

FCC / ISED Test Report

FOR:

Lucid USA, Inc.

Model Name:

P11-K2B000

Product Description:

Center Console Controller (CCC)

FCC ID: 2AXZJ-K2B000

Applied Rules and Standards: 47 CFR Part 15.407 (NII) & 5 GHz (UNII)

REPORT #: EMC_LUCID-004-21001_15.407_Rev1

DATE: 2021-08-16



A2LA Accredited

IC recognized # 3462B-1

CETECOM Inc.

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1 Assessment

The following device was evaluated against the applicable criteria specified in FCC rule Parts 15.407 in CFR 47.

FCC ID: 2AXZJ-K2B000

No deviations were ascertained.

Company	Description	Model #
Lucid USA, Inc.	Center Console Controller (CCC)	P11-K2B000

Responsible for Testing Laboratory:

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2021-08-16	Compliance	(EMC Lab Manager)	
Date	Section	Name	Signature

Responsible for the Report:

Kris Lazarov

2021-08-16	Compliance	(Senior EMC Engineer)	
Date	Section	Name	Signature

The test results of this test report relate exclusively to the test item specified in Section3.

CETECOM Inc. USA does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item. The test report may only be reproduced or published in full. Reproduction or publication of extracts from the report requires the prior written approval of CETECOM Inc. USA.

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2 Administrative Data

2.1 Identification of the Testing Laboratory Issuing the EMC Test Report

Company Name:	CETECOM Inc.
Department:	Compliance
Street Address:	411 Dixon Landing Road
City/Zip Code	Milpitas, CA 95035
Country	USA
Telephone:	+1 (408) 586 6200
Fax:	+1 (408) 586 6299
EMC Lab Manager:	Kevin Wang
Responsible Project Leader:	Akanksha Baskaran

2.2 Identification of the Client

Applicant's Name:	Lucid USA, Inc.
Street Address:	7373 Gateway Blvd
City/Zip Code	Newark, CA 94560
Country	United States

2.3 Identification of the Manufacturer

Manufacturer's Name:	Same as the client
Manufacturers Address:	
City/Zip Code	
Country	



3 Equipment Under Test (EUT)

3.1 EUT Specifications

Model No:	P11-K2B000		
HW Version :	01		
SW Version :	01		
FCC-ID:	2AXZJ-K2B000		
Product Description:	Center Console Controller (CCC)		
Radio Module:	Ublox Model: JODY-W164-03A-01; FC0	C ID: XPYJODYW164	
	Frequency Range (MHz)	Channel Number	
	5150-5250	36-48 [4]	
Frequency Range / number of channels:	5250-5350	52-64 [4]	
of chamilets.	5470-5725	100-140 [11]	
	5725-5850	149-165 [5]	
Modes of Operation	802.11a/ac		
Type(s) of Modulation:	BPSK / QPSK / QAM		
Antenna Information as declared:	5 dBi		
Max. Output Power:	15 dBm		
Power Supply/ Rated Operating Voltage Range:			
Operating Temperature Range	-40 °C to 85 °C		
Other Radios included in the device:	BDR/DER; BLE		
Sample Revision	□Prototype Unit; ■Production Unit; □Pre-Production		

3.2 EUT Sample details

EUT#	Serial Number	HW Version	SW Version	Notes/Comments
1	2036300016	01	01	

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3.3 Test Sample Configuration

Test Report #:

EUT Set-up # Combination of AE used for test set up		Comments
1	EUT#1	Powered by 12 VDC Car battery

3.4 Mode of Operation details

Mode of Operation	Description
Wi-Fi The radio of the EUT was configured to a fixed channel transmission in Wi-Fi mode with highest possible duty cyclusing confidential test software and scripts (per meta-ublox-modules-2019-11-04 document) provided by the appli	
Wi-Fi + BT	The radio of the EUT was configured to a fixed channel simultaneous transmission in Wi-Fi, BDR mode with highest possible duty cycle using confidential test software and scripts (per meta-ublox-modules-2019-11-04 document) provided by the applicant.

3.5 Justification for Worst Case Mode of Operation

During the testing process, the EUT was tested with transmitter sets on low, mid and high channels, and highest power in 802.11n mode. For radiated measurements, all data in this report shows the worst case between horizontal and vertical antenna polarizations.

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4 Subject of Investigation

The objective of the measurements done by CETECOM Inc. was to assess the performance of the EUT according to the relevant requirements specified in FCC rule Part 15.407 in CFR 47.

This test report is to support a request for new equipment authorization under the FCC ID: 2AXZJ-K2B000. The device was also evaluated operating in cotransmission mode, and found compliant with the above requirement.

5 <u>Measurement Results Summary</u>

Test Specification	Test Case	Temperature and Voltage Conditions	Mode	Pass	NA	NP	Result
§15.407(e)	Emission Bandwidth	Nominal	802.11a/ac				See Note 2
§15.407(a)	Power Spectral Density	Nominal	802.11a/ac			•	See Note 2
§15.407(a)	Maximum Output Power	Nominal	802.11a/ac			•	See Note 2
§15.407; 15.205	Band Edge Compliance	Nominal	802.11a/ac			•	See Note 2
§15.407(b); §15.209; 15.205	Radiated TX Spurious Emissions	Nominal	802.11a/ac + BDR				Complies
§15.207(a)	AC Conducted Emissions	Nominal	802.11a/ac				See Note 3

Note 1: NA= Not Applicable

Note 2: The measurements from modular test report # MDE_UBLOX_1701_FCCb by 7lears GmbH will be leveraged

Note 3: This device does not connect to AC mains network

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6 **Measurement Uncertainty**

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus, with 95% confidence interval (in dB delta to result), based on a coverage factor k=1.

Radiated measurement

9 kHz to 30 MHz ±2.5 dB (Magnetic Loop Antenna) 30 MHz to 1000 MHz ±2.0 dB (Biconilog Antenna) 1 GHz to 40 GHz ±2.3 dB (Horn Antenna)

Conducted measurement

150 kHz to 30 MHz ±0.7 dB (LISN)

RF conducted measurement $\pm 0.5 dB$

According to TR 102 273 a multiplicative propagation of error is assumed for RF measurement systems. For this reason the RMS method is applied to dB values and not to linear values as appropriate for additive propagation of error. Also used: http://physics.nist.gov/cuu/Uncertainty/typeb.html. The above calculated uncertainties apply to direct application of the Substitution method. The Substitution method is always used when the EUT comes closer than 3 dB to the limit.

6.1 **Environmental Conditions During Testing:**

The following environmental conditions were maintained during the course of testing:

- Ambient Temperature: 20-25° C
- Relative humidity: 40-60%

6.2 **Dates of Testing:**

07/02/2021 - 07/06/2021

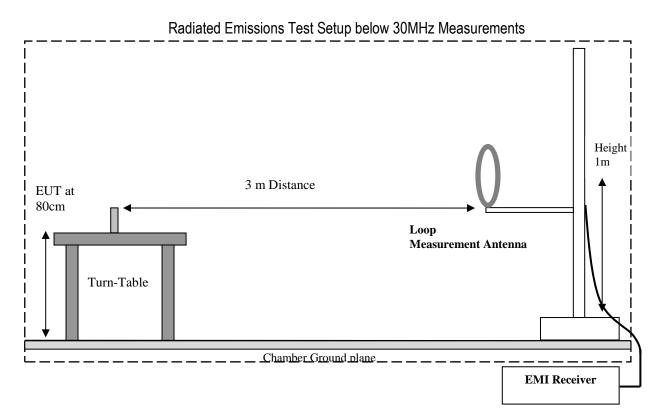


7 <u>Measurement Procedures</u>

7.1 Radiated Measurement

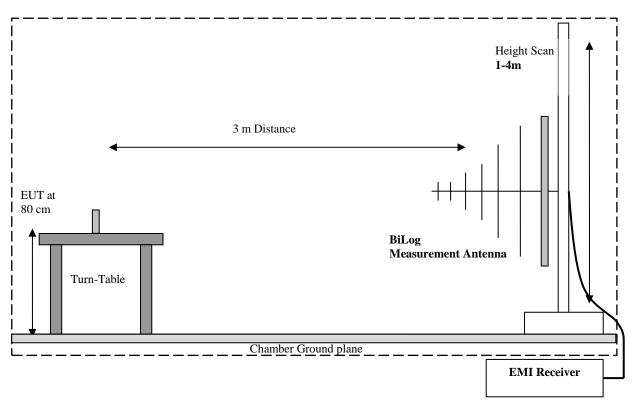
The radiated measurement is performed according to ANSI C63.10 (2013)

