

FCC question 1: This filing contains "module reuse" data under N7N FCC ID which shows higher conducted power than used for SAR testing in this filing - please revise SAR testing to use maximum output of device, or revise EMC /radio-parameter data to reflect use under this new FCC ID

CCS Reply: The measured PK and AV output power (refer to report 09U12671-1D) are within +/- 0.5 dB manufacturer's tolerance from the originally-measured values (refer to the report 08U12326-1B). The output power listed in Form 731 is E.R.P/E.I.R.P. For details please see the tables below:

EMC 800 944 pk cond/708 rad SAR 320 f-731 708 (rad.)
 800 959 pk cond - from module-reuse emc exhibit = PROBLEM

EMC09U12671-1D

824 to 849 MHz Authorized Band

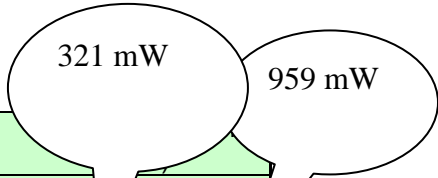
Frequency Range (MHz)	Modulation	Conducted Peak Power (dBm)	Conducted Peak Power (mW)
Low CH - 824.7	1 x EVDO, Rev A	29.60	912.01
Mid CH - 836.5		29.75	944.06
High CH - 848.3		29.00	794.33

850 MHz CDMA EV-DO REV A

Channel	Frequency (MHz)	ERP Peak Power (dBm)	ERP Peak Power (mW)
Low	824.7	28.20	660.69
Middle	836.5	28.50	707.95
High	848.3	26.60	457.09

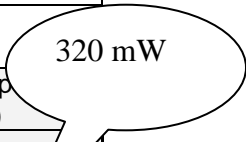
EMC 08U12326-1B

FETAP-Traffic Format	RETAP-Data Payload Size	Channel	f (MHz)	Conducted Power (mW)	
				Average	Peak
307.2k, QPSK/ ACK channel is transmitted at all the slots	4096	1013	824.70	25.00	29.81
		384	836.52	25.07	29.82
		777	848.31	24.70	29.22



SAR 09U12671-11C

FETAP-Traffic Format	RETAP-Data Payload Size	Channel	f (MHz)	Conducted Power (dBm)
				Average
307.2k, QPSK/ ACK channel is transmitted at all the slots	4096	1013	824.70	24.99
		384	836.52	25.05
		777	848.31	24.70



EMC 1900 785 pk cond/813 rad SAR 304 f-731 813 (rad.)
 1900 815 pk cond - from module-reuse emc exhibit = PROBLEM

EMC09U12671-1D

824 to 849 MHz Authorized Band

Frequency Range (MHz)	Modulation	Conducted Peak Power (dBm)	Conducted Peak Power (mW)
Low CH - 824.7	1 x EVDO, Rev A	29.60	912.01
Mid CH - 836.5		29.75	944.06
High CH - 848.3		29.00	794.33

1850 to 1910 MHz Authorized Band

Frequency Range (MHz)	Modulation	Conducted Peak Power (dBm)	Conducted Peak Power (mW)
Low CH - 1851.25	1 x EVDO, Rev A	28.50	707.95
Mid CH - 1880		28.95	785.24
High CH - 1908.75		28.75	749.89

785 mW

EMC 08U12326-1B

1900 MHz CDMA EV-DO REV A

Channel	Frequency (MHz)	EIRP Peak Power (dBm)	EIRP Peak Power (mW)
Low	1851.25	28.60	724.44
Middle	1880.0	29.10	812.83
High	1908.75	28.90	776.25

813 mW

FETAP-Traffic Format	RETAP-Data Payload Size	Channel	f (MHz)	Conducted (dBm)	
				Average	Peak
307.2k, QPSK/ ACK channel is transmitted at all the slots	4096	25	1851.25	24.30	28.71
		600	1880.00	24.77	29.11
		1175	1908.75	24.90	28.98

309 mW

SAR 09U12671-11C

FETAP-Traffic Format	RETAP-Data Payload Size	Channel	f (MHz)	Conducted power (dBm)
				Average
307.2k, QPSK/ ACK channel is transmitted at all the slots	4096	25	1851.25	24.32
		600	1880.00	24.75
		1175	1908.75	24.83

304 mW

FCC question 2: please explain / show conducted power for 802.11g mode where appropriate, and/or give pointer to within filing if it is already there, and/or revise SAR to explain how 802.11g mode compliance was addressed

CCS Reply: The g mode measurement result for average output power was added in the revised EMC report 09U12671-3B and SAR report 09U12671-11D. Since the g mode output power is lower than that of b mode so we added a justification of why g mode testing not performed on both reports. For more details please see the tables below:

2400 - 802.11b/g

	<u>EMC</u>	<u>SAR</u>	<u>f-731</u>
b	37 avg/ 69 pk	39	n/a
g	67 pk	?	175 (pk cond.)

EMC 09U12671-3

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
2412 - 2462	802.11b	18.43	69.66

b mode Average

Channel	Frequency (MHz)	Power (dBm)
Low	2412	15.67
Middle	2437	15.45
High	2462	15.54

37 mW

g mode Average (added in the revised test reports)

Channel	Frequency (MHz)	Power (dBm)
Low	2412	14.10
Middle	2437	14.20
High	2462	14.40

NWEMC-ITRM0128_20060830

802.11g 6 Mbps 174.58 mW

SAR 09U12671-11C

802.11b

Ch. No.	f (MHz)	Average Conducted power (dBm)
1	2412	15.65
6	2437	15.87
11	2462	15.92

39 mW