Report No.: FR8O1751-07AA



RADIO TEST REPORT

FCC ID

: XIA-IFWA-40

Equipment

: Wireless Home Internet

Brand Name

: Netcomm

Model Name

: IFWA-40

Applicant

: NetComm Wireless Pty Ltd

Level 5, 18-20 Orion Road Lane Cove NSW 2066

Australia

Manufacturer

: NetComm Wireless Pty Ltd

Level 5, 18-20 Orion Road Lane Cove NSW 2066

Australia

Standard

: 47 CFR FCC Part 15.247

The product was received on Mar. 16, 2021, and testing was started from Mar. 17, 2021 and completed on May 07, 2021. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full,

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)

TEL: 886-3-656-9065 FAX: 886-3-656-9085

Report Template No.: CB-A10_10 Ver1.3

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: Jun. 01, 2021

Report Version : 01

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Appendix A. Test Results of AC Power-line Conducted Emissions

Appendix B. Test Results of Emissions in Restricted Frequency Bands

Appendix C. Test Photos

Photographs of EUT v01

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History of this test report

Report No. : FR8O1751-07AA

Report No.	Version	Description	Issued Date
FR8O1751-07AA	01	Initial issue of report	Jun. 01, 2021

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Summary of Test Result

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Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen

Report Producer: Vicky Huang

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1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), ac (VHT20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), ac (VHT40)	2422-2452	3-9 [7]

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Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11ac VHT20	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX
2.4-2.4835GHz	802.11ac VHT40	40	2TX

Note:

- ◆ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

						Gain (dBi)		
Ant.	Port	Brand	Model Name	Model Name Antenna Type Connector		2.4G	5G Band 1	5G Band 4
1	1	Netcomm	-	Printed PIFA Antenna	N/A	5.17	-	-
2	2	Netcomm	-	Printed PIFA Antenna	N/A	3.9	-	-
3	1	Netcomm	-	Printed PIFA Antenna	N/A	-	5	4.45
4	2	Netcomm	-	Printed PIFA Antenna	N/A	-	5.79	5.1

Note: The above information was declared by manufacturer.

Note: The EUT has four WLAN antennas.

For WLAN 2.4GHz (2TX/2RX):

Ant. 1 (Port 1) and Ant. 2 (Port 2) could transmit/receive simultaneously.

For WLAN 5GHz (2TX/2RX):

Ant. 3 (Port 1) and Ant. 4 (Port 2) could transmit/receive simultaneously.

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1.1.3 EUT Operational Condition

		From Power Adapter or Lithium-ion Battery Pack (For backup purposes only during a power outage)			
Beamforming Function With b		With beamforming	\boxtimes	Without beamforming	
Function		☑ Point-to-multipoint ☐ Point-to-point		Point-to-point	
Test Software Version		CT (ver.4.0.00088)			

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Note: The above information was declared by manufacturer.

1.1.4 Table for Multiple Source Listing

There are two sources of Crystal and DRAM, the detail information as following:

Source	urce Crystal DRAM memory		
Main	Kyocera - CX2016DB48000E0DLFA1	Winbond Electronics p/n: W632GU6MB-12	
Second Siward - XTL501100-P120-137		ESMT p/n: M15T2G16128A-DEBG2R	

Note: The above information was declared by manufacturer.

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1.1.5 Table for Class II Change

This product is an extension of original one reported under Sporton project number: FR8O1751AA Below is the table for the change of the product with respect to the original one.

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Modifications	Performance Checking
1. Removing 1x capacitor C305 only , C305 pcb trace is not	AC Power-line Conducted Emissions
related to WWAN or WIFI, It's related to ethernet connection, address a booting up and packet loss pinging issue.	Radiated Emission below 1GHz
	Radiated Emission below 1GHz
	Radiated Emission above 1GHz
Adding the second source of crystal and DRAM memory.	After evaluating, the worst case is
Adding the second source of crystal and brain memory.	found at 802.11b CH6, and based on
	original power to retest this channel
	only.
3. Changing the applicant's company and manufacturer's	
company to "NetComm Wireless Pty Ltd" from "NetComm	
Wireless Limited".	
4. Changing the applicant address and manufacturer address	After evaluating it does not need to
to "Level 5, 18-20 Orion Road Lane Cove NSW 2066	re-test.
Australia" from "18-20 Orion Road Lane Cove NSW 2066	
Australia"	
5. Changing the FCC ID to "XIA-IFWA-40" from "XIA-IFWA40"	

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1.2 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

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- 47 CFR FCC Part 15.247
- ANSI C63.10-2013

The following reference test guidance is not within the scope of accreditation of TAF.

