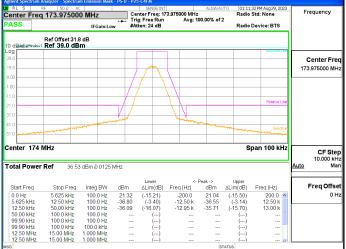
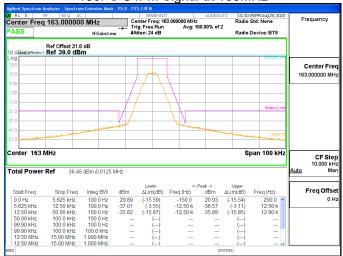
Project No.: 22107 Revision No.: 0

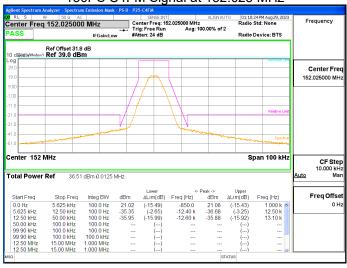




150PS C4FM Signal at 163MHz

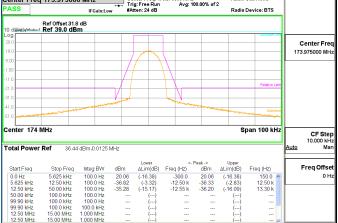


150PS C4FM Signal at 152.025 MHz

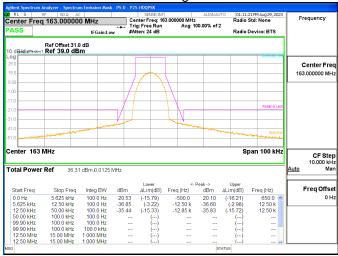


Project No.: 22107 Revision No.: 0

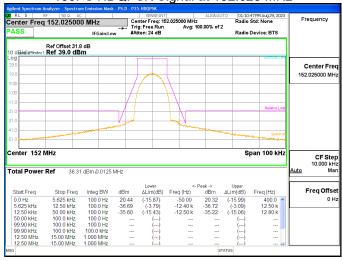




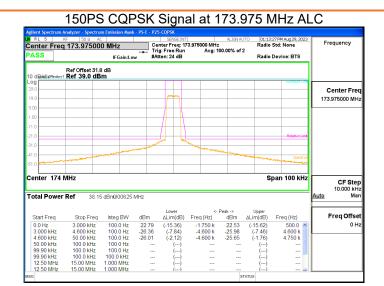
150PS HDQPSK Signal at 163MHz



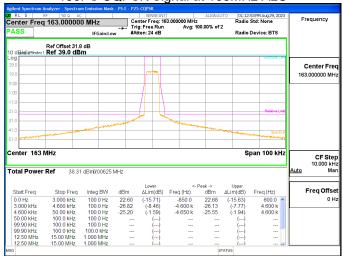
150PS HDQPSK Signal at 152.025 MHz



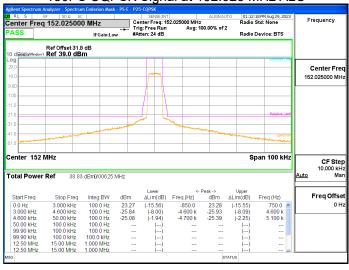
Project No.: 22107 Revision No.:





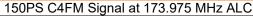


150PS CQPSK Signal at 152.025 MHz ALC



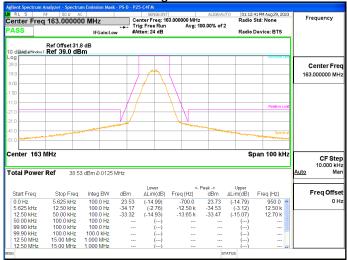
Prepared by: LabTest Certification Inc. Client: Avari Wireless Inc.

Date Issued: 2024-03-21 Report No.: 20.01.22107-1
Project No.: 22107 Revision No.: 0

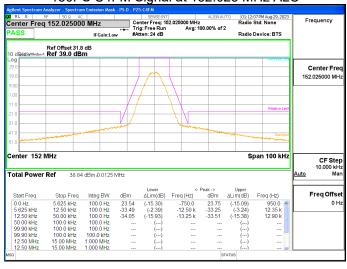




150PS C4FM Signal at 163MHz ALC



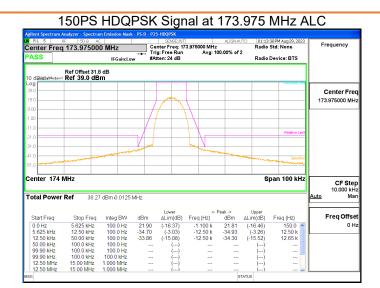
150PS C4FM Signal at 152.025 MHz ALC



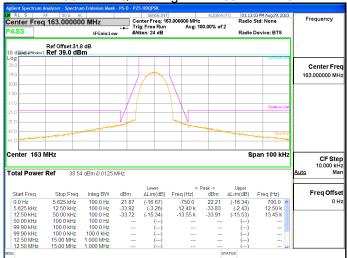
Prepared by: LabTest Certification Inc.

Date Issued: 2024-03-21 Project No.: 22107 Client: Avari Wireless Inc. Report No.: 20.01.22107-1

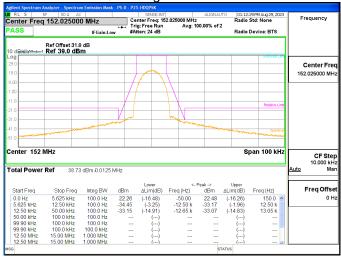
Revision No.: 0



150PS HDQPSK Signal at 163MHz ALC



150PS HDQPSK Signal at 152.025 MHz ALC



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5 Input/Output Power and Amplifier/Booster Gain