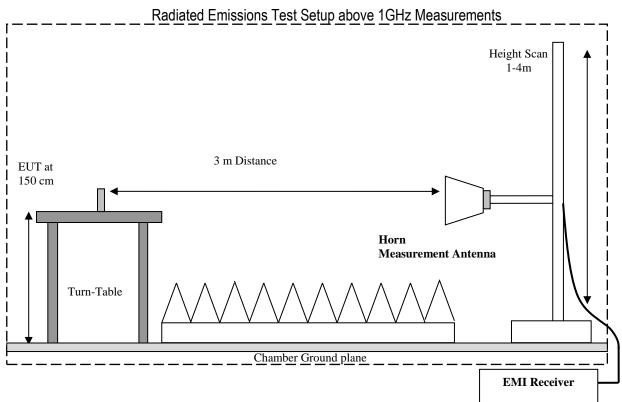
- The exploratory measurement is accomplished by running a matrix of 16 sweeps over the required frequency range with R&S Test-SW EMC32 for 4 positions of the turntable, two orthogonal positions of the EUT and both antenna polarizations. This procedure exceeds the requirement of the above standards to cover the 3 orthogonal axis of the EUT. A max peak detector is utilized during the exploratory measurement. The Test-SW creates an overall maximum trace for all 12 sweeps and saves the settings for each point of this trace. The maximum trace is part of the test report.
- The 10 highest emissions are selected with an automatic algorithm of EMC32 searching for peaks in the noise floor and ensuring that broadband signals are not selected multiple times.
- The maxima are then put through the final measurement and again maximized in a 90deg range of the turntable, fine search in frequency domain and height scan between 1m and 4m.
- The above procedure is repeated for all possible ways of power supply to EUT and for all supported modulations.
- In case there are no emissions above noise floor level only the maximum trace is reported as described above.
- The results are split up into up to 4 frequency ranges due to antenna bandwidth restrictions. A magnetic loop
 is used from 9 kHz to 30 MHz, a Biconilog antenna is used from 30 MHz to 1 GHz, and two different horn
 antennas are used to cover frequencies up to 40 GHz.



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7.1.1 Sample Calculations for Field Strength Measurements

Field Strength is calculated from the Spectrum Analyzer/ Receiver readings, taking into account the following parameters:

- 1. Measured reading in dBµV
- 2. Cable Loss between the receiving antenna and SA in dB and
- 3. Antenna Factor in dB/m

All radiated measurement plots in this report are taken from a test SW that calculates the Field Strength based on the following equation:

FS ($dB\mu V/m$) = Measured Value on SA ($dB\mu V$)+ Cable Loss (dB)+ Antenna Factor (dB/m)

Example:

Frequency (MHz)	Measured SA (dBμV)	Cable Loss (dB)	Antenna Factor Correction (dB)	Field Strength Result (dBµV/m)
1000	80.5	3.5	14	98.0



8 Test Result Data

8.1 Radiated Transmitter Spurious Emissions

8.1.1 Measurement according to ANSI C63.10 (2013)

Spectrum Analyzer Settings:

- Frequency = 9 KHz 30 MHz
- RBW = 9 KHz
- Detector: Peak
- Frequency = 30 MHz 1 GHz
- Detector = Peak / Quasi-Peak
- RBW= 120 KHz (<1GHz)
- Frequency > 1 GHz
- Detector = Peak / Average
- RBW = 1 MHz
- Radiated spurious emissions shall be measured for the transmit frequencies, transmit power, and data rate
 for the lowest, middle and highest channel in each frequency band of operation and for the highest gain
 antenna for each antenna type, and using the appropriate parameters and test requirements.
- The highest (or worst-case) data rate shall be recorded for each measurement.
- For testing at distance other than the specified in the standard, the limit conversion is calculated by using 40 dB/decade extrapolation factor as follow: Conversion factor (CF) = 40 log (D/d) = 40 log (300m / 3m) = 80dB

8.1.2 Limits:

FCC §15.407

- Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.
- The provisions of §15.205 apply to intentional radiators operating under this section.

FCC §15.209

• Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency of emission (MHz)	Field strength (μV/m)	Measurement Distance (m)	Field strength @ 3m (dBµV/m)
0.009-0.490	2400/F(kHz) /	300	-
0.490-1.705	24000/F(kHz) /	30	-
1.705–30.0	30 / (29.5)	30	-
30–88	100	3	40 dBµV/m
88–216	150	3	43.5 dBµV/m
216–960	200	3	46 dBµV/m
Above 960	500	3	54 dBµV/m

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FCC §15.205

• Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
10.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	Above 38.6
13.36-13.41		·	

• Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

8.1.3 Test conditions and setup:

Ambient Temperature	EUT Set-Up #	EUT operating mode	Power Input
22° C	1	Wi-Fi & Wi-Fi + BDR	12 VDC

8.1.4 Measurement result:

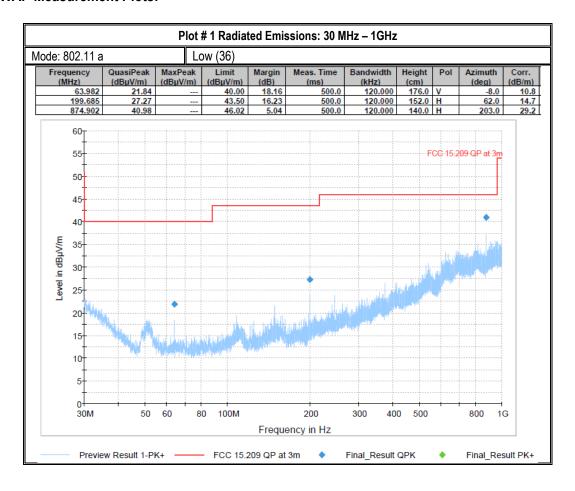
Plot #	EUT Operating Mode	Channel #	Scan Frequency	Limit	Result
1-3	Wi-Fi	Low (36)	30 MHz – 26 GHz	See section 8.1.2	Pass
8	Wi-Fi + BDR	Mid (40)	9 kHz – 40 GHz	See section 8.1.2	Pass
9-11	Wi-Fi	High (48)	30 MHz – 26 GHz	See section 8.1.2	Pass
12-14	Wi-Fi	Low (52)	30 MHz – 26 GHz	See section 8.1.2	Pass
15-19	Wi-Fi + BDR	Mid (60)	9 kHz – 40 GHz	See section 8.1.2	Pass
20-22	Wi-Fi	High (64)	30 MHz – 26 GHz	See section 8.1.2	Pass
23-25	Wi-Fi	Low (100)	30 MHz – 26 GHz	See section 8.1.2	Pass
26-30	Wi-Fi + BDR	Mid (116)	9 kHz – 40 GHz	See section 8.1.2	Pass
31-33	Wi-Fi	High (140)	30 MHz – 26 GHz	See section 8.1.2	Pass
34-36	Wi-Fi	Low (149)	30 MHz – 26 GHz	See section 8.1.2	Pass
37-41	Wi-Fi + BDR	Mid (157)	9 kHz – 40 GHz	See section 8.1.2	Pass
42-44	Wi-Fi	High (165)	30 MHz – 26 GHz	See section 8.1.2	Pass

