



Electrical Specifications

1 CDMA Transmitter

PARAMETER	CONDITION	MIN	TYP	MAX	Units
Maximum Output Power		22.3			dBm/ 1.23MHz
Standby Output Power	Tx=Standby, 824-849MHz			-61	dBm/ MHz
Minimum Controlled Output Power				-50	dBm/ 1.23MHz
Gated Output Power	Power Reduction from Gate On to Off	20			dB
Conducted Spurious Emissions at Max Power	$\Delta f = \pm 900\text{KHz} \sim \pm 1.98\text{MHz}$		-49	-42	dBc/ 30KHz
	$\Delta f = \pm 1.98\text{MHz} \sim$		-61	-54	dBc/ 30KHz
Conducted Spurious Emissions at -13dBm/1.23MHz	$\Delta f = \pm 885\text{KHz} \sim \pm 1.98\text{MHz}$		-45	-42	dBc/ 30KHz
	$\Delta f = \pm 1.98\text{MHz} \sim \pm 3.125\text{MHz}$		-58	-54	dBc/ 30KHz
	$\Delta f = \pm 3.125\text{MHz} \sim$			-13	dBm/ 100KHz
Conducted Spurious Emissions	Rx Band (869-894MHz)			-80	dBm/ 1.23MHz
	Out of the Band			-13	dBm

2 CDMA Receiver

PARAMETER	CONDITIONS	MIN	TYP	MAX	Units
Rx Gain Flatness	869-894MHz			4	dB
Maximum Input Signal Level	FER $\leq$ 0.5%	-25			dBm
Sensitivity	FER $\leq$ 0.5%	-104	-106		dBm
Single Tone Desensitization	Jammer Level = -30dBm Jammer = $\pm 900\text{KHz}$ FER $\leq$ 1%	-101	-103		dBm
Two Tone Intermodulation	Jammer Level = -43dBm Jammer = $\pm 900\text{KHz}$, $\pm 1.7\text{MHz}$ FER $\leq$ 1%	-101	-103		dBm
Two Tone Intermodulation	Jammer Level = -21dBm Jammer = $\pm 900\text{KHz}$, $\pm 1.7\text{MHz}$	-79	-81		dBm