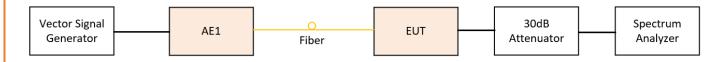
Governing Doc	FCC Part 90.219		Room Temperature	Temperature (°C)		20.5
Test Procedure	ANSI/TIA-603- E; FCC KDB 935210 D05, v01r04		Relative Humidity (%)			38.6
Test Location	Richmond		Barometric Pressure	(kPa)		101.8
Test Engineer	Jack Qin		Date		Au	gust 29,2023
EUT Voltage			☐ 120VAC @ 60	OHz		
Test Equipment Used	Manufacturer	Model	Serial Number	Calibration date		Calibration due
Signal Generator	Keysight	N5172B	MY53050270	Oct 9, 2021		Oct 9, 2023
Spectrum Analyzer	Keysight	N9010A	MY50520285	Oct 11, 2021		Oct 11, 2023
Span:	⊠ Max Gain Frequ	uency ± 1500)kHz			
Detector:	⊠ Peak					
RBW/VBW:	⊠100k Hz/ 300 kH	łz				
Type of Facility:	⊠ Tabletop					
Distance:	⊠ Direct					
Maximum booster gain is 52.6 dB.						
Compliant ⊠	Non-Compli	ant □	Not Applica	ble □		

Test Setup

Description of test set-up:

The procedure used was ANSI/TIA-603-E-2016 and FCC KDB 935210 D05 Indus Booster Basic Meas v01r02:. A CW tone was input at the frequency where the system gain is the maximum in the pass band, with the nominal input power level. The spectrum analyzer was connected to the output RF port via a 50 Ohm 30 dB attenuator. The maximum hold trace and peak detector was used to capture the output power. The output power minus the input power equals to the booster gain in dB.

The EUT was set to Operation Mode #1 with configuration Mode #1.



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Test Data

Test Band	Frequency (MHz)	Input Power (dBm)	Output Power (dBm)	Gain (dB)
800PS	860	-15.6	37.00	52.6
700PS	766.5	-14.2	36.97	51.17
VHF PS	163	-13.4	36.92	50.32

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6 Out-Of-Band / Out-Of-Block Intermodulation and Spurious Emissions

Governing Doc	FCC Part 90.219		Room Temperature (°	oom Temperature (°C)		20.5
Test Procedure	ANSI/TIA-603- E; FCC KDB 935210 [D05, v01r04	Relative Humidity (%))	38.6	
Test Location	Richmond		Barometric Pressure	(kPa)		101.8
Test Engineer	Jack Qin		Date		Aug	gust 29,2023
EUT Voltage			□ 120VAC @ 60	Hz		
Test Equipment Used	Manufacturer	Model	Serial Number	Calibrat	ion date	Calibration due
Signal Generator	Keysight	N5172B	MY53050270	Oct 9	, 2021	Oct 9, 2023
Spectrum Analyzer	Keysight N9010A		MY50520285	Oct 11, 2021		Oct 11, 2023
Frequency Range:	⊠ Max Gain Freq	⊠ Max Gain Frequency ± 50kHz				
Detector:	⊠ Average					
RBW/VBW:	⊠100/910Hz					
Type of Facility:	⊠ Tabletop					
Distance:	□ Direct					
On 700 band, 800 band and UHF band: The intermodulation product of 2 tone is below the -13dBm emission limit with input power - 0.5 dB below AGC threshold - 2 dB below AGC threshold - 3 dB above AGC threshold					nission limit with	
Compliant ⊠	Non-Compl	iant □	Not Applicab	le 🗆		

Test Setup

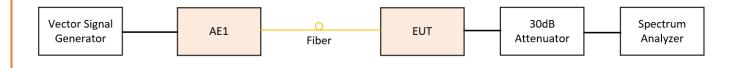
Description of test set-up:

The procedure used was ANSI/TIA-603-E-2016. Two tones (CW) method was used. The input power to the amplifier was set at maximum drive level by combining the two tones. The two tones were chosen in such a way (1) the third order intermodulation product frequencies are located within the pass band of the DUT and (2) they produce the worst-case emissions out of band.

Based on FCC KDB 935210 D05 Indus Booster Basic Meas v01r04: 2019, the two tone was located on either side of the maximum gain frequence in the passing band, and separated with the available spacing, which is 12.5kHz.

Measurements were performed with modulated -tone at identical input amplitude which produced integrated maximum rated output power.

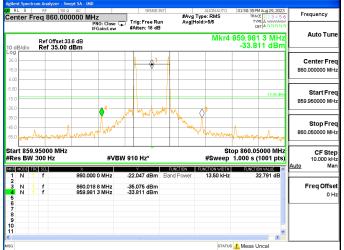
The EUT was set to Operation Mode #1 with configuration Mode #1.



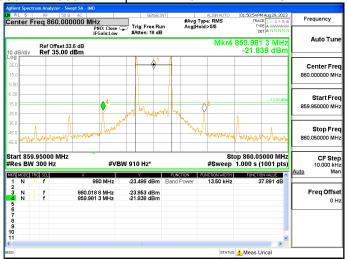
Project No.: 22107 Revision No.:

Test Data

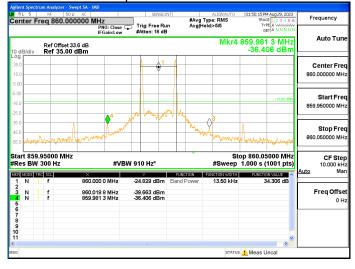




800PS at 860 MHz Input Power 3 dB Above ALC Threshold

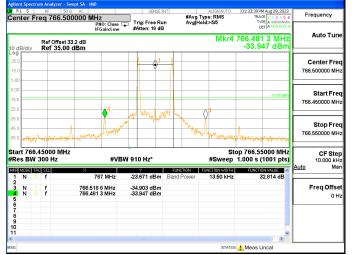


800PS at 860 MHz Input Power 0.5 dB Below ALC Threshold

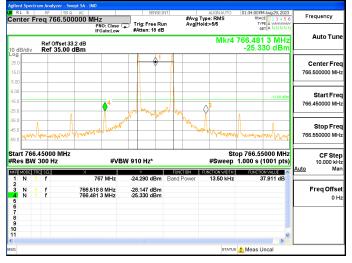


Project No.: 22107 Revision No.:

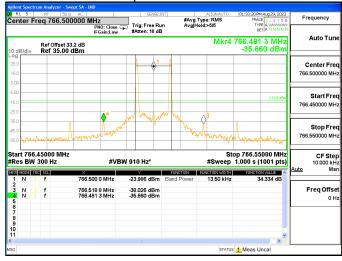
700PS at 766.500 MHz Input Power 2 dB Below ALC Threshold



