


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
ADDENDUM*

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: December 20, 2019

	REPORT BODY	APPENDICES				TOTAL
		A	B	C	D	
PAGES	32	103	4	2	3	144

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REVISION HISTORY

VERSION	DATE	COMMENTS	MODIFIED BY
1.0	December 20, 2019	Original Document	AD
1.1	December 30, 2019	Updated test results following new data.	AD
1.2	January 1, 2020	Updated per client review.	AD
1.3	March 13, 2020	Updated following TCB reviewer.	AD



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TABLE OF CONTENTS

SECTION	TITLE	PAGE
REVISION HISTORY		2
GENERAL REPORT SUMMARY		5
SUMMARY OF TEST RESULTS		6
TECHNICAL DESCRIPTION OF THE EUT		7
1. PURPOSE.....		8
2. ADMINISTRATIVE DATA		9
2.1 Location of Testing		9
2.2 Traceability Statement.....		9
2.3 Cognizant Personnel		9
2.4 Date Test Sample was Received.....		9
2.5 Disposition of the Test Sample		9
2.6 Abbreviations and Acronyms		9
3. APPLICABLE DOCUMENTS		10
4. DESCRIPTION OF TEST CONFIGURATION		11
4.1 Description of Test Configuration - EMI.....		11
4.1.1 Cable Construction and Termination		12
5. LISTS OF EUT, ACCESSORIES AND TEST EQUIPMENT		13
5.1 EUT and Accessory List		13
5.2 EMI Test Equipment		14
6. TEST SITE DESCRIPTION		16
6.1 Test Facility Description		16
6.2 EUT Mounting, Bonding and Grounding		16
6.3 Facility Environmental Characteristics		16
7. TEST PROCEDURES.....		17
7.1 Emissions in Restricted and Non-Restricted Bands		17
7.2 Conducted Emissions Test – Mains Ports		21
7.2.1 Limit (FCC PART 15 Section 15.207(a), IC RSS-GEN Issue 4 [8.8])		21
7.3 Occupied Bandwidth.....		22
7.3.1 Limits		22
7.3.2 Test Procedure		22
7.3.3 Test Result		22
7.4 Maximum Peak Output Power		23
7.4.1 Limits		23
7.4.2 Test Procedure		23
7.4.3 Test Result		23
7.5 Maximum Peak Power Spectral Density		25
7.5.1 Limits		25
7.5.2 Test Procedure		25
7.5.3 Test Result		25
7.6 Antenna Requirement		26
7.6.1 Requirement (FCC PART 15 SECTION 15.203)		26
7.6.2 Test Result		26
7.7 Security Requirements		27
7.7.1 Transmission Detection.....		27
7.7.2 Transmit Power Control (TPC) and Dynamic Frequency Selection (DFS).....		28
7.7.3 Device Security		33
8. CONCLUSIONS / COMPLIANCE STATEMENT		34

**ELECTRO MAGNETIC TEST, INC.**

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

LIST OF APPENDICES

APPENDIX	TITLE
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
C	Modifications To The EUT
D	Additional Models Covered Under This Report

LIST OF FIGURES

FIGURE	TITLE
1	Conducted Emissions Test Setup
2	Plot Map And Layout of Test Site
3	Layout of 5 Meter Semi-Anechoic Chamber
4	Radiated Setup where UUT is a Master and Radar Test Waveforms are injected into the Master



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

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.


ELECTRO MAGNETIC TEST, INC.

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

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): November 7, 17, 18, December 9, 10, 2019

Test Specifications: EMI requirements
 Limits: CISPR 22: 1997 plus A1:2000 & A2:2002 Class A
 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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1547 Plymouth Street, Mountain View, CA 94043 Tel: (650) 965-4000 Fax: (650) 965-3000

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:	A5x					
Operation frequency:	5260MHz to 5320MHz, 5500MHz to 5700MHz					
Channel Number:	6					
Modulation Technology:	OFDM					
Antenna Type:	Dipole Antenna / Horn Antenna					
Antenna Gain:	4.56 - 5.19 dBi / 14.3dBi					
Maximum Output Power:	23.89dBm					
Description of Channel:						
U-NII-2A						
Bandwidth (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
20	52	5260	56	5280	60	5300
	64	5320				
40	54	5270	62	5310		
80	58	5290				
U-NII-2C						
Bandwidth (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
20	100	5500	104	5520	108	5540
	112	5560	116	5580	120	5600
	124	5620	128	5640	132	5660
	136	5680	140	5700		
40	102	5510	110	5550	118	5590
	126	5630	134	5670		
80	106	5530	122	5610		

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

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
905462 D02 UNII DFS Compliance Procedures New Rules v02	Compliance measurement procedures for unlicensed-national information infrastructure devices operating in the 5250-5350 MHz and 5470-5725 MHz bands incorporating dynamic frequency selection

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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 emissions.

The EUT has two types of antenna configurations, one uses two dipole antenna and the other is with a horn antenna. It was found that the dipole antenna configuration had the highest radiated intentional 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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1547 Plymouth Street, Mountain View, CA 94043 Tel: (650) 965-4000 Fax: (650) 965-3000

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 / February 15, 2020	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 / February 15, 2020	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/ December 15, 2019	1 Year
LISN	Solar Electronics	Type 21107-50-TS-50-N	21107150701	January 2, 2019/ December 18, 2019	1 Year
LISN	Solar Electronics	Type 21107-50-TS-50-N	21107150702	January 2, 2019 / April 15, 2019	1 Year
LISN	Solar Electronics	Type 21107-50-TS-50-N	21107150703	January 2, 2019 / April 15, 2019	1 Year
LISN	Solar Electronics	Type 21107-50-TS-50-N	21107150704	January 2, 2019 / April 15, 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 / February 15, 2020	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"
X	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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1547 Plymouth Street, Mountain View, CA 94043 Tel: (650) 965-4000 Fax: (650) 965-3000

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.



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7.4 Maximum Peak Output Power

7.4.1 Limits

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

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

FCC PART 15 Section 15.407(a)(2)

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

FCC PART 15 Section 15.407(a)(3)

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

Limit
5.15-5.25 GHz: Peak Output Power (Digital Modulation) $\leq$ 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



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

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7.5 Maximum Peak Power Spectral Density**7.5.1 Limits****FCC PART 15 Section 15.407(a)(1)(iii)**

For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.

FCC PART 15 Section 15.407(a)(2)

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

FCC PART 15 Section 15.407(a)(3)

For the band 5.725-5.85 GHz the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

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

7.5.2 Test Procedure

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

RBW = 100KHz

VBW $\geq 3 \times$ 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.

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7.6 Antenna Requirement

7.6.1 Requirement (FCC PART 15 SECTION 15.203)

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

7.6.2 Test Result

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

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7.7 Security Requirements**7.7.1 Transmission Detection****7.7.1.1 Limits 15.407(c)**

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

7.7.1.2 Test Result

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


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

7.7.2.1 Working modes and required test items.

The manufacturer shall state whether the UUT is capable of operating as a Master and/or a Client. If the UUT is capable of operating in more than one operating mode then each operating mode shall be tested separately. See tables below for the applicability of DFS requirements for each of the operational modes.

Table 1: Applicability of DFS requirements prior to use a channel

Requirement	Operational Mode		
	Master	Client without radar detection	Client with radar detection
<i>Non-Occupancy Period</i>	Required	Not Required	Required
<i>DFS Detection Threshold</i>	Required	Not Required	Required
<i>Channel Availability Check Time</i>	Required	Not Required	Not Required
<i>U-NII Detection Bandwidth</i>	Required	Not Required	Required

Table 2: Applicability of DFS requirements during normal operation.

Requirement	Operational Mode		
	Master	Client without radar detection	Client with radar detection
<i>Non-Occupancy Period</i>	Required	Not Required	Required
<i>DFS Detection Threshold</i>	Required	Required	Required
<i>Channel Availability Check Time</i>	Required	Required	Required
<i>U-NII Detection Bandwidth</i>	Required	Not Required	Required

Additional requirements for devices with multiple bandwidth modes	Master Device or Client with Radar Detection	Client Without Radar Detection
<i>U-NII Detection Bandwidth and Statistical Performance Check</i>	All BW modes must be tested	Not required
<i>Channel Move Time and Channel Closing Transmission Time</i>	Test using widest BW mode available	Test using the widest BW mode available for the link
<i>All other tests</i>	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.		

7.7.2.2 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.



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(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.

Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

Table 4: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.
Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions. Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	


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7.7.2.3 Test Parameters

Table 5 – Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a	Roundup $\left\{ \left(\frac{1}{360} \right)^* \left(\frac{19 * 10^6}{PRI_{\mu sec}} \right) \right\}$	60%	30
		Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					


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Table 5a - Pulse Repetition Intervals Values for Test A

Pulse Repetition Frequency Number	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)
1	1930.5	518
2	1858.7	538
3	1792.1	558
4	1730.1	578
5	1672.2	598
6	1618.1	618
7	1567.4	638
8	1519.8	658
9	1474.9	678
10	1432.7	698
11	1392.8	718
12	1355	738
13	1319.3	758
14	1285.3	778
15	1253.1	798
16	1222.5	818
17	1193.3	838
18	1165.6	858
19	1139	878
20	1113.6	898
21	1089.3	918
22	1066.1	938
23	326.2	3066

Table 6 – Long Pulse Radar Test Waveform

Radar Type	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Number of Pulses per Burst	Number of Bursts	Minimum Percentage of Successful Detection	Minimum Number of Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

Table 7 – Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (μsec)	PRI (μsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30

7.7.2.5 Test Result



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

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7.7.3 Device Security**7.7.3.1 Limits 15.407(i)**

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

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

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

7.7.3.2 Test Result

The client has been informed of this requirement.



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8. CONCLUSIONS / COMPLIANCE STATEMENT

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



APPENDIX A

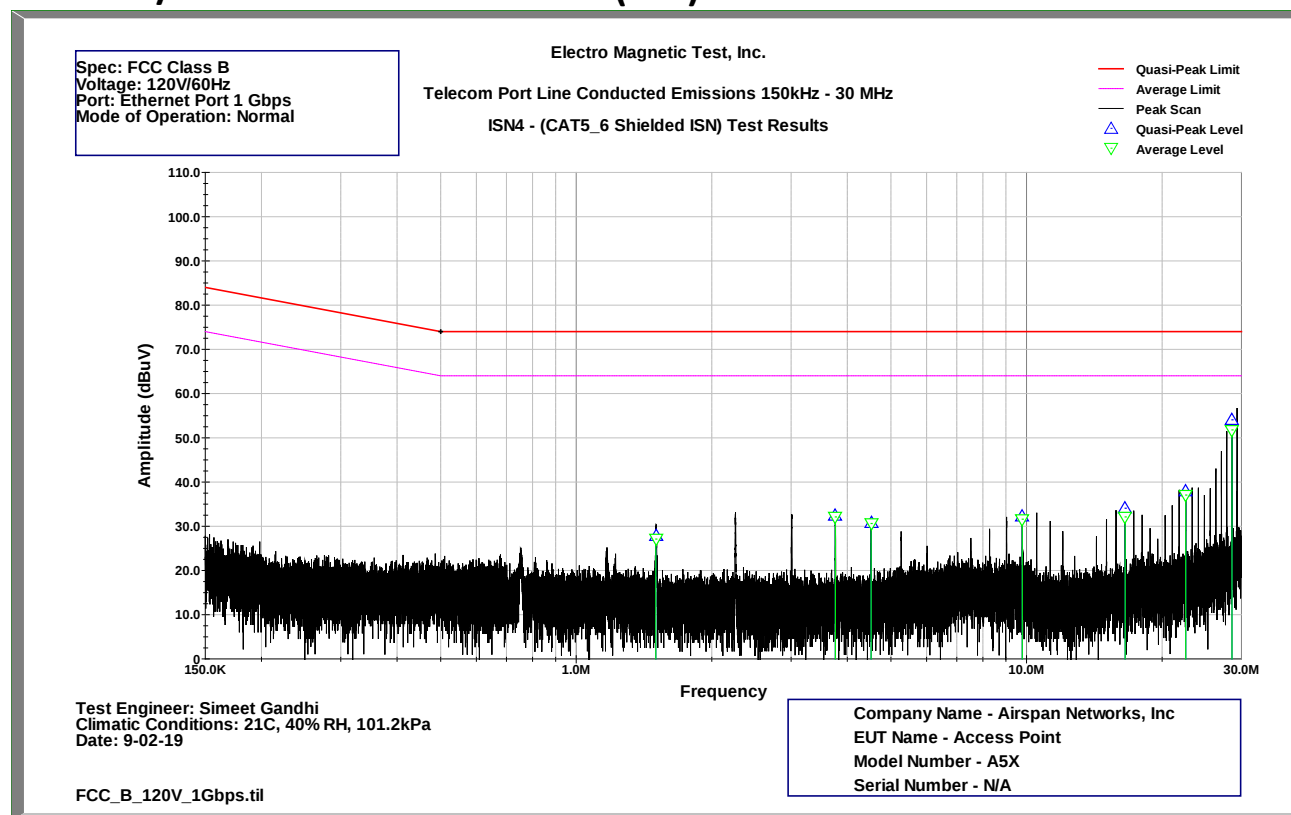
RADIATED AND CONDUCTED EMISSIONS DATA SHEETS



ELECTRO MAGNETIC TEST, INC.

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

CAT 5/6 Shielded Telecom Port (ISN) Conducted Emissions Test Data



CAT5 or CAT6 Shielded Telecom Port (ISN) Test Results

Frequency (MHz)	Peak (dBuV)	Quasi-Peak (dBuV)	Average (dBuV)	Corr. Factor (dB)	Quasi-Peak Limit	QP Margin	Average Limit	Average Margin
1.502	29.623	27.801	27.083	9.520	74.000	-46.199	64.000	-36.917
3.762	33.246	32.431	32.100	9.767	74.000	-41.569	64.000	-31.900
4.516	32.163	30.835	30.597	9.739	74.000	-43.165	64.000	-33.403
9.783	33.849	32.324	31.571	9.658	74.000	-41.676	64.000	-32.429
16.555	35.283	34.060	32.101	9.865	74.000	-39.940	64.000	-31.899
22.575	39.376	37.886	37.041	10.017	74.000	-36.114	64.000	-26.959
28.589	55.171	54.052	51.766	10.105	74.000	-19.948	64.000	-12.234

Radiated Emission Test Report

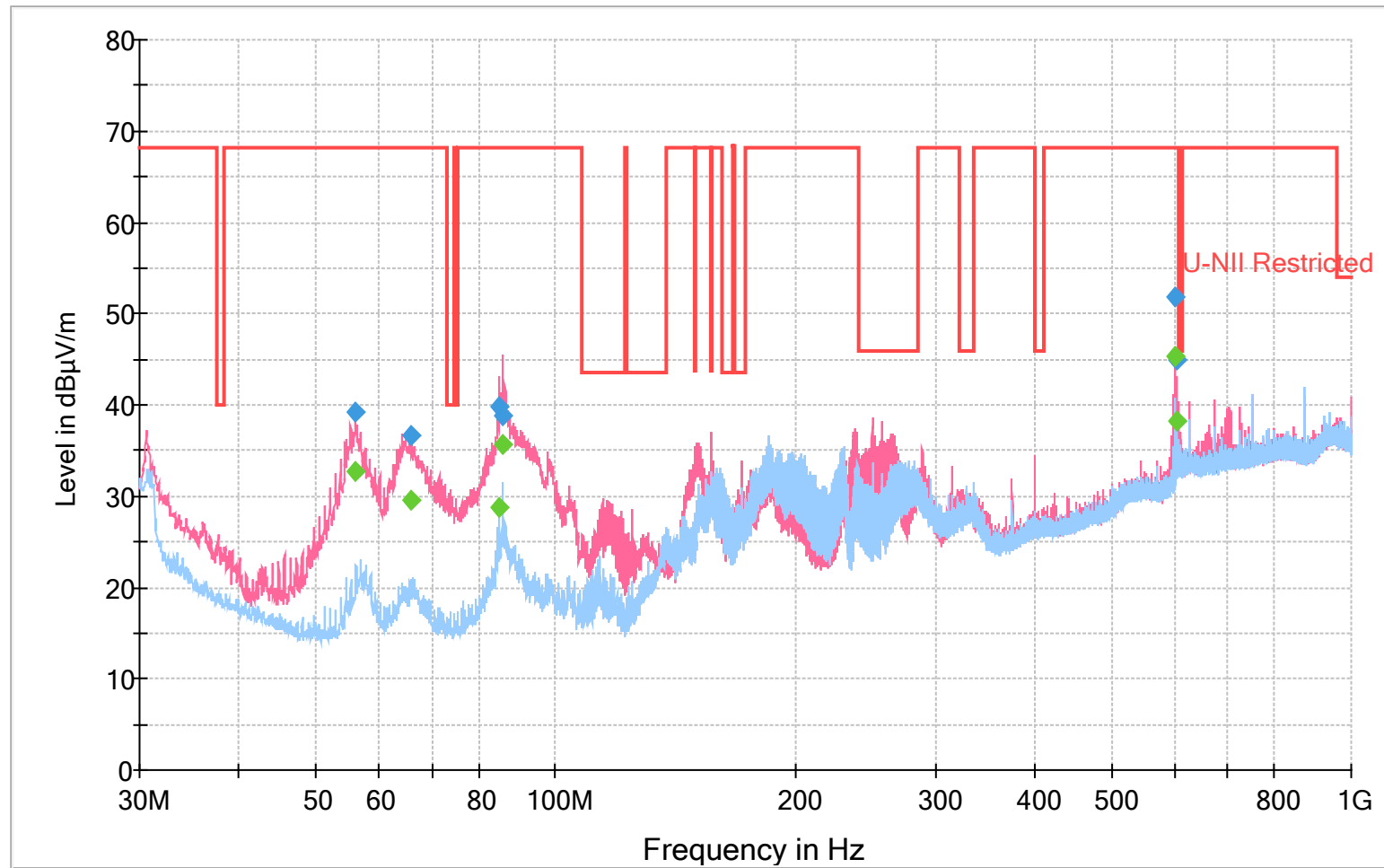
Tested At:**Electro Magnetic Test, Inc.****1547 Plymouth Street****Mountain View, CA 94043****Tel. 650-965-4000****Fax. 650-965-3000****Common Information**

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 - 5260MHz 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 - 5300MHz 20MHz Dipole

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
58.130000	30.3	261.0	H	259.0	12.0	37.93	68.20	
63.360000	25.3	144.0	H	80.0	12.1	42.86	68.20	
83.170000	25.7	270.0	H	200.0	12.1	14.35	40.00	
85.020000	31.4	109.0	H	288.0	12.1	36.77	68.20	
599.780000	40.4	217.0	H	217.0	27.4	27.83	68.20	
602.100000	34.6	292.0	V	335.0	27.6	33.65	68.20	

