



FCC Part 15D Application Form & Self-Declaration

Manufacturer:	David Clark Company, Inc.
Model Number:	U9120-W4
Serial Number:	8208-20
Description:	Digital Intercom Wireless Gateway. Relay for all audio interface between Wireless Belt Station users and the U9100 Master Station and connected ancillaries.
Power Source:	48 VDC (Ethernet POE)
Hardware Revision:	V43000G-32AY Rev 4 Assy # V43000G-32AY Rev 3
Modulation Type:	GFSK
Operating Frequencies:	1921.536 -1928.448 MHz
Emission Designator:	1M45F7E (FCC), 1M23F7E (IC)
Antenna Gain:	2.13 dBi – External antenna: -5.84 dBi – Internal antenna: PCB Board

Number of channels:	5
Carriers frequency (MHz)	1921.536 1923.264 1924.992 1926.720 1928.448
Maximum Peak Power Level (dBm)	18.80 18.83 18.82
Nominal Receive Bandwidth	+/- 500 kHz
Frame period (ms)	10
Timeslot Plan	24 timeslots per frame. First 12 timeslots used for FP transmissions.
Nominal Burst Length (us)	381.00 µs
Operating Temperature Range (°C)	Min -20 Max +50

Does a system built with the EUT that implement the provisions of 47CFR 15.323(c)(5) enabling the use of the upper threshold for deferral?	☒ Yes ☐ No
According to 47CFR 15.323(c)(5), does your model not use bandwidth in further cooperation with other devices at any range?	☒ Yes ☐ No
Does a system built using the EUT that operate under the provisions of 47CFR 15.323(c)(6) incorporating provisions for waiting for a channel to go clear?	☐ Yes ☒ No
According to 47CFR 15.323(c)(8), does EUT use the same antennas for transmission and reception as for monitoring?	☒ Yes ☐ No
Does a system built using the EUT that operate under the provisions of 47CFR 15.323(c)(10) to test for deferral only in conjunction with a companion device?	☐ Yes ☒ No
Does a system built with the EUT that operate under the provisions of 47CFR 15.323(c)(11) enabling the access criteria check on the receive channel while in the presence of collocated interferers?	☐ Yes ☒ No
According to 47CFR 15.323(c)(12), does EUT not work in a mode which denies fair access to spectrum for other devices?	☒ Yes ☐ No
Does your model have the monitoring made through the radio receiver used for communications?	☒ Yes ☐ No
Does your model transmit control and signaling channels?	☒ Yes ☐ No
According to 47CFR 15.319(b), do all transmissions use only digital modulation techniques?	☒ Yes ☐ No

The provisions within the EUT for self-check, by which compliance with 47 CFR 15.319(f) is obtained:	A- Connection break down, cease of transmit	1	Switch – off counterpart	B
	B- Connection break down, EUT transmits signaling information	2	Hook-on by counterpart	--
	C- Connection break down, counter part transmits signaling information	3	Switch- off by EUT	A
		4	Hook -on on EUT side	--
		5	Remove power from EUT	A
		6	Remove power from counterpart	B

DECLARED BY: David Clark Company

14 Jul-16
Date

DAVID J. TRUESDELL
Name (print)

[Signature]
Signature