700PS at 766.500 MHz Input Power 3 dB Above ALC Threshold

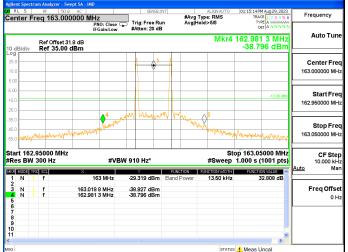


700PS at 766.500 MHz Input Power 0.5 dB Below ALC Threshold

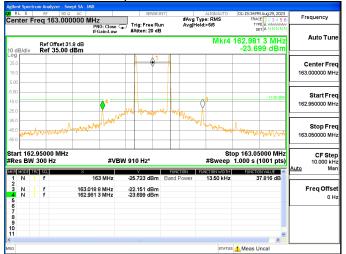


Project No.: 22107 Revision No.:

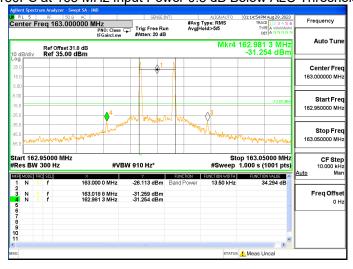




150PS at 163 MHz Input Power 3 dB Above ALC Threshold

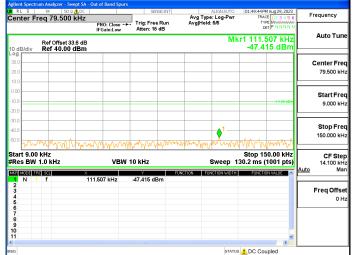


150PS at 163 MHz Input Power 0.5 dB Below ALC Threshold

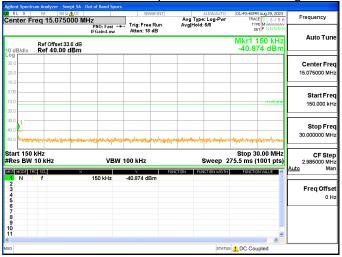


Project No.: 22107 Revision No.: 0

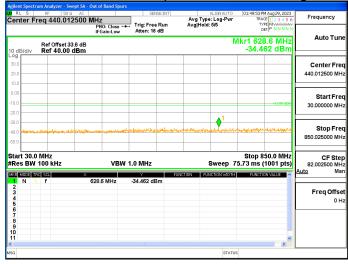




800PS 868.975 MHz Spurious Emissions Range 2

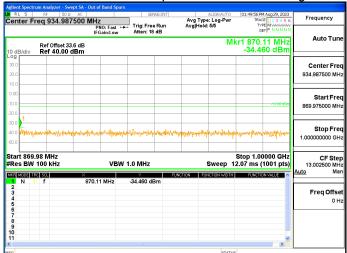


800PS 868.975 MHz Spurious Emissions Range 3

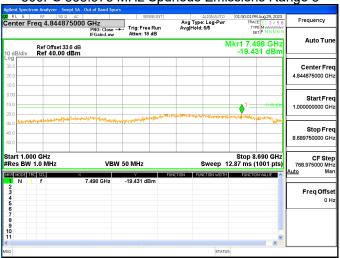


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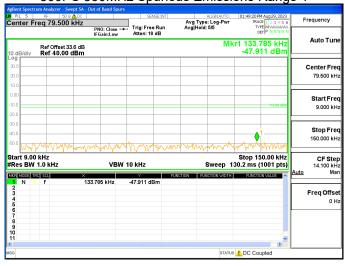




800PS 868.975 MHz Spurious Emissions Range 5



800PS 860MHz Spurious Emissions Range 1



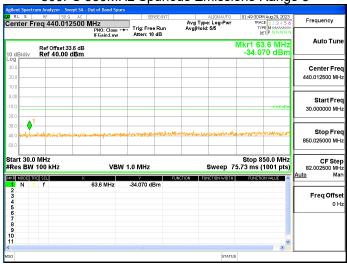
Prepared by: LabTest Certification Inc. Client: Avari Wireless Inc.

Date Issued: 2024-03-21 Report No.: 20.01.22107-1 Project No.: 22107 Revision No.: 0

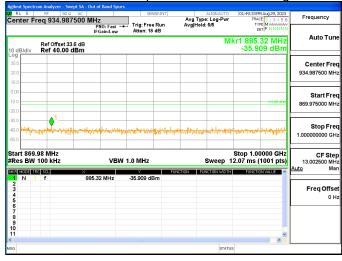




800PS 860MHz Spurious Emissions Range 3

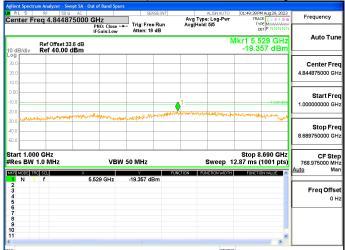


800PS 860MHz Spurious Emissions Range 4

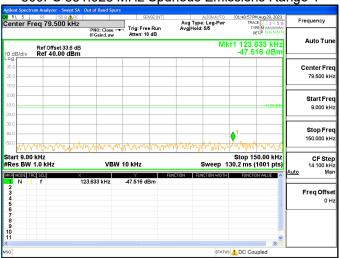


Project No.: 22107 Revision No.: 0

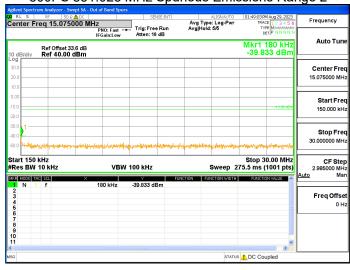




800PS 851.025 MHz Spurious Emissions Range 1

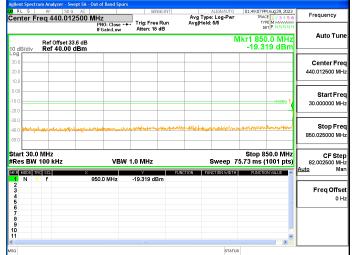


800PS 851.025 MHz Spurious Emissions Range 2

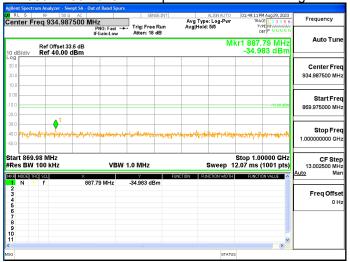


Project No.: 22107 Revision No.: 0





800PS 851.025 MHz Spurious Emissions Range 4

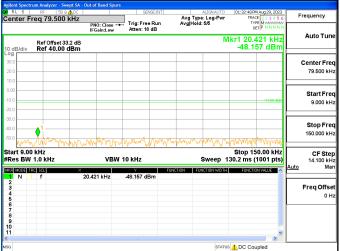


800PS 851.025 MHz Spurious Emissions Range 5

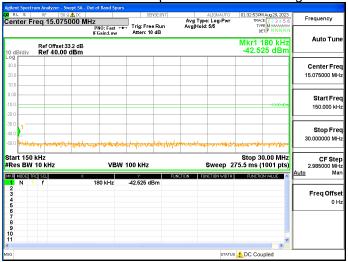


Project No.: 22107 Revision No.: 0





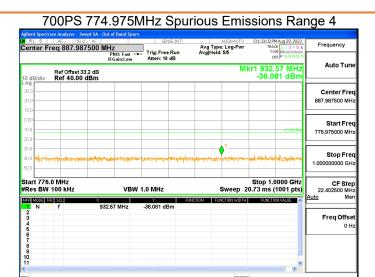
700PS 774.975MHz Spurious Emissions Range 2