Final Result 2 - 5320MHz 20MHz Dipole

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
58.360000	30.1	137.0	H	274.0	12.0	38.13	68.20	
66.220000	26.8	139.0	H	360.0	12.1	41.41	68.20	
81.210000	26.4	120.0	H	138.0	12.1	41.82	68.20	
86.530000	31.0	259.0	H	209.0	12.1	37.24	68.20	
598.490000	42.7	180.0	H	307.0	27.4	25.45	68.20	
600.620000	35.0	154.0	V	152.0	27.6	33.19	68.20	

Final Result 2 - 5270MHz 40MHz Dipole

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
57.320000	27.7	262.0	H	106.0	12.0	40.47	68.20	
65.180000	27.6	175.0	H	340.0	12.1	40.62	68.20	
81.530000	24.4	291.0	H	92.0	12.1	43.78	68.20	
87.890000	31.9	250.0	H	338.0	12.1	36.30	68.20	
598.720000	41.6	221.0	H	255.0	27.4	26.61	68.20	
602.060000	35.8	187.0	V	342.0	27.6	32.45	68.20	

Final Result 2 - 5310MHz 40MHz Dipole

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
54.540000	30.6	101.0	H	99.0	12.0	37.63	68.20	
65.910000	25.2	154.0	H	151.0	12.1	42.99	68.20	
85.070000	26.7	283.0	H	206.0	12.1	41.55	68.20	
87.420000	31.5	251.0	H	317.0	12.1	36.69	68.20	
598.400000	41.5	285.0	H	352.0	27.4	26.66	68.20	
603.530000	33.5	160.0	V	110.0	27.6	34.69	68.20	

Final Result 2 - 5290MHz 80MHz Dipole

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
53.780000	30.2	147.0	H	343.0	12.0	38.00	68.20	
63.650000	27.2	199.0	H	285.0	12.1	40.96	68.20	
87.080000	25.3	205.0	H	158.0	12.1	42.87	68.20	
87.180000	31.9	297.0	H	299.0	12.1	36.35	68.20	
598.070000	40.4	280.0	H	9.0	27.4	27.82	68.20	
603.770000	36.1	217.0	H	145.0	27.6	32.11	68.20	

Final Result 2 - 5500MHz 20MHz Dipole

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
57.690000	28.8	277.0	H	256.0	12.0	39.44	68.20	
67.320000	26.4	107.0	H	182.0	12.1	41.81	68.20	
81.250000	24.0	269.0	H	155.0	12.1	44.17	68.20	
87.480000	32.4	204.0	H	310.0	12.1	35.76	68.20	
597.130000	42.9	122.0	H	359.0	27.4	25.28	68.20	
603.380000	34.6	115.0	H	302.0	27.6	33.64	68.20	

Final Result 2 - 5580MHz 20MHz Dipole

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
54.030000	30.3	255.0	H	297.0	12.0	37.88	68.20	
63.960000	25.0	151.0	H	67.0	12.1	43.22	68.20	
85.010000	24.7	233.0	H	152.0	12.1	43.54	68.20	
86.820000	32.3	122.0	H	36.0	12.1	35.94	68.20	
601.280000	42.5	233.0	H	356.0	27.4	25.74	68.20	
605.640000	34.3	295.0	H	260.0	27.6	33.89	68.20	

Final Result 2 - 5660MHz 20MHz Dipole

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
57.810000	29.3	217.0	H	216.0	12.0	38.86	68.20	
67.690000	26.8	228.0	H	130.0	12.1	41.39	68.20	
85.880000	24.1	143.0	H	191.0	12.1	44.14	68.20	
83.450000	31.7	259.0	H	43.0	12.1	36.54	68.20	
597.240000	40.8	283.0	H	15.0	27.4	27.36	68.20	
599.640000	33.8	150.0	H	221.0	27.6	34.44	68.20	

Final Result 2 - 5510MHz 40MHz Dipole

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
58.070000	30.1	300.0	H	141.0	12.0	38.14	68.20	
63.500000	26.5	137.0	H	74.0	12.1	41.70	68.20	
85.210000	24.1	142.0	H	123.0	12.1	44.08	68.20	
86.960000	31.6	124.0	H	111.0	12.1	36.60	68.20	
600.880000	40.4	173.0	H	47.0	27.4	27.81	68.20	
600.010000	33.9	167.0	V	332.0	27.6	34.28	68.20	

Final Result 2 - 5590MHz 40MHz Dipole

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
56.610000	27.6	125.0	H	222.0	12.0	40.57	68.20	
67.140000	26.8	230.0	H	219.0	12.1	41.41	68.20	
84.030000	25.1	181.0	H	100.0	12.1	43.12	68.20	
85.590000	33.4	216.0	H	183.0	12.1	34.82	68.20	
597.120000	41.7	193.0	H	152.0	27.4	26.49	68.20	
599.990000	35.8	148.0	V	210.0	27.6	32.43	68.20	

Final Result 2 - 5670MHz 40MHz Dipole

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
54.870000	29.2	242.0	H	299.0	12.0	38.96	68.20	
64.810000	26.0	174.0	H	215.0	12.1	42.21	68.20	
82.260000	25.9	275.0	H	234.0	12.1	42.27	68.20	
84.330000	33.4	179.0	H	31.0	12.1	34.81	68.20	
598.280000	42.6	232.0	H	226.0	27.4	25.60	68.20	
599.670000	34.8	286.0	V	209.0	27.6	33.37	68.20	

Final Result 2 - 5530MHz 80MHz Dipole

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
54.930000	28.4	139.0	H	11.0	12.0	39.82	68.20	
63.020000	27.3	153.0	H	249.0	12.1	40.86	68.20	
85.460000	25.1	269.0	H	203.0	12.1	43.14	68.20	
84.150000	30.6	225.0	H	117.0	12.1	37.57	68.20	
597.360000	42.6	129.0	H	111.0	27.4	25.61	68.20	
604.580000	33.9	165.0	H	77.0	27.6	34.29	68.20	

Final Result 2 - 5610MHz 80MHz Dipole

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
55.120000	28.7	137.0	H	308.0	12.0	39.49	68.20	
63.270000	26.9	117.0	H	187.0	12.1	41.33	68.20	
81.870000	26.6	260.0	H	108.0	12.1	41.55	68.20	
86.760000	31.1	163.0	H	73.0	12.1	37.12	68.20	
598.740000	43.0	147.0	H	46.0	27.4	25.18	68.20	
603.860000	34.3	182.0	H	151.0	27.6	33.93	68.20	

Final Result 2 - 5260MHz 20MHz Horn

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
57.550000	29.8	259.0	H	257.0	12.0	38.37	68.20	
67.170000	26.5	256.0	H	260.0	12.1	41.73	68.20	
83.990000	25.8	221.0	H	252.0	12.1	42.42	68.20	
81.960000	31.8	197.0	H	279.0	12.1	36.44	68.20	
596.810000	43.1	230.0	H	237.0	27.4	25.07	68.20	
603.470000	34.2	145.0	V	36.0	27.6	33.99	68.20	

Final Result 2 - 5300MHz 20MHz Horn

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
53.980000	28.2	178.0	H	262.0	12.0	39.96	68.20	
64.810000	24.7	181.0	H	143.0	12.1	43.53	68.20	
85.440000	24.9	226.0	H	328.0	12.1	43.35	68.20	
87.470000	32.7	254.0	H	325.0	12.1	35.53	68.20	
597.310000	42.1	195.0	H	268.0	27.4	26.13	68.20	
605.610000	36.2	250.0	H	136.0	27.6	31.98	68.20	

Final Result 2 - 5320MHz 20MHz Horn

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
54.830000	29.8	275.0	H	77.0	12.0	38.37	68.20	
65.900000	25.7	152.0	H	157.0	12.1	14.35	40.00	
83.950000	23.8	178.0	H	342.0	12.1	44.37	68.20	
87.430000	32.3	207.0	H	6.0	12.1	35.89	68.20	
600.200000	40.7	266.0	H	40.0	27.4	27.48	68.20	
605.160000	34.3	208.0	H	57.0	27.6	33.92	68.20	

Final Result 2 - 5270MHz 40MHz Horn

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
52.750000	28.6	152.0	H	182.0	12.0	39.58	68.20	
64.100000	26.1	235.0	H	314.0	12.1	42.12	68.20	
85.210000	23.9	279.0	H	207.0	12.1	44.29	68.20	
87.130000	33.0	149.0	H	115.0	12.1	35.17	68.20	
601.260000	41.1	153.0	H	150.0	27.4	27.11	68.20	
605.320000	33.7	212.0	H	150.0	27.6	34.49	68.20	

Final Result 2 - 5310MHz 40MHz Horn

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
52.210000	28.9	211.0	H	142.0	12.0	39.27	68.20	
64.700000	26.7	145.0	H	61.0	12.1	41.51	68.20	
84.500000	25.6	104.0	H	193.0	12.1	14.37	40.00	
81.900000	33.1	206.0	H	121.0	12.1	35.07	68.20	
602.120000	43.3	146.0	H	254.0	27.4	24.91	68.20	
603.300000	33.9	252.0	V	125.0	27.6	34.32	68.20	

Final Result 2 - 5290MHz 80MHz Horn

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
55.610000	27.9	170.0	H	332.0	12.0	40.26	68.20	
66.150000	26.5	130.0	H	69.0	12.1	41.72	68.20	
81.260000	24.6	297.0	H	57.0	12.1	43.59	68.20	
87.720000	31.1	242.0	H	29.0	12.1	37.06	68.20	
601.720000	42.9	272.0	H	122.0	27.4	25.32	68.20	
602.680000	34.0	189.0	H	290.0	27.6	34.16	68.20	

Final Result 2 - 5500MHz 20MHz Horn

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
57.600000	29.1	147.0	H	121.0	12.0	39.06	68.20	
67.160000	26.5	281.0	H	111.0	12.1	41.67	68.20	
85.700000	25.0	287.0	H	8.0	12.1	43.21	68.20	
87.110000	31.0	159.0	H	54.0	12.1	37.15	68.20	
599.790000	41.1	243.0	H	308.0	27.4	27.12	68.20	
599.880000	34.7	139.0	V	52.0	27.6	33.52	68.20	

Final Result 2 - 5580MHz 20MHz Horn

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
57.810000	29.0	124.0	H	127.0	12.0	39.18	68.20	
66.340000	26.3	230.0	H	4.0	12.1	41.88	68.20	
81.240000	26.7	184.0	H	147.0	12.1	41.48	68.20	
86.810000	33.2	173.0	H	135.0	12.1	34.99	68.20	
599.130000	42.8	208.0	H	200.0	27.4	25.41	68.20	
601.080000	35.6	194.0	V	104.0	27.6	32.59	68.20	

Final Result 2 - 5660MHz 20MHz Horn

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
55.940000	30.4	272.0	H	358.0	12.0	37.79	68.20	
67.220000	24.8	116.0	H	225.0	12.1	43.37	68.20	
86.230000	26.3	230.0	H	142.0	12.1	41.92	68.20	
85.240000	33.4	185.0	H	67.0	12.1	34.81	68.20	
597.410000	42.0	248.0	H	166.0	27.4	26.23	68.20	
603.470000	34.6	217.0	V	228.0	27.6	33.58	68.20	

Final Result 2 - 5510MHz 40MHz Horn

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
52.540000	29.6	144.0	H	17.0	12.0	38.56	68.20	
68.030000	26.1	133.0	H	66.0	12.1	42.07	68.20	
82.850000	26.6	202.0	H	285.0	12.1	41.55	68.20	
88.140000	32.3	234.0	H	259.0	12.1	35.85	68.20	
596.780000	42.0	199.0	H	155.0	27.4	26.20	68.20	
600.870000	36.1	147.0	H	313.0	27.6	32.07	68.20	

Final Result 2 - 5590MHz 40MHz Horn

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
56.120000	29.4	195.0	H	215.0	12.0	38.85	68.20	
64.840000	27.6	283.0	H	270.0	12.1	40.63	68.20	
83.630000	23.8	242.0	H	231.0	12.1	44.38	68.20	
87.630000	31.4	264.0	H	99.0	12.1	36.81	68.20	
599.890000	41.7	198.0	H	26.0	27.4	26.45	68.20	
604.410000	35.1	154.0	V	83.0	27.6	33.12	68.20	

Final Result 2 - 5670MHz 40MHz Horn

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
57.370000	29.0	139.0	H	27.0	12.0	39.22	68.20	
61.930000	27.4	257.0	H	321.0	12.1	40.76	68.20	
83.670000	25.0	166.0	H	352.0	12.1	43.21	68.20	
87.070000	33.1	165.0	H	263.0	12.1	35.06	68.20	
602.300000	42.9	217.0	H	265.0	27.4	25.28	68.20	
603.940000	34.8	190.0	H	101.0	27.6	33.42	68.20	

Final Result 2 - 5530MHz 80MHz Horn

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
56.620000	29.7	170.0	H	299.0	12.0	38.54	68.20	
65.930000	25.9	142.0	H	227.0	12.1	42.26	68.20	
83.270000	26.1	203.0	H	313.0	12.1	42.07	68.20	
84.600000	31.0	167.0	H	72.0	12.1	37.21	68.20	
602.070000	41.0	156.0	H	186.0	27.4	27.24	68.20	
601.270000	35.5	186.0	H	228.0	27.6	32.73	68.20	

Final Result 2 - 5610MHz 80MHz Horn

Frequency (MHz)	Quasi Peak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
57.940000	29.3	113.0	H	216.0	12.0	38.89	68.20	
63.710000	26.5	191.0	H	57.0	12.1	41.70	68.20	
84.850000	24.1	236.0	H	97.0	12.1	44.15	68.20	
85.340000	32.8	101.0	H	301.0	12.1	35.40	68.20	
597.100000	42.1	253.0	H	289.0	27.4	26.12	68.20	
602.480000	35.5	286.0	H	340.0	27.6	32.75	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

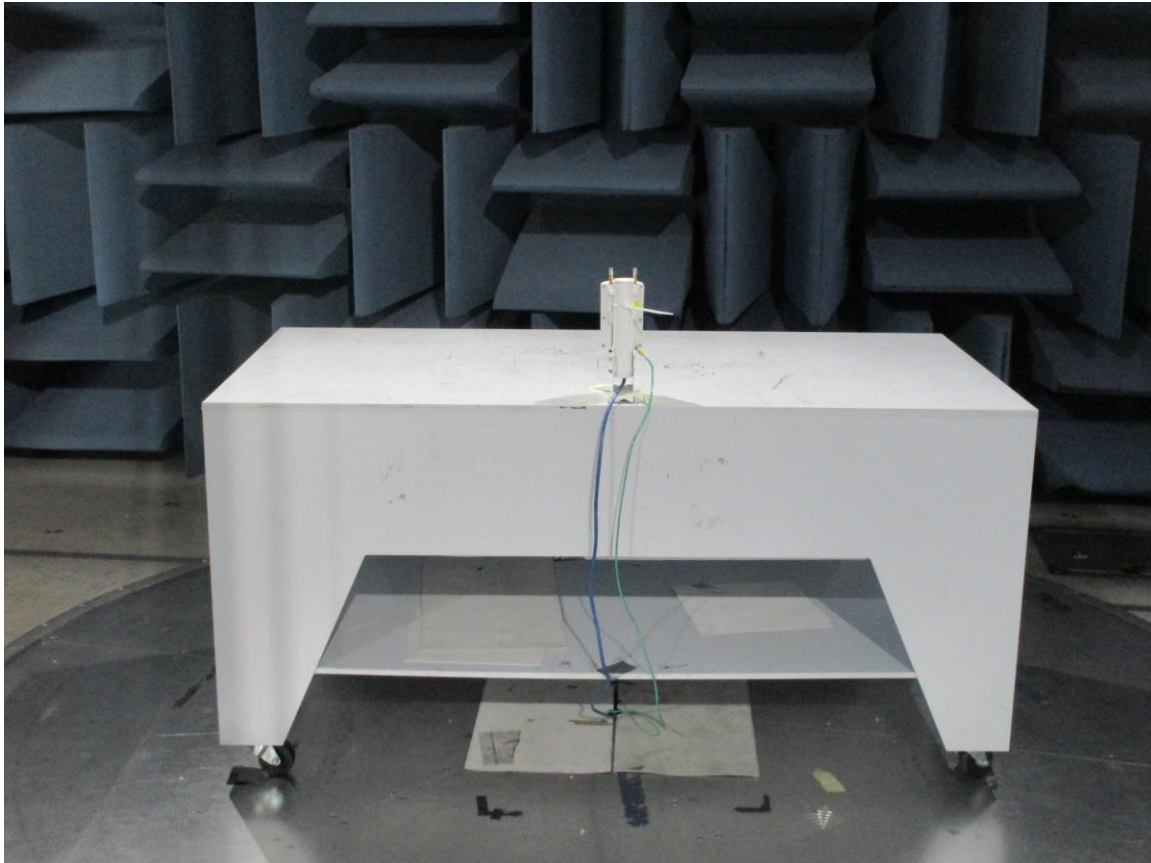
CISPR 22/FCC Class A – Radiated Emissions

