

Starkey Laboratories, Inc.

Edge AI CIC

FCC 15.247:2024

RSS-247 Issue 3:2023

RSS-Gen Issue 5:2018+A1:2019+A2:2021

Bluetooth Low Energy (DTS) Radio

Report: STAK0333.3 Rev. 0, Issue Date: July 2, 2024

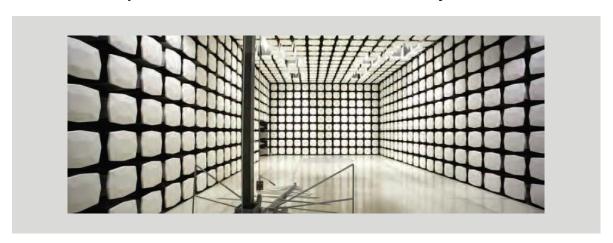






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CERTIFICATE OF TEST



Last Date of Test: June 11, 2024 Starkey Laboratories, Inc. EUT: Edge Al CIC

Radio Equipment Testing

Standards

Specification	Method
FCC 15.247:2024	
RSS-247 Issue 3:2023	ANSI C63.10:2013
RSS-Gen Issue 5:2018+A1:2019+A2:2021	

Guidance

FCC KDB 558074 v05r02:2019 Notice 2021 - CEB0001

Results

Test Description	Result	FCC Section(s)	RSS Section(s)	ANSI C63.10 Section(s)	Comments
Powerline Conducted Emissions	N/A	15.207	RSS-Gen 8.8	6.2	Not required for a battery powered EUT.
Occupied Bandwidth (99%)	Pass	KDB 558074 -2.1	RSS-Gen 6.7	6.9.3	
Duty Cycle	Pass	KDB 558074 -6.0	RSS-Gen 3.2	11.6	
DTS Bandwidth (6 dB)	Pass	15.247(a)(2), KDB 558074 -8.2	RSS-247 5.2(a)	11.8.2	
Output Power	Pass	15.247(b)(3), KDB 558074 -8.3.1	RSS-247 5.4(d, f), RSS-Gen 6.12	11.9.1.1	
Equivalent Isotropic Radiated Power	Pass	15.247(b)(3), KDB 558074 -8.3.1	RSS-247 5.4(d, f), RSS-Gen 6.12	11.9.1.1	
Power Spectral Density	Pass	15.247(e), KDB 558074 -8.4	RSS-247 5.2(b)	11.10.2	
Band Edge Compliance	Pass	15.247(d), KDB 558074 -8.5	RSS-247 5.5	11.11	
Spurious Conducted Emissions	Pass	15.247(d), KDB 558074 -8.5	RSS-247 5.5	11.11	
Spurious Radiated Emissions	Pass	15.247(d), KDB 558074 - 8.6, 8.7	RSS-247 5.5, RSS-Gen 6.13, 8.10	11.12.1, 11.13.2, 6.5, 6.6	

Product compliance is the responsibility of the client; therefore, the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test. This report reflects only those tests from the referenced standards shown in the certificate of test. It does not include inspection or verification of labels, identification, marking or user information. As indicated in the Statement of Work sent with the quotation, Element's standard process is to always use the latest published version of the test methods even when earlier versions are cited in the test specification. Issuance of a purchase order was de facto acceptance of this approach. Otherwise, the client would have advised Element in writing of the specific version of the test methods they wanted applied to the subject testing.

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CERTIFICATE OF TEST



Deviations From Test Standards

None

Approved By:

Mark Baytan, Department Manager Signed for and on behalf of Element

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REVISION HISTORY



5/57

Revision Number	Description	Date (yyyy-mm-dd)	Page Number
00	None		

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ACCREDITATIONS AND AUTHORIZATIONS



United States

FCC - Designated by the FCC as a Telecommunications Certification Body (TCB). Certification chambers, Open Area Test Sites, and conducted measurement facilities are listed with the FCC.

A2LA - Each laboratory is accredited by A2LA to ISO / IEC 17025, and as a product certifier to ISO / IEC 17065 which allows Element to certify transmitters to FCC and IC specifications.

Canada

ISED - Recognized by Innovation, Science and Economic Development Canada as a Certification Body (CB) and as a CAB for the acceptance of test data.

European Union

European Commission - Recognized as an EU Notified Body validated for the EMCD and RED Directives.

United Kingdom

BEIS - Recognized by the UK as an Approved Body under the UK Radio Equipment and UK EMC Regulations.

Australia/New Zealand

ACMA - Recognized by ACMA as a CAB for the acceptance of test data.

Korea

MSIT / RRA - Recognized by KCC's RRA as a CAB for the acceptance of test data.

Japan

VCCI - Associate Member of the VCCI. Conducted and radiated measurement facilities are registered.

Taiwan

BSMI – Recognized by BSMI as a CAB for the acceptance of test data.

NCC - Recognized by NCC as a CAB for the acceptance of test data.

Singapore

IDA – Recognized by IDA as a CAB for the acceptance of test data.

Israel

MOC - Recognized by MOC as a CAB for the acceptance of test data.

Hong Kong

OFCA - Recognized by OFCA as a CAB for the acceptance of test data.

Vietnam

MIC - Recognized by MIC as a CAB for the acceptance of test data.

SCOPE

For details on the Scopes of our Accreditations, please visit:

<u>California</u> <u>Minnesota</u> <u>Oregon</u> <u>Texas</u> <u>Washington</u>

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FACILITIES

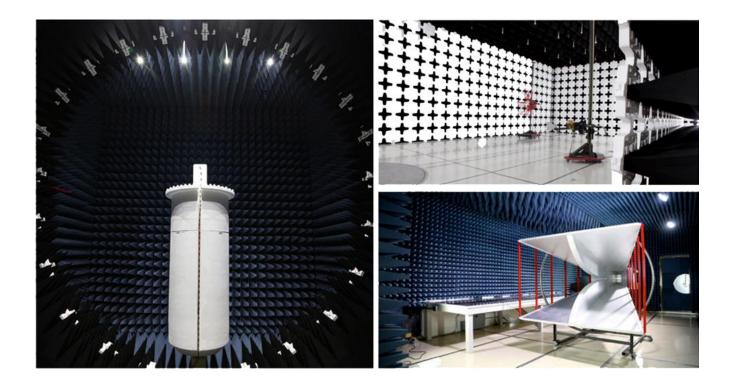


Testing was performed at the following location(s)

	Location	Labs (1)	Address	A2LA (2)	ISED (3)	BSMI (4)	VCCI (5)	CAB (6)	FDA (7)
	California	OC01-17	41 Tesla Irvine, CA 92618 (949) 861-8918	3310.04	2834B	SL2-IN-E-1154R	A-0029	US0158	TL-55
×	Minnesota	MN01-11	9349 W Broadway Ave. Brooklyn Park, MN 55445 (612) 638-5136	3310.05	2834E	SL2-IN-E-1152R	A-0109	US0175	TL-57
	Oregon	EV01-12	6775 NE Evergreen Pkwy #400 Hillsboro, OR 97124 (503) 844-4066	3310.02	2834D	SL2-IN-E-1017	A-0108	US0017	TL-56
	Texas	TX01-09	3801 E Plano Pkwy Plano, TX 75074 (469) 304-5255	3310.03	2834G	SL2-IN-E-1158R	A-0201	US0191	TL-54
	Washington	NC01-05	19201 120th Ave NE Bothell, WA 98011 (425) 984-6600	3310.06	2834F	SL2-IN-E-1153R	A-0110	US0157	TL-67
	Offsite	N/A	See Product Description	N/A	N/A	N/A	N/A	N/A	N/A

See data sheets for specific labs

- The lab designations denote individual rooms within each location. (OC01, OC02, OC03, etc.)
 AZLA Certificate No.
 ISED Company No.
 BSMI No.
 VCCI Site Filing No.
 CAB Identifier. Recognized Phase I CAB for ISED, ACMA, BSMI, IDA, KCC/RRA, MIC, MOC, NCC, OFCA FDA ASCA No.



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MEASUREMENT UNCERTAINTY



Measurement Uncertainty

When a measurement is made, the result will be different from the true or theoretically correct value. The difference is the result of tolerances in the measurement system that cannot be completely eliminated. To the extent that technology allows us, it has been our aim to minimize this error. Measurement uncertainty is a statistical expression of measurement error qualified by a probability distribution.

A measurement uncertainty estimation has been performed for each test per our internal quality document QM205.4.6. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty (K=2) can be found in the table below. A lab specific value may also be found in the applicable test description section. Our measurement data meets or exceeds the measurement uncertainty requirements of the applicable specification; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for estimating measurement uncertainty are based upon ETSI TR 100 028 (or CISPR 16-4-2 as applicable), and are available upon request.

The following table represents the Measurement Uncertainty (MU) budgets for each of the tests that may be contained in this report.

Test	+ MU	- MU
Frequency Accuracy	0.0007%	-0.0007%
Amplitude Accuracy (dB)	1.2 dB	-1.2 dB
Conducted Power (dB)	1.2 dB	-1.2 dB
Radiated Power via Substitution (dB)	0.7 dB	-0.7 dB
Temperature (degrees C)	0.7°C	-0.7°C
Humidity (% RH)	2.5% RH	-2.5% RH
Voltage (AC)	1.0%	-1.0%
Voltage (DC)	0.7%	-0.7%
Field Strength (dB)	5.2 dB	-5.2 dB
AC Powerline Conducted Emissions (dB)	3.2 dB	-3.2 dB

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TEST SETUP BLOCK DIAGRAMS

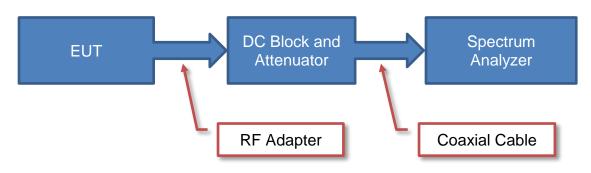


Measurement Bandwidths

Frequency Range (MHz)	Peak Data (kHz)	Quasi-Peak Data (kHz)	Average Data (kHz)
0.01 - 0.15	1.0	0.2	0.2
0.15 - 30.0	10.0	9.0	9.0
30.0 - 1000	100.0	120.0	120.0
Above 1000	1000.0	N/A	1000.0

Unless otherwise stated, measurements were made using the bandwidths and detectors specified. No video filter was used.

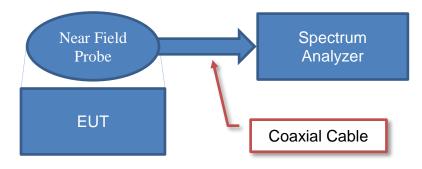
Antenna Port Conducted Measurements



Sample Calculation (logarithmic units)



Near Field Test Fixture Measurements



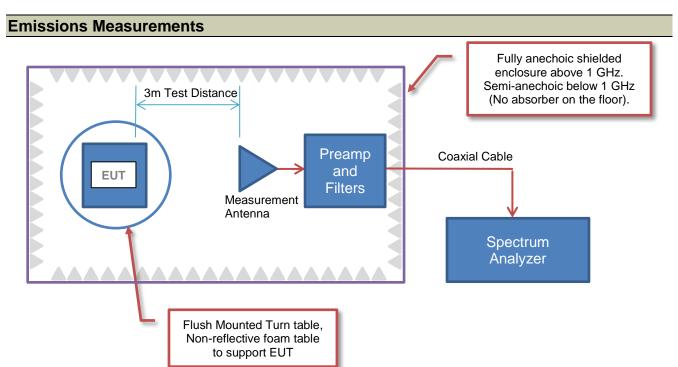
Sample Calculation (logarithmic units)

Measured Value		Measured Level		Reference Level Offset
71.2	=	42.6	+	28.6

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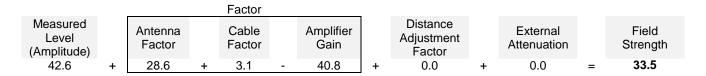
TEST SETUP BLOCK DIAGRAMS



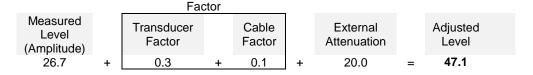


Sample Calculation (logarithmic units)

Radiated Emissions:



Conducted Emissions:



Radiated Power (ERP/EIRP) - Substitution Method:

Measured Level into Substitution Antenna (Amplitude dBm)		Substitution Antenna Factor (dBi)		EIRP to ERP (if applicable)		Measured power (dBm ERP/EIRP)
10.0	+	6.0	-	2.15	=	13.9/16.0

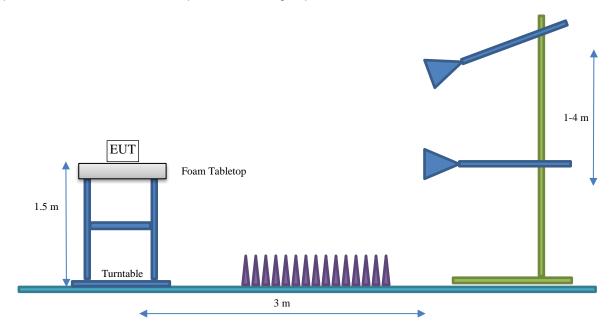
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TEST SETUP BLOCK DIAGRAMS



Bore Sighting (>1GHz)

The diameter of the illumination area is the dimension of the line tangent to the EUT formed by 3 dB beamwidth of the measurement antenna at the measurement distance. At a 3 meter test distance, the diameter of the illumination area was 3.8 meters at 1 GHz and greater than 2.1 meters up to 6 GHz. Above 1 GHz, when required by the measurement standard, the antenna is pointed for both azimuth and elevation to maintain the receive antenna within the cone of radiation from the EUT. The specified measurement detectors were used for comparison of the emissions to the peak and average specification limits.