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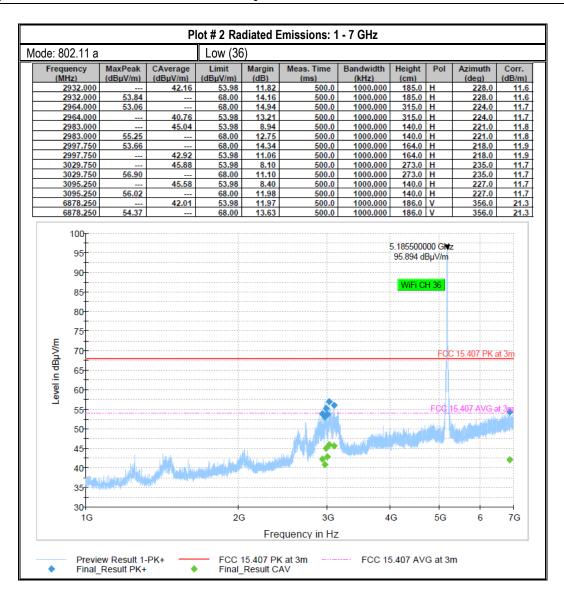
8.1.5 WAP Measurement Plots:



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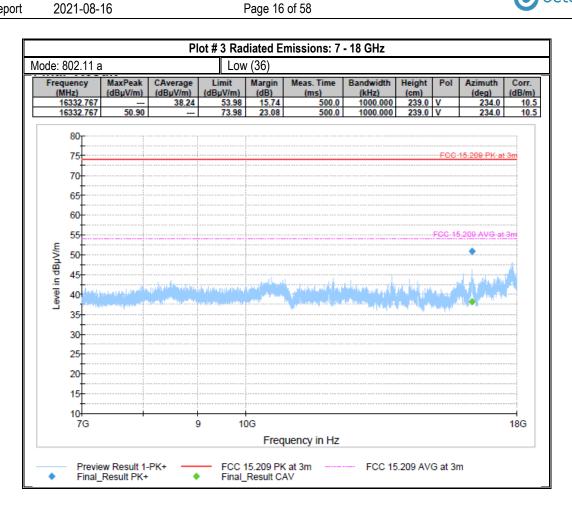


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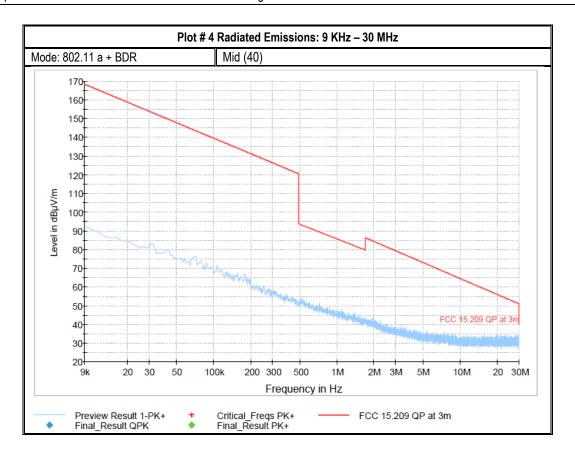
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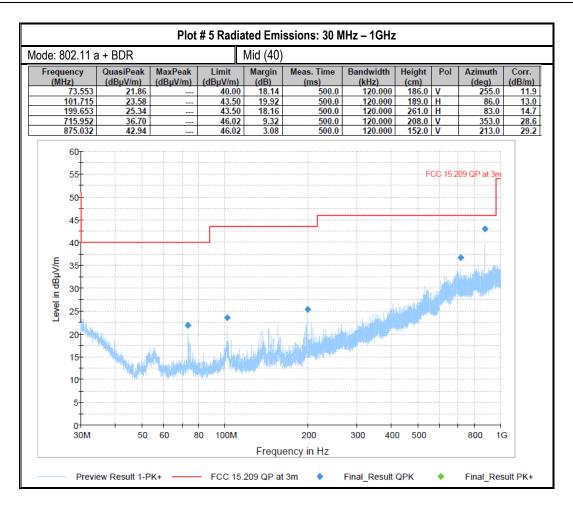




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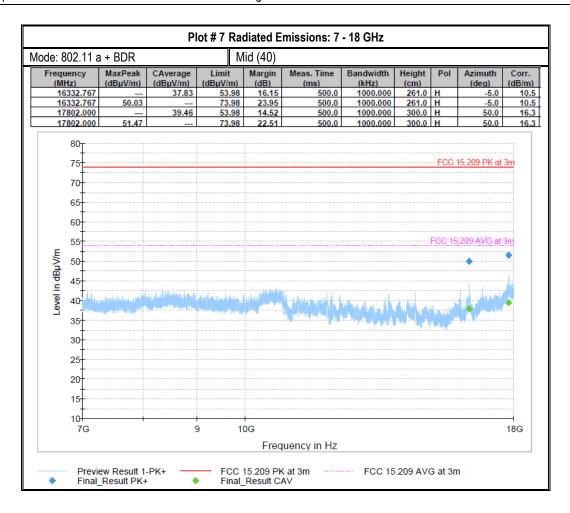


	02.11 a	+ BDR		Mid	l (40)						
Frequ (Mi		MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr.
2	426.000		31.40	53.98	22.58	500.0	1000.000	227.0	٧	-3.0	9.
2	426.000	50.94		68.00	17.06	500.0	1000.000	227.0	V	-3.0	9.4
2	756.750	59.85		68.00	8.15	500.0	1000.000	140.0	V	283.0	11.
	756.750		48.96	53.98	5.02	500.0	1000.000	140.0	V	283.0	11.
	981.000		46.87	53.98	7.11	500.0	1000.000	140.0		305.0	11.8
	981.000	59.02		68.00	8.98	500.0	1000.000	140.0		305.0	11.
	013.750	58.74	40.00	68.00	9.26	500.0	1000.000	140.0		307.0	11.8
	013.750 027.500		48.36 49.56	53.98 53.98	5.62 4.42	500.0 500.0	1000.000	140.0 209.0		307.0 299.0	11.8
	027.500	59.58	49.56	68.00	8.42	500.0	1000.000	209.0		299.0	11.7
	060.250	35,30	49.49	53.98	4.49	500.0	1000.000	140.0		306.0	11.9
	060.250	58.26		68.00	9.74	500.0	1000.000	140.0		306.0	11.9
	983.500		42.08	53.98	11.90	500.0	1000,000	265.0		10.0	21.4
	983.500	54.88		68.00	13,12	500.0	1000,000	265.0		10.0	21.4
n dBµV/m	70								FCC	: 15:407 PK a	<u>t 3m</u>
in de											
Level in dBµV/m	60					jh.			FCC	5.407.AVG a	t-3pp
Level in dE	50								FGC I	5.407 AVG a	t.3n
Level in dE								an Property	FGC_I	5.407 AVG a	t-3r
Level in dE	50		, Alekinin		they are a second				FCC.I	5.407 AVG a	t-3r
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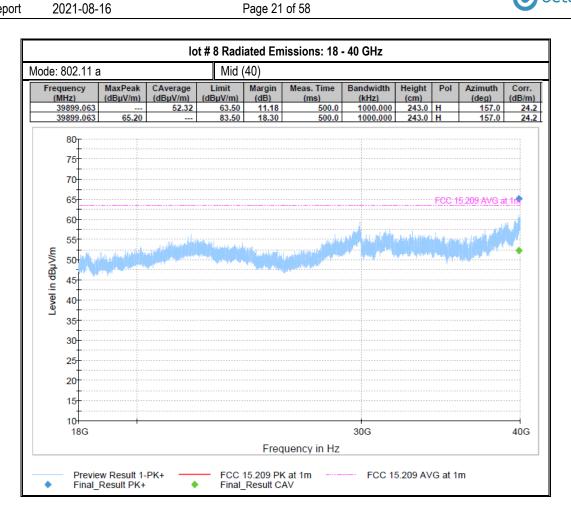


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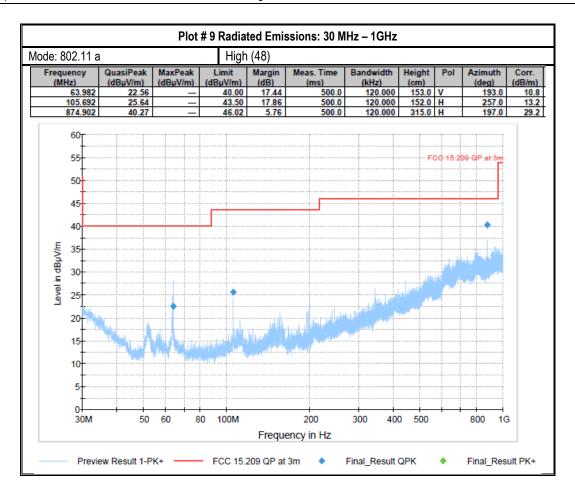