**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 A – 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**

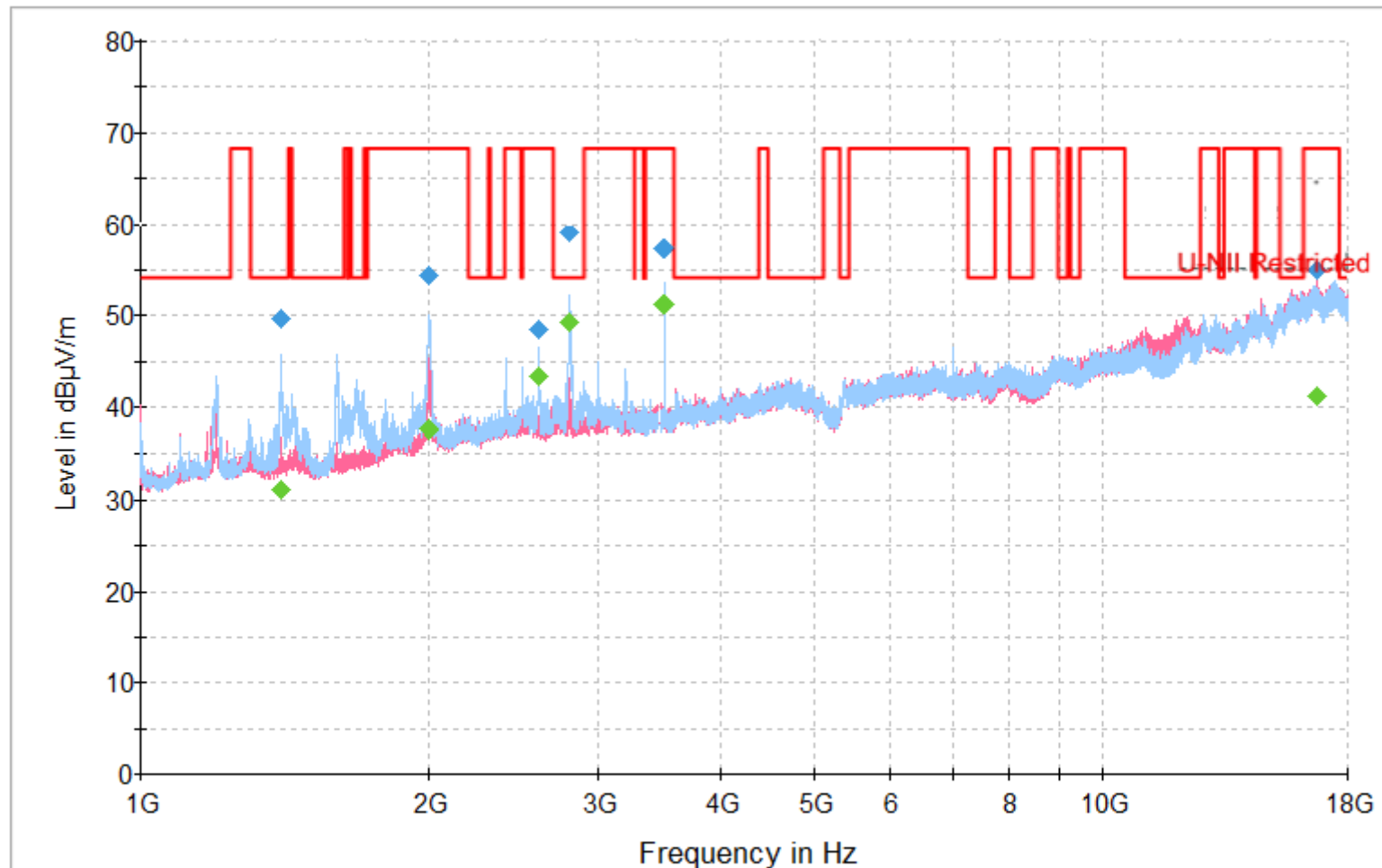
Common Information

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



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

Final Result 1 - 5260MHz 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 - 5260MHz 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 - 5300MHz 20MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1415.060000	46.1	134.0	H	332.0	-2.8	27.90	74.00	
1999.100000	51.3	128.0	H	145.0	0.5	16.95	68.20	
2680.870000	46.1	113.0	H	53.0	1.8	22.11	68.20	
2845.230000	56.7	192.0	H	265.0	2.1	17.26	74.00	
3582.240000	52.8	168.0	H	5.0	3.2	15.39	68.20	
16720.690000	51.9	242.0	V	360.0	22.4	16.35	68.20	

Final Result 2 - 5300MHz 20MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1415.060000	28.6	134.0	H	332.0	-2.8	25.42	54.00	
1999.100000	33.1	128.0	H	145.0	0.5	35.12	68.20	
2680.870000	39.4	113.0	H	53.0	1.8	28.77	68.20	
2845.230000	45.2	192.0	H	265.0	2.1	8.76	54.00	
3582.240000	48.2	168.0	H	5.0	3.2	19.96	68.20	
16720.690000	38.1	242.0	V	360.0	22.4	30.10	68.20	

Final Result 1 - 5320MHz 20MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1431.480000	45.5	109.0	H	309.0	-2.8	22.73	68.20	
2064.240000	50.5	232.0	H	288.0	0.5	17.72	68.20	
2685.960000	44.3	231.0	H	323.0	1.8	23.90	68.20	
2829.040000	55.7	292.0	H	334.0	2.1	18.27	74.00	
3514.710000	53.9	195.0	H	230.0	3.2	14.27	68.20	
16797.480000	50.4	122.0	V	209.0	22.4	17.79	68.20	

Final Result 2 - 5320MHz 20MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1431.480000	28.1	109.0	H	309.0	-2.8	40.13	68.20	
2064.240000	34.3	232.0	H	288.0	0.5	33.92	68.20	
2685.960000	39.2	231.0	H	323.0	1.8	29.05	68.20	
2829.040000	45.0	292.0	H	334.0	2.1	9.00	54.00	
3514.710000	48.2	195.0	H	230.0	3.2	20.03	68.20	
16797.480000	37.3	122.0	V	209.0	22.4	30.89	68.20	

Final Result 1 - 5270MHz 40MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1405.310000	46.0	164.0	H	1.0	-2.8	28.04	74.00	
2007.600000	49.6	224.0	H	13.0	0.5	18.63	68.20	
2696.280000	44.5	100.0	H	250.0	1.8	29.51	74.00	
2856.850000	55.4	249.0	H	74.0	2.1	18.58	74.00	
3549.970000	55.1	101.0	H	230.0	3.2	13.09	68.20	
16737.040000	52.1	288.0	V	124.0	22.4	16.15	68.20	

Final Result 2 - 5270MHz 40MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1405.310000	29.0	164.0	H	1.0	-2.8	25.05	54.00	
2007.600000	33.4	224.0	H	13.0	0.5	34.76	68.20	
2696.280000	40.7	100.0	H	250.0	1.8	13.32	54.00	
2856.850000	45.2	249.0	H	74.0	2.1	8.80	54.00	
3549.970000	49.3	101.0	H	230.0	3.2	18.92	68.20	
16737.040000	38.8	288.0	V	124.0	22.4	29.36	68.20	

Final Result 1 - 5310MHz 40MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1489.830000	46.0	296.0	H	338.0	-2.8	27.99	74.00	
2027.170000	50.7	255.0	H	1.0	0.5	17.54	68.20	
2613.360000	45.6	279.0	H	88.0	1.8	22.57	68.20	
2834.410000	55.3	132.0	H	217.0	2.1	18.70	74.00	
3563.650000	53.1	165.0	H	266.0	3.2	15.12	68.20	
16721.650000	50.2	220.0	V	251.0	22.4	18.02	68.20	

Final Result 2 - 5310MHz 40MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1489.830000	29.0	296.0	H	338.0	-2.8	25.04	54.00	
2027.170000	33.5	255.0	H	1.0	0.5	34.74	68.20	
2613.360000	38.9	279.0	H	88.0	1.8	29.34	68.20	
2834.410000	46.2	132.0	H	217.0	2.1	7.75	54.00	
3563.650000	48.9	165.0	H	266.0	3.2	19.35	68.20	
16721.650000	37.6	220.0	V	251.0	22.4	30.62	68.20	

Final Result 1 - 5290MHz 80MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1461.940000	47.1	275.0	H	124.0	-2.8	26.86	74.00	
2060.300000	50.6	273.0	H	252.0	0.5	17.56	68.20	
2621.170000	45.2	257.0	H	97.0	1.8	22.95	68.20	
2825.120000	56.9	233.0	H	61.0	2.1	17.07	74.00	
3506.810000	54.7	118.0	H	330.0	3.2	13.47	68.20	
16745.170000	53.0	199.0	V	86.0	22.4	15.25	68.20	

Final Result 2 - 5290MHz 80MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1461.940000	26.3	275.0	H	124.0	-2.8	27.69	54.00	
2060.300000	33.8	273.0	H	252.0	0.5	34.44	68.20	
2621.170000	40.2	257.0	H	97.0	1.8	27.97	68.20	
2825.120000	47.2	233.0	H	61.0	2.1	6.82	54.00	
3506.810000	47.9	118.0	H	330.0	3.2	20.25	68.20	
16745.170000	37.7	199.0	V	86.0	22.4	30.48	68.20	

Final Result 1 - 5500MHz 20MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1435.580000	44.6	195.0	H	114.0	-2.8	29.37	74.00	
2077.530000	50.9	163.0	H	208.0	0.5	17.32	68.20	
2692.880000	45.2	218.0	H	226.0	1.8	28.84	74.00	
2815.720000	57.1	255.0	H	261.0	2.1	16.91	74.00	
3574.930000	52.5	210.0	H	4.0	3.2	15.67	68.20	
16753.630000	50.2	105.0	V	284.0	22.4	17.95	68.20	

Final Result 2 - 5500MHz 20MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1435.580000	27.6	195.0	H	114.0	-2.8	26.37	54.00	
2077.530000	33.3	163.0	H	208.0	0.5	34.89	68.20	
2692.880000	38.4	218.0	H	226.0	1.8	15.57	54.00	
2815.720000	46.0	255.0	H	261.0	2.1	8.00	54.00	
3574.930000	48.1	210.0	H	4.0	3.2	20.09	68.20	
16753.630000	36.5	105.0	V	284.0	22.4	31.72	68.20	

Final Result 1 - 5580MHz 20MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1434.600000	46.6	176.0	H	64.0	-2.8	21.59	68.20	
2068.620000	52.1	231.0	H	23.0	0.5	16.06	68.20	
2634.880000	45.8	211.0	H	193.0	1.8	22.43	68.20	
2827.990000	56.0	150.0	H	273.0	2.1	17.98	74.00	
3592.990000	54.8	297.0	H	26.0	3.2	13.43	68.20	
16721.630000	51.7	288.0	V	75.0	22.4	16.54	68.20	

Final Result 2 - 5580MHz 20MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1434.600000	28.8	176.0	H	64.0	-2.8	39.40	68.20	
2068.620000	32.9	231.0	H	23.0	0.5	35.31	68.20	
2634.880000	39.8	211.0	H	193.0	1.8	28.40	68.20	
2827.990000	46.6	150.0	H	273.0	2.1	7.37	54.00	
3592.990000	46.7	297.0	H	26.0	3.2	21.55	68.20	
16721.630000	38.3	288.0	V	75.0	22.4	29.93	68.20	

Final Result 1 - 5660MHz 20MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1469.850000	45.3	186.0	H	51.0	-2.8	28.71	74.00	
2001.910000	51.3	132.0	H	128.0	0.5	16.93	68.20	
2658.950000	46.0	217.0	H	10.0	1.8	22.18	68.20	
2866.810000	56.2	198.0	H	301.0	2.1	17.80	74.00	
3524.890000	53.8	178.0	H	127.0	3.2	14.42	68.20	
16727.740000	51.9	208.0	V	311.0	22.4	16.35	68.20	

Final Result 2 - 5660MHz 20MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1469.850000	27.9	186.0	H	51.0	-2.8	26.08	54.00	
2001.910000	34.1	132.0	H	128.0	0.5	34.13	68.20	
2658.950000	40.1	217.0	H	10.0	1.8	28.06	68.20	
2866.810000	46.6	198.0	H	301.0	2.1	7.37	54.00	
3524.890000	48.8	178.0	H	127.0	3.2	19.39	68.20	
16727.740000	36.6	208.0	V	311.0	22.4	31.63	68.20	

Final Result 1 - 5510MHz 40MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1401.280000	46.6	205.0	H	209.0	-2.8	27.40	74.00	
2003.300000	50.7	125.0	H	277.0	0.5	17.49	68.20	
2667.030000	45.4	224.0	H	205.0	1.8	22.76	68.20	
2891.420000	55.1	261.0	H	178.0	2.1	18.87	74.00	
3544.590000	53.3	160.0	H	3.0	3.2	14.90	68.20	
16799.640000	50.1	242.0	V	109.0	22.4	18.09	68.20	

Final Result 2 - 5510MHz 40MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1401.280000	27.7	205.0	H	209.0	-2.8	26.31	54.00	
2003.300000	34.9	125.0	H	277.0	0.5	33.26	68.20	
2667.030000	40.5	224.0	H	205.0	1.8	27.72	68.20	
2891.420000	44.3	261.0	H	178.0	2.1	9.67	54.00	
3544.590000	49.0	160.0	H	3.0	3.2	19.22	68.20	
16799.640000	38.0	242.0	V	109.0	22.4	30.20	68.20	

Final Result 1 - 5590MHz 40MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1454.170000	45.0	217.0	H	333.0	-2.8	29.01	74.00	
2036.580000	51.8	289.0	H	237.0	0.5	16.42	68.20	
2651.150000	43.7	223.0	H	52.0	1.8	24.54	68.20	
2828.540000	55.5	288.0	H	77.0	2.1	18.51	74.00	
3596.270000	52.8	113.0	H	279.0	3.2	15.35	68.20	
16755.630000	52.5	231.0	V	10.0	22.4	15.65	68.20	

Final Result 2 - 5590MHz 40MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1454.170000	29.0	217.0	H	333.0	-2.8	25.05	54.00	
2036.580000	35.3	289.0	H	237.0	0.5	32.94	68.20	
2651.150000	39.8	223.0	H	52.0	1.8	28.43	68.20	
2828.540000	46.8	288.0	H	77.0	2.1	7.22	54.00	
3596.270000	47.2	113.0	H	279.0	3.2	21.00	68.20	
16755.630000	37.7	231.0	V	10.0	22.4	30.50	68.20	

Final Result 1 - 5670MHz 40MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1468.130000	44.6	143.0	H	51.0	-2.8	29.36	74.00	
2006.310000	49.8	214.0	H	169.0	0.5	18.38	68.20	
2656.570000	46.0	118.0	H	89.0	1.8	22.18	68.20	
2832.790000	56.0	268.0	H	21.0	2.1	17.95	74.00	
3571.520000	53.7	181.0	H	359.0	3.2	14.47	68.20	
16742.450000	52.2	146.0	V	181.0	22.4	16.01	68.20	

Final Result 2 - 5670MHz 40MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1468.130000	29.1	143.0	H	51.0	-2.8	24.93	54.00	
2006.310000	33.9	214.0	H	169.0	0.5	34.33	68.20	
2656.570000	39.9	118.0	H	89.0	1.8	28.28	68.20	
2832.790000	44.3	268.0	H	21.0	2.1	9.70	54.00	
3571.520000	47.1	181.0	H	359.0	3.2	21.08	68.20	
16742.450000	36.7	146.0	V	181.0	22.4	31.51	68.20	

Final Result 1 - 5530MHz 80MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1421.650000	47.2	140.0	H	146.0	-2.8	26.83	74.00	
2026.080000	52.2	287.0	H	189.0	0.5	15.98	68.20	
2686.740000	46.1	236.0	H	353.0	1.8	22.09	68.20	
2805.800000	54.3	235.0	H	264.0	2.1	19.66	74.00	
3592.720000	54.7	279.0	H	330.0	3.2	13.46	68.20	
16726.590000	51.2	189.0	V	22.0	22.4	17.00	68.20	

Final Result 2 - 5530MHz 80MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1421.650000	28.1	140.0	H	146.0	-2.8	25.91	54.00	
2026.080000	33.4	287.0	H	189.0	0.5	34.80	68.20	
2686.740000	39.4	236.0	H	353.0	1.8	28.83	68.20	
2805.800000	45.5	235.0	H	264.0	2.1	8.51	54.00	
3592.720000	47.5	279.0	H	330.0	3.2	20.74	68.20	
16726.590000	36.6	189.0	V	22.0	22.4	31.56	68.20	

Final Result 1 - 5610MHz 80MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1456.190000	46.1	199.0	H	353.0	-2.8	27.91	74.00	
2079.740000	51.9	178.0	H	10.0	0.5	16.34	68.20	
2618.920000	46.0	229.0	H	282.0	1.8	22.21	68.20	
2869.230000	54.7	284.0	H	113.0	2.1	19.28	74.00	
3511.060000	52.7	179.0	H	306.0	3.2	15.50	68.20	
16733.000000	52.6	185.0	V	305.0	22.4	15.63	68.20	

Final Result 2 - 5610MHz 80MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1456.190000	29.0	199.0	H	353.0	-2.8	25.04	54.00	
2079.740000	32.7	178.0	H	10.0	0.5	35.54	68.20	
2618.920000	38.9	229.0	H	282.0	1.8	29.27	68.20	
2869.230000	46.6	284.0	H	113.0	2.1	7.45	54.00	
3511.060000	47.7	179.0	H	306.0	3.2	20.54	68.20	
16733.000000	37.4	185.0	V	305.0	22.4	30.82	68.20	

Final Result 1 - 5260MHz 20MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1489.530000	45.7	276.0	H	117.0	-2.8	28.30	74.00	
2043.130000	50.8	123.0	H	343.0	0.5	17.38	68.20	
2623.010000	44.3	185.0	H	179.0	1.8	23.92	68.20	
2855.250000	55.7	237.0	H	139.0	2.1	18.32	74.00	
3585.770000	54.6	233.0	H	166.0	3.2	13.56	68.20	
16711.490000	50.8	258.0	V	233.0	22.4	17.36	68.20	

Final Result 2 - 5260MHz 20MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1489.530000	28.9	276.0	H	117.0	-2.8	25.14	54.00	
2043.130000	33.6	123.0	H	343.0	0.5	34.57	68.20	
2623.010000	39.7	185.0	H	179.0	1.8	28.52	68.20	
2855.250000	45.0	237.0	H	139.0	2.1	9.01	54.00	
3585.770000	47.1	233.0	H	166.0	3.2	21.07	68.20	
16711.490000	36.8	258.0	V	233.0	22.4	31.43	68.20	

Final Result 1 - 5300MHz 20MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1463.000000	47.0	131.0	H	92.0	-2.8	27.00	74.00	
2050.670000	51.9	115.0	H	233.0	0.5	16.28	68.20	
2615.900000	43.6	275.0	H	265.0	1.8	24.56	68.20	
2862.960000	54.8	124.0	H	234.0	2.1	19.22	74.00	
3516.460000	52.5	175.0	H	194.0	3.2	15.70	68.20	
16789.290000	51.2	177.0	V	314.0	22.4	17.01	68.20	

Final Result 2 - 5300MHz 20MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1463.000000	26.8	131.0	H	92.0	-2.8	27.18	54.00	
2050.670000	33.4	115.0	H	233.0	0.5	34.79	68.20	
2615.900000	40.5	275.0	H	265.0	1.8	27.69	68.20	
2862.960000	45.0	124.0	H	234.0	2.1	9.03	54.00	
3516.460000	46.5	175.0	H	194.0	3.2	21.66	68.20	
16789.290000	38.5	177.0	V	314.0	22.4	29.69	68.20	

Final Result 1 - 5320MHz 20MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1500.830000	45.2	177.0	H	133.0	-2.8	28.81	74.00	
2093.660000	51.2	290.0	H	138.0	0.5	16.98	68.20	
2653.380000	44.9	254.0	H	98.0	1.8	23.29	68.20	
2868.280000	55.2	142.0	H	326.0	2.1	18.75	74.00	
3525.240000	53.7	119.0	H	328.0	3.2	14.46	68.20	
16717.050000	51.6	133.0	V	165.0	22.4	16.59	68.20	

Final Result 2 - 5320MHz 20MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1500.830000	27.8	177.0	H	133.0	-2.8	26.17	54.00	
2093.660000	33.1	290.0	H	138.0	0.5	35.05	68.20	
2653.380000	39.1	254.0	H	98.0	1.8	29.09	68.20	
2868.280000	44.2	142.0	H	326.0	2.1	9.77	54.00	
3525.240000	48.1	119.0	H	328.0	3.2	20.14	68.20	
16717.050000	36.4	133.0	V	165.0	22.4	31.79	68.20	