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PRODUCT DESCRIPTION



Client and Equipment under Test (EUT) Information

Company Name:	Starkey Laboratories, Inc.
Address:	6600 Washington Ave S
City, State, Zip:	Eden Prairie, MN 55344-3404
Test Requested By:	Bill Mitchell
EUT:	Edge Al CIC
First Date of Test:	March 21, 2024
Last Date of Test:	June 11, 2024
Receipt Date of Samples:	March 20, 2024
Equipment Design Stage:	Prototype
Equipment Condition:	No Damage
Purchase Authorization:	Verified

Information Provided by the Party Requesting the Test

Functional Description of the EUT:	
Hearing aids with BLE	

Testing Objective:

To demonstrate compliance of the Bluetooth radio to FCC 15.247/RSS-247 requirements.

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POWER SETTINGS AND ANTENNAS



The power settings, antenna gain value(s) and cable loss (if applicable) used for the testing contained in this report were provided by the customer and will affect the validity of the results. Element assumes no responsibility for the accuracy of this information. The power settings below reflect the maximum power that the EUT is allowed to transmit at during normal operation.

ANTENNA GAIN (dBi)

Type	Provided by:	Frequency Range (MHz)	Gain (dBi)
Flexible Antenna	Starkey Laboratories, Inc	2400-2485	-2.72

The EUT was tested using the power settings provided by the manufacturer which were based upon:

- ☐ Test software settings
- □ Rated power settings

FW Version 10.0.0.12.0 SW Version Monaco 7.0.2.0

SETTINGS FOR ALL TESTS IN THIS REPORT

Modulation Types / Data Rates	Туре	Channel	Frequency (MHz)	Power Setting (dBm)
		0 or 37	2402	4
BLE GFSK 1 Mbps	DTS	20 or 18	2440	4
		39	2480	4
		0 or 37	2402	4
BLE GFSK 2 Mbps	DTS	20 or 18	2440	4
		39	2480	4

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CONFIGURATIONS



Configuration STAK0346-1

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
Edge Al CIC 312	Starkey	P00003299	2911339784

Configuration STAK0346-5

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
Edge AI CIC 312 (conducted)	Starkey	P00003299	2911339744

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MODIFICATIONS



Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	2024-05-21	Spurious Radiated Emissions	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
2	2024-06-11	Duty Cycle	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
3	2024-06-11	DTS Bandwidth (6 dB)	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
4	2024-06-11	Output Power	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
5	2024-06-11	Occupied Bandwidth (99%)	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
6	2024-06-11	Equivalent Isotropic Radiated Power	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
7	2024-06-11	Power Spectral Density	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
8	2024-06-11	Spurious Conducted Emissions	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
9	2024-06-11	Band Edge Compliance	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

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TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The 99% occupied bandwidth was measured with the EUT configured for continuous modulated operation.

Per ANSI C63.10:2013, 6.9.3, the spectrum analyzer was configured as follows:

The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts.

The resolution bandwidth (RBW) of the spectrum analyzer was set to the range of 1% to 5% of the occupied bandwidth (OBW) and video bandwidth (VBW) bandwidth was set to at least 3 times the resolution bandwidth. The analyzer sweep time was set to auto to prevent video filtering or averaging. A sample detector was used unless the device was not able to be operated in a continuous transmit mode, in which case a peak detector was used.

The spectrum analyzer occupied bandwidth measurement function was used to sum the power of the transmission in linear terms to obtain the 99% bandwidth.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Agilent	N5182A	TIF	2023-07-27	2026-07-27
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFM	2024-05-22	2025-05-22
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2023-09-05	2024-09-05
Block - DC	Fairview Microwave	SD3379	ANH	2023-09-05	2024-09-05
Attenuator	S.M. Electronics	SA26B-20	RFW	2024-01-31	2025-01-31

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EUT:	Edge Al CIC	Work Order:	STAK0346
Serial Number:	2911339744	Date:	2024-06-11
Customer:	Starkey Laboratories, Inc.	Temperature:	22°C
Attendees:	John Quach	Relative Humidity:	47.6%
Customer Project:	None	Bar. Pressure (PMSL):	1008 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN11
Power:	Zinc-air Battery	Configuration:	STAK0346-5

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.247:2024	ANSI C63.10:2013
RSS-247 Issue 3:2023	ANSI C63.10:2013

COMMENTS

+4dBm Power Setting

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

N/A

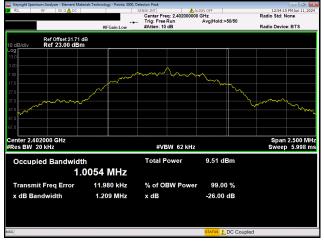
Tested By

TEST RESULTS

		Value	Limit	Result
BLE/GFSK 1 Mbps				
	Low Channel, 2402 MHz	1.005 MHz	N/A	N/A
	Mid Channel, 2442 MHz	1.01 MHz	N/A	N/A
	High Channel, 2480 MHz	1.012 MHz	N/A	N/A
BLE/GFSK 2 Mbps				
	Low Channel, 2402 MHz	2.004 MHz	N/A	N/A
	Mid Channel, 2442 MHz	2.003 MHz	N/A	N/A
	High Channel, 2480 MHz	2 MHz	N/A	N/A

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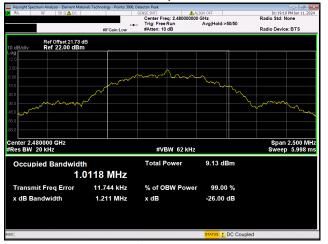






BLE/GFSK 1 Mbps Low Channel, 2402 MHz

BLE/GFSK 1 Mbps Mid Channel, 2442 MHz





BLE/GFSK 1 Mbps High Channel, 2480 MHz

BLE/GFSK 2 Mbps Low Channel, 2402 MHz

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BLE/GFSK 2 Mbps High Channel, 2480 MHz

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TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The RF duty cycle was measured with the EUT set to the channels and modes called out in the data sheets.

TEST EQUIPMENT

I E O I E Q O II III E I I I					
Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Agilent	N5182A	TIF	2023-07-27	2026-07-27
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFM	2024-05-22	2025-05-22
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2023-09-05	2024-09-05
Block - DC	Fairview Microwave	SD3379	ANH	2023-09-05	2024-09-05
Attenuator	S.M. Electronics	SA26B-20	RFW	2024-01-31	2025-01-31
Meter - Power	ETS Lindgren	7002-008	SRA	2024-02-19	2025-02-19

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EUT:	Edge Al CIC	Work Order:	STAK0346
Serial Number:	2911339744	Date:	2024-06-11
Customer:	Starkey Laboratories, Inc.	Temperature:	22.1°C
Attendees:	John Quach	Relative Humidity:	48.2%
Customer Project:	None	Bar. Pressure (PMSL):	1009 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN11
Power:	Zinc-air Battery	Configuration:	STAK0346-5
rowei.	Zinc-an Battery	Cornigulation.	31AN0340-3

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.247:2024	ANSI C63.10:2013
RSS-247 Issue 3:2023	ANSI C63.10:2013
RSS-Gen Issue 5:2018+A1 2019+ A2:2021	ANSI C63.10:2013

COMMENTS

+4dBm Power Setting

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

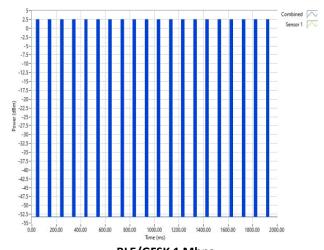
N/A

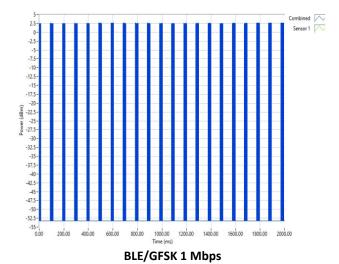
Tested By

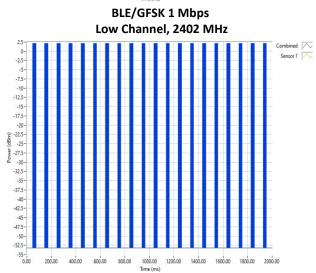
TEST RESULTS

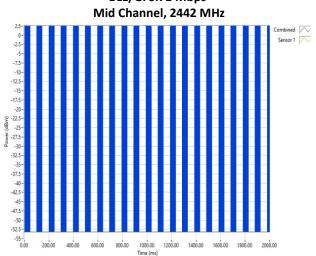
		Duty	Describe
BLE/GFSK 1 Mbps		Cycle (%)	Results
	Low Channel, 2402 MHz	16.947	N/A
	Mid Channel, 2442 MHz	16.623	N/A
	High Channel, 2480 MHz	18.589	N/A
BLE/GFSK 2 Mbps			
	Low Channel, 2402 MHz	15.629	N/A
	Mid Channel, 2442 MHz	16.737	N/A
	High Channel, 2480 MHz	16.695	N/A









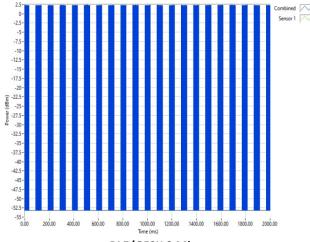


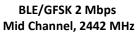
BLE/GFSK 1 Mbps High Channel, 2480 MHz

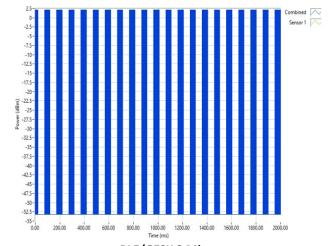
BLE/GFSK 2 Mbps Low Channel, 2402 MHz

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BLE/GFSK 2 Mbps High Channel, 2480 MHz

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TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The EUT was set to the channels and modes listed in the datasheet.

The 6dB DTS bandwidth was measured using 100 kHz resolution bandwidth and 300 kHz video bandwidth. The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Agilent	N5182A	TIF	2023-07-27	2026-07-27
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFM	2024-05-22	2025-05-22
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2023-09-05	2024-09-05
Block - DC	Fairview Microwave	SD3379	ANH	2023-09-05	2024-09-05
Attenuator	S.M. Electronics	SA26B-20	RFW	2024-01-31	2025-01-31

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EUT:	Edge Al CIC	Work Order:	STAK0346
Serial Number:	2911339744	Date:	2024-06-11
Customer:	Starkey Laboratories, Inc.	Temperature:	22°C
Attendees:	John Quach	Relative Humidity:	47.7%
Customer Project:	None	Bar. Pressure (PMSL):	1008 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN11
Power:	Zinc-air Battery	Configuration:	STAK0346-5

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.247:2024	ANSI C63.10:2013
RSS-247 Issue 3:2023	ANSI C63.10:2013

COMMENTS

+4dBm Power Setting

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

Pass

Tested By

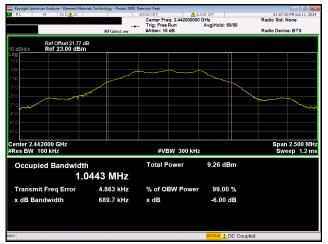
TEST RESULTS

			Limit	
		Value	(≥)	Result
BLE/GFSK 1 Mbps				
	Low Channel, 2402 MHz	686.105 kHz	500 kHz	Pass
	Mid Channel, 2442 MHz	689.656 kHz	500 kHz	Pass
	High Channel, 2480 MHz	676.169 kHz	500 kHz	Pass
BLE/GFSK 2 Mbps				
	Low Channel, 2402 MHz	1.161 MHz	500 kHz	Pass
	Mid Channel, 2442 MHz	1.158 MHz	500 kHz	Pass
	High Channel, 2480 MHz	1.18 MHz	500 kHz	Pass

Report No. STAK0333.3 25/57

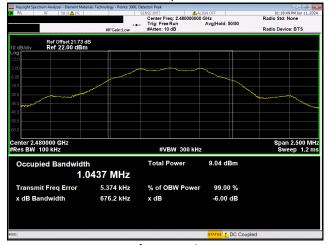


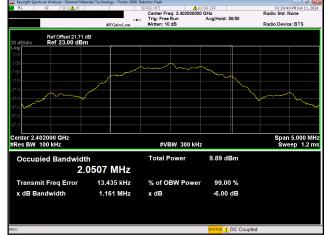




BLE/GFSK 1 Mbps Low Channel, 2402 MHz

BLE/GFSK 1 Mbps Mid Channel, 2442 MHz





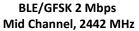
BLE/GFSK 1 Mbps High Channel, 2480 MHz

BLE/GFSK 2 Mbps Low Channel, 2402 MHz

Report No. STAK0333.3 26/57









BLE/GFSK 2 Mbps High Channel, 2480 MHz

Report No. STAK0333.3 27/57



TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The transmit frequency was set to the required channels in each band. The transmit power was set to its default maximum.

Prior to measuring peak transmit power the DTS bandwidth (B) was measured.

The method found in ANSI C63.10:2013 Section 11.9.1.1 was used because the RBW on the analyzer was greater than the DTS Bandwidth of the radio.