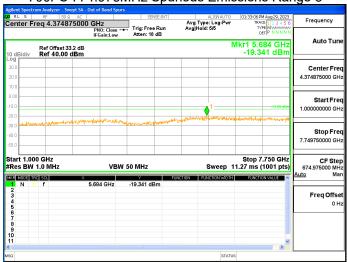
700PS 774.975MHz Spurious Emissions Range 3



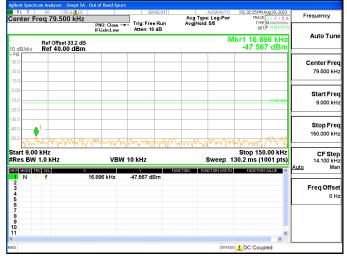
Project No.: 22107 Revision No.:



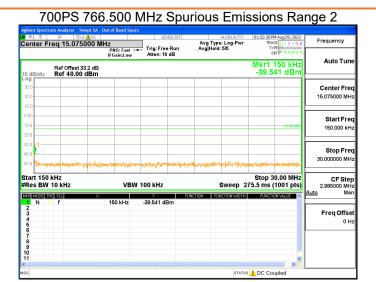
700PS 774.975MHz Spurious Emissions Range 5



700PS 766.500 MHz Spurious Emissions Range 1



Project No.: 22107 Revision No.:



700PS 766.500 MHz Spurious Emissions Range 3

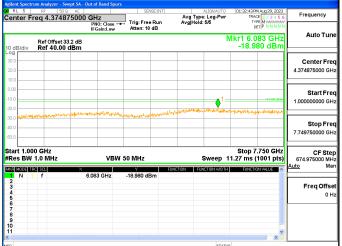


700PS 766.500 MHz Spurious Emissions Range 4

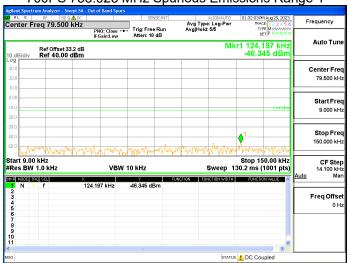


Project No.: 22107 Revision No.: 0

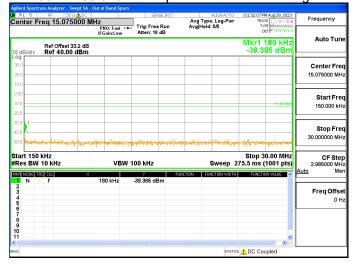




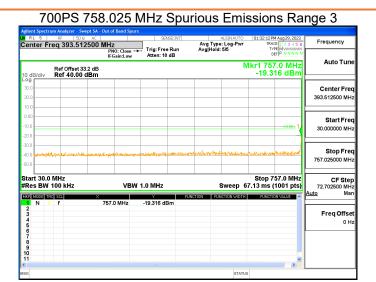
700PS 758.025 MHz Spurious Emissions Range 1



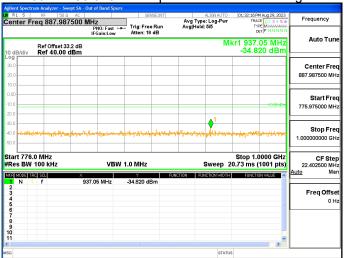
700PS 758.025 MHz Spurious Emissions Range 2



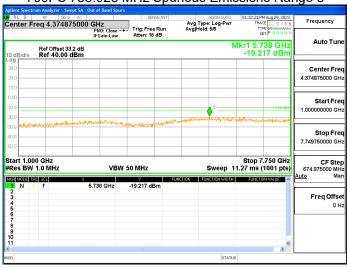
Project No.: 22107 Revision No.: 0



700PS 758.025 MHz Spurious Emissions Range 4

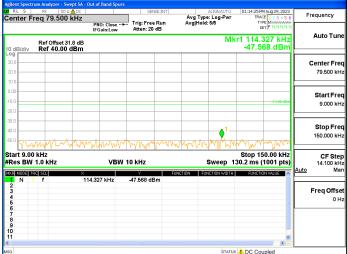


700PS 758.025 MHz Spurious Emissions Range 5

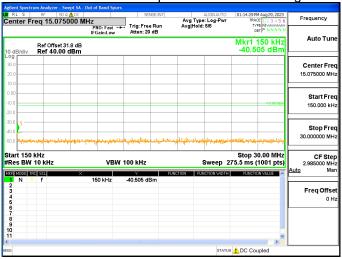


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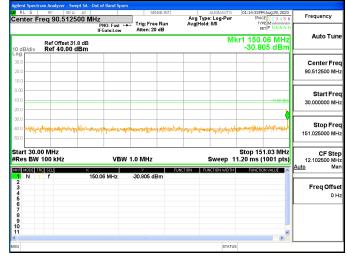




150PS 173.975 MHz Spurious Emissions Range 2

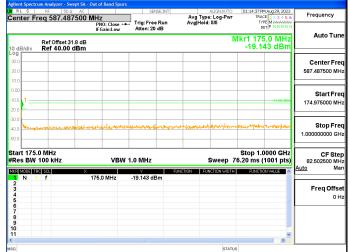


150PS 173.975 MHz Spurious Emissions Range 3

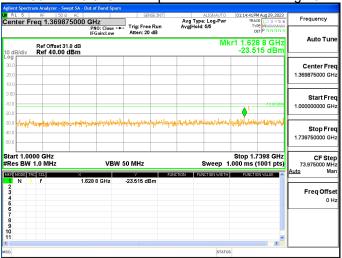


Project No.: 22107 Revision No.: 0

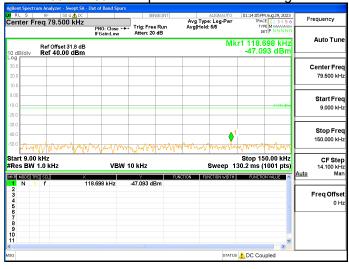




150PS 173.975 MHz Spurious Emissions Range 5



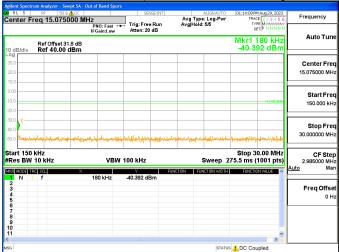
150PS 163MHz Spurious Emissions Range 1



Prepared by: LabTest Certification Inc. Client: Avari Wireless Inc.

