

Appendix A-RF Output Power and Amplifier Gain

Test Data:

TDD LTE Band 48											
Mode	Operation Band	Frequency F ₀ (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	Ant 1 Conducted Power (dBm)	Ant 1 Conducted Power (dBm/10MHz)	Max E.I.R.P (dBm)	Max E.I.R.P (dBm/10MHz)	Max E.I.R.P Limit (dBm/10MHz)	Gain (dB)
SISO Mode											
Downlink	3550MHz ~3700MHz	3598.375 MHz	AWGN	Pre-AGC	0	13.30	13.42	16.30	16.42	23	13.30
				3dB Above AGC	3	13.39	13.44	16.39	16.44	23	/
		3598.375 MHz	GSM	Pre-AGC	0	13.77	13.84	16.77	16.84	23	13.77
				3dB Above AGC	3	13.93	13.97	16.93	16.97	23	/

Remark: Max EIRP of the EUT is 16.97dBm/10MHz which is less than the EIRP limit of which is 23dBm/10MHz.
 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 4*4 MIMO.
 For MIMO mode the output signals are considered completely uncorrelated, so the antenna gain is 3dBi.

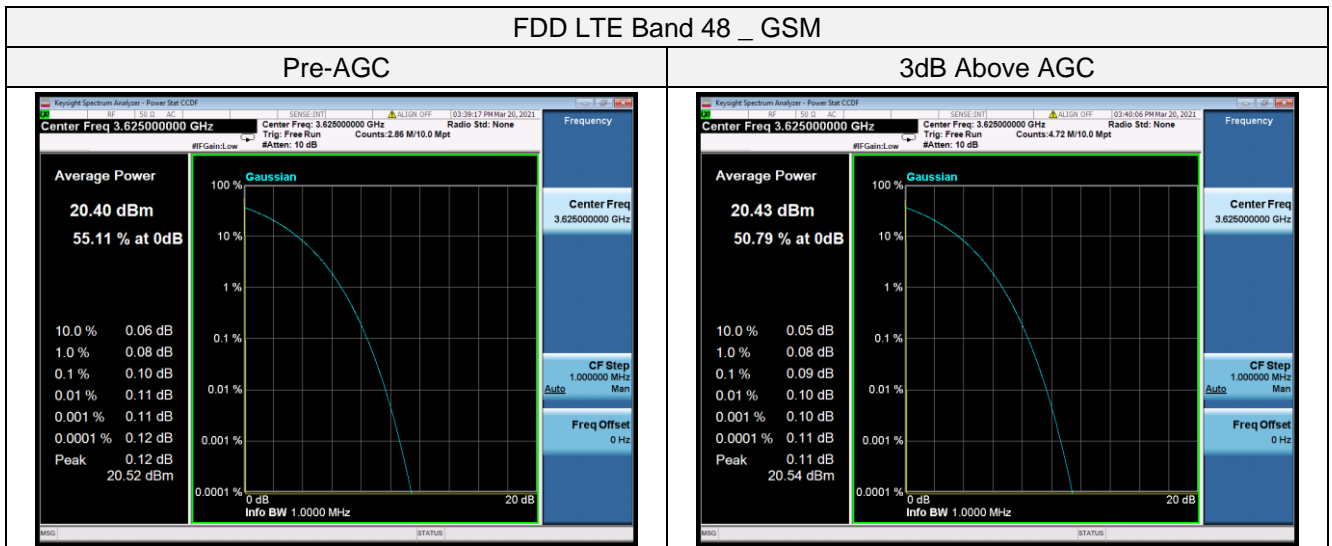
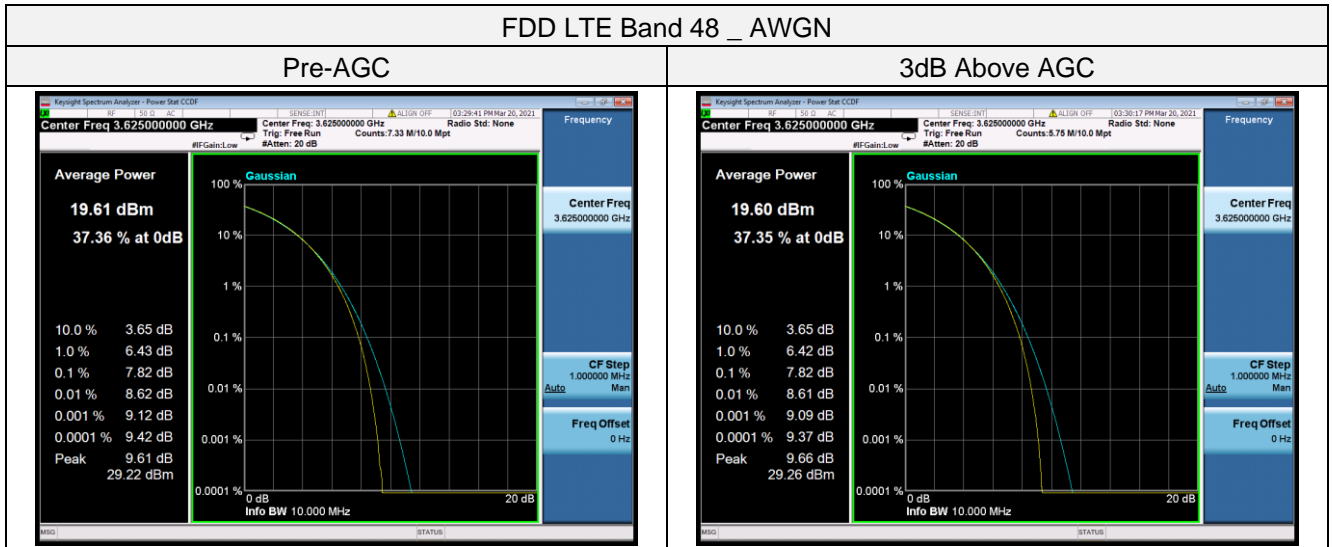
Mode	Operation Band	Frequency F ₀ (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	Conducted Power (dBm)				Conducted Power (dBm/10MHz)				Total Conducted Power (dBm)	Max E.I.R.P (dBm)	Max E.I.R.P (dBm/10MHz)	Max E.I.R.P Limit (dBm/10MHz)	Gain (dBi)
						Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4					
