


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
(650) 965-4000

Date: November 19, 2019

	REPORT BODY	APPENDICES				TOTAL
		A	B	C	D	
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REVISION HISTORY

VERSION	DATE	COMMENTS	MODIFIED BY
1.0	November 19, 2019	Original Document	AD
2.0	December 30, 2019	Updated following comments from ACB Reviewer.	AD
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3.1.2	February 18, 2020	Removed non-approved frequencies.	AD


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LIST OF APPENDICES

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A	Radiated and Conducted Data Sheets • Radiated Emissions Test Data (General Requirements, and Restricted Bands) • Conducted Emissions Test Data • Emissions in Non-Restricted Frequency Bands Test Data • Occupied Bandwidth Test Data • Maximum Peak Output Power Test Data • Maximum Peak Power Spectral Density Test Data
B	Test Setup Diagrams
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1	Conducted Emissions Test Setup
2	Plot Map And Layout of Test Site
3	Layout of 5 Meter Semi-Anechoic Chamber


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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) (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) (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] 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	MANUFACTURER	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	MANUFACTURER	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)
	$\mu\text{V/m}$	$\text{dB}\mu\text{V/m}$	
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 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 ± 5.1 dB 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 ± 3.4 dB 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 $\geq$ 500 kHz

7.3.2 Test Procedure

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

RBW: 100 kHz

VBW: $\geq 3 \times$ 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 $\pm 2.5\%$ measurement uncertainty.

7.3.3 Test Result

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


ELECTRO MAGNETIC TEST, INC.

1547 Plymouth Street, Mountain View, CA 94043 Tel: (650) 965-4000 Fax: (650) 965-3000

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) $\leq$ 1 Watt or 30 dBm
5.25-5.35GHz: Peak Output Power (Digital Modulation) $\leq$ 250 milliwatt or 23 dBm
5.47-5.725GHz: Peak Output Power (Digital Modulation) $\leq$ 250 milliwatt or 23 dBm
5.725-5.85 GHz: Peak Output Power (Digital Modulation) $\leq$ 1Watt or 30 dBm

7.4.2 Test Procedure

RBW > DTS Bandwidth

VBW $\geq$ 3 x RBW

Span $\geq$ 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 ± 5.1 dB measurement uncertainty.

7.4.3 Test Result

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

**ELECTRO MAGNETIC TEST, INC.**

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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 $\geq 3 \times$ RBW

Span $\geq 1.5 \times$ 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 ± 5.1 dB measurement uncertainty.

7.5.3 Test Result

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

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

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.

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

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 met on the EUT.

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

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.

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

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.



ELECTRO MAGNETIC TEST, INC.

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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.