Date Issued: 2024-03-21 Report No.: 20.01.22107-1 Project No.: 22107 Revision No.: 0

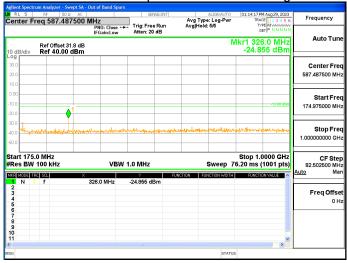




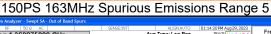
150PS 163MHz Spurious Emissions Range 3

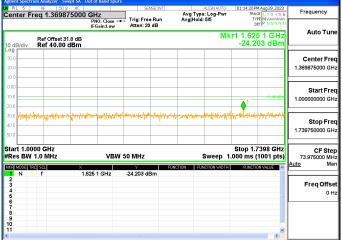


150PS 163MHz Spurious Emissions Range 4

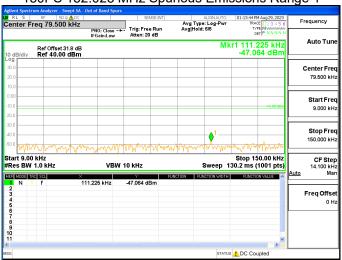


Project No.: 22107 Revision No.: 0

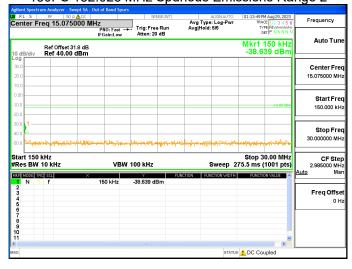




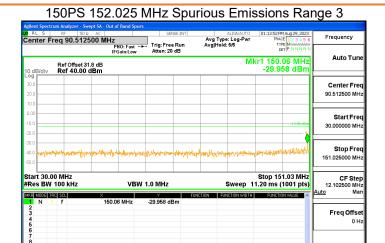
150PS 152.025 MHz Spurious Emissions Range 1



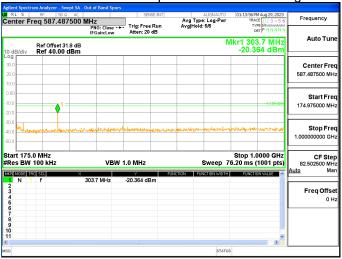
150PS 152.025 MHz Spurious Emissions Range 2



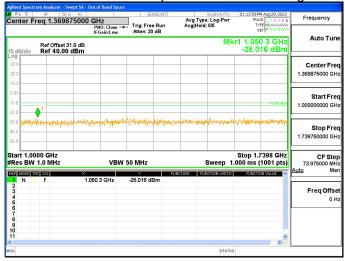
Project No.: 22107 Revision No.: 0



150PS 152.025 MHz Spurious Emissions Range 4



150PS 152.025 MHz Spurious Emissions Range 5



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Revision No.: 0

7 Noise Figure

Governing Doc	FCC Part 90.219		Room Temperature (°	(C)		20.5
Test Procedure	ANSI/TIA-603- E; FCC KDB 935210 D05, v01r04		Relative Humidity (%)			38.6
Test Location	Richmond		Barometric Pressure ((kPa)		101.8
Test Engineer	Jack Qin		Date		Aug	just 29, 2023
EUT Voltage			☐ 120VAC @ 60I	Hz		
Test Equipment Used	Manufacturer	Model	Serial Number	Calibration date		Calibration due
Signal Generator	Keysight	N5172B	MY53050270	Oct 9, 2021		Oct 9, 2023
Spectrum Analyzer	Keysight	N9010A	MY50520285	Oct 11, 2021		Oct 11, 2023
Frequency Range:	□ 2 times of the p	assband on	each band			
Detector:	⊠ Average					
RBW:	⊠910 kHz					
Type of Facility:	⊠ Tabletop					
Distance:	⊠ Direct					
Noise Figure on each band	d is less than the 9 d	B required.				
Compliant ⊠	Non-Compli	ant □	Not Applicabl	le 🗆		

Test Setup

Description of test set-up:

Based on FCC KDB 935210 D05 Indus Booster Basic Meas v01r04: 2019, the system maximum gain and the noise density is measured. Measurements were performed within the EUT's passband.

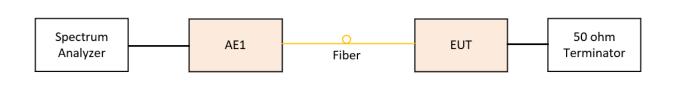
The noise figure is then calculated by NF = NP - Gain + KTB Noise; where

NP is in band noise power per Herz,

Gain is measured at the maximum noise frequence with -55 dBm input signal in UL.

KTB Noise is 174dBm/Hz.

The EUT was set to Operation Mode #1 with configuration Mode #1.



Test Data

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Test Band	Gain (dB)	kTB (dBm/Hz)	Measured Value (dBm/Hz)	Noise Figure (dB)
800PS	57.5	174	-108.9	7.6
700 PS	60.9	174	-108.4	4.7
VHF PS	57.1	174	-109.8	7.1

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8 Frequency Stability

The DMU and RU37 are sychronized to the same reference clock. Therefore there is no frequency error after down and up frequency conversion are performed.

The frequency stability check is not applicable to the EUT.