TEST EQUIPMENT

0 4 0					
Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Agilent	N5182A	TIF	2023-07-27	2026-07-27
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFM	2024-05-22	2025-05-22
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2023-09-05	2024-09-05
Block - DC	Fairview Microwave	SD3379	ANH	2023-09-05	2024-09-05
Attenuator	S.M. Electronics	SA26B-20	RFW	2024-01-31	2025-01-31

Report No. STAK0333.3



EUT:	Edge Al CIC	Work Order:	STAK0346
Serial Number:	2911339744	Date:	2024-06-11
Customer:	Starkey Laboratories, Inc.	Temperature:	22.1°C
Attendees:	John Quach	Relative Humidity:	48%
Customer Project:	None	Bar. Pressure (PMSL):	1008 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN11
Power:	Zinc-air Battery	Configuration:	STAK0346-5

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.247:2024	ANSI C63.10:2013
RSS-247 Issue 3:2023	ANSI C63.10:2013

COMMENTS

+4dBm Power Setting

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

Pass

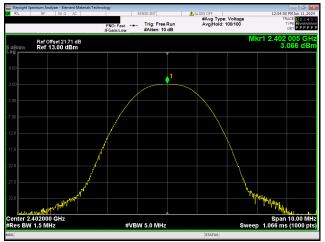
Tested By

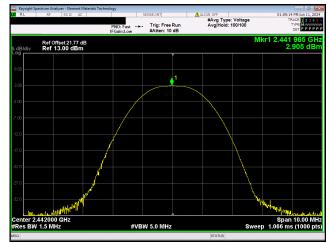
TEST RESULTS

		Out Pwr	Limit	
		(dBm)	(dBm)	Result
BLE/GFSK 1 Mbps				
	Low Channel, 2402 MHz	3.066	30	Pass
	Mid Channel, 2442 MHz	2.905	30	Pass
	High Channel, 2480 MHz	2.662	30	Pass
BLE/GFSK 2 Mbps				I
	Low Channel, 2402 MHz	3.1	30	Pass
	Mid Channel, 2442 MHz	2.922	30	Pass
	High Channel, 2480 MHz	2.7	30	Pass

Report No. STAK0333.3 29/57

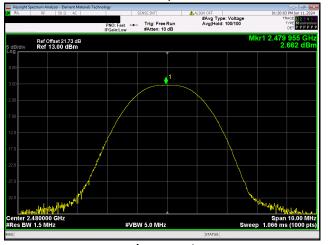


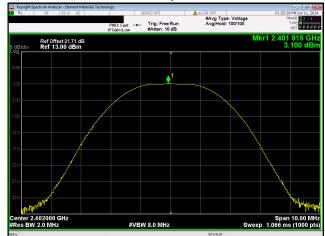




BLE/GFSK 1 Mbps Low Channel, 2402 MHz

BLE/GFSK 1 Mbps Mid Channel, 2442 MHz



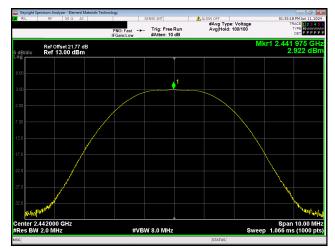


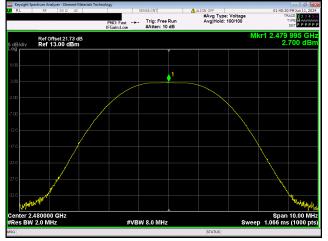
BLE/GFSK 1 Mbps High Channel, 2480 MHz

BLE/GFSK 2 Mbps Low Channel, 2402 MHz

Report No. STAK0333.3 30/57







BLE/GFSK 2 Mbps Mid Channel, 2442 MHz

BLE/GFSK 2 Mbps High Channel, 2480 MHz

Report No. STAK0333.3 31/57

EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)



TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The transmit frequency was set to the required channels in each band. The transmit power was set to its default maximum.

Prior to measuring peak transmit power the DTS bandwidth (B) was measured.

The method found in ANSI C63.10:2013 Section 11.9.1.1 was used because the RBW on the analyzer was greater than the DTS Bandwidth of the radio.

Equivalent Isotropic Radiated Power (EIRP) = Max Measured Power + Antenna gain (dBi)

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Agilent	N5182A	TIF	2023-07-27	2026-07-27
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFM	2024-05-22	2025-05-22
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2023-09-05	2024-09-05
Block - DC	Fairview Microwave	SD3379	ANH	2023-09-05	2024-09-05
Attenuator	S.M. Electronics	SA26B-20	RFW	2024-01-31	2025-01-31

Report No. STAK0333.3

EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)



EUT:	Edge Al CIC	Work Order:	STAK0346
Serial Number:	2911339744	Date:	2024-06-11
Customer:	Starkey Laboratories, Inc.	Temperature:	22°C
Attendees:	John Quach	Relative Humidity:	47.5%
Customer Project:	None	Bar. Pressure (PMSL):	1008 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN11
Power:	Zinc-air Battery	Configuration:	STAK0346-5

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.247:2024	ANSI C63.10:2013
RSS-247 Issue 3:2023	ANSI C63.10:2013

COMMENTS

+4dBm Power Setting

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

Pass

Tested By

TEST RESULTS

		Out Pwr	Antenna	EIRP	EIRP Limit	
		(dBm)	Gain (dBi)	(dBm)	(dBm)	Result
BLE/GFSK 1 Mbps						
	Low Channel, 2402 MHz	3.066	-2.72	0.346	36	Pass
	Mid Channel, 2442 MHz	2.905	-2.72	0.185	36	Pass
	High Channel, 2480 MHz	2.662	-2.72	-0.058	36	Pass
BLE/GFSK 2 Mbps						
	Low Channel, 2402 MHz	3.1	-2.72	0.38	36	Pass
	Mid Channel, 2442 MHz	2.922	-2.72	0.202	36	Pass
	High Channel, 2480 MHz	2.7	-2.72	-0.02	36	Pass

Report No. STAK0333.3 33/57

POWER SPECTRAL DENSITY



TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The maximum power spectral density measurements was measured using the channels and modes as called out on the following data sheets.

Per the procedure outlined in ANSI C63.10 the peak power spectral density was measured in a 3 kHz RBW.

TEST EQUIPMENT

1201 24011 III 2111								
Description	Manufacturer	Model	ID	Last Cal.	Cal. Due			
Generator - Signal	Agilent	N5182A	TIF	2023-07-27	2026-07-27			
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFM	2024-05-22	2025-05-22			
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2023-09-05	2024-09-05			
Block - DC	Fairview Microwave	SD3379	ANH	2023-09-05	2024-09-05			
Attenuator	S.M. Electronics	SA26B-20	RFW	2024-01-31	2025-01-31			

Report No. STAK0333.3 34/57

POWER SPECTRAL DENSITY



EUT:	Edge Al CIC	Work Order:	STAK0346
Serial Number:	2911339744	Date:	2024-06-11
Customer:	Starkey Laboratories, Inc.	Temperature:	22°C
Attendees:	John Quach	Relative Humidity:	47.6%
Customer Project:	None	Bar. Pressure (PMSL):	1008 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN11
Power:	Zinc-air Battery	Configuration:	STAK0346-5

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.247:2024	ANSI C63.10:2013
RSS-247 Issue 3:2023	ANSI C63.10:2013

COMMENTS

+4dBm Power Setting

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

Pass

Tested By

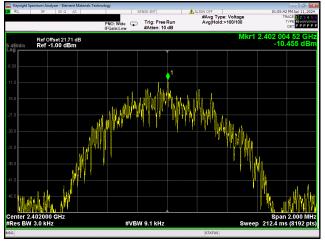
TEST RESULTS

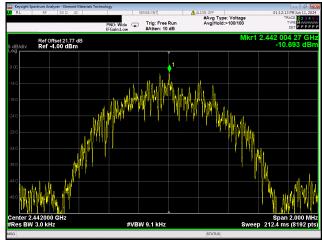
		Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
BLE/GFSK 1 Mbps				
L	ow Channel, 2402 MHz	-10.455	8	Pass
I	Mid Channel, 2442 MHz	-10.693	8	Pass
H	ligh Channel, 2480 MHz	-11.213	8	Pass
BLE/GFSK 2 Mbps				
L	ow Channel, 2402 MHz	-11.396	8	Pass
I	Mid Channel, 2442 MHz	-11.679	8	Pass
F	ligh Channel, 2480 MHz	-11.952	8	Pass

Report No. STAK0333.3 35/57

POWER SPECTRAL DENSITY



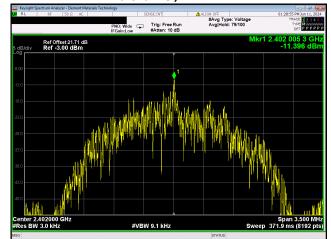




BLE/GFSK 1 Mbps Low Channel, 2402 MHz

BLE/GFSK 1 Mbps Mid Channel, 2442 MHz





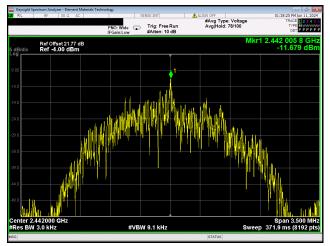
BLE/GFSK 1 Mbps High Channel, 2480 MHz

BLE/GFSK 2 Mbps Low Channel, 2402 MHz

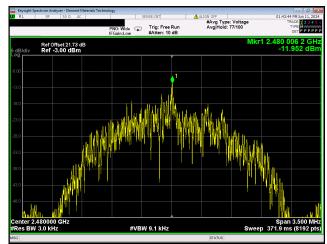
Report No. STAK0333.3 36/57

POWER SPECTRAL DENSITY





BLE/GFSK 2 Mbps Mid Channel, 2442 MHz



BLE/GFSK 2 Mbps High Channel, 2480 MHz

Report No. STAK0333.3 37/57

BAND EDGE COMPLIANCE



TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The spurious RF conducted emissions at the edges of the authorized bands were measured with the EUT set to low and high transmit frequencies in each available band. The channels closest to the band edges were selected. The EUT was transmitting at the data rate(s) listed in the datasheet.

The spectrum was scanned below the lower band edge and above the higher band edge. The analyzer screen captures for this test show an example of the emission mask for the test mode also used during the radiated spurious emissions at the restricted band edges test.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Agilent	N5182A	TIF	2023-07-27	2026-07-27
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFM	2024-05-22	2025-05-22
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2023-09-05	2024-09-05
Block - DC	Fairview Microwave	SD3379	ANH	2023-09-05	2024-09-05
Attenuator	S.M. Electronics	SA26B-20	RFW	2024-01-31	2025-01-31

Report No. STAK0333.3 38/57

BAND EDGE COMPLIANCE



EUT:	Edge Al CIC	Work Order:	STAK0346
Serial Number:	2911339744	Date:	2024-06-11
Customer:	Starkey Laboratories, Inc.	Temperature:	22.1°C
Attendees:	John Quach	Relative Humidity:	47.9%
Customer Project:	None	Bar. Pressure (PMSL):	1008 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN11
Power:	Zinc-air Battery	Configuration:	STAK0346-5

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.247:2024	ANSI C63.10:2013
RSS-247 Issue 3:2023	ANSI C63.10:2013

COMMENTS

+4dBm Power Setting

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

Pass

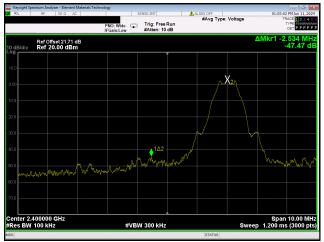
Tested By

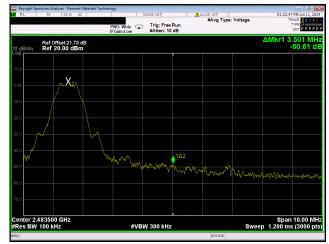
TEST RESULTS

		Value (dBc)	Limit ≤ (dBc)	Result
BLE/GFSK 1 Mbps				
	Low Channel, 2402 MHz	-47.47	-20	Pass
	High Channel, 2480 MHz	-50.61	-20	Pass
BLE/GFSK 2 Mbps				
	Low Channel, 2402 MHz	-33.74	-20	Pass
	High Channel, 2480 MHz	-50.28	-20	Pass

BAND EDGE COMPLIANCE

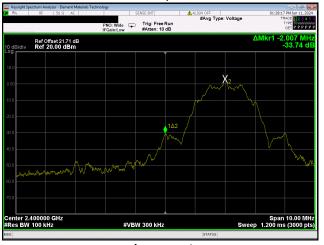






BLE/GFSK 1 Mbps Low Channel, 2402 MHz

BLE/GFSK 1 Mbps High Channel, 2480 MHz





BLE/GFSK 2 Mbps Low Channel, 2402 MHz

BLE/GFSK 2 Mbps High Channel, 2480 MHz

Report No. STAK0333.3 40/57



TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The spurious RF conducted emissions were measured with the EUT set to low, medium and high transmit frequencies. The EUT was transmitting at the data rate(s) listed in the datasheet. For each transmit frequency, the fundamental was measured with a 100 kHz resolution bandwidth and the highest value was recorded. The rest of the spectrum was then measured with a 100 kHz resolution bandwidth and the highest value was found. The difference between the value found on the fundamental and the rest of the spectrum was compared against the limit to determine compliance.

The reference level offset for the fundamental screen capture was based on a measured value of the loss between the spectrum analyzer and the EUT which was verified at the time of test. The remaining screen capture(s) use an internal transducer factor on the analyzer to correct the displayed trace based on the cable loss over frequency. The reference level offset for the additional screen capture(s) is then based on the expected attenuator value and any other losses.