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

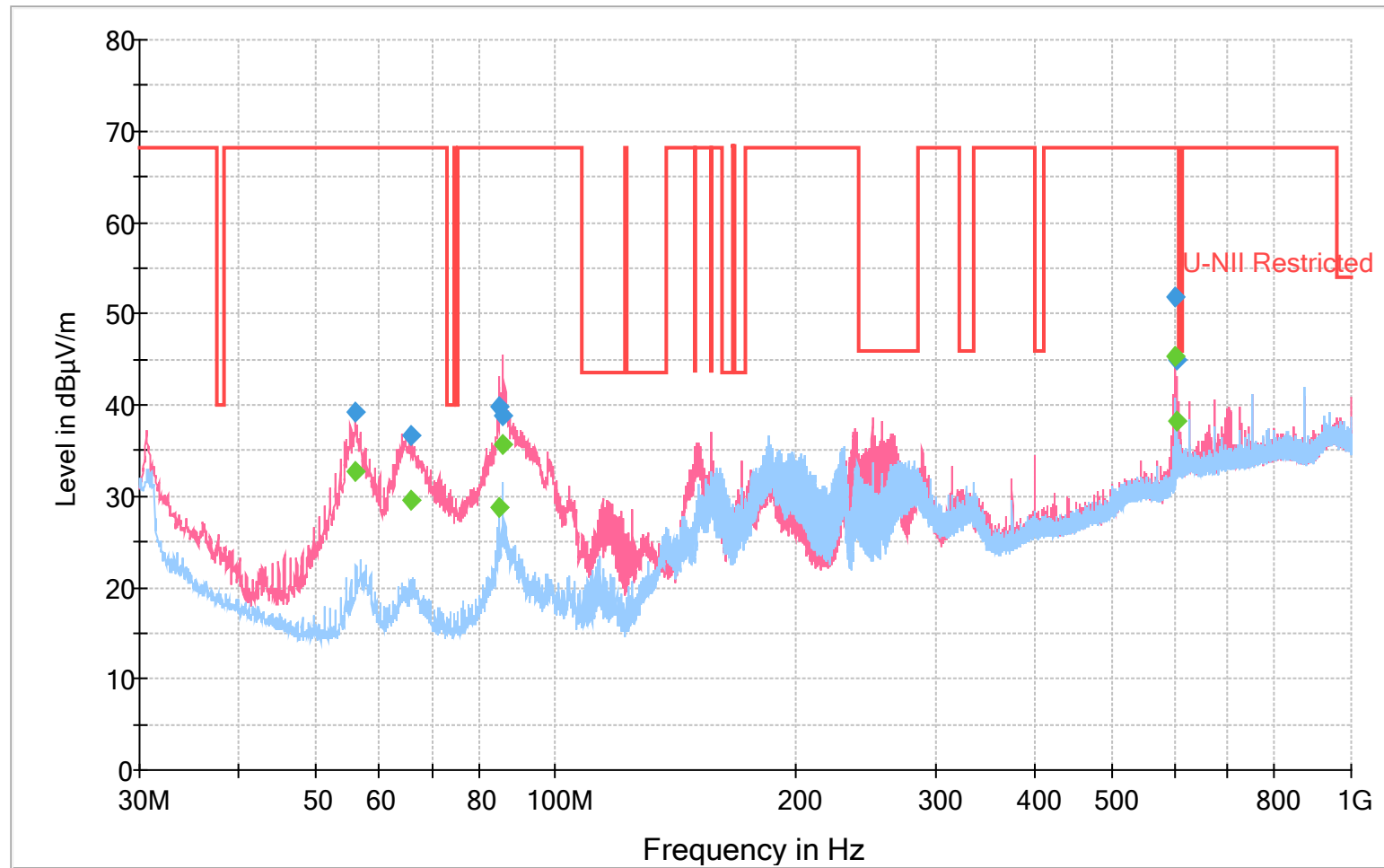
Common Information

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	



