

FCC Part 15D – Compliance Information

EUT AND PRODUCT INFORMATION

Type of Equipment	UPCS (DECT 6.0)
Applicant Name	Avaya Inc
Address	4655 Great America Pkwy, Santa Clara, CA 95054 USA
Contact	Ian Hawes
Telephone	613-967-5545
Email	ianhawes@avaya.com
Brand Name	Avaya

	FP	PP	Repeater		
EUT Type/System	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
FCC ID	TYM-H175				
Industry Canada ID	3794H-H175				
Model name	H175				
HW Version	2.1				
SW Version					
Maximum Antenna Gain					
Can the EUT be Initiating Device	<input type="checkbox"/> YES	<input type="checkbox"/> YES	<input type="checkbox"/> YES		
Does the EUT transmit signaling channels	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> YES	<input type="checkbox"/> YES		
Max. # of slots in use simultaneously					
Test standard:	<input checked="" type="checkbox"/> FCC part 15D	<input checked="" type="checkbox"/> RSS-213, Issue 2 / RSS-GEN, Issue 3			
Frequency Band	1921.536 – 1928.448 MHz				
Number of RF Channels	5				
Frame Period	10 ms				
Max. Burst length					
Min. Burst Length					
Min. # of System Channels					
Supported DECT Slot Types	<input type="checkbox"/> Full Slot	<input type="checkbox"/> Long Slot	<input type="checkbox"/> Double Slot		
Operating Mode	<input type="checkbox"/> Simplex	<input checked="" type="checkbox"/> Duplex			

FCC Part 15D – Compliance Information

ANTENNAS				
Base (FP)	Antenna	Type	Internal	External
	1	Uses PCB printed antenna.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	2	Uses PCB printed antenna	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	3		<input type="checkbox"/>	<input type="checkbox"/>
	4		<input type="checkbox"/>	<input type="checkbox"/>
Does RX and TX use the same antenna(s)?			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Handset (PP)	Antenna	Type	Internal	External
	1	2	3	4
Does RX and TX use the same antenna(s)?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	

ANTENNA DIVERSITY				
	Antenna	Diversity Supported		
		TX	RX	
Base (FP)	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	3	<input type="checkbox"/>	<input type="checkbox"/>	
	4	<input type="checkbox"/>	<input type="checkbox"/>	
Handset (PP)	1	<input type="checkbox"/>	<input type="checkbox"/>	
	2	<input type="checkbox"/>	<input type="checkbox"/>	

VOLTAGE AND TEMPERATURE RANGES				
VOLTAGES	FP	PP	Repeater	
Nominal Voltage				
Cut-Off Voltage (if applicable)				
POWER SOURCE	Type		Manufacturer	
Base or Repeater				
Handset (PP) (charger)				
Data Connections	<input type="checkbox"/> PSTN <input type="checkbox"/> Others (please specify)			



FCC Part 15D – Compliance Information

ANCILLARY EQUIPMENT	
Description	
Type	
Manufacturer	

HOST DEVICE	
Description	
Type	
Manufacturer	

ADDITIONAL INFORMATION	

FCC Part 15D – Compliance Information

MANUFACTURERS DECLARATIONS		
FCC part 15.323 (c)(5)		
The applicant declares that the system in this application has more than 20 duplex system access channels defined, and that the system is operating in Least Interfered Channel (LIC) mode in accordance with this section.		
Applicant Agrees	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
FCC part 15.323 (c)(5)		
No device or group of co-operating devices located within 1m of each other shall 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.		
Applicant Agrees	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
FCC part 15.323 (c)(10)		
The applicant hereby declares that the system in this application does use the criteria of (c)(10) of this section.		
Applicant Agrees	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
FCC part 15.323 (c)(11)		
The applicant hereby declares that system in this application does not use the criteria of (c)(11) of this section.		
Applicant Agrees	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
FCC part 15.323 (c)(12)		
The provisions of (c)(10) or (c)(11) of this section shall not be used to extend the range of spectrum occupied over space or time for the purpose of denying fair access to spectrum to other devices.		
Applicant Agrees	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
ADDITIONAL REMARKS:		
>		
DECLARED BY:		
➤ 28 April 2015	➤ Ian Hawes	 Signature
Date	Name (print)	

FCC Part 15D – Compliance Information

About this document

This document specifies the information that is needed to select the correct testcases and test procedures for testing to FCC Part 15D. The form must be completed by the applicant and submitted to Nemko before testing is started.

Preparation of Equipment for Testing

Note (a): Number of samples for testing

The following samples are needed for FCC 15D testing:

RF Conducted Tests:

One sample with a 50 ohm antenna connector (preferably SMA Female). Only one antenna connector is needed for these tests even if the equipment has more than one antenna.

Monitoring Tests:

One sample with 50 ohm antenna connectors fitted to all antennas (preferably SMA female). Additionally we need a companion device that will work together with the EUT, the companion device must also have antenna connectors on all antennas.

Radiated Tests:

One sample with integral antennas. This sample will be used to measure Antenna Gain, Part 15B and Power-Line Conducted tests.

Note (b): Monitoring Tests

Monitoring tests are performed by establishing a connection from the handset (or the initiating device) to the base station (or the responding device). Most tests are performed by establishing connections from the initiating device to the responding device and observing which channel and/or timeslot is used.

For monitoring tests we need a EUT and a Companion device that both have antenna connectors on all antennas (preferably SMA female, again). Additionally, we need access to the CLK100 signal on the Base Station, this is necessary because some of the tests require that the interferers are synced to the DECT frame.

Note (c): Connection to an external power supply

Means of connecting the equipment to an external power supply shall be supplied by the applicant together with the equipment to be tested.

Battery operated equipment shall be supplied with the necessary batteries and chargers. All tests on battery operated equipment will be performed with batteries.

Note (d): Burst Mode

Most RF tests are performed with the EUT in force transmit mode. Software and necessary programming tools must be submitted to Nemko together with the test samples before start of testing.

Note (e): Test-Mode (Loopback Mode)

Some FCC test may also be performed in Loopback Mode with a CMD60 or similar DECT tester. If loopback mode is implemented in the EUT, the method for setting the equipment in Loopback should be submitted to Nemko together with the test samples before start of testing.