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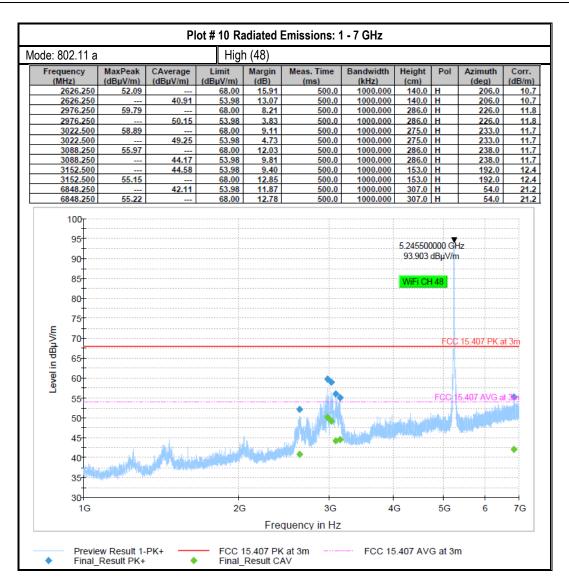




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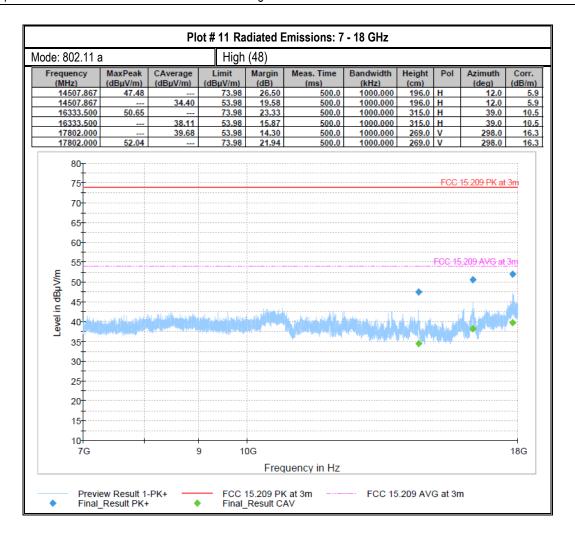




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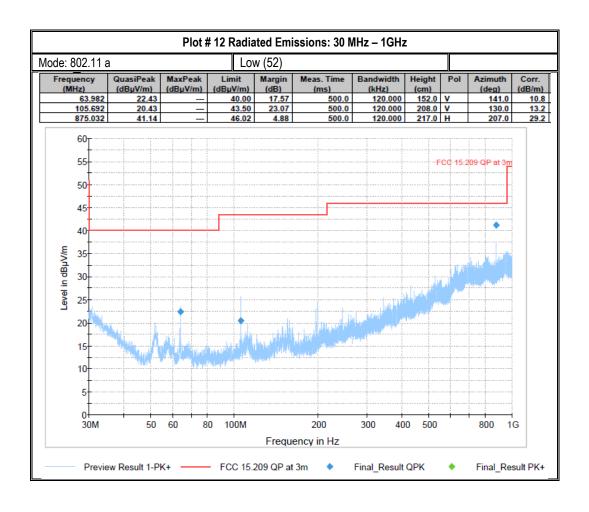




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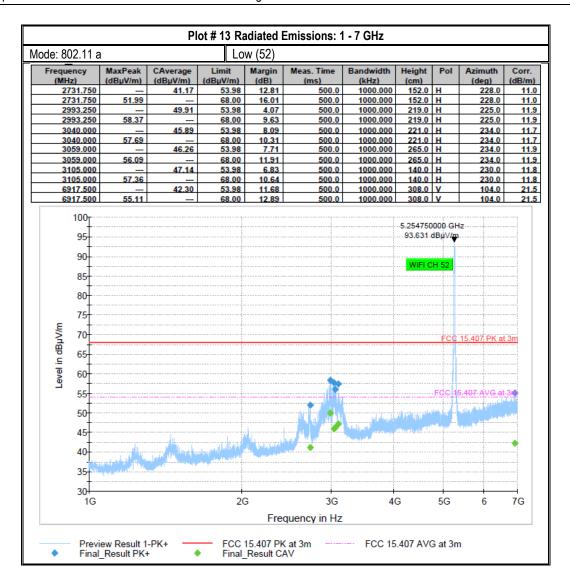




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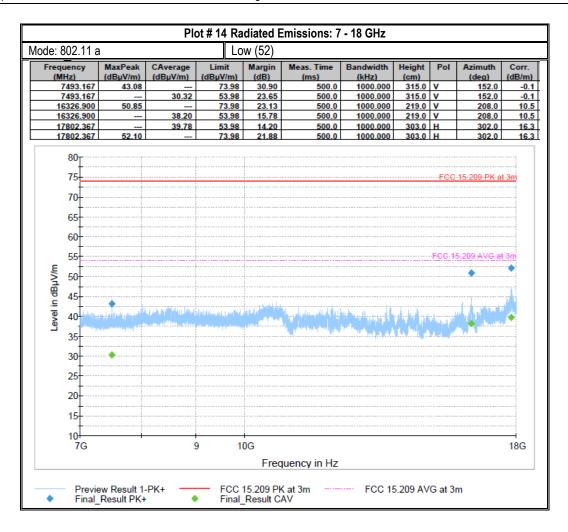




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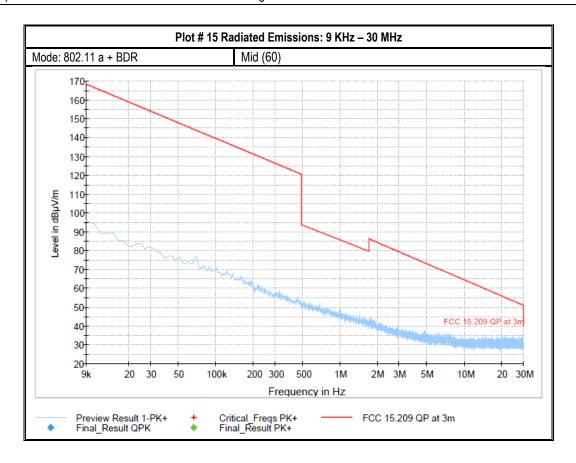
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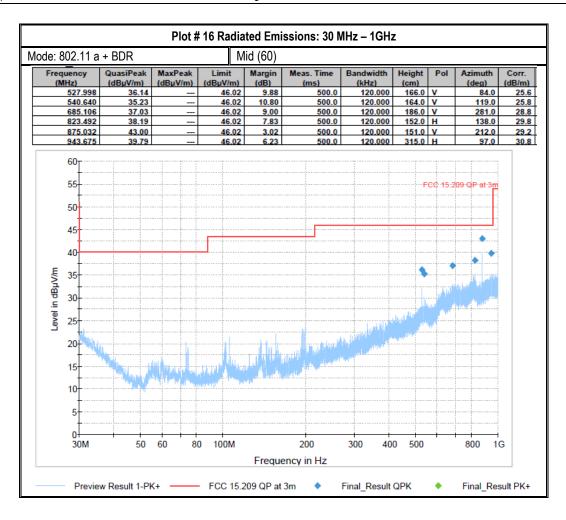




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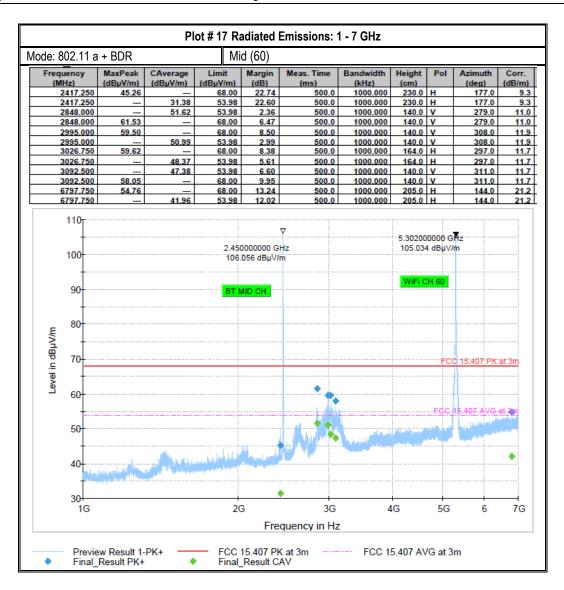