- FCC KDB 558074 D01 v05r02
- FCC KDB 662911 D01 v02r01
- FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing	Location	Information
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Test Lab.: Sporton International Inc. Hsinchu Laboratory

Hsinchu ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)

(TAF: 3787) TEL: 886-3-656-9065 FAX: 886-3-656-9085

Test site Designation No. TW3787 with FCC.

Conformity Assessment Body Identifier (CABID) TW3787 with ISED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
Radiated (Below 1GHz-Mode 1)	03CH03-CB	Bruce Yang	20.2~21.3 / 56~58	Mar. 17, 2021
Radiated (Below 1GHz-Mode 2)	03CH05-CB	Cola Fan	21.4-22.5 / 55-57	May 07, 2021
Radiated (Above 1GHz)	03CH02-CB Cast		20.2-21.3 / 55-57	May 07, 2021
AC Conduction	CO01-CB	Wei Li	23~24 / 57~59	Mar. 18, 2021

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.0 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.9 dB	Confidence levels of 95%

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2 Test Configuration of EUT

2.1 The Worst Case Measurement Configuration

Th	The Worst Case Mode for Following Conformance Tests							
Tests Item AC power-line conducted emissions								
Condition AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz								
Operating Mode Normal Link								
After evaluating, EUT(Main	rformed testing at the WCDMA Band 2 and LTE Band 5. n Source) Normal Link with LTE Band 5 has been evaluated to be the worst case us measurement will follow this same test configuration.							
1 EUT(Main Source)T Normal Link with LTE Band 5 and WLAN with Adapter								

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Th	e Worst Case Mode for Following Conformance Tests				
Tests Item	Emissions in Restricted Frequency Bands				
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.				
Operating Mode < 1GHz	Normal Link				
The EUT(Main Source) pe After evaluating, EUT(Ma	rformed testing at the WCDMA Band 2 and LTE Band 5. rformed testing at the Z-axis and Y-axis. in Source) Normal Link with WCDMA Band 2 and EUT in Z axis has been it case from original test report, thus measurement will follow this same test				
1	EUT(Main Source) in Z axis Normal Link with WCDMA Band 2 and WLAN with Adapter				
2	EUT(Second Source) in Z axis Normal Link with WCDMA Band 2 and WLAN with Adapter				
Mode 1 generated the wor	st test result, so it was recorded in this report.				
Operating Mode > 1GHz	СТХ				
	t Y axis and Z axis position for Radiated emission above 1GHz test, and the worst is from original test report. So the measurement will follow this same test				
1	EUT(Second Source) in Z axis				

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2.2 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.3 Accessories

	Accessories										
No.	Equipment Name	Brand Name	Model Name	Rating							
1	Adapter	DVE/CUI	Input: 100-240V~50/60Hz, 0.6A Output: +9V, 2A								
2	Lithium-ion Battery	NetComm	BAT-40	3.7VDC, 3000mAh, 11.1Wh							

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2.4 Support Equipment

For AC Conduction:

		Support Equipment									
No.	Equipment	Brand Name	Model Name	FCC ID							
Α	NB	DELL	E6430	N/A							
В	NB	DELL	E6430	N/A							
С	NB	DELL	E6430	N/A							
D	LTE base station	Anritsu	MT8820C	N/A							
Е	Phone	SAMPO	HT-B 907WL	N/A							
F	Phone	SAMPO	HT-B 907WL	N/A							
G	SIM card	N/A	N/A	N/A							

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For Radiated (below 1GHz):

		Support Equ	ipment	
No.	Equipment	Brand Name	Model Name	FCC ID
Α	NB	DELL	E4300	N/A
В	NB	DELL	E4300	N/A
С	NB	DELL	E4300	N/A
D	LTE base station	Anritsu	MT8820C	N/A
Е	Phone	PHILIPS	M20	N/A
F	Phone	PHILIPS	M20	N/A
G	SIM card	Anritsu	N/A	N/A