Fundamental Offset = Ref Lvl Offset showing measured composite factor of all losses

Remaining Screen capture(s) Offset = "Internal" cable loss factor not shown on screen capture + Ref Lvl Offset showing expected attenuator value and any other losses

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Agilent	N5182A	TIF	2023-07-27	2026-07-27
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFM	2024-05-22	2025-05-22
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2023-09-05	2024-09-05
Block - DC	Fairview Microwave	SD3379	ANH	2023-09-05	2024-09-05
Attenuator	S.M. Electronics	SA26B-20	RFW	2024-01-31	2025-01-31

Report No. STAK0333.3



EUT:	Edge Al CIC	Work Order:	STAK0346
Serial Number:	2911339744	Date:	2024-06-11
Customer:	Starkey Laboratories, Inc.	Temperature:	22.1°C
Attendees:	John Quach	Relative Humidity:	48.4%
Customer Project:	None	Bar. Pressure (PMSL):	1008 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN11
Power:	Zinc-air Battery	Configuration:	STAK0346-5

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.247:2024	ANSI C63.10:2013
RSS-247 Issue 3:2023	ANSI C63.10:2013

COMMENTS

+4dBm Power Setting

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

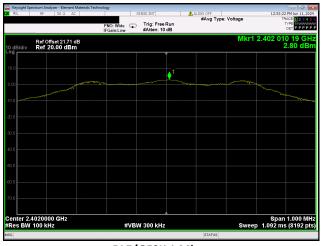
Pass

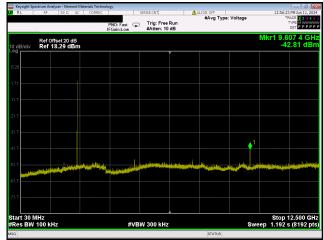
Tested By

TEST RESULTS

	Frequency	Measured	Max Value	Limit	
	Range	Freq (MHz)	(dBc)	≤ (dBc)	Result
BLE/GFSK 1 Mbps					
Low Channel, 2402 MHz	Fundamental	2402.01	N/A	N/A	N/A
	30 MHz - 12.5 GHz	9607.44	-45.61	-20	Pass
	12.5 GHz - 25 GHz	24855.02	-39.72	-20	Pass
Mid Channel, 2442 MHz	Fundamental	2442.01	N/A	N/A	N/A
	30 MHz - 12.5 GHz	9767.29	-40.38	-20	Pass
	12.5 GHz - 25 GHz	24993.9	-39.87	-20	Pass
High Channel, 2480 MHz	Fundamental	2480.01	N/A	N/A	N/A
	30 MHz - 12.5 GHz	9919.53	-45.31	-20	Pass
	12.5 GHz - 25 GHz	24902.33	-39.56	-20	Pass
BLE/GFSK 2 Mbps					
Low Channel, 2402 MHz	Fundamental	2402	N/A	N/A	N/A
	30 MHz - 12.5 GHz	9607.44	-39.78	-20	Pass
	12.5 GHz - 25 GHz	24954.22	-39.98	-20	Pass
Mid Channel, 2442 MHz	Fundamental	2442.01	N/A	N/A	N/A
	30 MHz - 12.5 GHz	9768.81	-41.92	-20	Pass
	12.5 GHz - 25 GHz	24916.07	-40.51	-20	Pass
High Channel, 2480 MHz	Fundamental	2480	N/A	N/A	N/A
	30 MHz - 12.5 GHz	9919.53	-41.97	-20	Pass
	12.5 GHz - 25 GHz	24932.85	-39.87	-20	Pass







BLE/GFSK 1 Mbps Low Channel, 2402 MHz

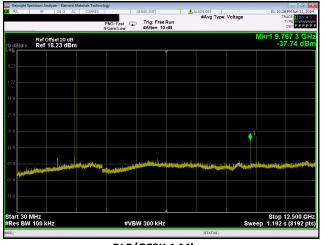
BLE/GFSK 1 Mbps Low Channel, 2402 MHz





BLE/GFSK 1 Mbps Low Channel, 2402 MHz

BLE/GFSK 1 Mbps Mid Channel, 2442 MHz



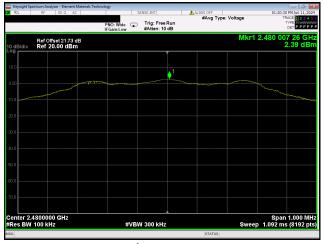


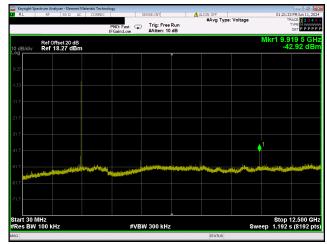
BLE/GFSK 1 Mbps Mid Channel, 2442 MHz

BLE/GFSK 1 Mbps Mid Channel, 2442 MHz

Report No. STAK0333.3 43/57



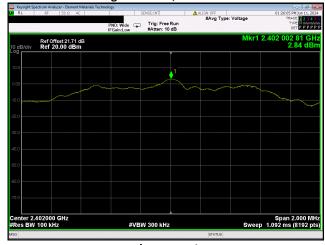




BLE/GFSK 1 Mbps High Channel, 2480 MHz

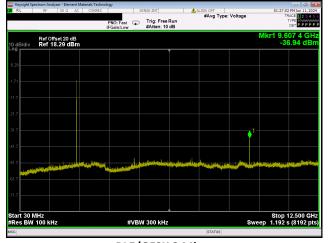
BLE/GFSK 1 Mbps High Channel, 2480 MHz

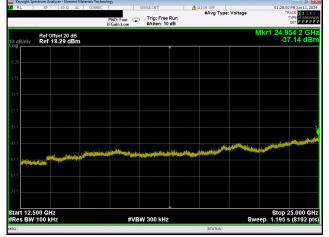




BLE/GFSK 1 Mbps High Channel, 2480 MHz

BLE/GFSK 2 Mbps Low Channel, 2402 MHz





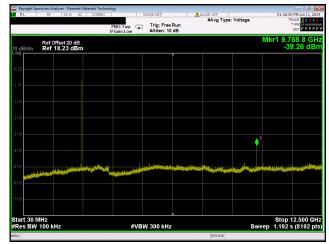
BLE/GFSK 2 Mbps Low Channel, 2402 MHz

BLE/GFSK 2 Mbps Low Channel, 2402 MHz

Report No. STAK0333.3 44/57







BLE/GFSK 2 Mbps Mid Channel, 2442 MHz

BLE/GFSK 2 Mbps Mid Channel, 2442 MHz



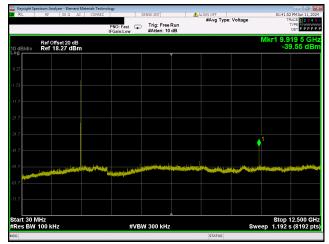


BLE/GFSK 2 Mbps Mid Channel, 2442 MHz

BLE/GFSK 2 Mbps High Channel, 2480 MHz

Report No. STAK0333.3 45/57







BLE/GFSK 2 Mbps High Channel, 2480 MHz

BLE/GFSK 2 Mbps High Channel, 2480 MHz

Report No. STAK0333.3 46/57



TEST DESCRIPTION

The highest gain antenna of each type to be used with the EUT was tested. The EUT was configured for the required transmit frequencies and the modes as showed in the data sheets.

For each configuration, the spectrum was scanned throughout the specified range as part of the exploratory investigation of the emissions. These "pre-scans" are not included in the report. Final measurements on individual emissions were then made and included in this test report.

The individual emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and EUT antenna in three orthogonal axis if required, and adjusting the measurement antenna height and polarization (per ANSI C63.10). A preamp and high pass filter (and notch filter) were used for this test in order to provide sufficient measurement sensitivity.

Measurements were made with the required detectors and annotated on the data for each individual point using the following annotation:

QP = Quasi-Peak Detector

PK = Peak Detector

AV = RMS Detector

Measurements were made to satisfy the specific requirements of the test specification for out of band emissions as well as the restricted band requirements.

If there are no detectable emissions above the noise floor, the data included may show noise floor measurements for reference only.

Measurements within 2 MHz of the allowable band may have been taken using the integration method from ANSI C63.10 clause 11.13.3. This procedure uses the channel power feature of the spectrum analyzer to integrate the power of the emission within a 1 MHz bandwidth.

Where the radio test software does not provide for a duty cycle at continuous transmit conditions (> 98%) and the RMS (power average) measurements were made across the on and off times of the EUT transmissions, a duty cycle correction is added to the measurements using the formula of 10*log(1/dc).

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Antenna - Double Ridge	ETS Lindgren	3115	AIP	2022-07-20	2024-07-20
Cable	ESM Cable Corp.	Double Ridge Guide Horn Cables	MNI	2024-01-08	2025-01-08
Amplifier - Pre-Amplifier	Miteq	AMF-3D-00100800-32-13P	AVT	2024-01-08	2025-01-08
Attenuator	Fairview Microwave	SA18H-20	VAF	2023-09-11	2024-09-11
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAQ	2024-03-13	2025-03-13
Filter - High Pass	Micro-Tronics	HPM50111	LFN	2023-08-23	2024-08-23
Antenna - Standard Gain	ETS Lindgren	3160-07	AXP	NCR	NCR
Cable	ESM Cable Corp.	Standard Gain Horn Cables	MNJ	2024-01-28	2025-01-28
Amplifier - Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	AVV	2024-01-08	2025-01-08
Antenna - Standard Gain	ETS Lindgren	3160-08	AIQ	NCR	NCR
Amplifier - Pre-Amplifier	Miteq	AMF-6F-12001800-30-10P	AVW	2024-01-08	2025-01-08
Antenna - Standard Gain	ETS Lindgren	3160-09	AHG	NCR	NCR
Cable	ESM Cable Corp.	TTBJ141 KMKM-72	MNP	2023-09-05	2024-09-05
Amplifier - Pre-Amplifier	Miteq	JSD4-18002600-26-8P	APU	2023-09-05	2024-09-05
Antenna - Biconilog	ETS Lindgren	3142D	AXO	2023-10-02	2025-10-02
Cable	ESM Cable Corp.	Bilog Cables	MNH	2023-10-08	2024-10-08
Amplifier - Pre-Amplifier	Miteq	AM-1616-1000	AVO	2023-10-08	2024-10-08
Filter - Low Pass	Micro-Tronics	LPM50004	LFK	2023-08-23	2024-08-23
Antenna - Loop	ETS Lindgren	6502	AOB	2023-06-12	2025-06-12

Report No. STAK0333.3 47/57



FREQUENCY RANGE INVESTIGATED

9 kHz TO 26500 MHz

POWER INVESTIGATED

Zinc Battery

CONFIGURATIONS INVESTIGATED

STAK0346-1

MODES INVESTIGATED

Transmitting BLE Low, Mid and High Chs (2402, 2442 and 2480 MHz) 1 Mbps and 2 Mbps Transmitting BLE Low and High Chs (2402 and 2480 MHz) 1 Mbps and 2 Mbps

Report No. STAK0333.3 48/57



EUT:	Edge Al CIC	Work Order:	STAK0346
Serial Number:	2911339784	Date:	2024-05-21
Customer:	Starkey Laboratories, Inc.	Temperature:	21°C
Attendees:	John Quach	Relative Humidity:	20%
Customer Project:	None	Bar. Pressure (PMSL):	1012 mb
Tested By:	Marcelo Aguayo	Job Site:	MN05
Power:	Zinc Battery	Configuration:	STAK0346-1

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.247:2024	ANSI C63.10:2013
RSS-247 Issue 3:2023	ANSI C63.10:2013

TEST PARAMETERS

COMMENTS

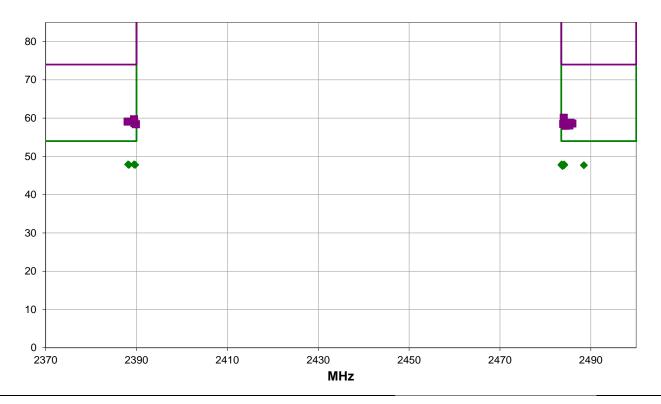
See comments for EUT orientation and data rate. Power +4dBm. Test mode duty cycle is 16.56% (1 Mbps) and 15.86% (2 Mbps), operational duty cycle is 16.9% (1 Mbps) and 16.7% (2 Mbps). Duty cycle correction factor (DCCF) applied using DCCF=[10*log(1/test mode DC)]+[10*log(operational DC)]=0.1 dB (1 Mbps) or 0.1 dB (2 Mbps)

EUT OPERATING MODES

Transmitting BLE Low, Mid and High Chs (2402, 2442 and 2480 MHz) 1 Mbps and 2 Mbps