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

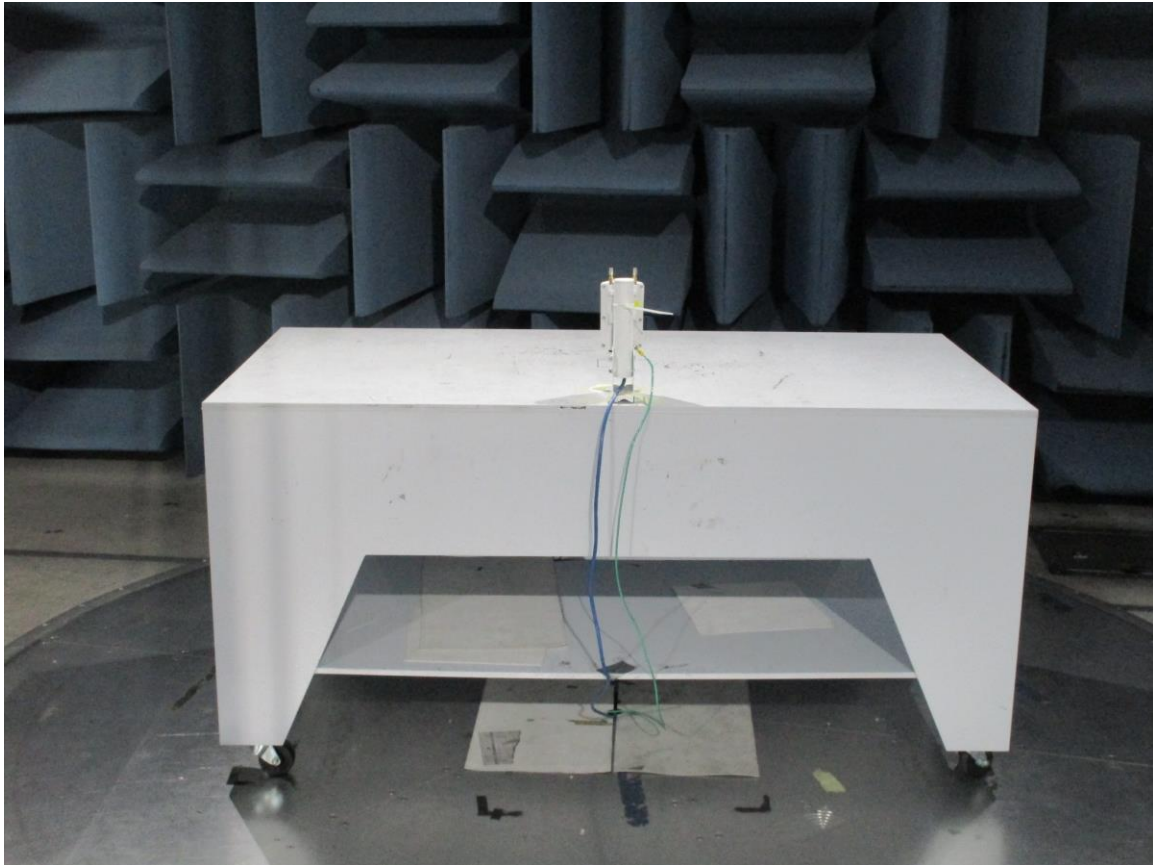
CISPR 22/FCC Class B – Radiated Emissions

