



HAC Update

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2010 Ruling

Changes to Equipment Authorization

Application

Currently a Draft Publication

- 1. Test report shall list air interfaces/bands indicating operating modes.**
- 2. Grant note and grant comments.**
- 3. Disclosure exhibits.**



Test Report shall list Air Interfaces/Bands Indicating Operating Modes Example Only

Air-Interface	Band (MHZ)	Type	C63.19/ tested	Simultaneous Transmissions Note: Not to be tested	Concurrent single transmission	Reduced power 20.19 (c) (1)	Voice Over Digital Transport (Data)
GSM	800	VO	Yes	Yes WIFI or LTE	Yes: GPRS/ EDGE, LTE, WIFI Not rated	No	NA
	1900					Yes	NA
	GPRS/ EDGE	DT	NA	NA	Yes: * see note	NA*	Yes
LTE	800 1900 1700	V/D	NA	Yes GSM	Yes: * see note	NA**	Yes
WIFI	2400 5000	DT	NA	YES GSM	NA*	NA*	Yes

VO Voice CMRS/PSTN Service Only
V/D Voice CMRS /PSTN and Data Service
DT Digital Transport

* HAC Rating was not based on concurrent voice and data modes, Non current mode was found to represent worst case rating. for both M and T rating



Grant Notes and Grant Comments

- Use “HC” Grant note for HAC Rated Phones and
 - ✓ Grant Comments: “ HAC Rating M#T\$-2006 or M#T\$-2006, M#T\$-2006”,
 - ✓ ***“HAC rating requires user activation of a special mode for GSM operation in the 1900 MHz band.”***- If user must select **GSM 1900 MHz Band power reduction for HAC rating**“
- Add the additional grant note “HX” if interface bands supporting voice or voice over data applications not included in C63.19-2007 or have simultaneous transmissions.
 - ✓ And add the grant comment text ***“This phone has been tested and rated for use with hearing aids for only some of the wireless technologies that it uses”***
 - ★ Note The Grant Note HX is not applicable for Air Interfaces/bands that have no capability to support voice or third party voice applications (i.e. API’s do not have the right to use the ear piece and microphone).



Disclosure Exhibits

- ★ The HAC rating per Section 20.19(f)(1);
- ★ An explanation of the ANSI C63.19 rating system per Section 20.19(f)(1);
- ★ Handsets HAC rated that operate with both defined and not defined air interfaces/ bands (grant note “HX) disclosure statements per Section 20.19(f)(2);
- ★ Handsets HAC rated for the GSM air-interface in the 1900 MHz Band using the user selectable mode of reducing the power under the provisions of Section 20.19(c)(1) shall provide a disclosure as defined in Section 20.19(f)(3).