EMT **ELECTRO MAGNETIC TEST, INC.**
1547 Plymouth Street, Mountain View, CA 94043 Tel: (650) 965-4000 Fax: (650) 965-3000

*FCC PART 15.407, SUBPART E*
*IC RSS-247*
*TEST REPORT*

*for*

*the*

Access Point

Model: A5x

Prepared for

Airspan Networks
469 El Camino Real, Suite 100,
Santa Clara, Ca. 95050

Prepared by: _____
Andreas Davidsson

Approved by: _____
Kevin Bothmann

Electro Magnetic Test, Inc.
1547 Plymouth Street
Mountain View, California 94043
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Date: November 19, 2019

| | REPORT BODY | APPENDICES | | | | TOTAL |
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NVLAP TESTING NVLAP LAB CODE 200147-0

Electro Magnetic Test, Inc. (EMT) is accredited by NVLAP, Lab Code 200147-0 to perform the tests listed in this report, except where noted otherwise. This report and the information contained herein represent the test results related only to the sample tested. This report should not be relied upon as an endorsement or certification by EMT or NVLAP for the sample tested, nor does it represent any statement whatsoever as to its marketing status or fitness of the equipment for a particular purpose.

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## REVISION HISTORY

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## LIST OF APPENDICES

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## GENERAL REPORT SUMMARY

This electromagnetic emission test report is generated by Electro Magnetic Test, Inc., which is an independent testing and consulting firm. The test report is based on testing performed Electro Magnetic Test, Inc. personnel according to the measurement procedure described in the test specification given below and in the "Test Procedures" section of this report.

The measurement data and conclusions appearing herein relate only to the sample tested and this report may not be reproduced in any form unless done so in full.

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Federal Government.

The measurement data and conclusions contained in this test report are deemed satisfactory evidence of compliance with Industry Canada Interference-Causing Equipment Standard ICES-003, Issue 6, January 2016.

Electro Magnetic Test, Inc. is recognized by the following agencies for performing EMI/EMC testing:

| COUNTRY | AGENCY | IDENTIFYING # |
|---|---|---|
| USA | Federal Communications Commission (FCC)<br>(EMT's test site is recognized by the FCC) | Registration Number: 90576 |
| USA, Canada, Taiwan, Australia/New Zealand, European Community | National Voluntary Lab Accreditation Program (NVLAP)<br>(EMT is accredited by NVLAP. A copy of the NVLAP Scope Of Accreditation is available upon request.) | Lab Code: 200147-0 |
| Canada | Industry Canada | File No.: IC 2804 |
| Japan | Voluntary Control Council For Interference (VCCI) | A-0118 |
| | Open Field Test Site "A" | - |
| | Mains Conducted Emissions Test Site "D" | - |
| | Telecom Conducted Emissions Test Site "D" | - |
| | 3 Meter Semi-Anechoic Chamber Site "E" | - |
| | 3 Meter Semi-Anechoic Chamber Site "E" (1GHz – 6GHz) | - |
| | Mains Conducted Emissions Test Site "E" | - |
| | Telecom Conducted Emissions Test Site "E" | - |
| Korea | Ministry of Information and Communication's Radio Research Laboratory (RRL) under the Asia Pacific Economic Cooperation (APEC) Mutual Recognition Arrangement (A copy of the Scope Of Accreditation is available upon request) | US0036 |
| Taiwan | Bureau Of Standards, Metrology and Inspection (BSMI) | Reference Number: SL2-IN-E-1024 |
| Australia / New Zealand | Australian Communications Authority (AUSTEL) | * |

*These agencies do not issue an identifying number to test labs.

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## GENERAL REPORT SUMMARY (CONTINUED)

Device Tested: Access Point
Model: A5x
S/N: N/A

Product Description: The EUT is a 5.1 GHz – 5.9 GHz radio with proprietary interface for external antennas.

Modifications: The EUT was not modified during the testing.

Manufacturer: Airspan Networks
469 El Camino Real, Suite 100
Santa Clara Ca. 95050

Test Date(s): October 3, 4, November 7, 2019

Test Specifications: EMI requirements
Limits: CISPR 22: 1997 plus A1:2000 & A2:2002 Class B
FCC Title 47, Part 15 Subpart C
FCC Title 47, Part 15 Subpart E
Test Procedure: ANSI C63.10-2013

Test Deviations: The test procedure was not deviated from during the testing.

## SUMMARY OF TEST RESULTS

| TEST | DESCRIPTION | FCC STANDARD | IC STANDARD | RESULTS |
|---|---|---|---|---|
| 7.1 | Emissions in Restricted and Non-Restricted Bands | 15.209 | RSS-GEN Issue 4, [8.9]<br>RSS 247 Issue 2, [5.5]: | **PASS** |
| 7.2 | Conducted Emissions | 15.207(a) | RSS-GEN Issue 4 [8.8] | **PASS** |
| 7.3 | Occupied Bandwidth | 15.407(e) | RSS 247 Issue 2, [5.2.1, 6.2.4.1] | **PASS** |
| 7.4 | Maximum Peak Output Power | 15.407(a)(1)(iv), 15.407(a)(3) | RSS 247 Issue 2, [5.4.4] | **PASS** |
| 7.5 | Maximum Peak Power Spectral Density | 15.407(a)(1)(iv), 15.407(a)(3) | RSS 247 Issue 2, [5.2.2] | **PASS** |
| 7.6 | Antenna Requirement | 15.203, 15.407(a)(1)(iv), 15.407(a)(2) | N/A | **PASS** |
| 7.7 | Safety Requirements | 15.407(c), 15.407(h), 15.407(a)(1)(iv) | N/A | **PASS** |

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# TECHNICAL DESCRIPTION OF THE EUT

| | |
|---|---|
| **Manufacturer:** | Airspan Networks |
| **Manufacturer Address:** | 469 El Camino Real, Suite 100, Santa Clara, Ca. 95050 |
| **EUT Name:** | Access Point |
| **Model No:** | Model: A5x |
| **Operation frequency:** | 5180MHz to 5250MHz, and 5725MHz to 5850MHz |
| **Channel Number:** | 6 / 6 |
| **Modulation Technology:** | OFDM |
| **Antenna Type:** | TP-Link Dipole Antenna / RF Elements Horn Antenna |
| **Antenna Gain:** | 4.56 - 5.19 dBi / 14.3dBi |
| **Maximum Output Power:** | 25.38 dBm |

**Description of Channel:**

**U-NII-1**

| Bandwidth (MHz) | Frequency (MHz) | Channel | Bandwidth (MHz) | Frequency (MHz) | Channel |
|---|---|---|---|---|---|
| 20 | 5180 | 36 | 20 | 5220 | 44 |
| | 5240 | 48 | | | |
| 40 | 5190 | 38 | 40 | 5230 | 46 |
| 80 | 5210 | 42 | | | |

**U-NII-3**

| | | | | | |
|---|---|---|---|---|---|
| 20 | 5745 | 149 | 20 | 5785 | 157 |
| | 5825 | 165 | | | |
| 40 | 5755 | 151 | 40 | 5795 | 159 |
| 80 | 5775 | 155 | | | |

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## 1. PURPOSE

This document is a qualification test report based on the Electromagnetic Interference (EMI) tests performed on the Access Point Model: A5x. The EMI measurements were performed according to the measurement procedure described in ANSI C63.10-2013. The tests were performed in order to determine whether the electromagnetic emissions from the equipment under test, referred to as EUT hereafter, are within the specification limits defined in FCC Title 47, Part 15, Subpart C and Subpart E.

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# 2. ADMINISTRATIVE DATA

## 2.1 Location of Testing

The EMI tests described herein were performed at the test facility of Electro Magnetic Test, Inc., 1547 Plymouth Street, Mountain View, California, 94043.

## 2.2 Traceability Statement

The calibration certificates of all test equipment used during the test are on file at the location of the test. The measurement results in this report and the calibration of the test equipment are traceable to the National Institute of Standards and Technology (NIST).

## 2.3 Cognizant Personnel

Airspan Networks

| | |
|---|---|
| Aon Mujtaba | SVP Engineering & GM Santa Clara Design Center |

Electro Magnetic Test, Inc.

| | |
|---|---|
| Andreas Davidsson | Test Technician |
| Chinmay Shendurnikar | Test Technician |
| David Vivanco | Test Technician |
| Simeet Gandhi | Test Technician |
| Manan Modi | Test Technician |
| Kevin Bothmann | Lab Manager |

## 2.4 Date Test Sample was Received

The test sample was received on October 2, 2019

## 2.5 Disposition of the Test Sample

The test sample has not yet been returned to Airspan Networks.

## 2.6 Abbreviations and Acronyms

The following abbreviations and acronyms may be used in this document.

| | |
|---|---|
| RF | Radio Frequency |
| EMI | Electromagnetic Interference |
| EUT | Equipment Under Test |
| P/N | Part Number |
| S/N | Serial Number |
| HP | Hewlett Packard |
| ITE | Information Technology Equipment |
| CML | Corrected Meter Limit |
| LISN | Line Impedance Stabilization Network |
| CISPR | International Special Committee On Radio Interference |
| FCC | Federal Communications Commission |

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## 3. APPLICABLE DOCUMENTS

The following documents are referenced or used in the preparation of this EMI Test Report.

| SPEC | TITLE |
|---|---|
| FCC Title 47, Part 15, Subpart E | FCC Rules - Unlicensed National Information Infrastructure Devices |
| ANSI C63.10-2013 | American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices. |
| RSS-Gen Issue 5, April 2018 | General Requirements for Compliance of Radio Apparatus |
| RSS 247, Issue 2, February 2017 | Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices |

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# 4. DESCRIPTION OF TEST CONFIGURATION

## 4.1 Description of Test Configuration - EMI

The EUT was transmitting continuously during all testing.

The EUT was tested in three physical configurations across all modes, flat, vertical with antenna facing upwards, and vertical with antenna facing downwards. The vertical with antenna facing upwards orientation was found to have the highest intentional and unintentional emissions.

The EUT has two types of antenna configurations, one uses two TP-Link dipole antenna and the other is with an RF Elements horn antenna. It was found that the dipole antenna configuration had the highest radiated intentional and unintentional results.

It was determined that the emissions were at their highest level when the EUT was operating in the above configuration. The final conducted as well as radiated data was taken in this mode of operation. All initial investigations were performed with the EMI receiver in manual mode scanning the frequency range continuously.

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### 4.1.1 Cable Construction and Termination

Cable #1

This is a 7 foot foil shielded Cat 6A cable connecting the EUT to the remote power supply. It has a RJ45 connection on both ends of the cable.

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# 5. LISTS OF EUT, ACCESSORIES AND TEST EQUIPMENT

## 5.1 EUT and Accessory List

| EQUIPMENT TYPE | MANUFACTURER | MODEL | SERIAL NUMBER | FCC ID |
|---|---|---|---|---|
| Access Point (EUT) | Airspan Networks | A5x | N/A | 2ABZJ-100-00107 |
| **THE FOLLOWING WERE LOCATED OUTSIDE THE TEST SITE:** | | | | |
| Remote Laptop | Toshiba | Satellite C55-B5299 | 7E056108P | DOC |
| Laptop AC Adapter | Toshiba | PA3822U-1ACA | 200140618512947 | DOC |
| Remote Power Supply | Mimosa | G0566-500-120 | 502-00022 | DOC |
| Remote Switch | Netgear | GS108Tv2 | 29SG615X00690 | DOC |

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## 5.2 EMI Test Equipment

| EQUIPMENT TYPE | MANU-FACTURER | MODEL NUMBER | SERIAL NUMBER | CAL. DATE | CAL. CYCLE |
|---|---|---|---|---|---|
| EMI Receiver | Rohde & Schwarz | ESU40 | 100295 | February 15, 2019 | 1 Year |
| Radiated EMI Software | Sector Design | N/A | Ver.1.4.6 | N/A | N/A |
| EMI Receiver (Conducted EMI) | Rohde & Schwarz | ESU40 | 100295 | February 15, 2019 | 1 Year |
| Conducted EMI Software | ETS-Lindgren | Tile! | Rev. 7.0.12.697 | N/A | N/A |
| Preamplifier | Hewlett Packard | 8447D | 1937A02579 | March 5, 2019 | 1 Year |
| RF Attenuator | Com-Power | LIT-153A | 531175 | December 15, 2018 | 1 Year |
| LISN | Solar Electronics | Type 21107-50-TS-50-N | 21107150701 | January 2, 2019 | 1 Year |
| LISN | Solar Electronics | Type 21107-50-TS-50-N | 21107150702 | January 2, 2019 | 1 Year |
| LISN | Solar Electronics | Type 21107-50-TS-50-N | 21107150703 | January 2, 2019 | 1 Year |
| LISN | Solar Electronics | Type 21107-50-TS-50-N | 21107150704 | January 2, 2019 | 1 Year |
| Biconical Antenna | Com Power | AB-100 | 01557 | July 20, 2019 | 1 Year |
| Log Periodic Antenna | Com Power | AL-100 | 16001 | August 9, 2019 | 1 Year |
| Antenna Mast | Com Power | AM-400 | N/A | N/A | N/A |
| Turntable | Com Power | TT-100 | N/A | N/A | N/A |
| Computer | Dell, Inc. | DHS | DNSV641 | N/A | N/A |
| Printer | Hewlett Packard | C8124A | CN39A220ZD | N/A | N/A |

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## 5.2 EMI Test Equipment (Continued)

| EQUIPMENT TYPE | MANU-FACTURER | MODEL NUMBER | SERIAL NUMBER | CAL. DATE | CAL. CYCLE |
|---|---|---|---|---|---|
| EMI Receiver | Rohde & Schwarz | ESU40 | 100127 | February 16, 2019 | 1 Year |
| EMI Test Software | Rohde & Schwarz | EMC32 | V8.54.0 | N/A | N/A |
| BiConiLog Antenna | ETS-Lindgren | 3143B | 00206757 | August 28, 2019 | 1 Year |
| Horn Antenna | ETS-Lindgren | 3117 | 00109294 | September 18, 2019 | 1 Year |
| Preamplifier | Rohde & Schwarz | TS-PR18 | 100056 | December 12, 2019 | 1 Year |
| Antenna Mast | ETS-Lindgren | 2171B | 00150364 | N/A | N/A |
| Turntable | ETS-Lindgren | 2187-3.0 | 00118231 | N/A | N/A |
| Computer | Dell, Inc. | Precision Tower 3620 | GPQCDH2 | N/A | N/A |
| Multi-Function Controller | ETS-Lindgren | 2090 | 00102270 | N/A | N/A |

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# 6. TEST SITE DESCRIPTION

## 6.1 Test Facility Description

Please refer to the table below and section 7.1 of this report for the details of which sites were used for testing. All sites are located at 1547 Plymouth Street, Mountain View, California 94043.

| Site Used For Test | Site Description |
|---|---|
| | Open Field Test Site "A" |
| | Mains Conducted Emissions Test Site "D" |
| | Telecom Conducted Emissions Test Site "D" |
| X | 3 Meter Semi-Anechoic Chamber Site "E" |
| | Mains Conducted Emissions Test Site "E" |
| | Telecom Conducted Emissions Test Site "E" |

## 6.2 EUT Mounting, Bonding and Grounding

The EUT was mounted on a 1.0 by 1.5 meter non-conductive table 0.8 meters above the ground plane for all tests not including radiated measurements above 1GHz.

For radiated measurements above 1GHz the EUT was mounted on a 0.7 meter non-conductive hollow cube that was placed on a 1.0 by 1.5 meter table 0.8 meters above the ground plane with a total height of 1.5 meters.

The EUT was grounded only through the safety ground in its Cat 6A cable.

## 6.3 Facility Environmental Characteristics

All tests were performed in a climate controlled building. The temperature was 24° C, humidity 45%, and barometric pressure 101.6 kPa.

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# 7. TEST PROCEDURES

The following sections describe the test methods and the specifications for the tests.

## 7.1 Emissions in Restricted and Non-Restricted Bands

### 7.1.1 General Requirements Limit (FCC PART 15 Section 15.209(a)(1), IC-RSS-GEN Issue 4, [8.9])

| Frequency of Emission (MHz) | Field Strength | | Measurement Distance (Meters) |
|---|---|---|---|
| | µV/m | dBµV/m | |
| 0.009-0.49 | 2400/F(kHz) | | 300 |
| 0.49-1.705 | 24000/F(kHz) | | 30 |
| 1.705-30 | 30 | | 30 |
| 30-88 | 100 | 40 | 3 |
| 88-216 | 150 | 43.5 | 3 |
| 216-960 | 200 | 46 | 3 |
| Above 960 | 500 | 54 | 3 |

### 7.1.2 Emissions in Restricted and Non-Restricted Bands Limit (FCC PART 15 Section 15.407, IC-RSS-GEN Issue 4, [8.10], IC-RSS 247 Issue 1, [5.5] )

**Emissions in Restricted and Non-Restricted Bands FCC PART 15 Section 15.407(b(1)):**

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

**Emissions in Restricted and Non-Restricted Bands FCC PART 15 Section 15.407(b(4(i))):**

All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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## 7.1.2 Emissions in Restricted and Non-Restricted Bands Limit (FCC PART 15 Section 15.407, IC-RSS-GEN Issue 4, [8.10], IC-RSS 247 Issue 1, [5.5] ) (Continued)

**Emissions in Restricted Bands IC-RSS-GEN Issue 4, [8.10]:**

Restricted bands, identified in Table 6, are designated primarily for safety-of-life services (distress calling and certain aeronautical bands), certain satellite downlinks, radio astronomy and some government uses. Except where otherwise indicated, the following restrictions apply:

(a) Fundamental components of modulation of licence-exempt radio apparatus shall not fall within the restricted bands of Table 6 except for apparatus complying under RSS-287
(b) Unwanted emissions that fall into restricted bands of Table 6 shall comply with the limits specified in RSS-Gen; and
(c) Unwanted emissions that do not fall within the restricted frequency bands of Table 6 shall comply either with the limits specified in the applicable RSS or with those specified in this RSS-Gen.

| Limit (For Restricted Bands) |
|---|
| See General Limits Requirement In Above Chart (Section 7.1.1) |

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### 7.1.3 Test Procedure (Radiated)

The Rohde & Schwarz ESU40 EMI receiver was used as a measuring meter while under software control by the Rohde & Schwarz EMC32 software. To increase the sensitivity of the instrument, the built in preamplifier was used from 9 KHz to 1 GHz and an external preamplifier was used from 1 GHz to 26.5 GHz. The EMI receiver was used in the peak detect mode with the "Max Hold" feature activated. In this mode, the EMI receiver records the highest measured reading over all the sweeps. The built in quasi-peak or average detector was used only for those readings which are marked accordingly on the data sheets. The effective measurement bandwidth used for the radiated emissions test was 100 kHz from 9 kHz to to 26.5 GHz.

The Loop Antenna, Broadband BiConiLog and horn antennas were used as transducers during the measurement. The Loop antenna was used from 9 KHz to 30 MHz, the BiConiLog antenna was used from 30 MHz to 1000 MHz and horn antennas were used from 1GHz – 26.5 GHz. The frequency spans were wide (9 kHz to 150 kHz, 150 kHz to 30 MHz, 30 MHz to 88 MHz, 88 MHz to 216 MHz, 216 to 300 MHz, 300 MHz to 1 GHz, 1 GHz to 18 GHz and 18 GHz to 26.5 GHz) during preliminary investigations. The final data was taken with a frequency span of 1 MHz. Furthermore, the frequency span was reduced during the preliminary investigations as deemed necessary.

The 5 meter semi-anechoic chamber of Electro Magnetic Test, Inc. was used for radiated emission testing. This test site is set up according to ANSI C63.10-2013. Please see section 6.2 of this report for mounting, bonding and grounding of the EUT. The turntable supporting the EUT is remote controlled using a motor. The turntable permits EUT rotation of 360 degrees in order to maximize emissions. Also, the antenna mast allows height variation of the antenna from 1 meter to 4 meters. Data was collected in the worst case (highest emission) configuration of the EUT. The EUT was rotated 360 degrees and the antenna height was varied from 1 to 4 meters (for E field radiated field strength).

The presence of non EUT signals was verified by turning the EUT off. In case a non EUT signal was detected, the measurement bandwidth was reduced temporarily and verification was made that an additional adjacent peak did not exist. This ensures that the other signal does not hide any emissions from the EUT. The EUT was tested at a 3 meter test distance from 9 kHz to 26.5 GHz. to obtain final test data.

The test was run through fully three times with the EUT having its output set to low, middle, and high channels on each test respectively. The data was then combined to provide the worst case of all three tests.

Calculation Of Radiated Emission Test Data:

Amplitude - Gain + Antenna Factor + Cable Loss = Corrected Amplitude

Corrected Amplitude - Limit = Margin

Associated with the radiated emission test data in this report is a ±5.1dB measurement uncertainty.

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### 7.1.4 Test Procedure (Conducted)

The Rohde & Schwarz ESU40 EMI receiver was used as a measuring meter. The data was collected with the EMI receiver in the peak detect mode with the "Max Hold" feature activated. The quasi-peak and average detectors were used only where indicated in the data sheets. A 10 dB attenuation pad was used for the protection of the EMI receiver input stage, and the EMI receiver offset was adjusted accordingly to read the actual data measured. The LISN output was read by the Rohde & Schwarz ESU40 EMI receiver. The output of the second LISN was terminated by a 50 ohm termination. The effective measurement bandwidth used for the conducted emissions test was 9 kHz.

Please see section 6.2 of this report for mounting, bonding and grounding of the EUT. The EUT was powered through the LISN, which was bonded to the ground plane. The LISN power was filtered and the filter was bonded to the ground plane. The EUT was set up with the minimum distances from any conductive surfaces as specified in ANSI C63.10-2013. The excess power cord was wrapped in a figure eight pattern to form a bundle not exceeding 0.4 meters in length.

The initial test data was taken in manual mode while scanning the frequency ranges of 0.15 MHz to 1.6 MHz, 1.6 MHz to 5 MHz and 5 MHz to 30 MHz. The conducted emissions from the EUT were maximized for operating mode as well as cable and peripheral placement. Once a predominant frequency (within 12 dB of the limit) was found, it was more closely examined with the spectrum analyzer span adjusted to 1 MHz.

The final data was collected under program control by the ETS-Lindgren Tile! software in several overlapping sweeps by running the spectrum analyzer at a minimum scan rate of 10 seconds per octave.

Calculation Of Conducted Emission Test Data:

Amplitudes shown on the test data are already corrected and include the following equation:

Raw Amplitude + LISN Insertion Loss + Attenuator + Cable Loss = Corrected Amplitude

Corrected Amplitude - Limit = Margin

Associated with the conducted emission test data in this report is a ±3.4dB measurement uncertainty.

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## 7.2 Conducted Emissions Test – Mains Ports

### 7.2.1 Limit (FCC PART 15 Section 15.207(a), IC RSS-GEN Issue 4 [8.8])

| Frequency of Emission (MHz) | Conducted Limit (dBµV) | |
|---|---|---|
| | Quasi-peak | Average |
| 0.15-0.5 | 66 to 56 * | 56 to 46 * |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

*Note: Decreases with the logarithm of the frequency

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## 7.3 Occupied Bandwidth

### 7.3.1 Limits

**FCC PART 15 Section 15.407(e)**
Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

| Limit |
|---|
| 6 dB Bandwidth ≥ 500 kHz |

### 7.3.2 Test Procedure

Follow the radiated test procedure but set the Spectrum Analyzer as below:

RBW: 100 kHz
VBW: ≥ 3 X RBW
Detector: Peak
Trace Mode: Max Hold

(1) Set analyzer center frequency to center of signal

(2) Turn on occupied bandwidth measurement mode

(3) Set measurement to 6db bandwidth

Associated with the Occupied Bandwidth test data in this report is a ±2.5% measurement uncertainty.

### 7.3.3 Test Result

The EUT meets the requirements. Please see the datasheets in Appendix A for the measurement results.

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## 7.4 Maximum Peak Output Power

### 7.4.1 Limits

**FCC PART 15 Section 15.407(a)(1)(iii)**

For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density.