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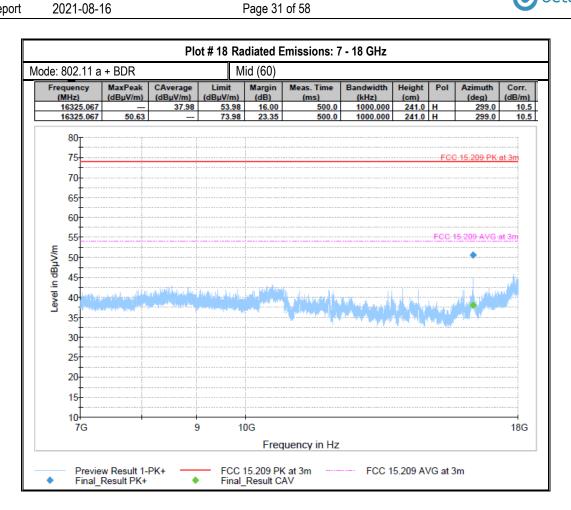




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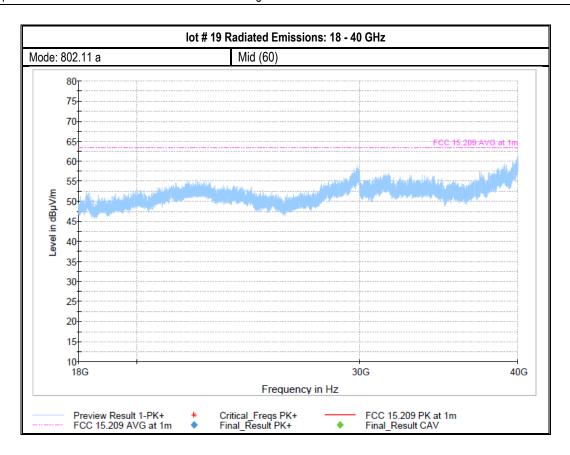


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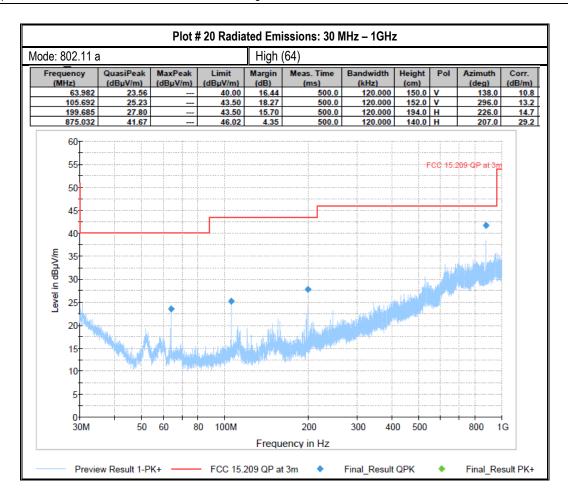




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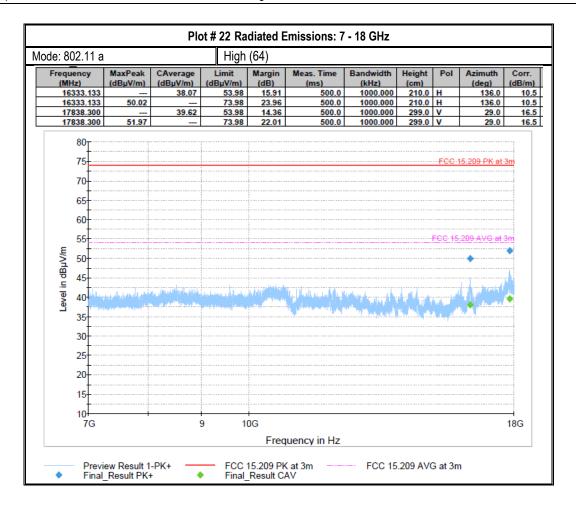


iue. o	02.11 a	1		Hig	h (64)						
Freque (MH		MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr (dB/n
	18.500	53.50		68.00	14.50	500.0	1000.000	140.0	н	227.0	10
27	18.500		42.17	53.98	11.81	500.0	1000.000	140.0	Н	227.0	10
	59.750		51.05	53.98	2.93	500.0	1000.000	164.0	Н	228.0	11
	59.750	60.35		68.00	7.65	500.0	1000.000	164.0		228.0	11
	78.500	61.60		68.00	6.40	500.0	1000.000	151.0	H	225.0 225.0	
	78.500 92.250	60.09	51.09	53.98 68.00	2.89 7.91	500.0 500.0	1000.000	151.0 210.0		226.0	11 11
	92.250		52.03	53.98	1.95	500.0	1000.000			226.0	11
	25.750	59.81		68.00	8.19	500.0	1000,000	140.0		224.0	11
	25.750		49.78	53.98	4.20	500.0	1000.000	140.0		224.0	11
	96.500	53.75	41.23	53.98 68.00	12.75 14.25	500.0 500.0	1000,000	207.0		124.0 124.0	20 20
0.	36.300	33.73		66.00	14.23	500.0	1000.000	207.0		124.0	20
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	80+										
	75										
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≶	70								FCC	15.407 PK a	t 3m
큡										10.407 1 10 0	COM
9	65										
Level in dBµV/m	60										
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_	55								FCC-1	5.407 AVG a	t-3mi
	+					······································				100 - 100	46
	50					10. Tr. 10.	فأن است	SUMMED OF	الخناق		dia per
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	45				h	lw Ab Li'	in production				
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	- Han		TV Albinopie								
	35		150								
	30										
	1G			20	3	3G	4	G	5G	6	7G
						quency in Hz					

Test Report #: EMC_LUCID-004-21001_15.407_Rev1 Date of Report

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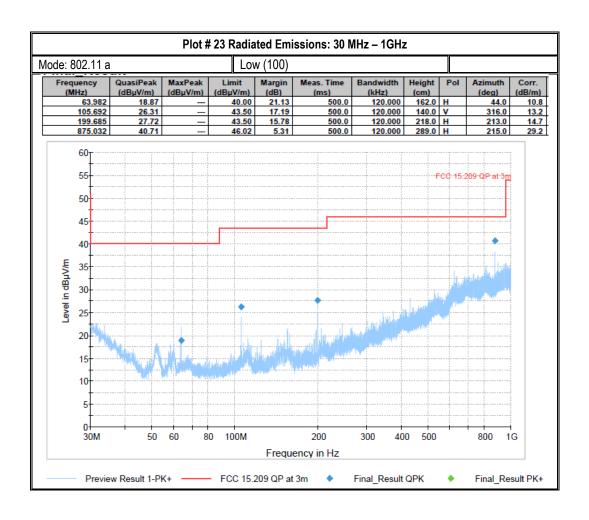


Test Report #:
Date of Report

EMC_LUCID-004-21001_15.407_Rev1 2021-08-16

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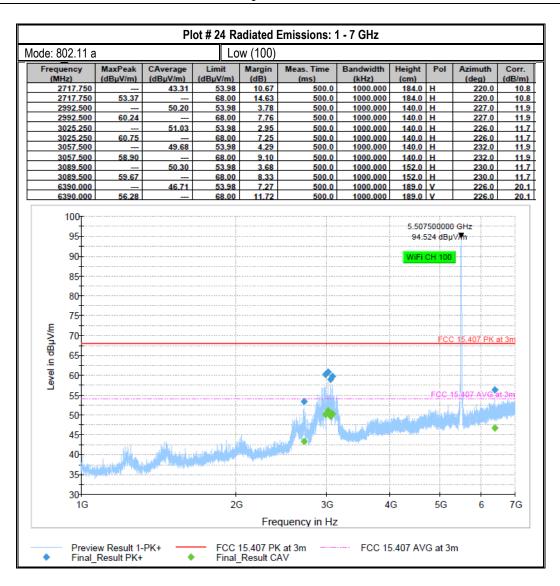