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9 Radiated Emissions - Enclosure

9.1 Radiated Emissions 30 MHz - 1 GHz

J. I Radiatoa Elillook	715 30 WITE - 1 GITE							
Standard	FCC Part 15 Subpart B							
Basic Standard(s)	ANSI C63.4:2014, CISPR	16-2-1						
Tested by	Jack Qin							
Test date	2023-08-30							
Test location	in SAC, Richmond							
Test Equipment	Manufacturer	Model	LabTest ID	Calibration date	Calibr	ation due		
EMC Analyzer	Keysight Technologies	s N9038A	702	02-Nov-2022	01-N	lov-2023		
Broadband Antenna	Sunol	JB1	371	24-Oct-2022	24-0	Oct-2024		
	Radiated	Emission FCC/IC Class	A Limit at 3	Meters				
	Frequency (MHz)	Qu	ıasi-peak (dl	3 μV/m)				
	30 – 88		50					
	88 – 216		54					
Applied limit	216 - 960		57					
	960 – 1000		60					
		shall apply at the transition						
	Note 2. Additional provis	sions may be required for	cases where	interference occi	ırs			
	⊠ Equipment on a tall	ble of 80 cm height						
Test set-up description	☐ Equipment on the f	floor (insulated from grour	nd plane)					
	Other:							
		measurement distance [r	m]: 🖂3 🔲1	0				
Test method	FAR CISPR 16-2-3	3 with measurement distar	nce [m]: 3					
applied	FAR IEC 61000-4-	22 with measurement dist	tance [m]: 3					
	☐ TEM Waveguide a	TEM Waveguide according to IEC 61000-4-20						
Supplementary test set-up	Preliminary (peak) receive antenna loc measurements (qu then performed by	then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity,						
applied Supplementary test	FAR IEC 61000-4-2 TEM Waveguide and Measurements were Preliminary (peak) receive antenna local measurements (qualithen performed by to 4 m. All frequence	Measurements were made in semi-anechoic chamber that complies to CISPR 16. Preliminary (peak) measurements. The EUT was rotated 360° about its azimuth w receive antenna located at various heights in horizontal and vertical polarities. Fin measurements (quasi-peak detector below 1GHz and average detector above 1Gl then performed by rotating the EUT 360° and adjusting the receive antenna height to 4 m. All frequencies were investigated in both horizontal and vertical antenna po						

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Supplementary information

• If the highest internal frequency of the EUT is less than 108 MHz, the measurement shall only be made up to 1 GHz.

- If the highest internal frequency of the EUT is between 108 MHz and 500 MHz, the measurement shall only be made up to 2 GHz.
- If the highest internal frequency of the EUT is between 500 MHz and 1 GHz, the measurement shall only be made up to 5 GHz.
- If the highest internal frequency of the EUT is above 1 GHz, the measurement shall be made up to 6 GHz.
- Where the highest internal frequency is not known, tests shall be performed up to 6 GHz.

VERDICT: PASS

Test Method

This test measures the radiating levels from the EUT, thus evaluating the potential for the EUT to cause radio frequency interference to other electronic devices. Testing was performed in accordance with the test standard(s) referenced in the test summary section of this report. The Equipment Under Test (EUT) was configured based upon the requirements of the applicable test standard. Initially, the primary emission frequencies are identified by positioning a broadband receive antenna three meter from the EUT.

A scan was made with an EMC Analyzer, controlled by EMC Test Software, Tile7! with the receiver in the peak mode. The receiver IF bandwidth was 120 kHz and scan step was less than 30kHz. To ensure that the maximum emission at each discrete frequency of interest is observed, the receive antenna is varied in height from one to four meters and rotated to produce horizontal and vertical polarities while the turntable is rotated to determine the worst emitting configuration. Measurements were then made using CISPR quasi peak when the peak readings were within 10dB of the limit line. The numerical results are included herein to demonstrate compliance.

Test Setup

The EUT was placed on a 0.8m non-conducting table above a ground reference plane (GRP).

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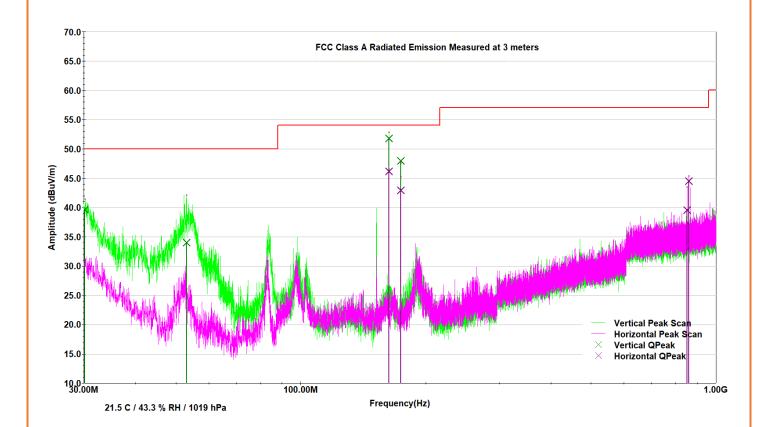
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Measurement data and Plot

Note:

Quasi-peak (dBuV/m) = Raw Quasi-peak (dBuV) + Antenna Factor (dB/m) + Correction Factor (dB) Correction Factor (dB) = Cable loss(dB)

Radiated Emission 30 MHz - 1000MHz, 120V/60Hz, FCC Class A Limit



Frequency	Antenna Polarization	Raw QPeak	Antenna Factor	Correction Factor	QPeak	Margin	Limit
MHz	V/H	dBuV	dB/m	dB	dBuV/m	dB	dBuV/m
163.0113	Н	28.5	16.5	1.2	46.2	7.8	54
173.9623	Н	25.8	15.9	1.2	43	11	54
851.0223	Н	10.3	26.3	2.9	39.5	17.5	57
859.989	Н	15	26.6	2.9	44.5	12.5	57
30.18825	V	14.1	24.9	0.7	39.6	10.4	50
53.039	V	21.8	11.4	0.8	34	16	50
163.0013	V	33.8	16.7	1.2	51.7	2.3	54
173.9823	V	30.6	16.1	1.2	48	6	54

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9.2 Radiated Emissions above 1 GHz