**FCC PART 15 Section 15.407(a)(2)**

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

**FCC PART 15 Section 15.407(a)(3)**

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

| Limit |
|---|
| 5.15-5.25 GHz: Peak Output Power (Digital Modulation) ≤ 1 Watt or 30 dBm |
| 5.25-5.35GHz: Peak Output Power (Digital Modulation) ≤ 250 milliwatt or 23 dBm |
| 5.47-5.725GHz: Peak Output Power (Digital Modulation) ≤ 250 milliwatt or 23 dBm |
| 5.725-5.85 GHz: Peak Output Power (Digital Modulation) ≤ 1Watt or 30 dBm |

### 7.4.2 Test Procedure

RBW > DTS Bandwidth
VBW ≥ 3 x RBW
Span ≥ 3 x RBW
Detector: Peak
Trace Mode: Max Hold
Amplitude Offset: Cable Loss

1. When the trace is completed, mark the peak value
2. Calculate the Peak Output Power by using the following equation:
    a. Peak Power = Conducted Output Power

Cable Loss = 3.9 dBm

Associated with the Maximum Peak Output Power test data in this report is a ±5.1dB measurement uncertainty.

### 7.4.3 Test Result

The EUT meets the requirements. Please see the datasheets in Appendix A for the measurement results.

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## 7.5 Maximum Peak Power Spectral Density

### 7.5.1 Limits

**FCC PART 15 Section 15.407(a)(1)(iii)**
For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.

**FCC PART 15 Section 15.407(a)(2)**
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

**FCC PART 15 Section 15.407(a)(3)**
For the band 5.725-5.85 GHz the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

| Limit |
|---|
| 5150-5250MHz: 17 dBm /1 MHz |
| 5.25-5.35GHz: 11 dBm /1 MHz |
| 5.47-5.725GHz: 11 dBm /1 MHz |
| 5725-5850MHz: 30 dBm / 500 kHz |

### 7.5.2 Test Procedure

Follow the conducted test procedure but set the Spectrum Analyzer as below:

RBW = 100KHz
VBW ≥ 3 x RBW
Span ≥ 1.5 x DTS Bandwidth
Detector: Peak
Amplitude Offset: Cable Loss

1.) Connect EUT to Spectrum Analyzer
2.) Record data values and calculate Power Spectral Density by using the following equation:
    a. Power Spectral Density = Conducted Output Power
Cable Loss = 3.9 dBm

Associated with the Maximum Peak Power Spectral Density test data in this report is a ±5.1dB measurement uncertainty.

### 7.5.3 Test Result

The EUT meets the requirements. Please see the datasheets in Appendix A for the measurement results.

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## 7.6 Antenna Requirement

### 7.6.1 Requirement (FCC PART 15 SECTION 15.203)

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section.

### 7.6.2 Test Result

The EUT uses reversed polarity SMA connectors with no consideration for replacement on the Access Point.

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## 7.7 Security Requirements

### 7.7.1 Transmission Detection

#### 7.7.1.1 Limits 15.407(c)

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

#### 7.7.1.2 Test Result

The client has been informed of this requirement and has included in a separate document how this requirement is meet on the EUT.

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### 7.7.2 Transmit Power Control (TPC) and Dynamic Frequency Selection (DFS).

#### 7.7.2.1 Limits 15.407(h)

(1)Transmit power control (TPC). U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

(2)Radar Detection Function of Dynamic Frequency Selection (DFS). U-NII devices operating with any part of its 26 dB emission bandwidth in the 5.25-5.35 GHz and 5.47-5.725 GHz bands shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid co-channel operation with radar systems. Operators shall only use equipment with a DFS mechanism that is turned on when operating in these bands. The device must sense for radar signals at 100 percent of its emission bandwidth. The minimum DFS detection threshold for devices with a maximum e.i.r.p. of 200 mW to 1 W is −64 dBm. For devices that operate with less than 200 mW e.i.r.p. and a power spectral density of less than 10 dBm in a 1 MHz band, the minimum detection threshold is −62 dBm. The detection threshold is the received power averaged over 1 microsecond referenced to a 0 dBi antenna. For the initial channel setting, the manufacturers shall be permitted to provide for either random channel selection or manual channel selection.

#### 7.7.2.2 Test Result

Test is not applicable due to the EUT not operating in the 5.25-5.35 GHz and the 5.47-5.725 GHz bands.

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### 7.7.3 Device Security

#### 7.7.3.1 Limits 15.407(i)

All U-NII devices must contain security features to protect against modification of software by unauthorized parties.

(1) Manufacturers must implement security features in any digitally modulated devices capable of operating in any of the U-NII bands, so that third parties are not able to reprogram the device to operate outside the parameters for which the device was certified. The software must prevent the user from operating the transmitter with operating frequencies, output power, modulation types or other radio frequency parameters outside those that were approved for the device. Manufacturers may use means including, but not limited to the use of a private network that allows only authenticated users to download software, electronic signatures in software or coding in hardware that is decoded by software to verify that new software can be legally loaded into a device to meet these requirements and must describe the methods in their application for equipment authorization.

(2) Manufacturers must take steps to ensure that DFS functionality cannot be disabled by the operator of the U-NII device.

#### 7.7.3.2 Test Result

The client has been informed of this requirement.

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## 8. CONCLUSIONS / COMPLIANCE STATEMENT

Based upon the results contained in this report, Electro Magnetic Test, Inc. has determined that the Access Point, Model: A5x meets all of the specification limits defined in FCC Title 47, Part 15, Subpart C and Subpart E.

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# APPENDIX A

## *RADIATED AND CONDUCTED EMISSIONS DATA SHEETS*

# Radiated Emission Test Report

**Tested At:**
**Electro Magnetic Test, Inc.**
**1547 Plymouth Street**
**Mountain View, CA 94043**
**Tel. 650-965-4000**
**Fax. 650-965-3000**

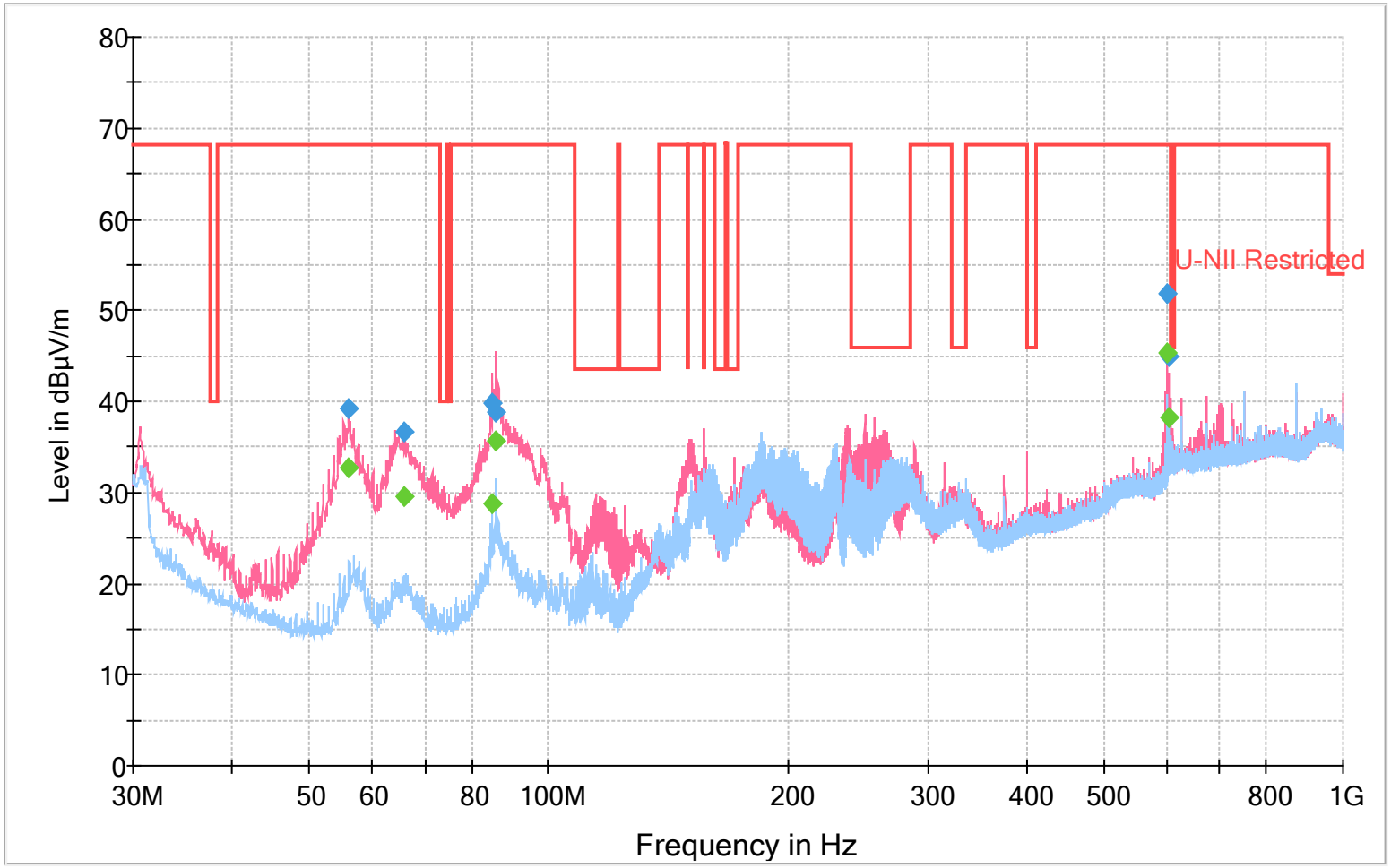
## Common Information

| | |
|---|---|
| Test Description: | FCC Class B Radiated Emissions |
| Operating Conditions: | Normal |
| Test Engineer: | Chinmay Shendurnikar |

## EUT Information

| | |
|---|---|
| Company Name: | Airspan Networks Inc |
| EUT Name | Access Point |
| Model Number: | A5x |
| Serial Number: | 001 |
| Comment: | None |

FCC Class B Radiated Scan 3m PK QP




U-NII Restricted
Final Result 1-PK+
Preview Result 1V-PK+
Final Result 2-QPK
Preview Result 1H-PK+

# Final Result 2 - 5180MHz 20MHz Dipole

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 56.040000 | 32.6 | 131.0 | V | 9.0 | 12.0 | 35.60 | 68.20 | |
| 65.670000 | 29.6 | 100.0 | V | 359.0 | 12.1 | 38.60 | 68.20 | |
| 84.840000 | 28.8 | 130.0 | V | 93.0 | 12.1 | 39.40 | 68.20 | |
| 85.650000 | 35.6 | 143.0 | V | 78.0 | 12.1 | 32.60 | 68.20 | |
| 600.000000 | 45.3 | 100.0 | V | 0.0 | 27.4 | 22.90 | 68.20 | |
| 603.240000 | 38.3 | 159.0 | V | 0.0 | 27.6 | 29.90 | 68.20 | |

# Final Result 2 - 5220MHz 20MHz Dipole

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 56.7300000 | 28.1 | 131.0 | V | 9.0 | 12.0 | 40.1 | 68.20 | |
| 66.8900000 | 26.3 | 100.0 | V | 359.0 | 12.1 | 41.9 | 68.20 | |
| 86.3200000 | 25.8 | 130.0 | V | 93.0 | 12.1 | 42.4 | 68.20 | |
| 86.6100000 | 33.5 | 143.0 | V | 78.0 | 12.1 | 34.7 | 68.20 | |
| 600.200000 | 42.8 | 100.0 | V | 0.0 | 27.4 | 25.4 | 68.20 | |
| 609.300000 | 34.6 | 159.0 | V | 0.0 | 27.6 | 33.6 | 68.20 | |

# Final Result 2 - 5240MHz 20MHz Dipole

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 56.7900000 | 27.8 | 131.0 | V | 9.0 | 12.0 | 40.40 | 68.2 | |
| 66.0000000 | 25.2 | 100.0 | V | 359.0 | 12.1 | 43.00 | 68.2 | |
| 85.9900000 | 25.8 | 130.0 | V | 93.0 | 12.1 | 42.40 | 68.2 | |
| 87.3600000 | 31.0 | 143.0 | V | 78.0 | 12.1 | 37.20 | 68.2 | |
| 604.490000 | 40.7 | 100.0 | V | 0.0 | 27.4 | 27.50 | 68.2 | |
| 615.830000 | 36.4 | 159.0 | V | 0.0 | 27.6 | 31.80 | 68.2 | |

# Final Result 2 - 5190MHz 40MHz Dipole

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 57.3100000 | 30.8 | 131.0 | V | 9.0 | 12.0 | 37.40 | 68.20 | |
| 67.0200000 | 27.5 | 100.0 | V | 359.0 | 12.1 | 40.70 | 68.20 | |
| 85.9500000 | 24.3 | 130.0 | V | 93.0 | 12.1 | 43.90 | 68.20 | |
| 87.1700000 | 32.1 | 143.0 | V | 78.0 | 12.1 | 36.10 | 68.20 | |
| 606.450000 | 40.7 | 100.0 | V | 0.0 | 27.4 | 27.50 | 68.20 | |
| 617.700000 | 33.8 | 159.0 | V | 0.0 | 27.6 | 34.40 | 68.20 | |

# Final Result 2 - 5230MHz 40MHz Dipole

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 56.6300000 | 30.9 | 131.0 | V | 9.0 | 12.0 | 37.30 | 68.20 | |
| 66.9600000 | 28.3 | 100.0 | V | 359.0 | 12.1 | 39.90 | 68.20 | |
| 86.4000000 | 27.3 | 130.0 | V | 93.0 | 12.1 | 40.90 | 68.20 | |
| 87.4800000 | 31.9 | 143.0 | V | 78.0 | 12.1 | 36.30 | 68.20 | |
| 604.230000 | 41.0 | 100.0 | V | 0.0 | 27.4 | 27.20 | 68.20 | |
| 621.110000 | 37.2 | 159.0 | V | 0.0 | 27.6 | 31.00 | 68.20 | |

# Final Result 2 - 5210MHz 80MHz Dipole

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 56.2800000 | 30.2 | 131.0 | V | 9.0 | 12.0 | 38.00 | 68.20 | |
| 65.7100000 | 26.1 | 100.0 | V | 359.0 | 12.1 | 42.10 | 68.20 | |
| 85.9900000 | 25.7 | 130.0 | V | 93.0 | 12.1 | 42.50 | 68.20 | |
| 87.2200000 | 31.1 | 143.0 | V | 78.0 | 12.1 | 37.10 | 68.20 | |
| 603.130000 | 41.6 | 100.0 | V | 0.0 | 27.4 | 26.60 | 68.20 | |
| 609.860000 | 35.8 | 159.0 | V | 0.0 | 27.6 | 32.40 | 68.20 | |

# Final Result 2 - 5745MHz 20MHz Dipole

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 57.1600000 | 30.7 | 131.0 | V | 9.0 | 12.0 | 37.50 | 68.20 | |
| 65.7200000 | 27.4 | 100.0 | V | 359.0 | 12.1 | 40.80 | 68.20 | |
| 86.6900000 | 24.7 | 130.0 | V | 93.0 | 12.1 | 43.50 | 68.20 | |
| 87.3300000 | 31.9 | 143.0 | V | 78.0 | 12.1 | 36.30 | 68.20 | |
| 600.500000 | 42.5 | 100.0 | V | 0.0 | 27.4 | 25.70 | 68.20 | |
| 604.320000 | 36.1 | 159.0 | V | 0.0 | 27.6 | 32.10 | 68.20 | |

# Final Result 2 - 5785MHz 20MHz Dipole

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 56.6000000 | 28.8 | 131.0 | V | 9.0 | 12.0 | 39.40 | 68.20 | |
| 66.2900000 | 27.5 | 100.0 | V | 359.0 | 12.1 | 40.70 | 68.20 | |
| 85.3400000 | 24.8 | 130.0 | V | 93.0 | 12.1 | 43.40 | 68.20 | |
| 85.9400000 | 30.6 | 143.0 | V | 78.0 | 12.1 | 37.60 | 68.20 | |
| 608.220000 | 41.7 | 100.0 | V | 0.0 | 27.4 | 26.50 | 68.20 | |
| 608.850000 | 35.7 | 159.0 | V | 0.0 | 27.6 | 32.50 | 68.20 | |

# Final Result 2 - 5825MHz 20MHz Dipole

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 57.8600000 | 30.6 | 131.0 | V | 9.0 | 12.0 | 37.60 | 68.20 | |
| 66.9800000 | 26.0 | 100.0 | V | 359.0 | 12.1 | 42.20 | 68.20 | |
| 85.9800000 | 24.4 | 130.0 | V | 93.0 | 12.1 | 43.80 | 68.20 | |
| 87.4100000 | 31.1 | 143.0 | V | 78.0 | 12.1 | 37.10 | 68.20 | |
| 610.220000 | 41.0 | 100.0 | V | 0.0 | 27.4 | 27.20 | 68.20 | |
| 617.530000 | 34.5 | 159.0 | V | 0.0 | 27.6 | 33.70 | 68.20 | |

# Final Result 2 - 5755MHz 40MHz Dipole

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 56.2000000 | 31.4 | 131.0 | V | 9.0 | 12.0 | 36.80 | 68.20 | |
| 66.9500000 | 25.2 | 100.0 | V | 359.0 | 12.1 | 43.00 | 68.20 | |
| 85.3700000 | 27.0 | 130.0 | V | 93.0 | 12.1 | 41.20 | 68.20 | |
| 87.2500000 | 33.4 | 143.0 | V | 78.0 | 12.1 | 34.80 | 68.20 | |
| 603.140000 | 42.6 | 100.0 | V | 0.0 | 27.4 | 25.60 | 68.20 | |
| 622.960000 | 34.5 | 159.0 | V | 0.0 | 27.6 | 33.70 | 68.20 | |

# Final Result 2 - 5795MHz 40MHz Dipole

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 57.4600000 | 31.0 | 131.0 | V | 9.0 | 12.0 | 37.20 | 68.20 | |
| 66.5200000 | 27.4 | 100.0 | V | 359.0 | 12.1 | 40.80 | 68.20 | |
| 86.7200000 | 25.4 | 130.0 | V | 93.0 | 12.1 | 42.80 | 68.20 | |
| 86.5500000 | 31.6 | 143.0 | V | 78.0 | 12.1 | 36.60 | 68.20 | |
| 609.520000 | 42.9 | 100.0 | V | 0.0 | 27.4 | 25.30 | 68.20 | |
| 621.990000 | 37.1 | 159.0 | V | 0.0 | 27.6 | 31.10 | 68.20 | |

# Final Result 2 - 5775MHz 80MHz Dipole

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 56.9100000 | 28.4 | 131.0 | V | 9.0 | 12.0 | 39.80 | 68.20 | |
| 66.4000000 | 27.3 | 100.0 | V | 359.0 | 12.1 | 40.90 | 68.20 | |
| 86.1600000 | 26.3 | 130.0 | V | 93.0 | 12.1 | 41.90 | 68.20 | |
| 85.7300000 | 34.3 | 143.0 | V | 78.0 | 12.1 | 33.90 | 68.20 | |
| 608.130000 | 42.9 | 100.0 | V | 0.0 | 27.4 | 25.30 | 68.20 | |
| 623.550000 | 34.4 | 159.0 | V | 0.0 | 27.6 | 33.80 | 68.20 | |

# Final Result 2 - 5180MHz 20MHz Horn

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 57.3900000 | 30.3 | 131.0 | V | 9.0 | 12.0 | 37.90 | 68.20 | |
| 66.2700000 | 26.8 | 100.0 | V | 359.0 | 12.1 | 41.40 | 68.20 | |
| 85.8600000 | 24.1 | 130.0 | V | 93.0 | 12.1 | 44.10 | 68.20 | |
| 86.2700000 | 32.2 | 143.0 | V | 78.0 | 12.1 | 36.00 | 68.20 | |
| 604.880000 | 44.2 | 100.0 | V | 0.0 | 27.4 | 24.00 | 68.20 | |
| 604.980000 | 34.9 | 159.0 | V | 0.0 | 27.6 | 33.30 | 68.20 | |

# Final Result 2 - 5220MHz 20MHz Horn

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 56.2700000 | 29.0 | 131.0 | V | 9.0 | 12.0 | 39.20 | 68.20 | |
| 67.2400000 | 27.0 | 100.0 | V | 359.0 | 12.1 | 41.20 | 68.20 | |
| 84.9300000 | 23.9 | 130.0 | V | 93.0 | 12.1 | 44.30 | 68.20 | |
| 86.9700000 | 32.1 | 143.0 | V | 78.0 | 12.1 | 36.10 | 68.20 | |
| 610.850000 | 41.7 | 100.0 | V | 0.0 | 27.4 | 26.50 | 68.20 | |
| 609.180000 | 36.7 | 159.0 | V | 0.0 | 27.6 | 31.50 | 68.20 | |

# Final Result 2 - 5240MHz 20MHz Horn

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 56.8400000 | 30.1 | 131.0 | V | 9.0 | 12.0 | 38.10 | 68.20 | |
| 66.9100000 | 26.3 | 100.0 | V | 359.0 | 12.1 | 41.90 | 68.20 | |
| 85.4400000 | 25.8 | 130.0 | V | 93.0 | 12.1 | 42.40 | 68.20 | |
| 86.8200000 | 30.9 | 143.0 | V | 78.0 | 12.1 | 37.30 | 68.20 | |
| 604.730000 | 44.2 | 100.0 | V | 0.0 | 27.4 | 24.00 | 68.20 | |
| 603.990000 | 33.7 | 159.0 | V | 0.0 | 27.6 | 34.50 | 68.20 | |

# Final Result 2 - 5190MHz 40MHz Horn

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 57.5900000 | 27.7 | 131.0 | V | 9.0 | 12.0 | 40.50 | 68.20 | |
| 66.6800000 | 27.4 | 100.0 | V | 359.0 | 12.1 | 40.80 | 68.20 | |
| 86.3800000 | 24.2 | 130.0 | V | 93.0 | 12.1 | 44.00 | 68.20 | |
| 85.8400000 | 32.8 | 143.0 | V | 78.0 | 12.1 | 35.40 | 68.20 | |
| 610.420000 | 42.0 | 100.0 | V | 0.0 | 27.4 | 26.20 | 68.20 | |
| 618.050000 | 34.1 | 159.0 | V | 0.0 | 27.6 | 34.10 | 68.20 | |

# Final Result 2 - 5230MHz 40MHz Horn

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 57.7600000 | 30.4 | 131.0 | V | 9.0 | 12.0 | 37.80 | 68.20 | |
| 65.8800000 | 26.2 | 100.0 | V | 359.0 | 12.1 | 42.00 | 68.20 | |
| 85.1800000 | 26.1 | 130.0 | V | 93.0 | 12.1 | 42.10 | 68.20 | |
| 86.0000000 | 33.0 | 143.0 | V | 78.0 | 12.1 | 35.20 | 68.20 | |
| 602.350000 | 41.1 | 100.0 | V | 0.0 | 27.4 | 27.10 | 68.20 | |
| 613.970000 | 35.7 | 159.0 | V | 0.0 | 27.6 | 32.50 | 68.20 | |

# Final Result 2 - 5210MHz 80MHz Horn

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 57.5500000 | 27.6 | 131.0 | V | 9.0 | 12.0 | 40.60 | 68.20 | |
| 67.4500000 | 25.1 | 100.0 | V | 359.0 | 12.1 | 43.10 | 68.20 | |
| 86.4600000 | 26.7 | 130.0 | V | 93.0 | 12.1 | 41.50 | 68.20 | |
| 85.9300000 | 31.2 | 143.0 | V | 78.0 | 12.1 | 37.00 | 68.20 | |
| 600.100000 | 43.0 | 100.0 | V | 0.0 | 27.4 | 25.20 | 68.20 | |
| 618.640000 | 35.9 | 159.0 | V | 0.0 | 27.6 | 32.30 | 68.20 | |