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**



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**

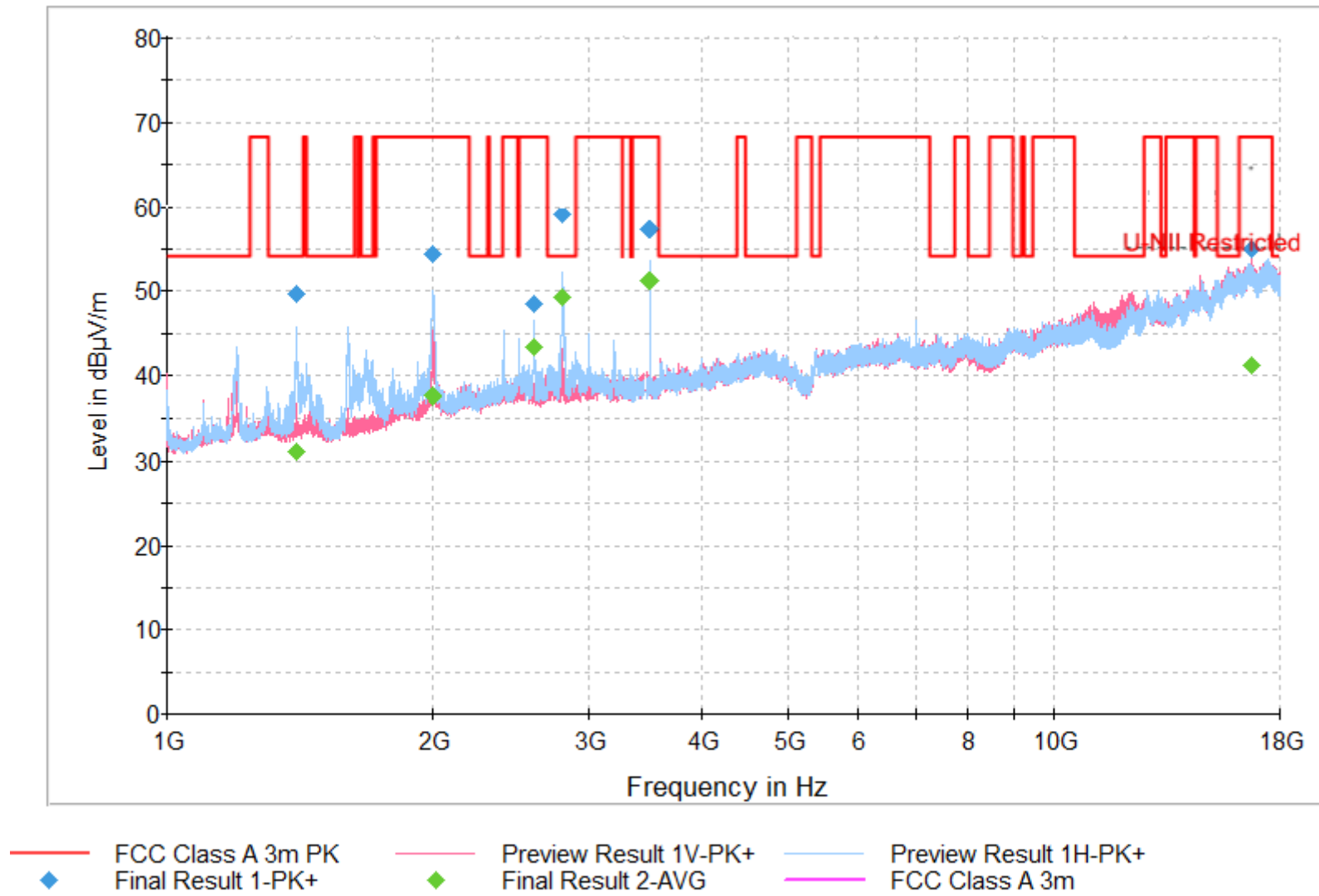
Common Information

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

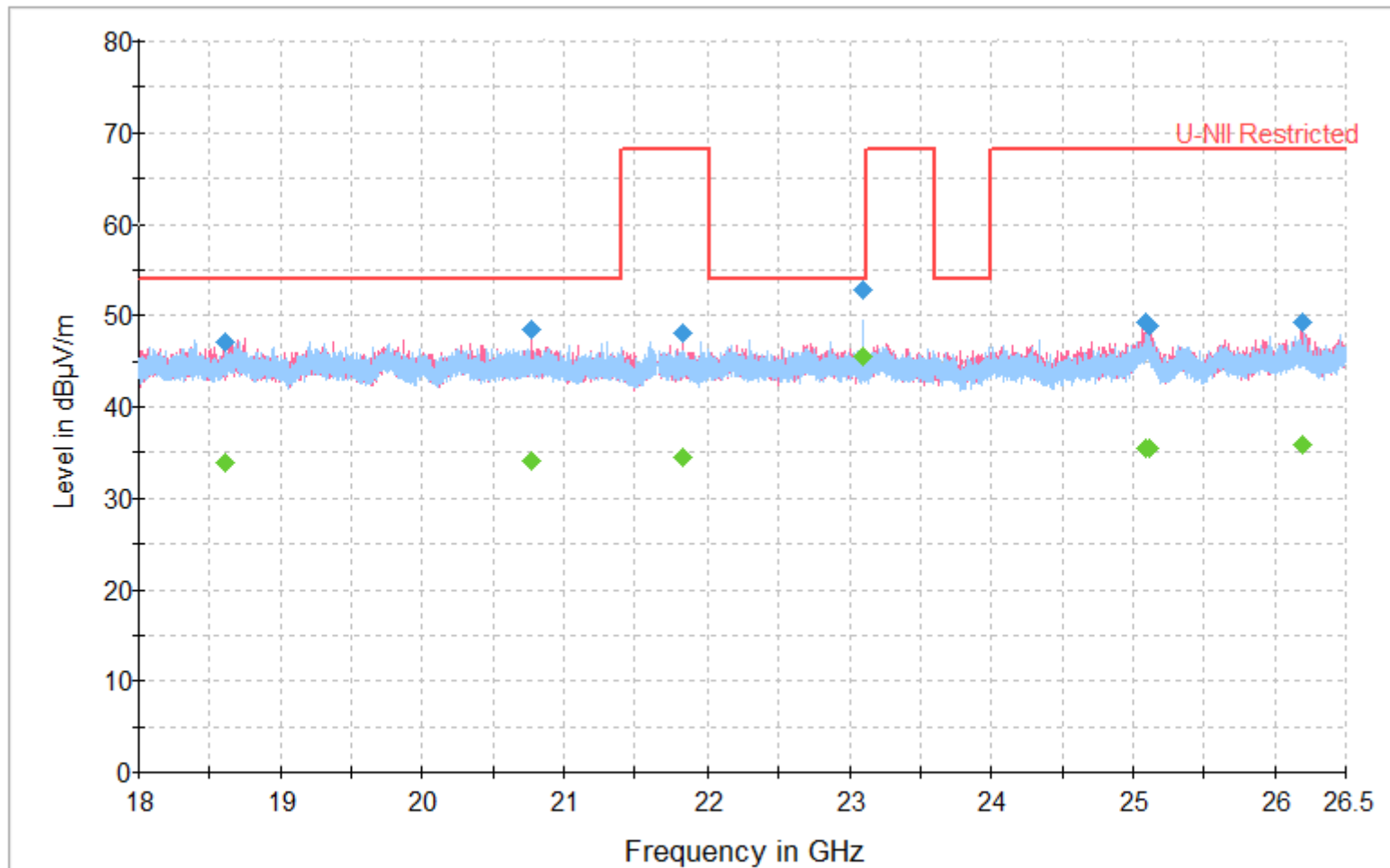
Common Information

