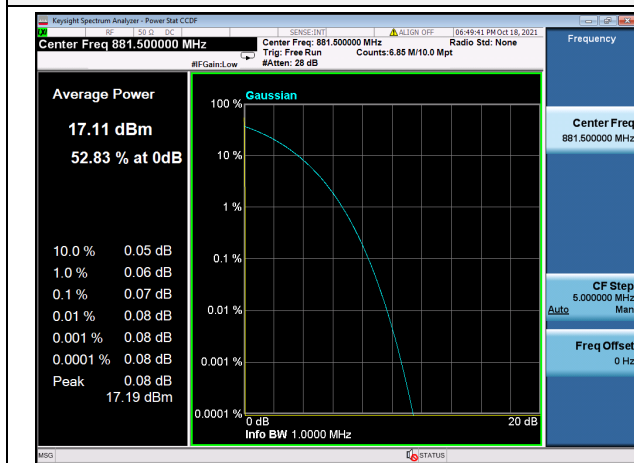


3dB Above AGC



FDD LTE Band 26 _ GSM

Pre-AGC



3dB Above AGC



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