# Final Result 2 - 5745MHz 20MHz Horn

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 56.4500000 | 28.2 | 131.0 | V | 9.0 | 12.0 | 40.00 | 68.20 | |
| 66.2300000 | 25.1 | 100.0 | V | 359.0 | 12.1 | 43.10 | 68.20 | |
| 85.0000000 | 26.6 | 130.0 | V | 93.0 | 12.1 | 41.60 | 68.20 | |
| 87.4100000 | 30.8 | 143.0 | V | 78.0 | 12.1 | 37.40 | 68.20 | |
| 606.530000 | 41.0 | 100.0 | V | 0.0 | 27.4 | 27.20 | 68.20 | |
| 605.810000 | 33.4 | 159.0 | V | 0.0 | 27.6 | 34.80 | 68.20 | |

# Final Result 2 - 5785MHz 20MHz Horn

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 57.9300000 | 28.4 | 131.0 | V | 9.0 | 12.0 | 39.80 | 68.20 | |
| 65.9200000 | 27.1 | 100.0 | V | 359.0 | 12.1 | 41.10 | 68.20 | |
| 86.1600000 | 26.5 | 130.0 | V | 93.0 | 12.1 | 41.70 | 68.20 | |
| 86.6300000 | 31.0 | 143.0 | V | 78.0 | 12.1 | 37.20 | 68.20 | |
| 605.980000 | 43.3 | 100.0 | V | 0.0 | 27.4 | 24.90 | 68.20 | |
| 621.720000 | 35.1 | 159.0 | V | 0.0 | 27.6 | 33.10 | 68.20 | |

# Final Result 2 - 5825MHz 20MHz Horn

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 56.5100000 | 30.3 | 131.0 | V | 9.0 | 12.0 | 37.90 | 68.20 | |
| 67.1300000 | 25.6 | 100.0 | V | 359.0 | 12.1 | 42.60 | 68.20 | |
| 86.7500000 | 26.5 | 130.0 | V | 93.0 | 12.1 | 41.70 | 68.20 | |
| 86.3100000 | 31.3 | 143.0 | V | 78.0 | 12.1 | 36.90 | 68.20 | |
| 607.620000 | 41.0 | 100.0 | V | 0.0 | 27.4 | 27.20 | 68.20 | |
| 609.830000 | 33.6 | 159.0 | V | 0.0 | 27.6 | 34.60 | 68.20 | |

# Final Result 2 - 5755MHz 40MHz Horn

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 56.7400000 | 29.6 | 131.0 | V | 9.0 | 12.0 | 38.60 | 68.20 | |
| 66.2900000 | 25.1 | 100.0 | V | 359.0 | 12.1 | 43.10 | 68.20 | |
| 85.6700000 | 24.6 | 130.0 | V | 93.0 | 12.1 | 43.60 | 68.20 | |
| 87.3500000 | 31.1 | 143.0 | V | 78.0 | 12.1 | 37.10 | 68.20 | |
| 603.920000 | 42.1 | 100.0 | V | 0.0 | 27.4 | 26.10 | 68.20 | |
| 615.550000 | 36.2 | 159.0 | V | 0.0 | 27.6 | 32.00 | 68.20 | |

# Final Result 2 - 5795MHz 40MHz Horn

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 56.1900000 | 28.6 | 131.0 | V | 9.0 | 12.0 | 39.60 | 68.20 | |
| 67.3900000 | 26.4 | 100.0 | V | 359.0 | 12.1 | 41.80 | 68.20 | |
| 86.1400000 | 25.6 | 130.0 | V | 93.0 | 12.1 | 42.60 | 68.20 | |
| 86.1400000 | 33.5 | 143.0 | V | 78.0 | 12.1 | 34.70 | 68.20 | |
| 608.590000 | 43.0 | 100.0 | V | 0.0 | 27.4 | 25.20 | 68.20 | |
| 606.490000 | 33.4 | 159.0 | V | 0.0 | 27.6 | 34.80 | 68.20 | |

# Final Result 2 - 5775MHz 80MHz Horn

| Frequency (MHz) | Quasi Peak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 56.6600000 | 29.3 | 131.0 | V | 9.0 | 12.0 | 38.90 | 68.20 | |
| 65.7600000 | 24.8 | 100.0 | V | 359.0 | 12.1 | 43.40 | 68.20 | |
| 86.0100000 | 26.6 | 130.0 | V | 93.0 | 12.1 | 41.60 | 68.20 | |
| 86.1600000 | 32.2 | 143.0 | V | 78.0 | 12.1 | 36.00 | 68.20 | |
| 610.130000 | 42.6 | 100.0 | V | 0.0 | 27.4 | 25.60 | 68.20 | |
| 613.880000 | 36.2 | 159.0 | V | 0.0 | 27.6 | 32.00 | 68.20 | |

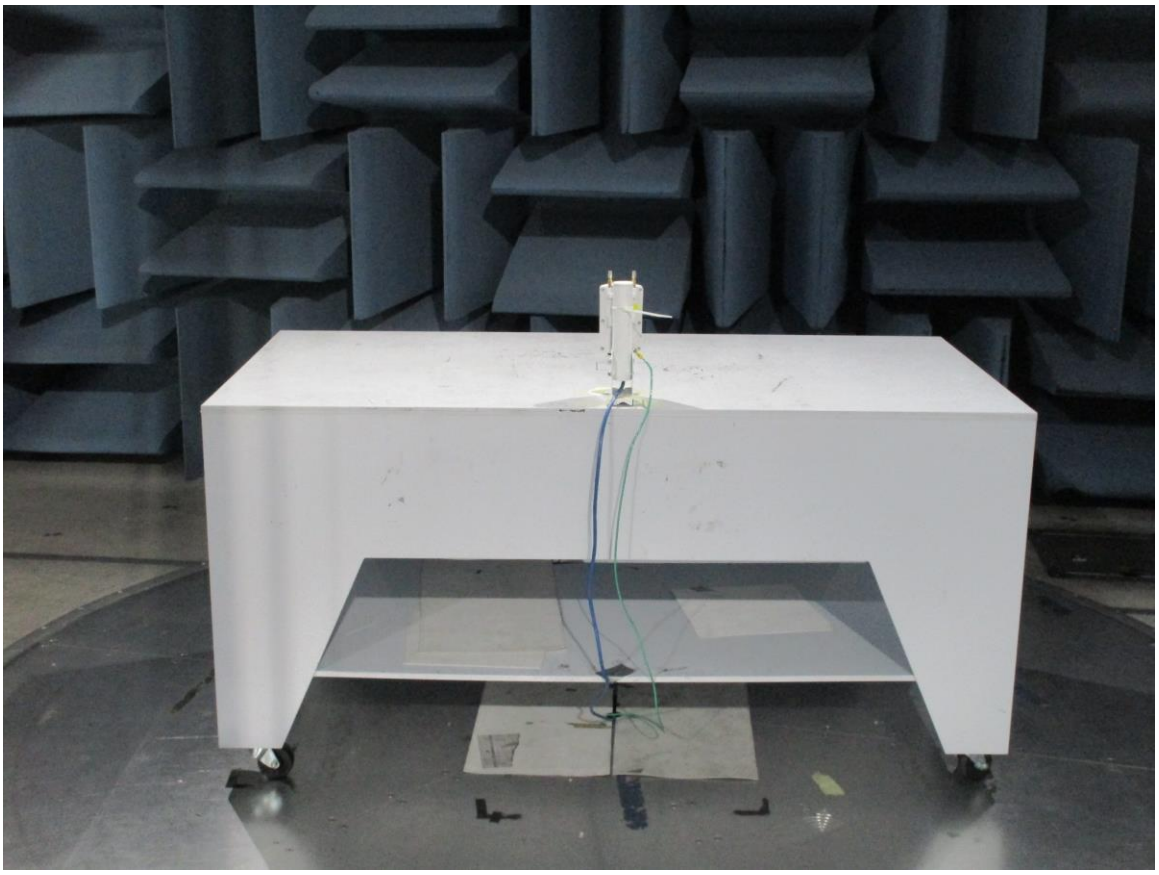
EMT ELECTRO MAGNETIC TEST, INC.
1547 Plymouth Street, Mountain View, CA 94043 Tel: (650) 965-4000 Fax: (650) 965-3000

**FRONT VIEW**

Airspan Networks
Access Point
Model: A5x
**CISPR 22/FCC Class B** – Radiated Emissions

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

EMT ELECTRO MAGNETIC TEST, INC.
1547 Plymouth Street, Mountain View, CA 94043 Tel: (650) 965-4000 Fax: (650) 965-3000



**REAR VIEW**

Airspan Networks
Access Point
Model: A5x
**CISPR 22/FCC Class B** – Radiated Emissions

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

# Radiated Emission Test Report

**Tested At:**
**Electro Magnetic Test, Inc.**
**1547 Plymouth Street**
**Mountain View, CA 94043**
**Tel. 650-965-4000**
**Fax. 650-965-3000**

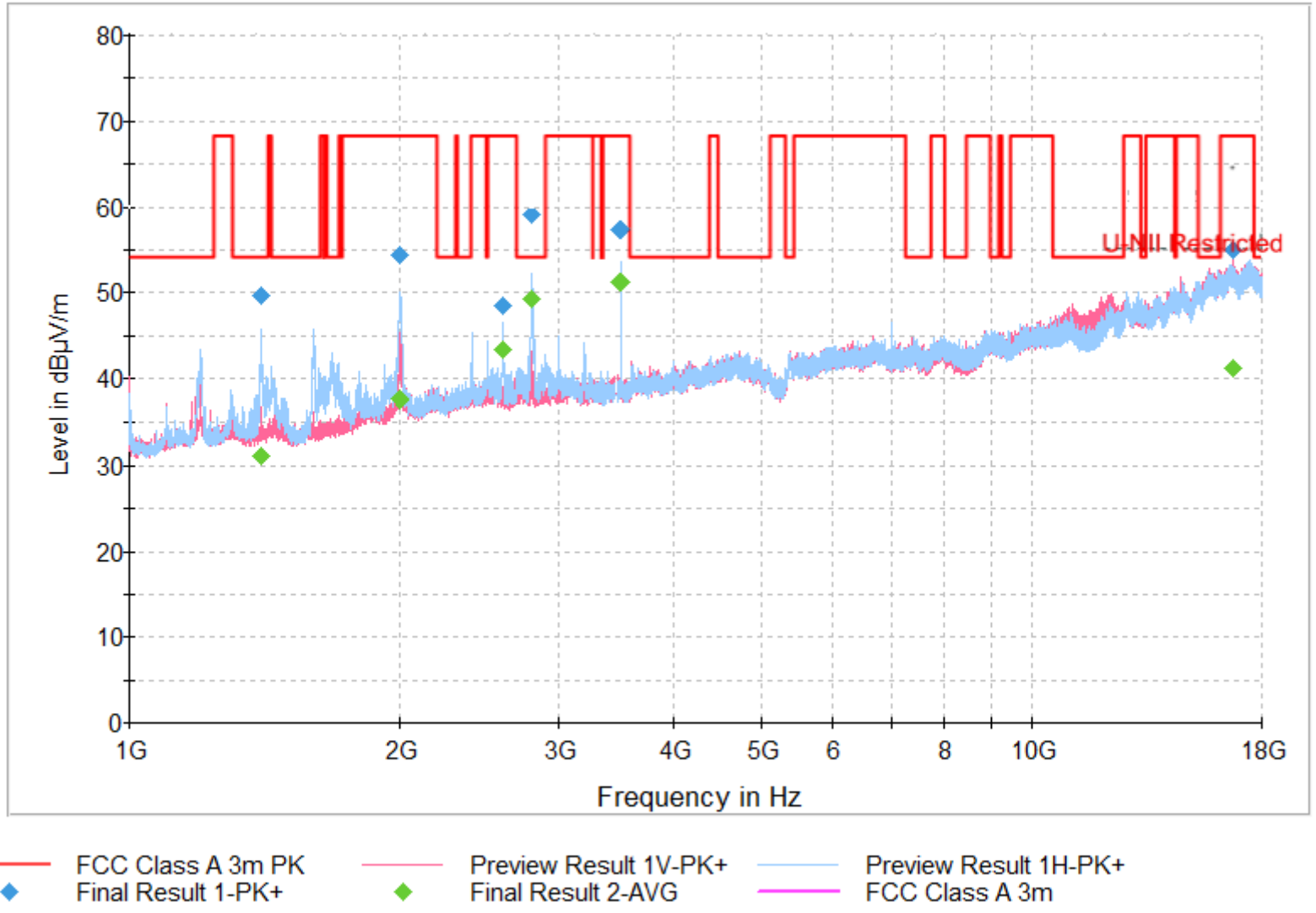
## Common Information

| | |
|---|---|
| Test Description: | FCC Class B Radiated Emissions |
| Operating Conditions: | Normal |
| Test Engineer: | Chinmay Shendurnikar |

## EUT Information

| | |
|---|---|
| Company Name: | Airspan Networks Inc |
| EUT Name | Access Point |
| Model Number: | A5x |
| Serial Number: | 001 |
| Comment: | None |

FCC Class B Rad 1GHz-18GHz 3m PK AVG



## Final Result 1 - 5180MHz 20MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1400.00000 | 49.6 | 282.0 | H | 0.0 | -2.8 | 24.40 | 74.00 | |
| 2000.00000 | 54.3 | 246.0 | H | 44.0 | 0.5 | 13.90 | 68.20 | |
| 2600.00000 | 48.5 | 199.0 | H | 329.0 | 1.8 | 19.70 | 68.20 | |
| 2800.00000 | 59.1 | 227.0 | H | 359.0 | 2.1 | 14.90 | 74.00 | |
| 3500.00000 | 57.3 | 326.0 | H | 320.0 | 3.2 | 10.90 | 68.20 | |
| 16712.25000 | 55 | 277.0 | V | 0.0 | 22.4 | 13.20 | 68.20 | |

## Final Result 2 - 5180MHz 20MHz Dipole

| Frequency (MHz) | Average (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1400.00000 | 31.1 | 282.0 | H | 0.0 | -2.8 | 22.90 | 54.00 | |
| 2000.00000 | 37.6 | 246.0 | H | 44.0 | 0.5 | 30.60 | 68.20 | |
| 2600.00000 | 43.4 | 199.0 | H | 329.0 | 1.8 | 24.80 | 68.20 | |
| 2800.00000 | 49.2 | 227.0 | H | 359.0 | 2.1 | 4.80 | 54.00 | |
| 3500.00000 | 51.3 | 326.0 | H | 320.0 | 3.2 | 16.90 | 68.20 | |
| 16712.25000 | 41.2 | 277.0 | V | 0.0 | 22.4 | 27.00 | 68.20 | |

## Final Result 1 - 5220MHz 20MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1019.22000 | 46.5 | 251.0 | H | 83.0 | -2.8 | 27.50 | 74.00 | |
| 1764.62000 | 50.6 | 172.0 | H | 194.0 | 0.5 | 17.60 | 68.20 | |
| 2427.70000 | 46.2 | 146.0 | H | 138.0 | 1.8 | 22.00 | 68.20 | |
| 3242.95000 | 55.9 | 260.0 | H | 52.0 | 2.1 | 12.30 | 68.20 | |
| 3409.77000 | 54.7 | 165.0 | H | 149.0 | 3.2 | 13.50 | 68.20 | |
| 16420.2000 | 51.7 | 208.0 | V | 246.0 | 22.4 | 16.50 | 68.20 | |

## Final Result 2 - 5220MHz 20MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1019.22000 | 27.8 | 251.0 | H | 83.0 | -2.8 | 26.20 | 54.00 | |
| 1764.62000 | 35.4 | 172.0 | H | 194.0 | 0.5 | 32.80 | 68.20 | |
| 2427.70000 | 41.4 | 146.0 | H | 138.0 | 1.8 | 26.80 | 68.20 | |
| 3242.95000 | 47.1 | 260.0 | H | 52.0 | 2.1 | 21.10 | 68.20 | |
| 3409.77000 | 49.0 | 165.0 | H | 149.0 | 3.2 | 19.20 | 68.20 | |
| 16420.2000 | 36.7 | 208.0 | V | 246.0 | 22.4 | 31.50 | 68.20 | |

## Final Result 1 - 5240MHz 20MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1462.01000 | 44.7 | 264.0 | H | 344.0 | -2.8 | 29.30 | 74.00 | |
| 2042.41000 | 51.4 | 142.0 | H | 121.0 | 0.5 | 16.80 | 68.20 | |
| 2551.92000 | 44.5 | 220.0 | H | 150.0 | 1.8 | 23.70 | 68.20 | |
| 2938.61000 | 56.5 | 146.0 | H | 195.0 | 2.1 | 11.70 | 68.20 | |
| 3434.29000 | 54.6 | 224.0 | H | 237.0 | 3.2 | 13.60 | 68.20 | |
| 16628.5500 | 51.1 | 160.0 | H | 103.0 | 22.4 | 17.10 | 68.20 | |

## Final Result 2 - 5240MHz 20MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1462.01000 | 26.6 | 264.0 | H | 344.0 | -2.8 | 27.40 | 54.00 | |
| 2042.41000 | 32.9 | 142.0 | H | 121.0 | 0.5 | 35.30 | 68.20 | |
| 2551.92000 | 39.3 | 220.0 | H | 150.0 | 1.8 | 28.90 | 68.20 | |
| 2938.61000 | 46.9 | 146.0 | H | 195.0 | 2.1 | 21.30 | 68.20 | |
| 3434.29000 | 48.2 | 224.0 | H | 237.0 | 3.2 | 20.00 | 68.20 | |
| 16628.5500 | 38.9 | 160.0 | H | 103.0 | 22.4 | 29.30 | 68.20 | |

## Final Result 1 - 5190MHz 40MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1492.94000 | 45.9 | 271.0 | H | 355.0 | -2.8 | 28.10 | 74.00 | |
| 2046.06000 | 49.7 | 226.0 | H | 156.0 | 0.5 | 18.50 | 68.20 | |
| 2836.54000 | 44.5 | 241.0 | H | 110.0 | 1.8 | 29.50 | 74.00 | |
| 2864.66000 | 54.2 | 222.0 | H | 315.0 | 2.1 | 19.80 | 74.00 | |
| 3351.74000 | 54.6 | 238.0 | H | 5.0 | 3.2 | 19.40 | 74.00 | |
| 17176.8100 | 50.2 | 126.0 | V | 56.0 | 22.4 | 18.00 | 68.20 | |

## Final Result 2 - 5190MHz 40MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1492.94000 | 28.5 | 271.0 | H | 355.0 | -2.8 | 25.50 | 54.00 | |
| 2046.06000 | 34.2 | 226.0 | H | 156.0 | 0.5 | 34.00 | 68.20 | |
| 2836.54000 | 38.8 | 241.0 | H | 110.0 | 1.8 | 15.20 | 54.00 | |
| 2864.66000 | 47.1 | 222.0 | H | 315.0 | 2.1 | 6.90 | 54.00 | |
| 3351.74000 | 49.1 | 238.0 | H | 5.0 | 3.2 | 4.90 | 54.00 | |
| 17176.8100 | 39.0 | 126.0 | V | 56.0 | 22.4 | 29.20 | 68.20 | |

## Final Result 1 - 5230MHz 40MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1039.98000 | 47.3 | 182.0 | H | 191.0 | -2.8 | 26.70 | 74.00 | |
| 1800.66000 | 52.0 | 276.0 | H | 48.0 | 0.5 | 16.20 | 68.20 | |
| 2511.92000 | 45.5 | 150.0 | H | 334.0 | 1.8 | 22.70 | 68.20 | |
| 2852.97000 | 54.9 | 244.0 | H | 306.0 | 2.1 | 19.10 | 74.00 | |
| 3393.55000 | 54.5 | 225.0 | H | 171.0 | 3.2 | 13.70 | 68.20 | |
| 16639.8700 | 50.3 | 170.0 | H | 232.0 | 22.4 | 17.90 | 68.20 | |

## Final Result 2 - 5230MHz 40MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1039.98000 | 28.3 | 182.0 | H | 191.0 | -2.8 | 25.70 | 54.00 | |
| 1800.66000 | 35.3 | 276.0 | H | 48.0 | 0.5 | 32.90 | 68.20 | |
| 2511.92000 | 39.8 | 150.0 | H | 334.0 | 1.8 | 28.40 | 68.20 | |
| 2852.97000 | 44.8 | 244.0 | H | 306.0 | 2.1 | 9.20 | 54.00 | |
| 3393.55000 | 46.4 | 225.0 | H | 171.0 | 3.2 | 21.80 | 68.20 | |
| 16639.8700 | 37.0 | 170.0 | H | 232.0 | 22.4 | 31.20 | 68.20 | |

## Final Result 1 - 5210MHz 80MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1643.16000 | 45.0 | 190.0 | H | 67.0 | -2.8 | 23.20 | 68.20 | |
| 2082.41000 | 49.7 | 135.0 | H | 40.0 | 0.5 | 18.50 | 68.20 | |
| 2527.02000 | 45.5 | 119.0 | H | 175.0 | 1.8 | 22.70 | 68.20 | |
| 2879.93000 | 56.7 | 245.0 | H | 159.0 | 2.1 | 17.30 | 74.00 | |
| 3503.52000 | 52.9 | 183.0 | H | 292.0 | 3.2 | 15.30 | 68.20 | |
| 16212.5000 | 52.2 | 142.0 | V | 222.0 | 22.4 | 16.00 | 68.20 | |

## Final Result 2 - 5210MHz 80MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1643.16000 | 26.6 | 190.0 | H | 67.0 | -2.8 | 41.60 | 68.20 | |
| 2082.41000 | 33.0 | 135.0 | H | 40.0 | 0.5 | 35.20 | 68.20 | |
| 2527.02000 | 39.2 | 119.0 | H | 175.0 | 1.8 | 29.00 | 68.20 | |
| 2879.93000 | 45.9 | 245.0 | H | 159.0 | 2.1 | 8.10 | 54.00 | |
| 3503.52000 | 48.2 | 183.0 | H | 292.0 | 3.2 | 20.00 | 68.20 | |
| 16212.5000 | 37.5 | 142.0 | V | 222.0 | 22.4 | 30.70 | 68.20 | |

## Final Result 1 - 5745MHz 20MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1122.32000 | 45.5 | 187.0 | H | 30.0 | -2.8 | 28.50 | 74.00 | |
| 2090.29000 | 51.9 | 234.0 | H | 359.0 | 0.5 | 16.30 | 68.20 | |
| 2849.23000 | 44.9 | 179.0 | H | 144.0 | 1.8 | 29.10 | 74.00 | |
| 2967.57000 | 54.9 | 180.0 | H | 184.0 | 2.1 | 13.30 | 68.20 | |
| 3312.49000 | 54.9 | 228.0 | H | 30.0 | 3.2 | 13.30 | 68.20 | |
| 16321.7100 | 51.5 | 185.0 | V | 5.0 | 22.4 | 16.70 | 68.20 | |

## Final Result 2 - 5745MHz 20MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1122.32000 | 27.3 | 187.0 | H | 30.0 | -2.8 | 26.70 | 54.00 | |
| 2090.29000 | 33.2 | 234.0 | H | 359.0 | 0.5 | 35.00 | 68.20 | |
| 2849.23000 | 39.2 | 179.0 | H | 144.0 | 1.8 | 14.80 | 54.00 | |
| 2967.57000 | 46.2 | 180.0 | H | 184.0 | 2.1 | 22.00 | 68.20 | |
| 3312.49000 | 46.8 | 228.0 | H | 30.0 | 3.2 | 21.40 | 68.20 | |
| 16321.7100 | 38.2 | 185.0 | V | 5.0 | 22.4 | 30.00 | 68.20 | |

## Final Result 1 - 5785MHz 20MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1228.26000 | 47.0 | 206.0 | H | 164.0 | -2.8 | 27.00 | 74.00 | |
| 1952.59000 | 50.6 | 191.0 | H | 162.0 | 0.5 | 17.60 | 68.20 | |
| 2509.01000 | 43.7 | 145.0 | H | 232.0 | 1.8 | 24.50 | 68.20 | |
| 2727.53000 | 55.0 | 178.0 | H | 243.0 | 2.1 | 19.00 | 74.00 | |
| 3384.33000 | 54.7 | 125.0 | H | 63.0 | 3.2 | 13.50 | 68.20 | |
| 16584.8500 | 51.6 | 272.0 | V | 37.0 | 22.4 | 16.60 | 68.20 | |

