UPCS / LE-PCS (DECT 6.0 based) – Implementation Conformance Statement

DUT	Description : DECT M5 Radio Module Ceotronics Model : M5Ceo_1 (HMO-1000310) Use : Wireless intercom system			
		FP	PP	Repeater (WRS)
	System	☒	☒	☐
	Type	Module	Module	
	HW version	1	1	
	SW version	3.x.x	3.x.x	
	RFPI / PIN	not yet available	not yet available	
	Decl. emission BW	1.45 MHz	1.45 MHz	
	Decl. lower threshold	-82.4 dBm	-82.4 dBm	
	Decl.upper threshold [1)]	-62.4 dBm	-62.4 dBm	

Product information	Standard:	☒ FCC part 15D	☐ IC RSS-213 Issue 2
	Frequency band:	☒ 1920 – 1930 MHz	☐ other:
	Number of RF channels:	5	
	Number of logical channels:	60 (time and spectrum windows)	
	Used slot type:	☒ single	☐ double
	Used slot(s):	☒ even	☒ odd
	Operating mode:	☒ duplex	☐ other:
	Does the PP support FP functionality (e.g. Walkie-Talkie)?	☒ no	☐ yes:
	FP and WRS, only: What is the maximum number of active connections the DUT can support?	4 (6 during handover)	
	Number of used RF modules:	FP: 1	PP: 1

[1)] if applicable

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Product information

Antennas:

FP/WRS:	Antenna	Type	Gain [dBi]	internal	external
	1	Inverted-F	0	☒	☐
	2	Inverted-F	0	☒	☐
	3			☐	☐
	Do Tx and Rx use the same antenna(s)?: ☒ Yes ☐ No				

PP:	Antenna	Type	Gain [dBi]	internal	external
	1	Inverted-F	0	☒	☐
	2	Inverted-F	0	☒	☐
	3			☐	☐
	Do Tx and Rx use the same antenna(s)?: ☒ Yes ☐ No				

Antenna diversity: [1)]

	Antenna	Diversity supported	
		Tx	Rx
FP/WRS	1	☒	☒
	2	☒	☒
	3	☐	☐
PP	1	☒	☒
	2	☒	☒
	3	☐	☐

[1)] if applicable

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Product information

Supply and supported temperature ranges (Manufacturer declaration):

	FP	PP	Repeater (WRS)
U_{normal} [V]	3.6 V	3.6 V	
U_{min} [V]	3.2 V	3.2 V	
Umax [V]	4.6 V	4.6 V	
Tmin [°C]	-10 °C	-10 °C	
Tmax [°C]	55 °C	55 °C	

Power Source	Type	Manufacturer
FP or WRS	External (DUT is a module)	
PP (charger)	External (DUT is a module)	

Data connection: ☐ PSTN ☒ other

Used radio module [1]:

Type : Manufacturer:

Ancillary equipment [1]:

Description : M5 Evaluation Board

Type : M5Eval_2

Manufacturer : Fraunhofer IIS

Host device [1]:

Description :

Type :

Manufacturer :

Product information

Control software [1]:

Name :

Version :

Manufacturer :

Additional remarks:

[1] if applicable

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Manufacturer declarations

FCC 15.323 (c) (5), RSS-213 4.3.4 (b) (5):
This device or group of co-operating devices located within 1 meter of each other shall not during any frame period occupy more than 6 MHz of aggregate bandwidth, or alternatively more than one third of the time and spectrum windows defined by the system.

Manufacturer agrees: ☒ Yes ☐ No

FCC 15.323 (c) (12), RSS-213 4.3.4 (b) (12):
This device shall not use the provisions of (c) (10) or (c) (11) to extend the range of spectrum occupied over space or time for the purpose of denying fair access to spectrum to other devices.

Manufacturer agrees: ☒ Yes ☐ No

FCC 15.307 (b):
The applicant is a participating member of UTAM, Inc. and will provide a related affidavit from UTAM, Inc. in course of certification.

Confirmation by applicant: ☒ Yes ☐ No

FCC 15.319 (f), RSS-213 4.3.4 (a) Automatic discontinuation of transmission:
This device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. Automatic break off the transmissions means break off of connection and break of transmissions which are not control and signalling information or repetitive codes of complete frame or burst intervals. In case of devices using basics of DECT 6.0 technology at least fixed parts and repeaters are using control and signalling information without direct connection to their remote station.

Please fill in the table below with the reaction of the EUT (FP and/or PP) using A, B or C.

	Situation	Reaction of EUT		Verdict
		FP	PP	
1	Switch-off counter part	B	A	Pass
2	Hook-on by counter part	B	C	Pass
3	Switch-off by EUT	A	A	Pass
4	Hook-on at EUT side	B	C	Pass
5	Remove power from EUT	A	C	Pass
6	Remove power from counterpart	B	A	Pass

A – Connection break down, cease of transmit
B – Connection break down, EUT transmits signalling information
C – Connection break down, counter part transmits signalling information

Supplement

Additional remarks:

Declared by:

Date: 2007-09-05 Name (print): Berthold Hemer Signature:

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[1] if applicable

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