Downlink	3550 ~3700 MHz	3598.375 MHz	AWGN	Pre-AGC	0	13.30	13.48	13.29	13.12	13.37	13.54	13.31	13.42	19.32	22.32	22.43	23	/
				3dB Above AGC	3	13.39	13.42	13.39	13.37	13.43	13.46	13.42	13.42	19.41	22.41	22.45	23	/
		3598.375 MHz	GSM	Pre-AGC	0	13.77	13.73	13.82	13.76	13.83	13.78	13.86	13.83	19.79	22.79	22.85	23	/
				3dB Above AGC	3	13.93	13.95	13.99	13.85	13.95	13.98	13.99	13.89	19.95	22.95	22.97	23	/

Remark: Max EIRP of the EUT is 22.97dBm/10MHz which is less than the EIRP limit of which is 23dBm/10MHz.
 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 4*4 MIMO.
 For MIMO mode the output signals are considered completely uncorrelated, so the antenna gain is 3dBi.



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 No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn
 中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Mode	Operation Band	Frequency (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	PAPR (dB)	Limit (dB)
TDD LTE Band 48							
Downlink	3550MHz ~3700MHz	3625.0MHz	AWGN	Pre-AGC	0	7.82	13.0
				3dB Above AGC	3	7.82	13.0
		3625.0MHz	GSM	Pre-AGC	0	0.10	13.0
				3dB Above AGC	3	0.09	13.0



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 中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com