## Final Result 2 - 5785MHz 20MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1228.26000 | 27.2 | 206.0 | H | 164.0 | -2.8 | 26.80 | 54.00 | |
| 1952.59000 | 33.3 | 191.0 | H | 162.0 | 0.5 | 34.90 | 68.20 | |
| 2509.01000 | 39.1 | 145.0 | H | 232.0 | 1.8 | 29.10 | 68.20 | |
| 2727.53000 | 46.8 | 178.0 | H | 243.0 | 2.1 | 7.20 | 54.00 | |
| 3384.33000 | 48.6 | 125.0 | H | 63.0 | 3.2 | 19.60 | 68.20 | |
| 16584.8500 | 36.7 | 272.0 | V | 37.0 | 22.4 | 31.50 | 68.20 | |

## Final Result 1 - 5825MHz 20MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1288.85000 | 45.0 | 108.0 | H | 19.0 | -2.8 | 23.20 | 68.20 | |
| 1903.21000 | 50.6 | 214.0 | H | 181.0 | 0.5 | 17.60 | 68.20 | |
| 2755.36000 | 44.2 | 206.0 | H | 32.0 | 1.8 | 29.80 | 74.00 | |
| 3203.27000 | 56.6 | 259.0 | H | 23.0 | 2.1 | 11.60 | 68.20 | |
| 3498.09000 | 53.9 | 258.0 | H | 351.0 | 3.2 | 14.30 | 68.20 | |
| 16576.6400 | 50.6 | 147.0 | H | 319.0 | 22.4 | 17.60 | 68.20 | |

## Final Result 2 - 5825MHz 20MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1288.85000 | 26.1 | 108.0 | H | 19.0 | -2.8 | 42.10 | 68.20 | |
| 1903.21000 | 33.4 | 214.0 | H | 181.0 | 0.5 | 34.80 | 68.20 | |
| 2755.36000 | 41.4 | 206.0 | H | 32.0 | 1.8 | 12.60 | 54.00 | |
| 3203.27000 | 45.5 | 259.0 | H | 23.0 | 2.1 | 22.70 | 68.20 | |
| 3498.09000 | 48.3 | 258.0 | H | 351.0 | 3.2 | 19.90 | 68.20 | |
| 16576.6400 | 36.6 | 147.0 | H | 319.0 | 22.4 | 31.60 | 68.20 | |

## Final Result 1 – 5755MHz 40MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1446.15000 | 47.4 | 102.0 | H | 178.0 | -2.8 | 26.60 | 74.00 | |
| 1973.28000 | 51.4 | 251.0 | H | 291.0 | 0.5 | 16.80 | 68.20 | |
| 2672.87000 | 43.5 | 102.0 | H | 267.0 | 1.8 | 24.70 | 68.20 | |
| 2711.57000 | 55.8 | 221.0 | H | 282.0 | 2.1 | 18.20 | 74.00 | |
| 3462.64000 | 54.4 | 128.0 | H | 185.0 | 3.2 | 13.80 | 68.20 | |
| 16921.6100 | 52.4 | 269.0 | V | 219.0 | 22.4 | 15.80 | 68.20 | |

## Final Result 2 - 5755MHz 40MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1446.15000 | 27.9 | 102.0 | H | 178.0 | -2.8 | 26.10 | 54.00 | |
| 1973.28000 | 34.8 | 251.0 | H | 291.0 | 0.5 | 33.40 | 68.20 | |
| 2672.87000 | 38.5 | 102.0 | H | 267.0 | 1.8 | 29.70 | 68.20 | |
| 2711.57000 | 46.1 | 221.0 | H | 282.0 | 2.1 | 7.90 | 54.00 | |
| 3462.64000 | 49.2 | 128.0 | H | 185.0 | 3.2 | 19.00 | 68.20 | |
| 16921.6100 | 38.7 | 269.0 | V | 219.0 | 22.4 | 29.50 | 68.20 | |

## Final Result 1 - 5795MHz 40MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1647.61000 | 46.8 | 298.0 | H | 179.0 | -2.8 | 21.40 | 68.20 | |
| 1867.56000 | 49.4 | 174.0 | H | 144.0 | 0.5 | 18.80 | 68.20 | |
| 2629.18000 | 44.4 | 165.0 | H | 311.0 | 1.8 | 23.80 | 68.20 | |
| 2999.53000 | 56.3 | 134.0 | H | 91.0 | 2.1 | 11.90 | 68.20 | |
| 3416.41000 | 52.8 | 176.0 | H | 98.0 | 3.2 | 15.40 | 68.20 | |
| 16859.0600 | 51.9 | 278.0 | V | 161.0 | 22.4 | 16.30 | 68.20 | |

## Final Result 2 - 5795MHz 40MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1647.61000 | 26.6 | 298.0 | H | 179.0 | -2.8 | 41.60 | 68.20 | |
| 1867.56000 | 33.5 | 174.0 | H | 144.0 | 0.5 | 34.70 | 68.20 | |
| 2629.18000 | 40.2 | 165.0 | H | 311.0 | 1.8 | 28.00 | 68.20 | |
| 2999.53000 | 45.7 | 134.0 | H | 91.0 | 2.1 | 22.50 | 68.20 | |
| 3416.41000 | 47.6 | 176.0 | H | 98.0 | 3.2 | 20.60 | 68.20 | |
| 16859.0600 | 39.1 | 278.0 | V | 161.0 | 22.4 | 29.10 | 68.20 | |

## Final Result 1 - 5775MHz 80MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1074.38000 | 45.4 | 145.0 | H | 10.0 | -2.8 | 28.60 | 74.00 | |
| 1941.18000 | 51.1 | 212.0 | H | 243.0 | 0.5 | 17.10 | 68.20 | |
| 2465.63000 | 46.1 | 258.0 | H | 16.0 | 1.8 | 22.10 | 68.20 | |
| 3141.71000 | 54.6 | 148.0 | H | 53.0 | 2.1 | 13.60 | 68.20 | |
| 3390.01000 | 54.3 | 182.0 | H | 261.0 | 3.2 | 13.90 | 68.20 | |
| 16300.0200 | 52.4 | 232.0 | H | 353.0 | 22.4 | 15.80 | 68.20 | |

## Final Result 2 - 5775MHz 80MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1074.38000 | 28.1 | 145.0 | H | 10.0 | -2.8 | 25.90 | 54.00 | |
| 1941.18000 | 33.5 | 212.0 | H | 243.0 | 0.5 | 34.70 | 68.20 | |
| 2465.63000 | 38.7 | 258.0 | H | 16.0 | 1.8 | 29.50 | 68.20 | |
| 3141.71000 | 44.4 | 148.0 | H | 53.0 | 2.1 | 23.80 | 68.20 | |
| 3390.01000 | 46.6 | 182.0 | H | 261.0 | 3.2 | 21.60 | 68.20 | |
| 16300.0200 | 37.7 | 232.0 | H | 353.0 | 22.4 | 30.50 | 68.20 | |

## Final Result 1 - 5180MHz 20MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1203.96000 | 46.8 | 131.0 | H | 273.0 | -2.8 | 27.20 | 74.00 | |
| 2099.28000 | 49.7 | 224.0 | H | 247.0 | 0.5 | 18.50 | 68.20 | |
| 2729.50000 | 45.6 | 278.0 | H | 271.0 | 1.8 | 28.40 | 74.00 | |
| 2660.38000 | 55.7 | 185.0 | H | 289.0 | 2.1 | 12.50 | 68.20 | |
| 3440.27000 | 55.0 | 138.0 | H | 76.0 | 3.2 | 13.20 | 68.20 | |
| 17181.3300 | 52.0 | 132.0 | V | 160.0 | 22.4 | 16.20 | 68.20 | |

## Final Result 2 - 5180MHz 20MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1321.88000 | 27.8 | 151.0 | H | 96.0 | -2.8 | 26.20 | 54.00 | |
| 2163.55000 | 33.8 | 254.0 | H | 188.0 | 0.5 | 34.40 | 68.20 | |
| 2543.72000 | 38.7 | 132.0 | H | 25.0 | 1.8 | 29.50 | 68.20 | |
| 3027.81000 | 44.7 | 285.0 | H | 117.0 | 2.1 | 23.50 | 68.20 | |
| 3447.99000 | 48.8 | 195.0 | H | 81.0 | 3.2 | 19.40 | 68.20 | |
| 17016.4900 | 38.2 | 139.0 | V | 252.0 | 22.4 | 30.00 | 68.20 | |

## Final Result 1 - 5220MHz 20MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1281.41000 | 47.0 | 208.0 | H | 80.0 | -2.8 | 21.20 | 68.20 | |
| 2154.24000 | 51.3 | 218.0 | H | 98.0 | 0.5 | 16.90 | 68.20 | |
| 2694.70000 | 43.7 | 116.0 | H | 238.0 | 1.8 | 30.30 | 74.00 | |
| 2921.02000 | 55.5 | 245.0 | H | 221.0 | 2.1 | 12.70 | 68.20 | |
| 3305.35000 | 53.7 | 202.0 | H | 10.0 | 3.2 | 14.50 | 68.20 | |
| 16506.4500 | 50.5 | 172.0 | H | 218.0 | 22.4 | 17.70 | 68.20 | |

## Final Result 2 - 5220MHz 20MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1238.97000 | 26.5 | 252.0 | H | 258.0 | -2.8 | 27.50 | 54.00 | |
| 1789.44000 | 33.5 | 292.0 | H | 21.0 | 0.5 | 34.70 | 68.20 | |
| 2463.20000 | 41.0 | 148.0 | H | 11.0 | 1.8 | 27.20 | 68.20 | |
| 2709.86000 | 46.7 | 285.0 | H | 106.0 | 2.1 | 7.30 | 54.00 | |
| 3437.98000 | 48.4 | 174.0 | H | 262.0 | 3.2 | 19.80 | 68.20 | |
| 17165.3400 | 37.4 | 281.0 | V | 170.0 | 22.4 | 30.80 | 68.20 | |

## Final Result 1 - 5240MHz 20MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1070.05000 | 46.3 | 128.0 | H | 76.0 | -2.8 | 27.70 | 74.00 | |
| 2018.25000 | 50.1 | 211.0 | H | 137.0 | 0.5 | 18.10 | 68.20 | |
| 2733.99000 | 43.9 | 193.0 | H | 288.0 | 1.8 | 30.10 | 74.00 | |
| 2576.15000 | 54.6 | 175.0 | H | 360.0 | 2.1 | 13.60 | 68.20 | |
| 3471.76000 | 53.6 | 177.0 | H | 44.0 | 3.2 | 14.60 | 68.20 | |
| 16297.5600 | 52.5 | 222.0 | H | 58.0 | 22.4 | 15.70 | 68.20 | |

## Final Result 2 - 5240MHz 20MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1070.05000 | 27.5 | 128.0 | H | 76.0 | -2.8 | 26.50 | 54.00 | |
| 2018.25000 | 35.3 | 211.0 | H | 137.0 | 0.5 | 32.90 | 68.20 | |
| 2733.99000 | 39.0 | 193.0 | H | 288.0 | 1.8 | 15.00 | 54.00 | |
| 2576.15000 | 46.4 | 175.0 | H | 360.0 | 2.1 | 21.80 | 68.20 | |
| 3471.76000 | 48.8 | 177.0 | H | 44.0 | 3.2 | 19.40 | 68.20 | |
| 16297.5600 | 39.2 | 222.0 | H | 58.0 | 22.4 | 29.00 | 68.20 | |

## Final Result 1 - 5190MHz 40MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1059.81000 | 45.3 | 195.0 | H | 201.0 | -2.8 | 28.70 | 74.00 | |
| 2240.18000 | 49.3 | 200.0 | H | 142.0 | 0.5 | 24.70 | 74.00 | |
| 2513.28000 | 44.4 | 124.0 | H | 7.0 | 1.8 | 23.80 | 68.20 | |
| 3161.26000 | 56.1 | 120.0 | H | 43.0 | 2.1 | 12.10 | 68.20 | |
| 3456.71000 | 53.9 | 132.0 | H | 106.0 | 3.2 | 14.30 | 68.20 | |
| 16537.0400 | 50.8 | 209.0 | V | 11.0 | 22.4 | 17.40 | 68.20 | |

## Final Result 2 - 5190MHz 40MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1059.81000 | 29.0 | 195.0 | H | 201.0 | -2.8 | 25.00 | 54.00 | |
| 2240.18000 | 33.9 | 200.0 | H | 142.0 | 0.5 | 20.10 | 54.00 | |
| 2513.28000 | 38.6 | 124.0 | H | 7.0 | 1.8 | 29.60 | 68.20 | |
| 3161.26000 | 46.5 | 120.0 | H | 43.0 | 2.1 | 21.70 | 68.20 | |
| 3456.71000 | 47.8 | 132.0 | H | 106.0 | 3.2 | 20.40 | 68.20 | |
| 16537.0400 | 39.1 | 209.0 | V | 11.0 | 22.4 | 29.10 | 68.20 | |

## Final Result 1 - 5230MHz 40MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1331.90000 | 46.4 | 263.0 | H | 167.0 | -2.8 | 27.60 | 74.00 | |
| 2100.39000 | 51.7 | 298.0 | H | 233.0 | 0.5 | 16.50 | 68.20 | |
| 2610.29000 | 43.6 | 200.0 | H | 123.0 | 1.8 | 24.60 | 68.20 | |
| 2845.40000 | 55.7 | 238.0 | H | 39.0 | 2.1 | 18.30 | 74.00 | |
| 3306.25000 | 54.7 | 196.0 | H | 328.0 | 3.2 | 13.50 | 68.20 | |
| 16418.0100 | 50.7 | 237.0 | H | 14.0 | 22.4 | 17.50 | 68.20 | |

## Final Result 2 - 5230MHz 40MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1331.90000 | 28.8 | 263.0 | H | 167.0 | -2.8 | 25.20 | 54.00 | |
| 2100.39000 | 34.2 | 298.0 | H | 233.0 | 0.5 | 34.00 | 68.20 | |
| 2610.29000 | 40.1 | 200.0 | H | 123.0 | 1.8 | 28.10 | 68.20 | |
| 2845.40000 | 45.1 | 238.0 | H | 39.0 | 2.1 | 8.90 | 54.00 | |
| 3306.25000 | 47.0 | 196.0 | H | 328.0 | 3.2 | 21.20 | 68.20 | |
| 16418.0100 | 37.7 | 237.0 | H | 14.0 | 22.4 | 30.50 | 68.20 | |

## Final Result 1 - 5210MHz 80MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1216.46000 | 46.7 | 129.0 | H | 88.0 | -2.8 | 27.30 | 74.00 | |
| 1765.61000 | 49.7 | 240.0 | H | 22.0 | 0.5 | 18.50 | 68.20 | |
| 2549.68000 | 43.7 | 180.0 | H | 17.0 | 1.8 | 24.50 | 68.20 | |
| 2829.51000 | 54.9 | 222.0 | H | 194.0 | 2.1 | 19.10 | 74.00 | |
| 3425.64000 | 52.4 | 181.0 | H | 352.0 | 3.2 | 15.80 | 68.20 | |
| 16392.8400 | 51.5 | 179.0 | V | 217.0 | 22.4 | 16.70 | 68.20 | |

## Final Result 2 - 5210MHz 80MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1216.46000 | 28.3 | 129.0 | H | 88.0 | -2.8 | 25.70 | 54.00 | |
| 1765.61000 | 34.9 | 240.0 | H | 22.0 | 0.5 | 33.30 | 68.20 | |
| 2549.68000 | 41.2 | 180.0 | H | 17.0 | 1.8 | 27.00 | 68.20 | |
| 2829.51000 | 46.9 | 222.0 | H | 194.0 | 2.1 | 7.10 | 54.00 | |
| 3425.64000 | 48.7 | 181.0 | H | 352.0 | 3.2 | 19.50 | 68.20 | |
| 16392.8400 | 38.0 | 179.0 | V | 217.0 | 22.4 | 30.20 | 68.20 | |

## Final Result 1 - 5745MHz 20MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1516.51000 | 47.2 | 224.0 | H | 110.0 | -2.8 | 26.80 | 74.00 | |
| 1901.94000 | 52.1 | 162.0 | H | 351.0 | 0.5 | 16.10 | 68.20 | |
| 2359.04000 | 44.9 | 178.0 | H | 216.0 | 1.8 | 29.10 | 74.00 | |
| 3114.75000 | 56.9 | 196.0 | H | 65.0 | 2.1 | 11.30 | 68.20 | |
| 3311.07000 | 52.8 | 168.0 | H | 78.0 | 3.2 | 15.40 | 68.20 | |
| 17149.2700 | 52.5 | 228.0 | V | 233.0 | 22.4 | 15.70 | 68.20 | |

## Final Result 2 - 5745MHz 20MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1516.51000 | 29.1 | 224.0 | H | 110.0 | -2.8 | 24.90 | 54.00 | |
| 1901.94000 | 33.3 | 162.0 | H | 351.0 | 0.5 | 34.90 | 68.20 | |
| 2359.04000 | 39.2 | 178.0 | H | 216.0 | 1.8 | 14.80 | 54.00 | |
| 3114.75000 | 44.7 | 196.0 | H | 65.0 | 2.1 | 23.50 | 68.20 | |
| 3311.07000 | 48.6 | 168.0 | H | 78.0 | 3.2 | 19.60 | 68.20 | |
| 17149.2700 | 36.8 | 228.0 | V | 233.0 | 22.4 | 31.40 | 68.20 | |

## Final Result 1 - 5785MHz 20MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1503.73000 | 47.1 | 158.0 | H | 357.0 | -2.8 | 26.90 | 74.00 | |
| 1950.73000 | 51.6 | 172.0 | H | 300.0 | 0.5 | 16.60 | 68.20 | |
| 2406.16000 | 44.6 | 235.0 | H | 261.0 | 1.8 | 23.60 | 68.20 | |
| 2807.36000 | 54.2 | 108.0 | H | 212.0 | 2.1 | 19.80 | 74.00 | |
| 3454.70000 | 53.6 | 209.0 | H | 25.0 | 3.2 | 14.60 | 68.20 | |
| 16557.7600 | 52.6 | 175.0 | V | 138.0 | 22.4 | 15.60 | 68.20 | |

## Final Result 2 - 5785MHz 20MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1503.73000 | 26.2 | 158.0 | H | 357.0 | -2.8 | 27.80 | 54.00 | |
| 1950.73000 | 35.1 | 172.0 | H | 300.0 | 0.5 | 33.10 | 68.20 | |
| 2406.16000 | 38.6 | 235.0 | H | 261.0 | 1.8 | 29.60 | 68.20 | |
| 2807.36000 | 44.6 | 108.0 | H | 212.0 | 2.1 | 9.40 | 54.00 | |
| 3454.70000 | 49.2 | 209.0 | H | 25.0 | 3.2 | 19.00 | 68.20 | |
| 16557.7600 | 37.4 | 175.0 | V | 138.0 | 22.4 | 30.80 | 68.20 | |

## Final Result 1 - 5825MHz 20MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1120.50000 | 47.4 | 148.0 | H | 183.0 | -2.8 | 26.60 | 74.00 | |
| 1895.12000 | 50.0 | 249.0 | H | 26.0 | 0.5 | 18.20 | 68.20 | |
| 2710.40000 | 43.7 | 119.0 | H | 28.0 | 1.8 | 30.30 | 74.00 | |
| 2713.63000 | 56.9 | 197.0 | H | 41.0 | 2.1 | 17.10 | 74.00 | |
| 3463.10000 | 54.3 | 236.0 | H | 312.0 | 3.2 | 13.90 | 68.20 | |
| 16910.8900 | 53.0 | 115.0 | H | 44.0 | 22.4 | 15.20 | 68.20 | |

## Final Result 2 - 5825MHz 20MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1120.50000 | 27.0 | 148.0 | H | 183.0 | -2.8 | 27.00 | 54.00 | |
| 1895.12000 | 33.9 | 249.0 | H | 26.0 | 0.5 | 34.30 | 68.20 | |
| 2710.40000 | 41.1 | 119.0 | H | 28.0 | 1.8 | 12.90 | 54.00 | |
| 2713.63000 | 46.0 | 197.0 | H | 41.0 | 2.1 | 8.00 | 54.00 | |
| 3463.10000 | 47.6 | 236.0 | H | 312.0 | 3.2 | 20.60 | 68.20 | |
| 16910.8900 | 38.7 | 115.0 | H | 44.0 | 22.4 | 29.50 | 68.20 | |

## Final Result 1 – 5755MHz 40MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1487.17000 | 45.2 | 205.0 | H | 244.0 | -2.8 | 28.80 | 74.00 | |
| 1909.40000 | 52.0 | 209.0 | H | 228.0 | 0.5 | 16.20 | 68.20 | |
| 2465.72000 | 46.2 | 132.0 | H | 303.0 | 1.8 | 22.00 | 68.20 | |
| 3258.48000 | 54.6 | 130.0 | H | 6.0 | 2.1 | 13.60 | 68.20 | |
| 3452.19000 | 54.5 | 106.0 | H | 78.0 | 3.2 | 13.70 | 68.20 | |
| 16325.3100 | 50.5 | 205.0 | V | 148.0 | 22.4 | 17.70 | 68.20 | |

## Final Result 2 - 5755MHz 40MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1487.17000 | 27.1 | 205.0 | H | 244.0 | -2.8 | 26.90 | 54.00 | |
| 1909.40000 | 34.1 | 209.0 | H | 228.0 | 0.5 | 34.10 | 68.20 | |
| 2465.72000 | 38.7 | 132.0 | H | 303.0 | 1.8 | 29.50 | 68.20 | |
| 3258.48000 | 46.1 | 130.0 | H | 6.0 | 2.1 | 22.10 | 68.20 | |
| 3452.19000 | 46.5 | 106.0 | H | 78.0 | 3.2 | 21.70 | 68.20 | |
| 16325.3100 | 37.4 | 205.0 | V | 148.0 | 22.4 | 30.80 | 68.20 | |

## Final Result 1 - 5795MHz 40MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1084.78000 | 46.6 | 268.0 | H | 38.0 | -2.8 | 27.40 | 74.00 | |
| 1842.91000 | 49.3 | 152.0 | H | 233.0 | 0.5 | 18.90 | 68.20 | |
| 2633.68000 | 44.5 | 241.0 | H | 237.0 | 1.8 | 23.70 | 68.20 | |
| 3230.48000 | 55.0 | 225.0 | H | 328.0 | 2.1 | 13.20 | 68.20 | |
| 3353.80000 | 52.9 | 148.0 | H | 51.0 | 3.2 | 21.10 | 74.00 | |
| 16824.8200 | 51.8 | 298.0 | H | 59.0 | 22.4 | 16.40 | 68.20 | |

## Final Result 2 - 5795MHz 40MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1084.78000 | 28.9 | 268.0 | H | 38.0 | -2.8 | 25.10 | 54.00 | |
| 1842.91000 | 33.2 | 152.0 | H | 233.0 | 0.5 | 35.00 | 68.20 | |
| 2633.68000 | 38.7 | 241.0 | H | 237.0 | 1.8 | 29.50 | 68.20 | |
| 3230.48000 | 45.3 | 225.0 | H | 328.0 | 2.1 | 22.90 | 68.20 | |
| 3353.80000 | 49.1 | 148.0 | H | 51.0 | 3.2 | 4.90 | 54.00 | |
| 16824.8200 | 37.6 | 298.0 | H | 59.0 | 22.4 | 30.60 | 68.20 | |