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	— FCC Class A 3m PK	— Preview Result 1V-PK+
— Preview Result 1H-PK+	◆ Final Result 1-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 (dB μ V/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dB μ V/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 (dB μ V/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dB μ V/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

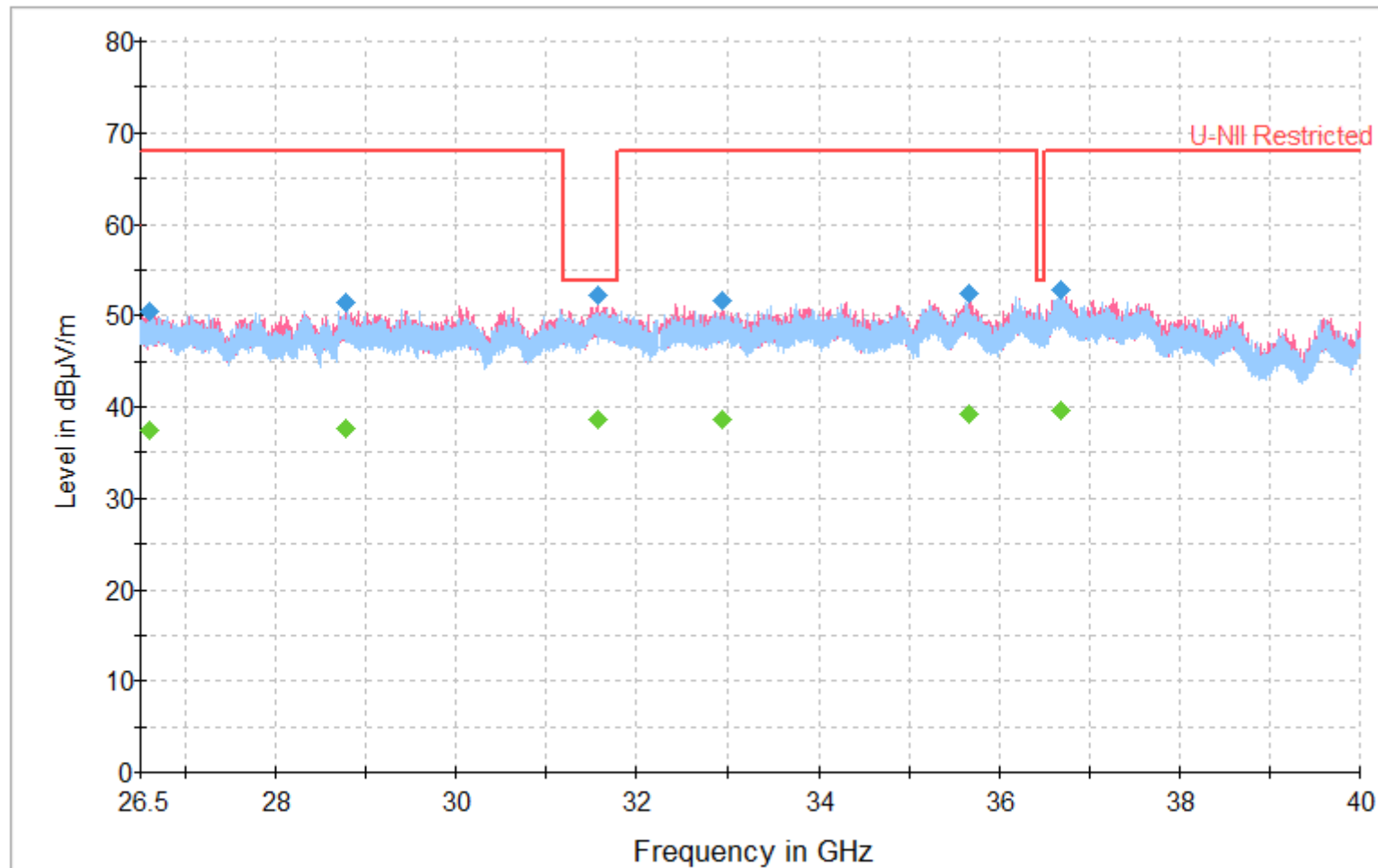
Tested At:**Electro Magnetic Test, Inc.****1547 Plymouth Street****Mountain View, CA 94043****Tel. 650-965-4000****Fax. 650-965-3000****Common Information**