DEVIATIONS FROM TEST STANDARD

None



Run #: 25 ■ PK ◆ AV • QP



RESULTS - Run #25

RESULTS - Run #25													
Freq (MHz)	Amplitude (dBuV)	Factor (dB/m)	Antenna Height (meters)	Azimuth (degrees)	Duty Cycle Correction Factor (dB)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
2389.453	31.9	-4.1	2.2	254.9	0.1	20.0	Horz	AV	0.0	47.9	54.0	-6.1	EUT Horz, Low Ch 2Mbps
2388.143	31.9	-4.1	1.5	234.0	0.1	20.0	Vert	AV	0.0	47.9	54.0	-6.1	EUT Horz, Low Ch 2Mbps
2483.583	31.3	-3.5	1.0	275.0	0.1	20.0	Horz	AV	0.0	47.9	54.0	-6.1	EUT Horz, High Ch 2Mbps
2484.110	31.3	-3.5	1.0	76.0	0.1	20.0	Vert	AV	0.0	47.9	54.0	-6.1	EUT Horz, High Ch 2Mbps
2483.575	31.2	-3.5	1.5	222.9	0.1	20.0	Horz	AV	0.0	47.8	54.0	-6.2	EUT Horz, High Ch 1Mbps
2389.690	31.8	-4.1	1.5	30.9	0.1	20.0	Horz	AV	0.0	47.8	54.0	-6.2	EUT Horz, Low Ch 1Mbps
2388.330	31.8	-4.1	3.1	304.9	0.1	20.0	Vert	AV	0.0	47.8	54.0	-6.2	EUT Horz, Low Ch 1Mbps
2484.092	31.1	-3.5	1.5	141.0	0.1	20.0	Vert	AV	0.0	47.7	54.0	-6.3	EUT Horz, High Ch 1Mbps
2483.592	31.1	-3.5	1.5	224.0	0.1	20.0	Horz	AV	0.0	47.7	54.0	-6.3	EUT On Side, High Ch 1Mbps
2488.467	31.0	-3.4	1.5	239.0	0.1	20.0	Vert	AV	0.0	47.7	54.0	-6.3	EUT Vert, High Ch 1Mbps
2483.800	31.1	-3.5	1.5	18.0	0.1	20.0	Horz	AV	0.0	47.7	54.0	-6.3	EUT Vert, High Ch 1Mbps
2483.780	30.9	-3.5	2.8	41.9	0.1	20.0	Vert	AV	0.0	47.5	54.0	-6.5	EUT On Side, High Ch 1Mbps
2484.042	43.6	-3.5	2.5	124.0	0.0	20.0	Vert	PK	0.0	60.1	74.0	-13.9	EUT On Side, High Ch 1Mbps
2389.440	43.8	-4.1	1.5	30.9	0.0	20.0	Horz	PK	0.0	59.7	74.0	-14.3	EUT Horz, Low Ch 1Mbps
2388.043	43.2	-4.1	1.5	234.0	0.0	20.0	Vert	PK	0.0	59.1	74.0	-14.9	EUT Horz, Low Ch 2Mbps
2485.500	42.3	-3.5	1.5	224.0	0.0	20.0	Horz	PK	0.0	58.8	74.0	-15.2	EUT Horz, High Ch 1Mbps
2389.533	42.8	-4.1	2.2	254.9	0.0	20.0	Horz	PK	0.0	58.7	74.0	-15.3	EUT Horz, Low Ch 2Mbps
2485.933	42.1	-3.5	1.5	222.9	0.0	20.0	Horz	PK	0.0	58.6	74.0	-15.4	EUT Vert, High Ch 1Mbps
2483.920	42.0	-3.5	1.0	76.0	0.0	20.0	Vert	PK	0.0	58.5	74.0	-15.5	EUT Horz, High Ch 2Mbps
2484.457	42.0	-3.5	3.6	15.0	0.0	20.0	Horz	PK	0.0	58.5	74.0	-15.5	EUT Horz, High Ch 2Mbps
2484.817	41.9	-3.5	1.5	18.0	0.0	20.0	Horz	PK	0.0	58.4	74.0	-15.6	EUT On Side, High Ch 1Mbps
2389.857	42.5	-4.1	3.1	304.9	0.0	20.0	Vert	PK	0.0	58.4	74.0	-15.6	EUT Horz, Low Ch 1Mbps
2485.287	41.6	-3.5	2.8	41.9	0.0	20.0	Vert	PK	0.0	58.1	74.0	-15.9	EUT Horz, High Ch 1Mbps
2484.463	41.5	-3.5	2.2	2.9	0.0	20.0	Vert	PK	0.0	58.0	74.0	-16.0	EUT Vert, High Ch 1Mbps

CONCLUSION

Pass

Tested By



EUT:	Edge Al CIC	Work Order:	STAK0346
Serial Number:	2911339784	Date:	2024-05-21
Customer:	Starkey Laboratories, Inc.	Temperature:	21°C
Attendees:	John Quach	Relative Humidity:	50%
Customer Project:	None	Bar. Pressure (PMSL):	1012 mb
Tested By:	Marcelo Aguayo	Job Site:	MN05
Power:	Zinc Battery	Configuration:	STAK0346-1

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.247:2024	ANSI C63.10:2013
RSS-247 Issue 3:2023	ANSI C63.10:2013

TEST PARAMETERS

Run #: 2	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

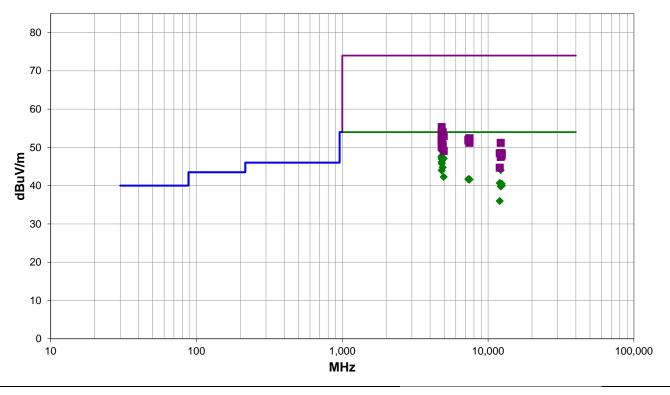
See comments for EUT orientation and data rate. Power +4dBm. Test mode duty cycle is 16.56% (1 Mbps) and 15.86% (2 Mbps), operational duty cycle is 16.9% (1 Mbps) and 16.7% (2 Mbps). Duty cycle correction factor (DCCF) applied using DCCF=[10*log(1/test mode DC)]+[10*log(operational DC)]=0.1 dB (1 Mbps) or 0.1 dB (2 Mbps)

