

EUT AND PRODUCT INFORMATION

Type of Equipment	UPCS (DECT 6.0)
Applicant Name	Panasonic Corporation of North America
Address	Two Riverfront Plaza, 9th Floor Newark, NJ 07102-5490
Contact	Richard Mullen
Telephone	+1-201-348-7758
Email	Richard.Mullen@us.panasonic.com
Brand Name	Panasonic
Model Number	KX-TGE270
Hardware Version	
Software Version	
Grantee Code	
IC Company Number	

1. Basic Information			
FCC 15 Part	☒ 15.247	☐ 15.249	☐ Other
Please specify if other:			
Type of Equipment	☒ FHSS	☐ DTS	☐ Other
Please specify if other:			
Classification of EUT	☐ Portable	☐ Mobile	☒ Fixed
Lowest Operating Frequency	0CH 2402MHz		
Highest Operating Frequency	78CH 2480MHz		
Nominal Output Power	7 dBm		
Maximum Duty Cycle (in actual use)			
Operating Mode (list all)			
Modulation Type (list all)	GFSK		
Nominal 99% Bandwidth	1MHz		
Maximum Number of channels	79ch		
Channel Separation	1MHz		
Number of Antennas	TX : 1 , RX : 1		
Antenna Diversity Supported	☐ Yes	☒ No	
Smart Antenna System	☐ Yes	☒ No	
Reduced output power on any channels	☐ Yes	☒ No	
If YES, please specify:			

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2. FHSS Equipment (fill in if FHSS Equipment, FCC 15.247)		
Adaptive Frequency Hopping	☒ Yes	☐ No
If YES, please specify minimum number of hopping channels :		

3. DTS Equipment (fill in if DTS Equipment, FCC 15.247)	
Nominal 6 dB Bandwidth	

4. Bluetooth Equipment (fill in if Bluetooth Equipment)		
BT 2.0 EDR ?	☒ Yes	☐ No
BT 3.0 HS ?	☐ Yes	☒ No
BT Low Energy	☐ Yes	☒ No

5. 2.4GHz WLAN Equipment (fill in if 2.4GHz WLAN Equipment)				
Supported Operating Modes	☐ 802.11b	☐ 802.11g	☐ 802.11n	☐ 802.11ac
40 MHz mode supported	☐ Yes		☐ No	
Number of Antennas	TX :1 , RX : 1			
Antenna Diversity Supported	☐ Yes		☐ No	
Smart Antenna System	☐ Yes		☐ No	
If Smart Antenna System supported, please specify number of streams				
If number of channels differ in any of the operating modes, please specify:				

6. 5GHz WLAN Equipment (fill in if 5GHz WLAN Equipment)			
Supported Operating Modes	☐ 802.11a	☐ 802.11n	☐ 802.11ac
Supported Frequency Bands	☐ 5150 – 5250 MHz		☐ 5250 – 5350 MHz
	☐ 5470 – 5725 MHz		☐ 5725 – 5825 MHz
DFS Supported	☐ Yes		☐ No
If DFS, what mode	☐ Master		☐ Slave
40 MHz mode supported	☐ Yes		☐ No
Number of Antennas			
Antenna Diversity Supported	☐ Yes		☐ No
Smart Antenna System	☐ Yes		☐ No
If Smart Antenna System supported, please specify number of streams			
If Output Power is reduced on any channels in one of the Frequency Bands, please specify:			
If number of channels differ in any of the operating modes, please specify:			

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6. Power Supply and Connections			
Type of Power Supply	☒ Mains	☐ Battery	☐ Other
Please specify if other than Mains			
Nominal Voltage	1.8V		
Please specify all connections on the EUT:			

ADDITIONAL REMARKS:		
DECLARED BY:	Richard Mullen	<i><u>Richard Mullen</u></i>
December 5, 2013		

About this document

This document specifies the information that is needed to select the correct testcases and test procedures for testing to FCC Part 15C. 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**

In general, the following samples are needed for FCC 15C testing:

RF Conducted Tests:

One sample with a 50 ohm antenna connector (preferably SMA Female). Only one antenna connector is normally needed even if the equipment has more than one antenna, however EUTs with Smart Antenna Systems must have antenna connectors on all antennas.

Radiated Tests:

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

If it is not possible to mount antenna connector(s) on the EUT all tests will be performed radiated or with a test jig. In this case the applicant shall always supply a value for the antenna gain.

Note (b): 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 new or fully charged batteries.

Note (c): Test Modes

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.

All tests will normally be performed on 3 channels and with all supported modulation types.

Frequency hopping equipment will be tested both with hopping active and without hopping.

Equipment with digital modulations other than Frequency hopping should transmit with as high duty cycle as possible.