Final Result 1 - 5270MHz 40MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1475.190000	45.9	167.0	H	264.0	-2.8	28.06	74.00	
2070.900000	50.9	262.0	H	68.0	0.5	17.33	68.20	
2682.130000	45.8	226.0	H	20.0	1.8	22.45	68.20	
2825.430000	55.3	207.0	H	319.0	2.1	18.65	74.00	
3526.880000	52.7	228.0	H	105.0	3.2	15.51	68.20	
16714.450000	52.4	211.0	V	159.0	22.4	15.85	68.20	

Final Result 2 - 5270MHz 40MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1475.190000	26.3	167.0	H	264.0	-2.8	27.68	54.00	
2070.900000	33.1	262.0	H	68.0	0.5	35.11	68.20	
2682.130000	41.2	226.0	H	20.0	1.8	26.98	68.20	
2825.430000	45.0	207.0	H	319.0	2.1	9.02	54.00	
3526.880000	48.5	228.0	H	105.0	3.2	19.66	68.20	
16714.450000	38.9	211.0	V	159.0	22.4	29.27	68.20	

Final Result 1 - 5310MHz 40MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1451.580000	46.4	211.0	H	190.0	-2.8	27.61	74.00	
2048.430000	51.8	155.0	H	209.0	0.5	16.39	68.20	
2693.850000	44.4	253.0	H	94.0	1.8	29.56	74.00	
2859.890000	57.0	255.0	H	292.0	2.1	17.03	74.00	
3564.450000	52.4	266.0	H	342.0	3.2	15.76	68.20	
16734.520000	51.2	127.0	V	337.0	22.4	17.04	68.20	

Final Result 2 - 5310MHz 40MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1451.580000	28.3	211.0	H	190.0	-2.8	25.74	54.00	
2048.430000	32.8	155.0	H	209.0	0.5	35.44	68.20	
2693.850000	40.0	253.0	H	94.0	1.8	14.02	54.00	
2859.890000	44.7	255.0	H	292.0	2.1	9.26	54.00	
3564.450000	47.3	266.0	H	342.0	3.2	20.91	68.20	
16734.520000	38.3	127.0	V	337.0	22.4	29.95	68.20	

Final Result 1 - 5290MHz 80MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1478.350000	45.9	151.0	H	146.0	-2.8	28.10	74.00	
2075.150000	51.9	291.0	H	321.0	0.5	16.31	68.20	
2669.130000	43.9	291.0	H	311.0	1.8	24.32	68.20	
2819.780000	55.4	110.0	H	121.0	2.1	18.61	74.00	
3564.060000	54.6	137.0	H	274.0	3.2	13.55	68.20	
16755.290000	52.7	136.0	V	273.0	22.4	15.49	68.20	

Final Result 2 - 5290MHz 80MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1478.350000	28.1	151.0	H	146.0	-2.8	25.92	54.00	
2075.150000	33.0	291.0	H	321.0	0.5	35.18	68.20	
2669.130000	41.0	291.0	H	311.0	1.8	27.24	68.20	
2819.780000	46.8	110.0	H	121.0	2.1	7.22	54.00	
3564.060000	48.6	137.0	H	274.0	3.2	19.55	68.20	
16755.290000	38.9	136.0	V	273.0	22.4	29.28	68.20	

Final Result 1 - 5500MHz 20MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1416.180000	47.6	256.0	H	156.0	-2.8	26.42	74.00	
2062.420000	50.9	174.0	H	86.0	0.5	17.27	68.20	
2638.620000	45.9	266.0	H	207.0	1.8	22.31	68.20	
2891.840000	54.6	170.0	H	328.0	2.1	19.43	74.00	
3546.270000	53.9	164.0	H	97.0	3.2	14.25	68.20	
16781.430000	50.5	298.0	V	291.0	22.4	17.70	68.20	

Final Result 2 - 5500MHz 20MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1416.180000	26.3	256.0	H	156.0	-2.8	27.71	54.00	
2062.420000	34.9	174.0	H	86.0	0.5	33.32	68.20	
2638.620000	39.0	266.0	H	207.0	1.8	29.24	68.20	
2891.840000	44.6	170.0	H	328.0	2.1	9.42	54.00	
3546.270000	48.4	164.0	H	97.0	3.2	19.80	68.20	
16781.430000	38.0	298.0	V	291.0	22.4	30.22	68.20	

Final Result 1 - 5580MHz 20MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1449.640000	46.5	288.0	H	325.0	-2.8	27.54	74.00	
2000.580000	50.7	223.0	H	201.0	0.5	17.46	68.20	
2671.790000	45.3	126.0	H	45.0	1.8	22.86	68.20	
2867.200000	54.2	125.0	H	3.0	2.1	19.83	74.00	
3584.950000	54.7	232.0	H	146.0	3.2	13.49	68.20	
16805.320000	50.7	128.0	V	224.0	22.4	17.49	68.20	

Final Result 2 - 5580MHz 20MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1449.640000	26.5	288.0	H	325.0	-2.8	27.51	54.00	
2000.580000	34.9	223.0	H	201.0	0.5	33.32	68.20	
2671.790000	39.3	126.0	H	45.0	1.8	28.90	68.20	
2867.200000	47.1	125.0	H	3.0	2.1	6.85	54.00	
3584.950000	48.8	232.0	H	146.0	3.2	19.43	68.20	
16805.320000	37.2	128.0	V	224.0	22.4	30.99	68.20	

Final Result 1 - 5660MHz 20MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1409.560000	46.7	107.0	H	103.0	-2.8	27.30	74.00	
2052.520000	52.2	264.0	H	158.0	0.5	16.00	68.20	
2637.620000	45.9	200.0	H	105.0	1.8	22.34	68.20	
2819.120000	56.7	176.0	H	118.0	2.1	17.26	74.00	
3569.330000	54.2	204.0	H	15.0	3.2	13.97	68.20	
16798.300000	52.4	179.0	V	14.0	22.4	15.84	68.20	

Final Result 2 - 5660MHz 20MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1409.560000	26.7	107.0	H	103.0	-2.8	27.26	54.00	
2052.520000	33.7	264.0	H	158.0	0.5	34.55	68.20	
2637.620000	38.8	200.0	H	105.0	1.8	29.45	68.20	
2819.120000	46.8	176.0	H	118.0	2.1	7.24	54.00	
3569.330000	48.2	204.0	H	15.0	3.2	20.05	68.20	
16798.300000	37.5	179.0	V	14.0	22.4	30.73	68.20	

Final Result 1 - 5510MHz 40MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1406.340000	44.7	198.0	H	117.0	-2.8	29.27	74.00	
2095.720000	49.6	125.0	H	147.0	0.5	18.58	68.20	
2638.100000	44.0	216.0	H	134.0	1.8	24.20	68.20	
2802.860000	56.8	291.0	H	271.0	2.1	17.24	74.00	
3517.430000	52.7	163.0	H	254.0	3.2	15.55	68.20	
16767.660000	51.8	200.0	V	268.0	22.4	16.37	68.20	

Final Result 2 - 5510MHz 40MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1406.340000	28.4	198.0	H	117.0	-2.8	25.58	54.00	
2095.720000	33.2	125.0	H	147.0	0.5	35.00	68.20	
2638.100000	39.6	216.0	H	134.0	1.8	28.64	68.20	
2802.860000	46.3	291.0	H	271.0	2.1	7.71	54.00	
3517.430000	48.8	163.0	H	254.0	3.2	19.37	68.20	
16767.660000	38.5	200.0	V	268.0	22.4	29.73	68.20	

Final Result 1 - 5590MHz 40MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1416.260000	45.9	112.0	H	98.0	-2.8	28.06	74.00	
2061.490000	50.3	280.0	H	13.0	0.5	17.92	68.20	
2604.130000	43.6	169.0	H	201.0	1.8	24.62	68.20	
2799.410000	55.4	205.0	H	318.0	2.1	18.59	74.00	
3582.500000	55.1	258.0	H	102.0	3.2	13.12	68.20	
16779.970000	52.6	118.0	V	300.0	22.4	15.64	68.20	

Final Result 2 - 5590MHz 40MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1416.260000	26.4	112.0	H	98.0	-2.8	27.62	54.00	
2061.490000	35.0	280.0	H	13.0	0.5	33.17	68.20	
2604.130000	38.6	169.0	H	201.0	1.8	29.63	68.20	
2799.410000	47.1	205.0	H	318.0	2.1	6.86	54.00	
3582.500000	47.7	258.0	H	102.0	3.2	20.51	68.20	
16779.970000	37.0	118.0	V	300.0	22.4	31.22	68.20	

Final Result 1 - 5670MHz 40MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1461.060000	46.6	274.0	H	270.0	-2.8	27.42	74.00	
2068.610000	50.3	192.0	H	43.0	0.5	17.93	68.20	
2648.000000	46.3	180.0	H	7.0	1.8	21.86	68.20	
2826.910000	56.3	294.0	H	145.0	2.1	17.70	74.00	
3555.620000	55.0	111.0	H	267.0	3.2	13.19	68.20	
16716.130000	50.9	133.0	V	360.0	22.4	17.33	68.20	

Final Result 2 - 5670MHz 40MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1461.060000	26.6	274.0	H	270.0	-2.8	27.36	54.00	
2068.610000	34.4	192.0	H	43.0	0.5	33.83	68.20	
2648.000000	40.7	180.0	H	7.0	1.8	27.46	68.20	
2826.910000	46.3	294.0	H	145.0	2.1	7.71	54.00	
3555.620000	48.5	111.0	H	267.0	3.2	19.75	68.20	
16716.130000	39.1	133.0	V	360.0	22.4	29.13	68.20	

Final Result 1 - 5530MHz 80MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1499.980000	46.4	244.0	H	198.0	-2.8	27.62	74.00	
2032.620000	50.9	178.0	H	107.0	0.5	17.33	68.20	
2662.510000	45.6	234.0	H	338.0	1.8	22.65	68.20	
2873.420000	56.6	184.0	H	295.0	2.1	17.36	74.00	
3537.020000	53.7	132.0	H	21.0	3.2	14.45	68.20	
16748.090000	50.6	290.0	V	115.0	22.4	17.59	68.20	

Final Result 2 - 5530MHz 80MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1499.980000	27.9	244.0	H	198.0	-2.8	26.15	54.00	
2032.620000	33.0	178.0	H	107.0	0.5	35.19	68.20	
2662.510000	41.0	234.0	H	338.0	1.8	27.17	68.20	
2873.420000	45.7	184.0	H	295.0	2.1	8.30	54.00	
3537.020000	48.2	132.0	H	21.0	3.2	20.01	68.20	
16748.090000	37.0	290.0	V	115.0	22.4	31.19	68.20	

Final Result 1 - 5610MHz 80MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1462.100000	45.6	157.0	H	341.0	-2.8	28.44	74.00	
2006.840000	49.6	118.0	H	220.0	0.5	18.62	68.20	
2621.770000	46.3	184.0	H	9.0	1.8	21.86	68.20	
2872.940000	55.8	207.0	H	347.0	2.1	18.20	74.00	
3547.310000	53.1	105.0	H	309.0	3.2	15.13	68.20	
16779.110000	50.9	292.0	V	145.0	22.4	17.33	68.20	

Final Result 2 - 5610MHz 80MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
1462.100000	28.7	157.0	H	341.0	-2.8	25.31	54.00	
2006.840000	35.0	118.0	H	220.0	0.5	33.24	68.20	
2621.770000	38.8	184.0	H	9.0	1.8	29.44	68.20	
2872.940000	44.3	207.0	H	347.0	2.1	9.73	54.00	
3547.310000	48.1	105.0	H	309.0	3.2	20.12	68.20	
16779.110000	37.2	292.0	V	145.0	22.4	30.97	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

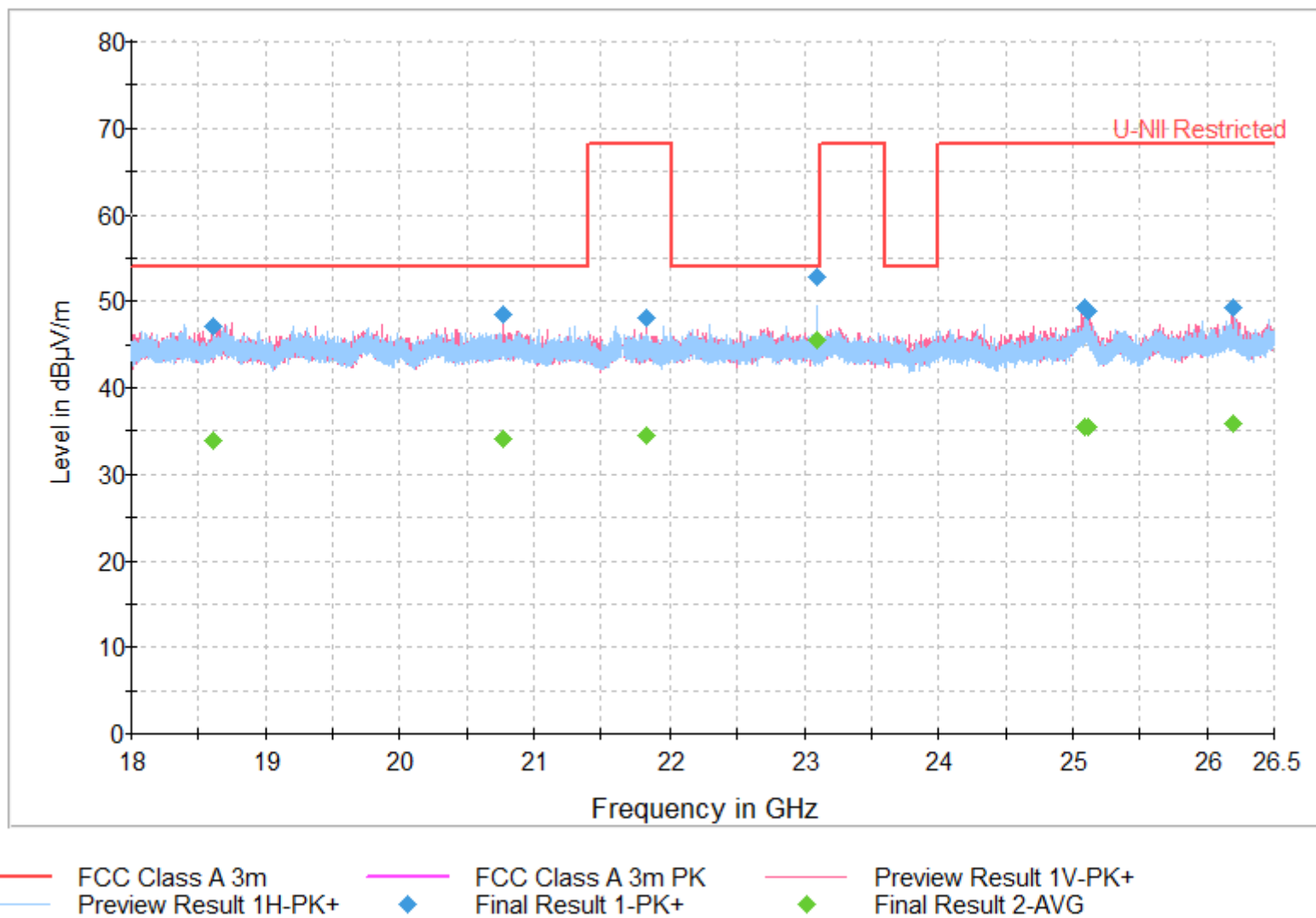
Serial Number:

001

Comment:

None

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



Final Result 1 - 5260MHz 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 - 5260MHz 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 - 5300MHz 20MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18746.840000	44.6	295.0	H	13.0	10.4	29.43	74.00	
20928.140000	45.8	129.0	H	157.0	11.0	28.16	74.00	
21878.670000	45.1	188.0	V	246.0	11.2	23.09	68.20	
23132.750000	49.4	134.0	V	347.0	11.6	18.85	68.20	
25142.430000	45.7	233.0	H	122.0	11.8	22.49	68.20	
25203.560000	46.2	129.0	H	360.0	11.8	22.04	68.20	
26246.820000	46.2	288.0	H	118.0	12.5	22.02	68.20	

Final Result 2 - 5300MHz 20MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18746.840000	29.5	295.0	H	13.0	10.4	24.47	54.00	
20928.140000	31.9	129.0	H	157.0	11.0	22.14	54.00	
21878.670000	29.6	188.0	V	246.0	11.2	38.60	68.20	
23132.750000	43.0	134.0	V	347.0	11.6	25.19	68.20	
25142.430000	30.7	233.0	H	122.0	11.8	37.51	68.20	
25203.560000	31.2	129.0	H	360.0	11.8	36.96	68.20	
26246.820000	32.2	288.0	H	118.0	12.5	36.01	68.20	

Final Result 1 - 5320MHz 20MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18818.020000	44.2	104.0	H	350.0	10.4	29.77	74.00	
20818.550000	46.3	287.0	V	288.0	11.0	27.71	74.00	
21870.250000	45.1	299.0	H	222.0	11.2	23.12	68.20	
23357.620000	48.8	172.0	H	326.0	11.6	19.35	68.20	
25217.710000	44.2	204.0	V	112.0	11.8	23.98	68.20	
25350.850000	44.4	253.0	V	67.0	11.8	23.83	68.20	
26240.290000	44.9	142.0	V	344.0	12.5	23.33	68.20	

Final Result 2 - 5320MHz 20MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18818.020000	31.8	104.0	H	350.0	10.4	22.23	54.00	
20818.550000	30.3	287.0	V	288.0	11.0	23.67	54.00	
21870.250000	29.9	299.0	H	222.0	11.2	38.34	68.20	
23357.620000	42.0	172.0	H	326.0	11.6	26.16	68.20	
25217.710000	32.3	204.0	V	112.0	11.8	35.85	68.20	
25350.850000	31.6	253.0	V	67.0	11.8	36.63	68.20	
26240.290000	31.0	142.0	V	344.0	12.5	37.21	68.20	

Final Result 1 - 5270MHz 40MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18625.030000	43.3	286.0	V	347.0	10.4	30.69	74.00	
20983.120000	43.6	144.0	V	155.0	11.0	30.41	74.00	
21918.880000	44.9	233.0	H	316.0	11.2	23.25	68.20	
23226.710000	49.9	260.0	V	155.0	11.6	18.31	68.20	
25177.660000	45.1	192.0	V	269.0	11.8	23.11	68.20	
25394.840000	45.0	175.0	V	353.0	11.8	23.22	68.20	
26482.040000	44.4	296.0	H	8.0	12.5	23.84	68.20	