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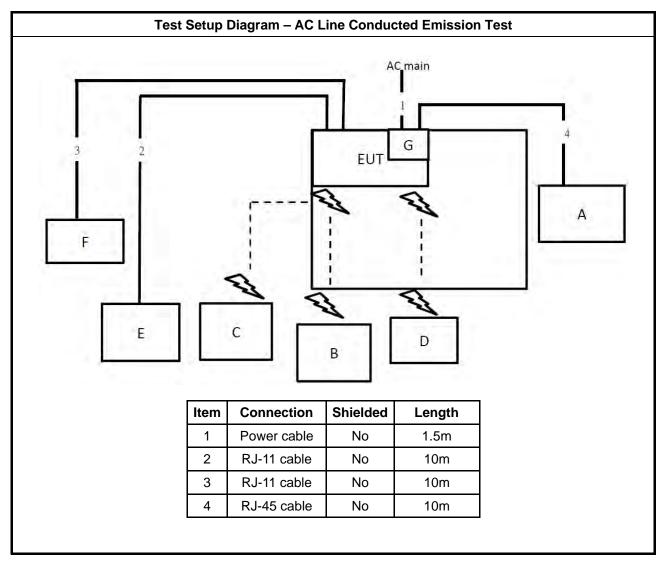
For Radiated (above 1GHz):

Support Equipment									
No.	No. Equipment Brand Name Model Name FCC ID								
Α	A NB DELL E4300 N/A								

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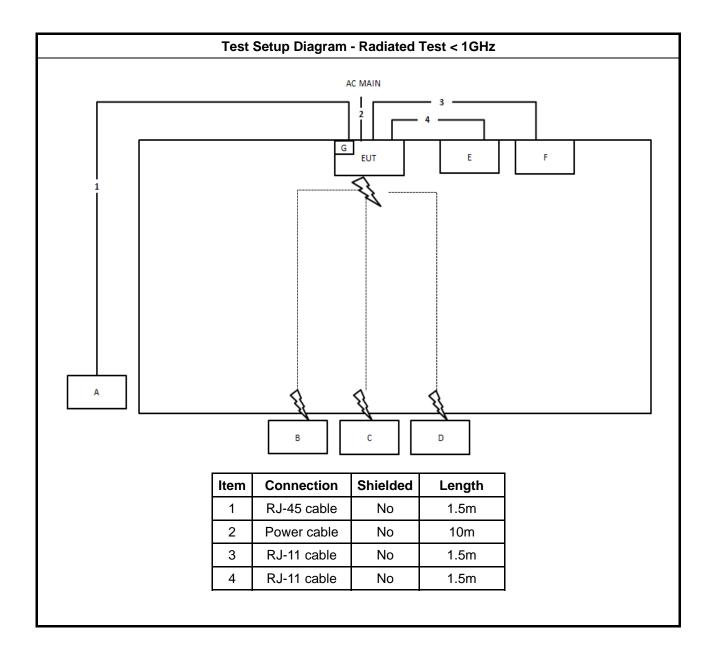


2.5 Test Setup Diagram

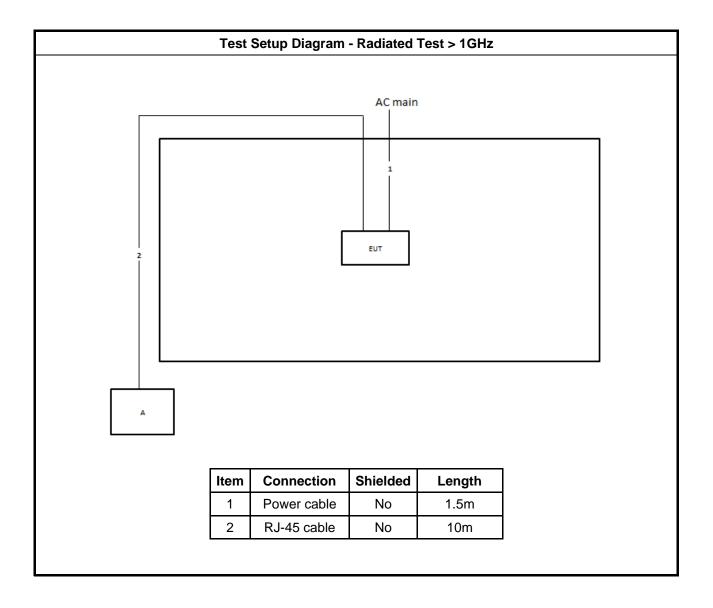


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3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit									
Frequency Emission (MHz) Quasi-Peak Average									
0.15-0.5 66 - 56 * 56 - 46 *									
0.5-5	56	46							
5-30	60	50							
Note 1: * Decreases with the logarithm of the frequency.									

