



MOTOROLA

June 30, 2006

Supplement to HAC Test Report for Motorola portable cellular phone (FCC ID IHDT56EL1)

Prepared by:

Katerina Royzen

Motorola Personal Communications Sector Product Safety Laboratory

Libertyville, Illinois

There was a request for additional information regarding Motorola's HAC Test Reports for Motorola portable cellular phone (FCC ID IHDT56EL1). The requested information is addressed below in the same numbering sequence received.

A) Regarding your answers to question 1 the mentioned data for 1/8 vocoder could not be located. Please locate.

RESPONSE: The 1/8 vocoder data is located in Table 7 and Table 9 of the “HAC Test Report for RF Emissions IHDT56EL1” and Table 5 of the “HAC Test Report for T-coil IHDT56EL1 REV 3”.

B) Regarding your answers to question 2 please provide the mentioned validation data for ABM2.

RESPONSE:

Comparison of 1kHz narrowband signal driven externally into TMFS coil

ABM1 @ 1kHz	ABM2 @ 1kHz	difference
-25.122	-25.124	0.002 dB

Frequency dependent ABM1 - ABM2 with broadband noise and narrowband tones driven externally into TMFS coil

Frequency	dB difference ABM1-ABM2 broadband signal	dB difference ABM1-ABM2 single frequency signals	ideal value for ABM1-ABM2	variance from ideal broadband	variance from ideal single frequencies
200		22.062	22.35		0.288
250			17.89		
315			14.03		
400		10.371	10.39		0.019
500	6.852		7.18	0.328	
630	4.228		4.36	0.132	
800	1.587	1.881	1.88	0.293	-0.001
1000	0.013	0.013	0	-0.013	-0.013
1250	-1.473		-1.46	0.013	
1600	-2.72		-2.58	0.14	
2000	-3.535	-3.235	-3.24	0.295	-0.005
2500	-3.738		-3.67	0.068	
3150	-3.837		-3.79	0.047	
4000	-3.733	-3.744	-3.75	-0.017	-0.006
5000	-3.283	-3.336	-3.34	-0.057	-0.004
maximum variation from ideal:				0.328 dB	

C) Regarding your answer to question 4, for step b) at what locations are the background noise measurements made? For steps c and d are both ABM1 and ABM2 measured at each scan point?

RESPONSE: The background noise is measured at the center of the listening area. In step c, only ABM1 is measured in order to find the location of the t-coil source. In steps d and e, both ABM1 and ABM2 are measured in order to find the location of the SNR point.

D) Regarding your answer to question 14, Please explain further justification that 10 KHz is worst case. Please demonstrate that the reduced VBW measurement is accurate. One means is to reduce VBW to 30 Hz and show that average power can be accurately measured.

RESPONSE: We re-tested PMF measurements at 30 kHz. "HAC Test Report for RF Emissions IHDT56EL1 REV2 from June 30, 2006" and "HAC Test Report for T-coil IHDT56EL1 REV 3 from June 30, 2006" have been modified to account for the new PMF measurements.