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



— FCC Class A 3m — FCC Class A 3m PK — Preview Result 1V-PK+
— Preview Result 1H-PK+ ◆ Final Result 1-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
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	

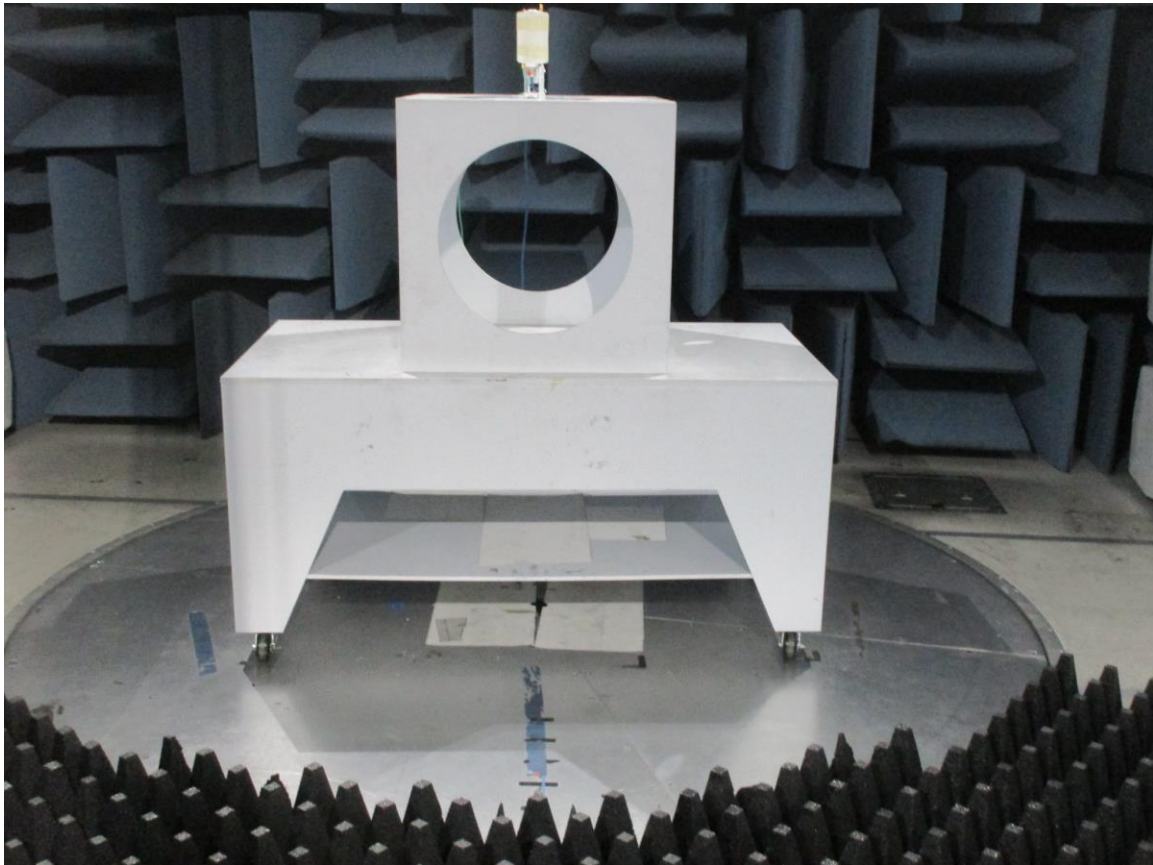
Final Result 2 - 5775MHz 80MHz Horn

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	



ELECTRO MAGNETIC TEST, INC.

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FRONT VIEW

Airspan Networks

Access Point

Model: A5x

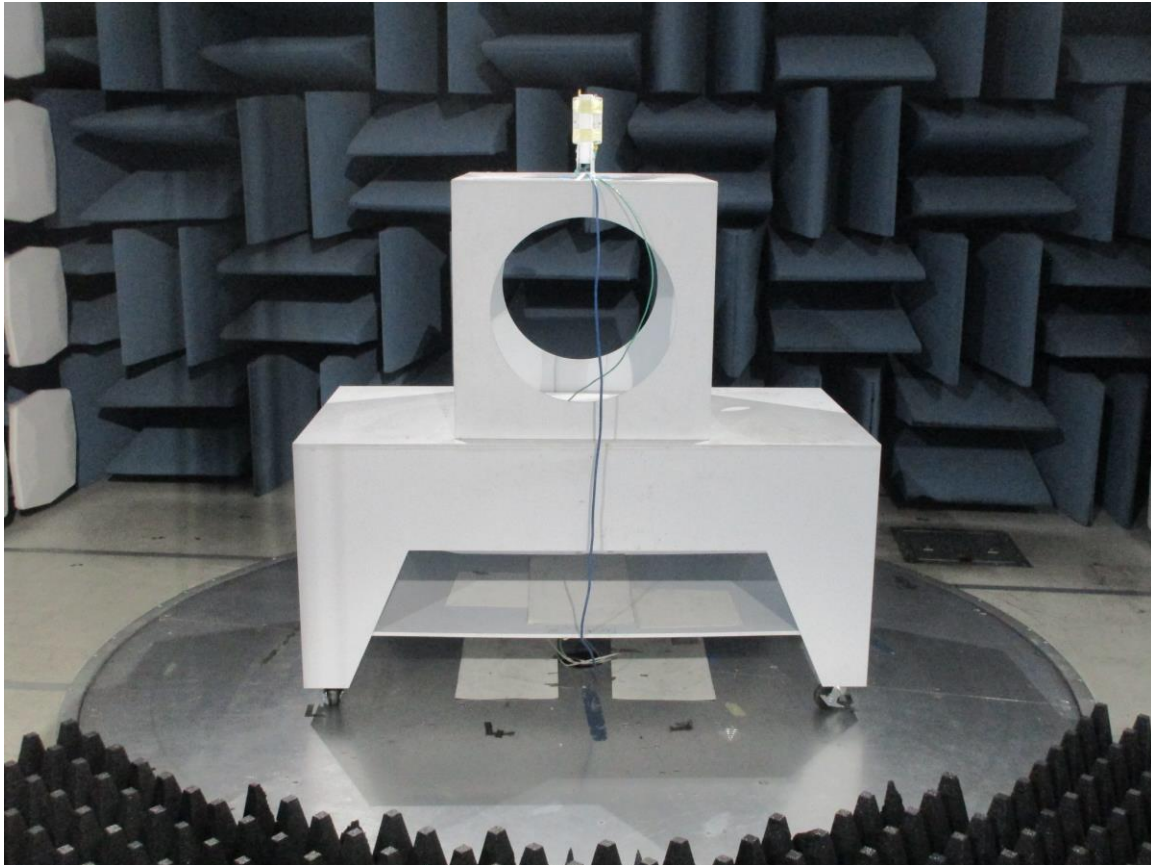
CISPR 22/FCC Class B – Radiated Emissions (>1GHz)

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**



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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**