Standard		art 15 Subpart B						
Basic Standard(s)	ANSI C	C63.4:2014, CISPF	R 16-2-1					
Tested by	Jack Q	in						
Test date	2023-0	8-30						
Test location	in SAC	, Richmond						
Test Equipment	M	lanufacturer	Mode	el	LabTest ID	Calibration	date	Calibration due
EMC Analyzer	Keysiç	ght Technologies	N9038	3A	702	02-Nov-20	22	01-Nov-2023
Horn Antenna	А	H Systems	SAS-5	71	227C	13-Sept-20)22	13-Sept-2024
RF Preamplifier		Agilent	84491	В	273	In House Calil	oration	In House Calibration
RF Cable	Α	.H. Systems	SAC-26	G-3	227D	In House Calil	oration	In House Calibration
		Ra	diated E	miss	sion FCC/IC	Class B Limit a	at 3 Mete	ers
		Frequency (GHz)			Average (d	BμV/m)		Peak (dBμV/m)
Applied limit		> 1			54			74
	\boxtimes	Equipment on a	table of 8	30 cn	n height			
Test set-up description		Equipment on th	e floor (ir	nsula	ated from grou	und plane)		
description		Other:						
Operating modes of EUT	The El 230V/5	JT is configured a 50Hz.	s "Dive M	/lode	", the wireles	s charger is pov	vered by	120V/60Hz or
		OATS or SAC w	ith meası	urem	nent distance	[m]: ⊠3 □10		
Test method	\boxtimes	FAR CISPR 16-2	2-3 with n	neas	surement dist	ance [m]: 3		
applied		FAR IEC 61000-	4-22 with	n me	asurement di	stance [m]: 3		
		TEM Waveguide	accordir	ng to	IEC 61000-4	l-20		
Supplementary test set-up	\boxtimes	Measurements were made in FAR chamber that complies to CISPR 16. Preliminary (peak) measurements. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in horizontal and vertical polarities. Final measurements (quasipeak detector below 1GHz and average detector above 1GHz) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.						

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Supplementary

information

- If the highest internal frequency of the EUT is less than 108 MHz, the measurement shall only be made up to 1 GHz.
- If the highest internal frequency of the EUT is between 108 MHz and 500 MHz, the measurement shall only be made up to 2 GHz.
- If the highest internal frequency of the EUT is between 500 MHz and 1 GHz, the measurement shall only be made up to 5 GHz.
- If the highest internal frequency of the EUT is above 1 GHz, the measurement shall be made up to 6 GHz.
- Where the highest internal frequency is not known, tests shall be performed up to 6 GHz.

VERDICT: PASS

Test Method

This test measures the radiating levels from the EUT, thus evaluating the potential for the EUT to cause radio frequency interference to other electronic devices. Testing was performed in accordance with the test standard(s) referenced in the test summary section of this report. The Equipment Under Test (EUT) was configured based upon the requirements of the applicable test standard. Initially, the primary emission frequencies are identified by positioning a broadband receive antenna three meter from the EUT.

A scan was made with an EMC Analyzer, controlled by EMC Test Software, Tile7!, with the receiver in the peak mode. The receiver IF bandwidth was 1000 kHz and scan step was less than 300 kHz. To ensure that the maximum emission at each discrete frequency of interest is observed, the receive antenna is varied in height from one to four meters and rotated to produce horizontal and vertical polarities while the turntable is rotated to determine the worst emitting configuration. Measurements were then made using CISPR quasi peak when the peak readings were within 10dB of the limit line. The numerical results are included herein to demonstrate compliance.

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Test Setup

The EUT was placed on an 80 cm non-conducting table above a ground reference plane (GRP).



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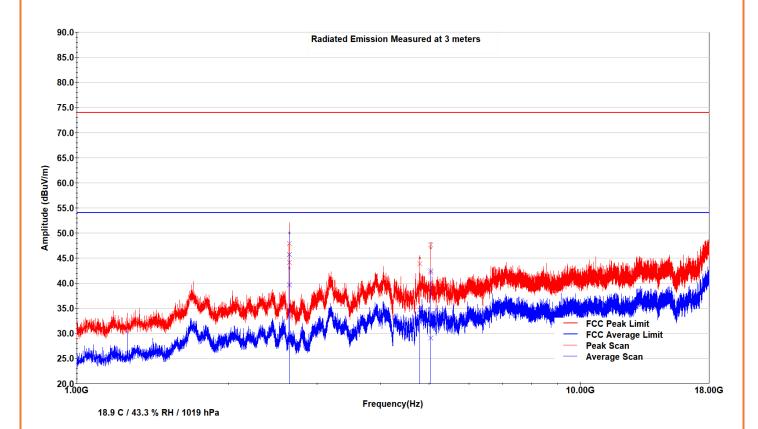
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Measurement data and Plot

Note:

- 1) The test results below show that EUT pass the tests with Class B limit. As Class B limit is more restrictive than Class A limit, consequently the EUT pass the tests with Class A limit.
- 2) Quasi-peak (dBuV/m) = Raw Quasi-peak (dBuV) + Antenna Factor (dB/m) + Correction Factor (dB) Correction Factor (dB) = Cable loss(dB) + Preamp Gain(dB)

Radiated Emission 1 GHz - 18 GHz, 120V/60Hz, FCC Class B Limit



Frequency	Antenna Polarization	Antenna Factor	Correction Factor	Average	Aveg Margin	Avg Limit	Peak	Peak Margin	Peak Limit
MHz	V/H	dB/m	dB	dBuV/m	dB	dBuV/m	dBuV/m	dB	dBuv/m
2640.175	Н	30	-26.4	39.7	14.3	54	44.102	29.898	74
4792.075	Н	33.3	-22.9	34.7	19.3	54	43.85	30.15	74
5043.55	Н	34	-22.7	29.1	24.9	54	42.119	31.881	74
2639.875	V	29.9	-26.4	45.7	8.3	54	47.921	26.079	74
5039.85	V	34	-22.6	42.5	11.5	54	47.664	26.336	74

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10 Conducted Emissions at AC Power Port

	1						
Standard	FCC Part 15 Subpart B						
Basic Standard(s)	ANSI C63.4:2014, CI	SPR 1	6-2-1				
Tested by	Jack Qin						
Test date	2023-08-30						
Test location	in SAC, Richmond						
Test Equipment	Manufacturer		Model	LabTest ID	Calibration date	Calibration due	
EMC Analyzer	Keysight Technolog	es	N9038A	702	02-Nov-2022	01-Nov-2023	
LISN	Com-Power		LI-150A	1527	13-Apr-23	13-Apr-25	
LISN	Com-Power		LI-150A	1528	13-Apr-23	13-Apr-25	
Applied limit	Conducted emissions Class A limits (AC mains power terminals)						
	Frequency (MH	z)	Quasi	i-Peak (dBμV)	Average	(dBμV)	
	0.15 - 0.50			79	66	6	
	0.5 - 30			73	60	0	
	Note 1 The lower li	nit sha	all apply at the	e transition frequenc	cies		
Test set-up	Set-up Type A	(40 cr	n distance to	vertical ground plan	e, 80 cm over ground	plane)	
description	☐ Set-up Type B	(40 cr	m distance to	horizontal ground pl	ane)		
	Floor standing equipment set-up (10 cm over ground plane)						
	Other:						
Test method applied		Artificial mains network (AMN)					
	☐ Voltage Probe						
VERDICT: PASS							

