

Worse Case Evaluation per FCC 3G SAR Evaluation Criteria

WCDMA/HSDPA Rel. 5 / HS-DSCH Category 6

Sub-Test	Mode	Call Type	RMC(kbps)	HSDPA	FRC	β_c	β_d	β_{hs}	CM(dB)	MPR(dB)
1	HSDPA	PS	12.2	H-Set 1	QPSK	2/15	15/15	4/15	0.0	0
2	HSDPA	PS	12.2	H-Set 1	QPSK	12/15	15/15	24/15	1.0	0
3	HSDPA	PS	12.2	H-Set 1	QPSK	15/15	15/8	30/15	1.5	0.5
4	HSDPA	PS	12.2	H-Set 1	QPSK	15/15	4/15	30/15	1.5	0.5

The following settings were used to configure the Radio Communication Tester, CMU200.

- Connection
 - Dedicated Chan (CS): RMC
 - Band Select:
 - Band V for US Cell Band
 - Band II for US PCS Band
- Network
 - Requested UE Data
 - Authentication: Off
 - Security: Off
 - IMEI: ON
 - RLC Reestablish: Off
- BS Signal
 - Node –B Setting
 - RF Channel Downlink
 - Band V: 4358 / 4400 / 4457
 - Band II: 9663 / 9800 / 9937
 - Circuit Switched
 - RMC Setting
 - Reference Channel Type: 12.2Kbps
 - Test Mode: Loop Mode 1
 - Channel Data Source DTCH: All One
 - Signaling RAB Setting
 - SRB Cell DCH: 13.6 Kbps
- UE Signal
 - Analyzer Setting
 - RF Channel Uplink:
 - Band V: 4133 / 4175 / 4232
 - Band II: 9263 / 9400 / 9537

- UE power Control
 - Max Allowed UE Power: 25

Agilent 8960 Setting:

WCDMA

- Call Setup > Shift & Preset
- Cell Parameters: PS Domain Information > Present
 - ATT (IMSI Attach) Flag State > Not Set
- Security Parameter - System Operations > Auth&int
- Channel Type:
 - RMC: 12.2k RMC
- Paging Service: RB Test Mode
- Channel (UARFCN) Parms:

PCS band	Cell band
DL Channel: 9663 / 9800 / 9937 / 4358 / 4400 / 4457	
UL Channel: 9263 / 9400 / 9537 / 4133 / 4175 / 4232	
- DL DTCH Data: All Ones
- RLC Reestablish: Off
- Call Limit State: Off
- Call Drop Timer: Off
- SRB Config.: 13.6k DCCH
- UE Target Power: 25 dBm
- UL CL Power Ctrl Parameters
 - UL CL Power Ctrl Mode: All Up Bits

Output power verification

Mode	Subtest	Band V			Band II		
		4133/826.4	4175/836.4	4232/846.6	9263/1852.4	9400/1880.0	9537/1907.5
Rel99	1	24.06	23.60	23.30	24.02	23.42	23.41
HSDPA Rel 5	1	22.23	22.69	22.81	21.25	21.37	21.38
	2	22.82	22.63	22.78	21.21	21.57	21.45
	3	22.19	22.51	22.66	21.32	21.09	21.26
	4	22.23	22.58	22.65	21.22	21.41	21.46

GSM/GPRS/EGPRS Output Power Verification

Mode	GSM 850 / Cellular Band			GSM 1900 / PCS Band			Modulation
	128	190	251	512	661	810	
GSM	NA	NA	NA	NA	NA	NA	GMSK
GPRS/12	30.08	30.03	30.01	29.68	29.63	29.60	GMSK
EGPRS/12	30.67	30.83	30.62	23.60	24.26	24.75	8PSK