Final Result 2 - 5270MHz 40MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18625.030000	29.6	286.0	V	347.0	10.4	24.42	54.00	
20983.120000	31.2	144.0	V	155.0	11.0	22.76	54.00	
21918.880000	32.4	233.0	H	316.0	11.2	35.79	68.20	
23226.710000	41.8	260.0	V	155.0	11.6	26.36	68.20	
25177.660000	33.2	192.0	V	269.0	11.8	34.98	68.20	
25394.840000	31.4	175.0	V	353.0	11.8	36.81	68.20	
26482.040000	32.8	296.0	H	8.0	12.5	35.36	68.20	

Final Result 1 - 5310MHz 40MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18745.050000	43.7	118.0	V	226.0	10.4	30.26	74.00	
20990.530000	44.7	245.0	V	76.0	11.0	29.27	74.00	
21924.960000	45.7	191.0	H	355.0	11.2	22.47	68.20	
23291.890000	48.1	235.0	H	308.0	11.6	20.08	68.20	
25284.570000	45.3	250.0	H	152.0	11.8	22.93	68.20	
25222.790000	46.6	238.0	H	28.0	11.8	21.60	68.20	
26290.680000	46.2	199.0	V	100.0	12.5	22.01	68.20	

Final Result 2 - 5310MHz 40MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18745.050000	31.6	118.0	V	226.0	10.4	22.41	54.00	
20990.530000	31.6	245.0	V	76.0	11.0	22.35	54.00	
21924.960000	29.7	191.0	H	355.0	11.2	38.48	68.20	
23291.890000	42.6	235.0	H	308.0	11.6	25.55	68.20	
25284.570000	32.4	250.0	H	152.0	11.8	35.85	68.20	
25222.790000	32.1	238.0	H	28.0	11.8	36.06	68.20	
26290.680000	31.6	199.0	V	100.0	12.5	36.55	68.20	

Final Result 1 - 5290MHz 80MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18829.630000	43.1	221.0	H	184.0	10.4	30.92	74.00	
21030.140000	43.5	148.0	V	247.0	11.0	30.45	74.00	
22025.210000	45.0	200.0	H	307.0	11.2	29.04	74.00	
23131.670000	50.0	172.0	V	137.0	11.6	18.21	68.20	
25318.490000	46.2	193.0	H	295.0	11.8	22.01	68.20	
25307.160000	46.9	160.0	H	340.0	11.8	21.33	68.20	

Final Result 2 - 5290MHz 80MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18829.630000	30.9	221.0	H	184.0	10.4	23.07	54.00	
21030.140000	29.6	148.0	V	247.0	11.0	24.43	54.00	
22025.210000	31.8	200.0	H	307.0	11.2	22.16	54.00	
23131.670000	40.6	172.0	V	137.0	11.6	27.64	68.20	
25318.490000	32.9	193.0	H	295.0	11.8	35.25	68.20	
25307.160000	30.5	160.0	H	340.0	11.8	37.70	68.20	
26486.490000	32.1	225.0	V	23.0	12.5	36.12	68.20	

Final Result 1 - 5500MHz 20MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18870.660000	42.4	243.0	H	216.0	10.4	31.65	74.00	
20884.950000	45.5	181.0	V	58.0	11.0	28.50	74.00	
22034.530000	43.1	285.0	V	357.0	11.2	30.95	74.00	
23175.830000	49.8	258.0	H	337.0	11.6	18.43	68.20	
25153.580000	46.9	123.0	H	226.0	11.8	21.30	68.20	
25312.140000	45.7	212.0	H	157.0	11.8	22.55	68.20	
26357.260000	46.7	285.0	H	112.0	12.5	21.50	68.20	

Final Result 2 - 5500MHz 20MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18870.660000	30.5	243.0	H	216.0	10.4	23.53	54.00	
20884.950000	30.6	181.0	V	58.0	11.0	23.43	54.00	
22034.530000	31.0	285.0	V	357.0	11.2	23.02	54.00	
23175.830000	41.6	258.0	H	337.0	11.6	26.60	68.20	
25153.580000	30.7	123.0	H	226.0	11.8	37.50	68.20	
25312.140000	31.0	212.0	H	157.0	11.8	37.19	68.20	
26357.260000	31.8	285.0	H	112.0	12.5	36.40	68.20	

Final Result 1 - 5580MHz 20MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18812.180000	43.4	141.0	V	325.0	10.4	30.58	74.00	
20854.030000	44.2	122.0	H	222.0	11.0	29.83	74.00	
21958.350000	44.5	189.0	H	138.0	11.2	23.73	68.20	
23393.180000	48.6	114.0	V	229.0	11.6	19.55	68.20	
25208.650000	45.3	262.0	H	20.0	11.8	22.89	68.20	
25381.230000	46.3	179.0	H	76.0	11.8	21.85	68.20	
26424.230000	47.0	298.0	H	359.0	12.5	21.16	68.20	

Final Result 2 - 5580MHz 20MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18812.180000	29.0	141.0	V	325.0	10.4	25.03	54.00	
20854.030000	29.7	122.0	H	222.0	11.0	24.34	54.00	
21958.350000	30.5	189.0	H	138.0	11.2	37.73	68.20	
23393.180000	41.5	114.0	V	229.0	11.6	26.69	68.20	
25208.650000	32.5	262.0	H	20.0	11.8	35.71	68.20	
25381.230000	31.6	179.0	H	76.0	11.8	36.65	68.20	
26424.230000	32.6	298.0	H	359.0	12.5	35.59	68.20	

Final Result 1 - 5660MHz 20MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18809.420000	43.7	157.0	V	311.0	10.4	30.27	74.00	
20855.750000	46.0	198.0	V	77.0	11.0	27.97	74.00	
21955.960000	45.8	244.0	V	285.0	11.2	22.38	68.20	
23383.710000	48.8	299.0	H	306.0	11.6	19.41	68.20	
25101.100000	45.8	130.0	H	274.0	11.8	22.37	68.20	
25233.990000	45.7	216.0	V	310.0	11.8	22.46	68.20	
26221.740000	44.5	134.0	H	173.0	12.5	23.69	68.20	

Final Result 2 - 5660MHz 20MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18809.420000	29.0	157.0	V	311.0	10.4	24.97	54.00	
20855.750000	30.0	198.0	V	77.0	11.0	23.98	54.00	
21955.960000	31.7	244.0	V	285.0	11.2	36.49	68.20	
23383.710000	42.2	299.0	H	306.0	11.6	26.03	68.20	
25101.100000	32.5	130.0	H	274.0	11.8	35.73	68.20	
25233.990000	32.7	216.0	V	310.0	11.8	35.54	68.20	
26221.740000	32.2	134.0	H	173.0	12.5	35.98	68.20	

Final Result 1 - 5510MHz 40MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18806.050000	43.7	151.0	H	254.0	10.4	30.33	74.00	
21051.890000	46.3	236.0	H	106.0	11.0	27.69	74.00	
21978.770000	43.5	145.0	V	27.0	11.2	24.69	68.20	
23341.850000	48.7	297.0	H	95.0	11.6	19.53	68.20	
25188.400000	45.9	269.0	H	290.0	11.8	22.35	68.20	
25198.080000	45.1	247.0	V	142.0	11.8	23.06	68.20	
26252.060000	46.0	109.0	V	34.0	12.5	22.22	68.20	

Final Result 2 - 5510MHz 40MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18806.050000	30.7	151.0	H	254.0	10.4	23.27	54.00	
21051.890000	30.4	236.0	H	106.0	11.0	23.60	54.00	
21978.770000	30.9	145.0	V	27.0	11.2	37.32	68.20	
23341.850000	40.7	297.0	H	95.0	11.6	27.46	68.20	
25188.400000	30.6	269.0	H	290.0	11.8	37.63	68.20	
25198.080000	30.7	247.0	V	142.0	11.8	37.49	68.20	
26252.060000	33.5	109.0	V	34.0	12.5	34.75	68.20	

Final Result 1 - 5590MHz 40MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18707.250000	44.7	154.0	H	149.0	10.4	29.31	74.00	
20884.480000	46.0	273.0	H	38.0	11.0	28.01	74.00	
21938.500000	44.5	162.0	H	286.0	11.2	23.70	68.20	
23304.200000	49.7	187.0	H	102.0	11.6	18.48	68.20	
25166.470000	44.3	198.0	V	80.0	11.8	23.92	68.20	
25407.690000	45.2	107.0	V	18.0	11.8	23.01	68.20	
26233.470000	45.1	221.0	V	148.0	12.5	23.15	68.20	

Final Result 2 - 5590MHz 40MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18707.250000	30.3	154.0	H	149.0	10.4	23.69	54.00	
20884.480000	30.5	273.0	H	38.0	11.0	23.47	54.00	
21938.500000	31.5	162.0	H	286.0	11.2	36.72	68.20	
23304.200000	42.9	187.0	H	102.0	11.6	25.26	68.20	
25166.470000	32.0	198.0	V	80.0	11.8	36.24	68.20	
25407.690000	31.8	107.0	V	18.0	11.8	36.44	68.20	
26233.470000	32.1	221.0	V	148.0	12.5	36.11	68.20	

Final Result 1 - 5670MHz 40MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18893.890000	44.9	178.0	H	319.0	10.4	29.05	74.00	
20803.700000	43.9	122.0	V	11.0	11.0	30.13	74.00	
22037.140000	43.9	243.0	H	96.0	11.2	30.08	74.00	
23323.020000	48.0	159.0	V	92.0	11.6	20.24	68.20	
25254.660000	46.7	259.0	V	305.0	11.8	21.47	68.20	
25122.830000	45.1	245.0	H	164.0	11.8	23.07	68.20	
26378.130000	44.6	269.0	H	286.0	12.5	23.60	68.20	

Final Result 2 - 5670MHz 40MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18893.890000	29.3	178.0	H	319.0	10.4	24.70	54.00	
20803.700000	31.9	122.0	V	11.0	11.0	22.05	54.00	
22037.140000	30.1	243.0	H	96.0	11.2	23.92	54.00	
23323.020000	42.2	159.0	V	92.0	11.6	26.04	68.20	
25254.660000	31.0	259.0	V	305.0	11.8	37.18	68.20	
25122.830000	31.5	245.0	H	164.0	11.8	36.72	68.20	
26378.130000	30.8	269.0	H	286.0	12.5	37.39	68.20	

Final Result 1 - 5530MHz 80MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18622.110000	44.2	247.0	V	27.0	10.4	29.84	74.00	
20774.790000	43.4	112.0	H	173.0	11.0	30.59	74.00	
21833.390000	45.9	166.0	V	158.0	11.2	22.27	68.20	
23384.050000	50.1	237.0	V	167.0	11.6	18.08	68.20	
25279.630000	46.5	279.0	H	97.0	11.8	21.66	68.20	
25196.050000	44.2	260.0	H	5.0	11.8	23.96	68.20	
26435.660000	45.1	218.0	H	192.0	12.5	23.06	68.20	

Final Result 2 - 5530MHz 80MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18622.110000	31.3	247.0	V	27.0	10.4	22.65	54.00	
20774.790000	31.9	112.0	H	173.0	11.0	22.07	54.00	
21833.390000	30.5	166.0	V	158.0	11.2	37.70	68.20	
23384.050000	41.4	237.0	V	167.0	11.6	26.77	68.20	
25279.630000	32.2	279.0	H	97.0	11.8	36.02	68.20	
25196.050000	32.3	260.0	H	5.0	11.8	35.86	68.20	
26435.660000	33.7	218.0	H	192.0	12.5	34.52	68.20	

Final Result 1 - 5610MHz 80MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18863.250000	45.0	212.0	V	143.0	10.4	28.97	74.00	
21028.240000	43.9	195.0	H	11.0	11.0	30.10	74.00	
22050.650000	43.4	207.0	V	113.0	11.2	30.62	74.00	
23340.860000	48.0	191.0	V	267.0	11.6	20.18	68.20	
25302.000000	46.8	125.0	H	204.0	11.8	21.43	68.20	
25156.380000	45.9	155.0	V	8.0	11.8	22.28	68.20	
26334.350000	44.5	262.0	V	238.0	12.5	23.73	68.20	

Final Result 2 - 5610MHz 80MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18863.250000	29.0	212.0	V	143.0	10.4	24.95	54.00	
21028.240000	31.4	195.0	H	11.0	11.0	22.65	54.00	
22050.650000	30.6	207.0	V	113.0	11.2	23.44	54.00	
23340.860000	42.3	191.0	V	267.0	11.6	25.89	68.20	
25302.000000	31.3	125.0	H	204.0	11.8	36.88	68.20	
25156.380000	31.5	155.0	V	8.0	11.8	36.68	68.20	
26334.350000	32.1	262.0	V	238.0	12.5	36.12	68.20	

Final Result 1 - 5260MHz 20MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18731.970000	44.6	218.0	H	92.0	10.4	29.37	74.00	
20928.530000	45.5	257.0	H	22.0	11.0	28.48	74.00	
22080.960000	44.4	134.0	V	217.0	11.2	29.56	74.00	
23282.660000	50.7	182.0	V	190.0	11.6	17.55	68.20	
25310.560000	46.4	191.0	H	148.0	11.8	21.77	68.20	
25193.020000	44.6	128.0	V	233.0	11.8	23.64	68.20	

Final Result 2 - 5260MHz 20MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18731.970000	31.0	218.0	H	92.0	10.4	23.02	54.00	
20928.530000	31.0	257.0	H	22.0	11.0	23.04	54.00	
22080.960000	31.5	134.0	V	217.0	11.2	22.52	54.00	
23282.660000	42.9	182.0	V	190.0	11.6	25.33	68.20	
25310.560000	32.2	191.0	H	148.0	11.8	36.01	68.20	
25193.020000	30.8	128.0	V	233.0	11.8	37.43	68.20	

Final Result 1 - 5300MHz 20MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18819.960000	42.9	170.0	H	31.0	10.4	31.06	74.00	
21056.110000	45.5	147.0	H	126.0	11.0	28.47	74.00	
21868.850000	44.8	158.0	H	352.0	11.2	23.39	68.20	
23278.060000	48.4	197.0	V	84.0	11.6	19.80	68.20	
25230.380000	45.0	198.0	H	262.0	11.8	23.20	68.20	
25410.820000	45.5	173.0	H	166.0	11.8	22.73	68.20	
26232.920000	46.4	244.0	H	245.0	12.5	21.85	68.20	

Final Result 2 - 5300MHz 20MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18819.960000	29.3	170.0	H	31.0	10.4	24.71	54.00	
21056.110000	29.8	147.0	H	126.0	11.0	24.18	54.00	
21868.850000	30.6	158.0	H	352.0	11.2	37.63	68.20	
23278.060000	42.9	197.0	V	84.0	11.6	25.26	68.20	
25230.380000	32.4	198.0	H	262.0	11.8	35.83	68.20	
25410.820000	33.0	173.0	H	166.0	11.8	35.23	68.20	
26232.920000	32.0	244.0	H	245.0	12.5	36.17	68.20	

Final Result 1 - 5320MHz 20MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18793.190000	44.3	288.0	V	21.0	10.4	29.65	74.00	
21050.290000	44.1	189.0	V	114.0	11.0	29.93	74.00	
21900.410000	45.6	227.0	V	110.0	11.2	22.56	68.20	
23330.310000	49.3	204.0	H	66.0	11.6	18.89	68.20	
25169.270000	47.0	170.0	V	239.0	11.8	21.16	68.20	
25399.540000	44.0	108.0	H	37.0	11.8	24.17	68.20	
26406.540000	44.7	276.0	H	13.0	12.5	23.51	68.20	

Final Result 2 - 5320MHz 20MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18793.190000	31.1	288.0	V	21.0	10.4	22.93	54.00	
21050.290000	31.1	189.0	V	114.0	11.0	22.93	54.00	
21900.410000	29.8	227.0	V	110.0	11.2	38.35	68.20	
23330.310000	41.3	204.0	H	66.0	11.6	26.91	68.20	
25169.270000	30.9	170.0	V	239.0	11.8	37.32	68.20	
25399.540000	33.3	108.0	H	37.0	11.8	34.89	68.20	
26406.540000	31.3	276.0	H	13.0	12.5	36.86	68.20	

Final Result 1 - 5270MHz 40MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18802.270000	44.9	215.0	V	109.0	10.4	29.15	74.00	
21001.700000	43.5	152.0	H	112.0	11.0	30.49	74.00	
22090.580000	44.5	157.0	H	18.0	11.2	29.51	74.00	
23214.540000	48.2	293.0	V	342.0	11.6	20.00	68.20	
25127.770000	46.1	185.0	H	232.0	11.8	22.11	68.20	
25277.830000	46.1	192.0	H	70.0	11.8	22.12	68.20	
26448.950000	46.7	151.0	H	186.0	12.5	21.47	68.20	

Final Result 2 - 5270MHz 40MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18802.270000	30.0	215.0	V	109.0	10.4	23.98	54.00	
21001.700000	30.5	152.0	H	112.0	11.0	23.47	54.00	
22090.580000	31.1	157.0	H	18.0	11.2	22.88	54.00	
23214.540000	42.9	293.0	V	342.0	11.6	25.31	68.20	
25127.770000	33.3	185.0	H	232.0	11.8	34.86	68.20	
25277.830000	31.2	192.0	H	70.0	11.8	36.96	68.20	
26448.950000	33.2	151.0	H	186.0	12.5	35.02	68.20	

Final Result 1 - 5310MHz 40MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18717.640000	43.6	112.0	H	318.0	10.4	30.40	74.00	
20849.040000	44.0	299.0	H	349.0	11.0	30.02	74.00	
21997.060000	44.8	114.0	H	169.0	11.2	23.41	68.20	
23252.410000	49.1	181.0	H	119.0	11.6	19.14	68.20	
25140.960000	44.6	131.0	H	186.0	11.8	23.57	68.20	
25234.400000	44.7	100.0	V	174.0	11.8	23.49	68.20	
26210.970000	46.7	200.0	V	127.0	12.5	21.51	68.20	

Final Result 2 - 5310MHz 40MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18717.640000	31.7	112.0	H	318.0	10.4	22.34	54.00	
20849.040000	30.3	299.0	H	349.0	11.0	23.74	54.00	
21997.060000	31.6	114.0	H	169.0	11.2	36.64	68.20	
23252.410000	41.8	181.0	H	119.0	11.6	26.36	68.20	
25140.960000	31.7	131.0	H	186.0	11.8	36.52	68.20	
25234.400000	32.4	100.0	V	174.0	11.8	35.78	68.20	
26210.970000	33.7	200.0	V	127.0	12.5	34.55	68.20	