## Final Result 1 - 5775MHz 80MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1303.40000 | 45.1 | 293.0 | H | 252.0 | -2.8 | 28.90 | 74.00 | |
| 1859.76000 | 52.0 | 115.0 | H | 89.0 | 0.5 | 16.20 | 68.20 | |
| 2850.50000 | 43.5 | 117.0 | H | 16.0 | 1.8 | 30.50 | 74.00 | |
| 3213.84000 | 56.3 | 279.0 | H | 131.0 | 2.1 | 11.90 | 68.20 | |
| 3480.97000 | 53.4 | 208.0 | H | 53.0 | 3.2 | 14.80 | 68.20 | |
| 16287.3200 | 52.2 | 195.0 | V | 137.0 | 22.4 | 16.00 | 68.20 | |

## Final Result 2 - 5775MHz 80MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 1303.40000 | 28.7 | 293.0 | H | 252.0 | -2.8 | 25.30 | 54.00 | |
| 1859.76000 | 34.4 | 115.0 | H | 89.0 | 0.5 | 33.80 | 68.20 | |
| 2850.50000 | 39.4 | 117.0 | H | 16.0 | 1.8 | 14.60 | 54.00 | |
| 3213.84000 | 44.5 | 279.0 | H | 131.0 | 2.1 | 23.70 | 68.20 | |
| 3480.97000 | 47.3 | 208.0 | H | 53.0 | 3.2 | 20.90 | 68.20 | |
| 16287.3200 | 37.9 | 195.0 | V | 137.0 | 22.4 | 30.30 | 68.20 | |

# Radiated Emission Test Report

**Tested At:**
**Electro Magnetic Test, Inc.**
**1547 Plymouth Street**
**Mountain View, CA 94043**
**Tel. 650-965-4000**
**Fax. 650-965-3000**

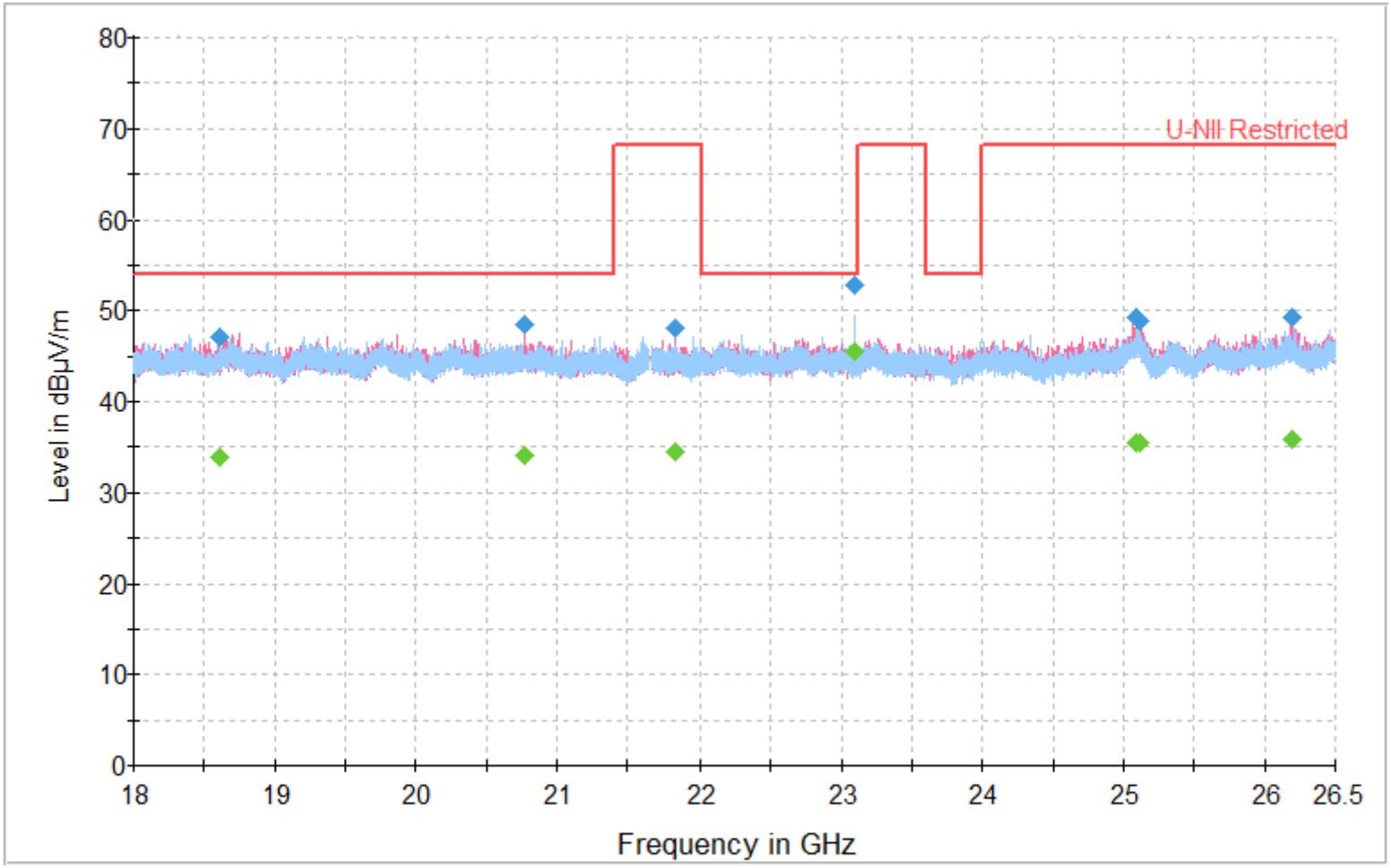
## Common Information

| | |
|---|---|
| Test Description: | FCC Class B Radiated Emissions |
| Operating Conditions: | Normal |
| Test Engineer: | Chinmay Shendurnikar |

## EUT Information

| | |
|---|---|
| Company Name: | Airspan Networks Inc |
| EUT Name | Access Point |
| Model Number: | A5x |
| Serial Number: | 001 |
| Comment: | None |

FCC Class B Radiated Sweep 18GHz-26.5GHz 3m PK AVG




FCC Class A 3m
Preview Result 1H-PK+
FCC Class A 3m PK
Final Result 1-PK+
Preview Result 1V-PK+
Final Result 2-AVG

# Final Result 1 - 5180MHz 20MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18604.350000 | 47.1 | 137.0 | H | 197.0 | 10.4 | 26.90 | 74.00 | |
| 20771.850000 | 48.4 | 170.0 | V | 76.0 | 11.0 | 25.60 | 74.00 | |
| 21824.150000 | 48.0 | 176.0 | V | 348.0 | 11.2 | 20.20 | 68.20 | |
| 23100.425000 | 52.9 | 200.0 | H | 48.0 | 11.6 | 21.10 | 74.00 | |
| 25092.400000 | 49.2 | 300.0 | V | 6.0 | 11.8 | 19.00 | 68.20 | |
| 25113.650000 | 48.9 | 234.0 | H | 58.0 | 11.8 | 19.30 | 68.20 | |
| 26191.875000 | 49.3 | 100.0 | V | 181.0 | 12.5 | 18.90 | 68.20 | |

# Final Result 2 - 5180MHz 20MHz Dipole

| Frequency (MHz) | Average (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18604.350000 | 33.9 | 137.0 | H | 197.0 | 10.4 | 20.10 | 54.00 | |
| 20771.850000 | 34.0 | 170.0 | V | 76.0 | 11.0 | 20.00 | 54.00 | |
| 21824.150000 | 34.5 | 176.0 | V | 348.0 | 11.2 | 33.70 | 68.20 | |
| 23100.425000 | 45.5 | 200.0 | H | 48.0 | 11.6 | 8.50 | 54.00 | |
| 25092.400000 | 35.5 | 300.0 | V | 6.0 | 11.8 | 32.70 | 68.20 | |
| 25113.650000 | 35.4 | 234.0 | H | 58.0 | 11.8 | 32.80 | 68.20 | |
| 26191.875000 | 35.8 | 100.0 | V | 181.0 | 12.5 | 32.40 | 68.20 | |

## Final Result 1 - 5220MHz 20MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18143.7600 | 44.4 | 168.0 | V | 24.0 | 10.4 | 29.60 | 74.00 | |
| 20713.0400 | 44.3 | 127.0 | V | 285.0 | 11.0 | 29.70 | 74.00 | |
| 21627.8700 | 44.1 | 258.0 | V | 86.0 | 11.2 | 24.10 | 68.20 | |
| 23164.8700 | 50.5 | 153.0 | V | 123.0 | 11.6 | 17.70 | 68.20 | |
| 25051.4000 | 45.6 | 112.0 | H | 124.0 | 11.8 | 22.60 | 68.20 | |
| 25197.5200 | 46.7 | 299.0 | H | 155.0 | 11.8 | 21.50 | 68.20 | |
| 26324.8000 | 45.6 | 127.0 | H | 42.0 | 12.5 | 22.60 | 68.20 | |

## Final Result 2 - 5220MHz 20MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18143.7600 | 30.0 | 168.0 | V | 24.0 | 10.4 | 24.00 | 54.00 | |
| 20713.0400 | 32.0 | 127.0 | V | 285.0 | 11.0 | 22.00 | 54.00 | |
| 21627.8700 | 32.4 | 258.0 | V | 86.0 | 11.2 | 35.80 | 68.20 | |
| 23164.8700 | 41.0 | 153.0 | V | 123.0 | 11.6 | 27.20 | 68.20 | |
| 25051.4000 | 31.6 | 112.0 | H | 124.0 | 11.8 | 36.60 | 68.20 | |
| 25197.5200 | 31.7 | 299.0 | H | 155.0 | 11.8 | 36.50 | 68.20 | |
| 26324.8000 | 31.7 | 127.0 | V | 42.0 | 12.5 | 36.50 | 68.20 | |

## Final Result 1 - 5240MHz 20MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18393.5600 | 44.5 | 166.0 | V | 87.0 | 10.4 | 29.50 | 74.00 | |
| 20695.6600 | 43.5 | 273.0 | H | 273.0 | 11.0 | 30.50 | 74.00 | |
| 21771.3600 | 43.7 | 175.0 | V | 134.0 | 11.2 | 24.50 | 68.20 | |
| 23561.5800 | 49.4 | 180.0 | H | 311.0 | 11.6 | 18.80 | 68.20 | |
| 24932.7600 | 47.1 | 120.0 | H | 77.0 | 11.8 | 21.10 | 68.20 | |
| 25402.7900 | 44.4 | 175.0 | V | 21.0 | 11.8 | 23.80 | 68.20 | |
| 26035.2500 | 44.9 | 191.0 | H | 100.0 | 12.5 | 23.30 | 68.20 | |

## Final Result 2 - 5240MHz 20MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18393.5600 | 30.9 | 166.0 | V | 87.0 | 10.4 | 23.10 | 54.00 | |
| 20695.6600 | 30.4 | 273.0 | H | 273.0 | 11.0 | 23.60 | 54.00 | |
| 21771.3600 | 31.9 | 175.0 | V | 134.0 | 11.2 | 36.30 | 68.20 | |
| 23561.5800 | 40.9 | 180.0 | H | 311.0 | 11.6 | 27.30 | 68.20 | |
| 24932.7600 | 30.9 | 120.0 | H | 77.0 | 11.8 | 37.30 | 68.20 | |
| 25402.7900 | 32.1 | 175.0 | V | 21.0 | 11.8 | 36.10 | 68.20 | |
| 26035.2500 | 33.0 | 191.0 | V | 100.0 | 12.5 | 35.20 | 68.20 | |

## Final Result 1 - 5190MHz 40MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18422.5600 | 43.3 | 284.0 | V | 25.0 | 10.4 | 30.70 | 74.00 | |
| 20951.6600 | 45.2 | 103.0 | H | 268.0 | 11.0 | 28.80 | 74.00 | |
| 21799.1100 | 43.3 | 178.0 | H | 337.0 | 11.2 | 24.90 | 68.20 | |
| 23104.0800 | 50.0 | 122.0 | V | 106.0 | 11.6 | 24.00 | 74.00 | |
| 25011.7100 | 47.2 | 295.0 | V | 149.0 | 11.8 | 21.00 | 68.20 | |
| 25128.0300 | 46.6 | 290.0 | V | 112.0 | 11.8 | 21.60 | 68.20 | |
| 26477.5800 | 44.8 | 245.0 | V | 279.0 | 12.5 | 23.40 | 68.20 | |

## Final Result 2 - 5190MHz 40MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18422.5600 | 31.5 | 284.0 | V | 25.0 | 10.4 | 22.50 | 54.00 | |
| 20951.6600 | 31.6 | 103.0 | H | 268.0 | 11.0 | 22.40 | 54.00 | |
| 21799.1100 | 31.4 | 178.0 | H | 337.0 | 11.2 | 36.80 | 68.20 | |
| 23104.0800 | 42.0 | 122.0 | V | 106.0 | 11.6 | 12.00 | 54.00 | |
| 25011.7100 | 32.2 | 295.0 | V | 149.0 | 11.8 | 36.00 | 68.20 | |
| 25128.0300 | 31.6 | 290.0 | V | 112.0 | 11.8 | 36.60 | 68.20 | |
| 26477.5800 | 32.4 | 245.0 | H | 279.0 | 12.5 | 35.80 | 68.20 | |

## Final Result 1 - 5230MHz 40MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18598.5900 | 42.5 | 300.0 | V | 132.0 | 10.4 | 31.50 | 74.00 | |
| 20812.7900 | 44.0 | 213.0 | H | 286.0 | 11.0 | 30.00 | 74.00 | |
| 21851.1200 | 43.8 | 270.0 | V | 269.0 | 11.2 | 24.40 | 68.20 | |
| 23511.9800 | 48.8 | 210.0 | H | 225.0 | 11.6 | 19.40 | 68.20 | |
| 24992.8800 | 45.4 | 121.0 | V | 94.0 | 11.8 | 22.80 | 68.20 | |
| 25560.3600 | 46.8 | 263.0 | V | 232.0 | 11.8 | 21.40 | 68.20 | |
| 26278.6600 | 46.5 | 251.0 | H | 228.0 | 12.5 | 21.70 | 68.20 | |

## Final Result 2 - 5230MHz 40MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18598.5900 | 30.5 | 300.0 | V | 132.0 | 10.4 | 23.50 | 54.00 | |
| 20812.7900 | 29.5 | 213.0 | H | 286.0 | 11.0 | 24.50 | 54.00 | |
| 21851.1200 | 30.6 | 270.0 | V | 269.0 | 11.2 | 37.60 | 68.20 | |
| 23511.9800 | 40.7 | 210.0 | H | 225.0 | 11.6 | 27.50 | 68.20 | |
| 24992.8800 | 30.5 | 121.0 | V | 94.0 | 11.8 | 37.70 | 68.20 | |
| 25560.3600 | 33.4 | 263.0 | V | 232.0 | 11.8 | 34.80 | 68.20 | |
| 26278.6600 | 31.3 | 251.0 | V | 228.0 | 12.5 | 36.90 | 68.20 | |

## Final Result 1 - 5210MHz 80MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18600.9300 | 42.5 | 204.0 | V | 117.0 | 10.4 | 31.50 | 74.00 | |
| 20629.5500 | 45.1 | 151.0 | V | 171.0 | 11.0 | 28.90 | 74.00 | |
| 22074.8400 | 45.0 | 197.0 | V | 241.0 | 11.2 | 29.00 | 74.00 | |
| 23319.6000 | 48.3 | 123.0 | H | 98.0 | 11.6 | 19.90 | 68.20 | |
| 25089.0300 | 47.2 | 265.0 | H | 252.0 | 11.8 | 21.00 | 68.20 | |
| 25559.2300 | 44.3 | 187.0 | H | 60.0 | 11.8 | 23.90 | 68.20 | |
| 26423.7600 | 45.9 | 281.0 | H | 69.0 | 12.5 | 22.30 | 68.20 | |

## Final Result 2 - 5210MHz 80MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18600.9300 | 31.7 | 204.0 | V | 117.0 | 10.4 | 22.30 | 54.00 | |
| 20629.5500 | 29.8 | 151.0 | V | 171.0 | 11.0 | 24.20 | 54.00 | |
| 22074.8400 | 31.7 | 197.0 | V | 241.0 | 11.2 | 22.30 | 54.00 | |
| 23319.6000 | 41.9 | 123.0 | H | 98.0 | 11.6 | 26.30 | 68.20 | |
| 25089.0300 | 32.3 | 265.0 | H | 252.0 | 11.8 | 35.90 | 68.20 | |
| 25559.2300 | 33.2 | 187.0 | H | 60.0 | 11.8 | 35.00 | 68.20 | |
| 26423.7600 | 31.9 | 281.0 | H | 69.0 | 12.5 | 36.30 | 68.20 | |

# F

## Final Result 1 - 5745MHz 20MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18534.6000 | 44.0 | 295.0 | V | 336.0 | 10.4 | 30.00 | 74.00 | |
| 20601.8500 | 45.4 | 248.0 | H | 355.0 | 11.0 | 28.60 | 74.00 | |
| 21660.5400 | 45.1 | 277.0 | H | 60.0 | 11.2 | 23.10 | 68.20 | |
| 23407.4600 | 49.2 | 176.0 | H | 31.0 | 11.6 | 19.00 | 68.20 | |
| 24897.2800 | 45.3 | 236.0 | V | 310.0 | 11.8 | 22.90 | 68.20 | |
| 25508.7100 | 45.0 | 270.0 | V | 188.0 | 11.8 | 23.20 | 68.20 | |
| 26186.4900 | 44.7 | 170.0 | V | 205.0 | 12.5 | 23.50 | 68.20 | |

## Final Result 2 - 5745MHz 20MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18534.6000 | 30.5 | 295.0 | V | 336.0 | 10.4 | 23.50 | 54.00 | |
| 20601.8500 | 31.8 | 248.0 | H | 355.0 | 11.0 | 22.20 | 54.00 | |
| 21660.5400 | 29.6 | 277.0 | H | 60.0 | 11.2 | 38.60 | 68.20 | |
| 23407.4600 | 41.0 | 176.0 | H | 31.0 | 11.6 | 27.20 | 68.20 | |
| 24897.2800 | 32.0 | 236.0 | V | 310.0 | 11.8 | 36.20 | 68.20 | |
| 25508.7100 | 31.4 | 270.0 | V | 188.0 | 11.8 | 36.80 | 68.20 | |
| 26186.4900 | 31.9 | 170.0 | V | 205.0 | 12.5 | 36.30 | 68.20 | |

## Final Result 1 - 5785MHz 20MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18696.6800 | 42.8 | 103.0 | V | 289.0 | 10.4 | 31.20 | 74.00 | |
| 20914.3000 | 43.5 | 205.0 | H | 68.0 | 11.0 | 30.50 | 74.00 | |
| 21993.8800 | 45.6 | 259.0 | V | 235.0 | 11.2 | 22.60 | 68.20 | |
| 23004.3200 | 50.6 | 113.0 | V | 193.0 | 11.6 | 23.40 | 74.00 | |
| 25054.3400 | 46.9 | 206.0 | H | 245.0 | 11.8 | 21.30 | 68.20 | |
| 25377.9500 | 45.4 | 141.0 | V | 288.0 | 11.8 | 22.80 | 68.20 | |
| 26087.7400 | 45.0 | 252.0 | H | 131.0 | 12.5 | 23.20 | 68.20 | |

## Final Result 2 - 5785MHz 20MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18696.6800 | 31.1 | 103.0 | V | 289.0 | 10.4 | 22.90 | 54.00 | |
| 20914.3000 | 31.0 | 205.0 | H | 68.0 | 11.0 | 23.00 | 54.00 | |
| 21993.8800 | 32.4 | 259.0 | V | 235.0 | 11.2 | 35.80 | 68.20 | |
| 23004.3200 | 41.5 | 113.0 | V | 193.0 | 11.6 | 12.50 | 54.00 | |
| 25054.3400 | 32.8 | 206.0 | H | 245.0 | 11.8 | 35.40 | 68.20 | |
| 25377.9500 | 32.5 | 141.0 | V | 288.0 | 11.8 | 35.70 | 68.20 | |
| 26087.7400 | 30.9 | 252.0 | H | 131.0 | 12.5 | 37.30 | 68.20 | |

## Final Result 1 - 5825MHz 20MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18240.2200 | 45.1 | 272.0 | V | 121.0 | 10.4 | 28.90 | 74.00 | |
| 20847.1200 | 44.9 | 188.0 | H | 316.0 | 11.0 | 29.10 | 74.00 | |
| 21967.4400 | 43.6 | 158.0 | H | 221.0 | 11.2 | 24.60 | 68.20 | |
| 23302.8700 | 50.6 | 214.0 | V | 204.0 | 11.6 | 17.60 | 68.20 | |
| 24908.2000 | 46.2 | 214.0 | H | 317.0 | 11.8 | 22.00 | 68.20 | |
| 25343.3500 | 46.5 | 279.0 | V | 43.0 | 11.8 | 21.70 | 68.20 | |
| 26026.3300 | 45.2 | 152.0 | H | 205.0 | 12.5 | 23.00 | 68.20 | |

## Final Result 2 - 5825MHz 20MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18240.2200 | 30.0 | 272.0 | V | 121.0 | 10.4 | 24.00 | 54.00 | |
| 20847.1200 | 30.2 | 188.0 | H | 316.0 | 11.0 | 23.80 | 54.00 | |
| 21967.4400 | 32.1 | 158.0 | H | 221.0 | 11.2 | 36.10 | 68.20 | |
| 23302.8700 | 42.4 | 214.0 | V | 204.0 | 11.6 | 25.80 | 68.20 | |
| 24908.2000 | 31.0 | 214.0 | H | 317.0 | 11.8 | 37.20 | 68.20 | |
| 25343.3500 | 30.5 | 279.0 | V | 43.0 | 11.8 | 37.70 | 68.20 | |
| 26026.3300 | 33.6 | 152.0 | V | 205.0 | 12.5 | 34.60 | 68.20 | |

## Final Result 1 – 5755MHz 40MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18496.3300 | 43.4 | 116.0 | H | 92.0 | 10.4 | 30.60 | 74.00 | |
| 20975.1500 | 44.2 | 259.0 | H | 226.0 | 11.0 | 29.80 | 74.00 | |
| 21845.0100 | 44.4 | 208.0 | H | 44.0 | 11.2 | 23.80 | 68.20 | |
| 23347.1700 | 50.6 | 277.0 | H | 86.0 | 11.6 | 17.60 | 68.20 | |
| 25066.2800 | 46.5 | 132.0 | V | 29.0 | 11.8 | 21.70 | 68.20 | |
| 25178.0500 | 44.7 | 255.0 | V | 46.0 | 11.8 | 23.50 | 68.20 | |
| 26108.7500 | 44.4 | 136.0 | H | 47.0 | 12.5 | 23.80 | 68.20 | |

## Final Result 2 - 5755MHz 40MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18496.3300 | 29.6 | 116.0 | H | 92.0 | 10.4 | 24.40 | 54.00 | |
| 20975.1500 | 31.0 | 259.0 | H | 226.0 | 11.0 | 23.00 | 54.00 | |
| 21845.0100 | 29.8 | 208.0 | H | 44.0 | 11.2 | 38.40 | 68.20 | |
| 23347.1700 | 41.7 | 277.0 | H | 86.0 | 11.6 | 26.50 | 68.20 | |
| 25066.2800 | 32.3 | 132.0 | V | 29.0 | 11.8 | 35.90 | 68.20 | |
| 25178.0500 | 30.9 | 255.0 | V | 46.0 | 11.8 | 37.30 | 68.20 | |
| 26108.7500 | 33.0 | 136.0 | H | 47.0 | 12.5 | 35.20 | 68.20 | |

## Final Result 1 - 5795MHz 40MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18605.2700 | 44.2 | 141.0 | H | 104.0 | 10.4 | 29.80 | 74.00 | |
| 20994.5100 | 45.0 | 165.0 | H | 321.0 | 11.0 | 29.00 | 74.00 | |
| 21691.5800 | 44.2 | 198.0 | H | 321.0 | 11.2 | 24.00 | 68.20 | |
| 22961.6800 | 48.6 | 150.0 | V | 200.0 | 11.6 | 25.40 | 74.00 | |
| 25088.4200 | 47.0 | 201.0 | V | 236.0 | 11.8 | 21.20 | 68.20 | |
| 25473.8800 | 46.5 | 257.0 | H | 47.0 | 11.8 | 21.70 | 68.20 | |
| 26472.6700 | 46.6 | 117.0 | V | 355.0 | 12.5 | 21.60 | 68.20 | |