EUT OPERATING MODES

Transmitting BLE Low and High Chs (2402 and 2480 MHz) 1 Mbps and 2 Mbps

DEVIATIONS FROM TEST STANDARD

None



Run #: 2 ■ PK ◆ AV • QP



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RESULTS - Run #2

## 1	RESULTS - Run #2													
4883.988	Freq (MHz)	Amplitude (dBuV)	Factor (dB/m)	Antenna Height (meters)	Azimuth (degrees)	Duty Cycle Correction Factor (dB)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
## ## ## ## ## ## ## ## ## ## ## ## ##	4803.925	44.0	5.1	3.0	360.0	0.1	0.0	Horz	AV	0.0	49.2	54.0	-4.8	EUT Horz, Low Ch 1Mbps
4804.670	4883.958	44.0	5.1	3.1	253.9	0.1	0.0	Horz	AV	0.0	49.2	54.0	-4.8	EUT Horz, Mid Ch 1Mbps
4803.925 42.1 5.1 2.7 182.0 0.1 0.0 Horz AV 0.0 47.3 54.0 4.6.7 EUT Vert, Low Ch 1Mbps 4803.933 41.8 5.2 1.5 48.9 0.1 0.0 Horz AV 0.0 47.1 54.0 4.9. EUT Horz, Low Ch 1Mbps 4803.937 41.8 5.1 3.7 75.0 0.1 0.0 Vert AV 0.0 47.0 54.0 -7.0 EUT Horz, Low Ch 1Mbps 4803.938 41.0 5.1 3.1 336.0 0.1 0.0 Vert AV 0.0 45.8 54.0 -7.8 EUT Horz, Low Ch 1Mbps 4803.938 40.6 5.1 3.1 336.0 0.1 0.0 Vert AV 0.0 45.8 54.0 -8.2 EUT Ch Sido, Low Ch 1Mbps 4803.938 44.8 0.8 1.0 30.0 0.1 0.0 Vert AV 0.0 44.8 54.0 -8.2 EUT Horz, Low Ch 1Mbps 4803.908 34.8 5.1 1.1 263.0 0.1 0.0 Vert AV 0.0 44.8 54.0 -8.2 EUT Horz, Md Ch 1Mbps 4803.908 38.8 5.1 1.1 263.0 0.1 0.0 Vert AV 0.0 44.8 54.0 -8.2 EUT Horz, Md Ch 1Mbps 4803.908 38.8 5.1 1.1 263.0 0.1 0.0 Vert AV 0.0 44.1 54.0 -8.0 EUT Horz, Md Ch 1Mbps 4803.908 38.8 5.1 1.1 263.0 0.1 0.0 Vert AV 0.0 42.3 54.0 -11.0 EUT Horz, Hagh Ch 1Mbps 4803.908 38.8 5.1 1.1 263.0 0.1 0.0 Vert AV 0.0 42.3 54.0 -11.7 EUT Horz, Hagh Ch 1Mbps 4703.24 20.8 22.1 2.4 1.5 1.5 23.0 0.1 0.0 Vert AV 0.0 41.7 54.0 -12.3 EUT Horz, Magh Ch 1Mbps 743.42 28.1 1.2 2.5 1.5 23.0 0.1 0.0 Vert AV 0.0 41.7 54.0 -12.3 EUT Horz, Hagh Ch 1Mbps 744.0142 29.1 1.2 3.1 3.0 3.0 0.1 0.0 Vert AV 0.0 41.6 54.0 -12.3 EUT Horz, Hagh Ch 1Mbps 12008.780 42.5 1.9 1.3 30.40 0.1 0.0 Vert AV 0.0 41.6 54.0 -12.3 EUT Horz, Hagh Ch 1Mbps 12008.820 40.5 -0.8 1.3 18.0 0.1 0.0 Vert AV 0.0 41.6 54.0 -12.4 EUT Horz, Hagh Ch 1Mbps 12008.820 40.5 -0.8 1.3 18.0 0.1 0.0 Vert AV 0.0 38.8 54.0 -14.0 EUT Horz, Low Ch 1Mbps 12008.830 37.8 -1.5 3.0 3.0	4803.917	42.5	5.1	3.8	56.9	0.1	0.0	Horz	AV	0.0	47.7	54.0	-6.3	EUT On Side, Low Ch 1Mbps
499,933 41.8 5.2 1.5 48.9 0.1 0.0 Horz AV 0.0 47.1 54.0 -6.8 EUT Horz, High Ch 1 Neps 4803,917 41.8 5.1 3.7 78.0 0.1 0.0 Vert AV 0.0 47.0 54.0 -7.0 EUT Horz, Lioy Ch 1 Neps 4803,923 41.0 5.1 3.0 287.0 0.1 0.0 Vert AV 0.0 45.6 54.0 -7.0 EUT Horz, Lioy Ch 1 Neps 4803,958 40.6 5.1 3.1 336.0 0.1 0.0 Vert AV 0.0 45.6 54.0 -7.8 EUT Horz, Lio Ch 1 Neps 4803,950 39.6 5.1 3.9 163.0 0.1 0.0 Vert AV 0.0 44.8 54.0 -9.2 EUT Horz, Lio Ch 1 Neps 12208,880 44.8 -0.8 1.0 30.0 0.1 0.0 Vert AV 0.0 44.8 54.0 -9.2 EUT Horz, Mid Ch 1 Neps 12208,880 44.8 -0.8 1.0 30.0 0.1 0.0 Vert AV 0.0 44.1 54.0 -9.9 EUT Horz, Mid Ch 1 Neps 4803,950 37.0 5.2 1.2 103.9 0.1 0.0 Vert AV 0.0 44.1 54.0 -9.9 EUT Horz, Mid Ch 1 Neps 4803,950 37.0 5.2 1.2 103.9 0.1 0.0 Vert AV 0.0 44.1 54.0 -9.9 EUT Horz, Mid Ch 1 Neps 4803,950 37.0 5.2 1.2 103.9 0.1 0.0 Vert AV 0.0 44.1 54.0 -9.9 EUT Horz, Mid Ch 1 Neps 5403,968 57 37.0 5.2 1.2 103.9 0.1 0.0 Nept AV 0.0 44.1 54.0 -9.9 EUT Horz, Mid Ch 1 Neps 5403,968 57 37.0 5.2 1.2 103.9 0.1 0.0 Nept AV 0.0 41.7 54.0 1.2 3 EUT Horz, Mid Ch 1 Neps 5403,968 57 37.0 5.2 1.2 103.9 0.1 0.0 Nept AV 0.0 41.7 54.0 1.2 3 EUT Horz, Mid Ch 1 Neps 5404,969 59 1.2 5 1.2 1.2 557.9 0.1 0.0 Vert AV 0.0 41.7 54.0 1.2 3 EUT Horz, Mid Ch 1 Neps 5404,969 59 1.2 5 1.2 57.9 0.1 0.0 Vert AV 0.0 41.7 54.0 1.2 3 EUT Horz, Lioy Ch 1 Neps 5404,969 59 1.2 5 1.2 5 1.5 12.0 0.1 0.0 Nept AV 0.0 41.7 54.0 1.2 5 EUT Horz, Lio Ch 1 Neps 1208,89 40.7 0.8 1.2 1.2 5 EUT Horz, Lio Ch 1 Neps 1208,89 40.7 0.8 1.2 1.2 5 EUT Horz, Lio Ch 1 Neps 1208,89 40.7 0.8 1.2 1.2 5 EUT Horz, Lio Ch 1 Neps 1208,89 40.7 0.8 1.3 149.0 0.1 0.0 Nept AV 0.0 40.7 54.0 1.3 EUT Horz, Lio Ch 1 Neps 1208,89 40.7 0.8 1.3 149.0 0.1 0.0 Nept AV 0.0 40.7 54.0 1.3 EUT Horz, Lio Ch 1 Neps 1208,89 40.7 0.8 1.3 149.0 0.1 0.0 Nept AV 0.0 55.0 1.3 5 EUT Horz, Lio Ch 1 Neps 1208,89 40.7 0.8 1.3 149.0 0.1 0.0 Nept AV 0.0 55.0 1.3 1.0 EUT Horz, Lio Ch 1 Neps 1208,89 40.7 0.8 1.3 149.0 0.1 0.0 Nept AV 0.0 55.0 1.2 1.0 EUT Horz, Lio Ch 1 Neps 1208,89 40.7 0.8 1.3 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	4804.570	42.4	5.1	1.1	174.0	0.1	0.0	Vert	AV	0.0	47.6	54.0	-6.4	EUT Horz, Low Ch 2Mbps
4803.917 41.8 5.1 3.7 76.0 0.1 0.0 Vert AV 0.0 47.0 54.0 -7.0 EUT Horz, Low Ch 1Mbps 4803.923 41.0 5.1 3.0 3267.0 0.1 0.0 Horz AV 0.0 45.8 54.0 -7.8 EUT Horz, Low Ch 2Mbps 4803.868 40.6 5.1 3.1 336.0 0.1 0.0 Vert AV 0.0 45.8 54.0 -8.2 EUT Horz, Low Ch 1Mbps 4883.900 33.6 5.1 3.9 163.0 0.1 0.0 Vert AV 0.0 44.8 54.0 -9.2 EUT Horz, Mid Ch 1Mbps 4803.898 38.8 5.1 1.1 263.0 0.1 0.0 Vert AV 0.0 44.1 54.0 -9.9 EUT Horz, Mid Ch 1Mbps 4809.908 38.8 5.1 1.1 263.0 0.1 0.0 Vert AV 0.0 44.1 54.0 -9.9 EUT Horz, Mid Ch 1Mbps 4809.967 37.0 5.2 1.2 103.9 0.1 0.0 Vert AV 0.0 42.3 54.0 -11.7 EUT Horz, High Ch 1Mbps 4809.967 37.0 5.2 1.2 103.9 0.1 0.0 Vert AV 0.0 41.7 54.0 -12.3 EUT Horz, High Ch 1Mbps 4739.725 29.2 12.4 1.5 527.9 0.1 0.0 Vert AV 0.0 41.7 54.0 -12.3 EUT Horz, High Ch 1Mbps 4739.725 29.0 12.5 4.0 258.0 0.1 0.0 Vert AV 0.0 41.7 54.0 -12.3 EUT Horz, High Ch 1Mbps 4739.725 29.0 12.5 4.0 258.0 0.1 0.0 Horz AV 0.0 41.7 54.0 -12.3 EUT Horz, High Ch 1Mbps 4739.725 29.0 12.5 4.0 258.0 0.1 0.0 Horz AV 0.0 40.7 54.0 -13.3 EUT Horz, High Ch 1Mbps 4739.725 29.0 41.2 0.3 3.0 2.9 0.1 0.0 Horz AV 0.0 40.7 54.0 -13.3 EUT Horz, High Ch 1Mbps 4739.825 41.2 0.8 3.0 2.9 0.1 0.0 Horz AV 0.0 40.7 54.0 -13.5 EUT Horz, High Ch 1Mbps 4739.825 41.2 0.8 3.0 2.9 0.1 0.0 Horz AV 0.0 40.0 54.0 -13.5 EUT Horz, High Ch 1Mbps 4739.825 4730.825 473	4803.925	42.1	5.1	2.7	192.0	0.1	0.0	Horz	AV	0.0	47.3	54.0	-6.7	EUT Vert, Low Ch 1Mbps
4803.923 41.0 5.1 3.0 267.0 0.1 0.0 Horz AV 0.0 46.2 54.0 -7.8 EUT Horz, Lov Ch 2Mbps 4803.988 40.6 5.1 3.1 336.0 0.1 0.0 Vert AV 0.0 45.8 54.0 -8.2 EUT On Side, Low Ch 1Mbps 4803.900 38.6 5.1 3.9 163.0 0.1 0.0 Vert AV 0.0 44.8 54.0 -9.2 EUT Horz, Mid Ch 1Mbps 4803.908 44.8 -0.8 1.0 30.0 0.1 0.0 Vert AV 0.0 44.1 54.0 -9.9 EUT Horz, Mid Ch 1Mbps 4803.908 38.8 5.1 1.1 263.0 0.1 0.0 Vert AV 0.0 44.1 54.0 -9.9 EUT Horz, Mid Ch 1Mbps 4803.908 38.8 5.1 1.1 263.0 0.1 0.0 Vert AV 0.0 44.0 54.0 -10.0 EUT Vert, Low Ch 1Mbps 4803.908 73.0 5.2 1.2 103.3 0.1 0.0 Vert AV 0.0 44.0 54.0 -10.0 EUT Vert, Low Ch 1Mbps 7323.863 29.2 12.4 1.5 156.0 0.1 0.0 Vert AV 0.0 41.7 54.0 -12.3 EUT Horz, Mid Ch 1Mbps 7340.142 29.1 12.5 1.5 232.0 0.1 0.0 Vert AV 0.0 41.7 54.0 -12.3 EUT Horz, Mid Ch 1Mbps 7440.142 29.1 12.5 1.5 232.0 0.1 0.0 Vert AV 0.0 41.7 54.0 -12.3 EUT Horz, Mid Ch 1Mbps 12008.700 42.5 -1.9 1.3 304.9 0.1 0.0 Horz AV 0.0 41.7 54.0 -12.3 EUT Horz, High Ch 1Mbps 12088.800 40.7 0.8 2.2 127.0 0.1 0.0 Vert AV 0.0 40.0 54.0 -13.5 EUT Horz, High Ch 1Mbps 12088.800 40.7 0.8 2.2 127.0 0.1 0.0 Vert AV 0.0 40.0 54.0 -13.5 EUT Horz, High Ch 1Mbps 12088.800 40.7 0.8 2.2 127.0 0.1 0.0 Vert AV 0.0 54.0 -14.0 EUT Horz, Lov Ch 1Mbps 12088.800 40.5 0.8 1.3 149.0 0.1 0.0 Vert AV 0.0 55.3 74.0 -18.0 EUT Horz, Lov Ch 1Mbps 12088.800 40.5 0.8 1.3 149.0 0.1 0.0 Vert AV 0.0 55.3 74.0 -18.0 EUT Horz, Lov Ch 1Mbps 4804.000 48.8 5.1 3.0 267.0 0.0 0.0 Horz PK 0.0 55.3 74.0 -18.0 EUT Horz, Lov Ch 1Mbps 4808.803 47.7 5.2 1.5 48.9 0.0 0.0 Ne	4959.933	41.8	5.2	1.5	48.9	0.1	0.0	Horz	AV	0.0	47.1	54.0	-6.9	EUT Horz, High Ch 1Mbps
## ## ## ## ## ## ## ## ## ## ## ## ##	4803.917	41.8	5.1	3.7	76.0	0.1	0.0	Vert	AV	0.0	47.0	54.0	-7.0	EUT Horz, Low Ch 1Mbps
### ### ### ### ### ### ### ### ### ##	4803.923	41.0	5.1	3.0	267.0	0.1	0.0	Horz	AV	0.0	46.2	54.0	-7.8	EUT Horz, Low Ch 2Mbps
12208.890	4803.858	40.6	5.1	3.1	336.0	0.1	0.0	Vert	AV	0.0	45.8	54.0	-8.2	EUT On Side, Low Ch 1Mbps
4803.908 38.8 5.1 1.1 263.0 0.1 0.0 Vert AV 0.0 44.0 54.0 -10.0 EUT Vert, Low Ch 1Mpps 4859.867 37.0 5.2 1.2 103.9 0.1 0.0 Vert AV 0.0 44.0 54.0 -10.0 EUT Vert, Low Ch 1Mpps 7323.883 29.2 12.4 1.5 156.0 0.1 0.0 Horz AV 0.0 41.7 54.0 11.3 EUT Horz, High Ch 1Mpps 7324.208 29.2 12.4 1.5 257.8 0.1 0.0 Vert AV 0.0 41.7 54.0 11.3 EUT Horz, Mid Ch 1Mpps 7440.142 29.1 12.5 1.5 232.0 0.1 0.0 Horz AV 0.0 41.7 54.0 11.3 EUT Horz, Mid Ch 1Mpps 7440.142 29.1 12.5 1.5 232.0 0.1 0.0 Horz AV 0.0 41.7 54.0 11.2 EUT Horz, High Ch 1Mpps 7439.725 29.0 12.5 4.0 256.0 0.1 0.0 Horz AV 0.0 41.7 54.0 11.2 EUT Horz, High Ch 1Mpps 12.08.780 42.5 1.9 1.3 304.9 0.1 0.0 Horz AV 0.0 41.6 54.0 11.2 EUT Horz, High Ch 1Mpps 12.08.780 42.5 1.9 1.3 304.9 0.1 0.0 Horz AV 0.0 40.7 54.0 11.3 EUT Horz, Ligh Ch 1Mpps 12.398.890 40.7 0.8 2.2 127.9 0.1 0.0 Horz AV 0.0 40.5 54.0 11.5 EUT Horz, High Ch 1Mpps 12.298.80 40.7 0.8 2.2 127.9 0.1 0.0 Vert AV 0.0 40.5 54.0 11.5 EUT Horz, High Ch 1Mpps 12.298.80 40.5 0.8 13 149.0 0.1 0.0 Vert AV 0.0 40.0 54.0 11.4 EUT Horz, High Ch 1Mpps 12.298.80 37.8 11.9 1.4 336.9 0.1 0.0 Vert AV 0.0 38.0 54.0 11.0 EUT Horz, Low Ch 1Mpps 4883.433 48.9 5.1 3.1 253.9 0.0 0.0 Horz PK 0.0 55.3 74.0 18.7 EUT Horz, Low Ch 1Mpps 4804.030 50.2 5.1 3.0 267.0 0.0 0.0 Horz PK 0.0 53.3 74.0 18.7 EUT Horz, Low Ch 1Mpps 4803.833 48.9 5.1 3.8 56.9 0.0 0.0 Horz PK 0.0 53.3 74.0 20.1 EUT Horz, Low Ch 1Mpps 4803.833 47.7 5.2 1.5 48.8 0.0 0.0 0.0 Horz PK 0.0 52.9 74.0 20.1 EUT Horz, Low Ch 1Mpps 4803.833 47.7 5.2 1.5 48.8 0.0 0.0 0.0 Horz PK 0.0 52.0 74.0 20.1 EUT Horz, Low Ch 1Mpps 4803.833 47.7 5.2 1.5 15.0 23.0 0.0 0.0 Horz PK 0.0 52.0 74.0 20.1 EUT Horz, High Ch 1Mpps 4803.833 47.7 5.2 1.5 15.0 23.0 0.0 0.0 Horz PK 0.0 52.0 74.0 22.0 EUT Horz, High Ch 1Mpps 4803.833 47.7 5.2 1.5 15.0 23.0 0.0 0.0 Horz PK 0.0 52.0 74.0 22.1 EUT Horz, Low Ch 1Mpps 4803.833 47.7 5.2 1.5 15.0 23.0 0.0 0.0 Horz PK 0.0 52.0 74.0 22.1 EUT Horz, Low Ch 1Mpps 4803.833 48.2 5.1 3.7 60.0 0.0 0.0 Horz PK 0.0 52.0 74.0 22.2 EUT Horz, High Ch 1Mpps 4803.833 48.2 5.1 3.1 3	4883.900	39.6	5.1	3.9	163.0	0.1	0.0	Vert	AV	0.0	44.8	54.0	-9.2	EUT Horz, Mid Ch 1Mbps
4959.967 37.0 5.2 1.2 103.9 0.1 0.0 Vert AV 0.0 42.3 54.0 -11.7 EUT Horz, High Ch 1Mbps	12208.890	44.8	-0.8	1.0	30.0	0.1	0.0	Horz	AV	0.0	44.1	54.0	-9.9	EUT Horz, Mid Ch 1Mbps
7323,883	4803.908	38.8	5.1	1.1	263.0	0.1	0.0	Vert	AV	0.0	44.0	54.0	-10.0	EUT Vert, Low Ch 1Mbps
7324 208 29.2 12.4 1.5 257.9 0.1 0.0 Vert AV 0.0 41.7 54.0 -12.3 EUT Horz, Mid Ch 1Mbps 7440.142 29.1 12.5 1.5 23.0 0.1 0.0 Horz AV 0.0 41.7 54.0 -12.3 EUT Horz, High Ch 1Mbps 12008.780 42.5 4.0 256.0 0.1 0.0 Horz AV 0.0 40.7 54.0 -12.4 EUT Horz, High Ch 1Mbps 12388.920 41.2 -0.8 3.0 2.9 0.1 0.0 Horz AV 0.0 40.5 54.0 -13.5 EUT Horz, High Ch 1Mbps 12388.800 40.7 -0.8 2.2 127.9 0.1 0.0 Vert AV 0.0 40.0 54.0 -13.5 EUT Horz, High Ch 1Mbps 12208.820 40.5 -0.8 1.3 149.0 0.1 0.0 Vert AV 0.0 39.8 54.0 -14.2 EUT Horz, High Ch 1Mbps	4959.967	37.0	5.2	1.2	103.9	0.1	0.0	Vert	AV	0.0	42.3	54.0	-11.7	EUT Horz, High Ch 1Mbps
7440.142 29.1 12.5 1.5 232.0 0.1 0.0 Horz AV 0.0 41.7 54.0 -12.3 EUT Horz, High Ch 1Mbps 7439.725 29.0 12.5 4.0 256.0 0.1 0.0 Vert AV 0.0 41.6 54.0 -12.4 EUT Horz, High Ch 1Mbps 12008.780 42.5 -1.9 1.3 304.9 0.1 0.0 Horz AV 0.0 40.7 54.0 -13.3 EUT Horz, High Ch 1Mbps 12398.880 40.7 -0.8 2.2 127.9 0.1 0.0 Vert AV 0.0 40.5 54.0 -13.5 EUT Horz, High Ch 1Mbps 12208.820 40.5 -0.8 1.3 149.0 0.1 0.0 Vert AV 0.0 39.8 54.0 -14.2 EUT Horz, Low Ch 1Mbps 4804.030 50.2 5.1 3.0 267.0 0.0 0.0 Horz PK 0.0 55.3 74.0 -18.0 EUT Ho	7323.883	29.2	12.4	1.5	156.0	0.1	0.0	Horz	AV	0.0	41.7	54.0	-12.3	EUT Horz, Mid Ch 1Mbps
