FCC Part 15D Application Form & Self-Declaration

Manufacturer:	**ARRIS International, Inc.**
Model Numbers**:**	**TG1682**
Serial Number**:**	**E18BUE342300157**
Description**:**	**The TG1682 provides a DECT interface so remote handsets can be used in a VoIP configuration over the coaxial cable provider's network.**
Power Source**:**	**120 VAC, 60 Hz**
Hardware Revision**:**	**New DECT Antennas**
Modulation Type:	**GFSK**
Operating Frequencies:	**1921.536 -1928.448 MHz**
Emission Designator:	**1M48F7E (FCC), 1M21F7E (IC)**
Antenna Gain:	**2.79 dBi (ANT0), 3.06 dBI (ANT1)**

Number of channels:	**5**				
Carriers frequency (MHz)	**1921.536**	**1923.264**	**1924.992**	**1926.720**	**1928.448**
Maximum Peak Power Level (dBm)	**19.07**		**19.14**		**19.19**
Nominal Receive Bandwidth	**+/- 500 kHz**				
Frame period (ms)	**10**				
Timeslot Plan	**24 timeslots per frame. First 12 timeslots are used for PP transmissions and the other 12 timeslots are used for FP transmissions**				
Nominal Burst Length (us)	**385.5 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) regarding the process of selecting the least interfering channel (LIC)?	☒ 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? (eg Random Waiting)	☐ Yes ☒ No
According to 47CRF15.323(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? (eg Duplex Connections)	☐ 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 15.307(b), does the applicant have the affidavit from UTAM Inc.?	☒ 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
B- Connection break down, EUT transmits signaling information
C- Connection break down, counter part transmits signaling information

	Test case	Reaction of EUT
1	Switch – off counterpart	B
2	Hook – on by counterpart	-
3	Switch – off by EUT	A
4	Hook – on at EUT side	-
5	Remove power from EUT	A
6	Remove power from counterpart	B

DECLARED BY: ARRIS International, Inc.

Date _____ Name (print) _____ Signature _____

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