Test Report #: EMC_LUCID-004-21001_15.407_Rev1 Date of Report

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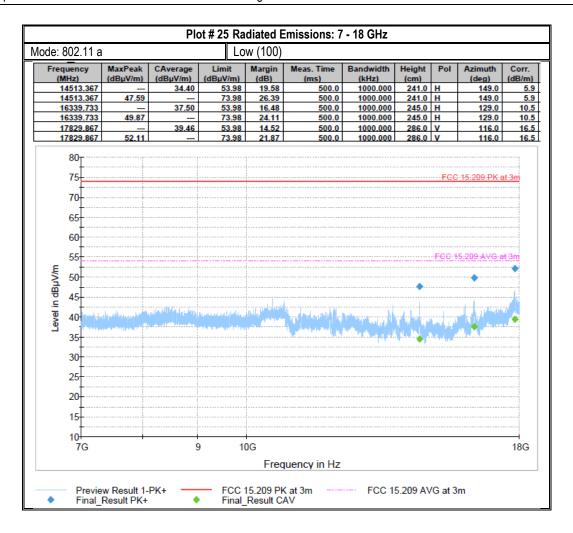




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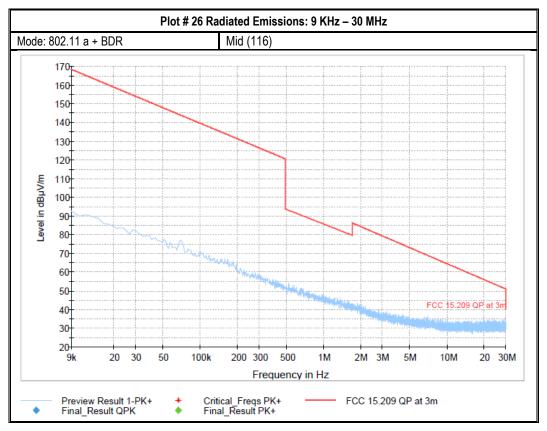


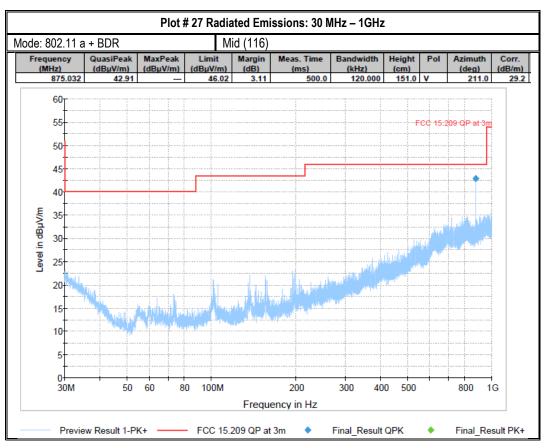


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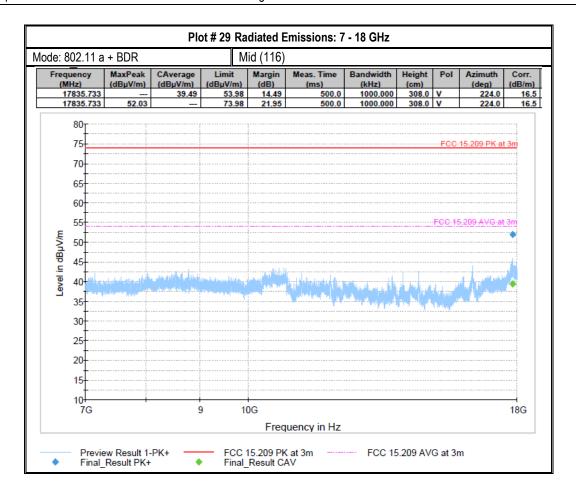


de: 8	02.11	a + BDR		Mi	d (116)						
Frequ		MaxPeak	CAverage	Limit	Margin	Meas. Time	Bandwidth	Height	Pol	Azimuth	Corr.
(MI		(dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)	(ms)	(kHz)	(cm)	.,	(deg)	(dB/m
	646.000 646.000	53.94	42.82	68.00 53.98	14.06 11.16	500.0 500.0	1000.000	140.0 140.0	v	284.0 284.0	10.
	947.000		49.74	53.98	4.24	500.0	1000.000	140.0	v	302.0	11.
2947.000		58.68		68.00	9.32	500.0	1000.000	140.0	v	302.0	11.
2	979.750	58.91		68.00	9.09	500.0	1000.000	140.0	v	305.0	11.
	979.750		49.63	53.98	4.35	500.0	1000.000	140.0	V	305.0	11.
	995.500		50.27	53.98	3.71	500.0	1000.000	140.0	V	307.0	11.
	995,500	59.39		68.00	8.61	500.0	1000.000	140.0	V	307.0	11.
	028.000 028.000		49.58	53.98 68.00	4.40 9.04	500.0 500.0	1000,000	174.0 174.0	v	303.0 303.0	11. 11.
	922.250	38.96	42.38	53.98	11.60	500.0	1000.000	270.0	_	201.0	21.
	922.250	55.76	42.50	68.00	12.24	500.0	1000.000	270.0	v	201.0	21
Level in dBµV/m	90 80 70 60								FCC	5.407 PK (at 3m
	50			134.00	"(, <u>, , , , , , , , , , , , , , , , , , </u>		Lington Company		ا از چوند رهی الاس		
	40				***	- 19					
	30 1G			20	2	3G	4	G	5G	6	7G
	10			20		-	•	0	30	0	76
					Fre	quency in Hz					

Test Report #: EMC_LUCID-004-21001_15.407_Rev1

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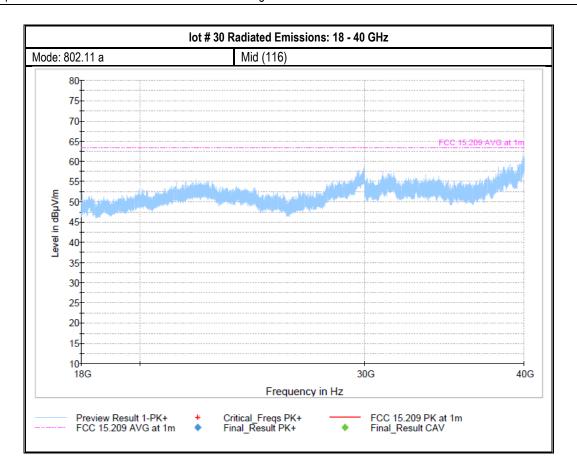


Test Report #:
Date of Report

EMC_LUCID-004-21001_15.407_Rev1 2021-08-16

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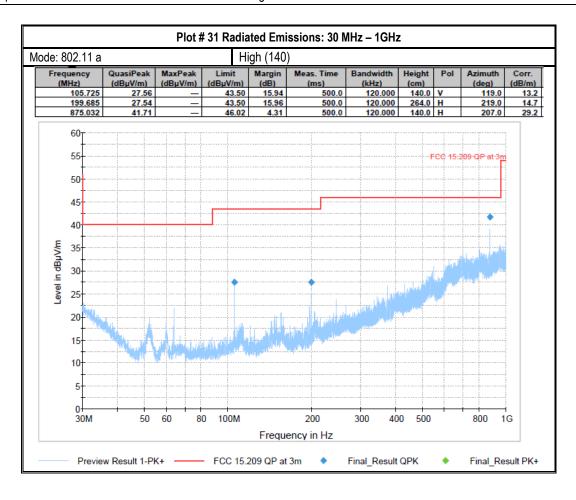




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Test Report #: EMC_LUCID-004-21001_15.407_Rev1