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3.1.2 Measuring Instruments

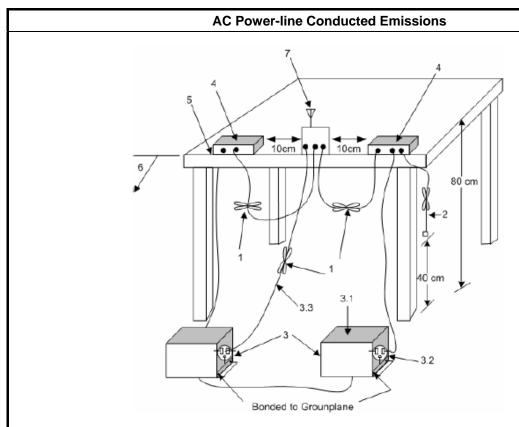
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method
Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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3.1.4 Test Setup



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.

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- 2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- 3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
- 3.1—All other equipment powered from additional LISN(s).
- 3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
- 3.3—LISN at least 80 cm from nearest part of EUT chassis.
- 4—Non-EUT components of EUT system being tested.
- 5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
- 6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
- 7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- a. Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- b. Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

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3.2 Emissions in Restricted Frequency Bands

3.2.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions Limit									
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)						
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300						
0.490~1.705	24000/F(kHz)	33.8 - 23	30						
1.705~30.0 30		29	30						
30~88	100	40	3						
88~216	150	43.5	3						
216~960	200	46	3						
Above 960	500	54	3						

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- Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).
- Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.
- Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

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3.2.3 Test Procedures

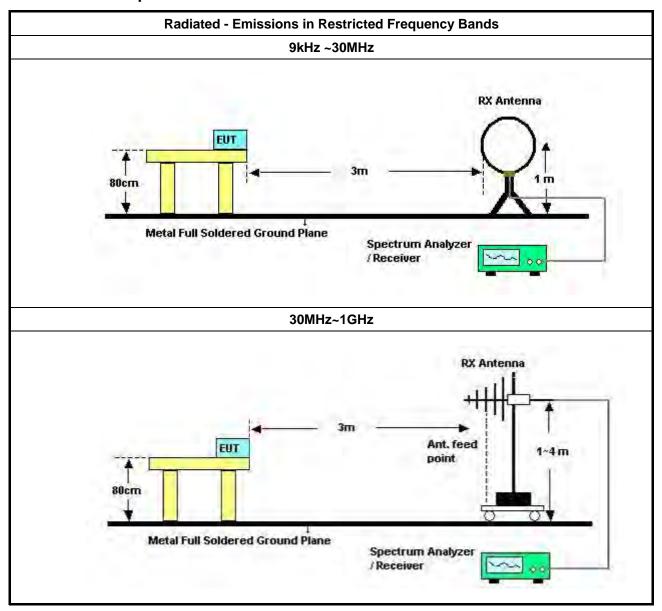
		Test Method									
•	The	average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].									
•		er as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency and highest frequency channel within the allowed operating band.									
•	For	the transmitter unwanted emissions shall be measured using following options below:									
	Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.										
	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for ducycle ≥98%).										
	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + c factor).										
	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW≥1/T).										
	 Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse t Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions. 										
		Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.									
•	For	the transmitter band-edge emissions shall be measured using following options below:									
	•	Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.									
	•	Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.									
	•	Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).									
	•	For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB									
	•	For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.									

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3.2.4 Test Setup



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3.2.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.2.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.2.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix B

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4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 03, 2021	Mar. 02, 2022	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50- 16-2	04083	150kHz ~ 100MHz	Jan. 06, 2021	Jan. 05, 2022	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 20, 2020	Nov. 19, 2021	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 30, 2021	Jan. 29, 2022	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 20, 2020	May 19, 2021	Conduction (CO01-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 10, 2020	Aug. 09, 2021	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 26, 2021	Mar. 25, 2022	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 27, 2021	Apr. 26, 2022	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Nov. 10, 2020	Nov. 09, 2021	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESR7	102171	9kHz ~ 26GHz	Jul. 01, 2020	Jun. 30, 2021	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 14, 2021	Apr. 13, 2022	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH03-CB	30 MHz ~ 1 GHz	Jan. 27, 2021	Jan. 26, 2022	Radiation (03CH03-CB)
Bilog Antenna with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	2928 & AT-N0608	20MHz ~ 2GHz	Feb. 22, 2021	Feb. 21, 2022	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 11, 2021	Jan. 10, 2022	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 09, 2020	Jun. 08, 2021	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 13, 2020	May 12, 2021	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+29	30MHz ~ 1GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH03-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 13, 2020	Apr. 12, 2021	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)