Date Issued: 2024-03-21 Project No.: 22107

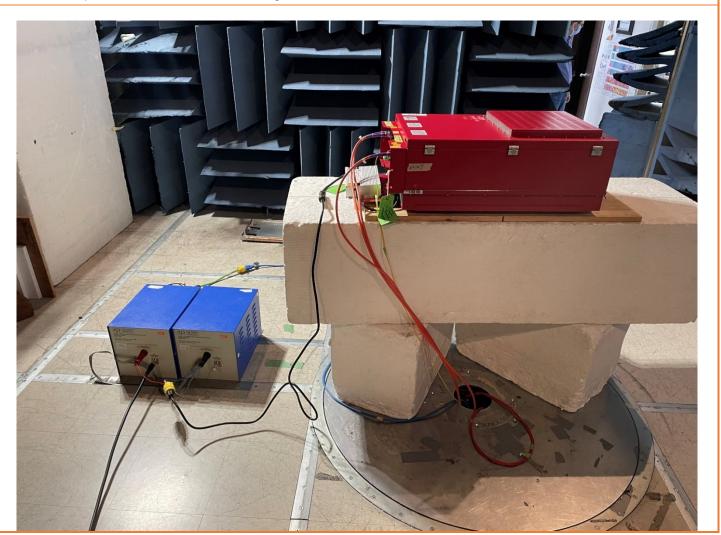
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Test Method

This test measures the levels emanating from the EUT, thus evaluating the potential for the EUT to cause radio frequency interference to other electronic devices. Testing was performed in accordance with the test standard(s) referenced in the test summary section of this report. The Equipment Under Test (EUT) was configured based upon the requirements of the applicable test standard. Initially a scan was made with an EMC Analyzer, controlled by EMC Test Software, Tile7!, from 150 kHz to 30 MHz on each phase with the receiver in the peak mode. The measuring bandwidth was set up 9 kHz. Measurements were then made using CISPR16-1 quasi peak and averaging detectors when the peak readings were within 10dB of the Quasi-peak limit line.

Test Setup

The EUT was placed on a 0.8m non-conducting table above GRP.



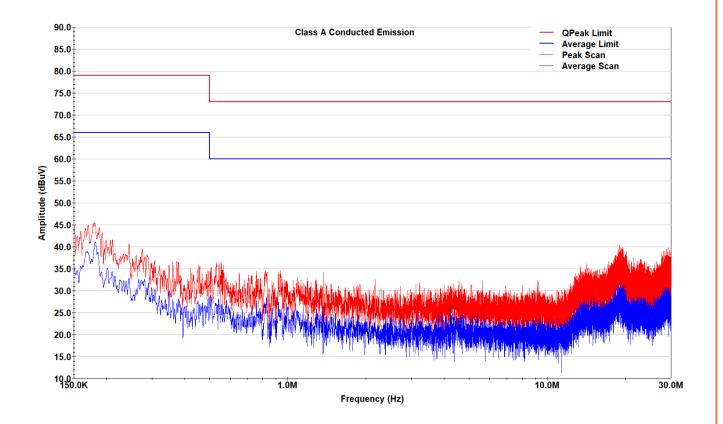
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Measurement data and Plot

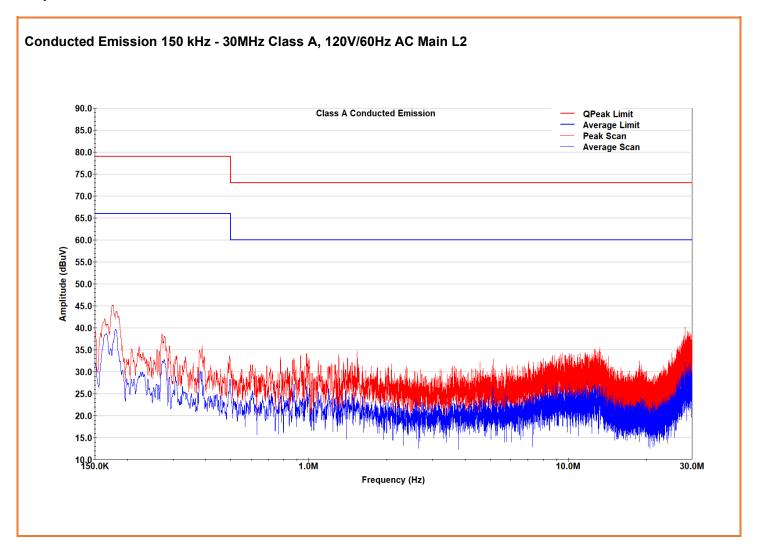
Note:

Conducted Emission (dBuV) = Measured Emission (dBuV) + Correction Factor (dB) Correction Factor (dB) = LISN Transduce Factor (dB) + Cable loss(dB) + 20 dB limiter(dB)

Conducted Emission 150 kHz - 30MHz Class A, 120V/60Hz AC Main L1



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Annex

Annex 1 – Measurement Uncertainties

Where relevant, the following measurement uncertainty levels have been estimated for tests:

Parameter	Uncertainty
Radio Frequency	± 1 ppm
Total RF Power: Conducted	± 1 dB
RF Power Density: Conducted	± 2.75 dB
Spurious Emissions: Conducted	± 3.0 dB
Temperature	± 1.0 °C
Humidity	± 5.0 %
DC and Low Frequency Voltages	± 3.0 %
Radiated Emission, 30 to 6,000MHz	± 4.93 dB
Conducted Measurements, 0.15 to 30MHz	± 3.52 dB

Uncertainty figures are valid to a confidence level of 95%.

Annex 2 - ISO 17025 ACCREDITATION CERTIFICATE

For complete scope of certification use

https://labtestcert.com/wp-content/uploads/2023/07/LabTestCertificationCertScope-V017.pdf

END OF REPORT