Final Result 1 - 5290MHz 80MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18834.260000	44.8	175.0	V	79.0	10.4	29.25	74.00	
20839.060000	44.0	114.0	H	110.0	11.0	30.02	74.00	
21966.470000	44.1	152.0	V	297.0	11.2	24.13	68.20	
23203.400000	48.4	114.0	H	277.0	11.6	19.81	68.20	
25260.090000	45.4	277.0	H	64.0	11.8	22.85	68.20	
25170.970000	46.1	258.0	V	264.0	11.8	22.09	68.20	
26313.900000	46.8	119.0	V	295.0	12.5	21.36	68.20	

Final Result 2 - 5290MHz 80MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18834.260000	28.9	175.0	V	79.0	10.4	25.07	54.00	
20839.060000	30.9	114.0	H	110.0	11.0	23.10	54.00	
21966.470000	32.1	152.0	V	297.0	11.2	36.06	68.20	
23203.400000	41.3	114.0	H	277.0	11.6	26.86	68.20	
25260.090000	33.3	277.0	H	64.0	11.8	34.91	68.20	
25170.970000	32.1	258.0	V	264.0	11.8	36.11	68.20	
26313.900000	31.6	119.0	V	295.0	12.5	36.63	68.20	

Final Result 1 - 5500MHz 20MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18861.600000	43.8	272.0	V	201.0	10.4	30.19	74.00	
21052.570000	44.6	263.0	V	75.0	11.0	29.36	74.00	
21887.690000	44.3	206.0	V	357.0	11.2	23.86	68.20	
23364.340000	50.0	256.0	V	8.0	11.6	18.21	68.20	
25379.720000	45.2	121.0	V	187.0	11.8	23.01	68.20	
25121.560000	46.0	226.0	H	343.0	11.8	22.17	68.20	
26447.880000	44.4	148.0	V	90.0	12.5	23.80	68.20	

Final Result 2 - 5500MHz 20MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18861.600000	29.8	272.0	V	201.0	10.4	24.21	54.00	
21052.570000	30.5	263.0	V	75.0	11.0	23.53	54.00	
21887.690000	31.2	206.0	V	357.0	11.2	37.01	68.20	
23364.340000	43.0	256.0	V	8.0	11.6	25.23	68.20	
25379.720000	32.9	121.0	V	187.0	11.8	35.32	68.20	
25121.560000	30.6	226.0	H	343.0	11.8	37.62	68.20	
26447.880000	30.8	148.0	V	90.0	12.5	37.39	68.20	

Final Result 1 - 5580MHz 20MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18698.650000	42.8	222.0	V	82.0	10.4	31.17	74.00	
20845.510000	46.2	162.0	V	247.0	11.0	27.76	74.00	
21977.530000	43.4	289.0	V	346.0	11.2	24.83	68.20	
23391.520000	49.7	246.0	V	149.0	11.6	18.51	68.20	
25259.910000	46.7	168.0	V	63.0	11.8	21.48	68.20	
25382.350000	46.3	205.0	H	323.0	11.8	21.88	68.20	
26251.650000	44.6	143.0	H	142.0	12.5	23.56	68.20	

Final Result 2 - 5580MHz 20MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18698.650000	31.0	222.0	V	82.0	10.4	23.01	54.00	
20845.510000	31.3	162.0	V	247.0	11.0	22.70	54.00	
21977.530000	31.7	289.0	V	346.0	11.2	36.45	68.20	
23391.520000	41.4	246.0	V	149.0	11.6	26.75	68.20	
25259.910000	30.9	168.0	V	63.0	11.8	37.28	68.20	
25382.350000	30.7	205.0	H	323.0	11.8	37.48	68.20	
26251.650000	33.3	143.0	H	142.0	12.5	34.94	68.20	

Final Result 1 - 5660MHz 20MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18851.830000	45.0	155.0	V	284.0	10.4	29.00	74.00	
20880.060000	43.5	217.0	V	154.0	11.0	30.51	74.00	
21928.270000	45.8	234.0	H	230.0	11.2	22.45	68.20	
23121.620000	48.1	136.0	H	231.0	11.6	20.10	68.20	
25168.260000	45.6	204.0	H	317.0	11.8	22.59	68.20	
25151.270000	43.9	234.0	H	215.0	11.8	24.26	68.20	
26235.960000	44.8	187.0	H	243.0	12.5	23.41	68.20	

Final Result 2 - 5660MHz 20MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18851.830000	29.4	155.0	V	284.0	10.4	24.63	54.00	
20880.060000	30.8	217.0	V	154.0	11.0	23.20	54.00	
21928.270000	31.3	234.0	H	230.0	11.2	36.95	68.20	
23121.620000	41.8	136.0	H	231.0	11.6	26.44	68.20	
25168.260000	31.1	204.0	H	317.0	11.8	37.10	68.20	
25151.270000	31.2	234.0	H	215.0	11.8	37.02	68.20	
26235.960000	31.9	187.0	H	243.0	12.5	36.34	68.20	

Final Result 1 - 5510MHz 40MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18713.820000	44.8	151.0	V	265.0	10.4	29.19	74.00	
20823.000000	46.3	298.0	V	319.0	11.0	27.73	74.00	
21875.100000	45.1	142.0	H	172.0	11.2	23.11	68.20	
23117.050000	48.6	288.0	V	211.0	11.6	25.36	74.00	
25123.710000	44.4	206.0	H	239.0	11.8	23.83	68.20	
25379.880000	44.2	115.0	V	186.0	11.8	24.05	68.20	
26250.490000	44.3	112.0	V	240.0	12.5	23.89	68.20	

Final Result 2 - 5510MHz 40MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18713.820000	29.9	151.0	V	265.0	10.4	24.13	54.00	
20823.000000	30.0	298.0	V	319.0	11.0	23.98	54.00	
21875.100000	31.3	142.0	H	172.0	11.2	36.94	68.20	
23117.050000	41.3	288.0	V	211.0	11.6	12.69	54.00	
25123.710000	33.4	206.0	H	239.0	11.8	34.81	68.20	
25379.880000	31.1	115.0	V	186.0	11.8	37.15	68.20	
26250.490000	33.5	112.0	V	240.0	12.5	34.72	68.20	

Final Result 1 - 5590MHz 40MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18870.790000	42.6	193.0	H	207.0	10.4	31.42	74.00	
20794.010000	45.6	147.0	H	68.0	11.0	28.37	74.00	
22082.590000	44.8	115.0	H	268.0	11.2	29.17	74.00	
23107.460000	50.7	132.0	H	98.0	11.6	23.28	74.00	
25389.560000	46.3	297.0	H	223.0	11.8	21.86	68.20	
25183.550000	45.9	139.0	V	26.0	11.8	22.33	68.20	
26484.300000	46.2	178.0	H	236.0	12.5	21.95	68.20	

Final Result 2 - 5590MHz 40MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18870.790000	29.8	193.0	H	207.0	10.4	24.16	54.00	
20794.010000	31.5	147.0	H	68.0	11.0	22.50	54.00	
22082.590000	29.5	115.0	H	268.0	11.2	24.50	54.00	
23107.460000	41.1	132.0	H	98.0	11.6	12.88	54.00	
25389.560000	31.9	297.0	H	223.0	11.8	36.29	68.20	
25183.550000	32.4	139.0	V	26.0	11.8	35.78	68.20	
26484.300000	33.4	178.0	H	236.0	12.5	34.83	68.20	

Final Result 1 - 5670MHz 40MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18606.400000	45.1	286.0	V	55.0	10.4	28.91	74.00	
20941.080000	45.8	225.0	H	184.0	11.0	28.19	74.00	
21952.100000	43.3	280.0	H	14.0	11.2	24.90	68.20	
23387.020000	48.7	295.0	H	281.0	11.6	19.51	68.20	
25253.490000	46.0	221.0	V	238.0	11.8	22.21	68.20	
25274.470000	45.9	242.0	V	163.0	11.8	22.33	68.20	
26228.690000	45.9	214.0	V	257.0	12.5	22.25	68.20	

Final Result 2 - 5670MHz 40MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18606.400000	30.0	286.0	V	55.0	10.4	23.98	54.00	
20941.080000	30.6	225.0	H	184.0	11.0	23.36	54.00	
21952.100000	32.2	280.0	H	14.0	11.2	36.00	68.20	
23387.020000	41.3	295.0	H	281.0	11.6	26.94	68.20	
25253.490000	32.4	221.0	V	238.0	11.8	35.77	68.20	
25274.470000	33.1	242.0	V	163.0	11.8	35.08	68.20	
26228.690000	32.8	214.0	V	257.0	12.5	35.41	68.20	

Final Result 1 - 5530MHz 80MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18750.850000	43.0	198.0	V	7.0	10.4	30.98	74.00	
21044.790000	45.5	191.0	V	150.0	11.0	28.54	74.00	
21989.600000	44.1	198.0	V	113.0	11.2	24.15	68.20	
23198.700000	48.3	103.0	V	344.0	11.6	19.91	68.20	
25147.740000	46.5	193.0	H	49.0	11.8	21.73	68.20	
25307.390000	44.0	209.0	H	345.0	11.8	24.24	68.20	
26353.170000	45.4	238.0	H	16.0	12.5	22.83	68.20	

Final Result 2 - 5530MHz 80MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18750.850000	31.1	198.0	V	7.0	10.4	22.87	54.00	
21044.790000	30.4	191.0	V	150.0	11.0	23.60	54.00	
21989.600000	32.1	198.0	V	113.0	11.2	36.12	68.20	
23198.700000	41.4	103.0	V	344.0	11.6	26.79	68.20	
25147.740000	32.4	193.0	H	49.0	11.8	35.77	68.20	
25307.390000	30.6	209.0	H	345.0	11.8	37.61	68.20	
26353.170000	33.7	238.0	H	16.0	12.5	34.49	68.20	

Final Result 1 - 5610MHz 80MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18841.300000	44.4	138.0	V	91.0	10.4	29.60	74.00	
20882.310000	45.2	123.0	H	72.0	11.0	28.78	74.00	
21995.950000	45.2	271.0	V	291.0	11.2	22.99	68.20	
23267.060000	49.8	239.0	V	137.0	11.6	18.42	68.20	
25322.280000	44.7	283.0	H	207.0	11.8	23.55	68.20	
25336.430000	43.9	258.0	V	18.0	11.8	24.27	68.20	
26450.260000	44.4	275.0	H	305.0	12.5	23.75	68.20	

Final Result 2 - 5610MHz 80MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
18841.300000	30.9	138.0	V	91.0	10.4	23.11	54.00	
20882.310000	29.1	123.0	H	72.0	11.0	24.86	54.00	
21995.950000	30.0	271.0	V	291.0	11.2	38.21	68.20	
23267.060000	41.7	239.0	V	137.0	11.6	26.48	68.20	
25322.280000	32.5	283.0	H	207.0	11.8	35.72	68.20	
25336.430000	30.9	258.0	V	18.0	11.8	37.30	68.20	
26450.260000	33.5	275.0	H	305.0	12.5	34.73	68.20	

Radiated Emission Test Report

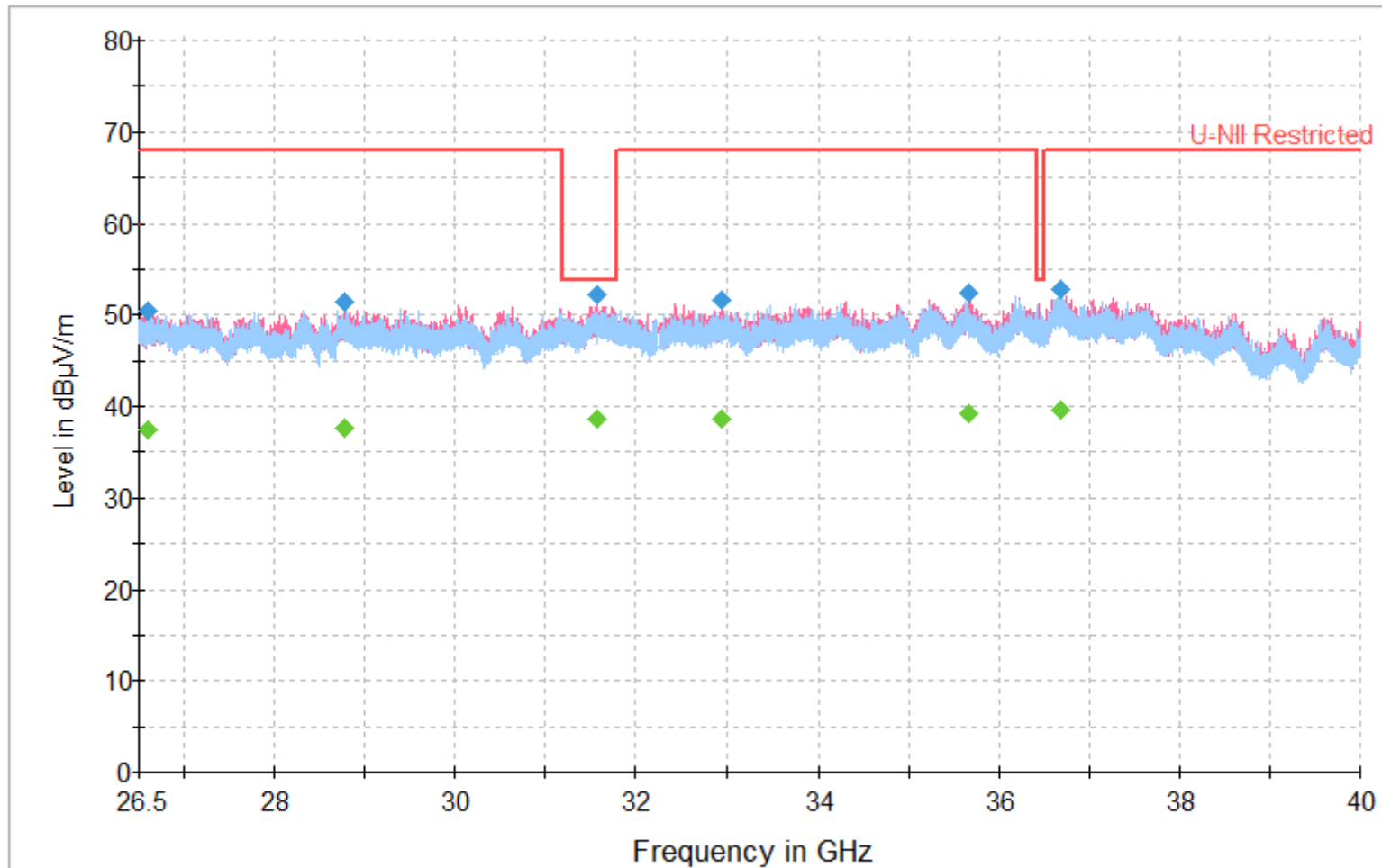
Tested At:**Electro Magnetic Test, Inc.****1547 Plymouth Street****Mountain View, CA 94043****Tel. 650-965-4000****Fax. 650-965-3000****Common Information**

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 - 5260MHz 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 - 5260MHz 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 - 5300MHz 20MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26685.510000	47.4	213.0	H	72.0	0.0	20.83	68.20	
28742.620000	46.7	218.0	H	136.0	0.9	21.53	68.20	
31276.400000	47.8	204.0	H	352.0	0.2	26.20	74.00	
33023.740000	47.4	287.0	H	195.0	-0.3	20.82	68.20	
35699.940000	49.7	299.0	H	265.0	-2.0	18.51	68.20	
36825.150000	49.5	129.0	V	263.0	-0.8	18.67	68.20	

Final Result 2 - 5300MHz 20MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26685.510000	33.9	213.0	H	72.0	0.0	34.32	68.20	
28742.620000	32.8	218.0	H	136.0	0.9	35.38	68.20	
31276.400000	35.2	204.0	H	352.0	0.2	18.78	54.00	
33023.740000	34.3	287.0	H	195.0	-0.3	33.92	68.20	
35699.940000	36.6	299.0	H	265.0	-2.0	31.57	68.20	
36825.150000	35.0	129.0	V	263.0	-0.8	33.19	68.20	

Final Result 1 - 5320MHz 20MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26287.140000	47.7	212.0	H	12.0	0.0	20.54	68.20	
28582.930000	49.0	120.0	H	255.0	0.9	19.17	68.20	
31419.520000	48.9	287.0	H	336.0	0.2	25.07	74.00	
33123.730000	48.5	120.0	V	352.0	-0.3	19.70	68.20	
35549.540000	49.7	144.0	V	200.0	-2.0	18.47	68.20	
36497.740000	48.7	289.0	V	104.0	-0.8	25.28	74.00	

Final Result 2 - 5320MHz 20MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26287.140000	33.5	212.0	H	12.0	0.0	34.66	68.20	
28582.930000	34.5	120.0	H	255.0	0.9	33.75	68.20	
31419.520000	35.4	287.0	H	336.0	0.2	18.64	54.00	
33123.730000	36.2	120.0	V	352.0	-0.3	31.98	68.20	
35549.540000	35.6	144.0	V	200.0	-2.0	32.63	68.20	
36497.740000	36.1	289.0	V	104.0	-0.8	17.87	54.00	

Final Result 1 - 5270MHz 40MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26656.410000	47.6	116.0	V	111.0	0.0	20.61	68.20	
28794.880000	47.1	193.0	H	265.0	0.9	21.08	68.20	
31409.420000	47.9	290.0	V	346.0	0.2	26.15	74.00	
33021.260000	46.9	188.0	V	82.0	-0.3	21.32	68.20	
35612.840000	48.5	250.0	V	62.0	-2.0	19.72	68.20	
36402.170000	48.4	265.0	H	24.0	-0.8	19.84	68.20	

Final Result 2 - 5270MHz 40MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26656.410000	33.5	116.0	V	111.0	0.0	34.66	68.20	
28794.880000	33.2	193.0	H	265.0	0.9	34.98	68.20	
31409.420000	34.0	290.0	V	346.0	0.2	19.99	54.00	
33021.260000	35.4	188.0	V	82.0	-0.3	32.84	68.20	
35612.840000	34.9	250.0	V	62.0	-2.0	33.30	68.20	
36402.170000	36.7	265.0	H	24.0	-0.8	31.50	68.20	

Final Result 1 - 5310MHz 40MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26773.920000	33.0	214.0	V	227.0	0.0	35.17	68.20	
28514.090000	33.2	249.0	H	141.0	0.9	35.00	68.20	
31627.240000	36.6	220.0	H	42.0	0.2	17.38	54.00	
33018.060000	33.9	149.0	H	275.0	-0.3	34.32	68.20	
35781.380000	34.5	237.0	H	233.0	-2.0	33.68	68.20	
36352.350000	34.8	232.0	V	347.0	-0.8	33.37	68.20	

Final Result 2 - 5310MHz 40MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26773.920000	46.2	214.0	V	227.0	0.0	22.02	68.20	
28514.090000	47.1	249.0	H	141.0	0.9	21.10	68.20	
31627.240000	48.1	220.0	H	42.0	0.2	25.86	74.00	
33018.060000	49.0	149.0	H	275.0	-0.3	19.22	68.20	
35781.380000	48.6	237.0	H	233.0	-2.0	19.56	68.20	
36352.350000	49.7	232.0	V	347.0	-0.8	18.45	68.20	