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Calibration Calibration Model No. Serial No. Characteristics Remark Instrument **Brand** Date **Due Date** 3m Semi Anechoic 1GHz ~18GHz Radiation 03CH02-CB RIKEN SAC-3M Mar. 27, 2021 Mar. 26, 2022 Chamber 3m (03CH02-CB) **VSWR** Radiation Horn Antenna **EMCO** 3115 9610-4976 1GHz ~ 18GHz May 04, 2021 May 03, 2022 (03CH02-CB) Radiation Horn Antenna Schwarzbeck **BBHA 9170** BBHA9170252 15GHz ~ 40GHz Jul. 21, 2020 Jul. 20, 2021 (03CH02-CB) Radiation Pre-Amplifier Agilent 83017A MY39501305 1GHz ~ 26.5GHz Jul. 13, 2020 Jul. 12, 2021 (03CH02-CB) Radiation Spectrum R&S FSU 100015 9kHz~26GHz Oct. 15, 2020 Oct. 14, 2021 (03CH02-CB) analyzer Radiation High Cable-18 RF Cable-high Woken RG402 1GHz ~ 18GHz Oct. 05, 2020 Oct. 04, 2021 (03CH02-CB) High Radiation RF Cable-high Woken RG402 18GHz ~ 40 GHz Jul. 16, 2020 Jul. 15, 2021 Cable-40G#1 (03CH02-CB) High Cable-18+19 Radiation RF Cable-high Woken RG402 1GHz ~ 18GHz Oct. 05, 2020 Oct. 04, 2021 (03CH02-CB) Radiation High RF Cable-high Woken RG402 18GHz ~ 40 GHz Jul. 16, 2020 Jul. 15, 2021 Cable-40G#2 (03CH02-CB) Radiation **SPORTON** SENSE V5.10 N.C.R. N.C.R. Test Software (03CH02-CB)

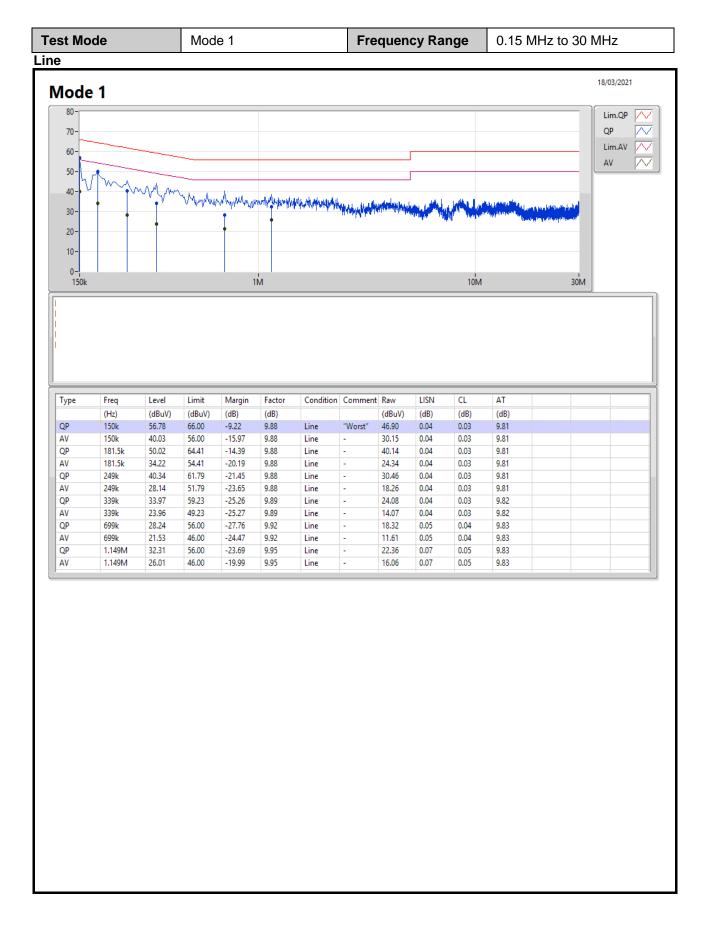
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Note: Calibration Interval of instruments listed above is one year. NCR means Non-Calibration required.