## Final Result 2 - 5795MHz 40MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18605.2700 | 30.8 | 141.0 | H | 104.0 | 10.4 | 23.20 | 54.00 | |
| 20994.5100 | 29.1 | 165.0 | H | 321.0 | 11.0 | 24.90 | 54.00 | |
| 21691.5800 | 31.5 | 198.0 | H | 321.0 | 11.2 | 36.70 | 68.20 | |
| 22961.6800 | 41.6 | 150.0 | V | 200.0 | 11.6 | 12.40 | 54.00 | |
| 25088.4200 | 33.2 | 201.0 | V | 236.0 | 11.8 | 35.00 | 68.20 | |
| 25473.8800 | 32.8 | 257.0 | H | 47.0 | 11.8 | 35.40 | 68.20 | |
| 26472.6700 | 32.9 | 117.0 | V | 355.0 | 12.5 | 35.30 | 68.20 | |

## Final Result 1 - 5775MHz 80MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18258.8300 | 43.4 | 228.0 | H | 285.0 | 10.4 | 30.60 | 74.00 | |
| 20553.3800 | 44.0 | 238.0 | H | 227.0 | 11.0 | 30.00 | 74.00 | |
| 21864.6600 | 43.1 | 119.0 | V | 239.0 | 11.2 | 25.10 | 68.20 | |
| 23293.5400 | 49.5 | 115.0 | H | 40.0 | 11.6 | 18.70 | 68.20 | |
| 24904.9400 | 44.7 | 115.0 | H | 92.0 | 11.8 | 23.50 | 68.20 | |
| 25455.5400 | 45.7 | 173.0 | H | 310.0 | 11.8 | 22.50 | 68.20 | |
| 26235.7500 | 44.7 | 145.0 | V | 234.0 | 12.5 | 23.50 | 68.20 | |

## Final Result 2 - 5775MHz 80MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18258.8300 | 29.5 | 228.0 | H | 285.0 | 10.4 | 24.50 | 54.00 | |
| 20553.3800 | 30.4 | 238.0 | H | 227.0 | 11.0 | 23.60 | 54.00 | |
| 21864.6600 | 32.0 | 119.0 | V | 239.0 | 11.2 | 36.20 | 68.20 | |
| 23293.5400 | 41.8 | 115.0 | H | 40.0 | 11.6 | 26.40 | 68.20 | |
| 24904.9400 | 33.3 | 115.0 | H | 92.0 | 11.8 | 34.90 | 68.20 | |
| 25455.5400 | 31.9 | 173.0 | H | 310.0 | 11.8 | 36.30 | 68.20 | |
| 26235.7500 | 31.2 | 145.0 | V | 234.0 | 12.5 | 37.00 | 68.20 | |

## Final Result 1 - 5180MHz 20MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18078.0800 | 42.9 | 283.0 | V | 344.0 | 10.4 | 31.10 | 74.00 | |
| 20900.3900 | 43.5 | 241.0 | V | 119.0 | 11.0 | 30.50 | 74.00 | |
| 21808.7600 | 44.7 | 202.0 | H | 190.0 | 11.2 | 23.50 | 68.20 | |
| 23221.5300 | 50.5 | 204.0 | H | 138.0 | 11.6 | 17.70 | 68.20 | |
| 25075.5600 | 45.2 | 174.0 | H | 141.0 | 11.8 | 23.00 | 68.20 | |
| 25388.7500 | 44.7 | 296.0 | V | 7.0 | 11.8 | 23.50 | 68.20 | |
| 26033.3400 | 46.5 | 253.0 | H | 18.0 | 12.5 | 21.70 | 68.20 | |

## Final Result 2 - 5180MHz 20MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18078.0800 | 30.1 | 283.0 | V | 344.0 | 10.4 | 23.90 | 54.00 | |
| 20900.3900 | 30.9 | 241.0 | V | 119.0 | 11.0 | 23.10 | 54.00 | |
| 21808.7600 | 31.2 | 202.0 | H | 190.0 | 11.2 | 37.00 | 68.20 | |
| 23221.5300 | 41.6 | 204.0 | H | 138.0 | 11.6 | 26.60 | 68.20 | |
| 25075.5600 | 30.7 | 174.0 | H | 141.0 | 11.8 | 37.50 | 68.20 | |
| 25388.7500 | 31.7 | 296.0 | V | 7.0 | 11.8 | 36.50 | 68.20 | |
| 26033.3400 | 33.7 | 253.0 | V | 18.0 | 12.5 | 34.50 | 68.20 | |

## Final Result 1 - 5220MHz 20MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18058.5600 | 44.8 | 101.0 | H | 127.0 | 10.4 | 29.20 | 74.00 | |
| 20564.4500 | 44.4 | 293.0 | V | 288.0 | 11.0 | 29.60 | 74.00 | |
| 21623.6100 | 45.1 | 176.0 | V | 330.0 | 11.2 | 23.10 | 68.20 | |
| 23065.8100 | 48.7 | 143.0 | V | 248.0 | 11.6 | 25.30 | 74.00 | |
| 24903.9300 | 45.8 | 122.0 | H | 112.0 | 11.8 | 22.40 | 68.20 | |
| 25127.5600 | 45.6 | 136.0 | V | 55.0 | 11.8 | 22.60 | 68.20 | |
| 26105.3700 | 44.5 | 294.0 | V | 183.0 | 12.5 | 23.70 | 68.20 | |

## Final Result 2 - 5220MHz 20MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18058.5600 | 30.8 | 101.0 | H | 127.0 | 10.4 | 23.20 | 54.00 | |
| 20564.4500 | 29.6 | 293.0 | V | 288.0 | 11.0 | 24.40 | 54.00 | |
| 21623.6100 | 30.3 | 176.0 | V | 330.0 | 11.2 | 37.90 | 68.20 | |
| 23065.8100 | 41.1 | 143.0 | V | 248.0 | 11.6 | 12.90 | 54.00 | |
| 24903.9300 | 32.7 | 122.0 | H | 112.0 | 11.8 | 35.50 | 68.20 | |
| 25127.5600 | 32.9 | 136.0 | V | 55.0 | 11.8 | 35.30 | 68.20 | |
| 26105.3700 | 33.7 | 294.0 | V | 183.0 | 12.5 | 34.50 | 68.20 | |

## Final Result 1 - 5240MHz 20MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18135.2200 | 43.9 | 130.0 | V | 177.0 | 10.4 | 30.10 | 74.00 | |
| 20546.1600 | 44.1 | 200.0 | V | 307.0 | 11.0 | 29.90 | 74.00 | |
| 21788.0800 | 44.0 | 287.0 | V | 157.0 | 11.2 | 24.20 | 68.20 | |
| 23562.4200 | 49.6 | 114.0 | V | 213.0 | 11.6 | 18.60 | 68.20 | |
| 25041.1400 | 45.6 | 124.0 | H | 18.0 | 11.8 | 22.60 | 68.20 | |
| 25373.1200 | 46.3 | 260.0 | H | 312.0 | 11.8 | 21.90 | 68.20 | |
| 26056.1800 | 44.4 | 271.0 | V | 180.0 | 12.5 | 23.80 | 68.20 | |

## Final Result 2 - 5240MHz 20MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18135.2200 | 30.9 | 130.0 | V | 177.0 | 10.4 | 23.10 | 54.00 | |
| 20546.1600 | 31.4 | 200.0 | V | 307.0 | 11.0 | 22.60 | 54.00 | |
| 21788.0800 | 31.1 | 287.0 | V | 157.0 | 11.2 | 37.10 | 68.20 | |
| 23562.4200 | 41.2 | 114.0 | V | 213.0 | 11.6 | 27.00 | 68.20 | |
| 25041.1400 | 32.4 | 124.0 | H | 18.0 | 11.8 | 35.80 | 68.20 | |
| 25373.1200 | 31.7 | 260.0 | H | 312.0 | 11.8 | 36.50 | 68.20 | |
| 26056.1800 | 32.5 | 271.0 | H | 180.0 | 12.5 | 35.70 | 68.20 | |

## Final Result 1 - 5190MHz 40MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18296.9000 | 43.0 | 191.0 | V | 313.0 | 10.4 | 31.00 | 74.00 | |
| 20970.4100 | 43.9 | 230.0 | V | 24.0 | 11.0 | 30.10 | 74.00 | |
| 22069.1900 | 44.7 | 291.0 | H | 257.0 | 11.2 | 29.30 | 74.00 | |
| 22938.2700 | 50.1 | 155.0 | H | 16.0 | 11.6 | 23.90 | 74.00 | |
| 24899.2600 | 44.5 | 298.0 | V | 130.0 | 11.8 | 23.70 | 68.20 | |
| 25402.7400 | 45.9 | 264.0 | V | 82.0 | 11.8 | 22.30 | 68.20 | |
| 26026.6600 | 46.4 | 128.0 | V | 304.0 | 12.5 | 21.80 | 68.20 | |

## Final Result 2 - 5190MHz 40MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18296.9000 | 30.0 | 191.0 | V | 313.0 | 10.4 | 24.00 | 54.00 | |
| 20970.4100 | 29.7 | 230.0 | V | 24.0 | 11.0 | 24.30 | 54.00 | |
| 22069.1900 | 31.8 | 291.0 | H | 257.0 | 11.2 | 22.20 | 54.00 | |
| 22938.2700 | 42.5 | 155.0 | H | 16.0 | 11.6 | 11.50 | 54.00 | |
| 24899.2600 | 31.3 | 298.0 | V | 130.0 | 11.8 | 36.90 | 68.20 | |
| 25402.7400 | 32.3 | 264.0 | V | 82.0 | 11.8 | 35.90 | 68.20 | |
| 26026.6600 | 31.8 | 128.0 | H | 304.0 | 12.5 | 36.40 | 68.20 | |

## Final Result 1 - 5230MHz 40MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18787.3200 | 44.0 | 222.0 | H | 51.0 | 10.4 | 30.00 | 74.00 | |
| 20759.7800 | 44.5 | 172.0 | V | 15.0 | 11.0 | 29.50 | 74.00 | |
| 21797.1700 | 44.6 | 102.0 | V | 107.0 | 11.2 | 23.60 | 68.20 | |
| 23485.3000 | 50.7 | 267.0 | H | 149.0 | 11.6 | 17.50 | 68.20 | |
| 24974.9500 | 44.5 | 128.0 | H | 147.0 | 11.8 | 23.70 | 68.20 | |
| 25357.4200 | 44.2 | 218.0 | V | 270.0 | 11.8 | 24.00 | 68.20 | |
| 26331.4600 | 45.8 | 242.0 | H | 305.0 | 12.5 | 22.40 | 68.20 | |

## Final Result 2 - 5230MHz 40MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18787.3200 | 30.2 | 222.0 | H | 51.0 | 10.4 | 23.80 | 54.00 | |
| 20759.7800 | 29.2 | 172.0 | V | 15.0 | 11.0 | 24.80 | 54.00 | |
| 21797.1700 | 32.1 | 102.0 | V | 107.0 | 11.2 | 36.10 | 68.20 | |
| 23485.3000 | 42.4 | 267.0 | H | 149.0 | 11.6 | 25.80 | 68.20 | |
| 24974.9500 | 32.1 | 128.0 | H | 147.0 | 11.8 | 36.10 | 68.20 | |
| 25357.4200 | 32.2 | 218.0 | V | 270.0 | 11.8 | 36.00 | 68.20 | |
| 26331.4600 | 32.9 | 242.0 | H | 305.0 | 12.5 | 35.30 | 68.20 | |

## Final Result 1 - 5210MHz 80MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18684.7600 | 43.1 | 175.0 | H | 39.0 | 10.4 | 30.90 | 74.00 | |
| 20673.3800 | 44.0 | 187.0 | V | 166.0 | 11.0 | 30.00 | 74.00 | |
| 21583.5900 | 43.7 | 257.0 | V | 222.0 | 11.2 | 24.50 | 68.20 | |
| 23453.6100 | 48.9 | 281.0 | V | 320.0 | 11.6 | 19.30 | 68.20 | |
| 25040.3400 | 46.4 | 103.0 | V | 120.0 | 11.8 | 21.80 | 68.20 | |
| 25536.5500 | 45.3 | 278.0 | H | 353.0 | 11.8 | 22.90 | 68.20 | |
| 26229.1100 | 46.4 | 118.0 | V | 57.0 | 12.5 | 21.80 | 68.20 | |

## Final Result 2 - 5210MHz 80MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18684.7600 | 29.7 | 175.0 | H | 39.0 | 10.4 | 24.30 | 54.00 | |
| 20673.3800 | 29.4 | 187.0 | V | 166.0 | 11.0 | 24.60 | 54.00 | |
| 21583.5900 | 29.6 | 257.0 | V | 222.0 | 11.2 | 38.60 | 68.20 | |
| 23453.6100 | 43.3 | 281.0 | V | 320.0 | 11.6 | 24.90 | 68.20 | |
| 25040.3400 | 31.2 | 103.0 | V | 120.0 | 11.8 | 37.00 | 68.20 | |
| 25536.5500 | 31.7 | 278.0 | H | 353.0 | 11.8 | 36.50 | 68.20 | |
| 26229.1100 | 32.1 | 118.0 | V | 57.0 | 12.5 | 36.10 | 68.20 | |

## Final Result 1 - 5745MHz 20MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18042.4800 | 44.3 | 132.0 | V | 308.0 | 10.4 | 29.70 | 74.00 | |
| 20761.1300 | 44.3 | 104.0 | V | 115.0 | 11.0 | 29.70 | 74.00 | |
| 22033.8200 | 44.7 | 217.0 | V | 142.0 | 11.2 | 29.30 | 74.00 | |
| 23560.8900 | 48.1 | 291.0 | H | 233.0 | 11.6 | 20.10 | 68.20 | |
| 25090.7700 | 46.0 | 134.0 | H | 116.0 | 11.8 | 22.20 | 68.20 | |
| 25467.0500 | 44.4 | 128.0 | H | 248.0 | 11.8 | 23.80 | 68.20 | |
| 26019.6300 | 44.5 | 109.0 | V | 262.0 | 12.5 | 23.70 | 68.20 | |

## Final Result 2 - 5745MHz 20MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18042.4800 | 31.0 | 132.0 | V | 308.0 | 10.4 | 23.00 | 54.00 | |
| 20761.1300 | 29.5 | 104.0 | V | 115.0 | 11.0 | 24.50 | 54.00 | |
| 22033.8200 | 29.9 | 217.0 | V | 142.0 | 11.2 | 24.10 | 54.00 | |
| 23560.8900 | 40.8 | 291.0 | H | 233.0 | 11.6 | 27.40 | 68.20 | |
| 25090.7700 | 32.6 | 134.0 | H | 116.0 | 11.8 | 35.60 | 68.20 | |
| 25467.0500 | 31.4 | 128.0 | H | 248.0 | 11.8 | 36.80 | 68.20 | |
| 26019.6300 | 31.3 | 109.0 | V | 262.0 | 12.5 | 36.90 | 68.20 | |

## Final Result 1 - 5785MHz 20MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18482.0300 | 42.5 | 225.0 | V | 278.0 | 10.4 | 31.50 | 74.00 | |
| 20958.3000 | 45.1 | 218.0 | H | 317.0 | 11.0 | 28.90 | 74.00 | |
| 21796.1600 | 43.5 | 169.0 | V | 314.0 | 11.2 | 24.70 | 68.20 | |
| 22931.2200 | 49.6 | 136.0 | V | 357.0 | 11.6 | 24.40 | 74.00 | |
| 24978.0400 | 45.1 | 238.0 | V | 2.0 | 11.8 | 23.10 | 68.20 | |
| 25599.1200 | 46.2 | 226.0 | V | 339.0 | 11.8 | 22.00 | 68.20 | |
| 26195.8100 | 46.1 | 299.0 | V | 29.0 | 12.5 | 22.10 | 68.20 | |

## Final Result 2 - 5785MHz 20MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18482.0300 | 29.4 | 225.0 | V | 278.0 | 10.4 | 24.60 | 54.00 | |
| 20958.3000 | 30.8 | 218.0 | H | 317.0 | 11.0 | 23.20 | 54.00 | |
| 21796.1600 | 30.1 | 169.0 | V | 314.0 | 11.2 | 38.10 | 68.20 | |
| 22931.2200 | 41.4 | 136.0 | V | 357.0 | 11.6 | 12.60 | 54.00 | |
| 24978.0400 | 32.6 | 238.0 | V | 2.0 | 11.8 | 35.60 | 68.20 | |
| 25599.1200 | 32.8 | 226.0 | V | 339.0 | 11.8 | 35.40 | 68.20 | |
| 26195.8100 | 32.7 | 299.0 | H | 29.0 | 12.5 | 35.50 | 68.20 | |

## Final Result 1 - 5825MHz 20MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18796.4600 | 44.0 | 223.0 | V | 203.0 | 10.4 | 30.00 | 74.00 | |
| 20614.5900 | 43.6 | 280.0 | V | 104.0 | 11.0 | 30.40 | 74.00 | |
| 21655.5800 | 43.3 | 292.0 | H | 327.0 | 11.2 | 24.90 | 68.20 | |
| 23115.9700 | 48.2 | 115.0 | H | 131.0 | 11.6 | 25.80 | 74.00 | |
| 24974.7800 | 46.3 | 123.0 | V | 272.0 | 11.8 | 21.90 | 68.20 | |
| 25557.8200 | 44.0 | 175.0 | H | 151.0 | 11.8 | 24.20 | 68.20 | |
| 26023.7900 | 47.3 | 155.0 | V | 354.0 | 12.5 | 20.90 | 68.20 | |

## Final Result 2 - 5825MHz 20MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18796.4600 | 30.0 | 223.0 | V | 203.0 | 10.4 | 24.00 | 54.00 | |
| 20614.5900 | 32.0 | 280.0 | V | 104.0 | 11.0 | 22.00 | 54.00 | |
| 21655.5800 | 30.3 | 292.0 | H | 327.0 | 11.2 | 37.90 | 68.20 | |
| 23115.9700 | 43.0 | 115.0 | H | 131.0 | 11.6 | 11.00 | 54.00 | |
| 24974.7800 | 31.6 | 123.0 | V | 272.0 | 11.8 | 36.60 | 68.20 | |
| 25557.8200 | 31.8 | 175.0 | H | 151.0 | 11.8 | 36.40 | 68.20 | |
| 26023.7900 | 31.6 | 155.0 | H | 354.0 | 12.5 | 36.60 | 68.20 | |

## Final Result 1 – 5755MHz 40MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18111.6000 | 42.2 | 180.0 | V | 68.0 | 10.4 | 31.80 | 74.00 | |
| 20984.0400 | 43.4 | 151.0 | V | 32.0 | 11.0 | 30.60 | 74.00 | |
| 22028.1900 | 43.2 | 103.0 | H | 302.0 | 11.2 | 30.80 | 74.00 | |
| 23355.0900 | 48.3 | 260.0 | H | 86.0 | 11.6 | 19.90 | 68.20 | |
| 25092.4700 | 45.7 | 278.0 | V | 136.0 | 11.8 | 22.50 | 68.20 | |
| 25587.3000 | 44.3 | 189.0 | H | 105.0 | 11.8 | 23.90 | 68.20 | |
| 26463.5100 | 44.4 | 218.0 | H | 82.0 | 12.5 | 23.80 | 68.20 | |

## Final Result 2 - 5755MHz 40MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18111.6000 | 30.6 | 180.0 | V | 68.0 | 10.4 | 23.40 | 54.00 | |
| 20984.0400 | 31.6 | 151.0 | V | 32.0 | 11.0 | 22.40 | 54.00 | |
| 22028.1900 | 30.1 | 103.0 | H | 302.0 | 11.2 | 23.90 | 54.00 | |
| 23355.0900 | 41.1 | 260.0 | H | 86.0 | 11.6 | 27.10 | 68.20 | |
| 25092.4700 | 33.0 | 278.0 | V | 136.0 | 11.8 | 35.20 | 68.20 | |
| 25587.3000 | 32.4 | 189.0 | H | 105.0 | 11.8 | 35.80 | 68.20 | |
| 26463.5100 | 32.0 | 218.0 | V | 82.0 | 12.5 | 36.20 | 68.20 | |

## Final Result 1 - 5795MHz 40MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18138.1700 | 43.9 | 262.0 | V | 349.0 | 10.4 | 30.10 | 74.00 | |
| 20783.6300 | 45.8 | 284.0 | H | 347.0 | 11.0 | 28.20 | 74.00 | |
| 21643.8500 | 43.6 | 115.0 | H | 312.0 | 11.2 | 24.60 | 68.20 | |
| 23494.4100 | 50.9 | 203.0 | H | 50.0 | 11.6 | 17.30 | 68.20 | |
| 25103.0100 | 47.0 | 171.0 | H | 11.0 | 11.8 | 21.20 | 68.20 | |
| 25174.6700 | 45.5 | 246.0 | V | 286.0 | 11.8 | 22.70 | 68.20 | |
| 26304.3600 | 47.3 | 239.0 | V | 245.0 | 12.5 | 20.90 | 68.20 | |

## Final Result 2 - 5795MHz 40MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18138.1700 | 29.7 | 262.0 | V | 349.0 | 10.4 | 24.30 | 54.00 | |
| 20783.6300 | 30.6 | 284.0 | H | 347.0 | 11.0 | 23.40 | 54.00 | |
| 21643.8500 | 32.1 | 115.0 | H | 312.0 | 11.2 | 36.10 | 68.20 | |
| 23494.4100 | 42.4 | 203.0 | H | 50.0 | 11.6 | 25.80 | 68.20 | |
| 25103.0100 | 32.8 | 171.0 | H | 11.0 | 11.8 | 35.40 | 68.20 | |
| 25174.6700 | 31.0 | 246.0 | V | 286.0 | 11.8 | 37.20 | 68.20 | |
| 26304.3600 | 32.3 | 239.0 | H | 245.0 | 12.5 | 35.90 | 68.20 | |

## Final Result 1 - 5775MHz 80MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18436.3500 | 42.3 | 181.0 | H | 118.0 | 10.4 | 31.70 | 74.00 | |
| 20617.4400 | 44.9 | 160.0 | H | 40.0 | 11.0 | 29.10 | 74.00 | |
| 21782.5300 | 43.4 | 209.0 | V | 125.0 | 11.2 | 24.80 | 68.20 | |
| 23479.8500 | 48.2 | 101.0 | V | 234.0 | 11.6 | 20.00 | 68.20 | |
| 25055.5100 | 44.4 | 201.0 | H | 9.0 | 11.8 | 23.80 | 68.20 | |
| 25179.1800 | 44.3 | 149.0 | V | 139.0 | 11.8 | 23.90 | 68.20 | |
| 26467.5200 | 45.1 | 143.0 | V | 81.0 | 12.5 | 23.10 | 68.20 | |

## Final Result 2 - 5775MHz 80MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 18436.3500 | 29.2 | 181.0 | H | 118.0 | 10.4 | 24.80 | 54.00 | |
| 20617.4400 | 31.0 | 160.0 | H | 40.0 | 11.0 | 23.00 | 54.00 | |
| 21782.5300 | 30.8 | 209.0 | V | 125.0 | 11.2 | 37.40 | 68.20 | |
| 23479.8500 | 43.0 | 101.0 | V | 234.0 | 11.6 | 25.20 | 68.20 | |
| 25055.5100 | 32.6 | 201.0 | H | 9.0 | 11.8 | 35.60 | 68.20 | |
| 25179.1800 | 30.7 | 149.0 | V | 139.0 | 11.8 | 37.50 | 68.20 | |
| 26467.5200 | 32.5 | 143.0 | H | 81.0 | 12.5 | 35.70 | 68.20 | |

# Radiated Emission Test Report

**Tested At:**
**Electro Magnetic Test, Inc.**
**1547 Plymouth Street**
**Mountain View, CA 94043**
**Tel. 650-965-4000**
**Fax. 650-965-3000**