Final Result 1 - 5290MHz 80MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26348.570000	47.0	255.0	H	340.0	0.0	21.19	68.20	
28826.460000	47.9	102.0	V	231.0	0.9	20.28	68.20	
31238.200000	50.0	288.0	V	275.0	0.2	23.96	74.00	
33165.940000	46.8	193.0	H	215.0	-0.3	21.35	68.20	
35751.490000	47.7	104.0	H	248.0	-2.0	20.52	68.20	
36453.450000	50.5	106.0	H	253.0	-0.8	23.54	74.00	

Final Result 2 - 5290MHz 80MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26348.570000	35.2	255.0	H	340.0	0.0	32.97	68.20	
28826.460000	34.9	102.0	V	231.0	0.9	33.28	68.20	
31238.200000	35.5	288.0	V	275.0	0.2	18.52	54.00	
33165.940000	33.9	193.0	H	215.0	-0.3	34.28	68.20	
35751.490000	36.4	104.0	H	248.0	-2.0	31.77	68.20	
36453.450000	34.9	106.0	H	253.0	-0.8	19.10	54.00	

Final Result 1 - 5500MHz 20MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26687.490000	47.6	107.0	V	132.0	0.0	20.60	68.20	
28627.120000	46.7	238.0	H	144.0	0.9	21.51	68.20	
31652.300000	48.0	125.0	H	26.0	0.2	26.00	74.00	
32566.960000	49.2	242.0	V	269.0	-0.3	19.01	68.20	
35919.290000	48.8	284.0	H	236.0	-2.0	19.44	68.20	
36760.650000	50.0	138.0	H	329.0	-0.8	18.25	68.20	

Final Result 2 - 5500MHz 20MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26687.490000	34.6	107.0	V	132.0	0.0	33.57	68.20	
28627.120000	34.4	238.0	H	144.0	0.9	33.78	68.20	
31652.300000	33.7	125.0	H	26.0	0.2	20.27	54.00	
32566.960000	35.1	242.0	V	269.0	-0.3	33.11	68.20	
35919.290000	36.1	284.0	H	236.0	-2.0	32.08	68.20	
36760.650000	34.7	138.0	H	329.0	-0.8	33.46	68.20	

Final Result 1 - 5580MHz 20MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26218.610000	47.1	246.0	H	292.0	0.0	21.11	68.20	
29012.240000	47.1	275.0	V	164.0	0.9	21.13	68.20	
31443.960000	48.2	168.0	V	191.0	0.2	25.83	74.00	
32756.980000	48.3	217.0	V	309.0	-0.3	19.87	68.20	
35612.920000	49.6	172.0	V	74.0	-2.0	18.63	68.20	
36529.140000	50.7	115.0	H	296.0	-0.8	17.47	68.20	

Final Result 2 - 5580MHz 20MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26218.610000	34.8	246.0	H	292.0	0.0	33.39	68.20	
29012.240000	34.3	275.0	V	164.0	0.9	33.86	68.20	
31443.960000	35.3	168.0	V	191.0	0.2	18.72	54.00	
32756.980000	36.0	217.0	V	309.0	-0.3	32.19	68.20	
35612.920000	34.5	172.0	V	74.0	-2.0	33.71	68.20	
36529.140000	36.7	115.0	H	296.0	-0.8	31.46	68.20	

Final Result 1 - 5660MHz 20MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26493.220000	48.2	158.0	V	270.0	0.0	20.00	68.20	
28645.390000	48.0	184.0	V	306.0	0.9	20.25	68.20	
31180.870000	49.9	215.0	V	357.0	0.2	18.30	68.20	
33075.760000	48.5	216.0	H	115.0	-0.3	19.75	68.20	
35677.500000	49.1	265.0	V	177.0	-2.0	19.15	68.20	
36492.810000	50.4	112.0	V	174.0	-0.8	23.61	74.00	

Final Result 2 - 5660MHz 20MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26493.220000	32.6	158.0	V	270.0	0.0	35.61	68.20	
28645.390000	33.0	184.0	V	306.0	0.9	35.19	68.20	
31180.870000	35.5	215.0	V	357.0	0.2	32.67	68.20	
33075.760000	34.3	216.0	H	115.0	-0.3	33.91	68.20	
35677.500000	36.7	265.0	V	177.0	-2.0	31.53	68.20	
36492.810000	35.4	112.0	V	174.0	-0.8	18.63	54.00	

Final Result 1 - 5510MHz 40MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26811.790000	46.8	183.0	V	96.0	0.0	21.40	68.20	
28955.460000	46.4	279.0	H	234.0	0.9	21.75	68.20	
31817.170000	48.8	212.0	V	231.0	0.2	19.41	68.20	
32966.040000	47.6	187.0	H	134.0	-0.3	20.64	68.20	
35968.030000	47.5	119.0	V	94.0	-2.0	20.75	68.20	
36708.190000	48.2	173.0	V	314.0	-0.8	20.02	68.20	

Final Result 2 - 5510MHz 40MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26811.790000	34.2	183.0	V	96.0	0.0	33.99	68.20	
28955.460000	34.3	279.0	H	234.0	0.9	33.92	68.20	
31817.170000	35.6	212.0	V	231.0	0.2	32.65	68.20	
32966.040000	36.4	187.0	H	134.0	-0.3	31.80	68.20	
35968.030000	36.8	119.0	V	94.0	-2.0	31.38	68.20	
36708.190000	35.2	173.0	V	314.0	-0.8	33.00	68.20	

Final Result 1 - 5590MHz 40MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26671.420000	45.8	288.0	H	160.0	0.0	22.43	68.20	
29001.120000	49.4	223.0	H	75.0	0.9	18.85	68.20	
31712.940000	49.3	209.0	H	19.0	0.2	24.72	74.00	
33054.030000	49.4	205.0	V	253.0	-0.3	18.78	68.20	
35685.310000	49.9	294.0	V	194.0	-2.0	18.34	68.20	
36716.310000	49.2	290.0	H	61.0	-0.8	19.01	68.20	

Final Result 2 - 5590MHz 40MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26671.420000	34.4	288.0	H	160.0	0.0	33.84	68.20	
29001.120000	34.6	223.0	H	75.0	0.9	33.57	68.20	
31712.940000	35.2	209.0	H	19.0	0.2	18.77	54.00	
33054.030000	33.8	205.0	V	253.0	-0.3	34.39	68.20	
35685.310000	34.8	294.0	V	194.0	-2.0	33.36	68.20	
36716.310000	35.5	290.0	H	61.0	-0.8	32.69	68.20	

Final Result 1 - 5670MHz 40MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26789.930000	34.8	255.0	H	257.0	0.0	33.43	68.20	
28885.390000	35.3	207.0	V	40.0	0.9	32.90	68.20	
31633.600000	36.0	209.0	H	101.0	0.2	17.97	54.00	
33197.650000	35.7	254.0	V	215.0	-0.3	32.45	68.20	
35856.530000	36.3	119.0	V	230.0	-2.0	31.87	68.20	
36767.270000	36.6	260.0	V	307.0	-0.8	31.59	68.20	

Final Result 2 - 5670MHz 40MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26789.930000	48.3	255.0	H	257.0	0.0	19.91	68.20	
28885.390000	46.6	207.0	V	40.0	0.9	21.60	68.20	
31633.600000	47.5	209.0	H	101.0	0.2	26.54	74.00	
33197.650000	48.3	254.0	V	215.0	-0.3	19.87	68.20	
35856.530000	47.7	119.0	V	230.0	-2.0	20.52	68.20	
36767.270000	48.7	260.0	V	307.0	-0.8	19.45	68.20	

Final Result 1 - 5530MHz 80MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26889.220000	47.7	134.0	V	335.0	0.0	20.47	68.20	
28846.710000	47.1	296.0	H	357.0	0.9	21.12	68.20	
31805.860000	47.2	123.0	V	282.0	0.2	20.97	68.20	
33036.670000	48.1	194.0	V	303.0	-0.3	20.15	68.20	
35946.160000	49.5	257.0	V	303.0	-2.0	18.66	68.20	
36832.310000	50.7	288.0	V	119.0	-0.8	17.49	68.20	

Final Result 2 - 5530MHz 80MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26889.220000	35.3	134.0	V	335.0	0.0	32.92	68.20	
28846.710000	35.3	296.0	H	357.0	0.9	32.94	68.20	
31805.860000	34.1	123.0	V	282.0	0.2	34.06	68.20	
33036.670000	33.9	194.0	V	303.0	-0.3	34.28	68.20	
35946.160000	34.4	257.0	V	303.0	-2.0	33.84	68.20	
36832.310000	36.5	288.0	V	119.0	-0.8	31.75	68.20	

Final Result 1 - 5610MHz 80MHz Dipole

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26860.250000	46.2	142.0	V	213.0	0.0	22.02	68.20	
28942.960000	46.6	110.0	H	183.0	0.9	21.63	68.20	
31667.160000	47.8	242.0	H	272.0	0.2	26.24	74.00	
33187.470000	49.3	159.0	V	32.0	-0.3	18.92	68.20	
35788.700000	48.6	215.0	V	327.0	-2.0	19.58	68.20	
36872.360000	50.1	220.0	H	300.0	-0.8	18.06	68.20	

Final Result 2 - 5610MHz 80MHz Dipole

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26860.250000	33.8	142.0	V	213.0	0.0	34.38	68.20	
28942.960000	35.6	110.0	H	183.0	0.9	32.64	68.20	
31667.160000	35.0	242.0	H	272.0	0.2	18.96	54.00	
33187.470000	34.1	159.0	V	32.0	-0.3	34.15	68.20	
35788.700000	36.2	215.0	V	327.0	-2.0	31.99	68.20	
36872.360000	37.3	220.0	H	300.0	-0.8	30.91	68.20	

Final Result 1 - 5260MHz 20MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26702.520000	48.0	111.0	H	99.0	0.0	20.15	68.20	
28872.260000	48.9	287.0	V	117.0	0.9	19.33	68.20	
31682.880000	48.0	232.0	V	182.0	0.2	26.02	74.00	
32949.090000	47.7	291.0	H	83.0	-0.3	20.45	68.20	
35946.010000	47.5	154.0	H	177.0	-2.0	20.73	68.20	
36822.720000	49.0	159.0	V	17.0	-0.8	19.20	68.20	

Final Result 2 - 5260MHz 20MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26702.520000	33.7	111.0	H	99.0	0.0	34.47	68.20	
28872.260000	32.8	287.0	V	117.0	0.9	35.42	68.20	
31682.880000	35.8	232.0	V	182.0	0.2	18.17	54.00	
32949.090000	35.3	291.0	H	83.0	-0.3	32.88	68.20	
35946.010000	34.9	154.0	H	177.0	-2.0	33.29	68.20	
36822.720000	35.9	159.0	V	17.0	-0.8	32.30	68.20	

Final Result 1 - 5300MHz 20MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26668.070000	45.7	133.0	H	331.0	0.0	22.45	68.20	
28792.770000	49.3	269.0	V	64.0	0.9	18.87	68.20	
31806.610000	48.1	219.0	H	21.0	0.2	20.15	68.20	
33217.350000	47.9	259.0	V	153.0	-0.3	20.33	68.20	
35847.990000	48.1	251.0	H	81.0	-2.0	20.14	68.20	
36914.250000	50.7	159.0	H	327.0	-0.8	17.50	68.20	

Final Result 2 - 5300MHz 20MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26668.070000	32.9	133.0	H	331.0	0.0	35.27	68.20	
28792.770000	33.2	269.0	V	64.0	0.9	34.95	68.20	
31806.610000	34.3	219.0	H	21.0	0.2	33.88	68.20	
33217.350000	35.1	259.0	V	153.0	-0.3	33.08	68.20	
35847.990000	37.1	251.0	H	81.0	-2.0	31.11	68.20	
36914.250000	37.5	159.0	H	327.0	-0.8	30.68	68.20	

Final Result 1 - 5320MHz 20MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26783.810000	48.5	265.0	H	0.0	0.0	19.71	68.20	
29022.980000	48.7	250.0	H	192.0	0.9	19.55	68.20	
31790.780000	50.0	173.0	V	67.0	0.2	24.03	74.00	
33017.520000	47.8	204.0	H	149.0	-0.3	20.41	68.20	
35725.720000	50.4	166.0	H	38.0	-2.0	17.83	68.20	
36835.370000	49.4	186.0	V	31.0	-0.8	18.80	68.20	

Final Result 2 - 5320MHz 20MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26783.810000	35.1	265.0	H	0.0	0.0	33.10	68.20	
29022.980000	34.2	250.0	H	192.0	0.9	34.00	68.20	
31790.780000	35.1	173.0	V	67.0	0.2	18.90	54.00	
33017.520000	36.2	204.0	H	149.0	-0.3	32.03	68.20	
35725.720000	35.5	166.0	H	38.0	-2.0	32.67	68.20	
36835.370000	35.3	186.0	V	31.0	-0.8	32.89	68.20	

Final Result 1 - 5270MHz 40MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26623.130000	48.4	112.0	H	333.0	0.0	19.80	68.20	
28889.830000	48.4	273.0	H	327.0	0.9	19.82	68.20	
31772.350000	48.8	276.0	H	234.0	0.2	25.18	74.00	
33013.720000	46.9	115.0	H	145.0	-0.3	21.34	68.20	
35929.970000	50.0	294.0	V	38.0	-2.0	18.24	68.20	
36742.840000	49.1	120.0	H	29.0	-0.8	19.14	68.20	

Final Result 2 - 5270MHz 40MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26623.130000	34.3	112.0	H	333.0	0.0	33.94	68.20	
28889.830000	34.8	273.0	H	327.0	0.9	33.44	68.20	
31772.350000	36.4	276.0	H	234.0	0.2	17.64	54.00	
33013.720000	34.1	115.0	H	145.0	-0.3	34.08	68.20	
35929.970000	34.4	294.0	V	38.0	-2.0	33.80	68.20	
36742.840000	35.5	120.0	H	29.0	-0.8	32.67	68.20	

Final Result 1 - 5310MHz 40MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26695.290000	46.5	299.0	H	139.0	0.0	21.74	68.20	
28912.440000	48.1	194.0	H	310.0	0.9	20.15	68.20	
31828.660000	49.9	143.0	V	92.0	0.2	18.29	68.20	
33116.810000	47.6	227.0	V	211.0	-0.3	20.61	68.20	
35767.610000	49.5	144.0	V	255.0	-2.0	18.75	68.20	
36887.380000	50.0	107.0	V	242.0	-0.8	18.15	68.20	

Final Result 2 - 5310MHz 40MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26695.290000	33.6	299.0	H	139.0	0.0	34.63	68.20	
28912.440000	35.6	194.0	H	310.0	0.9	32.55	68.20	
31828.660000	34.5	143.0	V	92.0	0.2	33.71	68.20	
33116.810000	34.1	227.0	V	211.0	-0.3	34.08	68.20	
35767.610000	36.7	144.0	V	255.0	-2.0	31.50	68.20	
36887.380000	36.4	107.0	V	242.0	-0.8	31.75	68.20	

Final Result 1 - 5290MHz 80MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26721.580000	45.8	131.0	V	282.0	0.0	22.40	68.20	
29013.760000	46.7	260.0	H	229.0	0.9	21.51	68.20	
31602.990000	50.0	109.0	V	163.0	0.2	23.97	74.00	
33068.540000	49.1	277.0	H	315.0	-0.3	19.13	68.20	
35777.950000	50.0	162.0	V	181.0	-2.0	18.23	68.20	
36684.920000	50.5	117.0	H	116.0	-0.8	17.72	68.20	

Final Result 2 - 5290MHz 80MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26721.580000	34.9	131.0	V	282.0	0.0	33.34	68.20	
29013.760000	33.8	260.0	H	229.0	0.9	34.43	68.20	
31602.990000	35.4	109.0	V	163.0	0.2	18.59	54.00	
33068.540000	36.4	277.0	H	315.0	-0.3	31.76	68.20	
35777.950000	37.0	162.0	V	181.0	-2.0	31.19	68.20	
36684.920000	37.4	117.0	H	116.0	-0.8	30.78	68.20	

Final Result 1 - 5500MHz 20MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26807.740000	46.8	251.0	H	343.0	0.0	21.38	68.20	
28900.450000	46.9	103.0	V	33.0	0.9	21.30	68.20	
31653.300000	49.4	286.0	V	294.0	0.2	24.61	74.00	
33232.020000	48.4	270.0	H	33.0	-0.3	19.79	68.20	
35813.340000	47.9	222.0	H	261.0	-2.0	20.34	68.20	
36895.950000	48.7	165.0	V	345.0	-0.8	19.46	68.20	

Final Result 2 - 5500MHz 20MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26807.740000	34.1	251.0	H	343.0	0.0	34.06	68.20	
28900.450000	33.9	103.0	V	33.0	0.9	34.29	68.20	
31653.300000	36.4	286.0	V	294.0	0.2	17.62	54.00	
33232.020000	34.6	270.0	H	33.0	-0.3	33.64	68.20	
35813.340000	34.3	222.0	H	261.0	-2.0	33.92	68.20	
36895.950000	37.5	165.0	V	345.0	-0.8	30.75	68.20	

Final Result 1 - 5580MHz 20MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26738.710000	47.5	228.0	H	74.0	0.0	20.67	68.20	
29016.330000	47.1	274.0	H	319.0	0.9	21.06	68.20	
31693.570000	50.2	237.0	H	102.0	0.2	23.80	74.00	
32960.880000	48.8	232.0	H	313.0	-0.3	19.39	68.20	
35826.660000	49.6	104.0	H	120.0	-2.0	18.58	68.20	
36703.210000	49.1	180.0	H	254.0	-0.8	19.08	68.20	

Final Result 2 - 5580MHz 20MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26738.710000	34.2	228.0	H	74.0	0.0	34.00	68.20	
29016.330000	34.1	274.0	H	319.0	0.9	34.07	68.20	
31693.570000	35.4	237.0	H	102.0	0.2	18.59	54.00	
32960.880000	35.5	232.0	H	313.0	-0.3	32.72	68.20	
35826.660000	34.8	104.0	H	120.0	-2.0	33.44	68.20	
36703.210000	35.2	180.0	H	254.0	-0.8	32.96	68.20	

Final Result 1 - 5660MHz 20MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26775.250000	47.8	191.0	H	83.0	0.0	20.44	68.20	
28815.420000	48.8	204.0	V	115.0	0.9	19.44	68.20	
31872.350000	48.2	109.0	V	303.0	0.2	19.96	68.20	
33021.210000	48.9	224.0	H	120.0	-0.3	19.25	68.20	
35891.110000	49.1	100.0	H	39.0	-2.0	19.12	68.20	
36699.130000	48.8	175.0	V	276.0	-0.8	19.39	68.20	