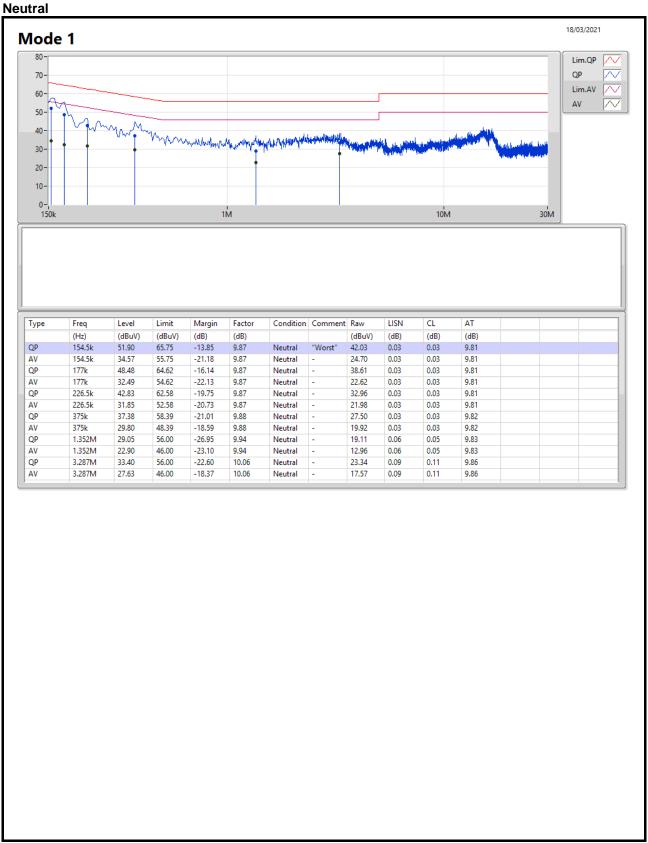
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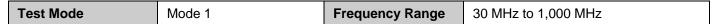


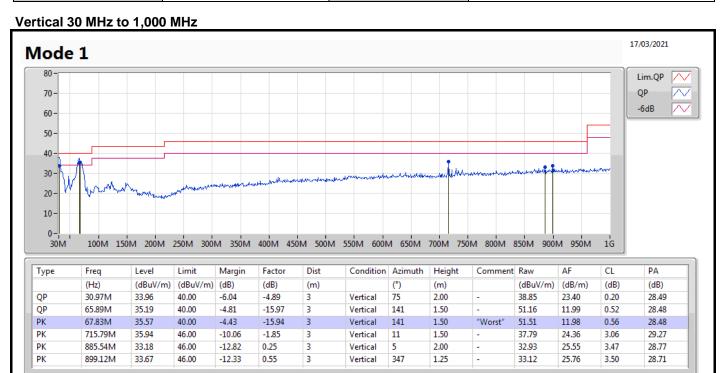




Radiated Emissions below 1GHz

Appendix B.1





PK

955.38M

32.28

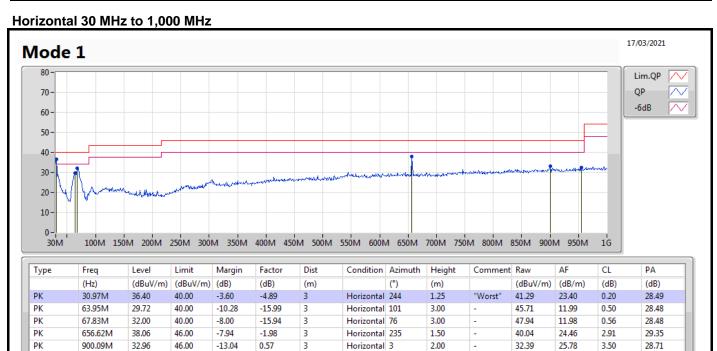
46.00

-13.72

0.91

3





Horizontal 340

2.00

31.37

25.93

3.52

28.54



RSE TX above 1GHz

Appendix B.2

Summary

Mode	Result	Туре	Freq	Level	Limit	Margin	Dist	Condition	Azimuth	Height	Comments
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(m)		(°)	(m)	
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	4.87392G	50.65	54.00	-3.35	3	Horizontal	9	2.71	-



