FCC 15C – Product Information

EUT AND PRODUCT INFORMATION

Type of Equipment	Wireless Microphone (ALD)
Applicant Name	Phonak Communications AG
Address	Laenggasse 17, CH-3280 Murten, Switzerland
Contact	Neviana Nikoloski
Telephone	+41 266729242
Email	neviana.nikoloski@phonak.com
Brand Name	Phonak
Model Number	Roger Table Mic II
Hardware Version	V2
Software Version	W1801
FCC ID	KWC-TX29V1
IC ID	2262A-TX29V1

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1. Basic Information			
FCC 15 Part	☐ 15.247	☐ 15.249	☐ Other
Please specify if other: 15.247, 15.231			
Type of Equipment	☒ FHSS	☐ DTS	☒ Other
Please specify if other: Hybrid system with both DSSS and FHSS for 2.4GHz radio and SRD 434.05MHz receiver (DSS, CYY)			
Classification of EUT	☒ Portable	☐ Mobile	☐ Fixed
Lowest Operating Frequency	2402 MHz		
Highest Operating Frequency	2480 MHz		
Nominal Output Power	17.9 dBm		
Maximum Duty Cycle (in actual use)	(140us+3*164us+3*96us)/4000us = 0.23		
Operating Mode (list all)	Continuous pick-up and transfer of speech over 2.4GHz radio. Remote mute and pickup-range via external remote control Battery charging		
Modulation Type (list all)	GFSK		
Nominal 99% Bandwidth			
Maximum Number of channels	40		
Channel Separation	2 MHz		
Number of Antennas	1		
Antenna Diversity Supported	☐ Yes	☒ No	
Smart Antenna System	☐ Yes	☒ No	
Reduced output power on any channels	☒ Yes	☐ No	
If YES, please specify: 2480 MHz			

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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 :		30

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
Supported Channel Bandwidths	☐ 40 MHz			
Number of Antennas				
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
Device type	☐ Master		☐ Slave
DFS Supported	☐ Yes		☐ No
Supported Channel Bandwidths	☐ 40 MHz	☐ 80 MHz	☐ 160 MHz
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	3.7VDC (primary internal Li polymer battery) or 5VDC (Secondary USB Power supply, 100-240VAC / 50/60Hz for battery charging and operation)		
Nominal Voltage	3.7V		
Please specify all connections on the EUT: • USB for battery charging • Audio line in			

ADDITIONAL REMARKS:

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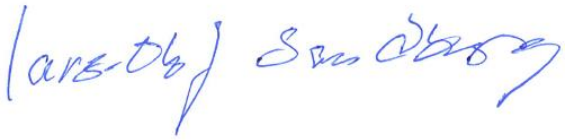
DECLARED BY:



2018-02-16	Lars-Olof Sandberg	
Date	Name (print)	Signature

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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.