7439.725 29.0 12.5 4.0 256.0 0.1 0.0 Vert AV 0.0 41.6 54.0 -12.4 EUT Horz, High Ch 1Mbps 12008.780 42.5 -1.9 1.3 304.9 0.1 0.0 Horz AV 0.0 40.7 54.0 -13.3 EUT Horz, Low Ch 1Mbps 12398.890 40.7 -0.8 2.2 127.9 0.1 0.0 Vert AV 0.0 40.5 54.0 -13.5 EUT Horz, Ligh Ch 1Mbps 12208.820 40.5 -0.8 1.3 149.0 0.1 0.0 Vert AV 0.0 39.8 54.0 -14.2 EUT Horz, Ligh Ch 1Mbps 12008.930 37.8 -1.9 1.4 336.9 0.1 0.0 Vert AV 0.0 36.0 54.0 -18.7 EUT Horz, Low Ch 1Mbps 4804.030 50.2 5.1 3.0 267.0 0.0 0.0 Horz PK 0.0 55.3 74.0 -18.7 EUT Ho	7324.208	29.2	12.4	1.5	257.9	0.1	0.0	Vert	AV	0.0	41.7	54.0	-12.3	EUT Horz, Mid Ch 1Mbps
12008.780	7440.142	29.1	12.5	1.5	232.0	0.1	0.0	Horz	AV	0.0	41.7	54.0	-12.3	EUT Horz, High Ch 1Mbps
12398.920	7439.725	29.0	12.5	4.0	256.0	0.1	0.0	Vert	AV	0.0	41.6	54.0	-12.4	EUT Horz, High Ch 1Mbps
12398.880	12008.780	42.5	-1.9	1.3	304.9	0.1	0.0	Horz	AV	0.0	40.7	54.0	-13.3	EUT Horz, Low Ch 1Mbps
12208.820	12398.920	41.2	-0.8	3.0	2.9	0.1	0.0	Horz	AV	0.0	40.5	54.0	-13.5	EUT Horz, High Ch 1Mbps
12008.930 37.8 -1.9 1.4 336.9 0.1 0.0 Vert AV 0.0 36.0 54.0 -18.0 EUT Horz, Low Ch 1Mbps	12398.880	40.7	-0.8	2.2	127.9	0.1	0.0	Vert	AV	0.0	40.0	54.0	-14.0	EUT Horz, High Ch 1Mbps
4804.030 50.2 5.1 3.0 267.0 0.0 0.0 Horz PK 0.0 55.3 74.0 -18.7 EUT Horz, Low Ch 2Mbps 4883.433 48.9 5.1 3.1 253.9 0.0 0.0 Horz PK 0.0 54.0 74.0 -20.0 EUT Horz, Low Ch 1Mbps 4804.200 48.8 5.1 3.0 380.0 0.0 0.0 Horz PK 0.0 53.9 74.0 -20.1 EUT Horz, Low Ch 1Mbps 4803.633 48.2 5.1 3.8 56.9 0.0 0.0 Horz PK 0.0 52.9 74.0 -21.1 EUT Horz, Low Ch 1Mbps 4803.517 47.4 5.1 2.7 192.0 0.0 0.0 Horz PK 0.0 52.9 74.0 -21.1 EUT Horz, Low Ch 1Mbps 7439.408 39.9 12.5 1.5 232.0 0.0 0.0 Horz PK 0.0 52.4 74.0 -21.6 EUT Horz, Low Ch 1	12208.820	40.5	-0.8	1.3	149.0	0.1	0.0	Vert	AV	0.0	39.8	54.0	-14.2	EUT Horz, Mid Ch 1Mbps
4883.433 48.9 5.1 3.1 253.9 0.0 0.0 Horz PK 0.0 54.0 74.0 -20.0 EUT Horz, Low Ch 1Mbps 4804.200 48.8 5.1 3.0 360.0 0.0 0.0 Horz PK 0.0 53.9 74.0 -20.1 EUT Horz, Low Ch 1Mbps 4803.633 48.2 5.1 3.8 56.9 0.0 0.0 Horz PK 0.0 53.3 74.0 -20.7 EUT On Side, Low Ch 1Mbps 4959.883 47.7 5.2 1.5 48.9 0.0 0.0 Horz PK 0.0 52.9 74.0 -21.1 EUT Horz, Ligh Ch 1Mbps 4803.517 47.4 5.1 2.7 192.0 0.0 0.0 Horz PK 0.0 52.5 74.0 -21.5 EUT Horz, Low Ch 1Mbps 7439.408 39.9 12.5 1.5 232.0 0.0 0.0 Horz PK 0.0 52.4 74.0 -21.6 EUT Horz, Low C	12008.930	37.8	-1.9	1.4	336.9	0.1	0.0	Vert	AV	0.0	36.0	54.0	-18.0	EUT Horz, Low Ch 1Mbps
4804.200 48.8 5.1 3.0 360.0 0.0 Horz PK 0.0 53.9 74.0 -20.1 EUT Horz, Low Ch 1Mbps 4803.633 48.2 5.1 3.8 56.9 0.0 0.0 Horz PK 0.0 53.3 74.0 -20.7 EUT On Side, Low Ch 1Mbps 4959.883 47.7 5.2 1.5 48.9 0.0 0.0 Horz PK 0.0 52.9 74.0 -21.1 EUT Horz, High Ch 1Mbps 4803.517 47.4 5.1 2.7 192.0 0.0 0.0 Horz PK 0.0 52.5 74.0 -21.5 EUT Horz, Low Ch 1Mbps 7439.408 39.9 12.5 1.5 232.0 0.0 0.0 Vert PK 0.0 52.4 74.0 -21.6 EUT Horz, Low Ch 1Mbps 4804.108 46.9 5.1 3.7 76.0 0.0 0.0 Vert PK 0.0 52.0 74.0 -22.0 EUT Horz, Low Ch 1Mbps	4804.030	50.2	5.1	3.0	267.0	0.0	0.0	Horz	PK	0.0	55.3	74.0	-18.7	EUT Horz, Low Ch 2Mbps
4803.633 48.2 5.1 3.8 56.9 0.0 0.0 Horz PK 0.0 53.3 74.0 -20.7 EUT On Side, Low Ch 1Mbps 4959.883 47.7 5.2 1.5 48.9 0.0 0.0 Horz PK 0.0 52.9 74.0 -21.1 EUT Horz, High Ch 1Mbps 4803.517 47.4 5.1 2.7 192.0 0.0 0.0 Horz PK 0.0 52.5 74.0 -21.5 EUT Vert, Low Ch 1Mbps 7439.408 39.9 12.5 1.5 232.0 0.0 0.0 Horz PK 0.0 52.4 74.0 -21.6 EUT Horz, High Ch 1Mbps 4804.108 46.9 5.1 3.7 76.0 0.0 0.0 Vert PK 0.0 52.0 74.0 -22.0 EUT Horz, Low Ch 1Mbps 7326.158 39.4 12.4 1.5 257.9 0.0 0.0 Vert PK 0.0 51.8 74.0 -22.2 EUT Horz, Mid	4883.433	48.9	5.1	3.1	253.9	0.0	0.0	Horz	PK	0.0	54.0	74.0	-20.0	EUT Horz, Mid Ch 1Mbps
4959.883 47.7 5.2 1.5 48.9 0.0 0.0 Horz PK 0.0 52.9 74.0 -21.1 EUT Horz, High Ch 1Mbps 4803.517 47.4 5.1 2.7 192.0 0.0 0.0 Horz PK 0.0 52.5 74.0 -21.5 EUT Horz, High Ch 1Mbps 7439.408 39.9 12.5 1.5 232.0 0.0 0.0 Horz PK 0.0 52.4 74.0 -21.6 EUT Horz, High Ch 1Mbps 4804.108 46.9 5.1 3.7 76.0 0.0 0.0 Vert PK 0.0 52.0 74.0 -22.0 EUT Horz, Low Ch 1Mbps 7325.942 39.6 12.4 1.5 156.0 0.0 0.0 Horz PK 0.0 52.0 74.0 -22.0 EUT Horz, Mid Ch 1Mbps 7326.158 39.4 12.4 1.5 257.9 0.0 0.0 Vert PK 0.0 51.8 74.0 -22.2 EUT Horz, Mid	4804.200	48.8	5.1	3.0	360.0	0.0	0.0	Horz	PK	0.0	53.9	74.0	-20.1	EUT Horz, Low Ch 1Mbps
4803.517 47.4 5.1 2.7 192.0 0.0 Horz PK 0.0 52.5 74.0 -21.5 EUT Vert, Low Ch 1Mbps 7439.408 39.9 12.5 1.5 232.0 0.0 0.0 Horz PK 0.0 52.4 74.0 -21.6 EUT Horz, High Ch 1Mbps 4804.108 46.9 5.1 3.7 76.0 0.0 0.0 Vert PK 0.0 52.0 74.0 -22.0 EUT Horz, Low Ch 1Mbps 7325.942 39.6 12.4 1.5 156.0 0.0 0.0 Horz PK 0.0 52.0 74.0 -22.0 EUT Horz, Low Ch 1Mbps 7326.158 39.4 12.4 1.5 257.9 0.0 0.0 Vert PK 0.0 51.8 74.0 -22.2 EUT Horz, Mid Ch 1Mbps 4804.575 46.4 5.1 3.1 336.0 0.0 0.0 Vert PK 0.0 51.3 74.0 -22.5 EUT Horz, Low Ch 1Mbps <td>4803.633</td> <td>48.2</td> <td>5.1</td> <td>3.8</td> <td>56.9</td> <td>0.0</td> <td>0.0</td> <td>Horz</td> <td>PK</td> <td>0.0</td> <td>53.3</td> <td>74.0</td> <td>-20.7</td> <td>EUT On Side, Low Ch 1Mbps</td>	4803.633	48.2	5.1	3.8	56.9	0.0	0.0	Horz	PK	0.0	53.3	74.0	-20.7	EUT On Side, Low Ch 1Mbps
7439.408 39.9 12.5 1.5 232.0 0.0 Horz PK 0.0 52.4 74.0 -21.6 EUT Horz, High Ch 1Mbps 4804.108 46.9 5.1 3.7 76.0 0.0 0.0 Vert PK 0.0 52.0 74.0 -22.0 EUT Horz, Low Ch 1Mbps 7325.942 39.6 12.4 1.5 156.0 0.0 0.0 Horz PK 0.0 52.0 74.0 -22.0 EUT Horz, Low Ch 1Mbps 7326.158 39.4 12.4 1.5 257.9 0.0 0.0 Vert PK 0.0 51.8 74.0 -22.2 EUT Horz, Mid Ch 1Mbps 4804.575 46.4 5.1 3.1 336.0 0.0 0.0 Vert PK 0.0 51.5 74.0 -22.5 EUT On Side, Low Ch 1Mbps 4803.103 46.2 5.1 1.1 174.0 0.0 0.0 Vert PK 0.0 51.3 74.0 -22.7 EUT Horz, Low Ch 2Mbps <	4959.883	47.7	5.2	1.5	48.9	0.0	0.0	Horz	PK	0.0	52.9	74.0	-21.1	EUT Horz, High Ch 1Mbps
4804.108 46.9 5.1 3.7 76.0 0.0 0.0 Vert PK 0.0 52.0 74.0 -22.0 EUT Horz, Low Ch 1Mbps 7325.942 39.6 12.4 1.5 156.0 0.0 0.0 Horz PK 0.0 52.0 74.0 -22.0 EUT Horz, Mid Ch 1Mbps 7326.158 39.4 12.4 1.5 257.9 0.0 0.0 Vert PK 0.0 51.8 74.0 -22.2 EUT Horz, Mid Ch 1Mbps 4804.575 46.4 5.1 3.1 336.0 0.0 Vert PK 0.0 51.5 74.0 -22.2 EUT Horz, Mid Ch 1Mbps 4803.103 46.2 5.1 1.1 174.0 0.0 0.0 Vert PK 0.0 51.3 74.0 -22.7 EUT Horz, Low Ch 2Mbps 12208.630 52.0 -0.8 1.0 30.0 0.0 Horz PK 0.0 51.2 74.0 -22.8 EUT Horz, Mid Ch 1Mbps <td< td=""><td>4803.517</td><td>47.4</td><td>5.1</td><td>2.7</td><td>192.0</td><td>0.0</td><td>0.0</td><td>Horz</td><td>PK</td><td>0.0</td><td>52.5</td><td>74.0</td><td>-21.5</td><td>EUT Vert, Low Ch 1Mbps</td></td<>	4803.517	47.4	5.1	2.7	192.0	0.0	0.0	Horz	PK	0.0	52.5	74.0	-21.5	EUT Vert, Low Ch 1Mbps
7325.942 39.6 12.4 1.5 156.0 0.0 0.0 Horz PK 0.0 52.0 74.0 -22.0 EUT Horz, Mid Ch 1Mbps 7326.158 39.4 12.4 1.5 257.9 0.0 0.0 Vert PK 0.0 51.8 74.0 -22.2 EUT Horz, Mid Ch 1Mbps 4804.575 46.4 5.1 3.1 336.0 0.0 0.0 Vert PK 0.0 51.5 74.0 -22.5 EUT On Side, Low Ch 1Mbps 4803.103 46.2 5.1 1.1 174.0 0.0 0.0 Vert PK 0.0 51.3 74.0 -22.7 EUT Horz, Low Ch 2Mbps 12208.630 52.0 -0.8 1.0 30.0 0.0 Horz PK 0.0 51.2 74.0 -22.8 EUT Horz, Mid Ch 1Mbps 7440.825 38.7 12.5 4.0 256.0 0.0 0.0 Vert PK 0.0 51.2 74.0 -22.8 EUT Horz, High Ch 1Mbps	7439.408	39.9	12.5	1.5	232.0	0.0	0.0	Horz	PK	0.0	52.4	74.0	-21.6	EUT Horz, High Ch 1Mbps
7326.158 39.4 12.4 1.5 257.9 0.0 0.0 Vert PK 0.0 51.8 74.0 -22.2 EUT Horz, Mid Ch 1Mbps 4804.575 46.4 5.1 3.1 336.0 0.0 0.0 Vert PK 0.0 51.5 74.0 -22.5 EUT On Side, Low Ch 1Mbps 4803.103 46.2 5.1 1.1 174.0 0.0 0.0 Vert PK 0.0 51.3 74.0 -22.7 EUT Horz, Low Ch 2Mbps 12208.630 52.0 -0.8 1.0 30.0 0.0 0.0 Horz PK 0.0 51.2 74.0 -22.8 EUT Horz, Mid Ch 1Mbps 7440.825 38.7 12.5 4.0 256.0 0.0 0.0 Vert PK 0.0 51.2 74.0 -22.8 EUT Horz, High Ch 1Mbps 4884.033 45.5 5.1 3.9 163.0 0.0 0.0 Vert PK 0.0 50.6 74.0 -23.4 EUT Horz, M	4804.108	46.9	5.1	3.7	76.0	0.0	0.0	Vert	PK	0.0	52.0	74.0	-22.0	EUT Horz, Low Ch 1Mbps
4804.575 46.4 5.1 3.1 336.0 0.0 0.0 Vert PK 0.0 51.5 74.0 -22.5 EUT On Side, Low Ch 1Mbps 4803.103 46.2 5.1 1.1 174.0 0.0 0.0 Vert PK 0.0 51.3 74.0 -22.7 EUT Horz, Low Ch 2Mbps 12208.630 52.0 -0.8 1.0 30.0 0.0 0.0 Horz PK 0.0 51.2 74.0 -22.8 EUT Horz, Mid Ch 1Mbps 7440.825 38.7 12.5 4.0 256.0 0.0 0.0 Vert PK 0.0 51.2 74.0 -22.8 EUT Horz, High Ch 1Mbps 4884.033 45.5 5.1 3.9 163.0 0.0 0.0 Vert PK 0.0 50.6 74.0 -23.4 EUT Horz, Mid Ch 1Mbps 4804.208 44.9 5.1 1.1 263.0 0.0 0.0 Vert PK 0.0 50.0 74.0 -24.0 EUT Vert, Low Ch 1Mbps 4960.192 43.9 5.2 1.2 103.9 0.0	7325.942	39.6	12.4	1.5	156.0	0.0	0.0	Horz	PK	0.0	52.0	74.0	-22.0	EUT Horz, Mid Ch 1Mbps
4803.103 46.2 5.1 1.1 174.0 0.0 0.0 Vert PK 0.0 51.3 74.0 -22.7 EUT Horz, Low Ch 2Mbps 12208.630 52.0 -0.8 1.0 30.0 0.0 0.0 Horz PK 0.0 51.2 74.0 -22.8 EUT Horz, Mid Ch 1Mbps 7440.825 38.7 12.5 4.0 256.0 0.0 0.0 Vert PK 0.0 51.2 74.0 -22.8 EUT Horz, High Ch 1Mbps 4884.033 45.5 5.1 3.9 163.0 0.0 0.0 Vert PK 0.0 50.6 74.0 -23.4 EUT Horz, Mid Ch 1Mbps 4804.208 44.9 5.1 1.1 263.0 0.0 0.0 Vert PK 0.0 50.0 74.0 -24.0 EUT Vert, Low Ch 1Mbps 4960.192 43.9 5.2 1.2 103.9 0.0 0.0 Vert PK 0.0 49.1 74.0 -24.9 EUT Horz, High	7326.158	39.4	12.4	1.5	257.9	0.0	0.0	Vert	PK	0.0	51.8	74.0	-22.2	EUT Horz, Mid Ch 1Mbps
12208.630 52.0 -0.8 1.0 30.0 0.0 0.0 Horz PK 0.0 51.2 74.0 -22.8 EUT Horz, Mid Ch 1Mbps 7440.825 38.7 12.5 4.0 256.0 0.0 0.0 Vert PK 0.0 51.2 74.0 -22.8 EUT Horz, High Ch 1Mbps 4884.033 45.5 5.1 3.9 163.0 0.0 Vert PK 0.0 50.6 74.0 -23.4 EUT Horz, Mid Ch 1Mbps 4804.208 44.9 5.1 1.1 263.0 0.0 0.0 Vert PK 0.0 50.0 74.0 -24.0 EUT Vert, Low Ch 1Mbps 4960.192 43.9 5.2 1.2 103.9 0.0 0.0 Vert PK 0.0 49.1 74.0 -24.9 EUT Horz, High Ch 1Mbps	4804.575	46.4	5.1	3.1	336.0	0.0	0.0	Vert	PK	0.0	51.5	74.0	-22.5	EUT On Side, Low Ch 1Mbps
7440.825 38.7 12.5 4.0 256.0 0.0 0.0 Vert PK 0.0 51.2 74.0 -22.8 EUT Horz, High Ch 1Mbps 4884.033 45.5 5.1 3.9 163.0 0.0 0.0 Vert PK 0.0 50.6 74.0 -23.4 EUT Horz, Mid Ch 1Mbps 4804.208 44.9 5.1 1.1 263.0 0.0 0.0 Vert PK 0.0 50.0 74.0 -24.0 EUT Vert, Low Ch 1Mbps 4960.192 43.9 5.2 1.2 103.9 0.0 0.0 Vert PK 0.0 49.1 74.0 -24.9 EUT Horz, High Ch 1Mbps	4803.103	46.2	5.1	1.1	174.0	0.0	0.0	Vert	PK	0.0	51.3	74.0	-22.7	EUT Horz, Low Ch 2Mbps
4884.033 45.5 5.1 3.9 163.0 0.0 0.0 Vert PK 0.0 50.6 74.0 -23.4 EUT Horz, Mid Ch 1Mbps 4804.208 44.9 5.1 1.1 263.0 0.0 0.0 Vert PK 0.0 50.0 74.0 -24.0 EUT Vert, Low Ch 1Mbps 4960.192 43.9 5.2 1.2 103.9 0.0 0.0 Vert PK 0.0 49.1 74.0 -24.9 EUT Horz, High Ch 1Mbps	12208.630	52.0	-0.8	1.0	30.0	0.0	0.0	Horz	PK	0.0	51.2	74.0	-22.8	EUT Horz, Mid Ch 1Mbps
4804.208 44.9 5.1 1.1 263.0 0.0 0.0 Vert PK 0.0 50.0 74.0 -24.0 EUT Vert, Low Ch 1Mbps 4960.192 43.9 5.2 1.2 103.9 0.0 0.0 Vert PK 0.0 49.1 74.0 -24.9 EUT Horz, High Ch 1Mbps	7440.825	38.7	12.5	4.0	256.0	0.0	0.0	Vert	PK	0.0	51.2	74.0	-22.8	EUT Horz, High Ch 1Mbps
4960.192 43.9 5.2 1.2 103.9 0.0 0.0 Vert PK 0.0 49.1 74.0 -24.9 EUT Horz, High Ch 1Mbps	4884.033	45.5	5.1	3.9	163.0	0.0	0.0	Vert	PK	0.0	50.6	74.0	-23.4	EUT Horz, Mid Ch 1Mbps
	4804.208	44.9	5.1	1.1	263.0	0.0	0.0	Vert	PK	0.0	50.0	74.0	-24.0	EUT Vert, Low Ch 1Mbps
12011.170 50.4 -1.9 1.3 304.9 0.0 0.0 Horz PK 0.0 48.5 74.0 -25.5 EUT Horz, Low Ch 1Mbps	4960.192	43.9	5.2	1.2	103.9	0.0	0.0	Vert	PK	0.0	49.1	74.0	-24.9	EUT Horz, High Ch 1Mbps
	12011.170	50.4	-1.9	1.3	304.9	0.0	0.0	Horz	PK	0.0	48.5	74.0	-25.5	EUT Horz, Low Ch 1Mbps

