

Calculation Table of Output Power/Carrier

(assume : Input RF Power meet the minimum requirement of Amplifier System)

Frequency	Line Amplifier			Frequency	Line Amplifier		
CDMA800	LA-15-800	LA-25-800	LA-33-800	DCS1800	LA-15-1800	LA-25-1800	LA-33-1800
1carrier	15dBm±2	25dBm±2	33dBm±2	1carrier	15dBm±2	25dBm±2	33dBm±2
2carrier	12dBm±2	22dBm±2	30dBm±2	2carrier	12dBm±2	22dBm±2	30dBm±2
3carrier	10dBm±2	20dBm±2	28dBm±2	3carrier	10dBm±2	20dBm±2	28dBm±2
4carrier	9dBm±2	19dBm±2	27dBm±2	4carrier	9dBm±2	19dBm±2	27dBm±2
5carrier	8dBm±2	18dBm±2	26dBm±2	5carrier	8dBm±2	18dBm±2	26dBm±2
6carrier	7dBm±2	17dBm±2	25dBm±2	6carrier	7dBm±2	17dBm±2	25dBm±2
7carrier	6.5dBm±2	16.5dBm±2	24.5dBm±2	7carrier	6.5dBm±2	16.5dBm±2	24.5dBm±2
8carrier	6dBm±2	16dBm±2	24dBm±2	8carrier	6dBm±2	16dBm±2	24dBm±2
PCS1900	LA-15-1900	LA-25-1900	LA-33-1900	9carrier	5.5dBm±2	15.5dBm±2	23.5dBm±2
1carrier	15dBm±2	25dBm±2	33dBm±2	10carrier	5dBm±2	15dBm±2	23dBm±2
2carrier	12dBm±2	22dBm±2	30dBm±2	11Carrier	4.5dBm±2	14.5dBm±2	22.5dBm±2
3carrier	10dBm±2	20dBm±2	28dBm±2	12carrier	4.2dBm±2	14.2dBm±2	22.2dBm±2
4carrier	9dBm±2	19dBm±2	27dBm±2	13carrier	3.8dBm±2	13.8dBm±2	21.8dBm±2
WCDMA2100	LA-15-2100	LA-25-2100	LA-33-2100	14carrier	3.5dBm±2	13.5dBm±2	21.5dBm±2
1carrier	15dBm±2	25dBm±2	33dBm±2	15carrier	3.2dBm±2	13.2dBm±2	21.2dBm±2
2carrier	12dBm±2	22dBm±2	30dBm±2	16carrier	2.9dBm±2	12.9dBm±2	20.9dBm±2
3carrier	10dBm±2	20dBm±2	28dBm±2	17carrier	2.7dBm±2	12.7dBm±2	20.7dBm±2
4carrier	9dBm±2	19dBm±2	27dBm±2	18carrier	2.4dBm±2	12.4dBm±2	20.4dBm±2
5carrier	8dBm±2	18dBm±2	26dBm±2	19carrier	2.2dBm±2	12.2dBm±2	20.2dBm±2
6carrier	7dBm±2	17dBm±2	25dBm±2	20carrier	2dBm±2	12dBm±2	20dBm±2
7carrier	6.5dBm±2	16.5dBm±2	24.5dBm±2	21carrier	1.7dBm±2	11.7dBm±2	19.7dBm±2
8carrier	6dBm±2	16dBm±2	24dBm±2	22carrier	1.5dBm±2	11.5dBm±2	19.5dBm±2

CDMA800 consist of 4operator : Esia, Flexi, Fren, StarOne

DSM1800 consist of 5operator : Telkomsel, Indosat, XL, NTS, HCPT

CDMA1900 consist of 1operator : Smart

WCDMA2100 consist of 5operator : Telkomsel, Indosat, XL, NTS, HCPT

Notes : Total output power is kept the same for each system, no matter how many carriers are involved. For example. For Instance : LA-33-1800 with 8 carriers, the total output power is still +33dBm, while output power for each carrier is +24dBm.

Calculation Table of Output Power/Carrier

(assume : Input RF Power meet the minimum requirement of Amplifier System)

