

**FCC Test Plan**  
**For**  
**Airspan "ATG RU" to 47CFR15.247**  
**FCC ID:O2J-ATGRU**

**Radiated emissions and AC mains conducted emissions**

**SC\_AIR\_TP14\_A**

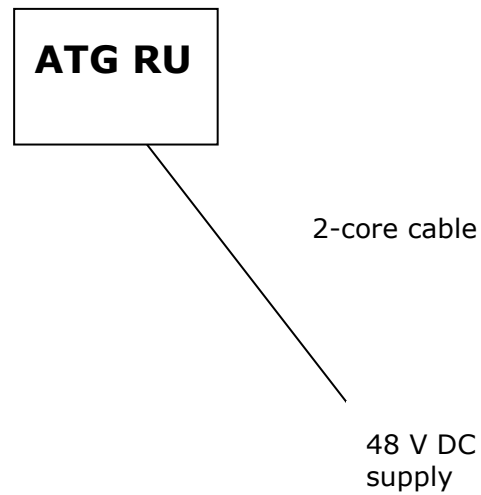
## **1 Purpose**

This document outlines the radiated emissions test to be performed on the Airspan ATG against FCC 15.247

## **2 Associated Documents**

- |     |                  |  |
|-----|------------------|--|
| [1] | Title 47 CFR15   | Federal Communications Commission Title 47 Code of Federal Regulations Part 15                                     |
| [2] | ANSI C63.10-2013 | IEEE American National Standard for Testing Unlicensed Wireless Devices Committee 63 standard 63-10. 27 June 2013. |

### 3 Test Configuration



**Figure 1: Test Configuration**

- All antenna ports set to transmit at their maximum transmit power.
- All antenna ports terminated with 50  $\Omega$ .

#### 3.1 Equipment under test

Name	Manufacturer	Part Number	Serial Number
ATG RU	Airspan	ATG-402-00-922	

**Table 1: Equipment under test**

### 3.2 Operating modes

#### **50 MHz single channel**

Channel	Modulation
50 MHz	QPSK
	16 QAM
	64 QAM

#### **2x 2.88 MHz RBs / channels**

Mode	RGB Centre Frequencies (MHz)	Modulation
0x10040	2430.48 and 2459.28	QPSK
		16 QAM
		64 QAM
0x00404	2447.76 and 2470.80	QPSK
		16 QAM
		64 QAM
0x00011	2465.04 and 2476.56	QPSK
		16 QAM
		64 QAM

#### **1x RB / channel**

RGB Centre Frequencies (MHz)	Modulation
2476.56	QPSK