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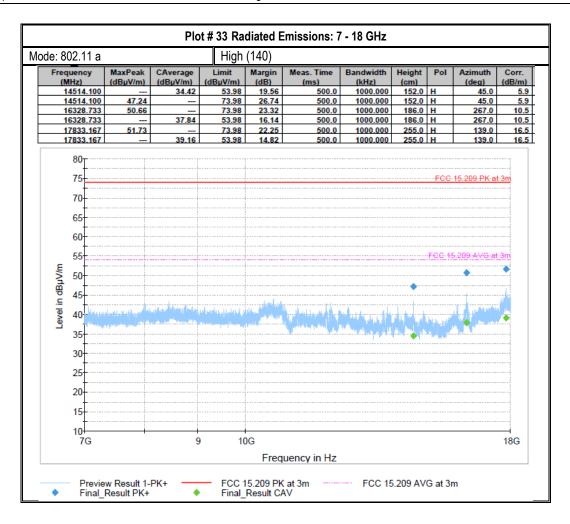


Frequ)2.11 a	MaxPeak	CAverage	Limit	n (140) Margin	Meas. Time	Bandwidth	Height	Pol	Azimuth	Corr
(MF		(dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)	(ms)	(kHz)	(cm)	FOI	(deg)	(dB/r
	717.250	(GDDV/III)	43.52	53.98	10.46	500.0	1000.000	185.0	н	225.0	10
	717.250	53.78		68.00	14.22	500.0	1000.000	185.0		225.0	10
2	977.500	60.45		68.00	7.55	500.0	1000.000	227.0	Н	227.0	11
2	977.500		50.96	53.98	3.02	500.0	1000.000	227.0		227.0	11
	991.750	59.87		68.00	8.13	500.0	1000.000	198.0	Н	227.0	11
	991.750 024.500		49.48 51.74	53.98 53.98	4.50 2.24	500.0 500.0	1000.000 1000.000	198.0 140.0	H	227.0 224.0	11
	024.500	60.85	31.74	68.00	7.15	500.0	1000.000	140.0		224.0	11
	089.000	60.65	48.16	53.98	5.82	500.0	1000.000	186.0		234.0	11
	089.000	59.14		68.00	8.86	500.0	1000,000	186.0	н	234.0	11
6	709.750		42.03	53.98	11.95	500.0	1000.000	176.0	V	284.0	21
6	709.750	55.80		68.00	12.20	500.0	1000,000	176.0	V	284.0	21
Level in dBµV/m	75- 70- 65-								FCC	15.407 PK a	at 3m
ě	60					Y •					
_	55								FCC-1	5.407 AVG a	t-8m
	50						111	nal sa			
	45				As.	dit.	lai	distribute, de fina			
	40				4414						•
	40	والأراك والمرازي	July July 1999	الأمام القراسي	Annual Land						
	35+	عطا الترسيرين	and the same of th								
	+										
	30			<u> </u>				_		<u>_</u>	
	1G			20	3	3G	4	G	5G	6	7G
					Fre	quency in Hz					

Test Report #: EMC_LUCID-004-21001_15.407_Rev1

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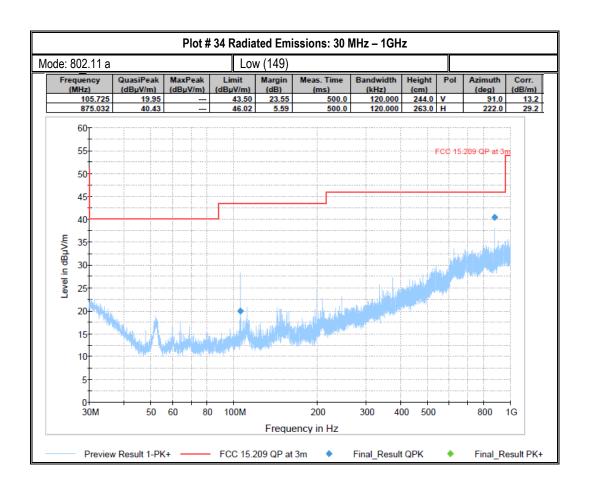




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Date of Report 2021-08-16

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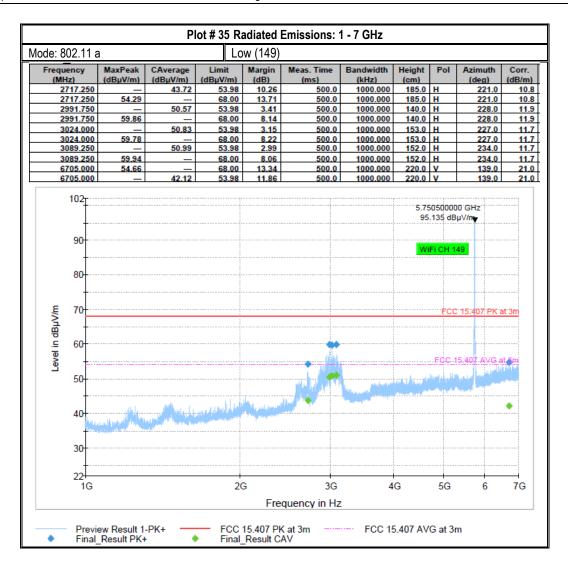




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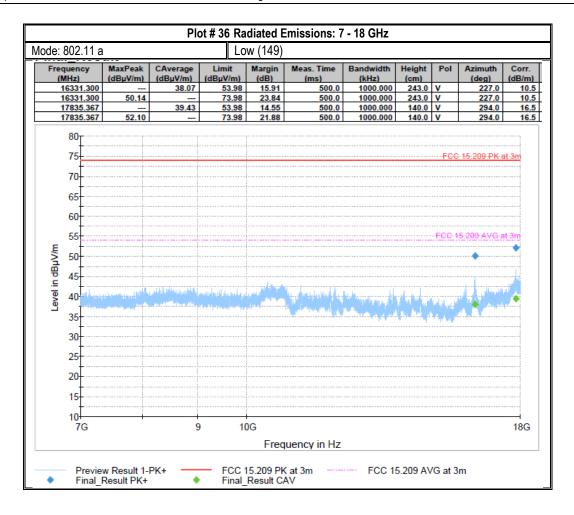




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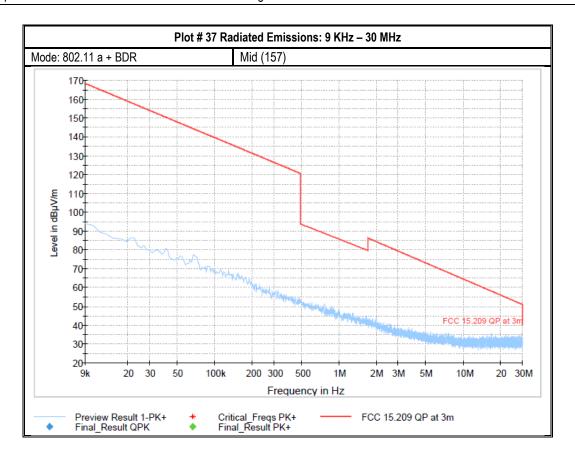




FCC ID: 2AXZJ-K2B000 EMC_LUCID-004-21001_15.407_Rev1

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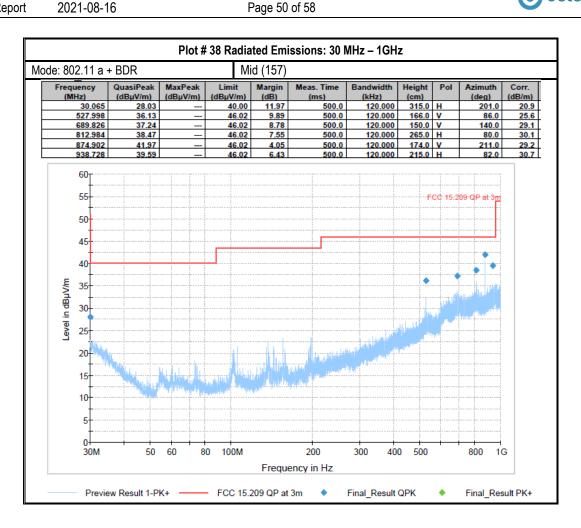




