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Supplement to SAR Test Report for Motorola portable cellular phone (FCC ID IHDT6ZT1).

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## 1. Summary of FCC request for additional information

There was a request for additional information regarding relationship between the use of the product and the SAR test data submitted with the Report for Motorola's portable cellular phone (FCC ID: IHDT6ZT1) dated June 6, 2000. The requested information may be summarized as follows:

SAR data for this Class II Permissive Change was submitted ONLY with the antenna retracted but the original filing has maximum SAR with the antenna extended. There is insufficient SAR data to support the worst case SAR because antenna retracted has quite a bit lower SAR than the original application. Please confirm maximum SAR for body-worn for both antenna extended and retracted positions.

## 2. Additional SAR data against phantom head

The original filing for the Motorola portable cellular phone (FCC ID: IHDT6ZT1), dated March 7, 2000, had the following SAR data for test measurements performed against the phantom head:

Original Filing 1900MHz Digital Channel	Left Side Head		Right side head		Conducted Power (Watts)
	Ant Ret	Ant Ext	Ant Ret	Ant Ext	
25	0.54	0.99	0.80	1.06	0.25
600	0.59	1.18	<b>0.96</b>	1.23	0.25
1175	<b>0.59</b>	<b>1.22</b>	0.92	<b>1.35</b>	0.25

The Class 2 permissive change is being requested based on the following SAR data for test measurements against the head:

Class 2 Filing 1900MHz Digital Channel	Left Side Head		Right side head		Conducted Power (Watts)
	Ant Ret	Ant Ext	Ant Ret	Ant Ext	
25	0.81	1.10	<b>1.13</b>	1.00	0.25
600	0.63	0.91	0.78	0.81	0.25
1175	<b>0.84</b>	<b>1.28</b>	1.11	<b>1.20</b>	0.25

### 3. Additional SAR data for Body-worn Configuration

The original filing for the Motorola portable cellular phone (FCC ID: IHDT6ZT1), dated March 7, 2000, had the following SAR data for test measurements performed in the body-worn configuration with the plastic belt-clip.

1900MHz Digital Mode	Ant Ret	Ant Ext
25	<b>0.26</b>	0.15
600	0.24	0.16
1175	0.17	<b>0.19</b>

The Class 2 permissive change is being requested based on the following SAR data for test measurements in the body-worn configuration with the plastic belt-clip:

1900MHz Digital Mode	Ant Ret	Ant Ext
25	<b>0.23</b>	0.13
600	0.18	0.13
1175	0.19	<b>0.18</b>

### 4. Reported Parameters

Only this particular housing provides an increased in SAR against the phantom head for the antenna retracted position. Previous versions of the housing maintain a maximum SAR of 1.28 against the phantom head with an antenna extended condition. Similarly, the body worn SAR values have not degraded for this particular housing. To cover all possible configurations, Motorola requests that maximum reported parameters for FCC ID: IHDT6ZT1 be recorded as:

- Head (antenna retracted): 1.13 W/kg
- Head (antenna extended): **1.35 W/kg**
- Body worn (antenna retracted): **0.26 W/kg**
- Body worn (antenna extended): 0.19 W/kg

Motorola understands that only the highest values for head and body worn conditions will be listed on the grant. The request is made to ensure an accurate baseline for all reported test configurations.