Frequency	PW-MIA-33 Series			PW-MIA-37 Series		
	CDMA800	MIA-33-DW	MIA-33-CDW	MIA-33-CDPW	MIA-37-DW	MIA-37-CDW
1carrier	N/A	33dBm±2	33dBm±2	N/A	37dBm±2	37dBm±2
2carrier	N/A	30dBm±2	30dBm±2	N/A	34dBm±2	34dBm±2
3carrier	N/A	28dBm±2	28dBm±2	N/A	32dBm±2	32dBm±2
4carrier	N/A	27dBm±2	27dBm±2	N/A	31dBm±2	31dBm±2
5carrier	N/A	26dBm±2	26dBm±2	N/A	30dBm±2	30dBm±2
6carrier	N/A	25dBm±2	25dBm±2	N/A	29dBm±2	29dBm±2
7carrier	N/A	24.5dBm±2	24.5dBm±2	N/A	28.5dBm±2	28.5dBm±2
8carrier	N/A	24dBm±2	24dBm±2	N/A	28dBm±2	28dBm±2
DCS1800						
1carrier	33dBm±2	33dBm±2	33dBm±2	37dBm±2	37dBm±2	37dBm±2
2carrier	30dBm±2	30dBm±2	30dBm±2	34dBm±2	34dBm±2	34dBm±2
3carrier	28dBm±2	28dBm±2	28dBm±2	32dBm±2	32dBm±2	32dBm±2
4carrier	27dBm±2	27dBm±2	27dBm±2	31dBm±2	31dBm±2	31dBm±2
5carrier	26dBm±2	26dBm±2	26dBm±2	30dBm±2	30dBm±2	30dBm±2
6carrier	25dBm±2	25dBm±2	25dBm±2	29dBm±2	29dBm±2	29dBm±2
7carrier	24.5dBm±2	24.5dBm±2	24.5dBm±2	28.5dBm±2	28.5dBm±2	28.5dBm±2
8carrier	24dBm±2	24dBm±2	24dBm±2	28dBm±2	28dBm±2	28dBm±2
9carrier	23.5dBm±2	23.5dBm±2	23.5dBm±2	27.5dBm±2	27.5dBm±2	27.5dBm±2
10carrier	23dBm±2	23dBm±2	23dBm±2	27dBm±2	27dBm±2	27dBm±2
11Carrier	22.5dBm±2	22.5dBm±2	22.5dBm±2	26.5dBm±2	26.5dBm±2	26.5dBm±2
12carrier	22.2dBm±2	22.2dBm±2	22.2dBm±2	26.2dBm±2	26.2dBm±2	26.2dBm±2
13carrier	21.8dBm±2	21.8dBm±2	21.8dBm±2	25.8dBm±2	25.8dBm±2	25.8dBm±2
14carrier	21.5dBm±2	21.5dBm±2	21.5dBm±2	25.5dBm±2	25.5dBm±2	25.5dBm±2
15carrier	21.2dBm±2	21.2dBm±2	21.2dBm±2	25.2dBm±2	25.2dBm±2	25.2dBm±2
16carrier	20.9dBm±2	20.9dBm±2	20.9dBm±2	24.9dBm±2	24.9dBm±2	24.9dBm±2
17carrier	20.7dBm±2	20.7dBm±2	20.7dBm±2	24.7dBm±2	24.7dBm±2	24.7dBm±2
18carrier	20.4dBm±2	20.4dBm±2	20.4dBm±2	24.4dBm±2	24.4dBm±2	24.4dBm±2
19carrier	20.2dBm±2	20.2dBm±2	20.2dBm±2	24.2dBm±2	24.2dBm±2	24.2dBm±2
20carrier	20dBm±2	20dBm±2	20dBm±2	24dBm±2	24dBm±2	24dBm±2
PCS1900						
1carrier	N/A	N/A	33dBm±2	N/A	N/A	37dBm±2
2carrier	N/A	N/A	30dBm±2	N/A	N/A	34dBm±2
3carrier	N/A	N/A	28dBm±2	N/A	N/A	32dBm±2
4carrier	N/A	N/A	27dBm±2	N/A	N/A	31dBm±2
WCDMA2100						
1carrier	33dBm±2	33dBm±2	33dBm±2	37dBm±2	37dBm±2	37dBm±2
2carrier	30dBm±2	30dBm±2	30dBm±2	34dBm±2	34dBm±2	34dBm±2
3carrier	28dBm±2	28dBm±2	28dBm±2	32dBm±2	32dBm±2	32dBm±2
4carrier	27dBm±2	27dBm±2	27dBm±2	31dBm±2	31dBm±2	31dBm±2
5carrier	26dBm±2	26dBm±2	26dBm±2	30dBm±2	30dBm±2	30dBm±2
6carrier	25dBm±2	25dBm±2	25dBm±2	29dBm±2	29dBm±2	29dBm±2
7carrier	24.5dBm±2	24.5dBm±2	24.5dBm±2	28.5dBm±2	28.5dBm±2	28.5dBm±2
8carrier	24dBm±2	24dBm±2	24dBm±2	28dBm±2	28dBm±2	28dBm±2

CDMA800 consist of 4operator : Esia, Flexi, Fren, StarOne (assuming max 2carrier/operator)

DSM1800 consist of 5operator : Telkomsel, Indosat, XL, NTS, HCPT (assuming max 4carrier/operator)

CDMA1900 consist of 1operator : Smart (assuming max 4carrier/operator)

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Notes : Total output power is kept the same for each system, no matter how many carriers are involved, for example, for DCS 8 carriers, the total output power is still 33dBm, while output power for each carrier is 24dBm.