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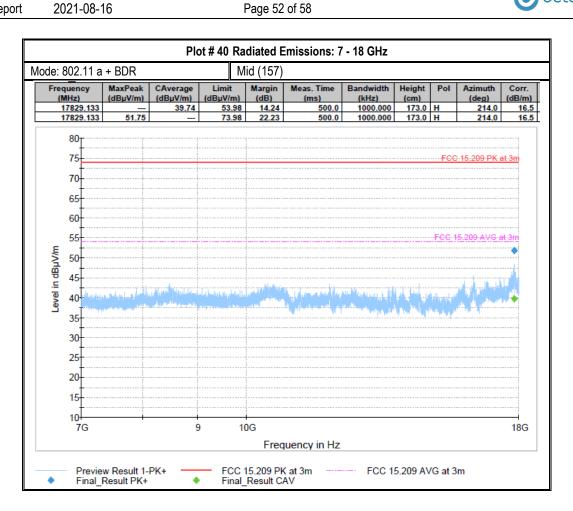


de: 802.11 a + BDR					Mid (Mid (157)					
	iency	MaxPeak	CAverage	Limit	Margin	Meas. Time	Bandwidth	Height	Pol	Azimuth	Corr.
	Hz)	(dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)	(ms)	(kHz)	(cm)		(deg)	(dB/m
	627.000 627.000	54.00	43.81	68.00 53.98	14.00 10.17	500.0 500.0	1000.000	175.0 175.0		269.0 269.0	10. 10.
	947.250	57.01	43.01	68.00	10.17	500.0	1000.000	140.0		303.0	11.
	947.250	57.01	45.00	53.98	8.98	500.0	1000.000	140.0		303.0	11.
	980.750		49.49	53.98	4.49	500.0	1000.000	228.0		285.0	11.
2	980,750	58.98		68.00	9.02	500.0	1000,000	228.0	Н	285.0	11.
2	995.750	58.50		68.00	9.50	500.0	1000.000	140.0	V	310.0	11.
	995,750		45.05	53.98	8.93	500.0	1000.000	140.0		310.0	11.
	028.000	57.56		68.00	10.44	500.0	1000.000	153.0		304.0	11.
	028.000		45.91	53.98	8.06	500.0	1000.000	153.0		304.0	11.
	942,250	54.81	42.28	53.98 68.00	11.70 13.19	500.0 500.0	1000.000	292.0 292.0		31.0 31.0	21. 21.
Level in dBµV/m	90- 80- 70-				MID CH				WIFI CI	2 15:407 PK	at 3m
evel i	+					-					
_	60					À.			ECC	15.407 AVG	at 3pt
	50						hrispala di meta	ar of sport			74 74 A
	40		HAM								•
	30 1G			20	3	3G	4	IG	5G	6	7G
					Fre	quency in Hz	!				

Test Report #: Date of Report EMC_LUCID-004-21001_15.407_Rev1

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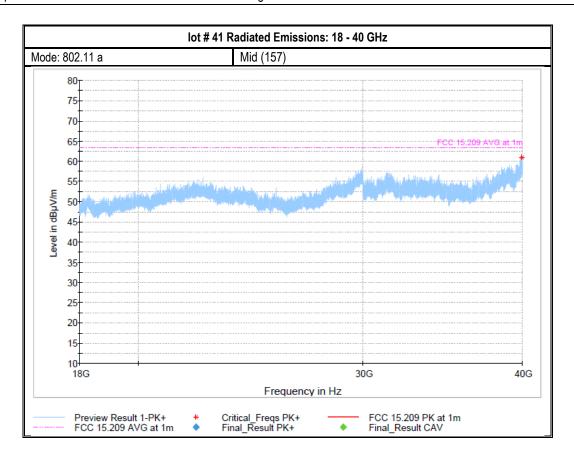


Test Report #:
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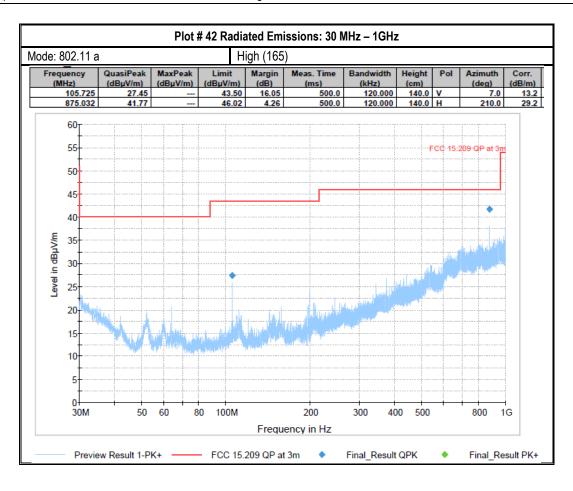




Test Report #: EMC_LUCID-004-21001_15.407_Rev1 Date of Report

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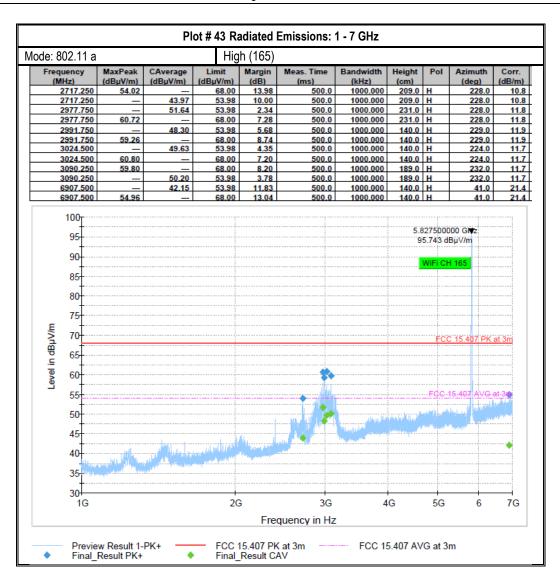




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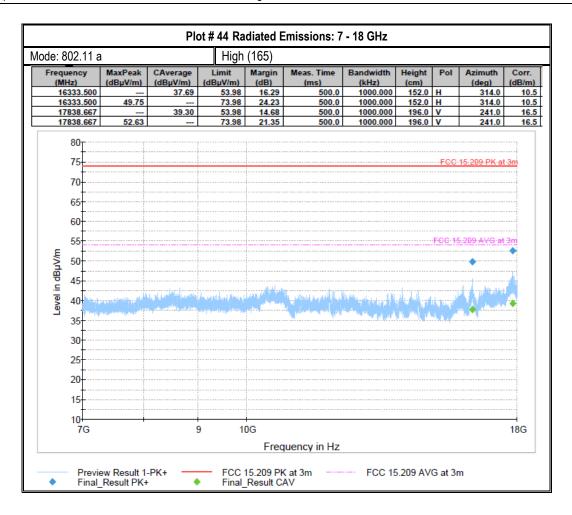




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9 Test setup photos

Test Report #:

Setup photos are included in supporting file name: "EMC_LUCID-004-21001_Setup_Photos.pdf"

10 Test Equipment And Ancillaries Used For Testing

Equipment Name/Type	Manufacturer	Model	Serial #	Calibratio n Cycle	Last Calibration Date
EMI Receiver/Analyzer	Rohde&Schwarz	ESU 40	100251	3 Years	07/16/2019
Loop antenna	ETS Lindgren	6507	161344	3 Years	10/30/2020
Biconlog Antenna	EMCO	3142E	166067	3 years	03/12/2020
Horn Antenna	EMCO	3115	35114	3 years	08/10/2020
Horn Antenna	ETS Lindgren	3117-PA	215984	3 years	01/31/2021
Horn Antenna	ETS Lindgren	3116C-PA	169535	3 years	09/23/2020
Compact Digital Barometer	Control Company	D4540001	130070752	3 Years	04/13/2020

Note: Equipment used meets the measurement uncertainty requirements as required per applicable standards for 95% confidence levels.

Calibration due dates, unless defined specifically, falls on the last day of the month. Items indicated "N/A" for cal status either do not specifically require calibration or is internally characterized before use.

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11 History

Date of Report

Date	Report Name	Changes to report	Report prepared by
2021-07-16	EMC_LUCID-004-21001_15.407	Initial Version	Kris Lazarov
2021-08-16	EMC_LUCID-004-21001_15.407_Rev1	Updater table 3.4 software description; Updated Note:2 on page 7	Kris Lazarov

FCC ID: 2AXZJ-K2B000

<<< The End >>>