Final Result 2 - 5660MHz 20MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26775.250000	34.1	191.0	H	83.0	0.0	34.08	68.20	
28815.420000	33.1	204.0	V	115.0	0.9	35.10	68.20	
31872.350000	34.7	109.0	V	303.0	0.2	33.52	68.20	
33021.210000	36.5	224.0	H	120.0	-0.3	31.69	68.20	
35891.110000	35.3	100.0	H	39.0	-2.0	32.91	68.20	
36699.130000	35.7	175.0	V	276.0	-0.8	32.54	68.20	

Final Result 1 - 5510MHz 40MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26624.820000	48.3	225.0	V	47.0	0.0	19.95	68.20	
29011.130000	47.8	224.0	V	69.0	0.9	20.41	68.20	
31878.200000	47.6	259.0	H	347.0	0.2	20.61	68.20	
33130.340000	46.9	281.0	H	146.0	-0.3	21.28	68.20	
35835.600000	47.9	197.0	V	38.0	-2.0	20.29	68.20	
36788.620000	48.5	293.0	H	305.0	-0.8	19.69	68.20	

Final Result 2 - 5510MHz 40MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26624.820000	32.4	225.0	V	47.0	0.0	35.79	68.20	
29011.130000	34.2	224.0	V	69.0	0.9	34.00	68.20	
31878.200000	36.1	259.0	H	347.0	0.2	32.10	68.20	
33130.340000	35.5	281.0	H	146.0	-0.3	32.70	68.20	
35835.600000	36.6	197.0	V	38.0	-2.0	31.60	68.20	
36788.620000	37.4	293.0	H	305.0	-0.8	30.80	68.20	

Final Result 1 - 5590MHz 40MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26645.630000	47.3	165.0	V	3.0	0.0	20.94	68.20	
28964.700000	47.0	186.0	H	312.0	0.9	21.18	68.20	
31621.320000	47.9	217.0	H	188.0	0.2	26.05	74.00	
32939.010000	47.2	232.0	V	239.0	-0.3	21.02	68.20	
35747.740000	50.1	120.0	H	123.0	-2.0	18.09	68.20	
36871.730000	50.3	292.0	H	212.0	-0.8	17.88	68.20	

Final Result 2 - 5590MHz 40MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26645.630000	34.5	165.0	V	3.0	0.0	33.73	68.20	
28964.700000	35.1	186.0	H	312.0	0.9	33.07	68.20	
31621.320000	35.3	217.0	H	188.0	0.2	18.73	54.00	
32939.010000	34.5	232.0	V	239.0	-0.3	33.74	68.20	
35747.740000	36.6	120.0	H	123.0	-2.0	31.60	68.20	
36871.730000	35.3	292.0	H	212.0	-0.8	32.90	68.20	

Final Result 1 - 5670MHz 40MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26807.020000	46.0	183.0	H	186.0	0.0	22.15	68.20	
28963.600000	49.3	100.0	H	121.0	0.9	18.88	68.20	
31792.560000	49.5	145.0	V	101.0	0.2	24.52	74.00	
33064.580000	49.4	123.0	V	236.0	-0.3	18.84	68.20	
35798.150000	48.3	106.0	V	39.0	-2.0	19.89	68.20	
36811.610000	49.5	214.0	H	204.0	-0.8	18.68	68.20	

Final Result 2 - 5670MHz 40MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26807.020000	33.6	183.0	H	186.0	0.0	34.64	68.20	
28963.600000	34.4	100.0	H	121.0	0.9	33.77	68.20	
31792.560000	36.0	145.0	V	101.0	0.2	17.99	54.00	
33064.580000	35.4	123.0	V	236.0	-0.3	32.82	68.20	
35798.150000	34.5	106.0	V	39.0	-2.0	33.66	68.20	
36811.610000	35.9	214.0	H	204.0	-0.8	32.33	68.20	

Final Result 1 - 5530MHz 80MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26816.950000	45.6	210.0	H	58.0	0.0	22.59	68.20	
28923.390000	47.6	222.0	V	203.0	0.9	20.56	68.20	
31763.980000	50.1	151.0	H	185.0	0.2	23.95	74.00	
33047.310000	47.6	215.0	V	320.0	-0.3	20.56	68.20	
35761.550000	49.8	163.0	H	322.0	-2.0	18.35	68.20	
36691.430000	49.7	134.0	V	26.0	-0.8	18.48	68.20	

Final Result 2 - 5530MHz 80MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26816.950000	34.6	210.0	H	58.0	0.0	33.59	68.20	
28923.390000	35.7	222.0	V	203.0	0.9	32.53	68.20	
31763.980000	34.7	151.0	H	185.0	0.2	19.31	54.00	
33047.310000	34.7	215.0	V	320.0	-0.3	33.48	68.20	
35761.550000	35.2	163.0	H	322.0	-2.0	32.97	68.20	
36691.430000	34.6	134.0	V	26.0	-0.8	33.55	68.20	

Final Result 1 - 5610MHz 80MHz Horn

Frequency (MHz)	MaxPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26660.340000	46.0	137.0	V	336.0	0.0	22.15	68.20	
28848.180000	46.9	294.0	V	350.0	0.9	21.30	68.20	
31611.010000	49.1	214.0	H	124.0	0.2	24.88	74.00	
33167.860000	46.6	165.0	H	173.0	-0.3	21.55	68.20	
35750.840000	49.4	250.0	H	291.0	-2.0	18.76	68.20	
36875.770000	49.3	163.0	V	347.0	-0.8	18.85	68.20	

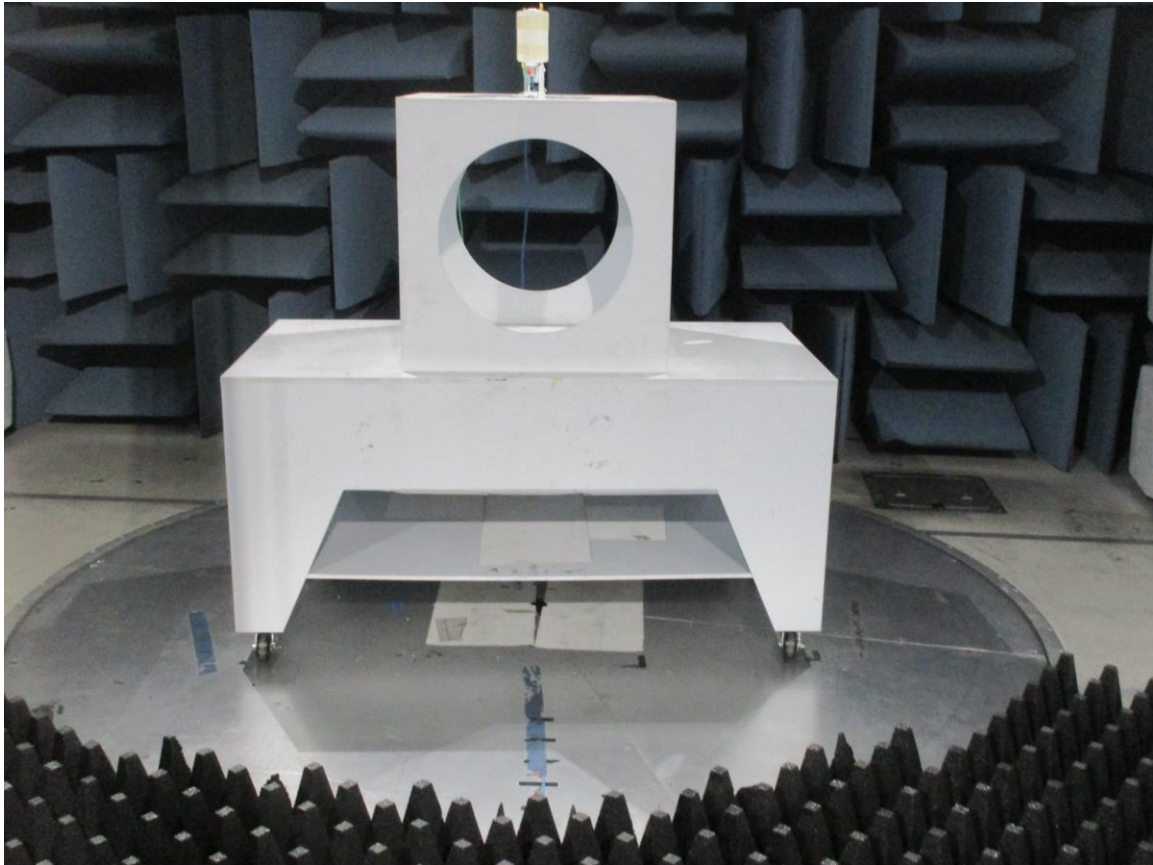
Final Result 2 - 5610MHz 80MHz Horn

Frequency (MHz)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Comment
26660.340000	34.7	137.0	V	336.0	0.0	33.52	68.20	
28848.180000	33.4	294.0	V	350.0	0.9	34.79	68.20	
31611.010000	34.3	214.0	H	124.0	0.2	19.65	54.00	
33167.860000	34.9	165.0	H	173.0	-0.3	33.25	68.20	
35750.840000	35.6	250.0	H	291.0	-2.0	32.57	68.20	
36875.770000	36.1	163.0	V	347.0	-0.8	32.07	68.20	



ELECTRO MAGNETIC TEST, INC.

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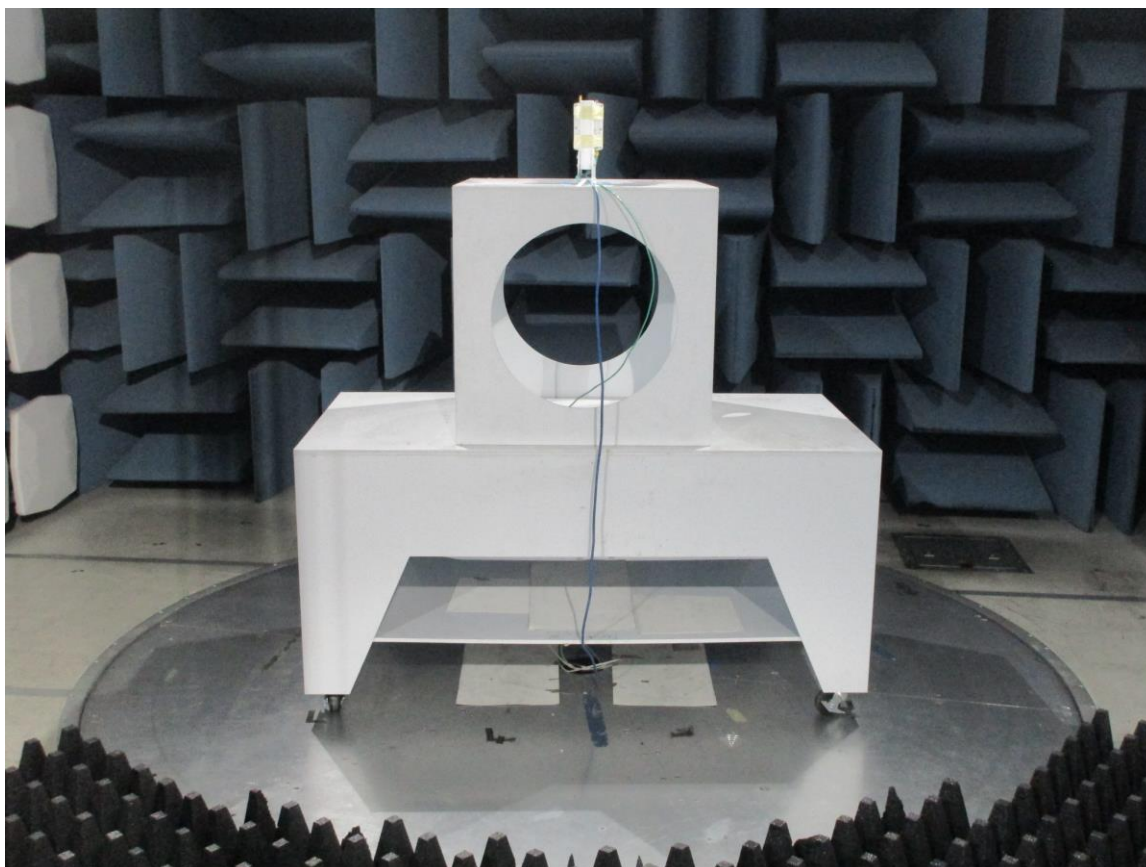
CISPR 22/FCC Class A – Radiated Emissions (>1GHz)

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
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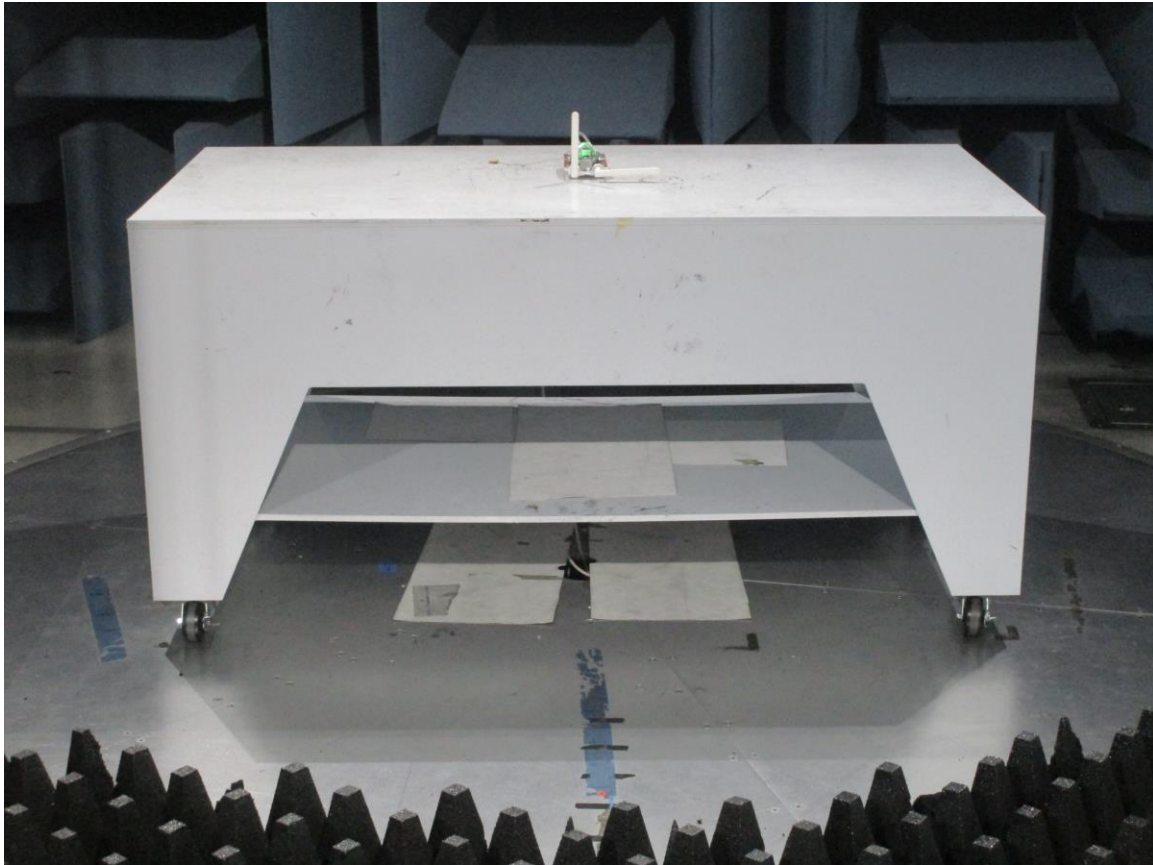
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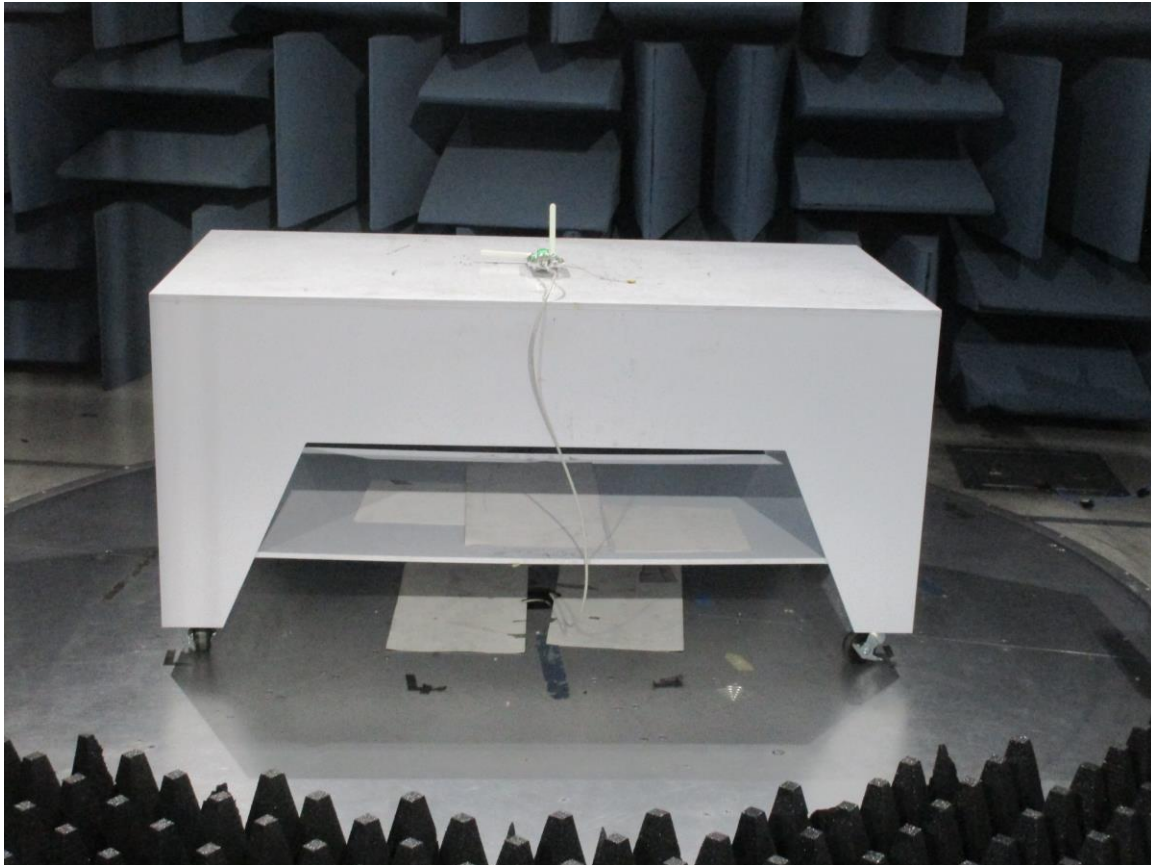
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