



Re: FCC ID QISC218-800

To: Martin Perrine

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731 Confirmation Number: TC318026

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For the first question: *A) regarding your answer and corresponding report statement, "For SAR test, the maximum power output is very important and essential; it does not matter with radio configurations. In this report, we use typical RC3 to estimate." Please demonstrate that the tested mode is worst case. Conducted power (average) for all possible modes is supporting information.*

From the test results as bellows, they showed the maximum output power with different modes. We found a little difference among them. So the mode used in the SAR test report could represent the worst case.

HUAWEI C218 maximum output power with different modes.

Service Option	Radio Configuration	Modulation	Maximum output power (dBm)		
			1013	384	777
SO02	RC 1/1	O-QPSK	25.13	25.32	24.85
SO09	RC 2/2	O-QPSK	25.12	25.05	24.62
SO55	RC 3/3	HPSK	25.47	25.28	24.46
	RC 4/3	HPSK	25.61	25.09	24.10
	RC 5/4	HPSK	24.95	25.06	24.43



For the second question: *B) regarding your answer please fully describe the CDMA2000 capabilities of this fall. Include a listing of all modes, RCs, service options and data rates. Please also describe which modes are for which type of operation/testing/usage.*

The followings are detail information about the configurations, please have a check.

HUAWEI C218 Features lists

Table1: Physical Channel List

Modes	Physical Channels	Comments
IS95	F-PICH	Forward Pilot Channel
	F-SYCH	Forward Sync Channel
	F-PCH	Forward Paging Channel
	F-FCH	Forward Fundamental Channel
	R-ACH	Reverse Access Channel
	R-FCH	Reverse Fundamental Channel
IS 2000	F-PICH	Forward Pilot Channel
	F-SYCH	Forward Sync Channel
	F-PCH	Forward Paging Channel
	F-FCH	Forward Fundamental Channel
	R-ACH	Reverse Access Channel
	R-FCH	Reverse Fundamental Channel
	* F-QPCH	Forward Quick Paging Channel
	* R-PICH	Reverse Pilot Channel
Note: HUWEI C218 does not support Supplemental Code Channel(F/R-SCCH) , Supplemental Channel(F/R-SCH), or Dedicated Control Channel(F/R-DCCH).		

Table 2: Radio Configurations list

Modes	Radio Configurations	Data Rates	Comments
IS 95	RC 1/1	9.6Kbps	The data rates here are for Fundamental Channels(F/R-FCH)
	RC 2/2	14.4Kbps	
IS 2000	RC 3/3	9.6Kbps	The data rates here are for Fundamental Channels(F/R-FCH)
	RC 4/3	9.6Kbps	
	RC 5/4	14.4Kbps	



Table 3: Service Options list

Service Options	Comments	Radio Configuration					Notes
		RC1/1	RC2/2	RC3/3	RC4/3	RC5/4	
SO02	Mobile Station Loopback	S		S	S		Testing
SO03	Enhanced Variable Rate Voice Service (8kbps)	S		S	S		Usage
SO04	Asynchronous Data Service	S		S	S		Operation
SO05	Group 3 Facsimile	S		S	S		Operation
SO06	Short Message Services	S		S	S		Usage
SO07	Packet Data Service: Internet Protocol Stack only	S		S	S		Operation
SO09	Mobile Station Loopback		S			S	Testing
SO12	Asynchronous Data Service		S			S	Operation
SO13	Group 3 Facsimile		S			S	Operation
SO14	Short Message Services		S			S	Usage
SO15	Packet Data Service: Internet Protocol Stack only		S			S	Operation
SO18	Over-the-Air Service Administration– OTAPA	S		S	S		Usage
SO19	Over-the-Air Service Administration – OTAPA		S			S	Usage
SO32	Test Data Service Option			S	S		Testing
SO33	1x High Speed Packet Data Service (RC>2)			S	S		Operation
SO55	Loopback Service Option (LSO)			S	S	S	Testing
SO32798	Markov Calls (Rate Set1)	S		S	S		Testing
SO32799	Markov Calls (Rate Set2)		S			S	Testing

Note: S= Support by HUAWEI C218 Mobile Station Modern

Blank=Not allowed configuration