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Supplement to EMC Test Report for Motorola portable cellular phone (FCC ID IHDP56LF1)

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Summary of FCC request for additional information

There was a request for additional information regarding Motorola’s EMC Test Report for Motorola portable cellular phone (FCC ID IHDP56LF1). The requested information is addressed below in the same numbering sequence received.

1. Time of occupancy (dwell time): Please submit additional info/data showing that the average time of occupancy on any channel does not exceed 0.4s over a period of $0.4 \times 79 \text{ch} = 31.6\text{s}$ per 15.247(a)(iii).
2. 20dB bandwidth: Please indicate whether device meets pt 15.247 requirements (i.e. $2/3 \text{ 20bandwidth} < \text{channel separation}$).

Response:

1. The following table was created to address question 1.

Packet type	Hop rate (1/s)	Time slot Length (ms)	Dwell time (ms)	Limit (ms)	Conclusion
DH5	320	2.884	369	400	Pass

Note: Hop rate = $1600/5 * 1/s$ for DH5 packets =320

Dwell time = time slot length * hop rate * 0.4s

2. The following table was created to address question 2.

Channel	Frequency (Mhz)	20dB Bandwidth (Khz)
39	2441	970
39 (EDR)	2441	1410