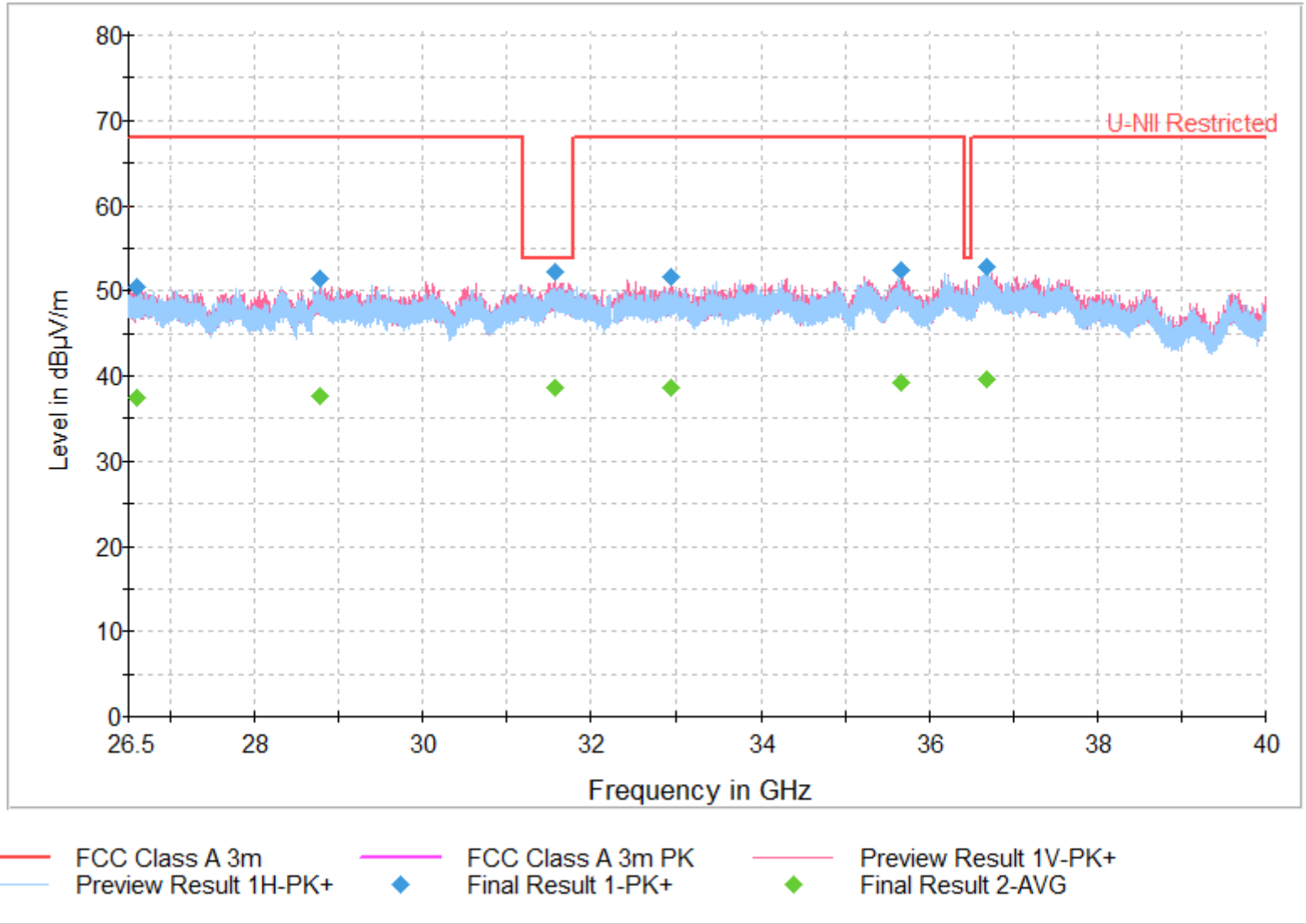
## Common Information

| | |
|---|---|
| Test Description: | FCC Class B Radiated Emissions |
| Operating Conditions: | Normal |
| Test Engineer: | Chinmay Shendurnikar |

## EUT Information

| | |
|---|---|
| Company Name: | Airspan Networks Inc |
| EUT Name | Access Point |
| Model Number: | A5x |
| Serial Number: | 001 |
| Comment: | None |

FCC Class B Radiated Sweep 26.5GHz-40GHz 3m PK AVG



## Final Result 1 - 5180MHz 20MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26590.000000 | 50.5 | 245.0 | V | 156.0 | 0.0 | 17.70 | 68.20 | |
| 28777.000000 | 51.4 | 100.0 | V | 185.0 | 0.9 | 16.80 | 68.20 | |
| 31579.150000 | 52.2 | 140.0 | V | 39.0 | 0.2 | 21.80 | 74.00 | |
| 32936.800000 | 51.6 | 205.0 | V | 231.0 | -0.3 | 16.60 | 68.20 | |
| 35669.200000 | 52.4 | 228.0 | V | 81.0 | -2.0 | 15.80 | 68.20 | |
| 36681.700000 | 52.9 | 179.0 | H | 67.0 | -0.8 | 15.30 | 68.20 | |

## Final Result 2 - 5180MHz 20MHz Dipole

| Frequency (MHz) | Average (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26590.000000 | 37.4 | 245.0 | V | 156.0 | 0.0 | 30.80 | 68.20 | |
| 28777.000000 | 37.7 | 100.0 | V | 185.0 | 0.9 | 30.50 | 68.20 | |
| 31579.150000 | 38.7 | 140.0 | V | 39.0 | 0.2 | 15.30 | 54.00 | |
| 32936.800000 | 38.7 | 205.0 | V | 231.0 | -0.3 | 29.50 | 68.20 | |
| 35669.200000 | 39.1 | 228.0 | V | 81.0 | -2.0 | 29.10 | 68.20 | |
| 36681.700000 | 39.6 | 179.0 | H | 67.0 | -0.8 | 28.60 | 68.20 | |

## Final Result 1 - 5220MHz 20MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26524.7400 | 47.2 | 281.0 | H | 235.0 | 0.0 | 21.00 | 68.20 | |
| 28862.9000 | 48.1 | 162.0 | H | 255.0 | 0.9 | 20.10 | 68.20 | |
| 31767.2500 | 47.8 | 285.0 | V | 69.0 | 0.2 | 26.20 | 74.00 | |
| 32848.7000 | 46.8 | 108.0 | V | 293.0 | -0.3 | 21.40 | 68.20 | |
| 35575.8700 | 49.5 | 154.0 | H | 337.0 | -2.0 | 18.70 | 68.20 | |
| 36802.8000 | 50.8 | 173.0 | V | 197.0 | -0.8 | 17.40 | 68.20 | |

## Final Result 2 - 5220MHz 20MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26524.7400 | 33.4 | 281.0 | H | 235.0 | 0.0 | 34.80 | 68.20 | |
| 28862.9000 | 34.2 | 162.0 | H | 255.0 | 0.9 | 34.00 | 68.20 | |
| 31767.2500 | 34.8 | 285.0 | V | 69.0 | 0.2 | 19.20 | 54.00 | |
| 32848.7000 | 35.2 | 108.0 | V | 293.0 | -0.3 | 33.00 | 68.20 | |
| 35575.8700 | 34.5 | 154.0 | H | 337.0 | -2.0 | 33.70 | 68.20 | |
| 36802.8000 | 36.9 | 173.0 | V | 197.0 | -0.8 | 31.30 | 68.20 | |

## Final Result 1 - 5240MHz 20MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26142.7200 | 45.5 | 216.0 | H | 17.0 | 0.0 | 22.70 | 68.20 | |
| 28541.1700 | 49.3 | 292.0 | V | 118.0 | 0.9 | 18.90 | 68.20 | |
| 31457.1300 | 47.9 | 191.0 | V | 192.0 | 0.2 | 26.10 | 74.00 | |
| 32704.3800 | 48.8 | 168.0 | H | 248.0 | -0.3 | 19.40 | 68.20 | |
| 35548.4800 | 48.5 | 250.0 | V | 314.0 | -2.0 | 19.70 | 68.20 | |
| 36836.1100 | 48.7 | 168.0 | H | 180.0 | -0.8 | 19.50 | 68.20 | |

## Final Result 2 - 5240MHz 20MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26142.7200 | 35.0 | 216.0 | H | 17.0 | 0.0 | 33.20 | 68.20 | |
| 28541.1700 | 35.5 | 292.0 | V | 118.0 | 0.9 | 32.70 | 68.20 | |
| 31457.1300 | 34.0 | 191.0 | V | 192.0 | 0.2 | 20.00 | 54.00 | |
| 32704.3800 | 33.8 | 168.0 | H | 248.0 | -0.3 | 34.40 | 68.20 | |
| 35548.4800 | 36.6 | 250.0 | V | 314.0 | -2.0 | 31.60 | 68.20 | |
| 36836.1100 | 35.5 | 168.0 | H | 180.0 | -0.8 | 32.70 | 68.20 | |

## Final Result 1 - 5190MHz 40MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26557.3800 | 47.2 | 182.0 | H | 244.0 | 0.0 | 21.00 | 68.20 | |
| 28785.9900 | 48.0 | 193.0 | V | 336.0 | 0.9 | 20.20 | 68.20 | |
| 31514.7900 | 48.4 | 109.0 | V | 198.0 | 0.2 | 25.60 | 74.00 | |
| 33413.0600 | 47.8 | 218.0 | V | 91.0 | -0.3 | 20.40 | 68.20 | |
| 35522.7700 | 49.8 | 211.0 | H | 117.0 | -2.0 | 18.40 | 68.20 | |
| 37003.0400 | 50.4 | 172.0 | H | 82.0 | -0.8 | 17.80 | 68.20 | |

## Final Result 2 - 5190MHz 40MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26557.3800 | 35.1 | 182.0 | H | 244.0 | 0.0 | 33.10 | 68.20 | |
| 28785.9900 | 34.9 | 193.0 | V | 336.0 | 0.9 | 33.30 | 68.20 | |
| 31514.7900 | 33.9 | 109.0 | V | 198.0 | 0.2 | 20.10 | 54.00 | |
| 33413.0600 | 34.1 | 218.0 | V | 91.0 | -0.3 | 34.10 | 68.20 | |
| 35522.7700 | 34.9 | 211.0 | H | 117.0 | -2.0 | 33.30 | 68.20 | |
| 37003.0400 | 35.5 | 172.0 | H | 82.0 | -0.8 | 32.70 | 68.20 | |

## Final Result 1 - 5230MHz 40MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26738.3100 | 48.0 | 138.0 | H | 186.0 | 0.0 | 20.20 | 68.20 | |
| 28747.3200 | 46.4 | 100.0 | H | 263.0 | 0.9 | 21.80 | 68.20 | |
| 31778.3700 | 50.1 | 184.0 | V | 307.0 | 0.2 | 23.90 | 74.00 | |
| 33308.8700 | 47.6 | 100.0 | V | 268.0 | -0.3 | 20.60 | 68.20 | |
| 35527.8800 | 49.5 | 285.0 | V | 346.0 | -2.0 | 18.70 | 68.20 | |
| 37058.4300 | 49.0 | 297.0 | V | 70.0 | -0.8 | 19.20 | 68.20 | |

## Final Result 2 - 5230MHz 40MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26738.3100 | 35.1 | 138.0 | H | 186.0 | 0.0 | 33.10 | 68.20 | |
| 28747.3200 | 34.3 | 100.0 | H | 263.0 | 0.9 | 33.90 | 68.20 | |
| 31778.3700 | 34.5 | 184.0 | V | 307.0 | 0.2 | 19.50 | 54.00 | |
| 33308.8700 | 34.9 | 100.0 | V | 268.0 | -0.3 | 33.30 | 68.20 | |
| 35527.8800 | 36.9 | 285.0 | V | 346.0 | -2.0 | 31.30 | 68.20 | |
| 37058.4300 | 37.6 | 297.0 | V | 70.0 | -0.8 | 30.60 | 68.20 | |

## Final Result 1 - 5210MHz 80MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26059.8100 | 48.1 | 203.0 | H | 236.0 | 0.0 | 20.10 | 68.20 | |
| 28734.1400 | 47.0 | 260.0 | V | 35.0 | 0.9 | 21.20 | 68.20 | |
| 31399.4600 | 48.1 | 114.0 | V | 199.0 | 0.2 | 25.90 | 74.00 | |
| 33124.0200 | 48.9 | 212.0 | V | 234.0 | -0.3 | 19.30 | 68.20 | |
| 35556.5400 | 50.0 | 164.0 | H | 239.0 | -2.0 | 18.20 | 68.20 | |
| 36725.0700 | 50.0 | 160.0 | H | 226.0 | -0.8 | 18.20 | 68.20 | |

## Final Result 2 - 5210MHz 80MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26839.5100 | 33.3 | 145.0 | V | 74.0 | 0.0 | 34.90 | 68.20 | |
| 28748.2100 | 32.8 | 114.0 | V | 72.0 | 0.9 | 35.40 | 68.20 | |
| 31443.4800 | 33.9 | 273.0 | H | 93.0 | 0.2 | 20.10 | 54.00 | |
| 32877.0400 | 33.9 | 103.0 | H | 333.0 | -0.3 | 34.30 | 68.20 | |
| 35557.9100 | 35.9 | 290.0 | H | 99.0 | -2.0 | 32.30 | 68.20 | |
| 36969.7600 | 35.6 | 121.0 | H | 255.0 | -0.8 | 32.60 | 68.20 | |

## Final Result 1 - 5745MHz 20MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26549.5100 | 45.8 | 291.0 | V | 120.0 | 0.0 | 22.40 | 68.20 | |
| 28860.2700 | 46.8 | 170.0 | H | 159.0 | 0.9 | 21.40 | 68.20 | |
| 31602.3400 | 47.3 | 269.0 | H | 263.0 | 0.2 | 26.70 | 74.00 | |
| 33317.2200 | 49.5 | 163.0 | H | 45.0 | -0.3 | 18.70 | 68.20 | |
| 35497.4400 | 50.0 | 260.0 | H | 282.0 | -2.0 | 18.20 | 68.20 | |
| 37103.2000 | 48.0 | 287.0 | V | 32.0 | -0.8 | 20.20 | 68.20 | |

## Final Result 2 - 5745MHz 20MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26549.5100 | 35.1 | 291.0 | V | 120.0 | 0.0 | 33.10 | 68.20 | |
| 28860.2700 | 33.8 | 170.0 | H | 159.0 | 0.9 | 34.40 | 68.20 | |
| 31602.3400 | 34.0 | 269.0 | H | 263.0 | 0.2 | 20.00 | 54.00 | |
| 33317.2200 | 36.5 | 163.0 | H | 45.0 | -0.3 | 31.70 | 68.20 | |
| 35497.4400 | 34.6 | 260.0 | H | 282.0 | -2.0 | 33.60 | 68.20 | |
| 37103.2000 | 36.1 | 287.0 | V | 32.0 | -0.8 | 32.10 | 68.20 | |

## Final Result 1 - 5785MHz 20MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26608.7400 | 47.2 | 273.0 | H | 69.0 | 0.0 | 21.00 | 68.20 | |
| 28559.5800 | 47.6 | 157.0 | H | 106.0 | 0.9 | 20.60 | 68.20 | |
| 31479.4300 | 47.4 | 172.0 | V | 157.0 | 0.2 | 26.60 | 74.00 | |
| 32930.6400 | 47.8 | 279.0 | H | 225.0 | -0.3 | 20.40 | 68.20 | |
| 35488.3800 | 49.3 | 262.0 | V | 83.0 | -2.0 | 18.90 | 68.20 | |
| 36839.8700 | 49.6 | 174.0 | H | 0.0 | -0.8 | 18.60 | 68.20 | |

## Final Result 2 - 5785MHz 20MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26608.7400 | 34.7 | 273.0 | H | 69.0 | 0.0 | 33.50 | 68.20 | |
| 28559.5800 | 35.0 | 157.0 | H | 106.0 | 0.9 | 33.20 | 68.20 | |
| 31479.4300 | 34.1 | 172.0 | V | 157.0 | 0.2 | 19.90 | 54.00 | |
| 32930.6400 | 35.2 | 279.0 | H | 225.0 | -0.3 | 33.00 | 68.20 | |
| 35488.3800 | 36.2 | 262.0 | V | 83.0 | -2.0 | 32.00 | 68.20 | |
| 36839.8700 | 36.0 | 174.0 | H | 0.0 | -0.8 | 32.20 | 68.20 | |

## Final Result 1 - 5825MHz 20MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26695.0800 | 45.9 | 119.0 | H | 173.0 | 0.0 | 22.30 | 68.20 | |
| 28575.1400 | 48.3 | 185.0 | V | 169.0 | 0.9 | 19.90 | 68.20 | |
| 31732.2500 | 49.1 | 148.0 | H | 89.0 | 0.2 | 24.90 | 74.00 | |
| 33264.0500 | 46.8 | 167.0 | V | 313.0 | -0.3 | 21.40 | 68.20 | |
| 35532.2900 | 48.5 | 208.0 | H | 69.0 | -2.0 | 19.70 | 68.20 | |
| 37181.4800 | 48.5 | 123.0 | V | 293.0 | -0.8 | 19.70 | 68.20 | |

## Final Result 2 - 5825MHz 20MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26695.0800 | 34.0 | 119.0 | H | 173.0 | 0.0 | 34.20 | 68.20 | |
| 28575.1400 | 35.3 | 185.0 | V | 169.0 | 0.9 | 32.90 | 68.20 | |
| 31732.2500 | 36.1 | 148.0 | H | 89.0 | 0.2 | 17.90 | 54.00 | |
| 33264.0500 | 36.3 | 167.0 | V | 313.0 | -0.3 | 31.90 | 68.20 | |
| 35532.2900 | 34.2 | 208.0 | H | 69.0 | -2.0 | 34.00 | 68.20 | |
| 37181.4800 | 36.4 | 123.0 | V | 293.0 | -0.8 | 31.80 | 68.20 | |

## Final Result 1 – 5755MHz 40MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26252.3600 | 47.8 | 231.0 | V | 71.0 | 0.0 | 20.40 | 68.20 | |
| 28906.9700 | 48.8 | 241.0 | H | 151.0 | 0.9 | 19.40 | 68.20 | |
| 31698.2300 | 48.6 | 281.0 | H | 108.0 | 0.2 | 25.40 | 74.00 | |
| 33205.3000 | 48.8 | 150.0 | V | 105.0 | -0.3 | 19.40 | 68.20 | |
| 35572.4700 | 50.3 | 123.0 | V | 284.0 | -2.0 | 17.90 | 68.20 | |
| 37138.8300 | 48.0 | 140.0 | V | 179.0 | -0.8 | 20.20 | 68.20 | |

## Final Result 2 - 5755MHz 40MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26252.3600 | 34.0 | 231.0 | V | 71.0 | 0.0 | 34.20 | 68.20 | |
| 28906.9700 | 34.7 | 241.0 | H | 151.0 | 0.9 | 33.50 | 68.20 | |
| 31698.2300 | 36.0 | 281.0 | H | 108.0 | 0.2 | 18.00 | 54.00 | |
| 33205.3000 | 34.9 | 150.0 | V | 105.0 | -0.3 | 33.30 | 68.20 | |
| 35572.4700 | 36.2 | 123.0 | V | 284.0 | -2.0 | 32.00 | 68.20 | |
| 37138.8300 | 34.6 | 140.0 | V | 179.0 | -0.8 | 33.60 | 68.20 | |

## Final Result 1 - 5795MHz 40MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| **26668.2300** | **48.4** | **168.0** | **H** | **20.0** | **0.0** | **19.80** | **68.20** | |
| **28771.7600** | **49.0** | **188.0** | **H** | **208.0** | **0.9** | **19.20** | **68.20** | |
| **31691.1900** | **49.6** | **131.0** | **V** | **236.0** | **0.2** | **24.40** | **74.00** | |
| **32997.6100** | **49.3** | **234.0** | **V** | **193.0** | **-0.3** | **18.90** | **68.20** | |
| **35478.0600** | **49.6** | **289.0** | **H** | **47.0** | **-2.0** | **18.60** | **68.20** | |
| **36967.2600** | **49.1** | **194.0** | **V** | **90.0** | **-0.8** | **19.10** | **68.20** | |

## Final Result 2 - 5795MHz 40MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26668.2300 | 33.2 | **168.0** | **H** | **20.0** | **0.0** | **35.00** | **68.20** | |
| 28771.7600 | 33.5 | **188.0** | **H** | **208.0** | **0.9** | **34.70** | **68.20** | |
| 31691.1900 | 36.7 | **131.0** | **V** | **236.0** | **0.2** | **17.30** | **54.00** | |
| 32997.6100 | 35.8 | **234.0** | **V** | **193.0** | **-0.3** | **32.40** | **68.20** | |
| 35478.0600 | 35.3 | **289.0** | **H** | **47.0** | **-2.0** | **32.90** | **68.20** | |
| 36967.2600 | 34.8 | **194.0** | **V** | **90.0** | **-0.8** | **33.40** | **68.20** | |

## Final Result 1 - 5775MHz 80MHz Dipole

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26082.3700 | 46.7 | 140.0 | V | 299.0 | 0.0 | 21.50 | 68.20 | |
| 28897.7900 | 48.0 | 190.0 | V | 85.0 | 0.9 | 20.20 | 68.20 | |
| 31511.0700 | 47.3 | 206.0 | H | 133.0 | 0.2 | 26.70 | 74.00 | |
| 32763.9600 | 49.1 | 150.0 | H | 87.0 | -0.3 | 19.10 | 68.20 | |
| 35471.3200 | 50.1 | 275.0 | V | 212.0 | -2.0 | 18.10 | 68.20 | |
| 37122.9600 | 48.5 | 134.0 | V | 215.0 | -0.8 | 19.70 | 68.20 | |

## Final Result 2 - 5775MHz 80MHz Dipole

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26082.3700 | 34.4 | 140.0 | V | 299.0 | 0.0 | 33.80 | 68.20 | |
| 28897.7900 | 34.4 | 190.0 | V | 85.0 | 0.9 | 33.80 | 68.20 | |
| 31511.0700 | 35.0 | 206.0 | H | 133.0 | 0.2 | 19.00 | 54.00 | |
| 32763.9600 | 35.4 | 150.0 | H | 87.0 | -0.3 | 32.80 | 68.20 | |
| 35471.3200 | 37.0 | 275.0 | V | 212.0 | -2.0 | 31.20 | 68.20 | |
| 37122.9600 | 36.4 | 134.0 | V | 215.0 | -0.8 | 31.80 | 68.20 | |

## Final Result 1 - 5180MHz 20MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26587.7700 | 46.0 | 228.0 | V | 287.0 | 0.0 | 22.20 | 68.20 | |
| 28982.6600 | 48.9 | 292.0 | V | 359.0 | 0.9 | 19.30 | 68.20 | |
| 31782.2200 | 48.2 | 201.0 | V | 332.0 | 0.2 | 25.80 | 74.00 | |
| 32817.2800 | 47.1 | 205.0 | V | 131.0 | -0.3 | 21.10 | 68.20 | |
| 35471.8800 | 49.6 | 193.0 | V | 27.0 | -2.0 | 18.60 | 68.20 | |
| 36805.2800 | 49.5 | 290.0 | H | 183.0 | -0.8 | 18.70 | 68.20 | |

## Final Result 2 - 5180MHz 20MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26587.7700 | 34.1 | 228.0 | V | 287.0 | 0.0 | 34.10 | 68.20 | |
| 28982.6600 | 34.3 | 292.0 | V | 359.0 | 0.9 | 33.90 | 68.20 | |
| 31782.2200 | 35.1 | 201.0 | V | 332.0 | 0.2 | 18.90 | 54.00 | |
| 32817.2800 | 34.9 | 205.0 | V | 131.0 | -0.3 | 33.30 | 68.20 | |
| 35471.8800 | 35.4 | 193.0 | V | 27.0 | -2.0 | 32.80 | 68.20 | |
| 36805.2800 | 35.7 | 290.0 | H | 183.0 | -0.8 | 32.50 | 68.20 | |