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Freq (MHz)	Amplitude (dBuV)	Factor (dB/m)	Antenna Height (meters)	Azimuth (degrees)	Duty Cycle Correction Factor (dB)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
12398.710	49.3	-0.8	3.0	2.9	0.0	0.0	Horz	PK	0.0	48.5	74.0	-25.5	EUT Horz, High Ch 1Mbps
12398.590	48.7	-0.8	2.2	127.9	0.0	0.0	Vert	PK	0.0	47.9	74.0	-26.1	EUT Horz, High Ch 1Mbps
12208.980	48.3	-0.8	1.3	149.0	0.0	0.0	Vert	PK	0.0	47.5	74.0	-26.5	EUT Horz, Mid Ch 1Mbps
12011.350	46.6	-1.9	1.4	336.9	0.0	0.0	Vert	PK	0.0	44.7	74.0	-29.3	EUT Horz, Low Ch 1Mbps

CONCLUSION

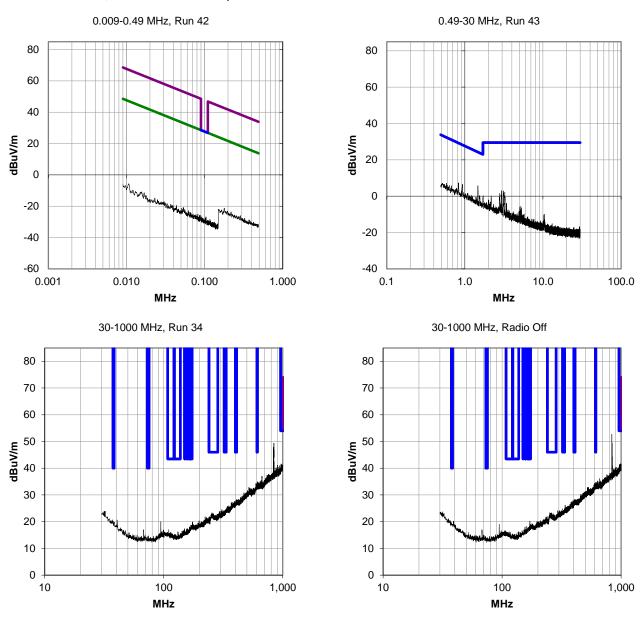
Pass

Tested By



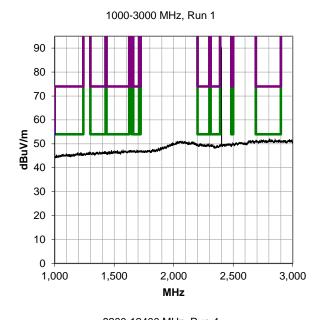
PRESCAN DATA

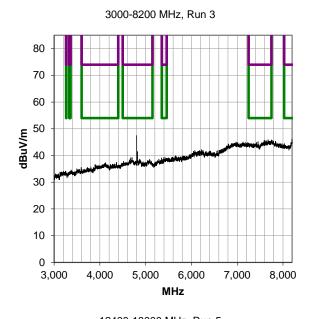
Radiated spurious emissions from the EUT are initially reviewed with Pre-scans (Preview scans). Pre-scans are performed, with the EUT transmitting on the lowest applicable data rate, for both vertical and horizontal polarizations. The Pre-scan plots below are shown with a peak detector and RBW for the following frequency ranges: 9 kHz RBW (< 30 MHz); 120 kHz RBW (30 - 1000 MHz); 1 MHz RBW (> 1 GHz). In the case where unintentional emissions are observed, an ambient or idle pre-scan with the radio off, will be shown for comparison.

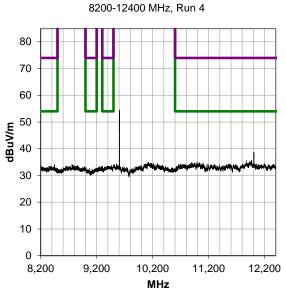


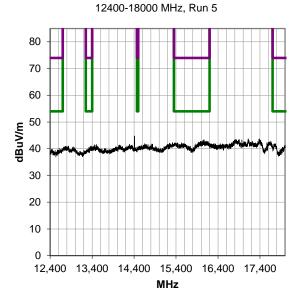
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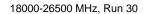


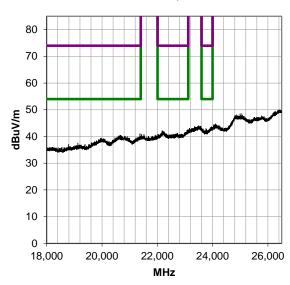




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End of Test Report

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