## Final Result 1 - 5220MHz 20MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26430.2300 | 48.0 | 297.0 | H | 254.0 | 0.0 | 20.20 | 68.20 | |
| 28678.6600 | 47.8 | 218.0 | V | 23.0 | 0.9 | 20.40 | 68.20 | |
| 31546.2600 | 48.8 | 222.0 | H | 138.0 | 0.2 | 25.20 | 74.00 | |
| 32770.5400 | 49.1 | 221.0 | V | 295.0 | -0.3 | 19.10 | 68.20 | |
| 35631.8900 | 48.0 | 176.0 | V | 133.0 | -2.0 | 20.20 | 68.20 | |
| 37079.9100 | 50.1 | 278.0 | H | 54.0 | -0.8 | 18.10 | 68.20 | |

## Final Result 2 - 5220MHz 20MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26430.2300 | 32.5 | 297.0 | H | 254.0 | 0.0 | 35.70 | 68.20 | |
| 28678.6600 | 33.1 | 218.0 | V | 23.0 | 0.9 | 35.10 | 68.20 | |
| 31546.2600 | 36.3 | 222.0 | H | 138.0 | 0.2 | 17.70 | 54.00 | |
| 32770.5400 | 33.8 | 221.0 | V | 295.0 | -0.3 | 34.40 | 68.20 | |
| 35631.8900 | 34.3 | 176.0 | V | 133.0 | -2.0 | 33.90 | 68.20 | |
| 37079.9100 | 35.4 | 278.0 | H | 54.0 | -0.8 | 32.80 | 68.20 | |

## Final Result 1 - 5240MHz 20MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26338.4900 | 46.1 | 108.0 | H | 237.0 | 0.0 | 22.10 | 68.20 | |
| 28923.3600 | 48.9 | 255.0 | H | 196.0 | 0.9 | 19.30 | 68.20 | |
| 31407.4000 | 47.9 | 224.0 | H | 135.0 | 0.2 | 26.10 | 74.00 | |
| 32726.9700 | 47.2 | 127.0 | V | 80.0 | -0.3 | 21.00 | 68.20 | |
| 35587.7500 | 48.2 | 145.0 | H | 191.0 | -2.0 | 20.00 | 68.20 | |
| 36897.4500 | 50.0 | 155.0 | H | 218.0 | -0.8 | 18.20 | 68.20 | |

## Final Result 2 - 5240MHz 20MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26338.4900 | 34.7 | 108.0 | H | 237.0 | 0.0 | 33.50 | 68.20 | |
| 28923.3600 | 33.2 | 255.0 | H | 196.0 | 0.9 | 35.00 | 68.20 | |
| 31407.4000 | 36.1 | 224.0 | H | 135.0 | 0.2 | 17.90 | 54.00 | |
| 32726.9700 | 34.2 | 127.0 | V | 80.0 | -0.3 | 34.00 | 68.20 | |
| 35587.7500 | 36.5 | 145.0 | H | 191.0 | -2.0 | 31.70 | 68.20 | |
| 36897.4500 | 37.4 | 155.0 | H | 218.0 | -0.8 | 30.80 | 68.20 | |

## Final Result 1 - 5190MHz 40MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 25994.5400 | 46.1 | 280.0 | V | 8.0 | 0.0 | 22.10 | 68.20 | |
| 28685.3400 | 47.3 | 205.0 | V | 151.0 | 0.9 | 20.90 | 68.20 | |
| 31524.3400 | 48.1 | 102.0 | V | 107.0 | 0.2 | 25.90 | 74.00 | |
| 33424.3500 | 46.8 | 217.0 | H | 160.0 | -0.3 | 21.40 | 68.20 | |
| 35583.5000 | 48.3 | 242.0 | V | 332.0 | -2.0 | 19.90 | 68.20 | |
| 36872.3100 | 48.4 | 295.0 | V | 123.0 | -0.8 | 19.80 | 68.20 | |

## Final Result 2 - 5190MHz 40MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 25994.5400 | 34.2 | 280.0 | V | 8.0 | 0.0 | 34.00 | 68.20 | |
| 28685.3400 | 34.8 | 205.0 | V | 151.0 | 0.9 | 33.40 | 68.20 | |
| 31524.3400 | 35.5 | 102.0 | V | 107.0 | 0.2 | 18.50 | 54.00 | |
| 33424.3500 | 33.7 | 217.0 | H | 160.0 | -0.3 | 34.50 | 68.20 | |
| 35583.5000 | 36.3 | 242.0 | V | 332.0 | -2.0 | 31.90 | 68.20 | |
| 36872.3100 | 36.8 | 295.0 | V | 123.0 | -0.8 | 31.40 | 68.20 | |

## Final Result 1 - 5230MHz 40MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26257.7900 | 45.8 | 171.0 | H | 347.0 | 0.0 | 22.40 | 68.20 | |
| 28959.8400 | 49.3 | 257.0 | V | 38.0 | 0.9 | 18.90 | 68.20 | |
| 31556.3900 | 48.1 | 155.0 | V | 241.0 | 0.2 | 25.90 | 74.00 | |
| 32758.4100 | 47.6 | 298.0 | V | 312.0 | -0.3 | 20.60 | 68.20 | |
| 35585.6700 | 47.8 | 184.0 | V | 157.0 | -2.0 | 20.40 | 68.20 | |
| 36859.6400 | 48.4 | 253.0 | V | 0.0 | -0.8 | 19.80 | 68.20 | |

## Final Result 2 - 5230MHz 40MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26257.7900 | 35.3 | 171.0 | H | 347.0 | 0.0 | 32.90 | 68.20 | |
| 28959.8400 | 34.3 | 257.0 | V | 38.0 | 0.9 | 33.90 | 68.20 | |
| 31556.3900 | 35.1 | 155.0 | V | 241.0 | 0.2 | 18.90 | 54.00 | |
| 32758.4100 | 34.4 | 298.0 | V | 312.0 | -0.3 | 33.80 | 68.20 | |
| 35585.6700 | 34.9 | 184.0 | V | 157.0 | -2.0 | 33.30 | 68.20 | |
| 36859.6400 | 34.6 | 253.0 | V | 0.0 | -0.8 | 33.60 | 68.20 | |

## Final Result 1 - 5210MHz 80MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26161.3400 | 48.1 | 273.0 | V | 20.0 | 0.0 | 20.10 | 68.20 | |
| 28960.1900 | 47.6 | 196.0 | H | 47.0 | 0.9 | 20.60 | 68.20 | |
| 31791.8700 | 49.0 | 111.0 | V | 3.0 | 0.2 | 25.00 | 74.00 | |
| 32864.9700 | 49.5 | 197.0 | H | 228.0 | -0.3 | 18.70 | 68.20 | |
| 35573.0400 | 49.5 | 298.0 | V | 338.0 | -2.0 | 18.70 | 68.20 | |
| 36690.6300 | 48.4 | 242.0 | V | 100.0 | -0.8 | 19.80 | 68.20 | |

## Final Result 2 - 5210MHz 80MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26161.3400 | 33.1 | 273.0 | V | 20.0 | 0.0 | 35.10 | 68.20 | |
| 28960.1900 | 33.4 | 196.0 | H | 47.0 | 0.9 | 34.80 | 68.20 | |
| 31791.8700 | 36.2 | 111.0 | V | 3.0 | 0.2 | 17.80 | 54.00 | |
| 32864.9700 | 34.6 | 197.0 | H | 228.0 | -0.3 | 33.60 | 68.20 | |
| 35573.0400 | 34.7 | 298.0 | V | 338.0 | -2.0 | 33.50 | 68.20 | |
| 36690.6300 | 36.9 | 242.0 | V | 100.0 | -0.8 | 31.30 | 68.20 | |

## Final Result 1 - 5745MHz 20MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26091.8600 | 48.2 | 129.0 | H | 48.0 | 0.0 | 20.00 | 68.20 | |
| 28790.0300 | 47.5 | 210.0 | V | 80.0 | 0.9 | 20.70 | 68.20 | |
| 31503.1600 | 49.8 | 104.0 | H | 291.0 | 0.2 | 24.20 | 74.00 | |
| 32910.3400 | 48.3 | 180.0 | H | 125.0 | -0.3 | 19.90 | 68.20 | |
| 35570.3800 | 48.6 | 237.0 | H | 48.0 | -2.0 | 19.60 | 68.20 | |
| 37038.5200 | 50.0 | 240.0 | V | 21.0 | -0.8 | 18.20 | 68.20 | |

## Final Result 2 - 5745MHz 20MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26091.8600 | 34.1 | 129.0 | H | 48.0 | 0.0 | 34.10 | 68.20 | |
| 28790.0300 | 34.9 | 210.0 | V | 80.0 | 0.9 | 33.30 | 68.20 | |
| 31503.1600 | 35.1 | 104.0 | H | 291.0 | 0.2 | 18.90 | 54.00 | |
| 32910.3400 | 36.3 | 180.0 | H | 125.0 | -0.3 | 31.90 | 68.20 | |
| 35570.3800 | 35.9 | 237.0 | H | 48.0 | -2.0 | 32.30 | 68.20 | |
| 37038.5200 | 37.4 | 240.0 | V | 21.0 | -0.8 | 30.80 | 68.20 | |

## Final Result 1 - 5785MHz 20MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26259.0200 | 47.1 | 108.0 | V | 13.0 | 0.0 | 21.10 | 68.20 | |
| 28643.2600 | 47.7 | 184.0 | H | 139.0 | 0.9 | 20.50 | 68.20 | |
| 31597.2300 | 48.6 | 243.0 | H | 277.0 | 0.2 | 25.40 | 74.00 | |
| 33414.4900 | 48.3 | 295.0 | H | 129.0 | -0.3 | 19.90 | 68.20 | |
| 35484.3600 | 48.4 | 245.0 | H | 26.0 | -2.0 | 19.80 | 68.20 | |
| 36944.8600 | 48.1 | 165.0 | V | 310.0 | -0.8 | 20.10 | 68.20 | |

## Final Result 2 - 5785MHz 20MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26259.0200 | 34.0 | 108.0 | V | 13.0 | 0.0 | 34.20 | 68.20 | |
| 28643.2600 | 33.7 | 184.0 | H | 139.0 | 0.9 | 34.50 | 68.20 | |
| 31597.2300 | 36.4 | 243.0 | H | 277.0 | 0.2 | 17.60 | 54.00 | |
| 33414.4900 | 35.7 | 295.0 | H | 129.0 | -0.3 | 32.50 | 68.20 | |
| 35484.3600 | 34.5 | 245.0 | H | 26.0 | -2.0 | 33.70 | 68.20 | |
| 36944.8600 | 36.0 | 165.0 | V | 310.0 | -0.8 | 32.20 | 68.20 | |

## Final Result 1 - 5825MHz 20MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26098.4700 | 46.2 | 100.0 | V | 175.0 | 0.0 | 22.00 | 68.20 | |
| 28709.2200 | 46.5 | 240.0 | H | 253.0 | 0.9 | 21.70 | 68.20 | |
| 31467.3300 | 48.6 | 188.0 | H | 33.0 | 0.2 | 25.40 | 74.00 | |
| 33242.0600 | 48.3 | 130.0 | H | 87.0 | -0.3 | 19.90 | 68.20 | |
| 35492.0300 | 50.2 | 279.0 | H | 182.0 | -2.0 | 18.00 | 68.20 | |
| 36808.5200 | 50.6 | 158.0 | H | 237.0 | -0.8 | 17.60 | 68.20 | |

## Final Result 2 - 5825MHz 20MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26098.4700 | 34.1 | 100.0 | V | 175.0 | 0.0 | 34.10 | 68.20 | |
| 28709.2200 | 33.0 | 240.0 | H | 253.0 | 0.9 | 35.20 | 68.20 | |
| 31467.3300 | 34.7 | 188.0 | H | 33.0 | 0.2 | 19.30 | 54.00 | |
| 33242.0600 | 35.7 | 130.0 | H | 87.0 | -0.3 | 32.50 | 68.20 | |
| 35492.0300 | 34.6 | 279.0 | H | 182.0 | -2.0 | 33.60 | 68.20 | |
| 36808.5200 | 37.1 | 158.0 | H | 237.0 | -0.8 | 31.10 | 68.20 | |

## Final Result 1 – 5755MHz 40MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26102.6800 | 46.7 | 104.0 | H | 12.0 | 0.0 | 21.50 | 68.20 | |
| 28777.1100 | 46.5 | 224.0 | H | 237.0 | 0.9 | 21.70 | 68.20 | |
| 31787.0700 | 49.5 | 128.0 | V | 18.0 | 0.2 | 24.50 | 74.00 | |
| 33228.9700 | 47.9 | 151.0 | V | 281.0 | -0.3 | 20.30 | 68.20 | |
| 35634.9400 | 48.1 | 134.0 | V | 220.0 | -2.0 | 20.10 | 68.20 | |
| 37061.5100 | 49.8 | 239.0 | V | 336.0 | -0.8 | 18.40 | 68.20 | |

## Final Result 2 - 5755MHz 40MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26102.6800 | 34.6 | 104.0 | H | 12.0 | 0.0 | 33.60 | 68.20 | |
| 28777.1100 | 34.5 | 224.0 | H | 237.0 | 0.9 | 33.70 | 68.20 | |
| 31787.0700 | 35.2 | 128.0 | V | 18.0 | 0.2 | 18.80 | 54.00 | |
| 33228.9700 | 33.9 | 151.0 | V | 281.0 | -0.3 | 34.30 | 68.20 | |
| 35634.9400 | 34.3 | 134.0 | V | 220.0 | -2.0 | 33.90 | 68.20 | |
| 37061.5100 | 36.2 | 239.0 | V | 336.0 | -0.8 | 32.00 | 68.20 | |

## Final Result 1 - 5795MHz 40MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26805.0200 | 46.7 | 220.0 | H | 17.0 | 0.0 | 21.50 | 68.20 | |
| 28762.1800 | 47.6 | 243.0 | H | 272.0 | 0.9 | 20.60 | 68.20 | |
| 31382.7800 | 48.3 | 261.0 | V | 236.0 | 0.2 | 25.70 | 74.00 | |
| 33125.5100 | 47.8 | 259.0 | H | 247.0 | -0.3 | 20.40 | 68.20 | |
| 35632.1000 | 49.0 | 189.0 | H | 294.0 | -2.0 | 19.20 | 68.20 | |
| 36898.8100 | 50.7 | 158.0 | H | 183.0 | -0.8 | 17.50 | 68.20 | |

## Final Result 2 - 5795MHz 40MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26805.0200 | 35.4 | 220.0 | H | 17.0 | 0.0 | 32.80 | 68.20 | |
| 28762.1800 | 33.2 | 243.0 | H | 272.0 | 0.9 | 35.00 | 68.20 | |
| 31382.7800 | 35.2 | 261.0 | V | 236.0 | 0.2 | 18.80 | 54.00 | |
| 33125.5100 | 36.1 | 259.0 | H | 247.0 | -0.3 | 32.10 | 68.20 | |
| 35632.1000 | 36.3 | 189.0 | H | 294.0 | -2.0 | 31.90 | 68.20 | |
| 36898.8100 | 36.6 | 158.0 | H | 183.0 | -0.8 | 31.60 | 68.20 | |

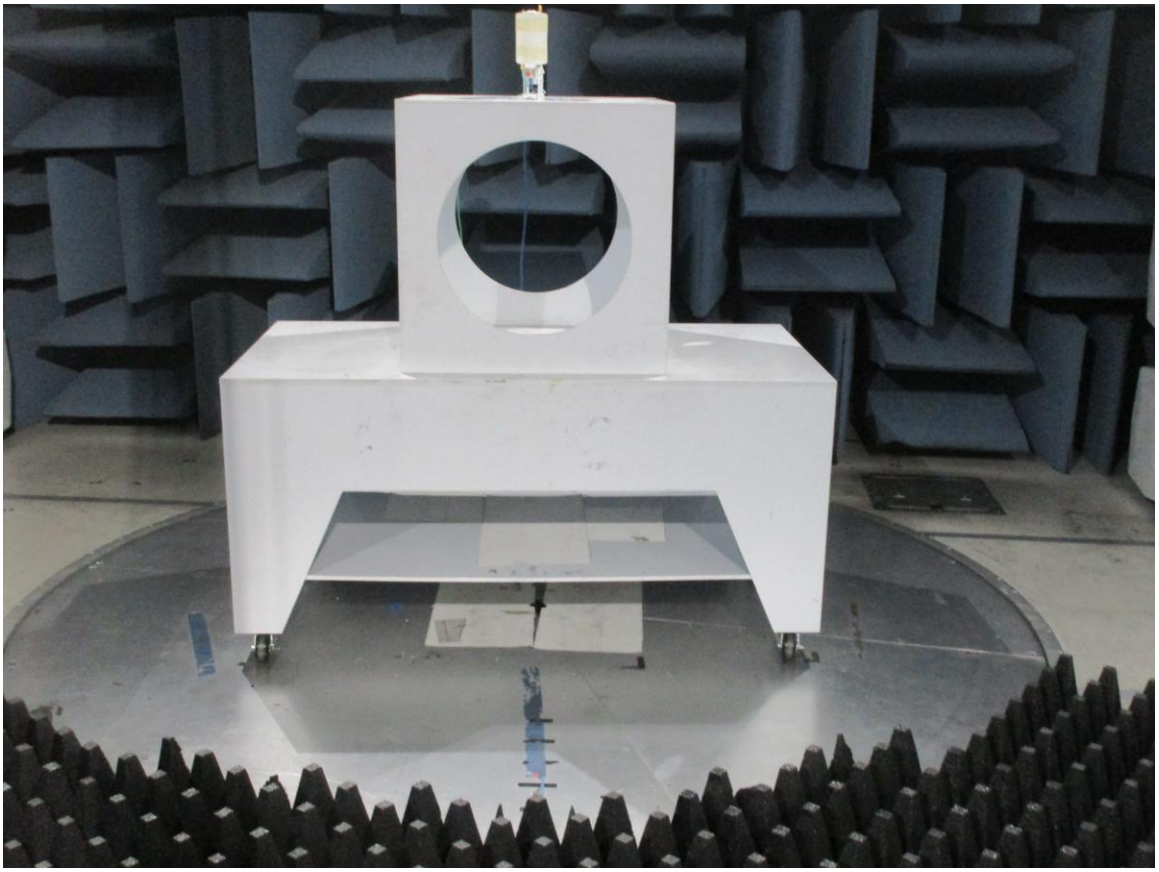
## Final Result 1 - 5775MHz 80MHz Horn

| Frequency (MHz) | MaxPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26012.4100 | 48.0 | 120.0 | H | 69.0 | 0.0 | 20.20 | 68.20 | |
| 28781.3000 | 47.7 | 232.0 | V | 163.0 | 0.9 | 20.50 | 68.20 | |
| 31744.0700 | 47.4 | 271.0 | V | 354.0 | 0.2 | 26.60 | 74.00 | |
| 32747.5400 | 48.1 | 272.0 | V | 3.0 | -0.3 | 20.10 | 68.20 | |
| 35674.1000 | 48.4 | 125.0 | H | 173.0 | -2.0 | 19.80 | 68.20 | |
| 36848.4000 | 49.7 | 125.0 | V | 49.0 | -0.8 | 18.50 | 68.20 | |

## Final Result 2 - 5775MHz 80MHz Horn

| Frequency (MHz) | QuasiPeak (dBµV/m) | Height (cm) | Polarization | Azimuth (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|---|---|---|---|---|---|---|---|---|
| 26012.4100 | 32.8 | 120.0 | H | 69.0 | 0.0 | 35.40 | 68.20 | |
| 28781.3000 | 34.8 | 232.0 | V | 163.0 | 0.9 | 33.40 | 68.20 | |
| 31744.0700 | 34.1 | 271.0 | V | 354.0 | 0.2 | 19.90 | 54.00 | |
| 32747.5400 | 34.2 | 272.0 | V | 3.0 | -0.3 | 34.00 | 68.20 | |
| 35674.1000 | 35.5 | 125.0 | H | 173.0 | -2.0 | 32.70 | 68.20 | |
| 36848.4000 | 36.6 | 125.0 | V | 49.0 | -0.8 | 31.60 | 68.20 | |

EMT ELECTRO MAGNETIC TEST, INC.
1547 Plymouth Street, Mountain View, CA 94043 Tel: (650) 965-4000 Fax: (650) 965-3000



**FRONT VIEW**

Airspan Networks
Access Point
Model: A5x
**CISPR 22/FCC Class B** – Radiated Emissions (>1GHz)

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

EMT ELECTRO MAGNETIC TEST, INC.
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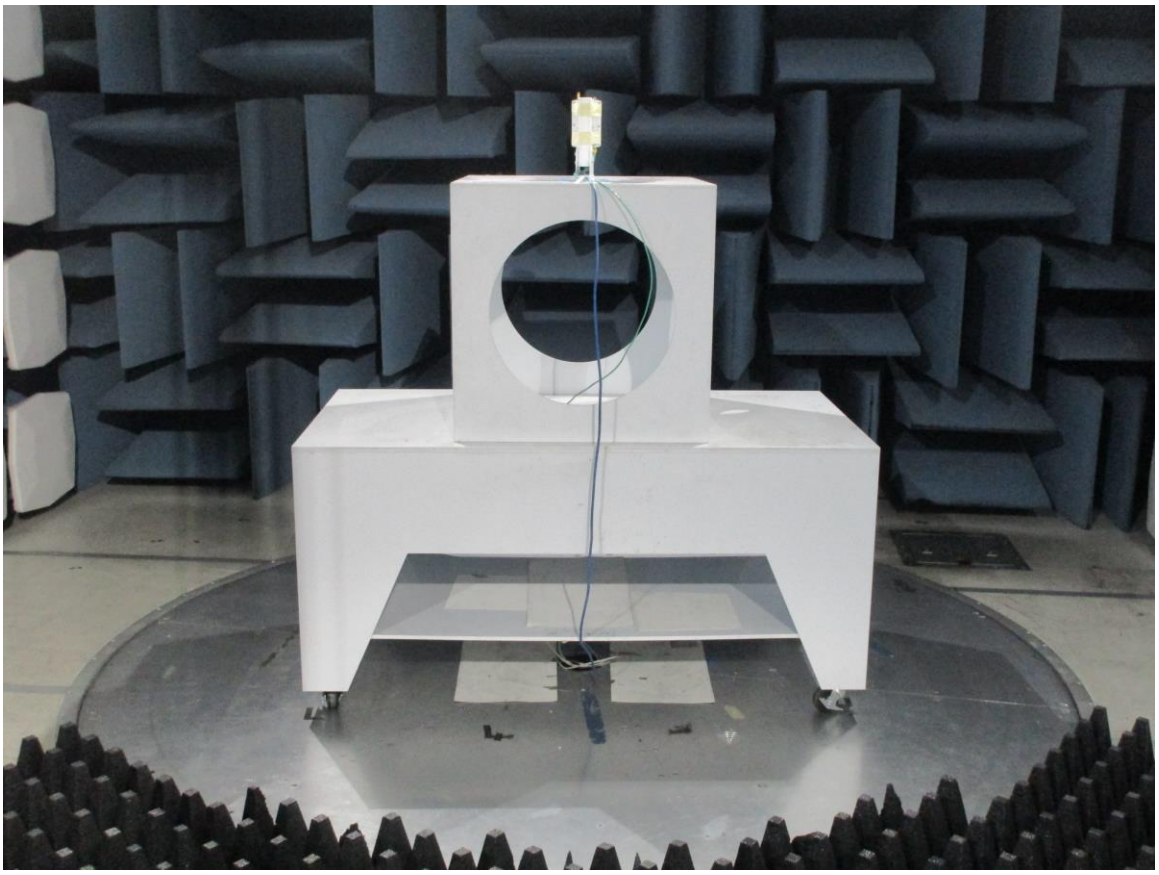

**REAR VIEW**

Airspan Networks
Access Point
Model: A5x
**CISPR 22/FCC Class B** – Radiated Emissions (>1GHz)

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS